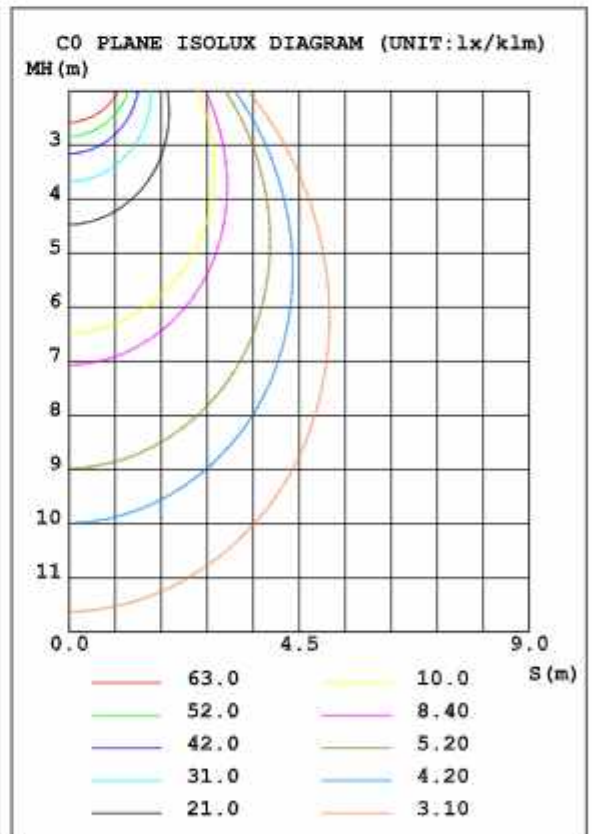
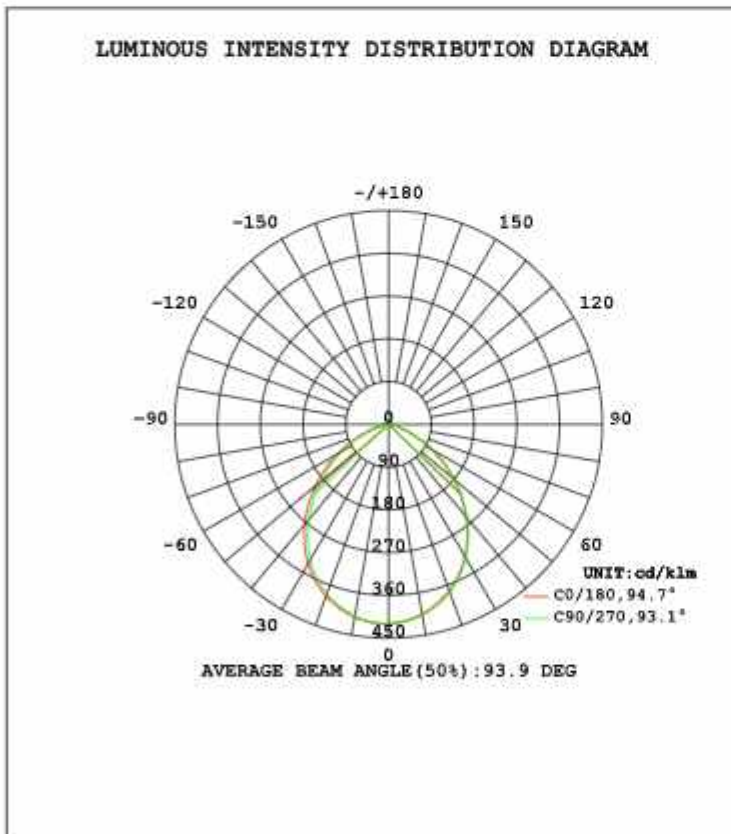


## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	419.6	S/MH (C0/180)	1.15
NOMINAL POWER (W)	12	LOR (%)	93.7	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	936.77	$\eta$ UP, DN (C0-180)	1.3, 44.4
NOMINAL FLUX (lm)	1464.37	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 47.1
LAMPS INSIDE	1	$\eta$ up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	91.6	CIBSE SHR MAX	1.30



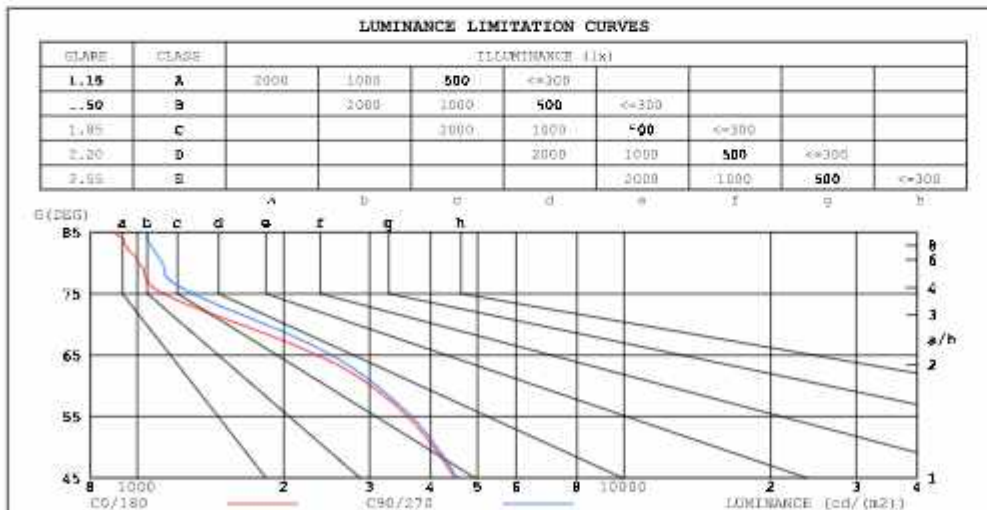
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	405.6	407.8	412.2	409.8				0- 10	39.53	39.53	4.22, 3.95
20	372.7	375.9	385.0	379.2				10- 20	111.5	151.1	16.1, 15.1
30	321.3	324.7	339.2	329.4				20- 30	163.7	314.7	33.6, 31.5
40	253.8	256.5	275.1	262.2				30- 40	185.3	500.0	53.4, 50
50	178.5	181.0	200.6	186.4				40- 50	173.1	673.1	71.9, 67.3
60	103.1	106.1	123.2	111.9				50- 60	132.7	805.8	86, 80.6
70	38.04	42.81	53.43	46.25				60- 70	75.62	881.5	94.1, 88.1
80	11.90	13.35	14.00	12.41				70- 80	26.91	908.4	97, 90.8
90	3.749	3.708	1.706	1.388				80- 90	7.268	915.7	97.7, 91.6
100	3.731	3.705	1.701	1.691				90-100	2.868	918.5	98.1, 91.9
110	3.756	3.739	2.097	2.110				100-110	2.976	921.5	98.4, 92.1
120	3.876	3.845	2.547	2.570				110-120	3.038	924.5	98.7, 92.5
130	4.038	3.999	3.009	3.020				120-130	3.013	927.5	99, 92.8
140	4.254	4.209	3.463	3.478				130-140	2.847	930.4	99.3, 93
150	4.509	4.468	3.922	3.945				140-150	2.525	932.9	99.6, 93.3
160	4.794	4.778	4.382	4.411				150-160	2.032	935.0	99.8, 93.5
170	5.010	5.037	4.812	4.830				160-170	1.346	936.3	99.9, 93.6
180	5.081	5.103	5.083	5.101				170-180	0.4774	936.8	100, 93.7
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm			



LUMINANCE cd / (m2)		
G (DEG)	C0/180	C90/270
85	891	1054
80	1004	1125
75	1130	1300
70	1629	1833
65	2331	2500
60	3021	3106
55	3589	3668
50	4067	4123
45	4486	4537

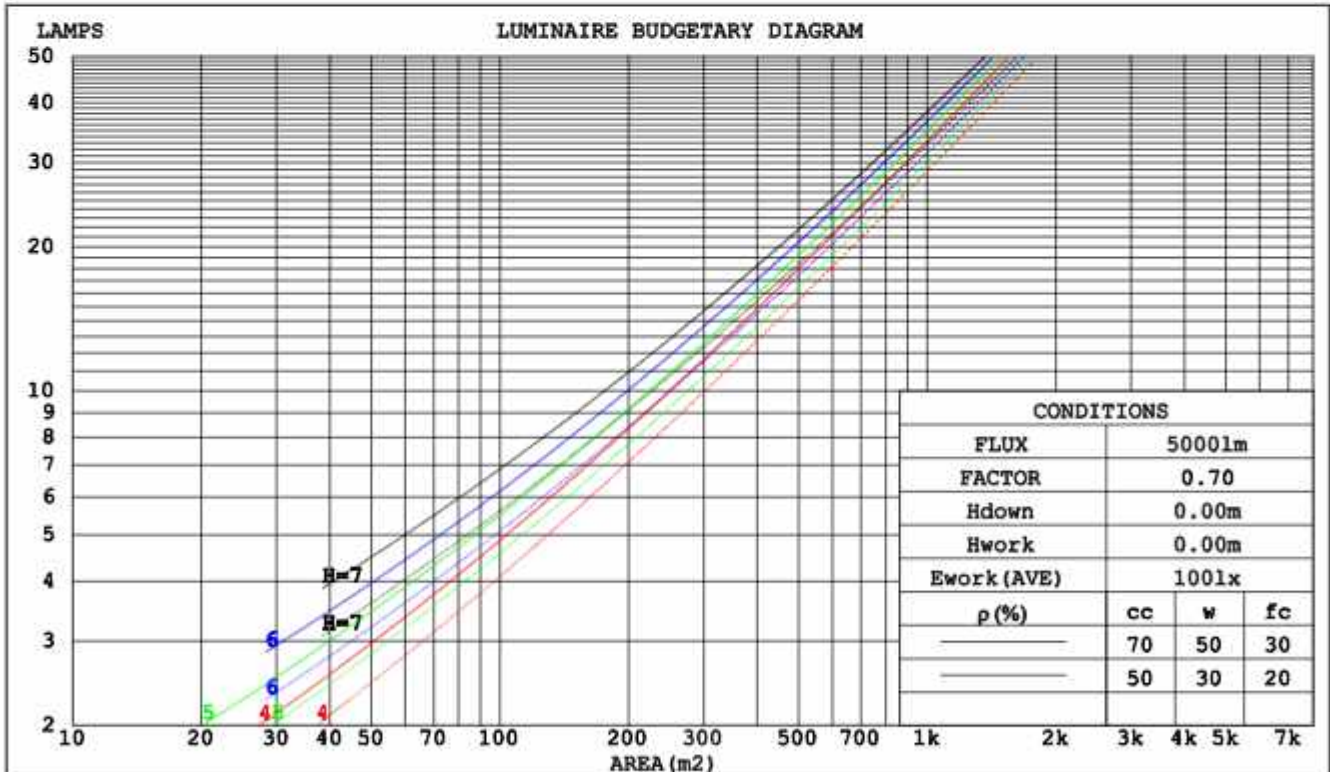
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	.98	.98	.98	.94	.94	.94	.92
1.0	.99	.96	.93	.97	.94	.91	.93	.90	.88	.89	.87	.85	.85	.83	.82	.80
2.0	.88	.82	.78	.86	.81	.77	.83	.78	.75	.79	.76	.73	.76	.73	.71	.69
3.0	.78	.72	.66	.77	.71	.65	.74	.68	.64	.71	.66	.63	.68	.65	.61	.59
4.0	.70	.63	.57	.69	.62	.57	.66	.60	.56	.64	.59	.55	.62	.57	.54	.52
5.0	.63	.56	.50	.62	.55	.50	.60	.54	.49	.58	.52	.48	.56	.51	.47	.46
6.0	.57	.50	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.51	.46	.42	.40
7.0	.52	.45	.39	.51	.44	.39	.50	.43	.39	.48	.43	.38	.47	.42	.38	.36
8.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.43	.38	.34	.32
9.0	.44	.37	.32	.44	.37	.32	.42	.36	.32	.41	.35	.31	.40	.35	.31	.29
10.0	.41	.34	.29	.40	.34	.29	.39	.33	.29	.38	.33	.29	.37	.32	.28	.27



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.246	.140	.044	.239	.136	.043	.225	.129	.041	.213	.123	.039	.202	.117	.038	
2.0	.237	.130	.040	.231	.127	.039	.219	.122	.038	.208	.117	.037	.198	.112	.035	
3.0	.224	.119	.036	.218	.117	.035	.208	.113	.034	.198	.109	.033	.189	.105	.032	
4.0	.210	.109	.032	.205	.107	.032	.196	.104	.031	.187	.100	.030	.179	.097	.030	
5.0	.196	.100	.029	.192	.099	.029	.184	.096	.028	.176	.093	.028	.169	.090	.027	
6.0	.184	.092	.026	.180	.091	.026	.173	.089	.026	.166	.086	.025	.160	.084	.025	
7.0	.173	.085	.024	.169	.084	.024	.163	.082	.024	.156	.080	.023	.151	.078	.023	
8.0	.163	.079	.022	.159	.078	.022	.153	.077	.022	.148	.075	.022	.143	.073	.021	
9.0	.153	.074	.021	.150	.073	.021	.145	.072	.020	.140	.070	.020	.135	.069	.020	
10.0	.145	.069	.019	.142	.069	.019	.137	.067	.019	.133	.066	.019	.128	.065	.019	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.182	.163	.146	.156	.140	.125	.107	.096	.087	.061	.056	.050	.020	.018	.016	
2.0	.173	.140	.113	.148	.121	.097	.101	.083	.068	.059	.049	.040	.019	.016	.013	
3.0	.165	.123	.090	.141	.106	.078	.097	.074	.055	.056	.043	.032	.018	.014	.011	
4.0	.158	.111	.075	.135	.096	.065	.093	.067	.046	.054	.039	.027	.017	.013	.009	
5.0	.151	.101	.064	.130	.087	.055	.089	.061	.039	.052	.036	.023	.017	.012	.008	
6.0	.144	.093	.056	.124	.080	.048	.086	.056	.034	.050	.033	.020	.016	.011	.007	
7.0	.138	.086	.050	.119	.075	.043	.082	.052	.031	.048	.031	.018	.015	.010	.006	
8.0	.133	.081	.045	.114	.070	.039	.079	.049	.028	.046	.029	.017	.015	.010	.005	
9.0	.127	.076	.041	.110	.066	.036	.076	.046	.026	.044	.027	.015	.014	.009	.005	
10.0	.123	.072	.039	.106	.063	.034	.073	.044	.024	.043	.026	.014	.014	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.3	16.7	15.6	16.9	17.1	15.4	16.7	15.7	17.0	17.2
	3H	15.8	17.0	16.1	17.3	17.6	16.0	17.2	16.3	17.5	17.7
	4H	15.9	17.0	16.2	17.3	17.6	16.1	17.2	16.4	17.5	17.8
	6H	15.9	17.0	16.2	17.3	17.6	16.1	17.2	16.5	17.5	17.8
	8H	15.9	16.9	16.2	17.3	17.6	16.1	17.2	16.5	17.5	17.8
	12H	15.9	16.9	16.2	17.2	17.6	16.1	17.1	16.5	17.4	17.8
4H	2H	15.6	16.8	15.9	17.0	17.3	15.7	16.8	16.0	17.1	17.4
	3H	16.2	17.2	16.6	17.5	17.9	16.3	17.4	16.7	17.7	18.0
	4H	16.3	17.2	16.7	17.6	18.0	16.5	17.4	16.9	17.8	18.1
	6H	16.4	17.2	16.8	17.6	18.0	16.6	17.4	17.0	17.8	18.2
	8H	16.4	17.2	16.9	17.6	18.0	16.6	17.4	17.1	17.8	18.2
	12H	16.4	17.1	16.9	17.5	18.0	16.7	17.3	17.1	17.8	18.2
8H	4H	16.3	17.1	16.7	17.5	17.9	16.5	17.2	16.9	17.6	18.1
	6H	16.5	17.1	16.9	17.5	18.0	16.7	17.3	17.1	17.7	18.2
	8H	16.5	17.1	17.0	17.5	18.0	16.7	17.3	17.2	17.7	18.2
	12H	16.6	17.0	17.1	17.5	18.0	16.8	17.3	17.3	17.8	18.3
12H	4H	16.3	17.0	16.7	17.4	17.8	16.5	17.1	16.9	17.6	18.0
	6H	16.4	17.0	16.9	17.5	18.0	16.6	17.2	17.1	17.7	18.1
	8H	16.5	17.0	17.0	17.5	18.0	16.7	17.2	17.3	17.7	18.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.6				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

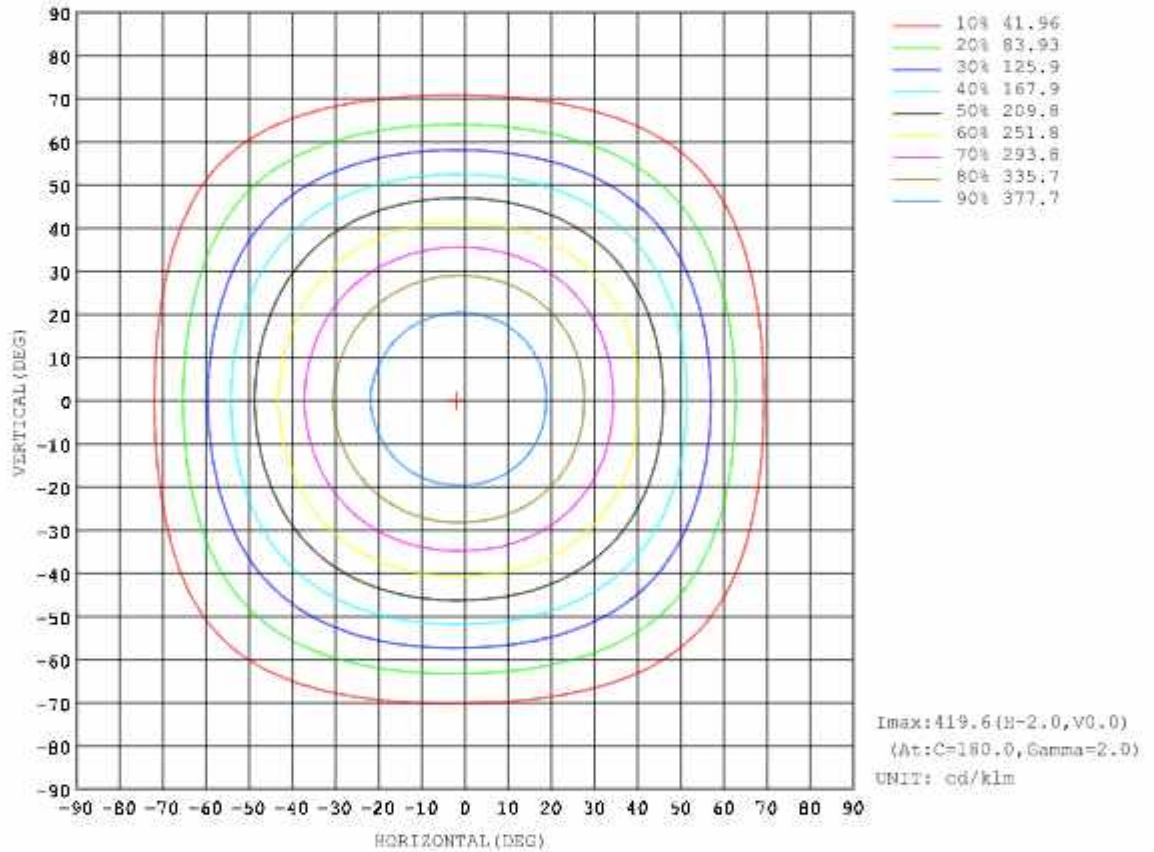
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	58	48	42	58	48	42	56	48	42	36
0.80	68	58	52	67	58	52	65	57	51	45
1.00	76	66	60	74	66	60	72	67	59	53
1.25	82	73	68	81	73	67	78	71	66	60
1.50	86	78	73	85	77	72	82	76	71	64
2.00	92	85	80	90	84	79	87	82	78	71
2.50	95	89	84	93	87	83	89	85	81	73
3.00	98	92	88	96	91	87	92	88	84	77
4.00	101	96	93	99	95	91	95	91	88	80
5.00	103	99	96	101	97	94	96	93	91	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

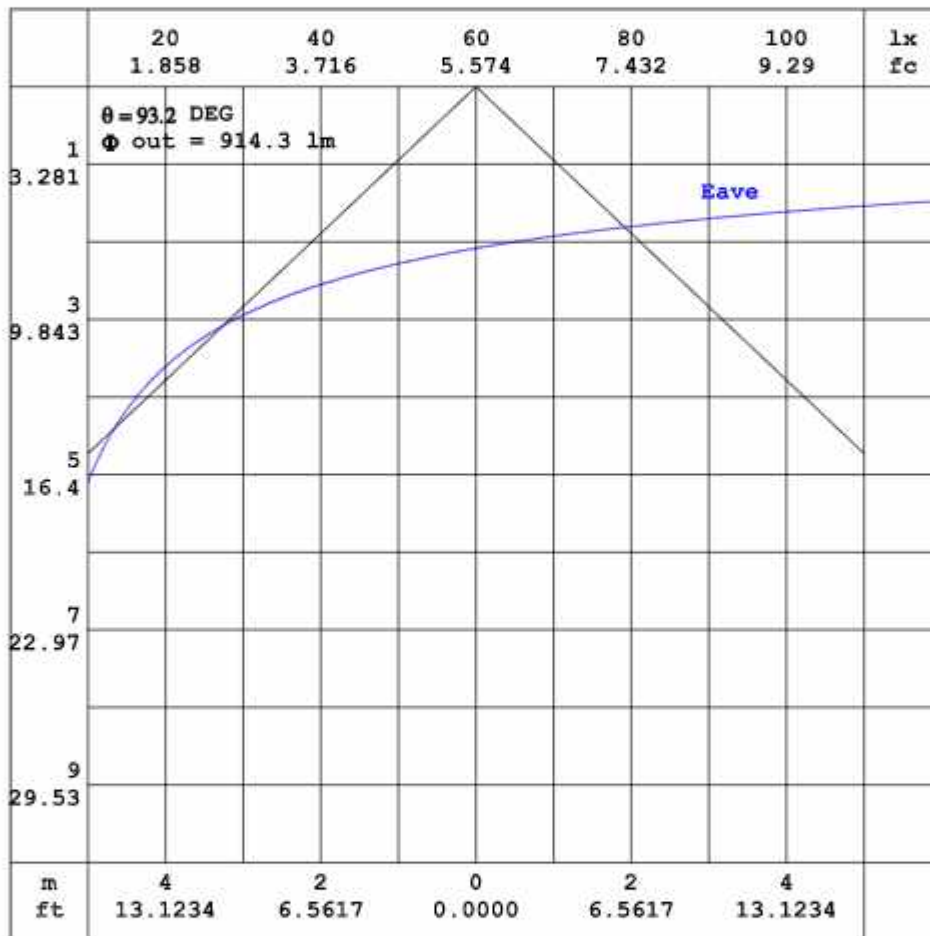


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:6.500m [K=1.0000]  
Remarks:

AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

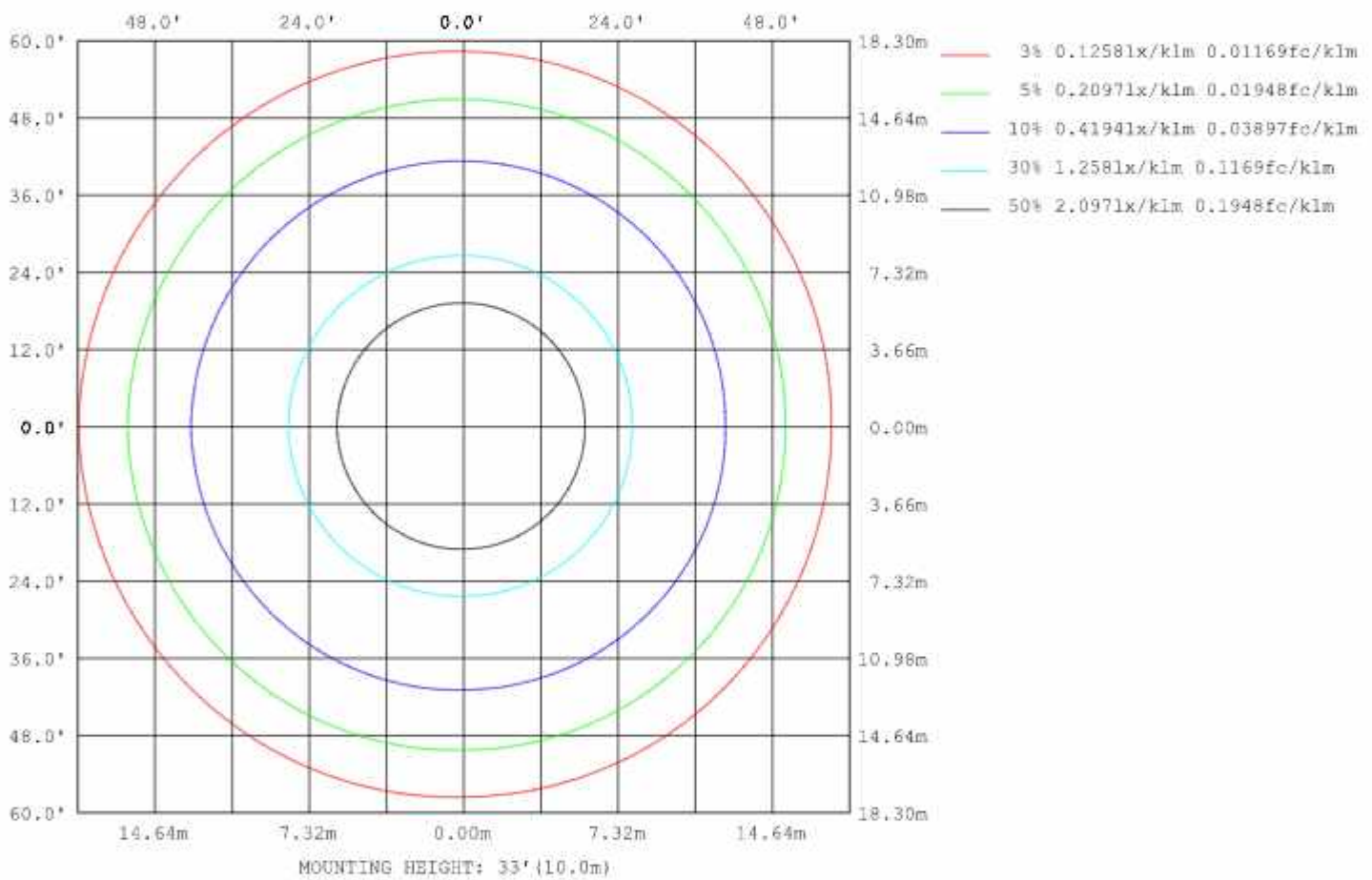
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## ISOLUX DIAGRAM

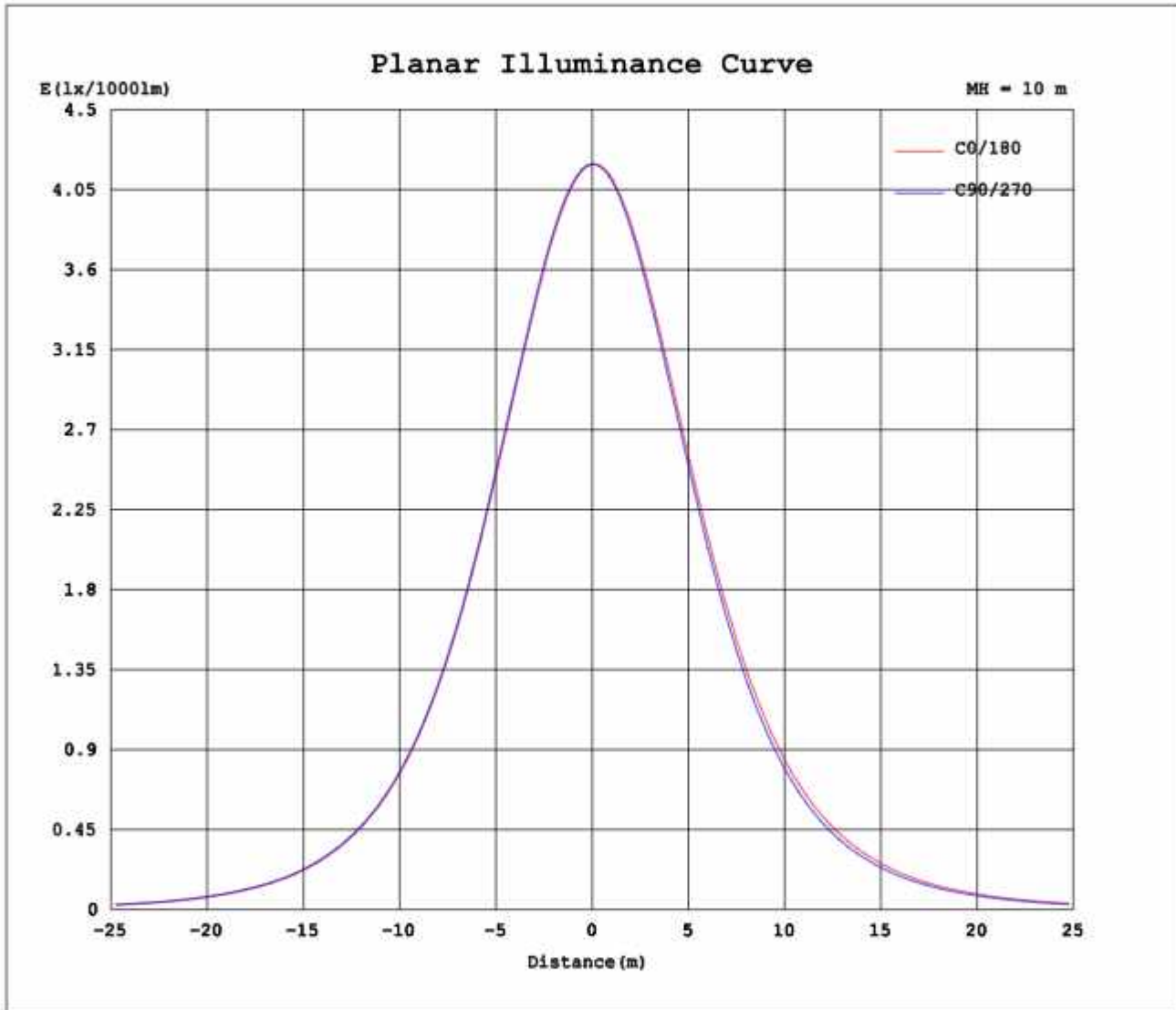
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270															
0	419	420	419	420															
5	415	416	418	417															
10	406	408	412	410															
15	391	394	401	397															
20	373	376	385	379															
25	350	353	365	357															
30	321	325	339	329															
35	289	292	309	297															
40	254	257	275	262															
45	217	219	239	225															
50	179	181	201	186															
55	141	144	162	149															
60	103	106	123	112															
65	67.3	72.1	86.8	77.3															
70	38.0	42.8	53.4	46.3															
75	20.0	23.0	27.8	24.0															
80	11.9	13.3	14.0	12.4															
85	5.31	6.27	7.22	5.59															
90	3.75	3.71	1.71	1.39															
95	3.74	3.71	1.53	1.52															
100	3.73	3.71	1.70	1.69															
105	3.74	3.71	1.90	1.90															
110	3.76	3.74	2.10	2.11															
115	3.81	3.78	2.32	2.33															
120	3.88	3.84	2.55	2.57															
125	3.95	3.92	2.78	2.79															
130	4.04	4.00	3.01	3.02															
135	4.14	4.10	3.24	3.25															
140	4.25	4.21	3.46	3.48															
145	4.38	4.33	3.69	3.70															
150	4.51	4.47	3.92	3.94															
155	4.65	4.62	4.16	4.18															
160	4.79	4.78	4.38	4.41															
165	4.91	4.92	4.61	4.63															
170	5.01	5.04	4.81	4.83															
175	5.09	5.12	4.98	4.99															
180	5.08	5.10	5.08	5.10															

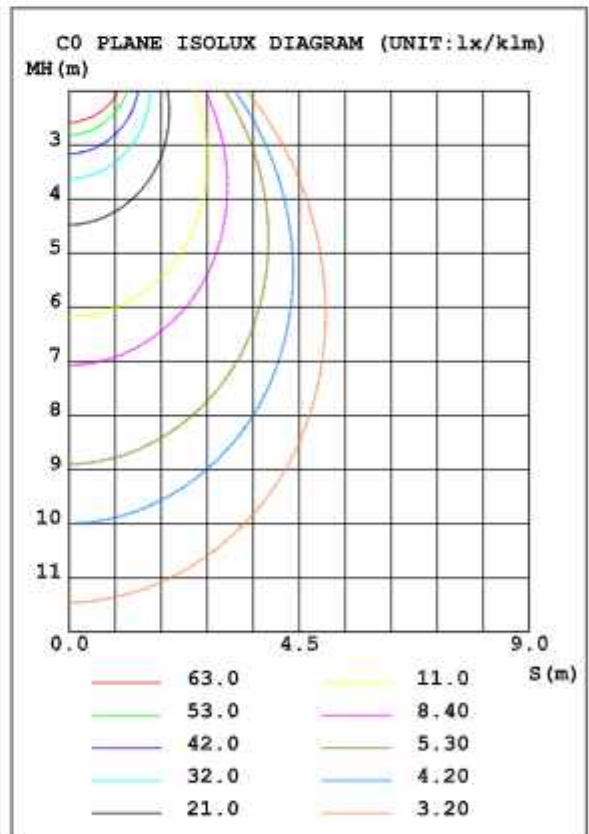
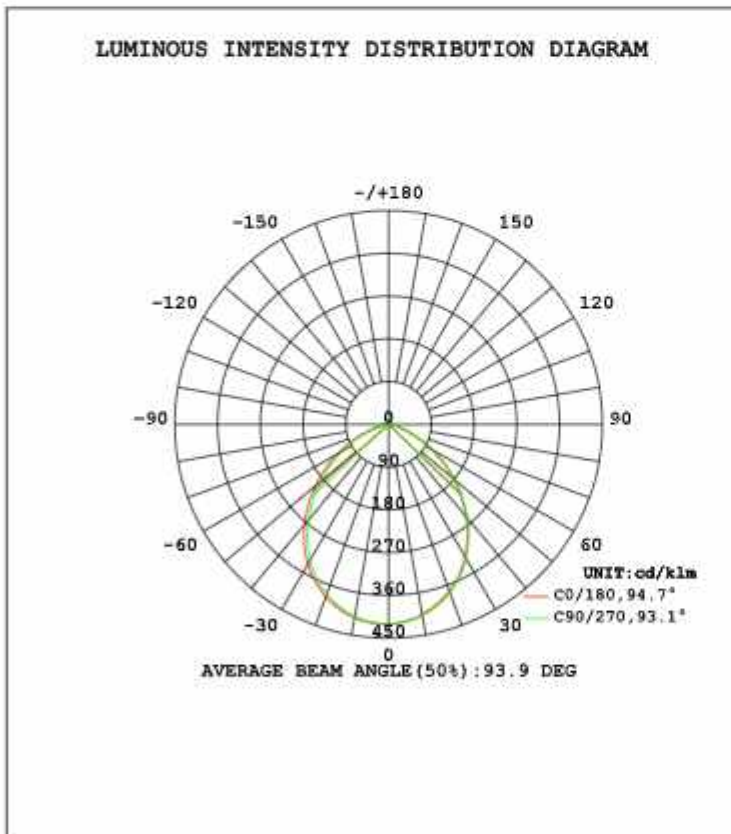
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	420.7	S/MH (C0/180)	1.15
NOMINAL POWER (W)	12	LOR (%)	93.9	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	939.06	$\eta$ UP, DN (C0-180)	1.3, 44.6
NOMINAL FLUX (lm)	1559.4	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.8, 47.2
LAMPS INSIDE	1	$\eta$ up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	91.8	CIBSE SHR MAX	1.30



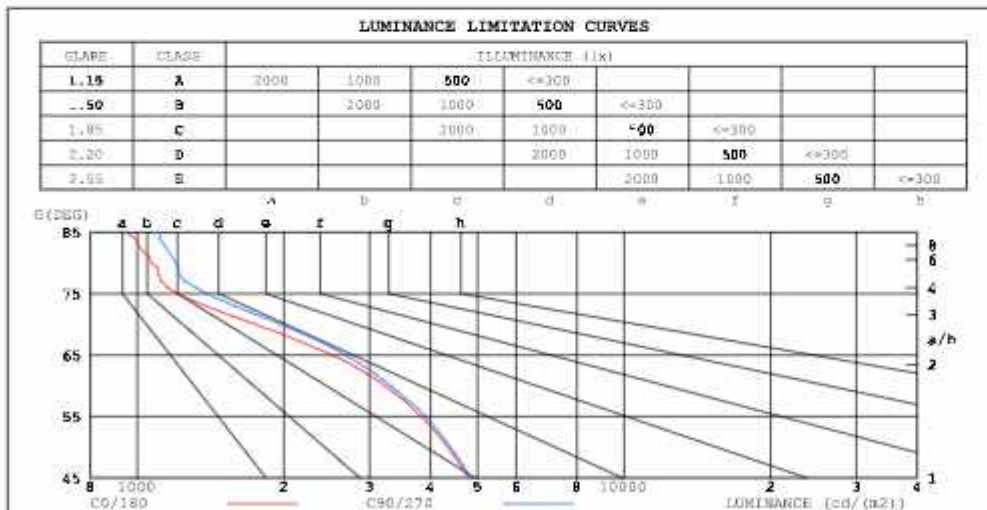
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	406.6	408.9	413.3	410.7				0- 10	39.63	39.63	4.22, 3.96
20	373.7	377.1	386.2	380.4				10- 20	111.8	151.4	16.1, 15.1
30	322.1	325.7	340.3	330.6				20- 30	164.2	315.6	33.6, 31.6
40	254.7	257.2	275.8	262.8				30- 40	185.8	501.4	53.4, 50.1
50	178.9	181.2	200.9	186.6				40- 50	173.4	674.9	71.9, 67.5
60	103.5	106.4	123.3	112.0				50- 60	133.0	807.8	86, 80.8
70	38.35	43.15	53.60	46.58				60- 70	75.92	883.7	94.1, 88.4
80	11.92	13.37	14.01	12.45				70- 80	27.06	910.8	97, 91.1
90	3.725	3.698	1.675	1.372				80- 90	7.261	918.1	97.8, 91.8
100	3.711	3.689	1.665	1.684				90-100	2.846	920.9	98.1, 92.1
110	3.732	3.719	2.071	2.090				100-110	2.951	923.9	98.4, 92.4
120	3.852	3.826	2.523	2.548				110-120	3.018	926.9	98.7, 92.7
130	4.025	3.991	2.980	3.009				120-130	2.996	929.9	99, 93
140	4.237	4.192	3.433	3.456				130-140	2.833	932.7	99.3, 93.3
150	4.484	4.448	3.891	3.924				140-150	2.513	935.2	99.6, 93.5
160	4.773	4.763	4.357	4.403				150-160	2.022	937.2	99.8, 93.7
170	4.998	5.019	4.803	4.835				160-170	1.342	938.6	99.9, 93.9
180	5.075	5.094	5.083	5.090				170-180	0.4765	939.1	100, 93.9
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm			



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	945	1118
80	1070	1200
75	1210	1392
70	1749	1967
65	2515	2675
60	3227	3318
55	3829	3907
50	4338	4396
45	4786	4840

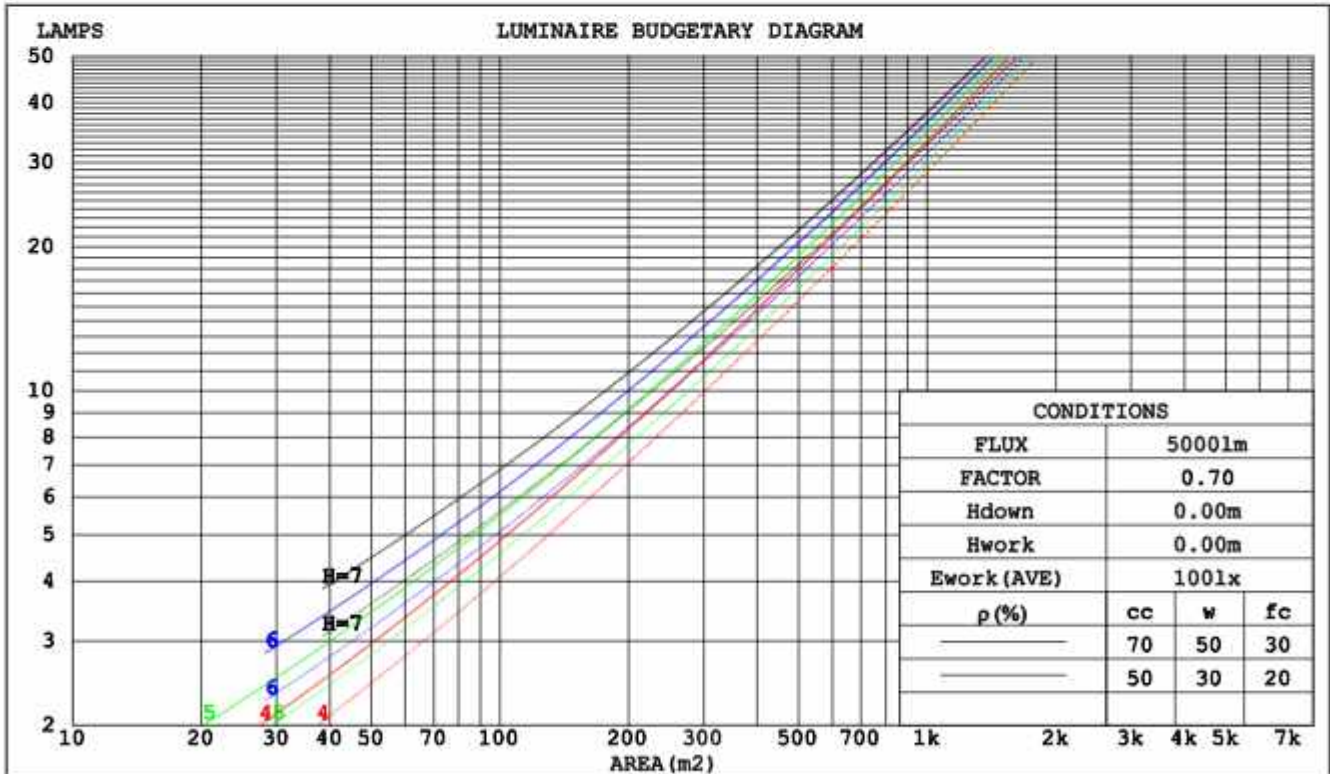
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	.98	.98	.98	.94	.94	.94	.92
1.0	.99	.96	.93	.97	.94	.91	.93	.90	.88	.89	.87	.85	.85	.84	.82	.80
2.0	.88	.83	.78	.86	.81	.77	.83	.78	.75	.79	.76	.73	.76	.73	.71	.69
3.0	.79	.72	.66	.77	.71	.66	.74	.69	.64	.71	.67	.63	.69	.65	.62	.60
4.0	.70	.63	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.62	.58	.54	.52
5.0	.63	.56	.50	.62	.55	.50	.60	.54	.49	.58	.53	.48	.56	.51	.48	.46
6.0	.58	.50	.44	.57	.49	.44	.55	.48	.43	.53	.47	.43	.51	.46	.42	.40
7.0	.52	.45	.39	.52	.44	.39	.50	.43	.39	.49	.43	.38	.47	.42	.38	.36
8.0	.48	.41	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.43	.38	.34	.33
9.0	.44	.37	.32	.44	.37	.32	.42	.36	.32	.41	.36	.31	.40	.35	.31	.29
10.0	.41	.34	.29	.40	.34	.29	.39	.33	.29	.38	.33	.29	.37	.32	.28	.27



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.247	.140	.044	.239	.137	.043	.226	.130	.041	.214	.123	.040	.202	.117	.038	
2.0	.238	.130	.040	.231	.127	.039	.220	.122	.038	.209	.117	.037	.199	.112	.035	
3.0	.224	.119	.036	.219	.117	.035	.208	.113	.034	.199	.109	.033	.190	.105	.033	
4.0	.210	.109	.032	.205	.107	.032	.196	.104	.031	.188	.101	.030	.180	.098	.030	
5.0	.197	.100	.029	.193	.099	.029	.184	.096	.028	.177	.093	.028	.169	.091	.027	
6.0	.185	.093	.026	.181	.091	.026	.173	.089	.026	.166	.086	.025	.160	.084	.025	
7.0	.173	.086	.024	.170	.085	.024	.163	.082	.024	.157	.080	.023	.151	.078	.023	
8.0	.163	.080	.022	.160	.079	.022	.154	.077	.022	.148	.075	.022	.143	.073	.021	
9.0	.154	.074	.021	.151	.073	.021	.145	.072	.020	.140	.070	.020	.135	.069	.020	
10.0	.145	.070	.019	.143	.069	.019	.138	.067	.019	.133	.066	.019	.129	.065	.019	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.182	.163	.146	.156	.140	.125	.107	.096	.087	.061	.056	.050	.020	.018	.016	
2.0	.173	.140	.113	.148	.121	.097	.102	.084	.068	.059	.049	.040	.019	.016	.013	
3.0	.165	.123	.090	.142	.107	.078	.097	.074	.055	.056	.043	.032	.018	.014	.011	
4.0	.158	.111	.075	.135	.096	.065	.093	.067	.046	.054	.039	.027	.017	.013	.009	
5.0	.151	.101	.064	.130	.087	.055	.089	.061	.039	.052	.036	.023	.017	.012	.008	
6.0	.145	.093	.056	.124	.080	.048	.086	.056	.034	.050	.033	.020	.016	.011	.007	
7.0	.139	.086	.050	.119	.075	.043	.082	.052	.031	.048	.031	.018	.015	.010	.006	
8.0	.133	.081	.045	.114	.070	.039	.079	.049	.028	.046	.029	.017	.015	.010	.005	
9.0	.128	.076	.041	.110	.066	.036	.076	.046	.026	.044	.027	.015	.014	.009	.005	
10.0	.123	.072	.039	.106	.063	.034	.073	.044	.024	.043	.026	.014	.014	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.3	16.7	15.6	16.9	17.1	15.4	16.8	15.7	17.0	17.2
	3H	15.8	17.1	16.1	17.3	17.6	16.0	17.2	16.3	17.5	17.8
	4H	15.9	17.1	16.2	17.3	17.6	16.1	17.3	16.4	17.5	17.8
	6H	15.9	17.0	16.3	17.3	17.6	16.1	17.2	16.5	17.5	17.8
	8H	15.9	17.0	16.3	17.3	17.6	16.1	17.2	16.5	17.5	17.8
	12H	15.9	16.9	16.3	17.2	17.6	16.1	17.1	16.5	17.5	17.8
4H	2H	15.6	16.8	15.9	17.1	17.4	15.7	16.8	16.0	17.1	17.4
	3H	16.2	17.2	16.6	17.5	17.9	16.4	17.4	16.7	17.7	18.0
	4H	16.3	17.2	16.7	17.6	18.0	16.5	17.4	16.9	17.8	18.2
	6H	16.4	17.2	16.8	17.6	18.0	16.6	17.4	17.0	17.8	18.2
	8H	16.4	17.2	16.9	17.6	18.0	16.7	17.4	17.1	17.8	18.2
	12H	16.4	17.1	16.9	17.6	18.0	16.7	17.4	17.1	17.8	18.2
8H	4H	16.3	17.1	16.8	17.5	17.9	16.5	17.3	16.9	17.7	18.1
	6H	16.5	17.1	17.0	17.5	18.0	16.7	17.3	17.1	17.7	18.2
	8H	16.5	17.1	17.0	17.6	18.0	16.8	17.3	17.2	17.8	18.3
	12H	16.6	17.1	17.1	17.5	18.1	16.8	17.3	17.3	17.8	18.3
12H	4H	16.3	17.0	16.8	17.4	17.9	16.5	17.2	16.9	17.6	18.0
	6H	16.5	17.0	17.0	17.5	18.0	16.7	17.2	17.2	17.7	18.2
	8H	16.6	17.0	17.1	17.5	18.0	16.8	17.2	17.3	17.7	18.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

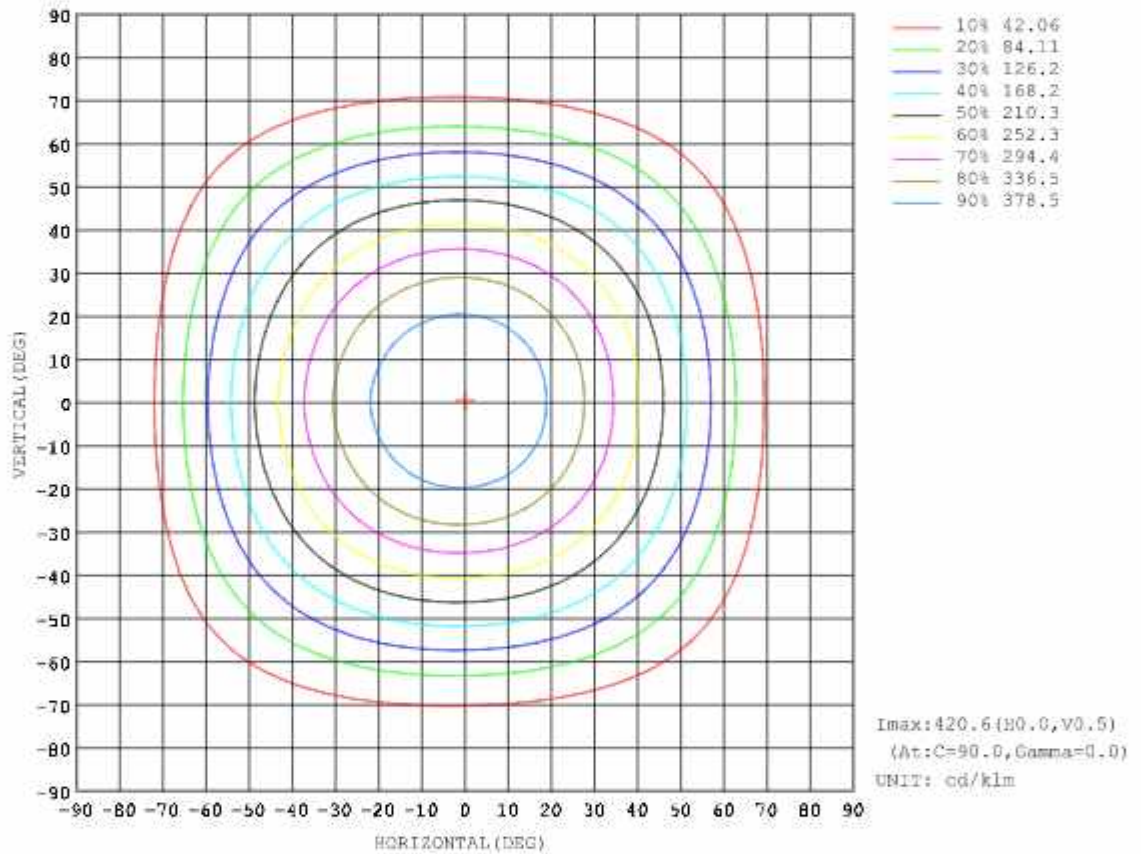
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	48	42	58	48	42	57	48	42	37
0.80	68	58	52	67	58	52	65	57	51	45
1.00	76	67	60	75	66	60	73	67	60	53
1.25	82	74	68	81	73	67	78	71	66	60
1.50	87	78	73	85	78	72	82	76	71	64
2.00	92	85	80	91	84	79	87	82	78	71
2.50	95	89	84	93	88	83	90	85	81	74
3.00	98	93	88	96	91	87	92	88	85	77
4.00	101	97	93	99	95	92	95	92	89	80
5.00	103	99	96	101	97	94	96	94	91	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

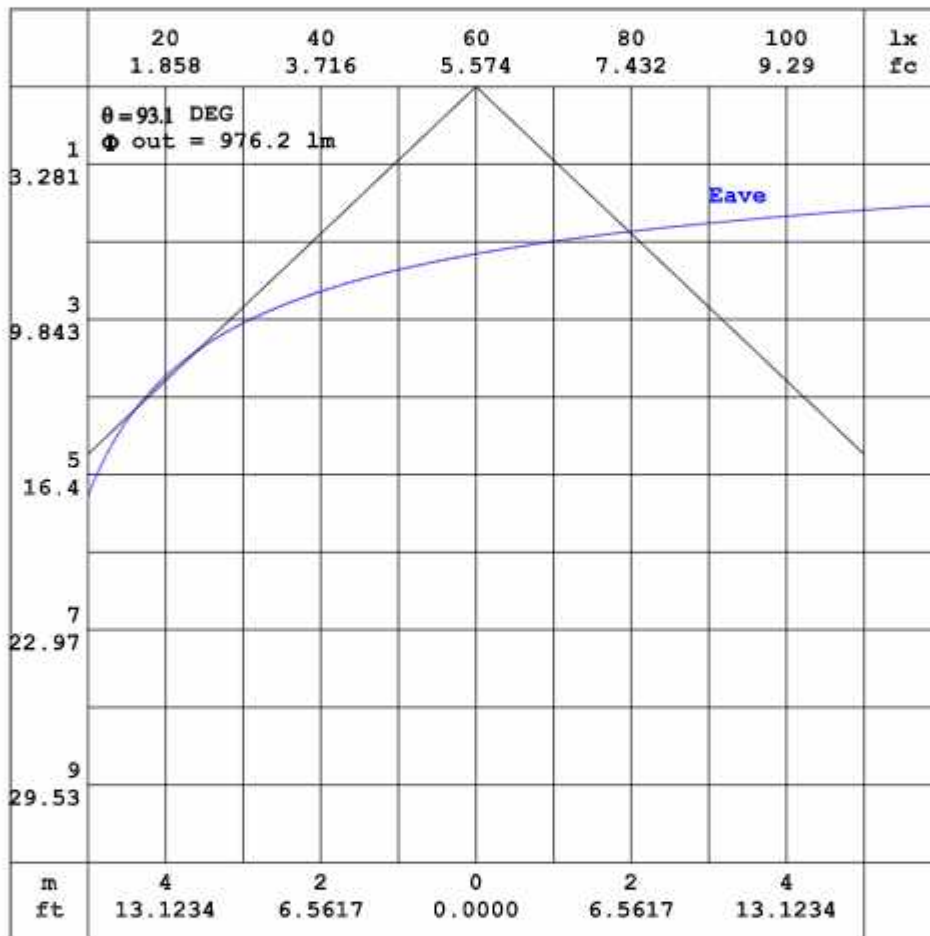


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



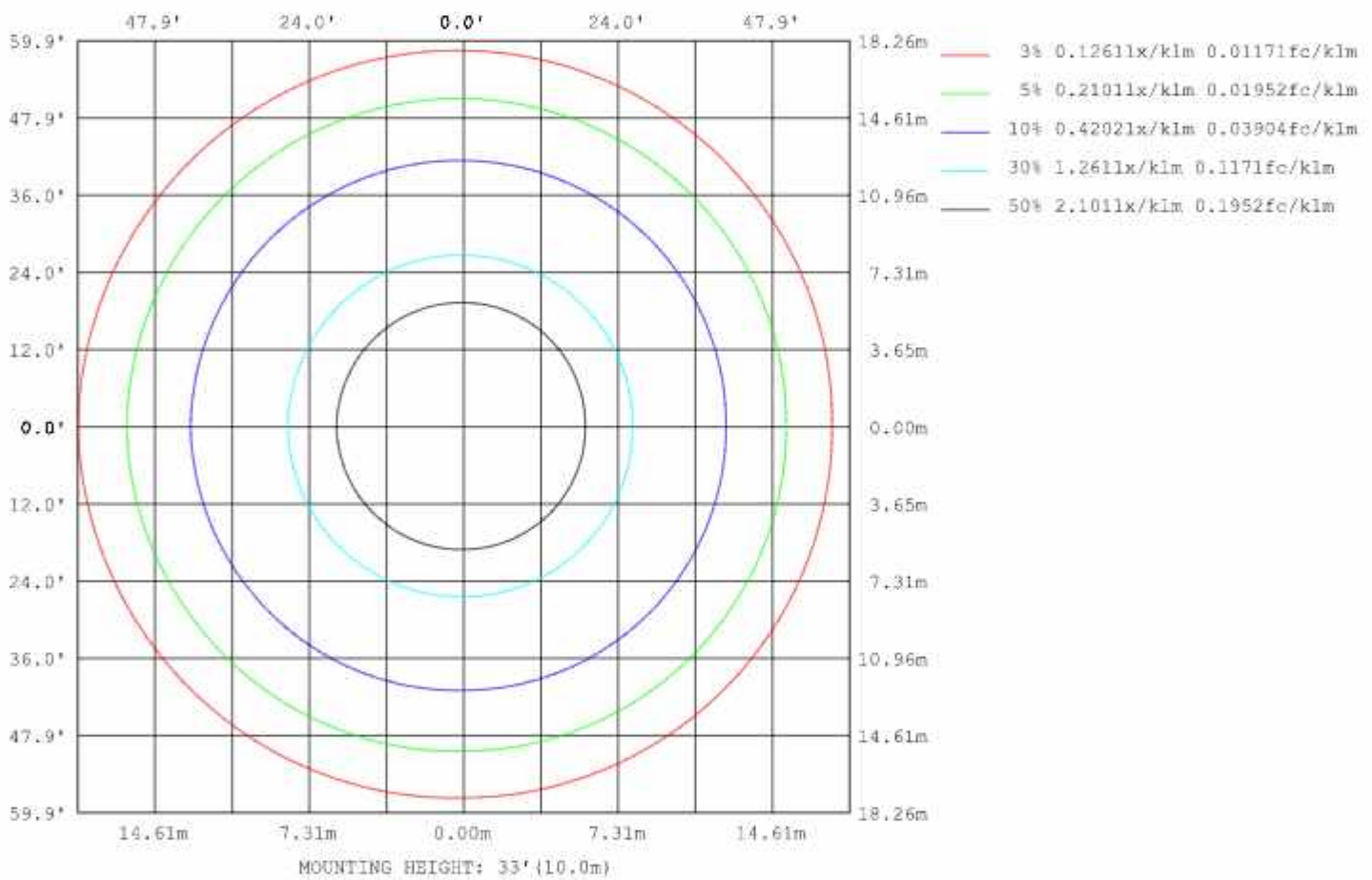
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

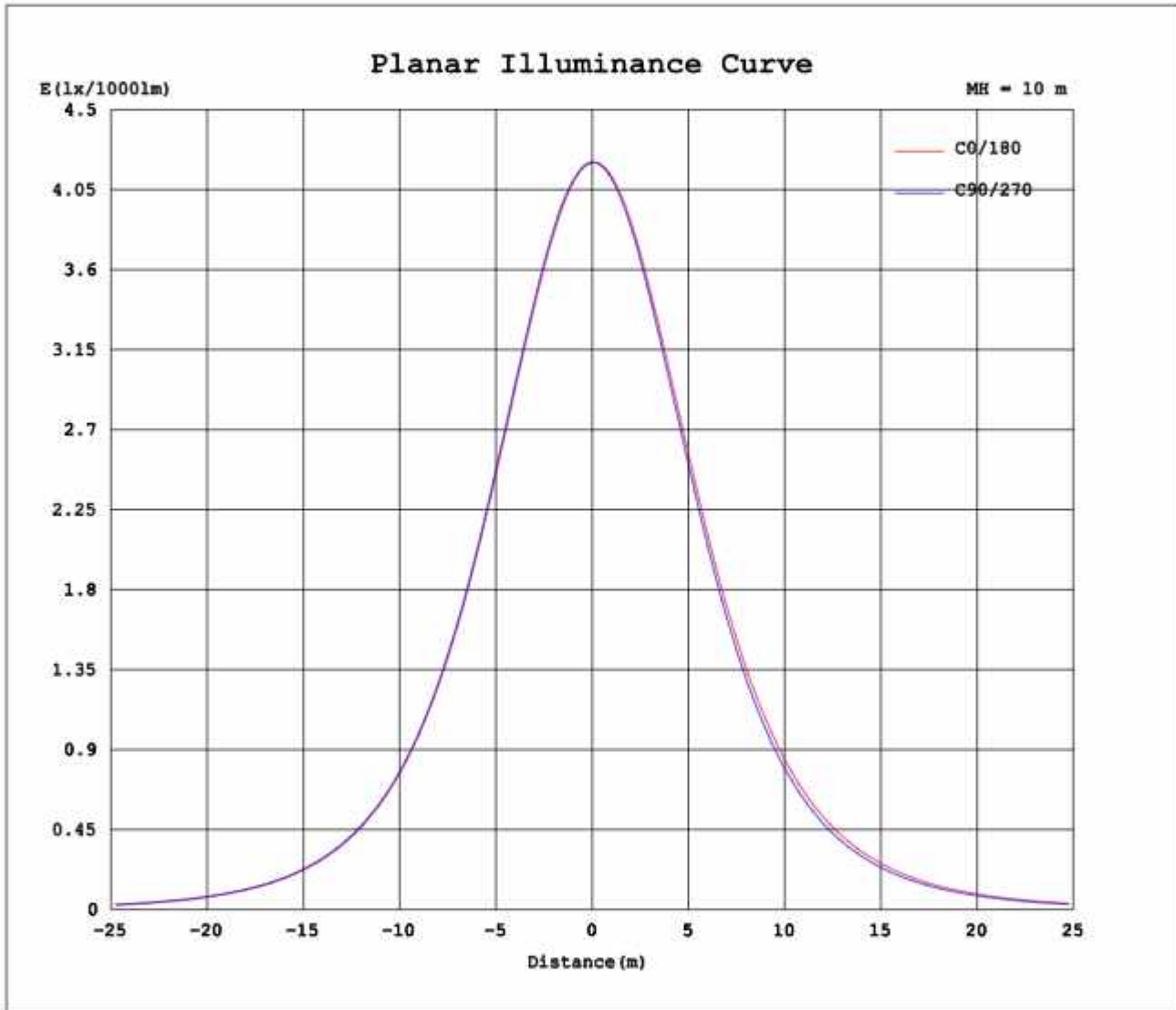
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270															
0	420	421	420	421															
5	416	417	419	418															
10	407	409	413	411															
15	392	395	402	398															
20	374	377	386	380															
25	351	354	366	358															
30	322	326	340	331															
35	290	293	310	298															
40	255	257	276	263															
45	217	219	239	225															
50	179	181	201	187															
55	141	144	162	149															
60	103	106	123	112															
65	68.1	72.5	86.8	77.6															
70	38.4	43.1	53.6	46.6															
75	20.1	23.1	27.9	24.2															
80	11.9	13.4	14.0	12.4															
85	5.28	6.25	7.21	5.59															
90	3.73	3.70	1.67	1.37															
95	3.71	3.69	1.49	1.51															
100	3.71	3.69	1.67	1.68															
105	3.71	3.70	1.86	1.88															
110	3.73	3.72	2.07	2.09															
115	3.78	3.77	2.29	2.32															
120	3.85	3.83	2.52	2.55															
125	3.94	3.91	2.75	2.78															
130	4.02	3.99	2.98	3.01															
135	4.13	4.09	3.20	3.24															
140	4.24	4.19	3.43	3.46															
145	4.36	4.31	3.66	3.69															
150	4.48	4.45	3.89	3.92															
155	4.63	4.60	4.12	4.16															
160	4.77	4.76	4.36	4.40															
165	4.89	4.90	4.58	4.64															
170	5.00	5.02	4.80	4.83															
175	5.07	5.10	4.97	4.99															
180	5.07	5.09	5.08	5.09															

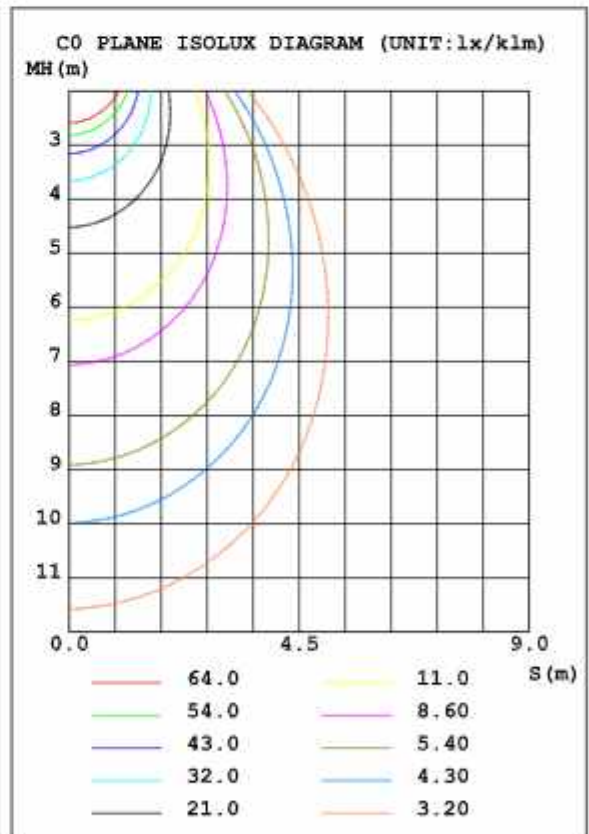
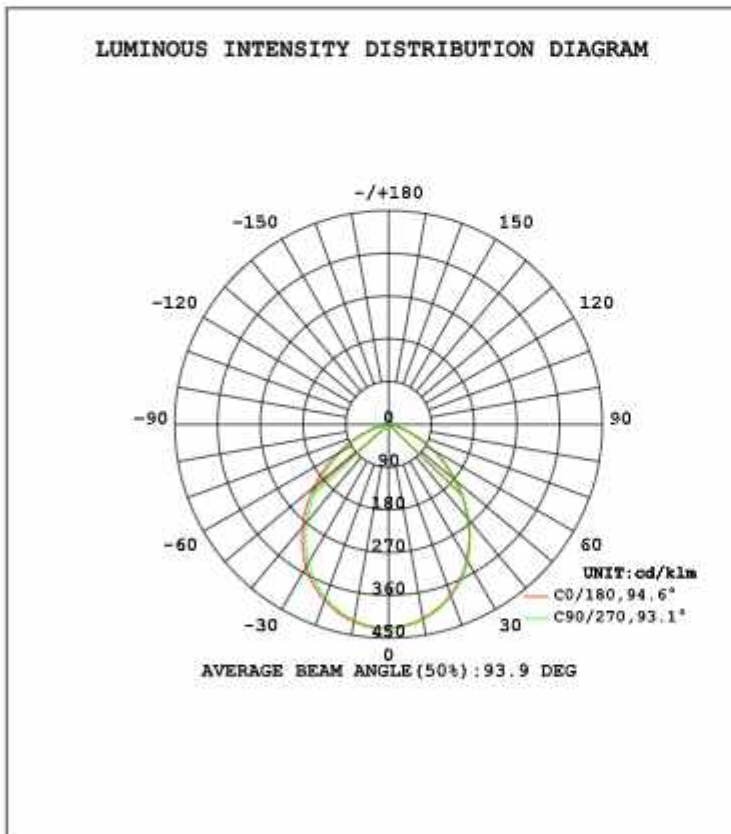
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

y Range: 0 - 180DEG  
 y Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	429.3	S/MH (C0/180)	1.15
NOMINAL POWER (W)	12	LOR (%)	95.9	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	958.54	$\eta$ UP, DN (C0-180)	1.3, 45.5
NOMINAL FLUX (lm)	1626.85	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 48.2
LAMPS INSIDE	1	$\eta$ up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	93.7	CIBSE SHR MAX	1.30



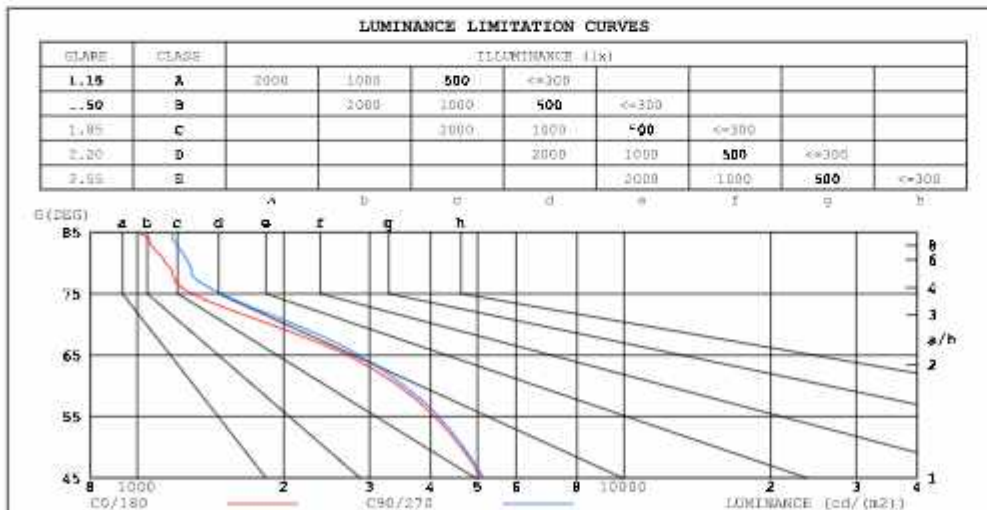
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	Φlum, lamp
10	415.0	417.4	421.8	419.3				0- 10	40.44	40.44	4.22, 4.04
20	381.7	384.9	394.3	388.2				10- 20	114.2	154.6	16.1, 15.5
30	329.0	332.6	347.4	337.8				20- 30	167.6	322.2	33.6, 32.2
40	259.9	262.4	281.6	268.5				30- 40	189.7	512.0	53.4, 51.2
50	182.5	184.7	204.7	190.4				40- 50	176.9	688.9	71.9, 68.9
60	105.8	108.5	126.2	114.3				50- 60	135.6	824.5	86, 82.5
70	39.43	44.21	54.72	47.81				60- 70	77.61	902.1	94.1, 90.2
80	12.17	13.62	14.29	12.72				70- 80	27.72	929.8	97, 93
90	3.786	3.754	1.685	1.381				80- 90	7.394	937.2	97.8, 93.7
100	3.774	3.742	1.687	1.700				90-100	2.882	940.1	98.1, 94
110	3.799	3.776	2.110	2.108				100-110	2.996	943.1	98.4, 94.3
120	3.920	3.887	2.561	2.580				110-120	3.062	946.2	98.7, 94.6
130	4.087	4.049	3.026	3.044				120-130	3.040	949.2	99, 94.9
140	4.303	4.260	3.492	3.510				130-140	2.876	952.1	99.3, 95.2
150	4.561	4.520	3.963	3.987				140-150	2.553	954.6	99.6, 95.5
160	4.854	4.834	4.432	4.469				150-160	2.055	956.7	99.8, 95.7
170	5.071	5.098	4.864	4.891				160-170	1.363	958.1	99.9, 95.8
180	5.145	5.169	5.141	5.172				170-180	0.4832	958.5	100, 95.9
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm			



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

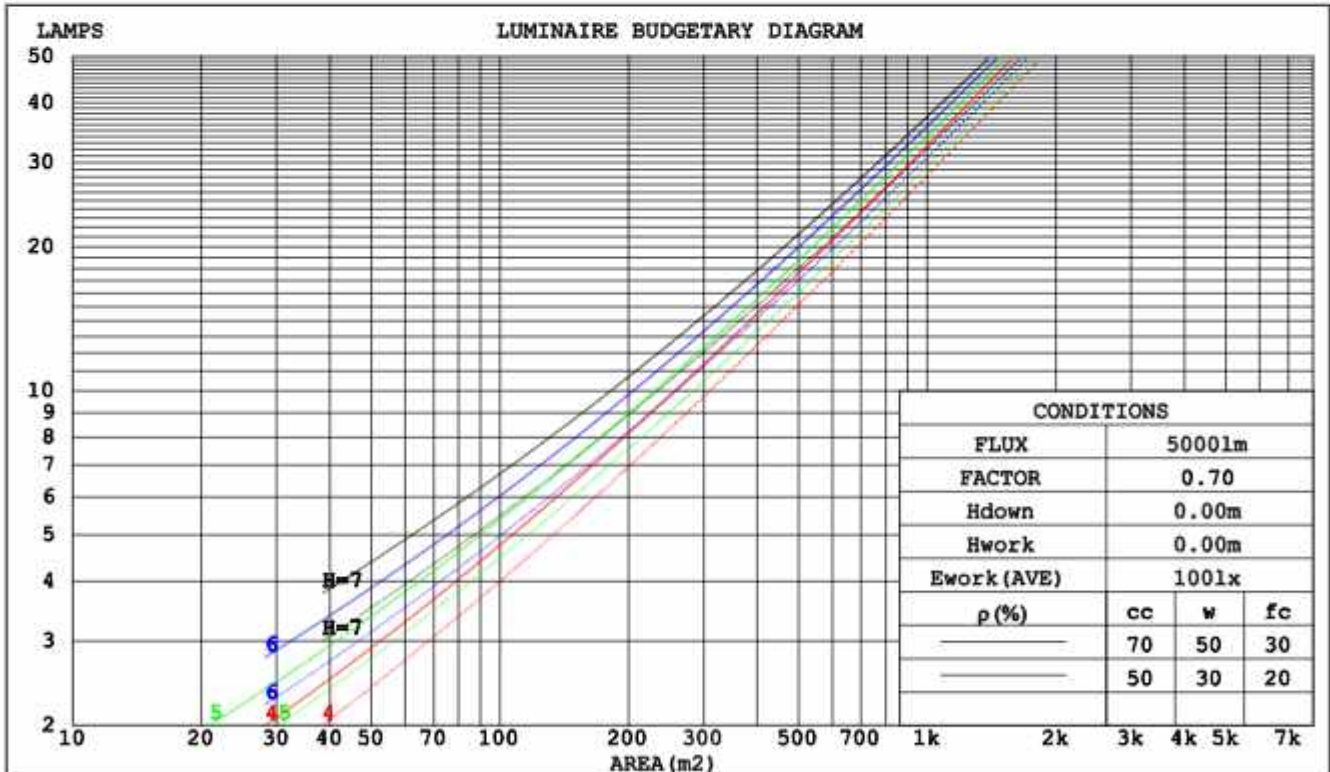
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.11	1.11	1.11	1.05	1.05	1.05	1.00	1.00	1.00	.96	.96	.96	.94
1.0	1.01	.98	.95	.99	.96	.93	.95	.92	.90	.91	.89	.87	.87	.85	.84	.82
2.0	.90	.84	.80	.88	.83	.78	.84	.80	.76	.81	.77	.74	.78	.75	.72	.70
3.0	.80	.73	.68	.79	.72	.67	.76	.70	.66	.73	.68	.64	.70	.66	.63	.61
4.0	.72	.64	.58	.70	.63	.58	.68	.62	.57	.65	.60	.56	.63	.59	.55	.53
5.0	.65	.57	.51	.64	.56	.51	.61	.55	.50	.59	.54	.49	.57	.52	.49	.47
6.0	.59	.51	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.52	.47	.43	.41
7.0	.54	.46	.40	.53	.45	.40	.51	.44	.40	.50	.44	.39	.48	.43	.39	.37
8.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.35	.44	.39	.35	.33
9.0	.45	.38	.33	.45	.37	.33	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30
10.0	.42	.35	.30	.41	.34	.30	.40	.34	.29	.39	.33	.29	.38	.33	.29	.27



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.252	.143	.045	.244	.139	.044	.231	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.243	.133	.041	.236	.130	.040	.224	.125	.039	.213	.120	.037	.203	.115	.036	
3.0	.229	.122	.036	.223	.120	.036	.213	.115	.035	.203	.111	.034	.194	.107	.033	
4.0	.215	.112	.033	.210	.110	.032	.200	.106	.032	.192	.103	.031	.183	.100	.030	
5.0	.201	.102	.030	.197	.101	.029	.188	.098	.029	.180	.095	.028	.173	.092	.028	
6.0	.188	.094	.027	.184	.093	.027	.177	.091	.026	.170	.088	.026	.163	.086	.026	
7.0	.177	.087	.025	.173	.086	.025	.167	.084	.024	.160	.082	.024	.154	.080	.024	
8.0	.166	.081	.023	.163	.080	.023	.157	.078	.022	.151	.077	.022	.146	.075	.022	
9.0	.157	.076	.021	.154	.075	.021	.148	.073	.021	.143	.072	.021	.138	.070	.020	
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.136	.067	.019	.131	.066	.019	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
2.0	.186	.166	.149	.159	.143	.128	.109	.098	.089	.063	.057	.051	.020	.018	.017	
3.0	.177	.143	.115	.151	.123	.099	.104	.085	.069	.060	.050	.041	.019	.016	.013	
4.0	.168	.126	.092	.144	.109	.080	.099	.075	.056	.057	.044	.033	.018	.014	.011	
5.0	.161	.113	.076	.138	.098	.066	.095	.068	.047	.055	.040	.028	.018	.013	.009	
6.0	.154	.103	.065	.132	.089	.056	.091	.062	.040	.053	.036	.024	.017	.012	.008	
7.0	.148	.095	.057	.127	.082	.049	.087	.057	.035	.051	.034	.021	.016	.011	.007	
8.0	.141	.088	.050	.122	.076	.044	.084	.053	.031	.049	.031	.019	.016	.010	.006	
9.0	.136	.082	.046	.117	.071	.040	.081	.050	.028	.047	.030	.017	.015	.010	.006	
10.0	.130	.078	.042	.112	.067	.037	.078	.047	.026	.045	.028	.016	.015	.009	.005	
10.0	.125	.074	.039	.108	.064	.034	.075	.045	.024	.044	.027	.015	.014	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.4	16.7	15.7	17.0	17.2	15.5	16.8	15.8	17.1	17.3
	3H	15.9	17.1	16.2	17.4	17.7	16.0	17.3	16.4	17.6	17.8
	4H	16.0	17.1	16.3	17.4	17.7	16.2	17.3	16.5	17.6	17.9
	6H	16.0	17.1	16.3	17.4	17.7	16.2	17.3	16.5	17.6	17.9
	8H	16.0	17.0	16.3	17.4	17.7	16.2	17.3	16.6	17.6	17.9
	12H	16.0	17.0	16.3	17.3	17.7	16.2	17.2	16.6	17.5	17.9
4H	2H	15.7	16.9	16.0	17.1	17.4	15.7	16.9	16.1	17.2	17.5
	3H	16.3	17.3	16.7	17.6	18.0	16.4	17.4	16.8	17.8	18.1
	4H	16.4	17.3	16.8	17.7	18.1	16.6	17.5	17.0	17.9	18.2
	6H	16.5	17.3	16.9	17.7	18.1	16.7	17.5	17.1	17.9	18.3
	8H	16.5	17.3	17.0	17.7	18.1	16.7	17.5	17.2	17.9	18.3
	12H	16.5	17.2	17.0	17.6	18.1	16.7	17.4	17.2	17.9	18.3
8H	4H	16.4	17.2	16.9	17.6	18.0	16.6	17.3	17.0	17.7	18.2
	6H	16.6	17.2	17.0	17.6	18.1	16.8	17.4	17.2	17.8	18.3
	8H	16.6	17.2	17.1	17.6	18.1	16.8	17.4	17.3	17.8	18.3
	12H	16.7	17.1	17.2	17.6	18.1	16.9	17.4	17.4	17.8	18.4
12H	4H	16.4	17.1	16.8	17.5	17.9	16.5	17.2	17.0	17.7	18.1
	6H	16.6	17.1	17.0	17.6	18.1	16.7	17.3	17.2	17.7	18.2
	8H	16.6	17.1	17.1	17.6	18.1	16.8	17.3	17.3	17.8	18.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

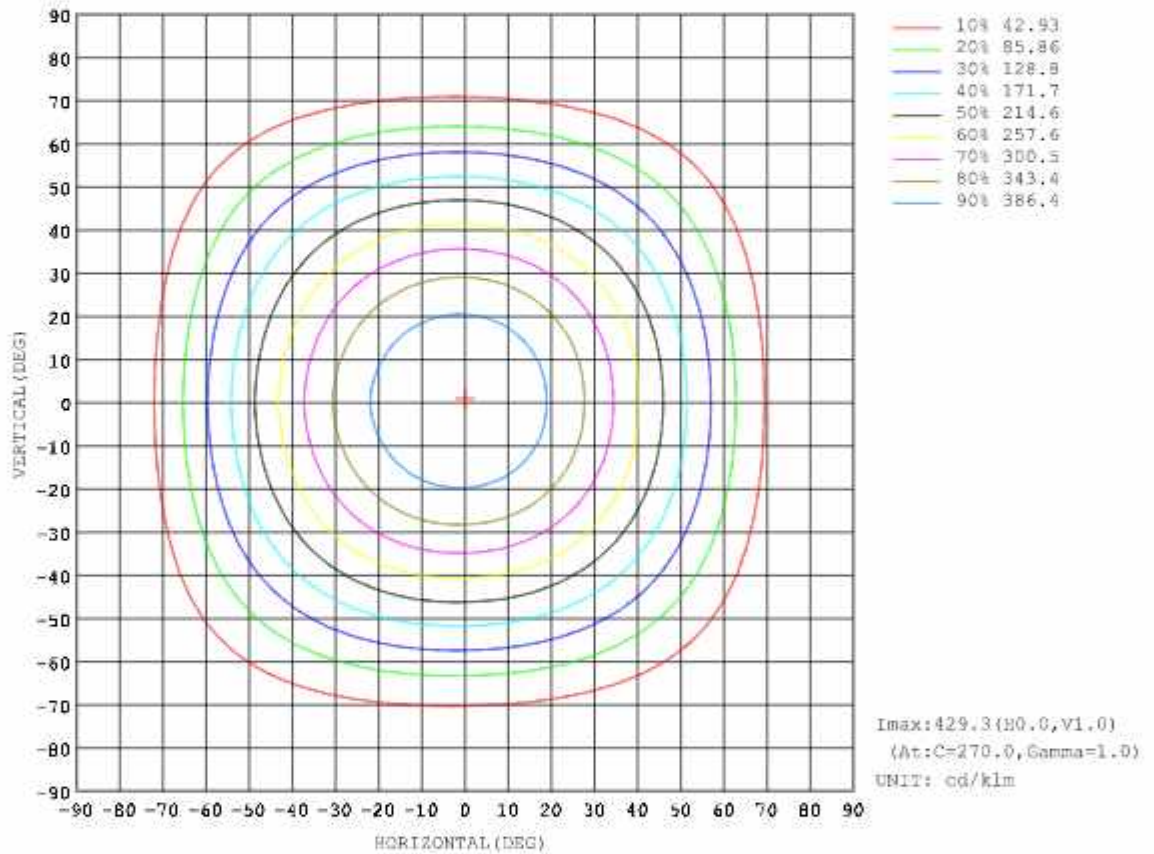
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	49	43	59	49	43	58	49	43	37
0.80	69	59	53	68	59	53	67	58	52	46
1.00	77	68	62	76	67	61	74	68	61	55
1.25	84	75	69	82	74	69	80	73	68	61
1.50	88	80	74	87	79	74	84	77	73	66
2.00	94	87	82	92	86	81	89	84	79	72
2.50	97	91	86	95	90	85	92	87	83	75
3.00	100	95	90	98	93	89	94	90	86	78
4.00	103	99	95	101	97	93	97	93	91	82
5.00	105	101	98	103	99	96	98	96	93	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

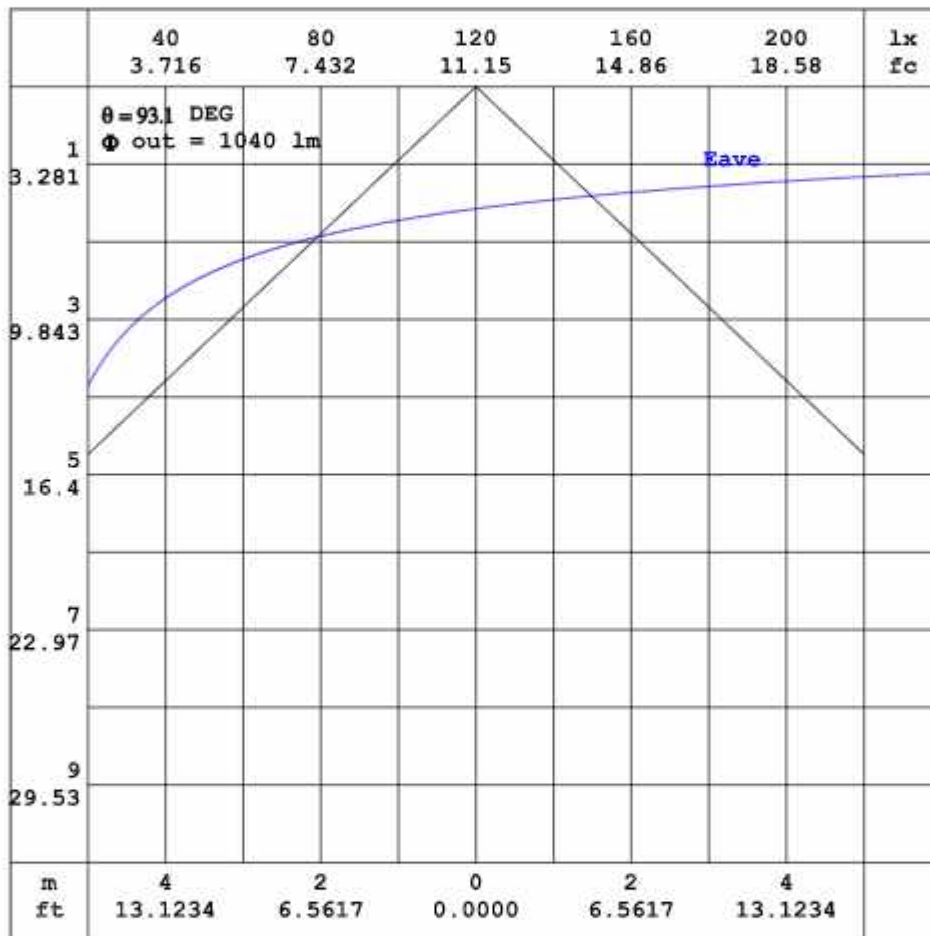


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



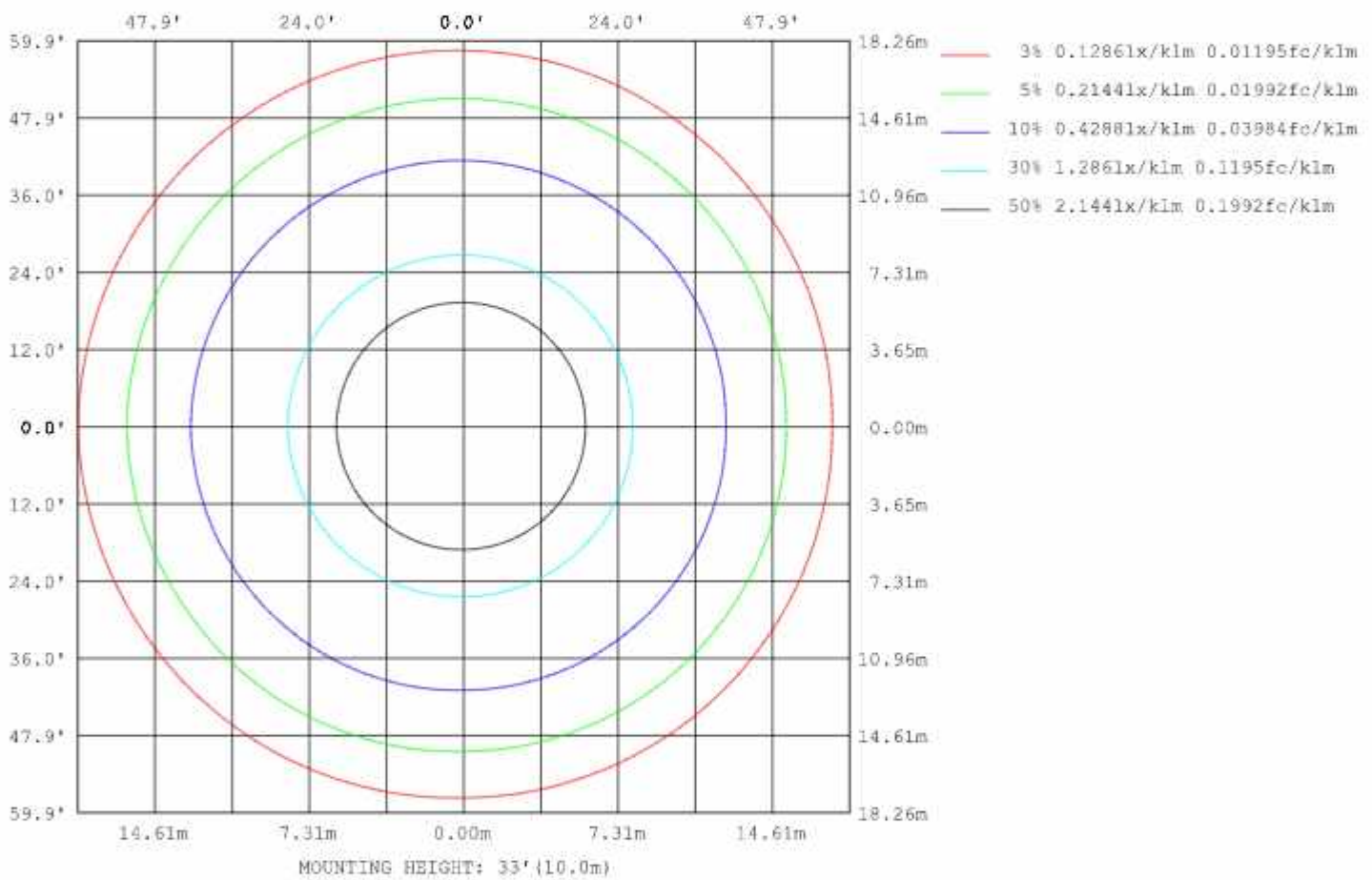
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

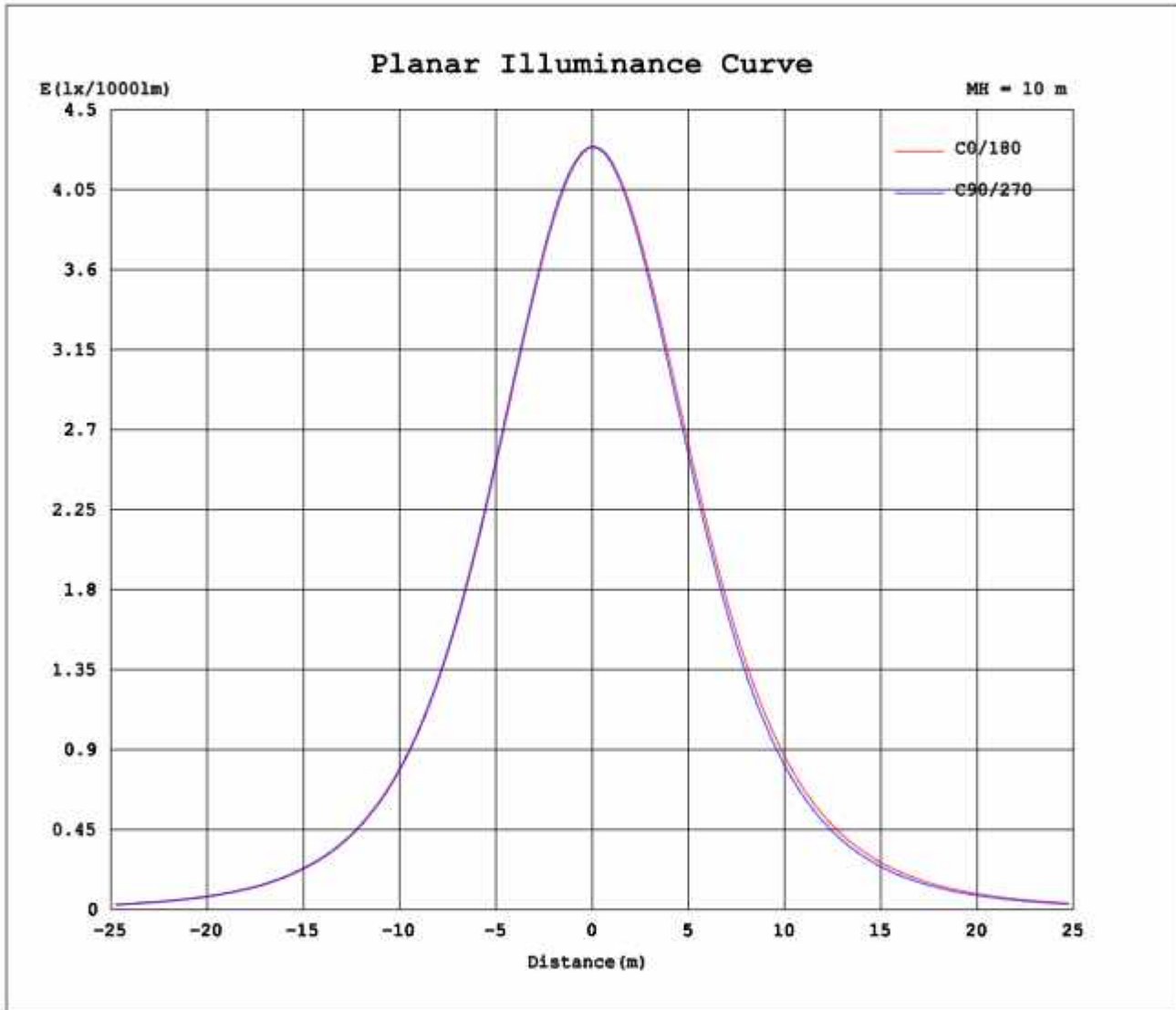
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:



## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) \ y (DEG)	0	90	180	270															
0	429	429	429	429															
5	424	426	428	427															
10	415	417	422	419															
15	401	404	411	406															
20	382	385	394	388															
25	358	361	373	366															
30	329	333	347	338															
35	296	299	316	305															
40	260	262	282	268															
45	222	224	244	230															
50	183	185	205	190															
55	144	146	166	152															
60	106	108	126	114															
65	70.0	74.1	88.6	79.4															
70	39.4	44.2	54.7	47.8															
75	20.6	23.6	28.6	24.8															
80	12.2	13.6	14.3	12.7															
85	5.38	6.35	7.32	5.70															
90	3.78	3.75	1.68	1.38															
95	3.78	3.74	1.50	1.52															
100	3.77	3.74	1.69	1.70															
105	3.78	3.75	1.89	1.90															
110	3.80	3.78	2.11	2.11															
115	3.84	3.82	2.33	2.34															
120	3.92	3.89	2.56	2.58															
125	4.00	3.96	2.80	2.81															
130	4.09	4.05	3.03	3.04															
135	4.19	4.14	3.26	3.28															
140	4.30	4.26	3.49	3.51															
145	4.43	4.38	3.73	3.75															
150	4.56	4.52	3.96	3.99															
155	4.71	4.68	4.19	4.23															
160	4.85	4.83	4.43	4.47															
165	4.97	4.98	4.67	4.70															
170	5.07	5.10	4.86	4.89															
175	5.14	5.18	5.04	5.05															
180	5.14	5.17	5.14	5.17															

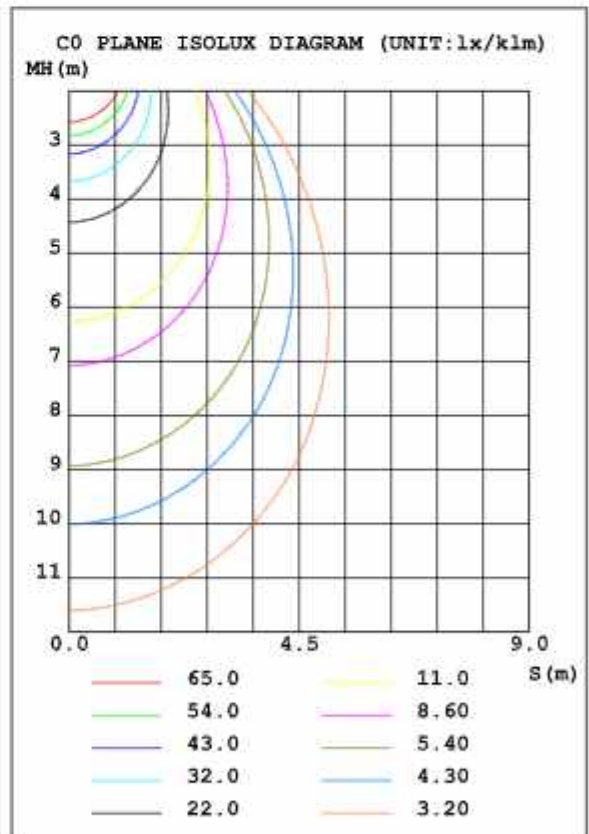
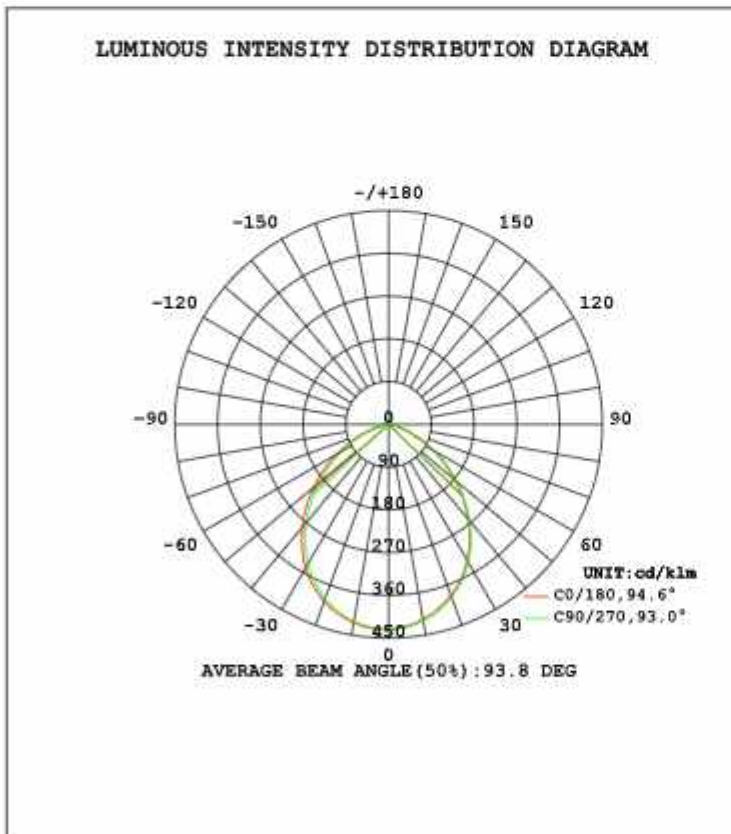
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

y Range: 0 - 180DEG  
 y Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	431.6	S/MH (C0/180)	1.15
NOMINAL POWER (W)	12	LOR (%)	96.4	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	963.77	$\eta$ UP, DN (C0-180)	1.3, 45.8
NOMINAL FLUX (lm)	1688.01	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 48.5
LAMPS INSIDE	1	$\eta$ up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	94.2	CIBSE SHR MAX	1.30



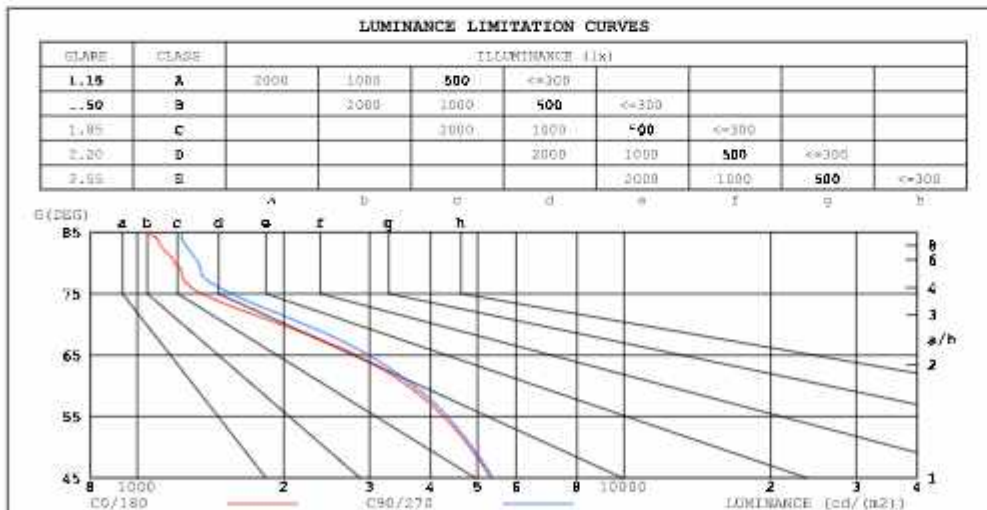
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	lum, lamp
10	417.1	419.6	423.8	421.5				0- 10	40.65	40.65	4.22, 4.07
20	383.5	387.3	396.5	390.5				10- 20	114.8	155.4	16.1, 15.5
30	330.9	334.6	349.5	339.8				20- 30	168.6	324.0	33.6, 32.4
40	261.2	264.0	282.8	269.7				30- 40	190.8	514.8	53.4, 51.5
50	183.4	185.6	205.4	191.2				40- 50	177.8	692.6	71.9, 69.3
60	106.4	109.2	127.2	114.8				50- 60	136.3	828.9	86, 82.9
70	39.89	44.68	55.13	48.19				60- 70	78.14	907.0	94.1, 90.7
80	12.26	13.74	14.37	12.80				70- 80	27.97	935.0	97, 93.5
90	3.801	3.760	1.697	1.382				80- 90	7.429	942.4	97.8, 94.2
100	3.781	3.754	1.691	1.700				90-100	2.893	945.3	98.1, 94.5
110	3.803	3.789	2.099	2.120				100-110	3.001	948.3	98.4, 94.8
120	3.932	3.900	2.560	2.585				110-120	3.069	951.4	98.7, 95.1
130	4.101	4.064	3.027	3.053				120-130	3.048	954.4	99, 95.4
140	4.322	4.277	3.494	3.523				130-140	2.886	957.3	99.3, 95.7
150	4.579	4.542	3.961	4.002				140-150	2.561	959.9	99.6, 96
160	4.868	4.850	4.440	4.488				150-160	2.062	961.9	99.8, 96.2
170	5.100	5.116	4.876	4.905				160-170	1.367	963.3	99.9, 96.3
180	5.174	5.188	5.148	5.195				170-180	0.4849	963.8	100, 96.4
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm			



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	1047	1238
80	1191	1336
75	1356	1558
70	1969	2205
65	2820	2985
60	3591	3685
55	4251	4331
50	4817	4875
45	5316	5372

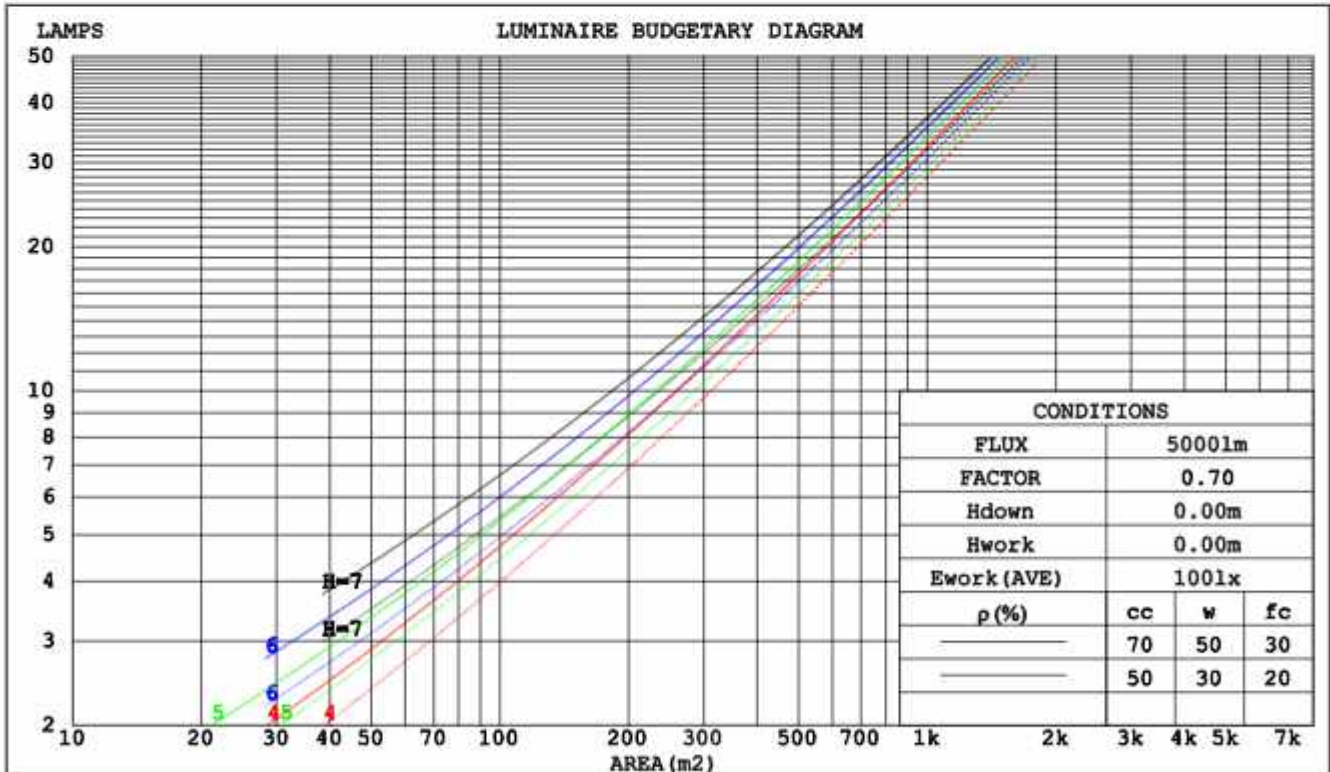
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.96	.96	.96	.94
1.0	1.02	.98	.95	.90	.96	.94	.95	.93	.90	.91	.89	.87	.87	.86	.84	.82
2.0	.91	.85	.80	.89	.83	.79	.85	.81	.77	.82	.78	.75	.78	.75	.73	.71
3.0	.81	.74	.68	.79	.73	.67	.76	.70	.66	.73	.68	.65	.70	.67	.63	.61
4.0	.72	.65	.59	.71	.64	.58	.68	.62	.57	.66	.61	.56	.64	.59	.55	.53
5.0	.65	.57	.51	.64	.56	.51	.62	.55	.50	.60	.54	.50	.58	.53	.49	.47
6.0	.59	.51	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.53	.47	.43	.42
7.0	.54	.46	.40	.53	.45	.40	.51	.45	.40	.50	.44	.39	.48	.43	.39	.37
8.0	.49	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.45	.39	.35	.33
9.0	.45	.38	.33	.45	.38	.33	.44	.37	.32	.42	.36	.32	.41	.36	.32	.30
10.0	.42	.35	.30	.41	.35	.30	.40	.34	.30	.39	.34	.29	.38	.33	.29	.28



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.253	.144	.046	.246	.140	.045	.232	.133	.043	.219	.127	.041	.208	.120	.039	
2.0	.244	.134	.041	.238	.131	.040	.226	.125	.039	.214	.120	.038	.204	.115	.036	
3.0	.230	.123	.037	.225	.120	.036	.214	.116	.035	.204	.112	.034	.195	.108	.033	
4.0	.216	.112	.033	.211	.110	.033	.201	.107	.032	.193	.103	.031	.184	.100	.031	
5.0	.202	.103	.030	.198	.101	.030	.189	.099	.029	.181	.096	.028	.174	.093	.028	
6.0	.189	.095	.027	.185	.094	.027	.178	.091	.027	.171	.089	.026	.164	.086	.026	
7.0	.178	.088	.025	.174	.087	.025	.167	.085	.024	.161	.083	.024	.155	.081	.024	
8.0	.167	.082	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022	.147	.075	.022	
9.0	.158	.076	.021	.155	.075	.021	.149	.074	.021	.144	.072	.021	.139	.071	.020	
10.0	.149	.071	.020	.146	.071	.020	.141	.069	.020	.137	.068	.019	.132	.066	.019	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.187	.167	.150	.160	.144	.129	.109	.099	.089	.063	.057	.052	.020	.018	.017	
2.0	.178	.144	.115	.152	.124	.100	.104	.086	.070	.060	.050	.041	.019	.016	.013	
3.0	.169	.127	.092	.145	.109	.080	.100	.076	.056	.058	.044	.033	.018	.014	.011	
4.0	.162	.113	.077	.139	.098	.066	.096	.068	.047	.055	.040	.028	.018	.013	.009	
5.0	.155	.103	.065	.133	.089	.057	.092	.062	.040	.053	.037	.024	.017	.012	.008	
6.0	.148	.095	.057	.127	.082	.050	.088	.058	.035	.051	.034	.021	.016	.011	.007	
7.0	.142	.088	.051	.122	.077	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
8.0	.136	.083	.046	.117	.072	.040	.081	.050	.028	.047	.030	.017	.015	.010	.006	
9.0	.131	.078	.042	.113	.068	.037	.078	.048	.026	.046	.028	.016	.015	.009	.005	
10.0	.126	.074	.039	.108	.064	.034	.075	.045	.024	.044	.027	.015	.014	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.4	16.8	15.7	17.0	17.2	15.5	16.8	15.8	17.1	17.3
	3H	15.9	17.2	16.2	17.4	17.7	16.1	17.3	16.4	17.6	17.9
	4H	16.0	17.2	16.3	17.5	17.7	16.2	17.4	16.5	17.6	17.9
	6H	16.0	17.1	16.4	17.4	17.7	16.2	17.3	16.6	17.6	17.9
	8H	16.0	17.1	16.4	17.4	17.7	16.2	17.3	16.6	17.6	17.9
	12H	16.0	17.0	16.4	17.3	17.7	16.2	17.2	16.6	17.6	17.9
4H	2H	15.7	16.9	16.0	17.2	17.5	15.8	16.9	16.1	17.2	17.5
	3H	16.3	17.3	16.7	17.7	18.0	16.5	17.5	16.8	17.8	18.1
	4H	16.4	17.4	16.8	17.7	18.1	16.6	17.5	17.0	17.9	18.3
	6H	16.5	17.3	17.0	17.7	18.1	16.7	17.5	17.2	17.9	18.3
	8H	16.5	17.3	17.0	17.7	18.1	16.8	17.5	17.2	17.9	18.3
	12H	16.6	17.2	17.0	17.7	18.1	16.8	17.5	17.2	17.9	18.3
8H	4H	16.4	17.2	16.9	17.6	18.0	16.6	17.4	17.1	17.8	18.2
	6H	16.6	17.2	17.1	17.7	18.1	16.8	17.4	17.3	17.8	18.3
	8H	16.7	17.2	17.2	17.7	18.2	16.9	17.4	17.4	17.9	18.4
	12H	16.7	17.2	17.2	17.7	18.2	16.9	17.4	17.4	17.9	18.4
12H	4H	16.4	17.1	16.9	17.5	18.0	16.6	17.3	17.0	17.7	18.1
	6H	16.6	17.1	17.1	17.6	18.1	16.8	17.3	17.3	17.8	18.3
	8H	16.7	17.1	17.2	17.6	18.1	16.9	17.3	17.4	17.8	18.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

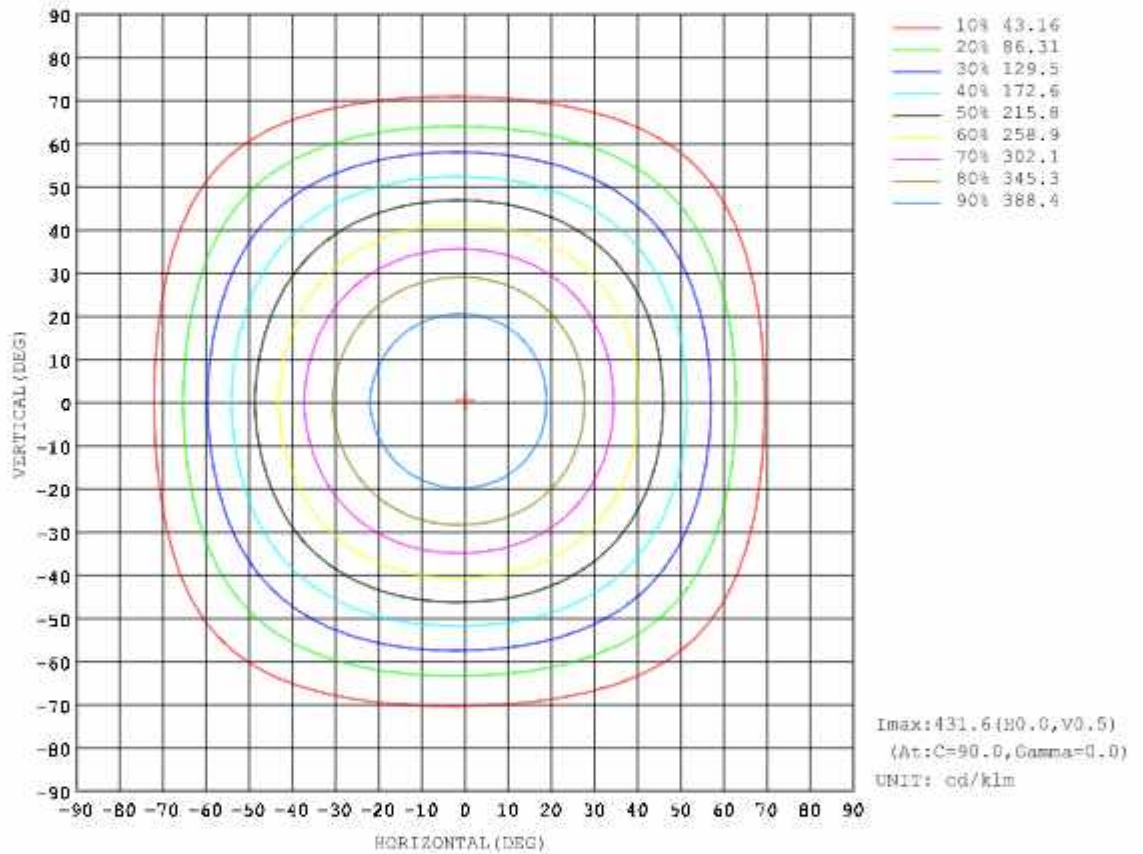
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	50	44	59	49	43	58	49	43	37
0.80	70	60	53	69	59	53	67	58	53	47
1.00	78	68	62	77	68	62	74	69	61	55
1.25	84	75	69	83	75	69	80	73	68	62
1.50	89	81	75	87	80	74	84	78	73	66
2.00	95	88	82	93	86	81	89	84	80	73
2.50	98	91	86	96	90	85	92	87	83	76
3.00	101	95	90	99	93	89	95	90	87	79
4.00	104	99	95	102	97	94	97	94	91	82
5.00	106	102	99	103	100	97	99	96	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



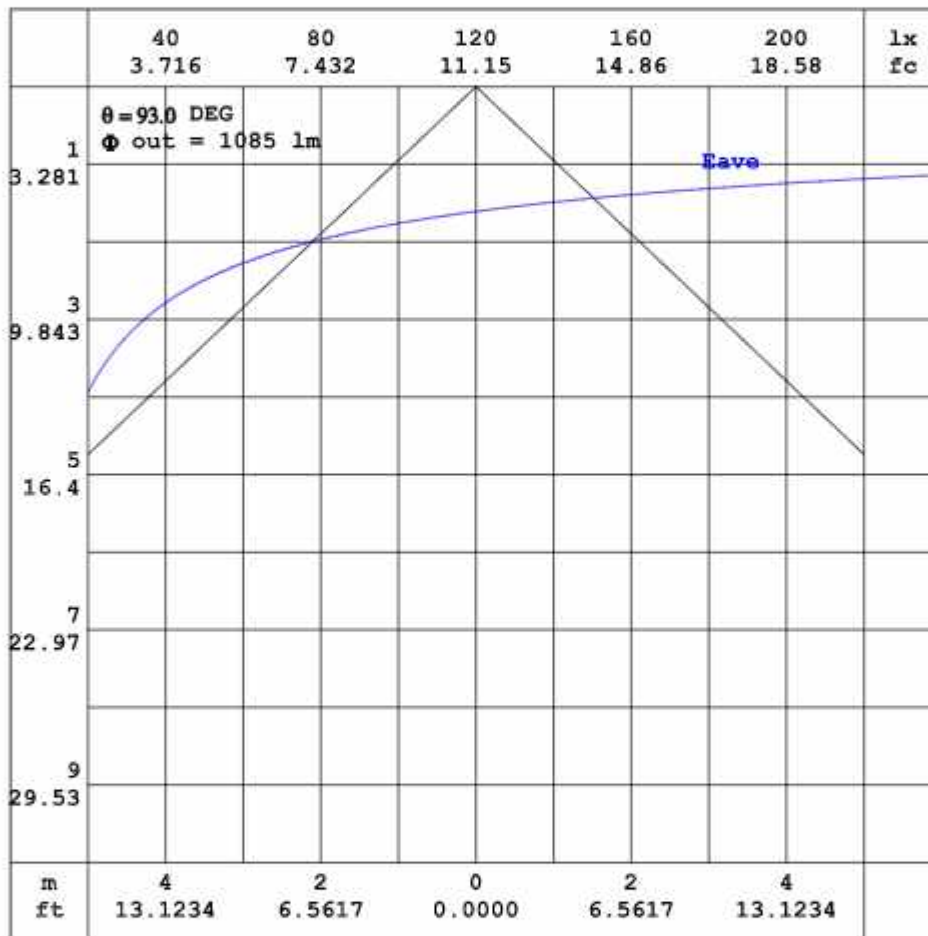
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



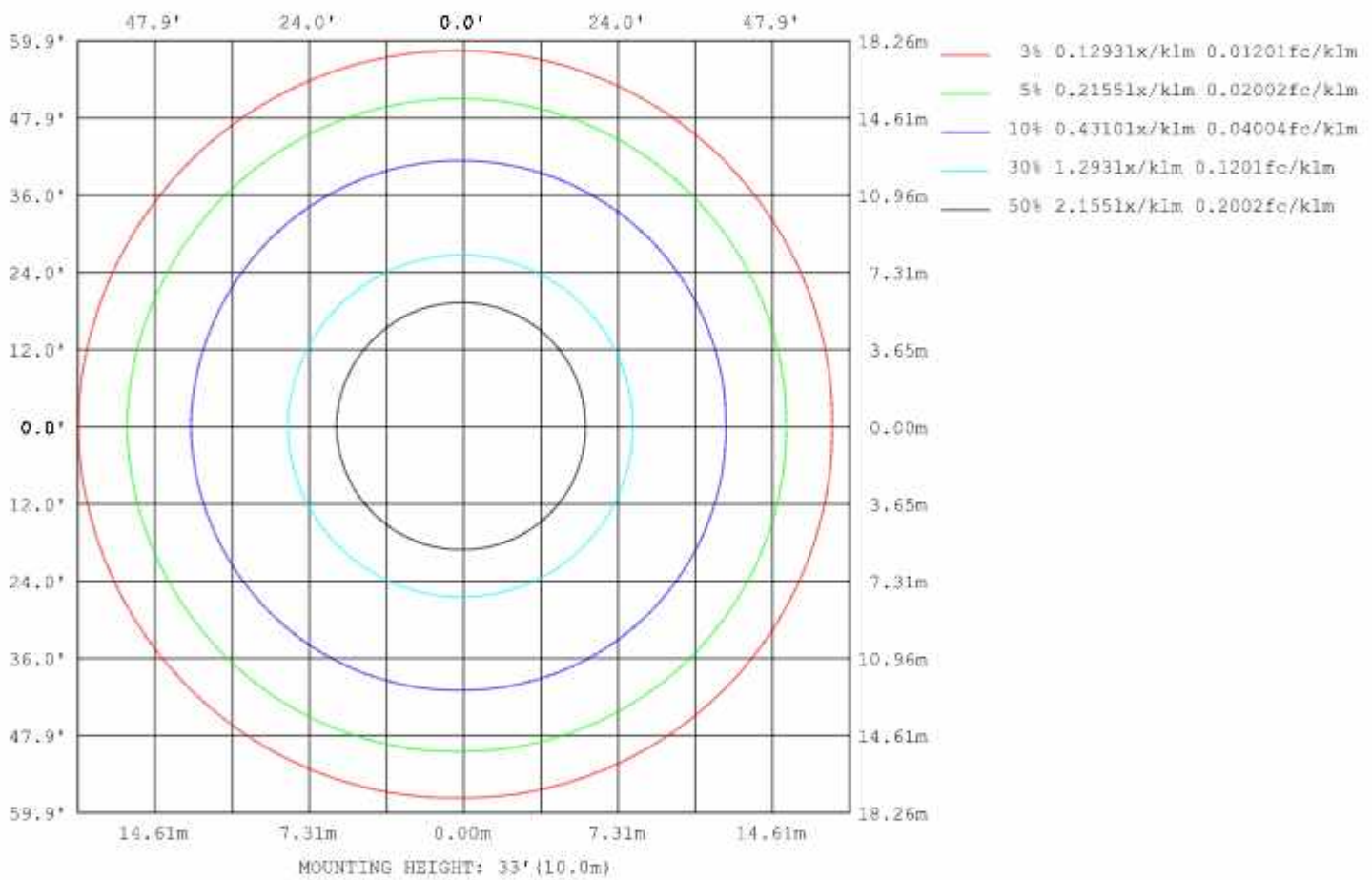
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

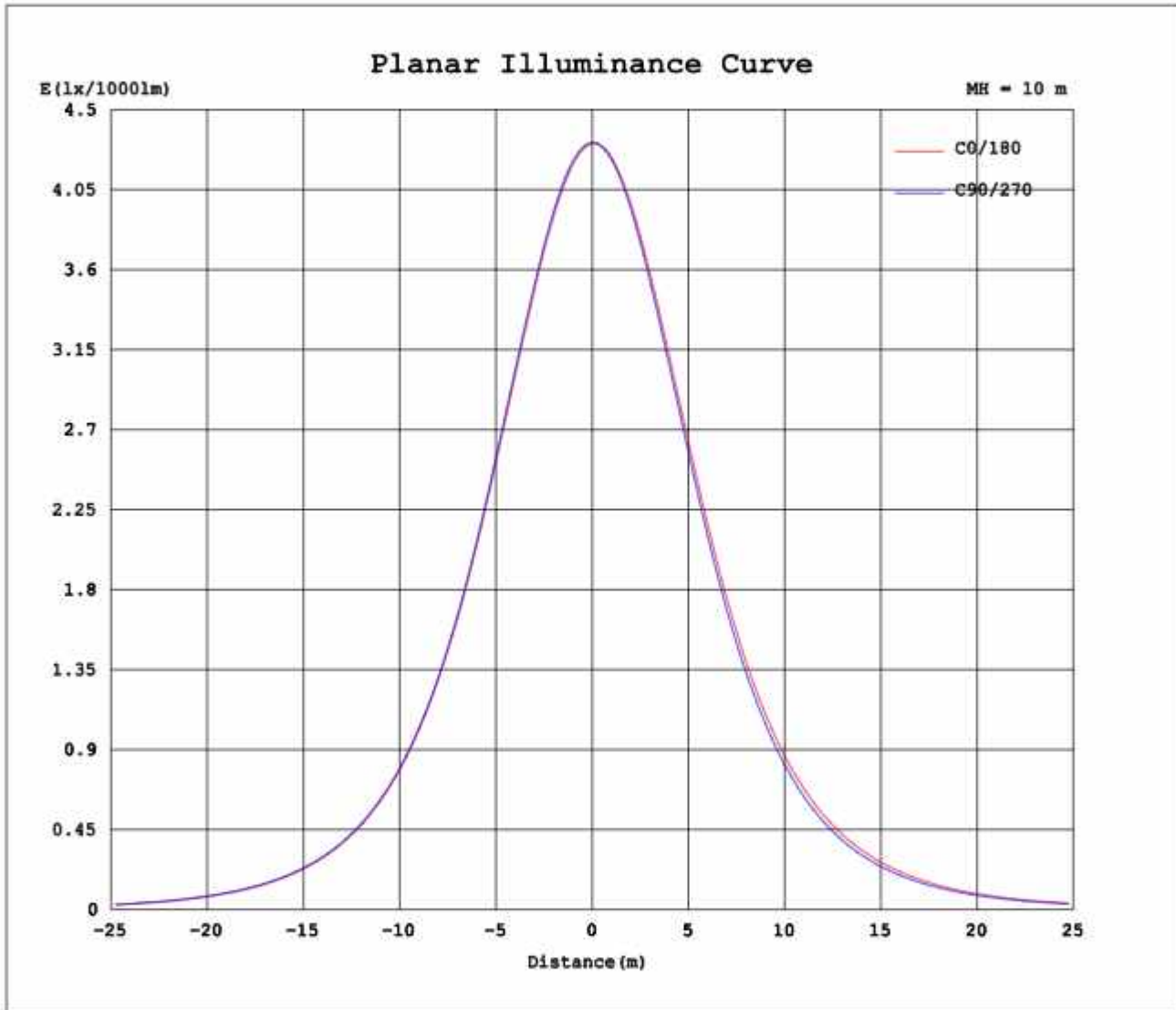
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270																
0	431	432	431	432																
5	427	428	430	429																
10	417	420	424	421																
15	403	406	413	408																
20	384	387	396	391																
25	360	364	375	368																
30	331	335	349	340																
35	298	301	318	306																
40	261	264	283	270																
45	223	225	245	231																
50	183	186	205	191																
55	144	147	166	152																
60	106	109	127	115																
65	70.6	74.7	88.8	79.8																
70	39.9	44.7	55.1	48.2																
75	20.8	23.9	28.8	25.0																
80	12.3	13.7	14.4	12.8																
85	5.40	6.39	7.36	5.71																
90	3.80	3.76	1.70	1.38																
95	3.78	3.75	1.51	1.52																
100	3.78	3.75	1.69	1.70																
105	3.78	3.76	1.89	1.90																
110	3.80	3.79	2.10	2.12																
115	3.86	3.83	2.33	2.35																
120	3.93	3.90	2.56	2.58																
125	4.01	3.97	2.80	2.82																
130	4.10	4.06	3.03	3.05																
135	4.20	4.16	3.26	3.29																
140	4.32	4.28	3.49	3.52																
145	4.45	4.40	3.73	3.76																
150	4.58	4.54	3.96	4.00																
155	4.73	4.69	4.20	4.25																
160	4.87	4.85	4.44	4.49																
165	5.00	5.00	4.68	4.71																
170	5.10	5.12	4.88	4.90																
175	5.17	5.20	5.04	5.08																
180	5.17	5.19	5.15	5.20																

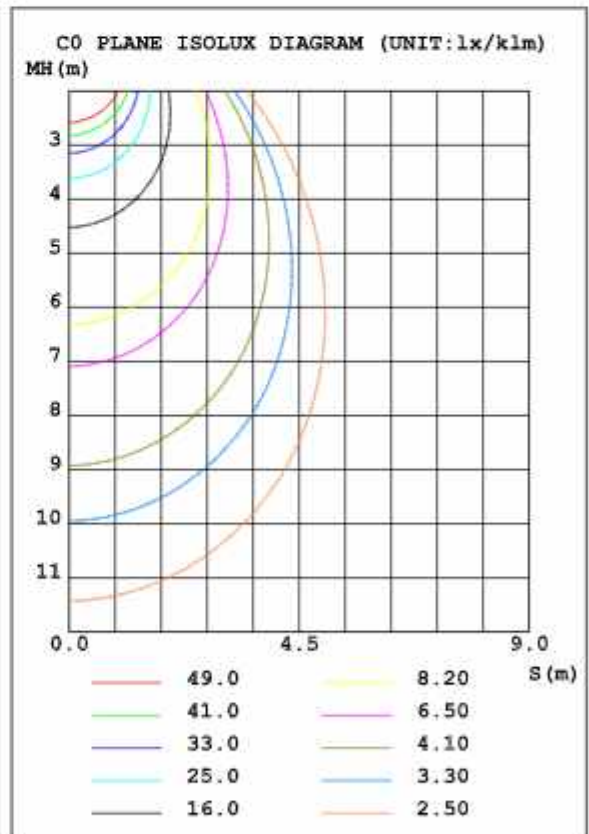
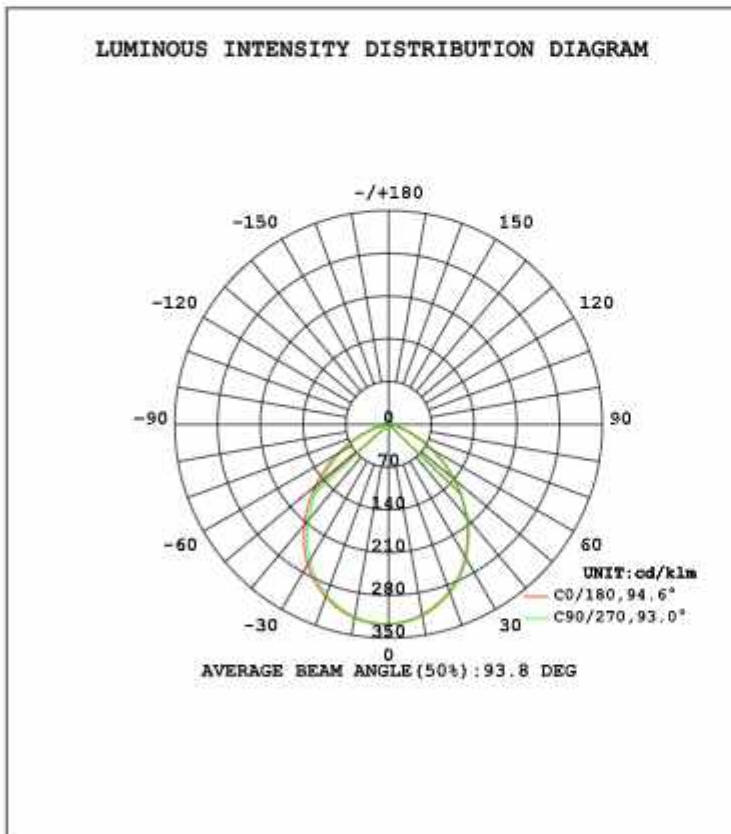
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	327.6	S/MH (C0/180)	1.15
NOMINAL POWER (W)	12	LOR (%)	73.1	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	731.35	$\eta$ UP, DN (C0-180)	1.0, 34.7
NOMINAL FLUX (lm)	2308.07	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.6, 36.8
LAMPS INSIDE	1	$\eta$ up (%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	71.5	CIBSE SHR MAX	1.30



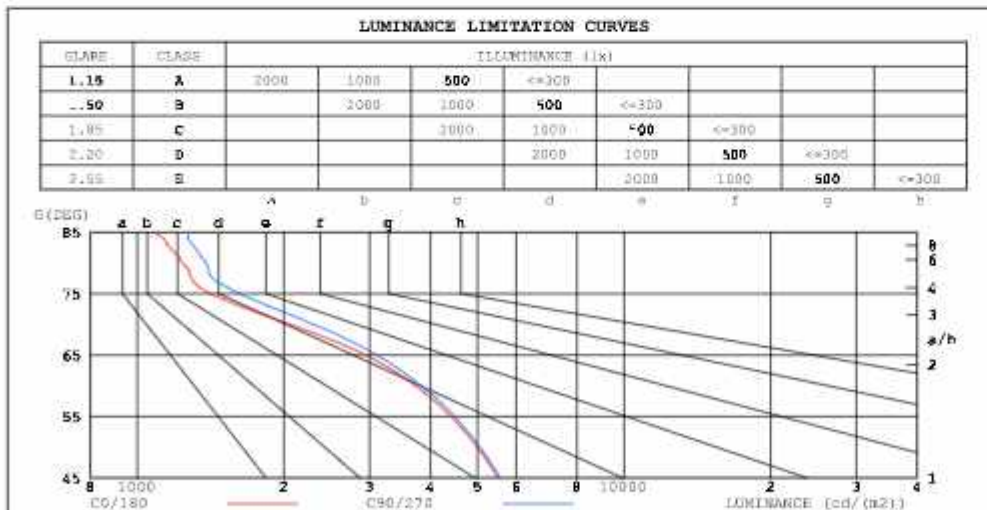
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	316.4	318.7	321.6	320.1				0- 10	30.85	30.85	4.22, 3.08
20	291.0	294.0	301.0	296.6				10- 20	87.12	118.0	16.1, 11.8
30	251.1	254.1	265.3	258.0				20- 30	128.0	246.0	33.6, 24.6
40	198.1	200.2	214.6	204.8				30- 40	144.8	390.8	53.4, 39.1
50	139.0	140.7	155.7	145.0				40- 50	134.8	525.6	71.9, 52.6
60	80.78	82.82	96.19	87.17				50- 60	103.3	628.9	86.6, 62.9
70	30.50	34.08	41.85	36.86				60- 70	59.40	688.3	94.1, 68.8
80	9.298	10.42	10.91	9.750				70- 80	21.32	709.6	97.7, 71
90	2.862	2.842	1.271	1.047				80- 90	5.626	715.2	97.8, 71.5
100	2.852	2.826	1.270	1.288				90-100	2.183	717.4	98.1, 71.7
110	2.871	2.857	1.584	1.591				100-110	2.261	719.7	98.4, 72
120	2.962	2.942	1.930	1.950				110-120	2.314	722.0	98.7, 72.2
130	3.093	3.066	2.281	2.303				120-130	2.298	724.3	99.7, 72.4
140	3.264	3.228	2.633	2.656				130-140	2.176	726.5	99.3, 72.6
150	3.459	3.424	2.991	3.020				140-150	1.933	728.4	99.6, 72.8
160	3.675	3.661	3.354	3.390				150-160	1.857	730.0	99.8, 73
170	3.854	3.865	3.681	3.709				160-170	1.032	731.0	99.9, 73.1
180	3.907	3.924	3.899	3.924				170-180	0.3664	731.4	100, 73.1
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm			



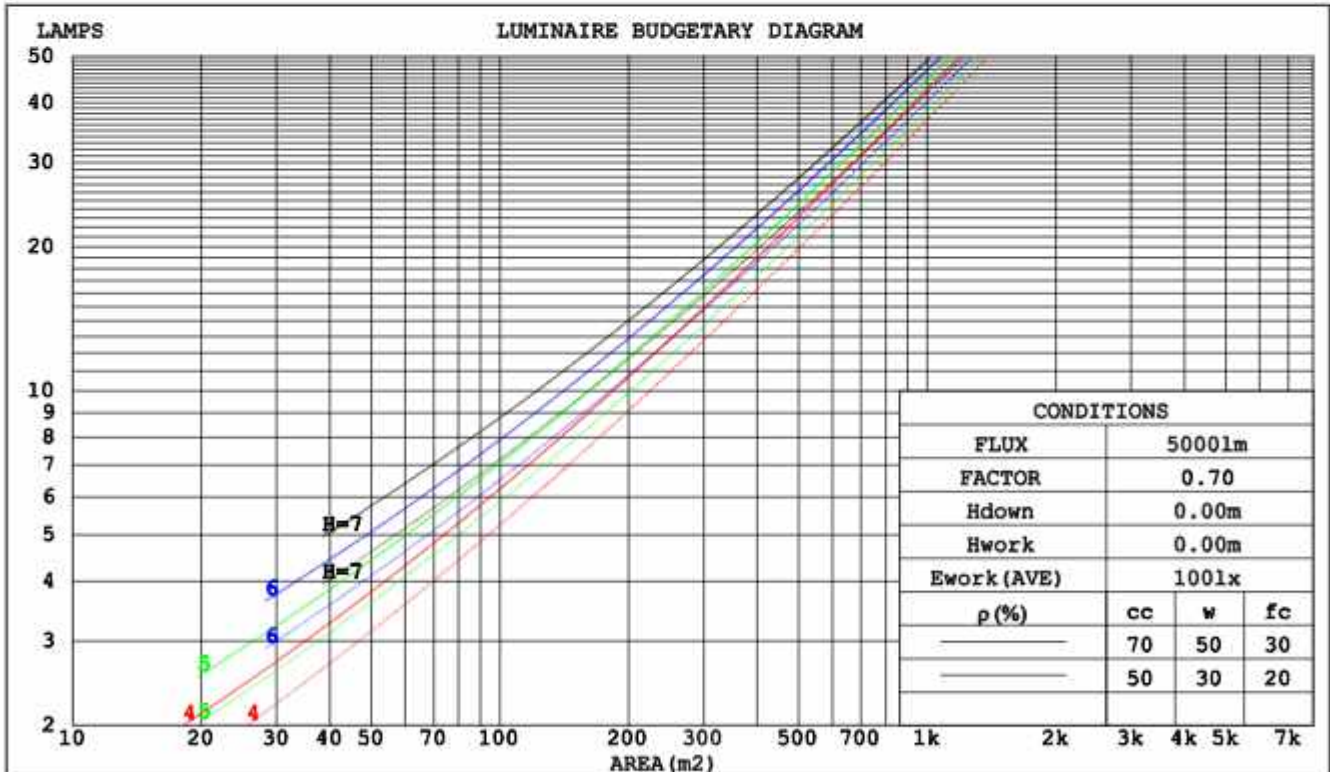
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.87	.87	.87	.84	.84	.84	.80	.80	.80	.77	.77	.77	.73	.73	.73	.72
1.0	.77	.75	.72	.76	.73	.71	.72	.70	.68	.69	.68	.66	.66	.65	.64	.62
2.0	.69	.64	.61	.67	.63	.60	.64	.61	.58	.62	.59	.57	.59	.57	.55	.54
3.0	.61	.56	.52	.60	.55	.51	.58	.53	.50	.55	.52	.49	.53	.50	.48	.46
4.0	.55	.49	.45	.54	.48	.44	.52	.47	.43	.50	.46	.43	.48	.45	.42	.40
5.0	.49	.43	.39	.49	.43	.39	.47	.42	.38	.45	.41	.38	.44	.40	.37	.36
6.0	.45	.39	.34	.44	.38	.34	.43	.38	.34	.41	.37	.33	.40	.36	.33	.32
7.0	.41	.35	.31	.40	.35	.30	.39	.34	.30	.38	.33	.30	.37	.33	.30	.28
8.0	.37	.32	.28	.37	.31	.27	.36	.31	.27	.35	.30	.27	.34	.30	.27	.25
9.0	.34	.29	.25	.34	.29	.25	.33	.28	.25	.32	.28	.24	.31	.27	.24	.23
10.0	.32	.26	.23	.31	.26	.23	.31	.26	.23	.30	.25	.22	.29	.25	.22	.21



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.192	.109	.035	.187	.106	.034	.176	.101	.032	.167	.096	.031	.158	.091	.029	
2.0	.185	.101	.031	.180	.099	.031	.171	.095	.030	.163	.091	.029	.155	.088	.028	
3.0	.175	.093	.028	.170	.091	.027	.162	.088	.027	.155	.085	.026	.148	.082	.025	
4.0	.164	.085	.025	.160	.084	.025	.153	.081	.024	.146	.078	.024	.140	.076	.023	
5.0	.153	.078	.023	.150	.077	.022	.144	.075	.022	.138	.073	.022	.132	.071	.021	
6.0	.144	.072	.021	.141	.071	.020	.135	.069	.020	.130	.067	.020	.125	.066	.019	
7.0	.135	.067	.019	.132	.066	.019	.127	.064	.019	.122	.063	.018	.118	.061	.018	
8.0	.127	.062	.017	.124	.061	.017	.120	.060	.017	.115	.058	.017	.111	.057	.017	
9.0	.120	.058	.016	.117	.057	.016	.113	.056	.016	.109	.055	.016	.106	.054	.015	
10.0	.113	.054	.015	.111	.054	.015	.107	.053	.015	.104	.051	.015	.100	.050	.014	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.152	.152	.152	.130	.130	.130	.088	.088	.088	.051	.051	.051	.016	.016	.016	
1.0	.142	.127	.113	.121	.109	.098	.083	.075	.067	.048	.043	.039	.015	.014	.013	
2.0	.135	.109	.088	.115	.094	.076	.079	.065	.053	.046	.038	.031	.015	.012	.010	
3.0	.128	.096	.070	.110	.083	.061	.076	.058	.043	.044	.034	.025	.014	.011	.008	
4.0	.123	.086	.058	.105	.074	.050	.072	.052	.035	.042	.030	.021	.013	.010	.007	
5.0	.117	.078	.049	.101	.068	.043	.069	.047	.030	.040	.028	.018	.013	.009	.006	
6.0	.112	.072	.043	.097	.062	.038	.067	.044	.027	.039	.026	.016	.012	.008	.005	
7.0	.108	.067	.038	.093	.058	.033	.064	.041	.024	.037	.024	.014	.012	.008	.005	
8.0	.103	.063	.035	.089	.054	.030	.062	.038	.022	.036	.023	.013	.012	.007	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.035	.021	.012	.011	.007	.004	
10.0	.095	.056	.030	.082	.049	.026	.057	.034	.019	.033	.020	.011	.011	.007	.004	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:



## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	14.4	15.8	14.7	16.0	16.3	14.5	15.9	14.8	16.1	16.3
	3H	15.0	16.2	15.3	16.5	16.8	15.1	16.4	15.4	16.6	16.9
	4H	15.0	16.2	15.4	16.5	16.8	15.2	16.4	15.6	16.7	17.0
	6H	15.1	16.2	15.4	16.5	16.8	15.3	16.4	15.6	16.7	17.0
	8H	15.1	16.1	15.4	16.4	16.8	15.3	16.3	15.6	16.7	17.0
	12H	15.0	16.1	15.4	16.4	16.7	15.3	16.3	15.6	16.6	17.0
4H	2H	14.7	15.9	15.1	16.2	16.5	14.8	16.0	15.1	16.3	16.6
	3H	15.4	16.4	15.7	16.7	17.1	15.5	16.5	15.9	16.9	17.2
	4H	15.5	16.4	15.9	16.8	17.1	15.7	16.6	16.1	17.0	17.3
	6H	15.6	16.4	16.0	16.8	17.2	15.8	16.6	16.2	17.0	17.4
	8H	15.6	16.4	16.0	16.8	17.2	15.8	16.6	16.3	17.0	17.4
	12H	15.6	16.3	16.1	16.7	17.2	15.8	16.5	16.3	16.9	17.4
8H	4H	15.5	16.2	15.9	16.7	17.1	15.7	16.4	16.1	16.8	17.2
	6H	15.6	16.3	16.1	16.7	17.2	15.8	16.5	16.3	16.9	17.4
	8H	15.7	16.3	16.2	16.7	17.2	15.9	16.5	16.4	16.9	17.4
	12H	15.8	16.2	16.3	16.7	17.2	16.0	16.4	16.5	16.9	17.4
12H	4H	15.5	16.2	15.9	16.6	17.0	15.6	16.3	16.1	16.7	17.2
	6H	15.6	16.2	16.1	16.6	17.1	15.8	16.4	16.3	16.8	17.3
	8H	15.7	16.2	16.2	16.7	17.2	15.9	16.4	16.4	16.9	17.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

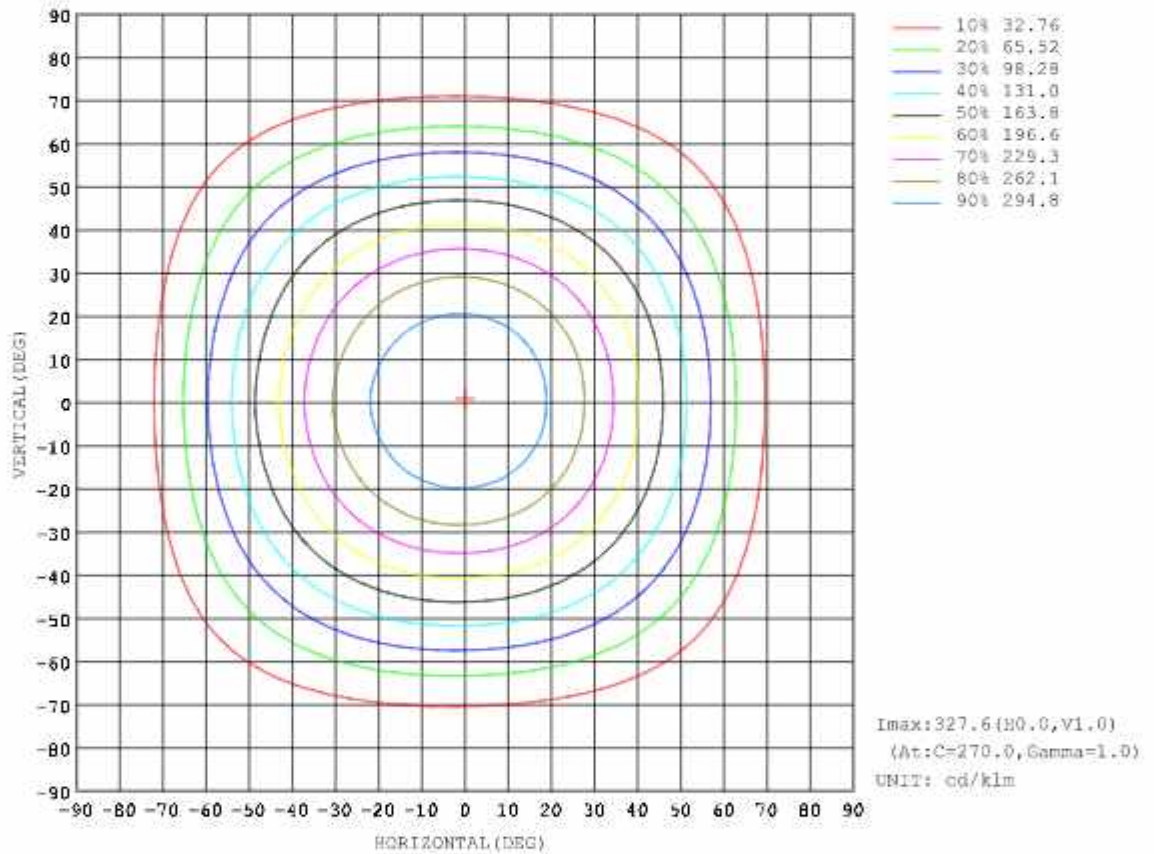
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	38	33	45	38	33	44	37	33	28
0.80	53	45	40	52	45	40	51	44	40	35
1.00	59	52	47	58	51	47	56	52	46	42
1.25	64	57	53	63	57	52	61	56	52	47
1.50	67	61	57	66	60	56	64	59	55	50
2.00	72	66	62	70	66	62	68	64	61	55
2.50	74	69	66	73	68	65	70	66	63	57
3.00	76	72	69	75	71	68	72	69	66	60
4.00	79	75	72	77	74	71	74	71	69	63
5.00	80	77	75	78	76	74	75	73	71	64
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

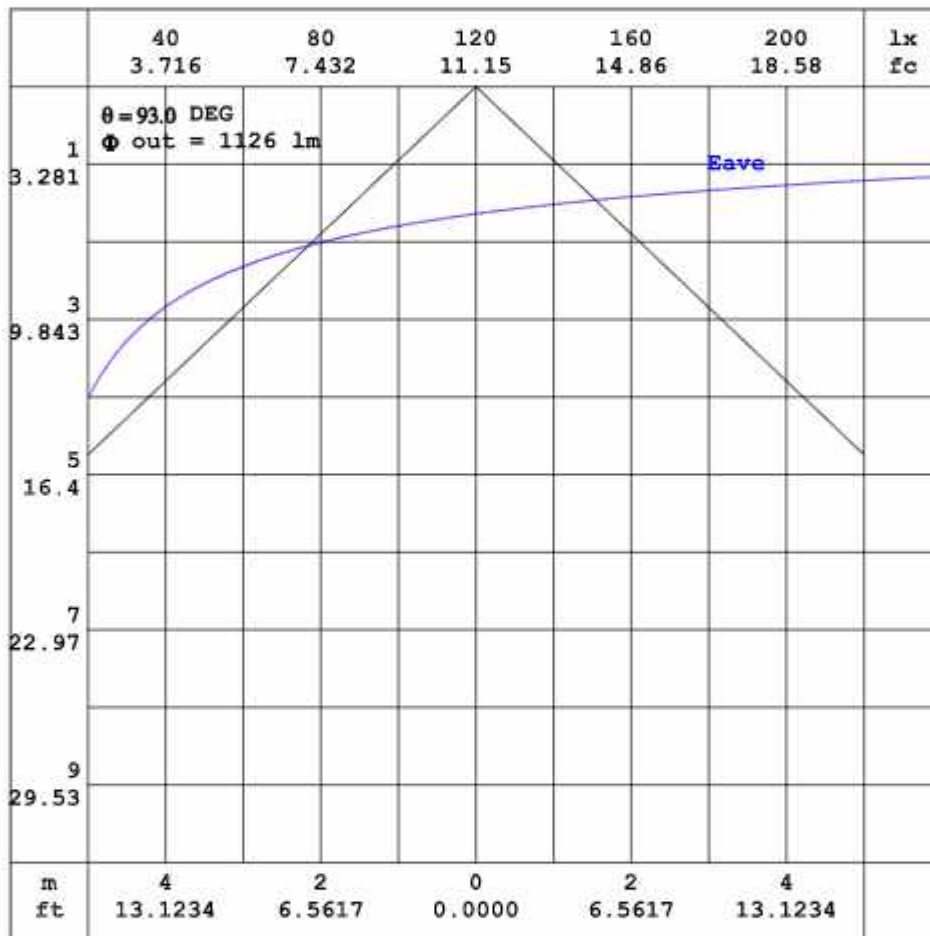


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**AAI CURVES**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



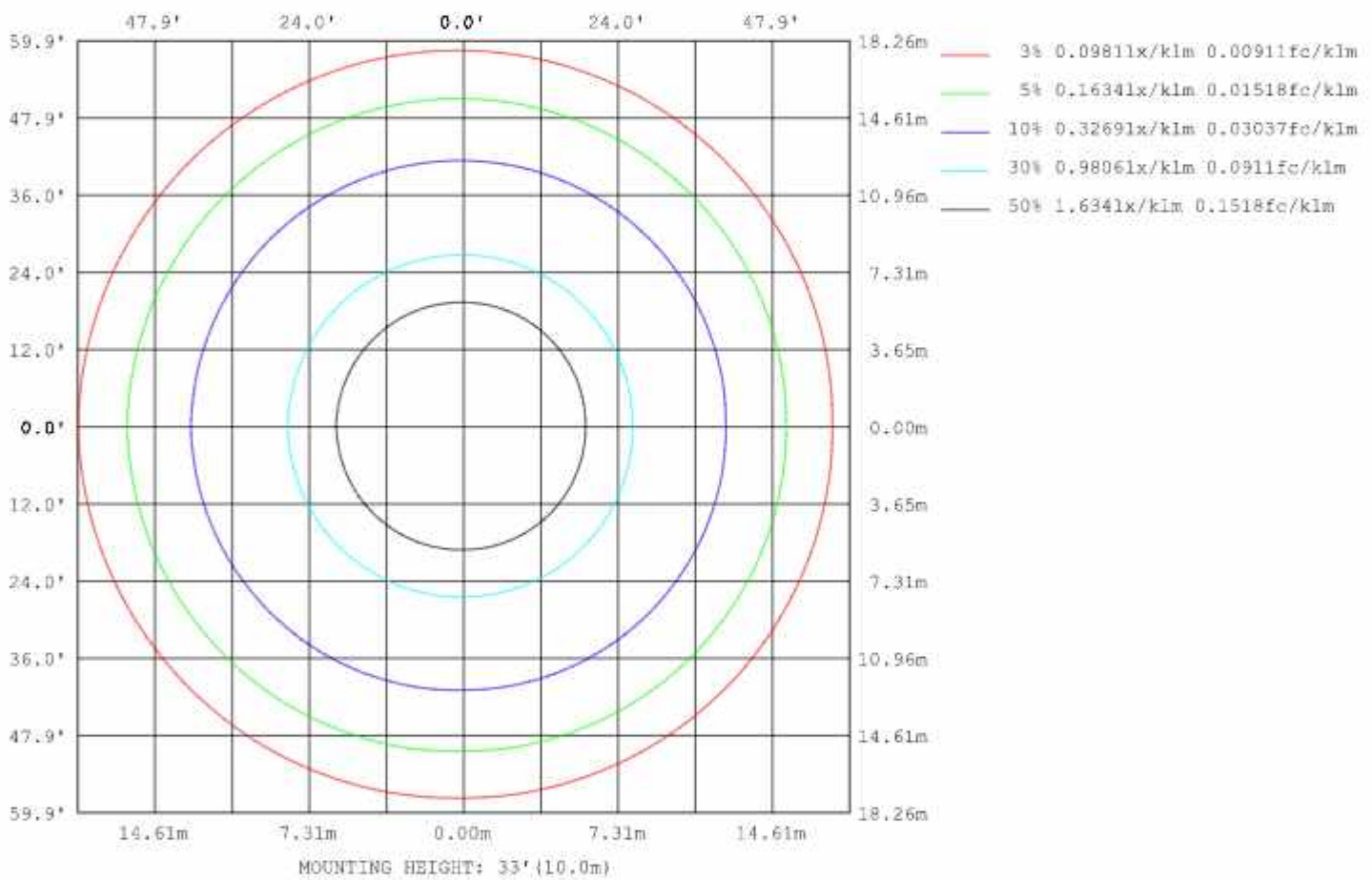
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

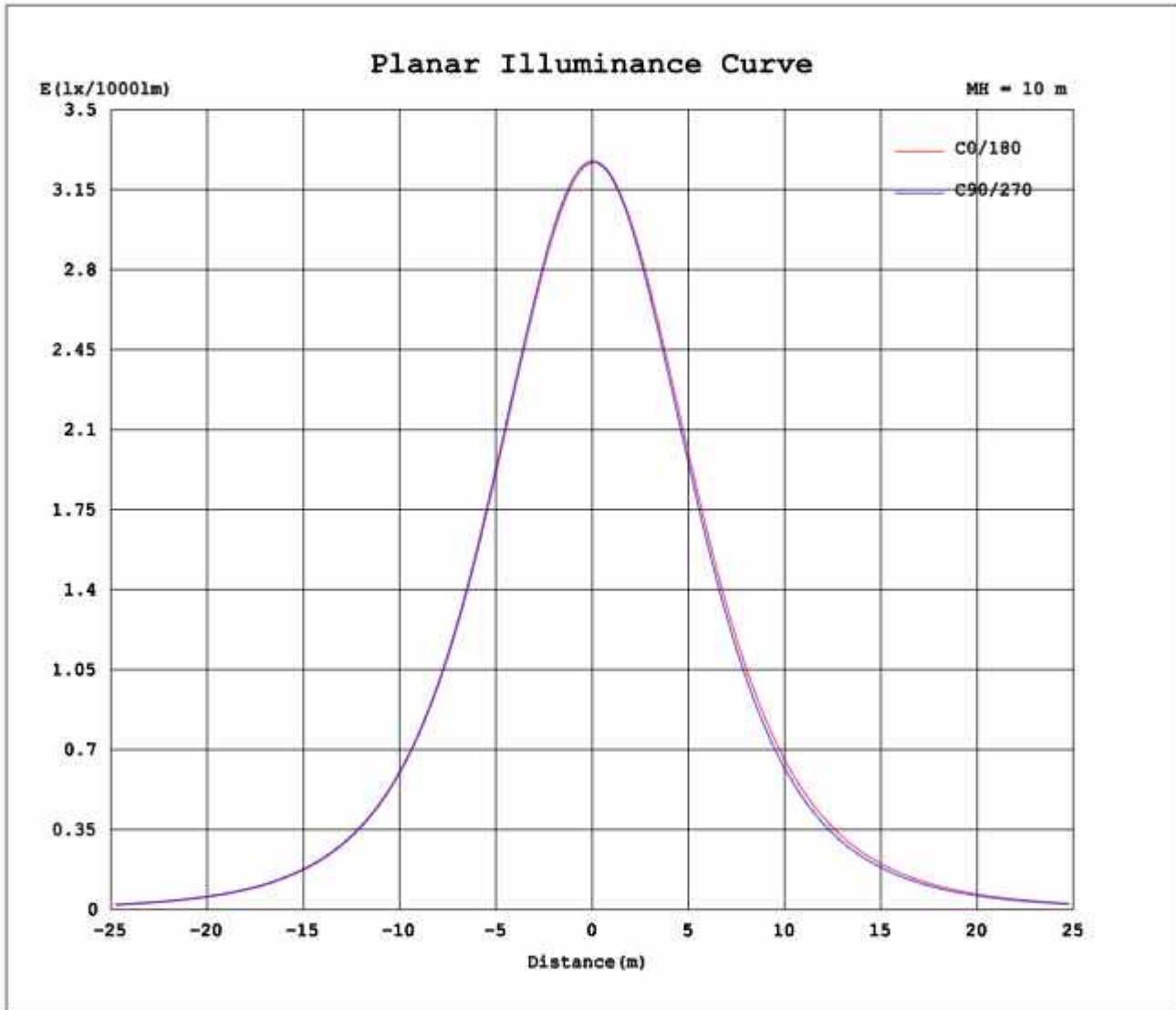
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) \ y (DEG)	0	90	180	270															
0	327	327	327	327															
5	324	325	326	326															
10	316	319	322	320															
15	306	308	313	310															
20	291	294	301	297															
25	273	276	285	279															
30	251	254	265	258															
35	226	228	241	233															
40	198	200	215	205															
45	169	171	186	175															
50	139	141	156	145															
55	110	112	126	116															
60	80.8	82.8	96.2	87.2															
65	53.9	56.8	67.2	60.7															
70	30.5	34.1	41.9	36.9															
75	15.8	18.2	21.9	19.1															
80	9.30	10.4	10.9	9.75															
85	4.07	4.82	5.57	4.35															
90	2.86	2.84	1.27	1.05															
95	2.85	2.83	1.14	1.15															
100	2.85	2.83	1.27	1.29															
105	2.85	2.84	1.42	1.44															
110	2.87	2.86	1.58	1.59															
115	2.91	2.89	1.75	1.77															
120	2.96	2.94	1.93	1.95															
125	3.02	3.00	2.11	2.12															
130	3.09	3.07	2.28	2.30															
135	3.17	3.14	2.46	2.48															
140	3.26	3.23	2.63	2.66															
145	3.36	3.32	2.81	2.84															
150	3.46	3.42	2.99	3.02															
155	3.57	3.54	3.17	3.20															
160	3.68	3.66	3.35	3.39															
165	3.77	3.77	3.53	3.56															
170	3.85	3.86	3.68	3.71															
175	3.90	3.93	3.81	3.83															
180	3.91	3.92	3.90	3.92															

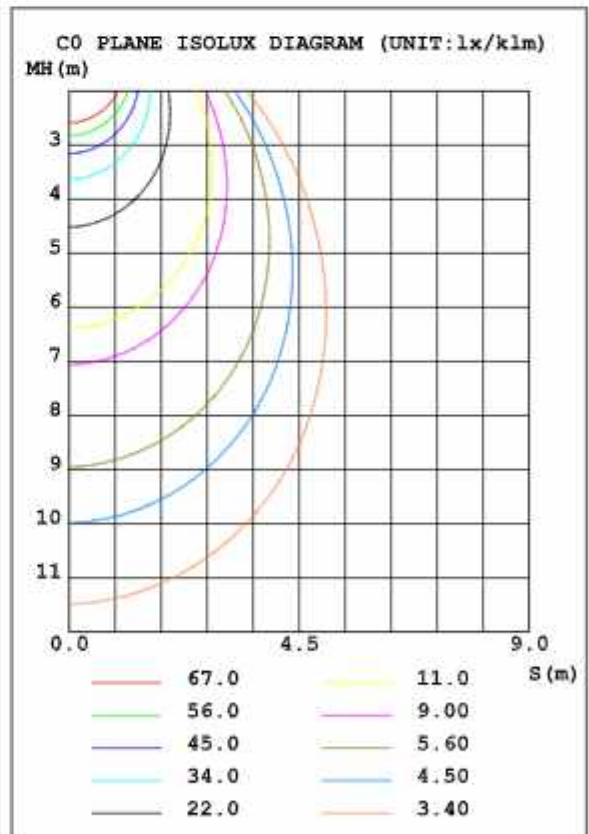
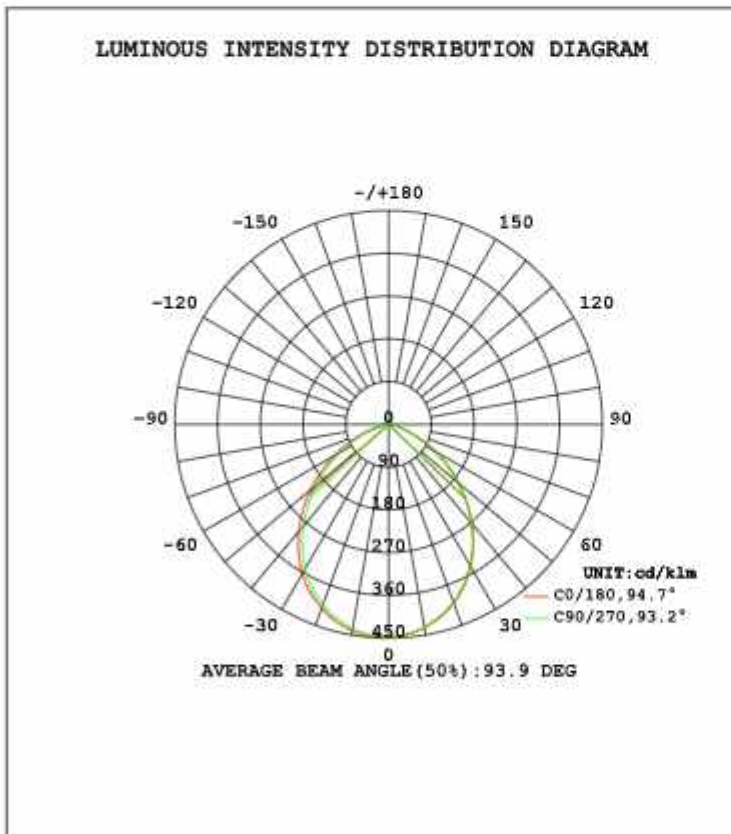
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

y Range: 0 - 180DEG  
 y Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	448.9	S/MH (C0/180)	1.15
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.00	$\eta$ UP, DN (C0-180)	1.3, 47.5
NOMINAL FLUX (lm)	1888.87	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 50.3
LAMPS INSIDE	1	$\eta$ up (%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	97.8	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

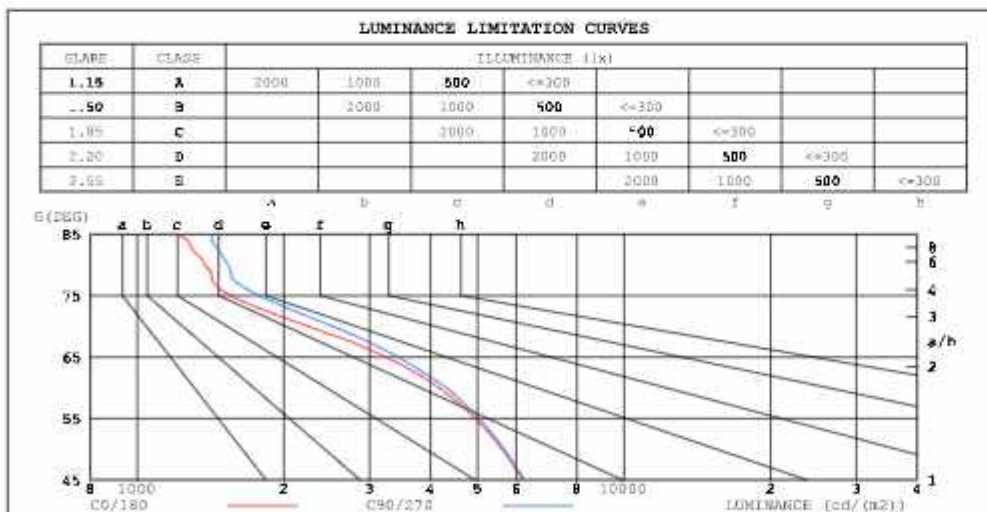
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp	
10	434.0	434.9	441.3	436.8				0- 10	42.22	42.22	4.22, 4.22	
20	398.7	400.8	412.3	404.2				10- 20	119.1	161.4	16.1, 16.1	
30	343.8	346.3	363.2	351.6				20- 30	174.9	336.2	33.6, 33.6	
40	271.6	273.4	294.5	279.5				30- 40	197.9	534.2	53.4, 53.4	
50	190.9	192.8	214.7	198.8				40- 50	184.8	719.0	71.9, 71.9	
60	110.1	114.2	133.0	119.1				50- 60	141.9	860.9	86.1, 86.1	
70	40.62	45.59	57.08	49.25				60- 70	80.91	941.8	94.2, 94.2	
80	12.63	14.14	14.89	13.14				70- 80	28.66	970.4	97, 97	
90	3.904	3.861	1.706	1.396				80- 90	7.660	978.1	97.8, 97.8	
100	3.886	3.851	1.705	1.713				90-100	2.952	981.1	98.1, 98.1	
110	3.912	3.884	2.139	2.149				100-110	3.064	984.1	98.4, 98.4	
120	4.034	3.999	2.616	2.631				110-120	3.139	987.3	98.7, 98.7	
130	4.216	4.163	3.104	3.118				120-130	3.123	990.4	99, 99	
140	4.442	4.385	3.599	3.595				130-140	2.959	993.3	99.3, 99.3	
150	4.717	4.652	4.085	4.096				140-150	2.630	996.0	99.6, 99.6	
160	5.019	4.989	4.587	4.601				150-160	2.120	998.1	99.8, 99.8	
170	5.257	5.264	5.040	5.045				160-170	1.407	999.5	100, 100	
180	5.324	5.347	5.342	5.333				170-180	0.4997	1000.0	100, 100	
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm				



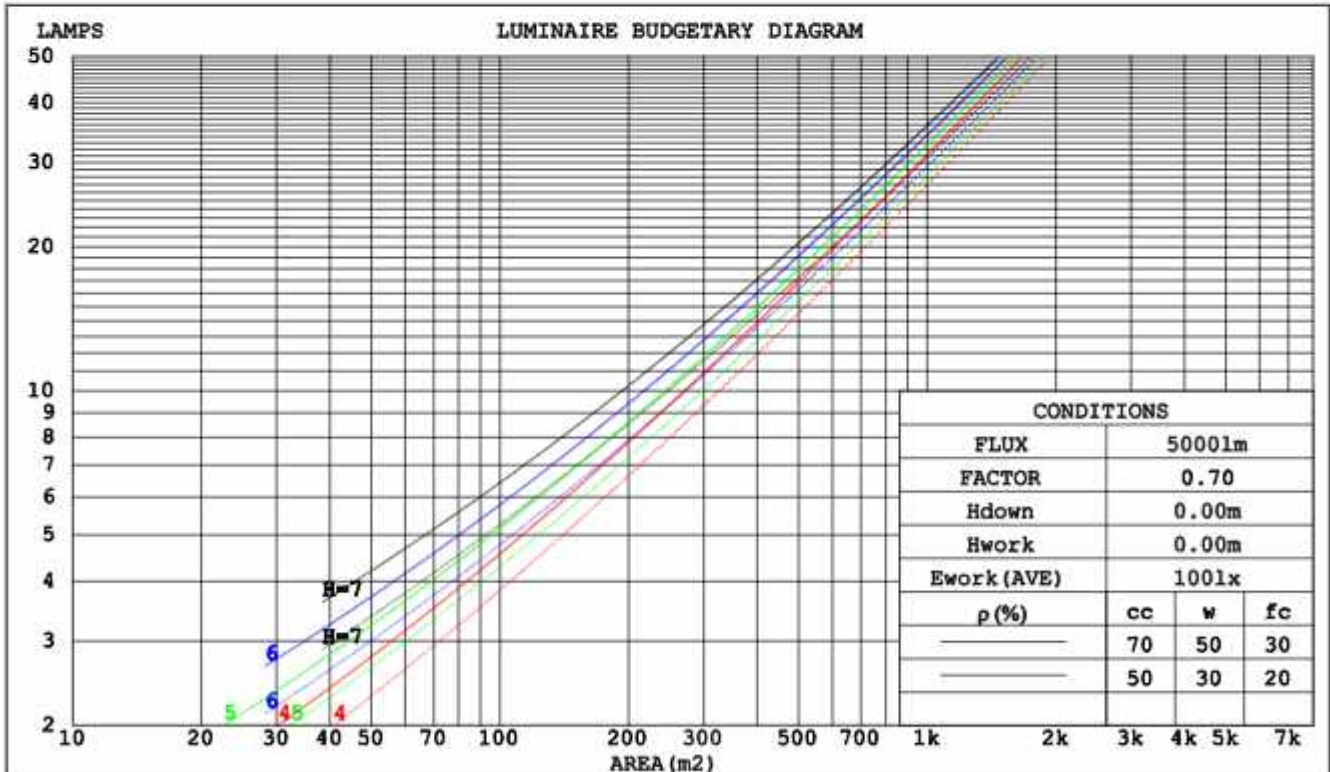
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98														
1.0	1.06	1.02	.99	1.03	1.00	.97	.99	.96	.94	.95	.92	.90	.91	.89	.87	.85														
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.85	.81	.78	.81	.78	.76	.73														
3.0	.84	.76	.71	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.66	.63														
4.0	.75	.67	.61	.74	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55														
5.0	.68	.59	.53	.66	.59	.53	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49														
6.0	.61	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.55	.49	.45	.43														
7.0	.56	.48	.42	.55	.47	.42	.53	.46	.41	.52	.45	.41	.50	.45	.40	.39														
8.0	.51	.43	.38	.50	.43	.38	.49	.42	.37	.48	.41	.37	.46	.41	.37	.35														
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.31														
10.0	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.34	.30	.29														



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.262	.149	.047	.255	.145	.046	.241	.138	.044	.227	.131	.042	.215	.125	.040	
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038	
3.0	.239	.127	.038	.233	.125	.038	.222	.120	.037	.212	.116	.036	.202	.112	.035	
4.0	.224	.116	.034	.219	.114	.034	.209	.111	.033	.200	.107	.032	.191	.104	.032	
5.0	.210	.107	.031	.205	.105	.031	.196	.102	.030	.188	.099	.030	.181	.096	.029	
6.0	.197	.099	.028	.192	.097	.028	.185	.095	.028	.177	.092	.027	.170	.090	.027	
7.0	.184	.091	.026	.181	.090	.026	.174	.088	.025	.167	.086	.025	.161	.084	.025	
8.0	.174	.085	.024	.170	.084	.024	.164	.082	.023	.158	.080	.023	.152	.078	.023	
9.0	.164	.079	.022	.161	.078	.022	.155	.077	.022	.149	.075	.021	.144	.073	.021	
10.0	.155	.074	.021	.152	.073	.020	.147	.072	.020	.142	.070	.020	.137	.069	.020	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.194	.173	.155	.166	.149	.133	.113	.102	.092	.065	.059	.054	.021	.019	.017	
2.0	.184	.149	.120	.158	.128	.103	.108	.089	.072	.062	.052	.042	.020	.017	.014	
3.0	.175	.131	.096	.150	.113	.083	.103	.079	.058	.060	.046	.034	.019	.015	.011	
4.0	.168	.118	.079	.144	.102	.069	.099	.071	.048	.057	.041	.029	.018	.013	.009	
5.0	.160	.107	.067	.138	.093	.059	.095	.065	.041	.055	.038	.025	.018	.012	.008	
6.0	.154	.098	.059	.132	.085	.051	.091	.060	.036	.053	.035	.022	.017	.011	.007	
7.0	.147	.091	.052	.127	.079	.046	.088	.056	.032	.051	.033	.019	.016	.011	.006	
8.0	.141	.086	.048	.122	.074	.041	.084	.052	.029	.049	.031	.018	.016	.010	.006	
9.0	.136	.081	.044	.117	.070	.038	.081	.049	.027	.047	.029	.016	.015	.010	.005	
10.0	.130	.077	.041	.112	.066	.036	.078	.047	.025	.045	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.5	16.9	15.8	17.1	17.4	15.6	17.0	15.9	17.2	17.4
	3H	16.0	17.3	16.4	17.5	17.8	16.2	17.4	16.5	17.7	18.0
	4H	16.1	17.3	16.4	17.6	17.9	16.3	17.5	16.6	17.8	18.0
	6H	16.1	17.2	16.5	17.5	17.8	16.3	17.4	16.7	17.7	18.1
	8H	16.1	17.2	16.5	17.5	17.8	16.3	17.4	16.7	17.7	18.0
	12H	16.1	17.1	16.5	17.5	17.8	16.3	17.3	16.7	17.7	18.0
4H	2H	15.8	17.0	16.2	17.3	17.6	15.9	17.1	16.2	17.4	17.6
	3H	16.4	17.4	16.8	17.8	18.1	16.6	17.6	16.9	17.9	18.3
	4H	16.5	17.5	16.9	17.8	18.2	16.7	17.6	17.1	18.0	18.4
	6H	16.6	17.4	17.1	17.8	18.2	16.8	17.6	17.2	18.0	18.4
	8H	16.7	17.4	17.1	17.8	18.2	16.9	17.6	17.3	18.0	18.4
	12H	16.7	17.4	17.1	17.8	18.2	16.9	17.6	17.3	18.0	18.4
8H	4H	16.5	17.3	17.0	17.7	18.1	16.7	17.5	17.2	17.9	18.3
	6H	16.7	17.3	17.2	17.8	18.2	16.9	17.5	17.4	17.9	18.4
	8H	16.8	17.3	17.2	17.8	18.3	17.0	17.5	17.5	18.0	18.5
	12H	16.8	17.3	17.3	17.8	18.3	17.0	17.5	17.5	18.0	18.5
12H	4H	16.5	17.2	17.0	17.6	18.1	16.7	17.4	17.1	17.8	18.2
	6H	16.7	17.2	17.2	17.7	18.2	16.9	17.4	17.4	17.9	18.4
	8H	16.8	17.2	17.3	17.7	18.2	17.0	17.4	17.5	17.9	18.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

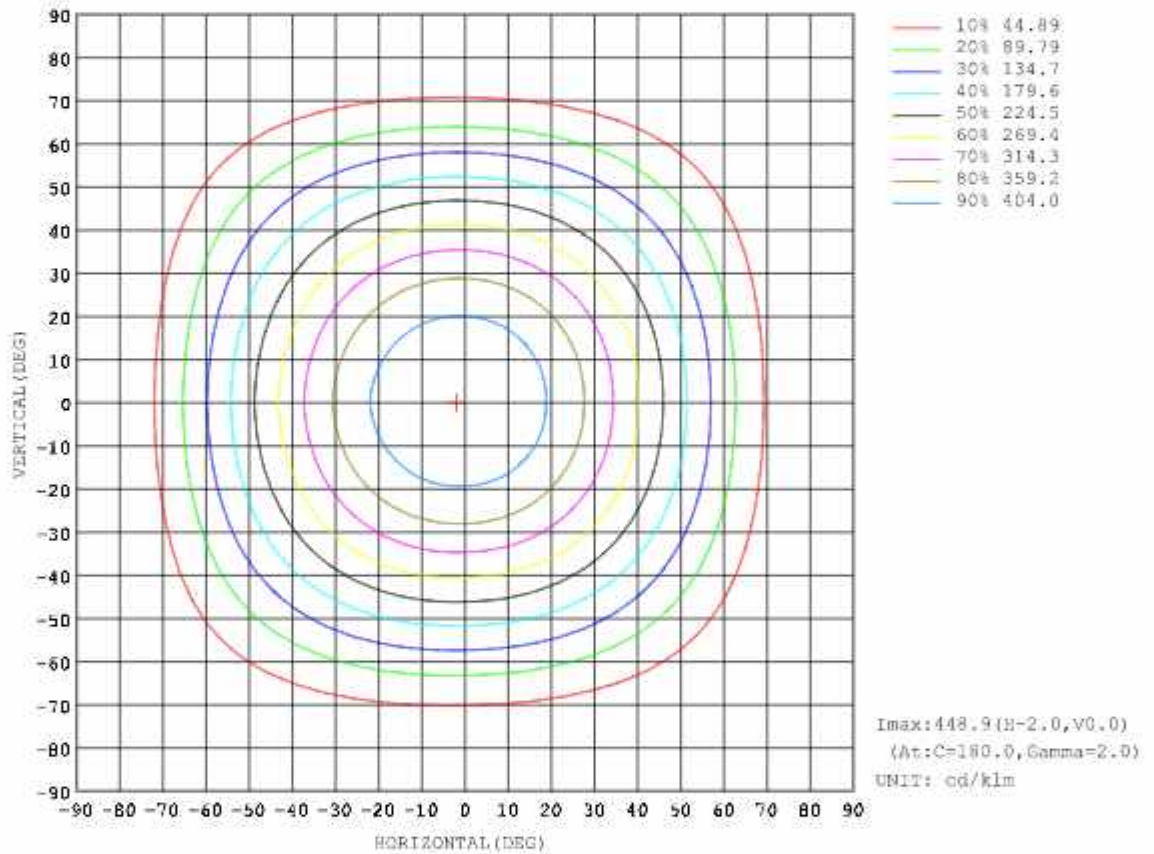
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	62	52	45	61	51	45	60	51	45	39
0.80	72	62	55	71	61	55	70	61	55	48
1.00	81	71	64	80	70	64	77	71	63	57
1.25	88	78	72	86	78	72	83	76	71	64
1.50	92	84	78	90	83	77	87	81	76	69
2.00	98	91	85	96	90	85	93	87	83	75
2.50	102	95	90	99	93	89	96	91	87	78
3.00	104	99	94	102	97	93	98	94	90	82
4.00	108	103	99	105	101	97	101	97	95	86
5.00	110	106	102	107	104	101	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

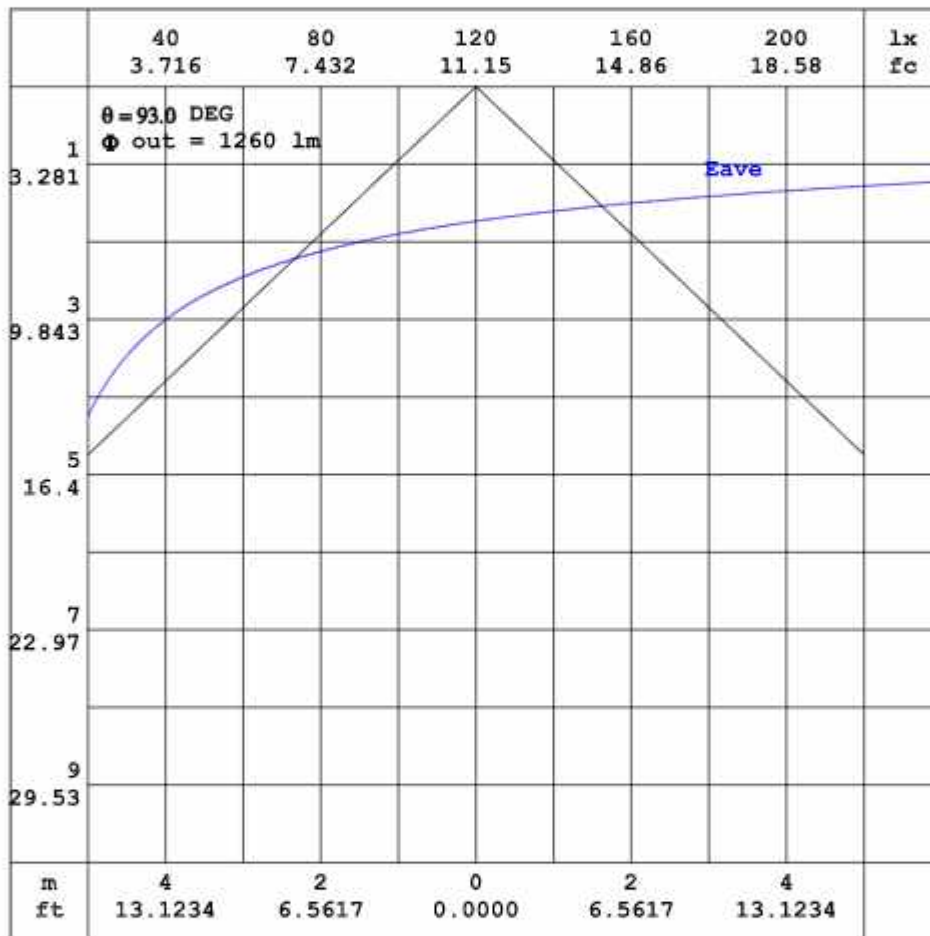


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



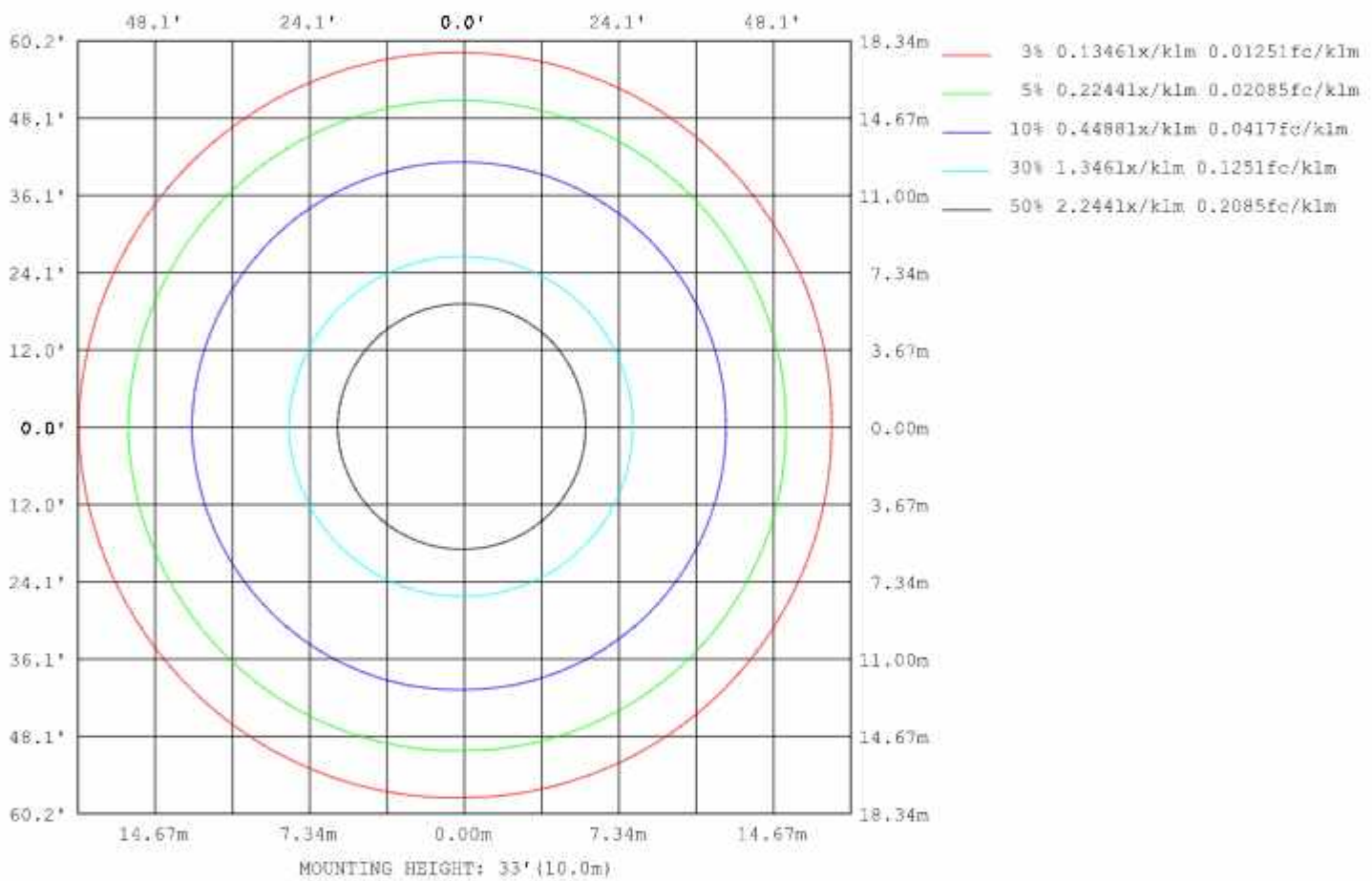
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

NAME: 6寸高照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

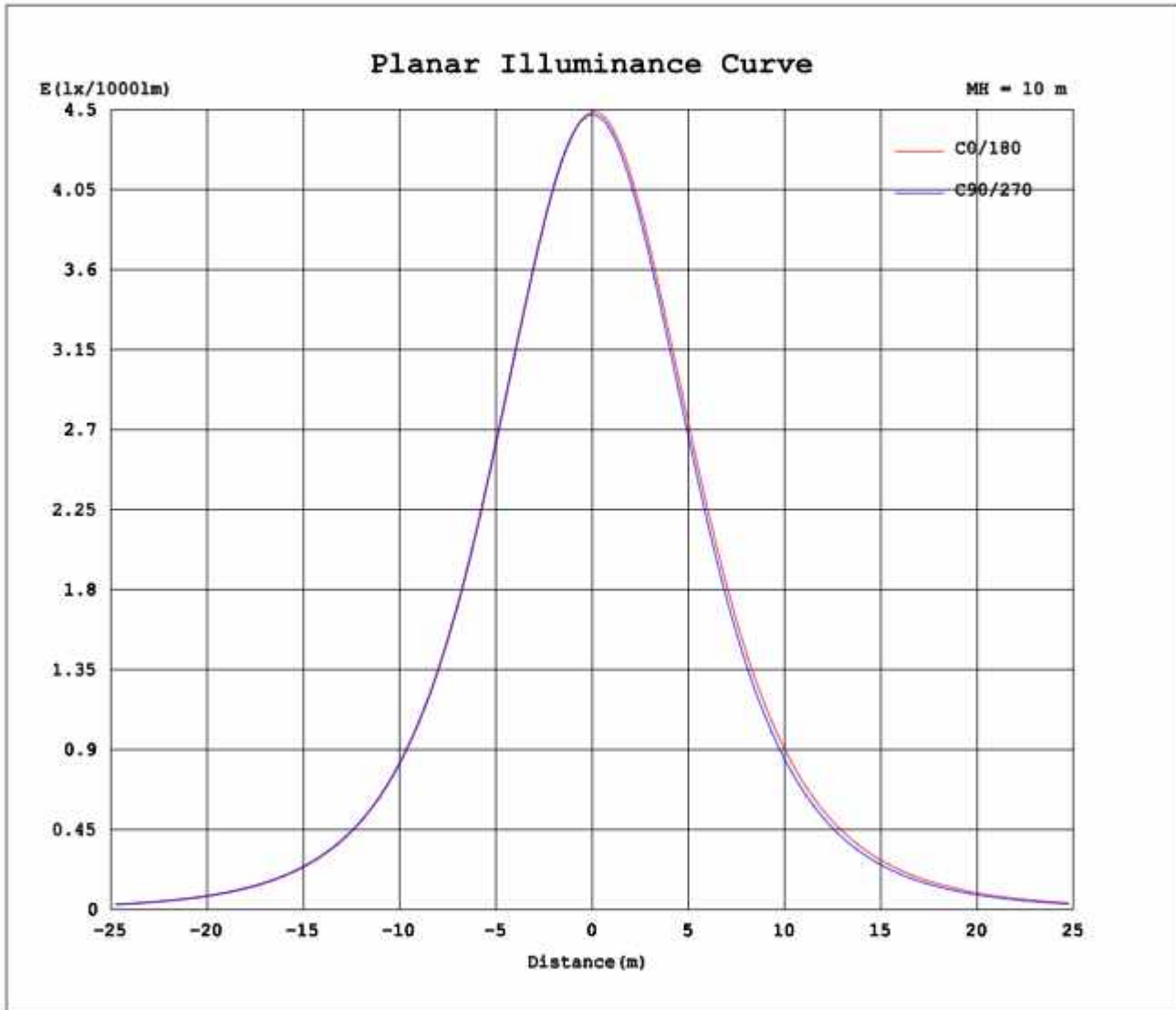


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270																
0	449	447	449	447																
5	444	444	448	445																
10	434	435	441	437																
15	419	421	429	423																
20	399	401	412	404																
25	374	376	390	380																
30	344	346	363	352																
35	309	312	331	317																
40	272	273	294	280																
45	232	233	255	239																
50	191	193	215	199																
55	150	153	174	158																
60	110	114	133	119																
65	72.5	76.9	92.8	82.3																
70	40.6	45.6	57.1	49.3																
75	21.3	24.4	29.7	25.5																
80	12.6	14.1	14.9	13.1																
85	5.58	6.57	7.62	5.89																
90	3.90	3.86	1.71	1.40																
95	3.89	3.85	1.52	1.54																
100	3.89	3.85	1.71	1.71																
105	3.89	3.86	1.91	1.92																
110	3.91	3.88	2.14	2.15																
115	3.96	3.93	2.38	2.39																
120	4.03	4.00	2.62	2.63																
125	4.12	4.07	2.86	2.87																
130	4.22	4.16	3.10	3.12																
135	4.32	4.27	3.35	3.36																
140	4.44	4.39	3.60	3.59																
145	4.57	4.51	3.84	3.85																
150	4.72	4.65	4.09	4.10																
155	4.87	4.82	4.33	4.35																
160	5.02	4.99	4.59	4.60																
165	5.15	5.14	4.83	4.84																
170	5.26	5.26	5.04	5.05																
175	5.32	5.35	5.22	5.21																
180	5.32	5.35	5.34	5.33																

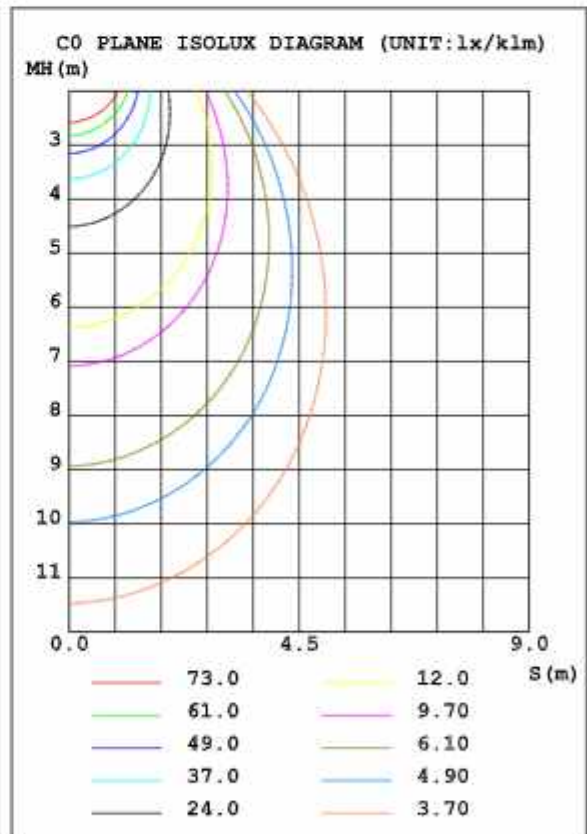
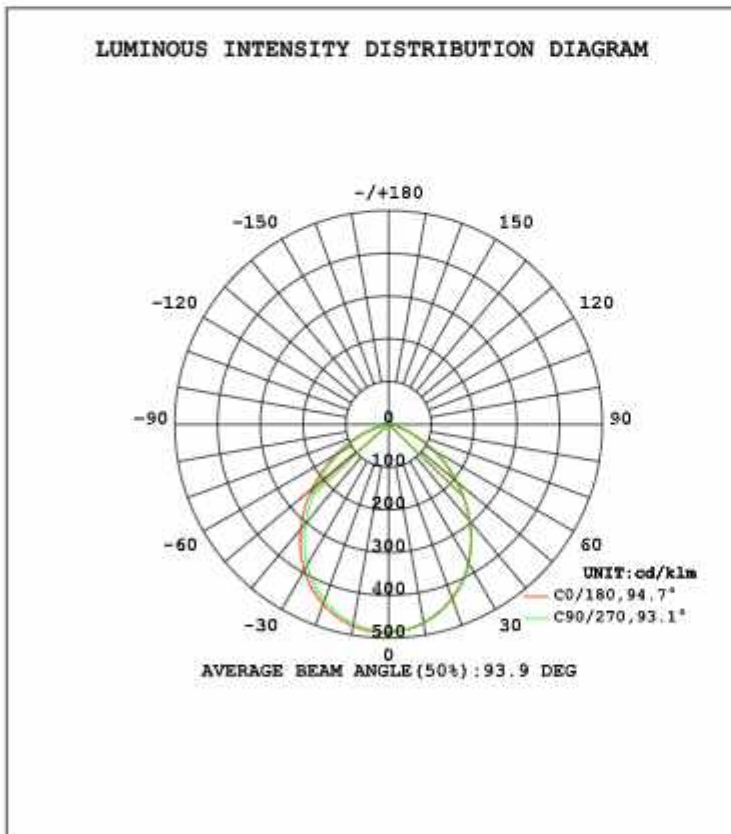
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	487.6	S/MH (C0/180)	1.15
NOMINAL POWER (W)	18	LOR (%)	108.6	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1085.8	$\eta$ UP, DN (C0-180)	1.4, 51.6
NOMINAL FLUX (lm)	1888.86	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 54.6
LAMPS INSIDE	1	$\eta$ up (%)	2.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	106.2	CIBSE SHR MAX	1.30



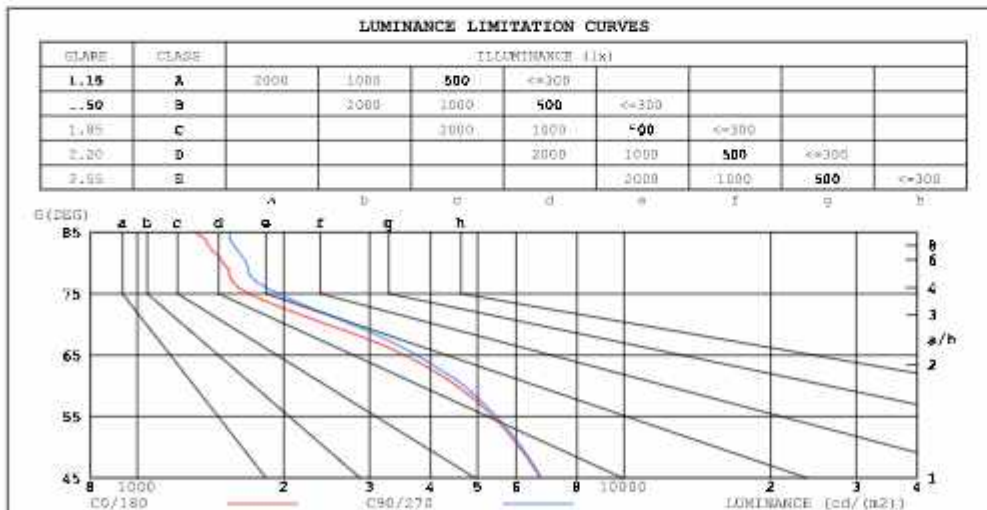
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp	
10	471.4	471.7	479.2	473.7				0- 10	45.82	45.82	4.22, 4.58	
20	433.1	434.9	448.0	438.4				10- 20	129.3	175.1	16.1, 17.5	
30	373.4	376.1	394.7	381.3				20- 30	189.9	365.0	33.6, 36.5	
40	295.0	296.8	320.1	303.2				30- 40	214.9	579.9	53.4, 58	
50	207.2	209.2	233.1	215.1				40- 50	200.6	780.5	71.9, 78.1	
60	119.8	124.1	144.3	129.1				50- 60	153.9	934.4	86.1, 93.4	
70	44.43	49.87	62.33	54.06				60- 70	88.07	1022	94.2, 102	
80	13.74	15.40	16.23	14.26				70- 80	31.28	1054	97, 105	
90	4.232	4.188	1.867	1.490				80- 90	8.316	1062	97.8, 106	
100	4.219	4.172	1.855	1.853				90-100	3.198	1065	98.1, 107	
110	4.244	4.211	2.322	2.327				100-110	3.324	1069	98.4, 107	
120	4.380	4.329	2.842	2.846				110-120	3.405	1072	98.7, 107	
130	4.576	4.514	3.374	3.374				120-130	3.386	1075	99, 108	
140	4.825	4.753	3.902	3.893				130-140	3.208	1079	99.3, 108	
150	5.121	5.049	4.431	4.434				140-150	2.852	1081	99.6, 108	
160	5.444	5.407	4.979	4.978				150-160	2.299	1084	99.8, 108	
170	5.700	5.711	5.473	5.456				160-170	1.526	1085	100, 109	
180	5.779	5.799	5.806	5.772				170-180	0.5419	1086	100, 109	
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm				



LUMINANCE cd / (m2)		
G (DEG)	C0/180	C90/270
85	1309	1552
80	1494	1675
75	1693	1945
70	2454	2754
65	3535	3745
60	4528	4686
55	5370	5462
50	6088	6147
45	6719	6769

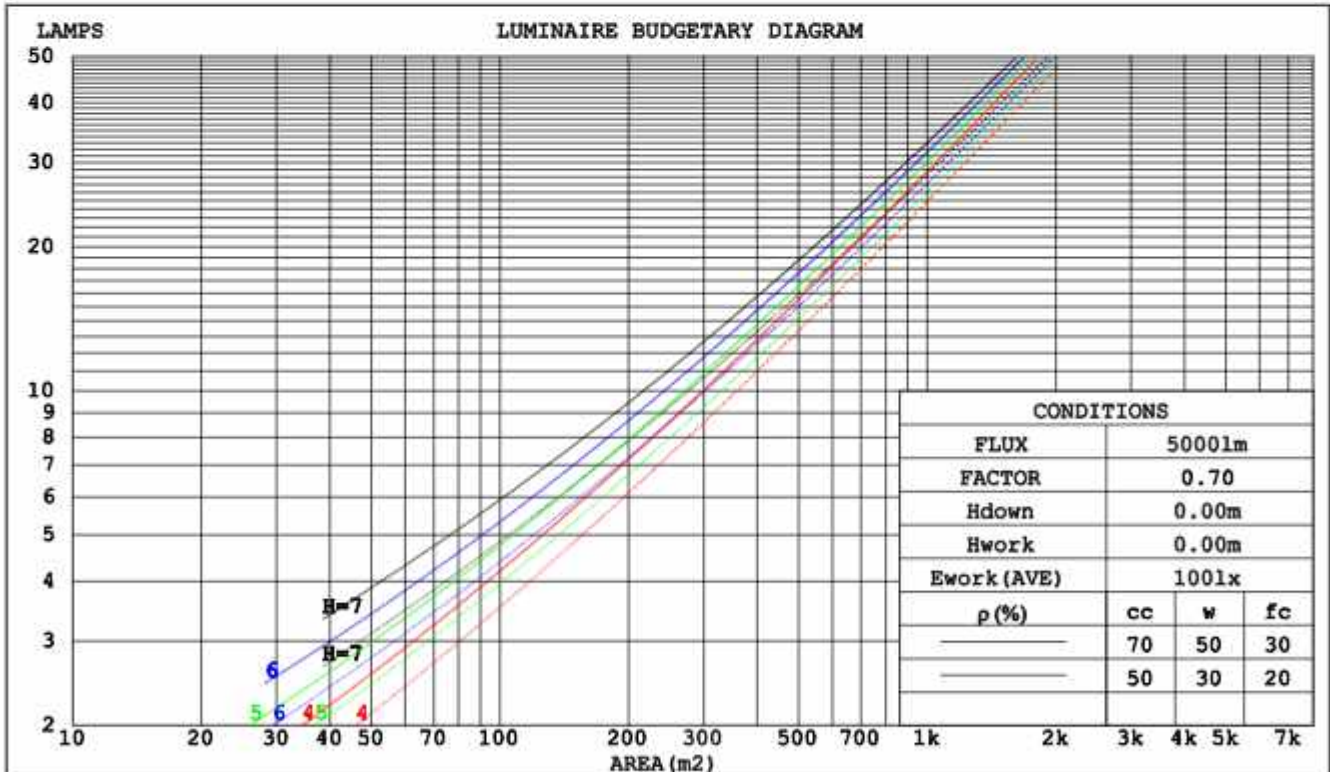
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.29	1.29	1.29	1.25	1.25	1.25	1.19	1.19	1.19	1.14	1.14	1.14	1.09	1.09	1.09	1.06
1.0	1.15	1.11	1.07	1.12	1.09	1.05	1.07	1.04	1.02	1.03	1.00	.98	.98	.97	.95	.93
2.0	1.02	.96	.90	.90	.94	.89	.96	.91	.86	.92	.88	.84	.88	.85	.82	.80
3.0	.91	.83	.77	.89	.82	.76	.86	.79	.74	.82	.77	.73	.79	.75	.71	.69
4.0	.81	.73	.66	.80	.72	.66	.77	.70	.64	.74	.68	.63	.72	.67	.62	.60
5.0	.73	.64	.58	.72	.64	.57	.70	.62	.57	.67	.61	.56	.65	.59	.55	.53
6.0	.66	.57	.51	.65	.57	.51	.63	.56	.50	.61	.55	.50	.59	.54	.49	.47
7.0	.61	.52	.46	.60	.51	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.42
8.0	.56	.47	.41	.55	.46	.41	.53	.46	.40	.52	.45	.40	.50	.44	.40	.38
9.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.48	.41	.36	.47	.40	.36	.34
10.0	.47	.39	.34	.47	.39	.34	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:6.500m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.285	.162	.051	.277	.158	.050	.261	.150	.048	.247	.143	.046	.234	.136	.044	
2.0	.275	.151	.046	.268	.147	.045	.254	.141	.044	.242	.135	.042	.230	.130	.041	
3.0	.259	.138	.041	.253	.135	.041	.241	.131	.040	.230	.126	.039	.220	.122	.038	
4.0	.243	.126	.037	.238	.124	.037	.227	.120	.036	.217	.117	.035	.208	.113	.034	
5.0	.228	.116	.034	.223	.114	.033	.213	.111	.033	.204	.108	.032	.196	.105	.031	
6.0	.213	.107	.031	.209	.106	.030	.200	.103	.030	.192	.100	.029	.185	.097	.029	
7.0	.200	.099	.028	.196	.098	.028	.189	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.188	.092	.026	.185	.091	.026	.178	.089	.025	.171	.087	.025	.165	.085	.025	
9.0	.178	.086	.024	.174	.085	.024	.168	.083	.024	.162	.081	.023	.157	.080	.023	
10.0	.168	.081	.022	.165	.080	.022	.159	.078	.022	.154	.076	.022	.149	.075	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.225	.225	.225	.192	.192	.192	.131	.131	.131	.075	.075	.075	.024	.024	.024	
1.0	.210	.188	.168	.180	.162	.145	.123	.111	.100	.071	.064	.058	.023	.021	.019	
2.0	.200	.162	.130	.171	.139	.112	.117	.096	.078	.068	.056	.046	.022	.018	.015	
3.0	.191	.142	.104	.163	.123	.090	.112	.085	.063	.065	.050	.037	.021	.016	.012	
4.0	.182	.128	.086	.156	.110	.075	.107	.077	.053	.062	.045	.031	.020	.015	.010	
5.0	.174	.116	.073	.150	.100	.064	.103	.070	.045	.060	.041	.027	.019	.013	.009	
6.0	.167	.107	.064	.143	.093	.056	.099	.065	.039	.057	.038	.023	.019	.012	.008	
7.0	.160	.099	.057	.138	.086	.050	.095	.060	.035	.055	.036	.021	.018	.012	.007	
8.0	.153	.093	.052	.132	.081	.045	.091	.057	.032	.053	.033	.019	.017	.011	.006	
9.0	.147	.088	.047	.127	.076	.041	.088	.053	.029	.051	.032	.018	.017	.010	.006	
10.0	.141	.083	.044	.122	.072	.039	.085	.051	.027	.049	.030	.016	.016	.010	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.8	17.2	16.1	17.4	17.7	15.9	17.3	16.2	17.5	17.7
	3H	16.3	17.6	16.7	17.8	18.1	16.5	17.7	16.8	18.0	18.3
	4H	16.4	17.6	16.7	17.9	18.2	16.6	17.8	16.9	18.0	18.3
	6H	16.4	17.5	16.8	17.8	18.1	16.6	17.7	17.0	18.0	18.3
	8H	16.4	17.5	16.8	17.8	18.1	16.6	17.7	17.0	18.0	18.3
	12H	16.4	17.4	16.8	17.7	18.1	16.6	17.6	17.0	18.0	18.3
4H	2H	16.1	17.3	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
	3H	16.7	17.7	17.1	18.1	18.4	16.9	17.9	17.2	18.2	18.6
	4H	16.8	17.8	17.2	18.1	18.5	17.0	17.9	17.4	18.3	18.7
	6H	16.9	17.7	17.4	18.1	18.5	17.1	17.9	17.6	18.3	18.7
	8H	17.0	17.7	17.4	18.1	18.5	17.2	17.9	17.6	18.3	18.7
	12H	17.0	17.7	17.4	18.1	18.5	17.2	17.9	17.6	18.3	18.7
8H	4H	16.8	17.6	17.3	18.0	18.4	17.0	17.8	17.5	18.2	18.6
	6H	17.0	17.6	17.5	18.1	18.5	17.2	17.8	17.7	18.2	18.7
	8H	17.1	17.6	17.6	18.1	18.6	17.3	17.8	17.8	18.3	18.8
	12H	17.1	17.6	17.6	18.1	18.6	17.3	17.8	17.8	18.3	18.8
12H	4H	16.8	17.5	17.3	17.9	18.4	17.0	17.7	17.4	18.1	18.5
	6H	17.0	17.5	17.5	18.0	18.5	17.2	17.7	17.7	18.2	18.7
	8H	17.1	17.5	17.6	18.0	18.5	17.3	17.7	17.8	18.2	18.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	56	49	67	56	49	65	55	49	42
0.80	79	67	60	78	67	60	76	66	59	52
1.00	88	77	70	86	76	70	84	77	69	62
1.25	95	85	78	93	84	78	90	83	77	69
1.50	100	91	84	98	90	84	95	88	82	75
2.00	107	99	93	105	97	92	101	95	90	82
2.50	110	103	97	108	101	96	104	98	94	85
3.00	113	107	102	111	105	101	107	102	98	89
4.00	117	112	108	114	110	106	110	106	103	93
5.00	119	115	111	117	113	109	111	108	105	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

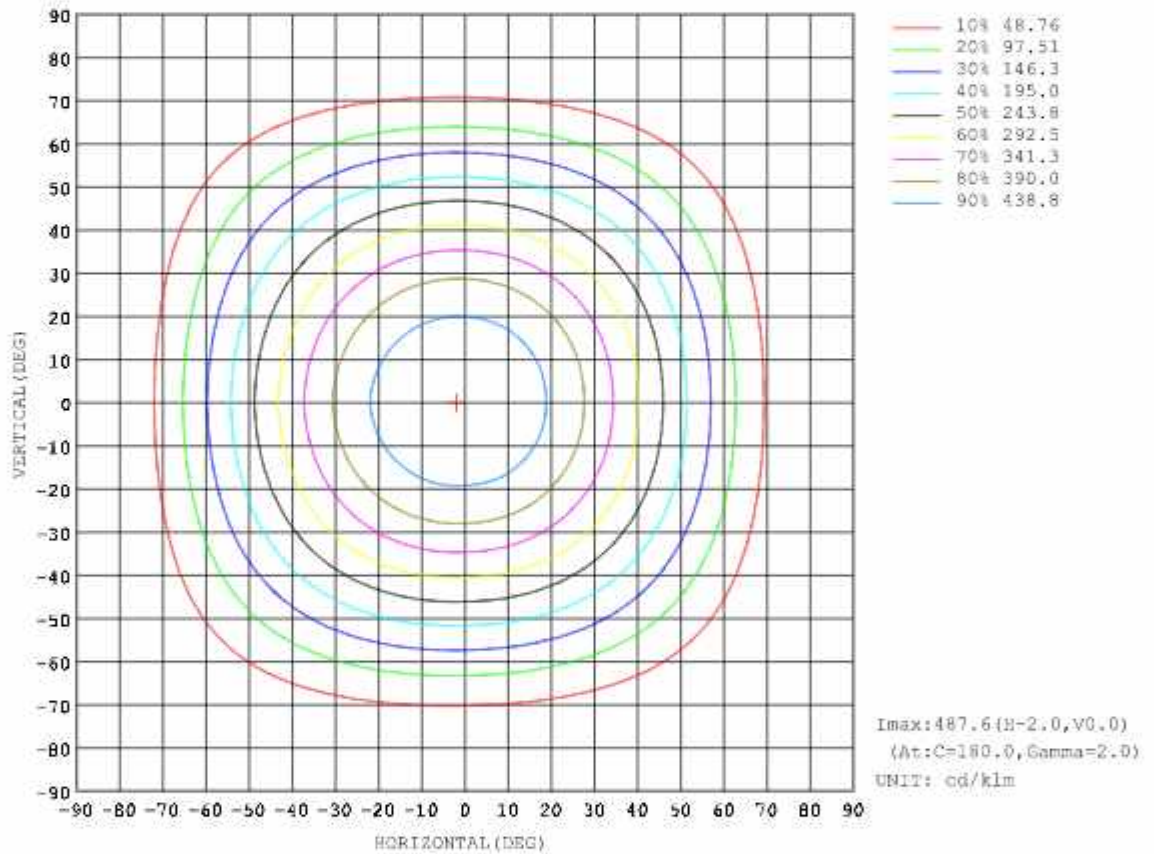
C Range: 0 - 360DEG  
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 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

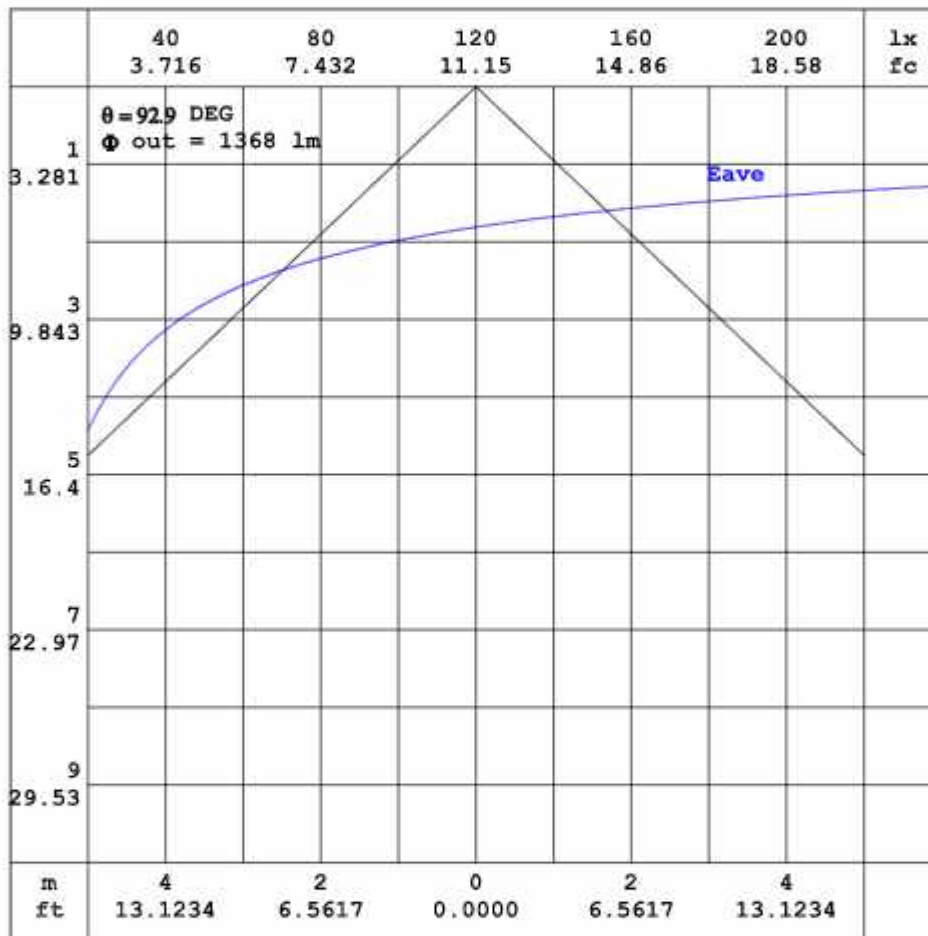


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



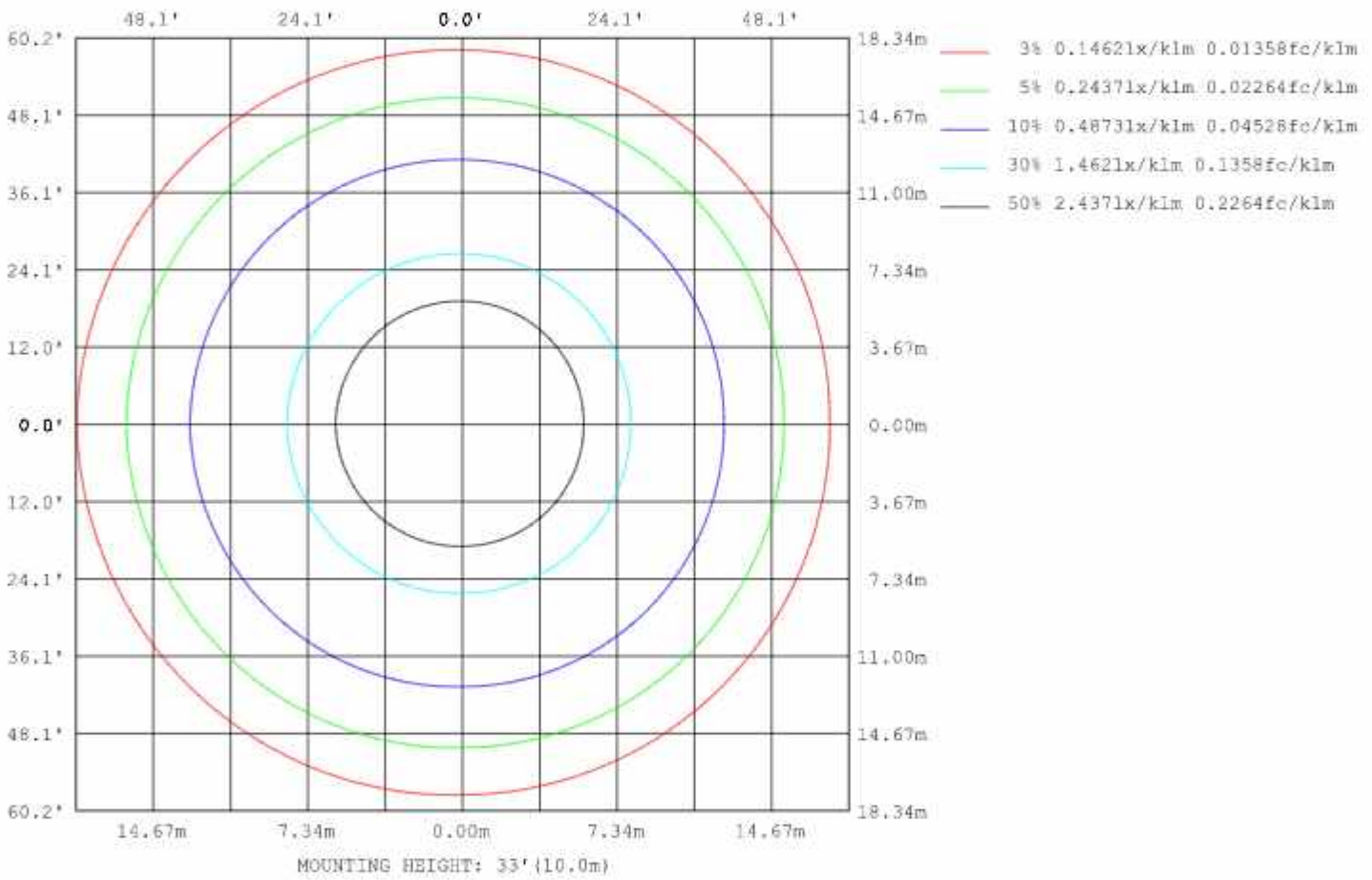
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

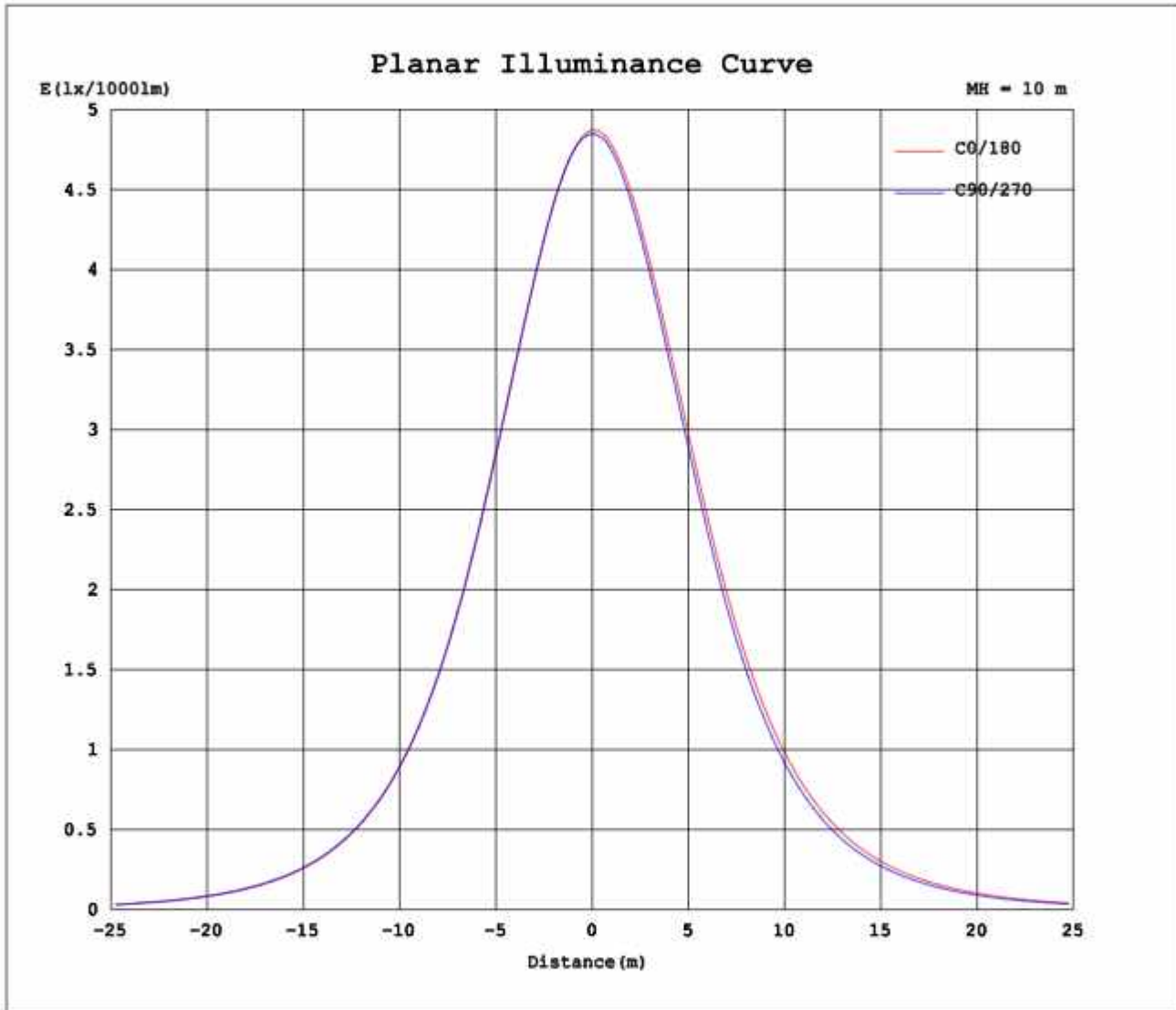
NAME: 6寸高照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) \ y (DEG)	0	90	180	270															
0	487	485	487	485															
5	482	481	486	482															
10	471	472	479	474															
15	455	456	466	459															
20	433	435	448	438															
25	406	409	424	413															
30	373	376	395	381															
35	336	338	359	344															
40	295	297	320	303															
45	252	253	277	259															
50	207	209	233	215															
55	163	166	188	171															
60	120	124	144	129															
65	79.1	83.8	101	89.3															
70	44.4	49.9	62.3	54.1															
75	23.2	26.6	32.4	27.8															
80	13.7	15.4	16.2	14.3															
85	6.04	7.16	8.30	6.33															
90	4.23	4.19	1.87	1.49															
95	4.22	4.17	1.65	1.65															
100	4.22	4.17	1.86	1.85															
105	4.22	4.18	2.08	2.08															
110	4.24	4.21	2.32	2.33															
115	4.30	4.26	2.58	2.59															
120	4.38	4.33	2.84	2.85															
125	4.47	4.41	3.11	3.11															
130	4.58	4.51	3.37	3.37															
135	4.69	4.63	3.63	3.63															
140	4.82	4.75	3.90	3.89															
145	4.96	4.89	4.17	4.16															
150	5.12	5.05	4.43	4.43															
155	5.28	5.22	4.70	4.70															
160	5.44	5.41	4.98	4.98															
165	5.59	5.58	5.23	5.24															
170	5.70	5.71	5.47	5.46															
175	5.78	5.81	5.66	5.64															
180	5.78	5.80	5.81	5.77															

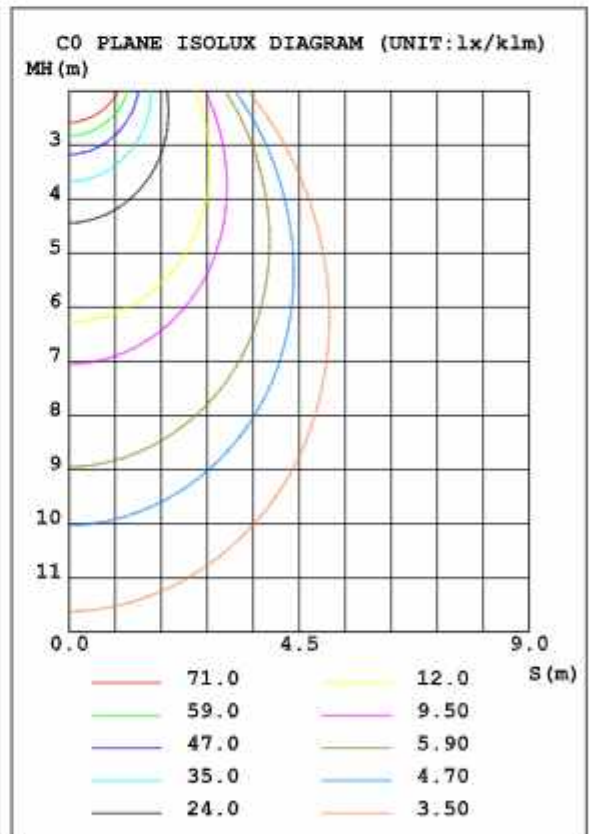
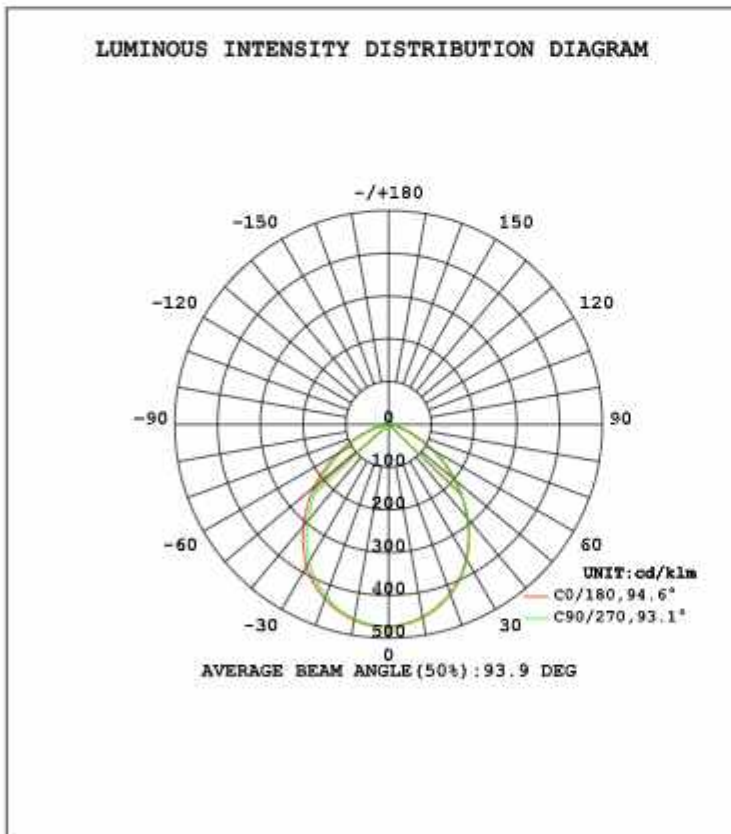
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

y Range: 0 - 180DEG  
 y Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	473.4	S/MH (C0/180)	1.15
NOMINAL POWER (W)	18	LOR (%)	105.6	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1056.0	$\eta$ UP, DN (C0-180)	1.4, 50.2
NOMINAL FLUX (lm)	2050.9	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 53.2
LAMPS INSIDE	1	$\eta$ up (%)	2.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	103.3	CIBSE SHR MAX	1.30



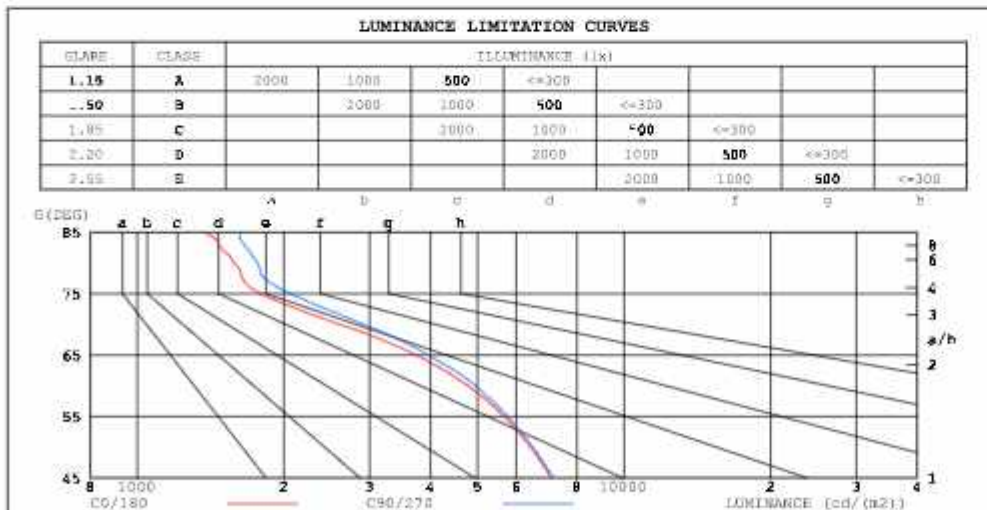
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	%lum, lamp	
10	457.8	459.6	465.2	461.7				0- 10	44.57	44.57	4.22, 4.46	
20	420.6	424.0	434.8	427.6				10- 20	125.8	170.4	16.1, 17	
30	362.7	366.4	383.2	371.8				20- 30	184.0	355.2	33.6, 35.5	
40	286.5	289.0	310.6	295.6				30- 40	209.1	564.3	53.4, 56.4	
50	201.2	203.6	225.9	209.6				40- 50	195.0	759.2	71.9, 75.9	
60	116.5	120.6	139.6	125.8				50- 60	149.5	908.7	86.1, 90.9	
70	43.35	48.67	60.47	53.01				60- 70	85.76	994.5	94.2, 99.4	
80	13.34	14.95	15.70	13.94				70- 80	30.49	1025	97.1, 102	
90	4.083	4.058	1.786	1.440				80- 90	8.064	1033	97.8, 103	
100	4.063	4.046	1.767	1.796				90-100	3.086	1036	98.1, 104	
110	4.092	4.083	2.223	2.257				100-110	3.208	1039	98.4, 104	
120	4.221	4.198	2.721	2.761				110-120	3.289	1043	98.7, 104	
130	4.416	4.380	3.241	3.279				120-130	3.273	1046	99, 105	
140	4.661	4.613	3.757	3.790				130-140	3.105	1049	99.3, 105	
150	4.947	4.899	4.267	4.313				140-150	2.761	1052	99.6, 105	
160	5.271	5.247	4.797	4.842				150-160	2.226	1054	99.8, 105	
170	5.514	5.537	5.289	5.308				160-170	1.478	1055	100, 106	
180	5.602	5.619	5.599	5.615				170-180	0.5252	1056	100, 106	
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm				



LUMINANCE cd / (m²)		
θ (DEG)	C0/180	C90/270
85	3372	1631
80	1575	1766
75	1790	2059
70	2600	2819
65	3741	3961
60	4779	4947
55	5664	5768
50	6420	6495
45	7084	7150

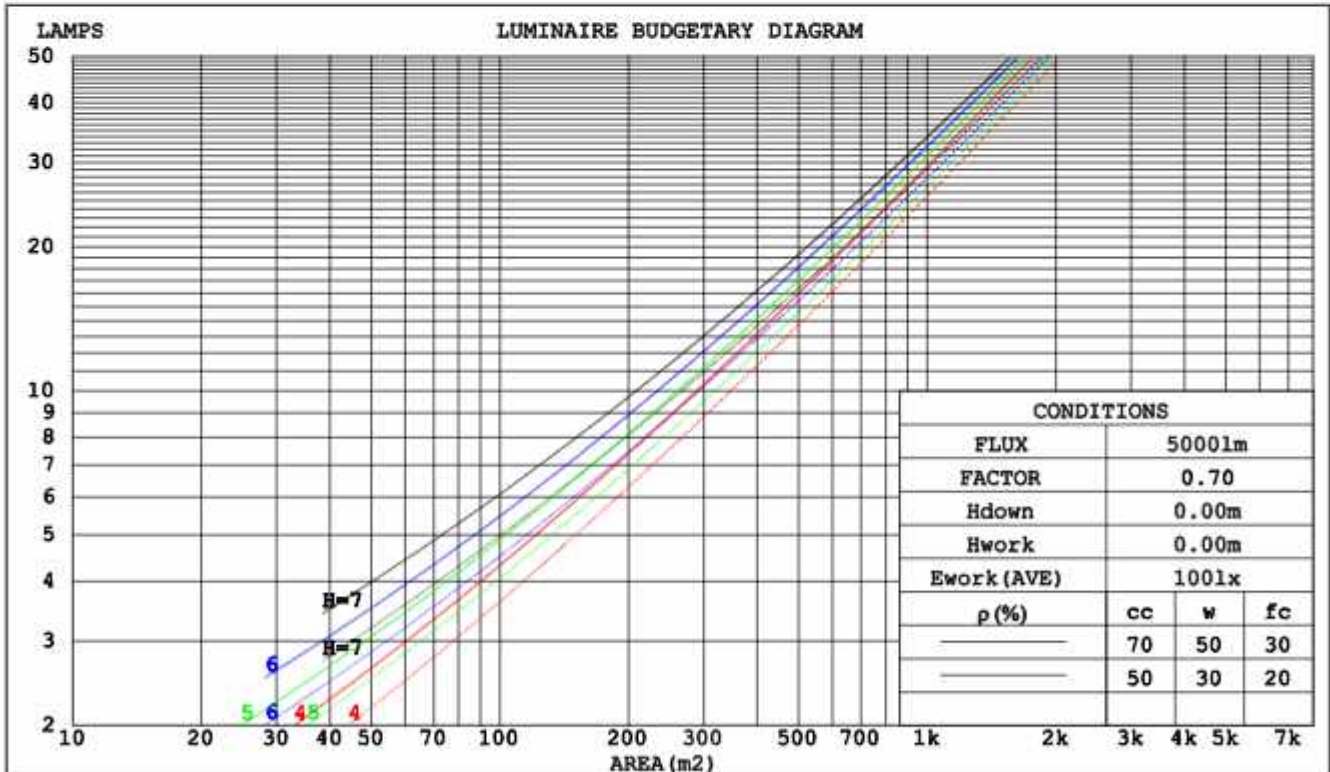
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.25	1.25	1.25	1.22	1.22	1.22	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.03
1.0	1.12	1.08	1.04	1.09	1.06	1.03	1.04	1.01	.99	.00	.98	.95	.96	.94	.92	.90
2.0	.99	.93	.88	.97	.91	.86	.93	.88	.84	.89	.85	.82	.86	.83	.80	.78
3.0	.88	.81	.75	.87	.79	.74	.83	.77	.72	.80	.75	.71	.77	.73	.69	.67
4.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.70	.65	.61	.58
5.0	.71	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
6.0	.65	.56	.50	.64	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
7.0	.59	.50	.44	.58	.50	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.41
8.0	.54	.46	.40	.53	.45	.40	.52	.44	.39	.50	.44	.39	.49	.43	.39	.37
9.0	.50	.42	.36	.49	.41	.36	.48	.41	.36	.46	.40	.35	.45	.39	.35	.33
10.0	.46	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.30



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:



## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.277	.158	.050	.269	.154	.049	.254	.146	.047	.240	.139	.044	.228	.132	.043	
2.0	.267	.146	.045	.260	.143	.044	.247	.137	.043	.235	.132	.041	.224	.127	.040	
3.0	.252	.134	.040	.246	.132	.040	.234	.127	.039	.224	.123	.038	.214	.118	.037	
4.0	.237	.123	.036	.231	.121	.036	.221	.117	.035	.211	.113	.034	.202	.110	.033	
5.0	.221	.113	.033	.217	.111	.032	.207	.108	.032	.199	.105	.031	.191	.102	.031	
6.0	.208	.104	.030	.203	.103	.030	.195	.100	.029	.187	.097	.029	.180	.095	.028	
7.0	.195	.096	.027	.191	.095	.027	.183	.093	.027	.177	.090	.026	.170	.088	.026	
8.0	.183	.090	.025	.180	.089	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.219	.219	.219	.187	.187	.187	.128	.128	.128	.073	.073	.073	.023	.023	.023	
1.0	.205	.183	.163	.175	.157	.141	.120	.108	.097	.069	.063	.057	.022	.020	.018	
2.0	.194	.157	.126	.166	.135	.109	.114	.094	.076	.066	.054	.045	.021	.018	.015	
3.0	.185	.138	.101	.159	.119	.088	.109	.083	.061	.063	.048	.036	.020	.016	.012	
4.0	.177	.124	.083	.152	.107	.073	.104	.075	.051	.060	.044	.030	.019	.014	.010	
5.0	.169	.113	.071	.145	.098	.062	.100	.068	.044	.058	.040	.026	.019	.013	.009	
6.0	.162	.104	.062	.139	.090	.054	.096	.063	.038	.056	.037	.023	.018	.012	.007	
7.0	.155	.096	.055	.134	.084	.048	.092	.059	.034	.054	.035	.020	.017	.011	.007	
8.0	.149	.090	.050	.128	.078	.044	.089	.055	.031	.052	.032	.018	.017	.011	.006	
9.0	.143	.085	.046	.123	.074	.040	.085	.052	.029	.050	.031	.017	.016	.010	.006	
10.0	.137	.081	.043	.118	.070	.037	.082	.049	.027	.048	.029	.016	.016	.010	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.7	17.1	16.0	17.3	17.6	15.8	17.2	16.1	17.4	17.6
	3H	16.2	17.5	16.6	17.7	18.0	16.4	17.6	16.7	17.9	18.2
	4H	16.3	17.5	16.6	17.8	18.1	16.5	17.7	16.8	18.0	18.3
	6H	16.3	17.4	16.7	17.7	18.0	16.5	17.6	16.9	17.9	18.3
	8H	16.3	17.4	16.7	17.7	18.0	16.5	17.6	16.9	17.9	18.2
	12H	16.3	17.3	16.7	17.7	18.0	16.5	17.6	16.9	17.9	18.2
4H	2H	16.0	17.2	16.4	17.5	17.8	16.1	17.3	16.4	17.6	17.8
	3H	16.6	17.6	17.0	18.0	18.3	16.8	17.8	17.2	18.1	18.5
	4H	16.8	17.7	17.2	18.0	18.4	16.9	17.9	17.3	18.2	18.6
	6H	16.8	17.6	17.3	18.0	18.4	17.0	17.9	17.5	18.2	18.6
	8H	16.9	17.6	17.3	18.0	18.4	17.1	17.8	17.5	18.2	18.7
	12H	16.9	17.6	17.3	18.0	18.4	17.1	17.8	17.5	18.2	18.6
8H	4H	16.7	17.5	17.2	17.9	18.3	16.9	17.7	17.4	18.1	18.5
	6H	16.9	17.5	17.4	18.0	18.4	17.1	17.7	17.6	18.2	18.6
	8H	17.0	17.5	17.5	18.0	18.5	17.2	17.7	17.7	18.2	18.7
	12H	17.0	17.5	17.5	18.0	18.5	17.2	17.7	17.7	18.2	18.7
12H	4H	16.7	17.4	17.2	17.8	18.3	16.9	17.6	17.4	18.0	18.5
	6H	16.9	17.4	17.4	17.9	18.4	17.1	17.6	17.6	18.1	18.6
	8H	17.0	17.4	17.5	17.9	18.4	17.2	17.6	17.7	18.1	18.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.5 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

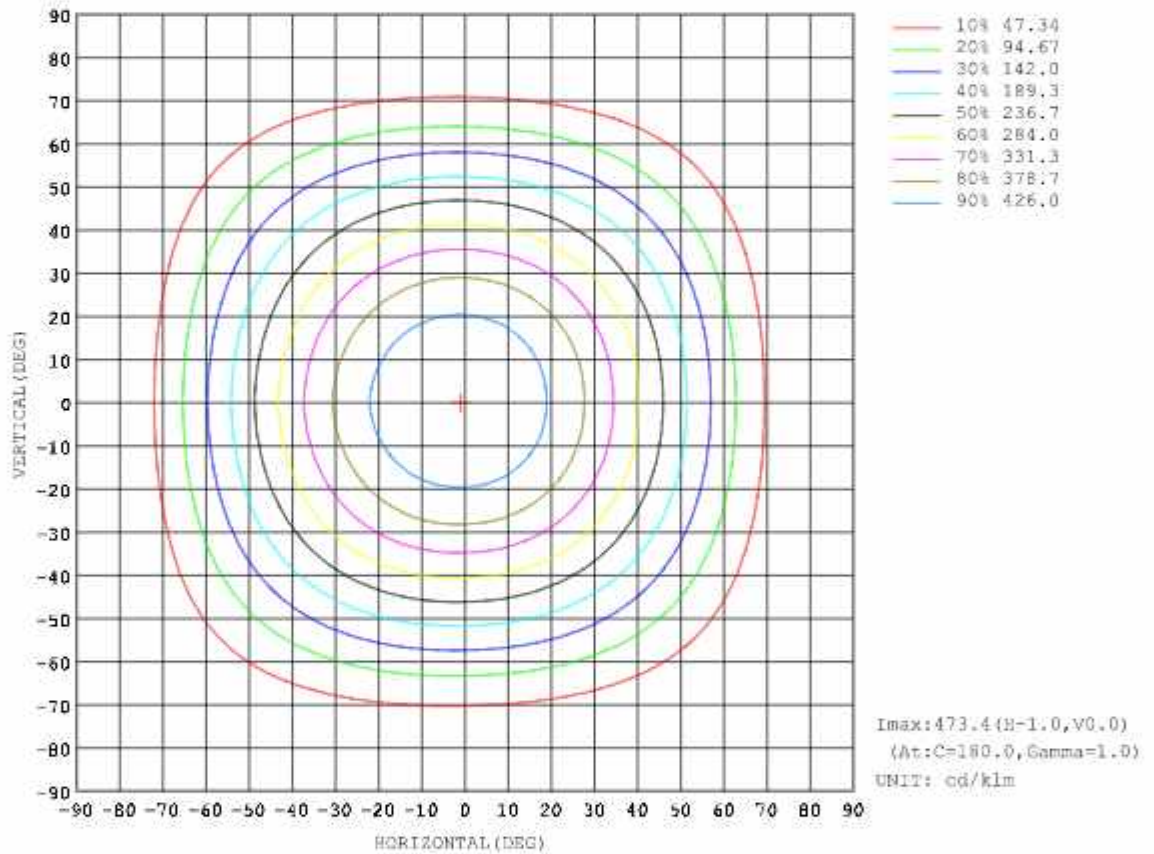
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	54	48	65	54	48	64	54	47	41
0.80	76	65	58	75	65	58	73	64	58	51
1.00	85	75	68	84	74	68	82	75	67	60
1.25	92	83	76	91	82	76	88	80	75	68
1.50	97	88	82	96	87	81	92	85	80	73
2.00	104	96	90	102	95	89	98	92	87	80
2.50	107	100	95	105	99	94	101	96	91	83
3.00	110	104	99	108	102	98	104	99	95	86
4.00	114	109	105	111	107	103	107	103	100	90
5.00	116	112	108	113	109	106	108	105	103	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

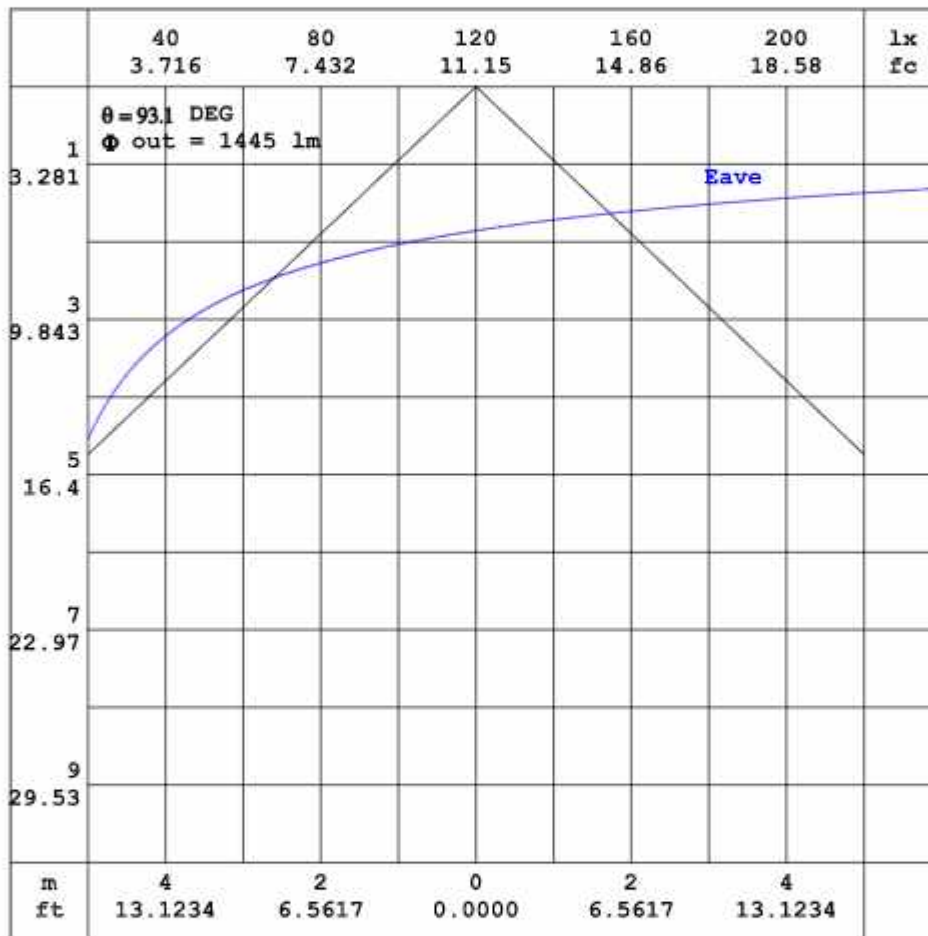


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



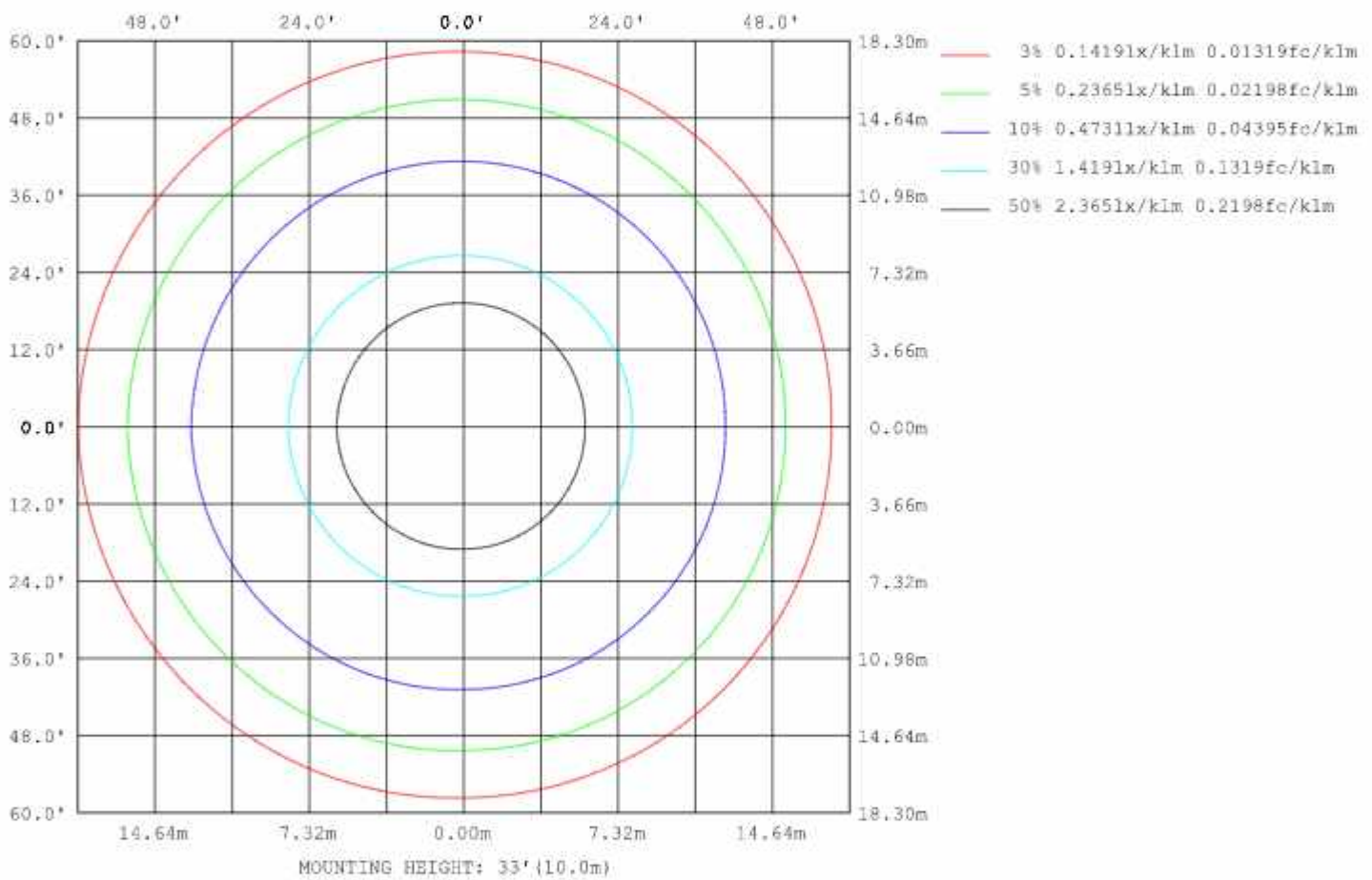
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

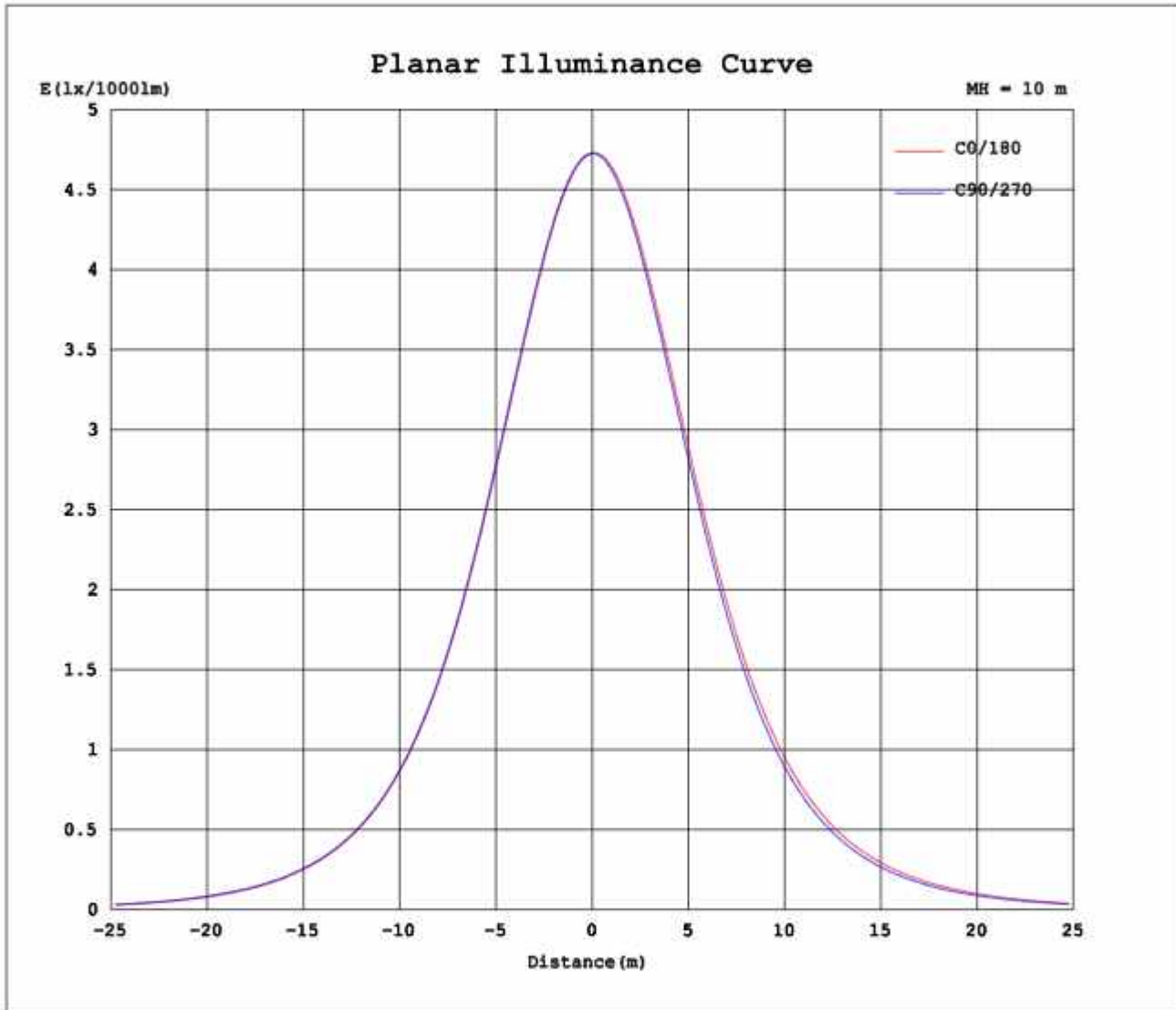
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) \ y (DEG)	0	90	180	270																
0	473	473	473	473																
5	468	469	472	470																
10	458	460	465	462																
15	442	445	453	447																
20	421	424	435	428																
25	395	398	412	403																
30	363	366	383	372																
35	326	329	349	335																
40	287	289	311	296																
45	244	247	269	253																
50	201	204	226	210																
55	158	161	182	167																
60	117	121	140	126																
65	77.1	81.6	98.2	87.2																
70	43.4	48.7	60.5	53.0																
75	22.6	26.0	31.5	27.2																
80	13.3	15.0	15.7	13.9																
85	5.83	6.93	8.03	6.20																
90	4.08	4.06	1.79	1.44																
95	4.07	4.05	1.57	1.60																
100	4.06	4.05	1.77	1.80																
105	4.06	4.05	1.99	2.01																
110	4.09	4.08	2.22	2.26																
115	4.15	4.13	2.47	2.51																
120	4.22	4.20	2.72	2.76																
125	4.32	4.28	2.98	3.02																
130	4.42	4.38	3.24	3.28																
135	4.53	4.49	3.50	3.53																
140	4.66	4.61	3.76	3.79																
145	4.80	4.75	4.01	4.05																
150	4.95	4.90	4.27	4.31																
155	5.11	5.07	4.53	4.58																
160	5.27	5.23	4.80	4.84																
165	5.40	5.41	5.05	5.09																
170	5.51	5.54	5.29	5.31																
175	5.60	5.63	5.47	5.49																
180	5.60	5.62	5.60	5.62																

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

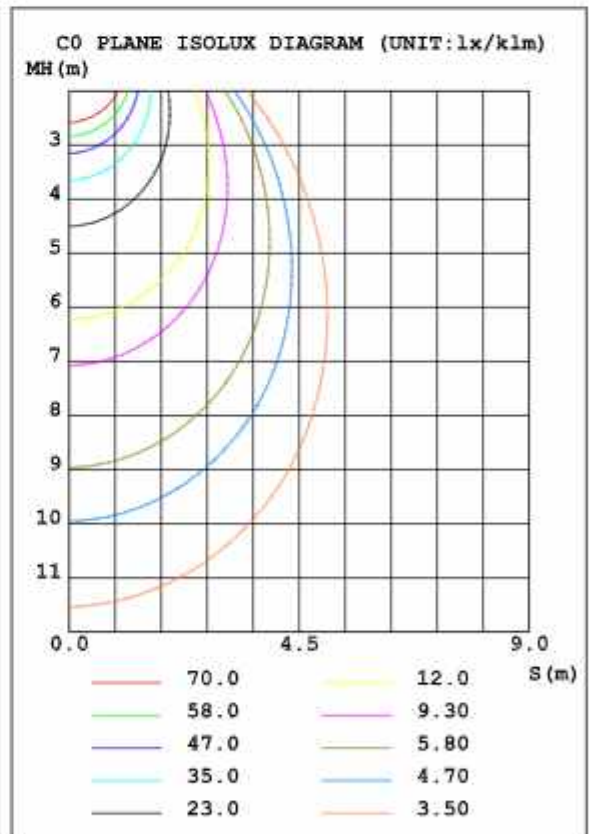
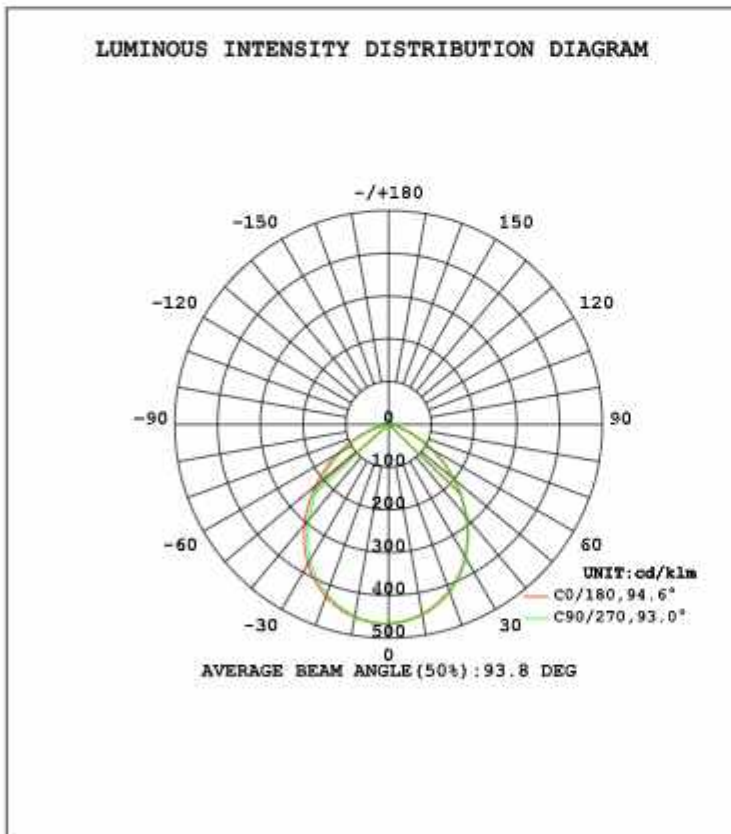
y Range: 0 - 180DEG  
 y Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.38 lm/W			
MODEL	6LMCT22LR05	I <sub>max</sub> (cd/klm)	466.2	S/MH (C0/180)	1.15
NOMINAL POWER (W)	18	LOR (%)	104.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1040.3	η UP, DN (C0-180)	1.4, 49.4
NOMINAL FLUX (lm)	2165.77	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.9, 52.3
LAMPS INSIDE	1	η up (%)	2.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	η down (%)	101.8	CIBSE SHR MAX	1.30



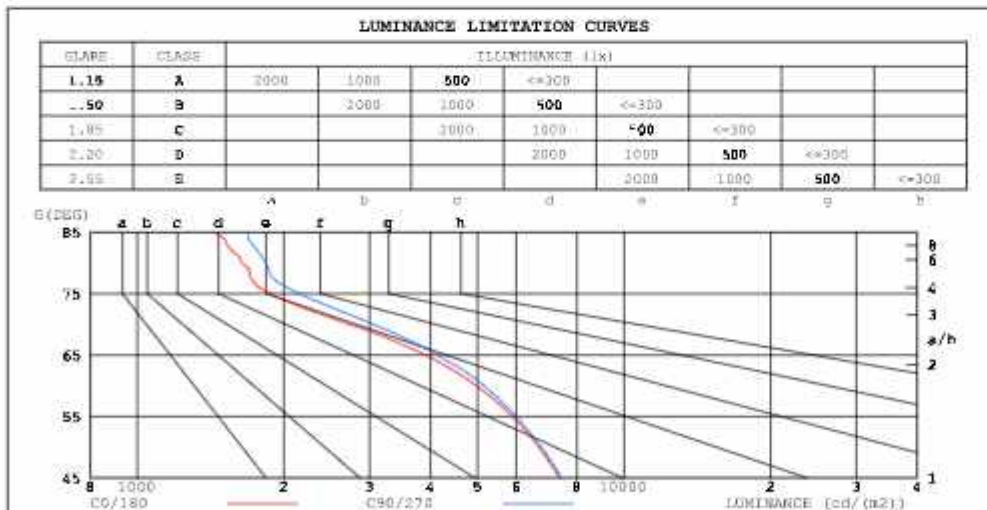
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp	
10	450.8	453.0	458.2	455.0				0- 10	43.91	43.91	4.22, 4.39	
20	414.4	417.9	428.6	421.4				10- 20	124.0	167.9	16.1, 16.8	
30	357.5	361.2	377.5	366.6				20- 30	182.1	349.9	33.6, 35	
40	282.1	284.8	305.8	291.0				30- 40	206.0	556.0	53.4, 55.6	
50	198.2	200.4	222.1	206.3				40- 50	192.0	747.9	71.9, 74.8	
60	114.8	118.9	137.3	123.9				50- 60	147.1	895.1	86, 89.5	
70	42.99	48.23	59.54	52.40				60- 70	84.57	979.6	94.2, 98	
80	13.16	14.76	15.48	13.74				70- 80	30.15	1010	97.1, 101	
90	4.026	3.985	1.757	1.403				80- 90	7.942	1018	97.8, 102	
100	3.997	3.974	1.743	1.751				90-100	3.034	1021	98.1, 102	
110	4.028	4.008	2.190	2.208				100-110	3.154	1024	98.4, 102	
120	4.157	4.122	2.688	2.706				110-120	3.233	1027	98.7, 103	
130	4.348	4.299	3.192	3.216				120-130	3.218	1030	99, 103	
140	4.583	4.531	3.696	3.721				130-140	3.052	1033	99.3, 103	
150	4.868	4.813	4.203	4.237				140-150	2.714	1036	99.6, 104	
160	5.187	5.159	4.718	4.767				150-160	2.189	1038	99.8, 104	
170	5.431	5.441	5.187	5.219				160-170	1.453	1040	100, 104	
180	5.499	5.527	5.496	5.519				170-180	0.5160	1040	100, 104	
DEG	LUMINOUS INTENSITY: cd/klm							UNIT: lm/klm				



LUMINANCE cd / (m2)		
G (DEG)	C0/180	C90/270
85	1431	1696
80	1641	1840
75	1872	2151
70	2722	3094
65	3904	4132
60	4975	5149
55	5892	5999
50	6671	6752
45	7363	7439

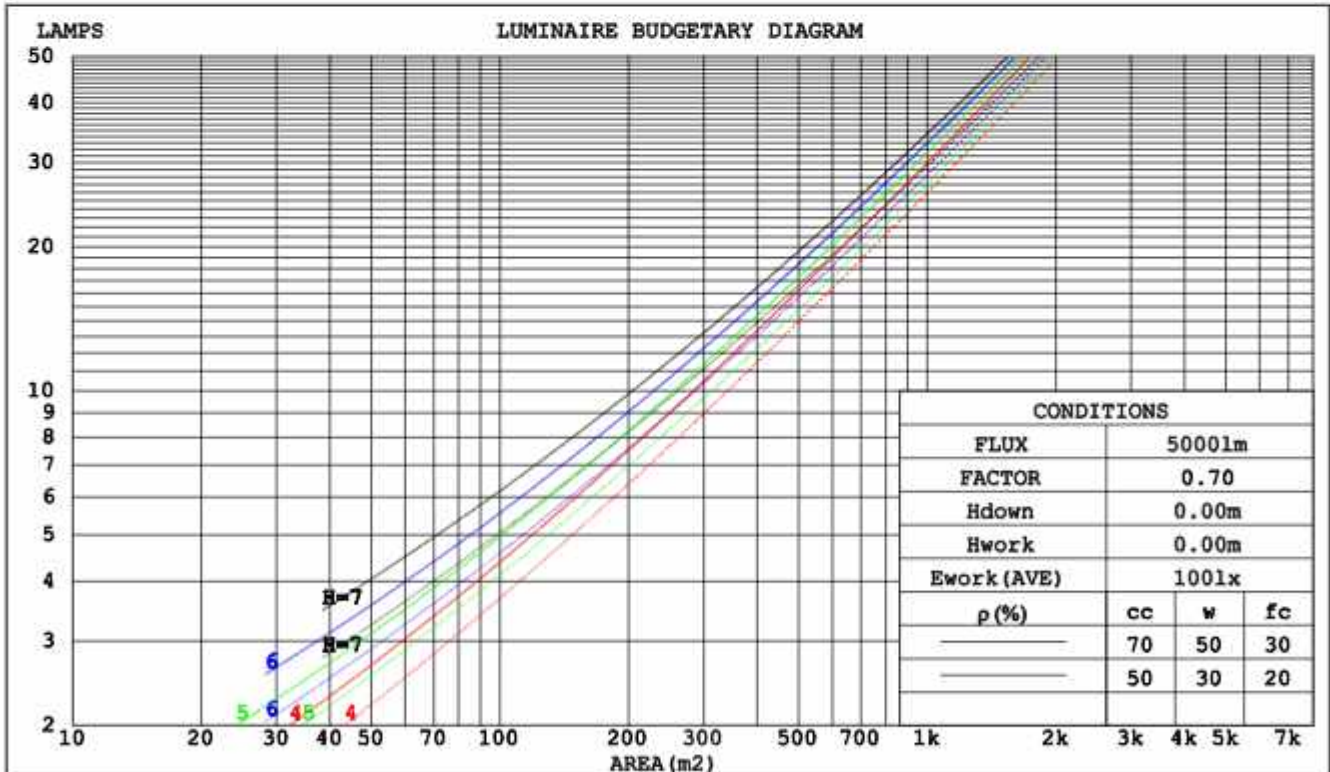
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw	0															
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)															
0.0	1.23	1.23	1.23	1.20	1.20	1.20	1.14	1.14	1.14	1.09	1.09	1.09	1.04	1.04	1.04	1.02
1.0	1.10	1.06	1.03	1.08	1.04	1.01	1.03	.90	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.98	.92	.86	.96	.90	.85	.92	.87	.83	.88	.84	.81	.85	.81	.79	.76
3.0	.87	.79	.73	.85	.78	.73	.82	.76	.71	.79	.74	.70	.76	.72	.68	.66
4.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.61	.69	.64	.60	.58
5.0	.70	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.64	.55	.49	.63	.55	.49	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
7.0	.58	.50	.44	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
8.0	.53	.45	.39	.52	.45	.39	.51	.44	.39	.49	.43	.38	.48	.42	.38	.36
9.0	.49	.41	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.33
10.0	.45	.38	.32	.45	.37	.32	.44	.37	.32	.43	.36	.32	.41	.36	.32	.30



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.273	.155	.049	.265	.151	.048	.250	.144	.046	.237	.137	.044	.224	.130	.042	
2.0	.263	.144	.044	.256	.141	.044	.243	.135	.042	.231	.130	.041	.220	.125	.039	
3.0	.249	.132	.040	.242	.130	.039	.231	.125	.038	.220	.121	.037	.210	.117	.036	
4.0	.233	.121	.036	.228	.119	.035	.217	.115	.034	.208	.112	.034	.199	.108	.033	
5.0	.218	.111	.032	.213	.110	.032	.204	.106	.031	.196	.103	.031	.188	.100	.030	
6.0	.204	.102	.029	.200	.101	.029	.192	.098	.029	.184	.096	.028	.177	.093	.028	
7.0	.192	.095	.027	.188	.094	.027	.181	.091	.026	.174	.089	.026	.167	.087	.026	
8.0	.181	.088	.025	.177	.087	.025	.170	.085	.024	.164	.083	.024	.158	.081	.024	
9.0	.170	.082	.023	.167	.081	.023	.161	.080	.023	.155	.078	.022	.150	.076	.022	
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.147	.073	.021	.143	.072	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.215	.215	.215	.184	.184	.184	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.202	.180	.161	.172	.155	.139	.118	.106	.096	.068	.062	.056	.022	.020	.018	
2.0	.191	.155	.124	.164	.133	.107	.112	.092	.075	.065	.054	.044	.021	.017	.014	
3.0	.182	.136	.099	.156	.118	.086	.107	.082	.060	.062	.048	.036	.020	.015	.012	
4.0	.174	.122	.082	.150	.105	.071	.103	.074	.050	.060	.043	.030	.019	.014	.010	
5.0	.167	.111	.070	.143	.096	.061	.099	.067	.043	.057	.039	.025	.018	.013	.008	
6.0	.160	.102	.061	.137	.089	.053	.095	.062	.038	.055	.036	.022	.018	.012	.007	
7.0	.153	.095	.054	.132	.082	.047	.091	.058	.034	.053	.034	.020	.017	.011	.007	
8.0	.147	.089	.049	.126	.077	.043	.087	.054	.030	.051	.032	.018	.016	.010	.006	
9.0	.141	.084	.045	.121	.073	.040	.084	.051	.028	.049	.030	.017	.016	.010	.006	
10.0	.135	.079	.042	.117	.069	.037	.081	.049	.026	.047	.029	.016	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.7	17.0	16.0	17.3	17.5	15.8	17.1	16.1	17.4	17.6
	3H	16.2	17.4	16.5	17.7	18.0	16.4	17.6	16.7	17.9	18.1
	4H	16.3	17.4	16.6	17.7	18.0	16.5	17.6	16.8	17.9	18.2
	6H	16.3	17.4	16.6	17.7	18.0	16.5	17.6	16.8	17.9	18.2
	8H	16.3	17.3	16.6	17.7	18.0	16.5	17.6	16.9	17.9	18.2
	12H	16.3	17.3	16.6	17.6	18.0	16.5	17.5	16.9	17.8	18.2
4H	2H	16.0	17.1	16.3	17.4	17.7	16.0	17.2	16.4	17.5	17.8
	3H	16.6	17.6	17.0	17.9	18.3	16.7	17.8	17.1	18.1	18.4
	4H	16.7	17.6	17.1	18.0	18.4	16.9	17.8	17.3	18.2	18.5
	6H	16.8	17.6	17.2	18.0	18.4	17.0	17.8	17.4	18.2	18.6
	8H	16.8	17.6	17.3	18.0	18.4	17.0	17.8	17.5	18.2	18.6
	12H	16.8	17.5	17.3	17.9	18.4	17.1	17.7	17.5	18.2	18.6
8H	4H	16.7	17.5	17.2	17.9	18.3	16.9	17.6	17.3	18.0	18.5
	6H	16.9	17.5	17.3	17.9	18.4	17.1	17.7	17.5	18.1	18.6
	8H	16.9	17.5	17.4	17.9	18.4	17.1	17.7	17.6	18.1	18.6
	12H	17.0	17.4	17.5	17.9	18.4	17.2	17.7	17.7	18.1	18.7
12H	4H	16.7	17.4	17.1	17.8	18.2	16.9	17.5	17.3	18.0	18.4
	6H	16.9	17.4	17.3	17.9	18.4	17.0	17.6	17.5	18.1	18.5
	8H	16.9	17.4	17.4	17.9	18.4	17.1	17.6	17.7	18.1	18.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

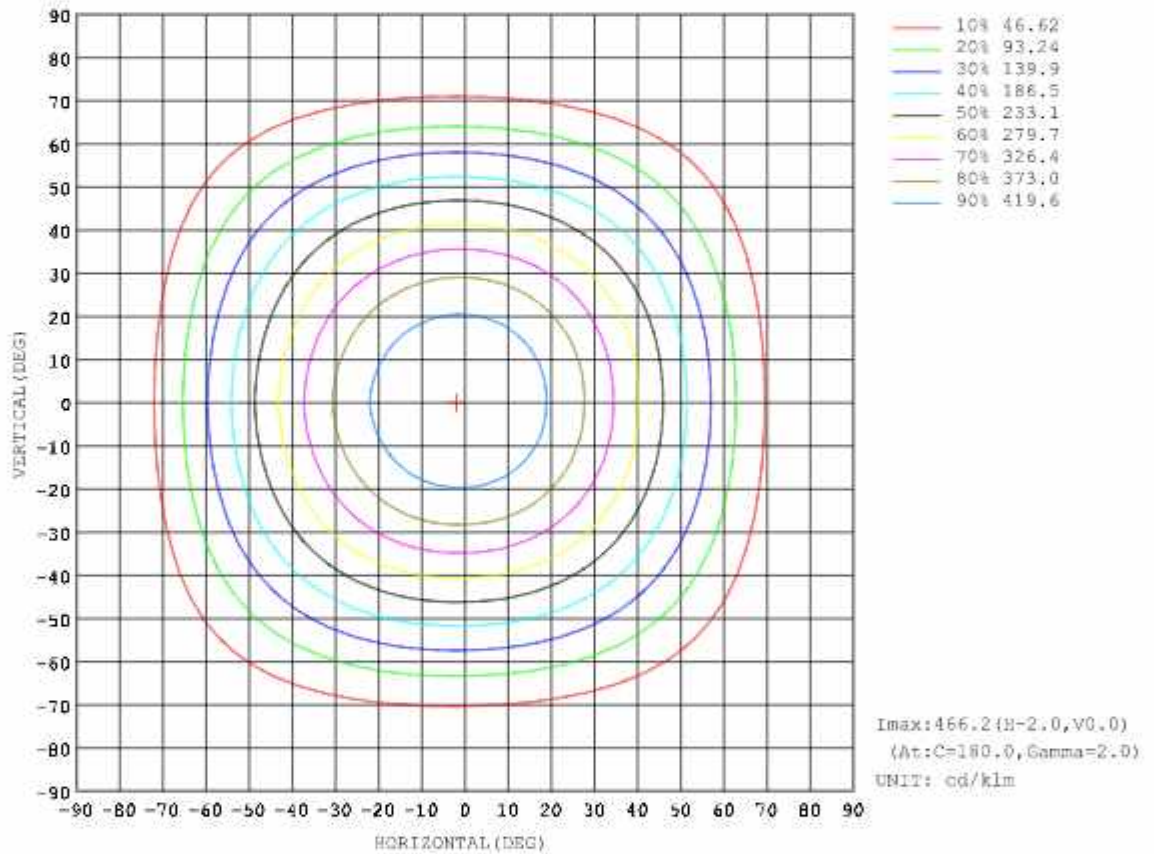
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	65	54	47	64	53	47	63	53	47	40
0.80	75	64	58	74	64	57	72	63	57	50
1.00	84	74	67	83	73	67	80	74	66	59
1.25	91	81	75	90	81	75	87	79	74	67
1.50	96	87	81	94	86	80	91	84	79	71
2.00	102	95	89	100	93	88	97	91	86	78
2.50	106	99	93	103	97	92	99	94	90	82
3.00	109	103	98	106	101	96	102	98	94	85
4.00	112	107	103	110	105	101	105	101	98	89
5.00	114	110	106	112	108	105	107	104	101	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

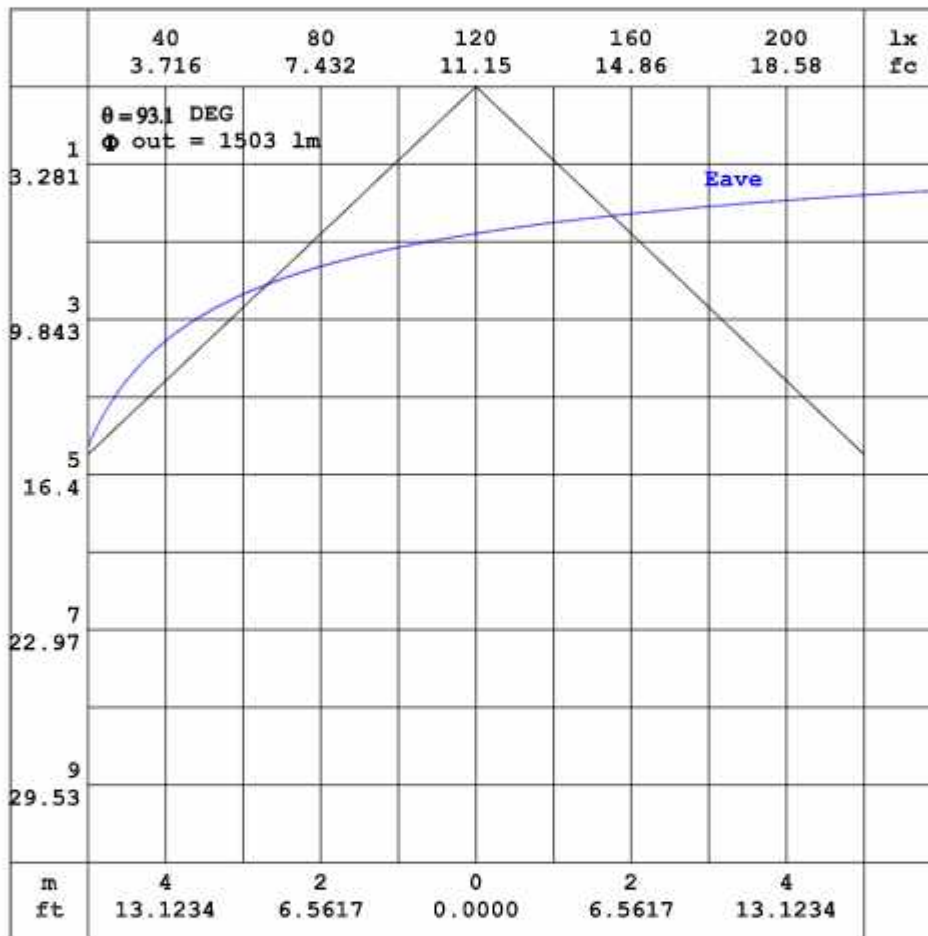


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

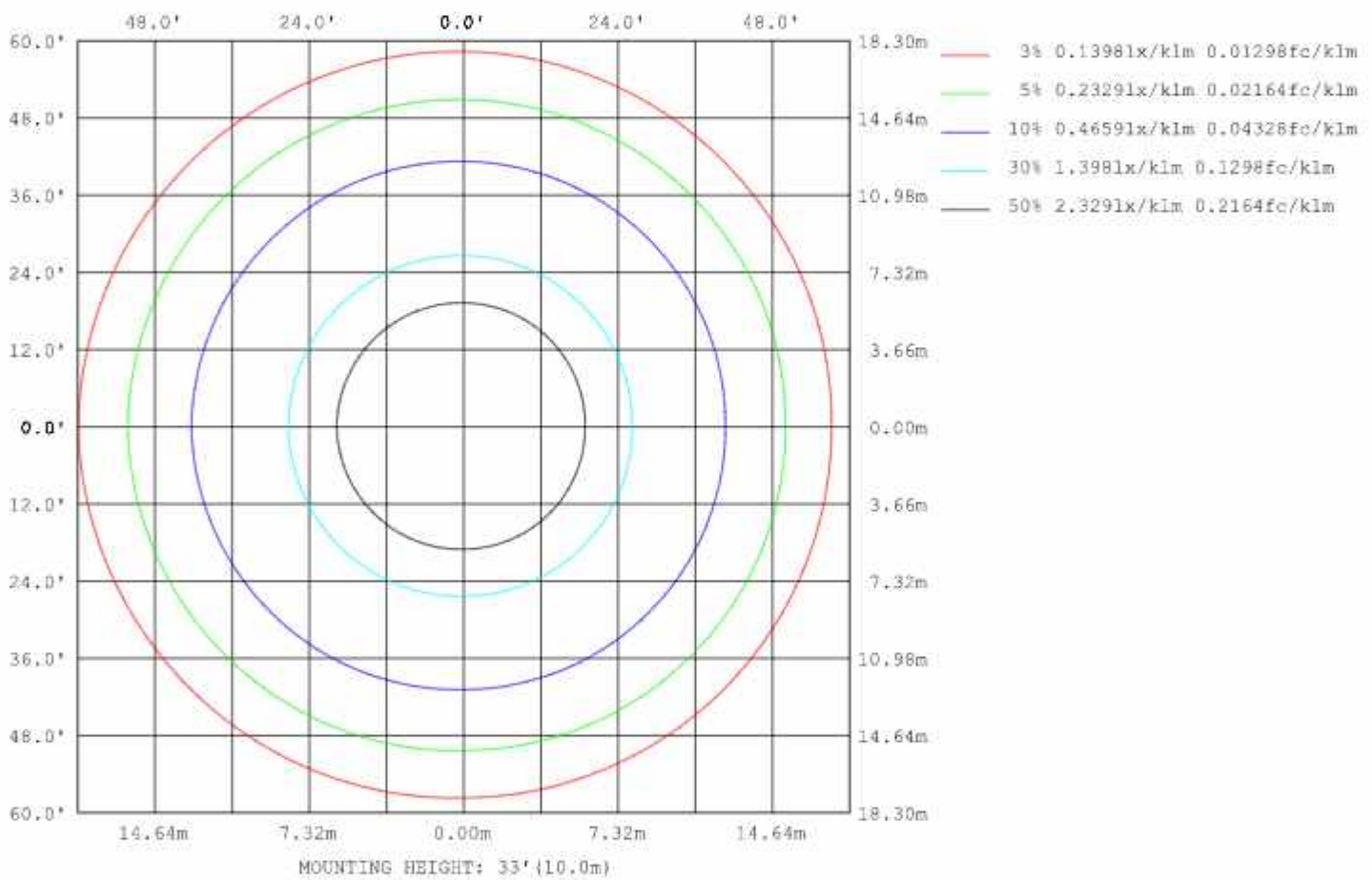
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## ISOLUX DIAGRAM

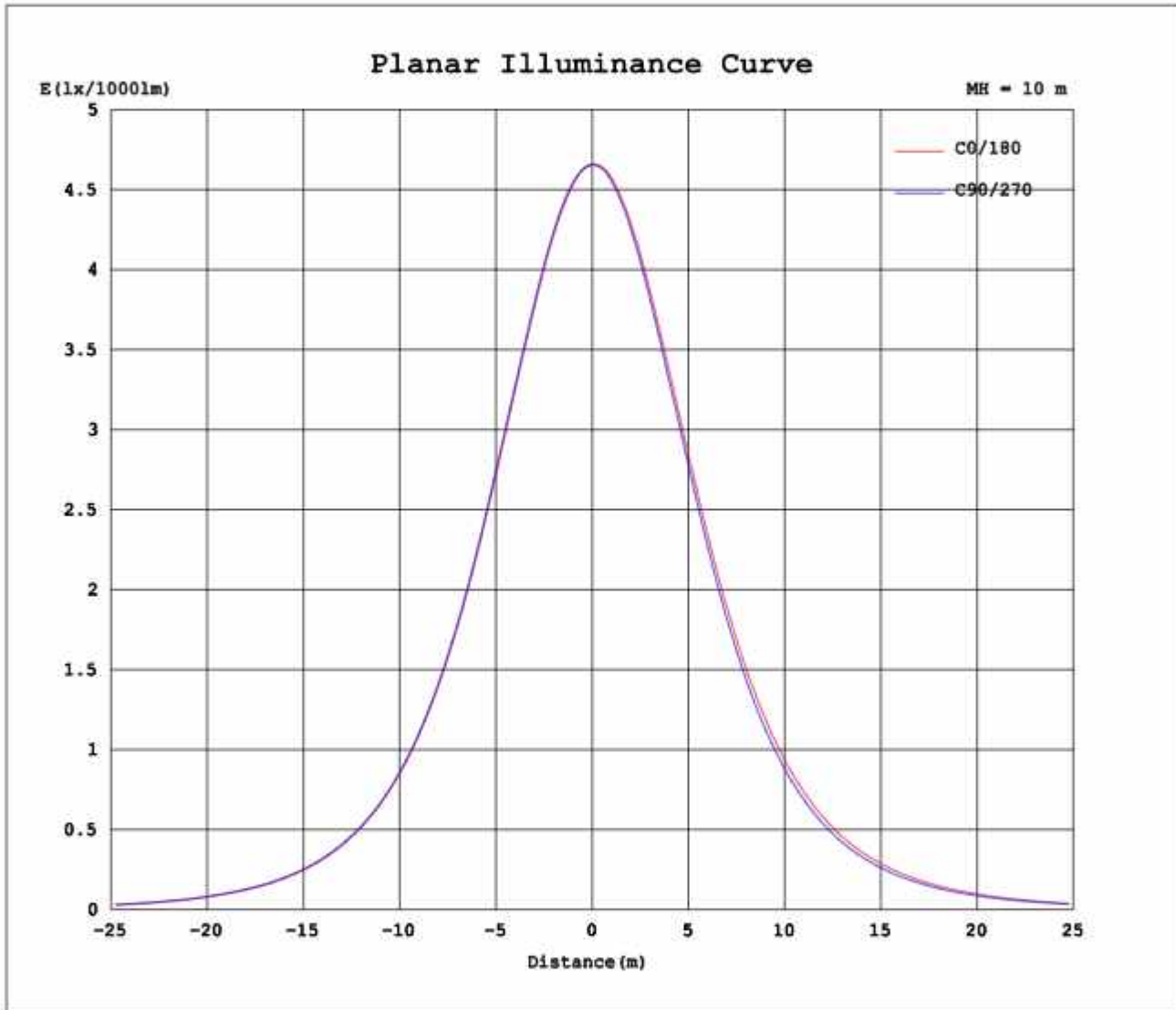
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270															
0	466	466	466	466															
5	461	462	465	463															
10	451	453	458	455															
15	435	438	446	441															
20	414	418	429	421															
25	389	393	406	397															
30	357	361	377	367															
35	322	325	343	331															
40	282	285	306	291															
45	240	243	265	249															
50	198	200	222	206															
55	156	159	179	164															
60	115	119	137	124															
65	76.2	80.6	96.6	86.0															
70	43.0	48.2	59.5	52.4															
75	22.4	25.7	31.0	26.9															
80	13.2	14.8	15.5	13.7															
85	5.76	6.82	7.89	6.07															
90	4.03	3.98	1.76	1.40															
95	4.00	3.98	1.55	1.56															
100	4.00	3.97	1.74	1.75															
105	4.01	3.98	1.96	1.97															
110	4.03	4.01	2.19	2.21															
115	4.08	4.06	2.43	2.45															
120	4.16	4.12	2.69	2.71															
125	4.25	4.21	2.94	2.96															
130	4.35	4.30	3.19	3.22															
135	4.46	4.41	3.44	3.47															
140	4.58	4.53	3.70	3.72															
145	4.72	4.67	3.95	3.98															
150	4.87	4.81	4.20	4.24															
155	5.03	4.98	4.46	4.50															
160	5.19	5.16	4.72	4.77															
165	5.32	5.31	4.97	5.01															
170	5.43	5.44	5.19	5.22															
175	5.50	5.53	5.37	5.39															
180	5.50	5.53	5.50	5.52															

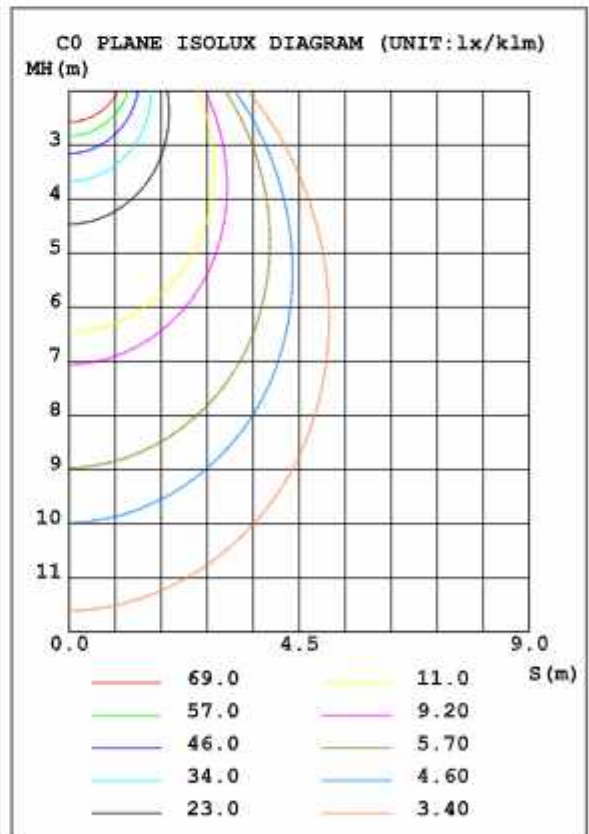
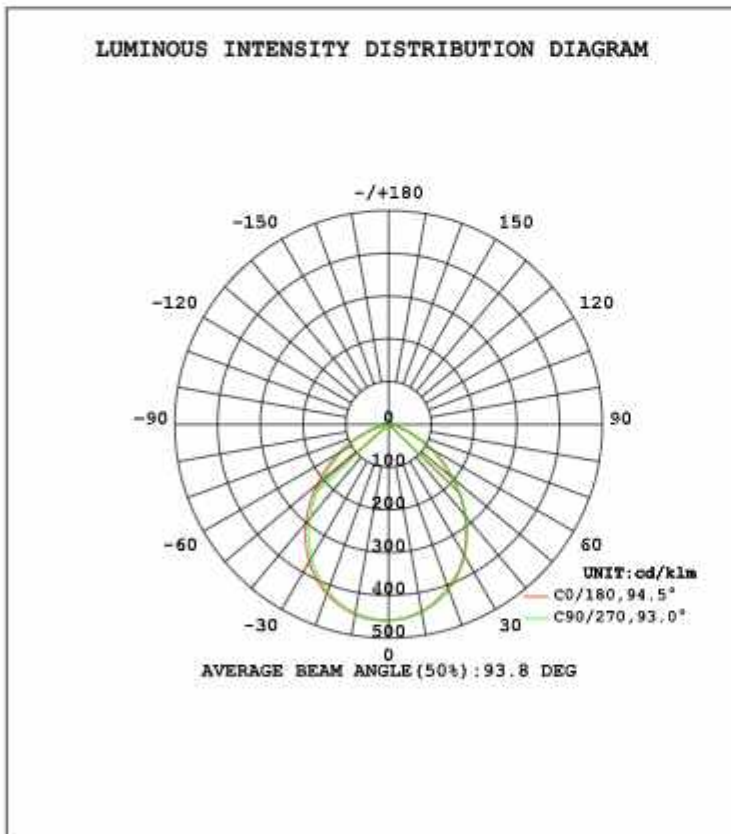
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.04 lm/W			
MODEL	6LMCT22LR05	Imax (cd/klm)	459.0	S/MH (C0/180)	1.15
NOMINAL POWER (W)	18	LOR (%)	102.4	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1024.4	$\eta$ UP, DN (C0-180)	1.3, 48.7
NOMINAL FLUX (lm)	2253.03	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 51.5
LAMPS INSIDE	1	$\eta$ up (%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	100.2	CIBSE SHR MAX	1.30



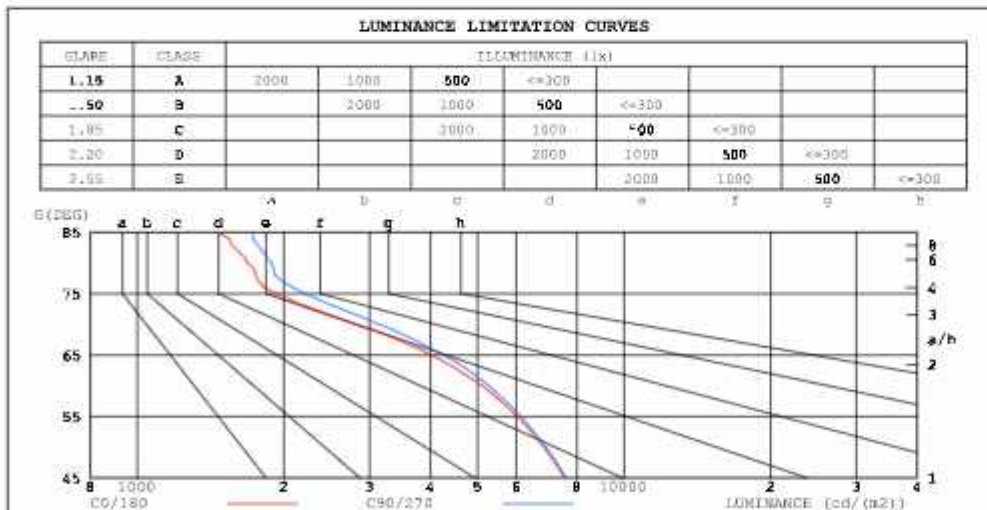
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp	
10	443.7	445.9	451.1	447.8				0- 10	43.23	43.23	4.22, 4.32	
20	408.1	411.6	422.0	415.3				10- 20	122.1	165.3	16.1, 16.5	
30	352.2	355.7	371.8	361.1				20- 30	179.4	344.7	33.6, 34.5	
40	277.9	280.3	300.9	286.7				30- 40	202.9	547.6	53.5, 54.8	
50	194.9	196.9	218.3	202.8				40- 50	188.5	736.5	71.9, 73.6	
60	113.2	117.0	134.7	122.0				50- 60	144.7	881.2	86, 88.1	
70	42.64	47.70	58.72	51.95				60- 70	83.44	964.6	94.2, 96.5	
80	12.96	14.52	15.25	13.57				70- 80	29.83	994.4	97.1, 99.4	
90	3.946	3.921	1.721	1.381				80- 90	7.814	1002	97.8, 100	
100	3.928	3.902	1.715	1.723				90-100	2.979	1005	98.1, 101	
110	3.960	3.934	2.154	2.170				100-110	3.098	1008	98.4, 101	
120	4.094	4.049	2.637	2.667				110-120	3.178	1012	98.7, 101	
130	4.277	4.224	3.135	3.161				120-130	3.163	1015	99, 101	
140	4.515	4.447	3.633	3.659				130-140	3.001	1018	99.3, 102	
150	4.789	4.727	4.134	4.165				140-150	2.669	1020	99.6, 102	
160	5.098	5.066	4.642	4.680				150-160	2.152	1022	99.8, 102	
170	5.335	5.347	5.104	5.134				160-170	1.428	1024	100, 102	
180	5.406	5.431	5.412	5.425				170-180	0.5073	1024	100, 102	
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm				



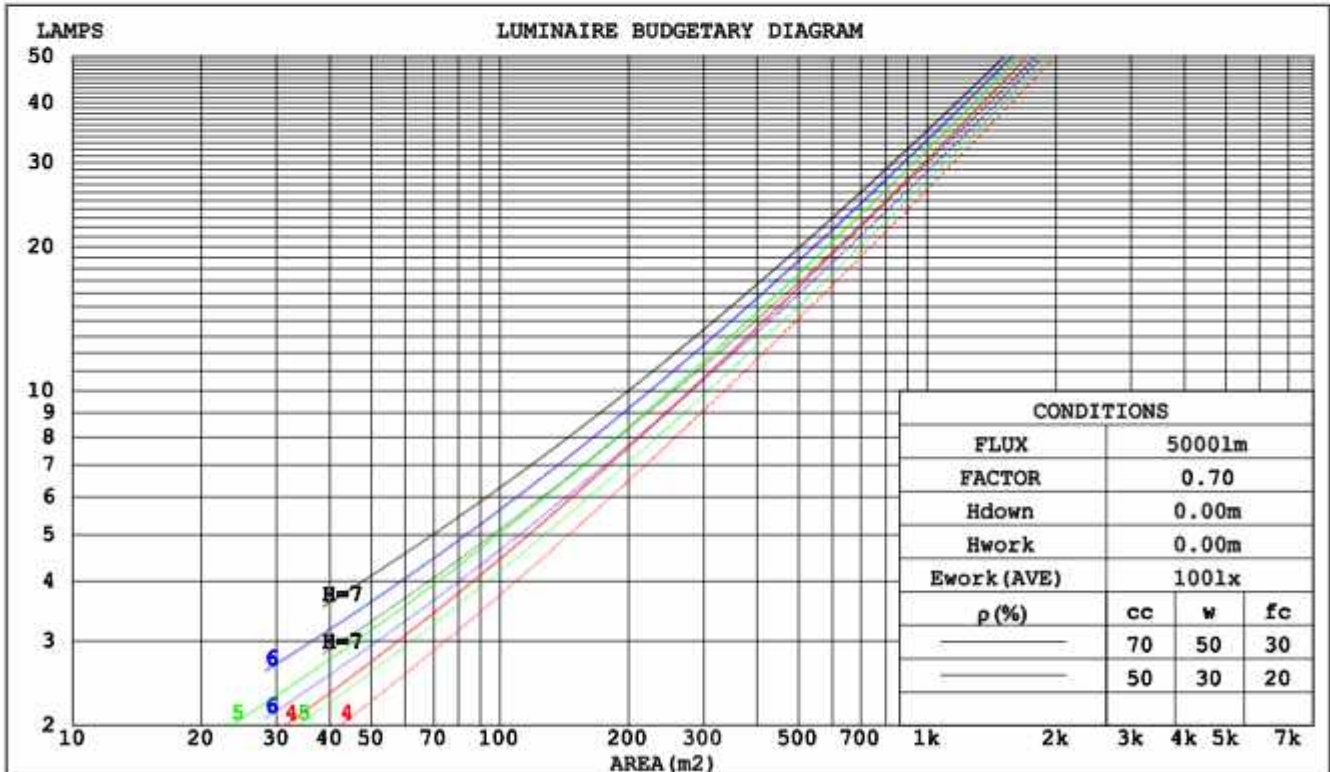
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.21	1.21	1.21	1.18	1.18	1.18	1.13	1.13	1.13	1.07	1.07	1.07	1.02	1.02	1.02	1.00
1.0	1.08	1.05	1.01	1.06	1.03	.99	1.01	.98	.96	.97	.95	.93	.93	.91	.90	.87
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.83	.79	.83	.80	.77	.75
3.0	.86	.78	.72	.84	.77	.72	.81	.75	.70	.78	.73	.69	.75	.71	.67	.65
4.0	.77	.69	.62	.75	.68	.62	.73	.66	.61	.70	.64	.60	.68	.63	.59	.57
5.0	.69	.61	.55	.68	.60	.54	.66	.59	.53	.63	.57	.53	.61	.56	.52	.50
6.0	.63	.54	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44
7.0	.57	.49	.43	.56	.48	.43	.55	.47	.42	.53	.47	.42	.51	.46	.41	.39
8.0	.52	.44	.39	.52	.44	.38	.50	.43	.38	.49	.42	.38	.47	.42	.37	.36
9.0	.48	.40	.35	.48	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.32
10.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.29



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.269	.153	.048	.261	.149	.047	.247	.142	.045	.233	.135	.043	.221	.128	.041	
2.0	.259	.142	.044	.253	.139	.043	.240	.133	.041	.228	.128	.040	.217	.123	.039	
3.0	.245	.130	.039	.239	.128	.038	.227	.123	.037	.217	.119	.036	.207	.115	.036	
4.0	.229	.119	.035	.224	.117	.035	.214	.114	.034	.205	.110	.033	.196	.107	.032	
5.0	.215	.109	.032	.210	.108	.031	.201	.105	.031	.193	.102	.030	.185	.099	.030	
6.0	.201	.101	.029	.197	.100	.029	.189	.097	.028	.182	.094	.028	.175	.092	.027	
7.0	.189	.093	.026	.185	.092	.026	.178	.090	.026	.171	.088	.026	.165	.086	.025	
8.0	.178	.087	.024	.174	.086	.024	.168	.084	.024	.162	.082	.024	.156	.080	.023	
9.0	.168	.081	.023	.165	.080	.023	.159	.078	.022	.153	.077	.022	.148	.075	.022	
10.0	.158	.076	.021	.156	.075	.021	.150	.074	.021	.145	.072	.021	.140	.071	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
2.0	.198	.177	.159	.170	.152	.136	.116	.105	.094	.067	.061	.055	.021	.020	.018	
3.0	.188	.152	.122	.161	.131	.106	.111	.091	.074	.064	.053	.043	.020	.017	.014	
4.0	.180	.134	.098	.154	.116	.085	.106	.080	.060	.061	.047	.035	.020	.015	.011	
5.0	.172	.120	.081	.147	.104	.070	.101	.072	.049	.059	.042	.029	.019	.014	.010	
6.0	.164	.109	.069	.141	.095	.060	.097	.066	.042	.056	.039	.025	.018	.013	.008	
7.0	.157	.101	.060	.135	.087	.052	.093	.061	.037	.054	.036	.022	.017	.012	.007	
8.0	.151	.094	.053	.130	.081	.047	.090	.057	.033	.052	.033	.020	.017	.011	.007	
9.0	.144	.088	.048	.124	.076	.042	.086	.053	.030	.050	.031	.018	.016	.010	.006	
10.0	.139	.083	.045	.119	.072	.039	.083	.050	.028	.048	.030	.016	.016	.010	.005	
	.133	.078	.042	.115	.068	.036	.080	.048	.026	.046	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.6	17.0	15.9	17.2	17.4	15.7	17.1	16.0	17.3	17.5
	3H	16.1	17.4	16.5	17.7	17.9	16.3	17.6	16.6	17.8	18.1
	4H	16.2	17.4	16.6	17.7	18.0	16.4	17.6	16.7	17.9	18.2
	6H	16.2	17.3	16.6	17.6	18.0	16.4	17.6	16.8	17.9	18.2
	8H	16.2	17.3	16.6	17.6	17.9	16.4	17.5	16.8	17.8	18.2
	12H	16.2	17.2	16.6	17.6	17.9	16.4	17.5	16.8	17.8	18.1
4H	2H	15.9	17.1	16.3	17.4	17.7	16.0	17.2	16.3	17.5	17.7
	3H	16.5	17.6	16.9	17.9	18.2	16.7	17.7	17.1	18.0	18.4
	4H	16.7	17.6	17.1	18.0	18.3	16.9	17.8	17.3	18.1	18.5
	6H	16.8	17.6	17.2	18.0	18.4	17.0	17.8	17.4	18.2	18.6
	8H	16.8	17.5	17.2	17.9	18.4	17.0	17.7	17.4	18.1	18.6
	12H	16.8	17.5	17.2	17.9	18.3	17.0	17.7	17.5	18.1	18.6
8H	4H	16.7	17.4	17.1	17.8	18.3	16.8	17.6	17.3	18.0	18.4
	6H	16.8	17.4	17.3	17.9	18.4	17.0	17.6	17.5	18.1	18.5
	8H	16.9	17.4	17.4	17.9	18.4	17.1	17.6	17.6	18.1	18.6
	12H	16.9	17.4	17.4	17.9	18.4	17.1	17.6	17.7	18.1	18.6
12H	4H	16.6	17.3	17.1	17.8	18.2	16.8	17.5	17.3	17.9	18.4
	6H	16.8	17.4	17.3	17.8	18.3	17.0	17.5	17.5	18.0	18.5
	8H	16.9	17.4	17.4	17.8	18.4	17.1	17.6	17.6	18.0	18.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.8				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## UTILIZATION FACTORS TABLE

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

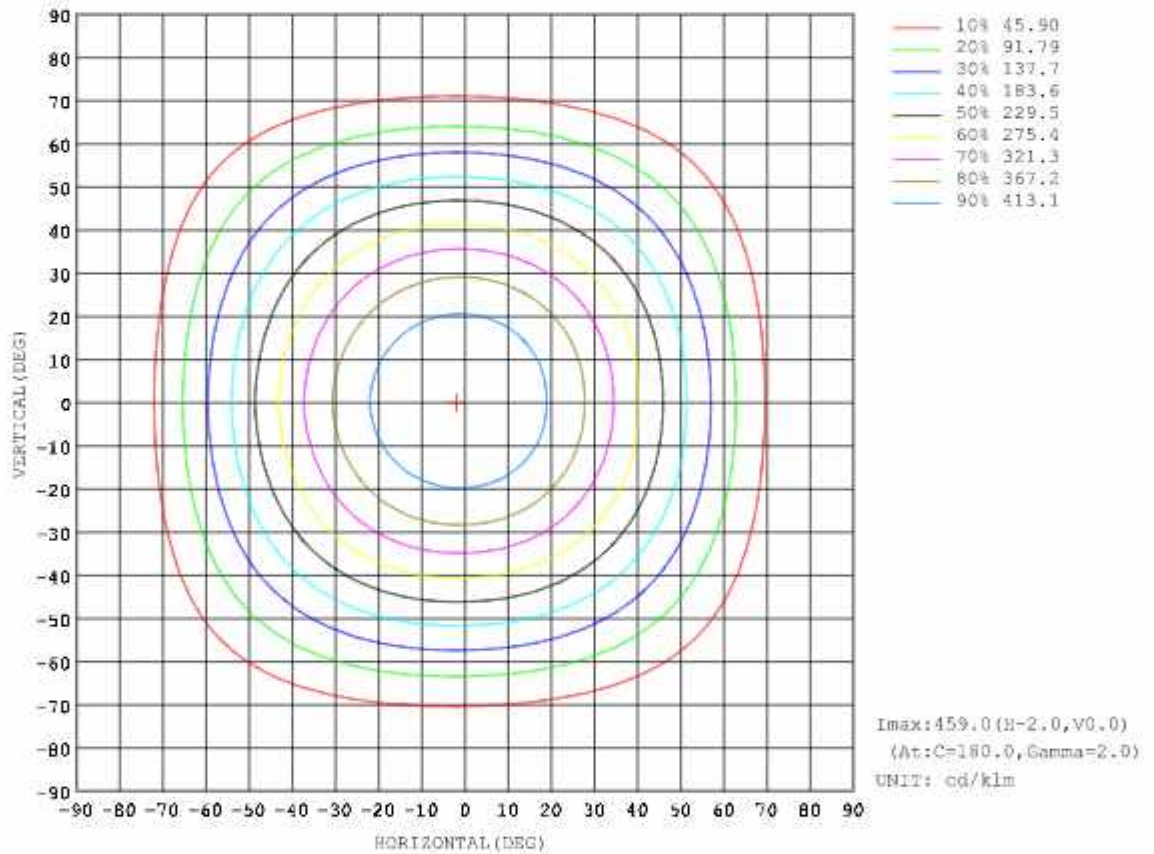
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	53	46	63	53	46	62	52	46	40
0.80	74	63	57	73	63	57	71	62	56	49
1.00	83	73	66	81	72	66	79	73	65	58
1.25	90	80	74	88	79	73	85	78	72	65
1.50	94	86	79	93	85	79	90	83	78	70
2.00	101	93	87	99	92	87	95	89	85	77
2.50	104	97	92	102	96	91	98	93	89	80
3.00	107	101	96	105	99	95	100	96	92	84
4.00	111	106	101	108	104	100	103	100	97	88
5.00	113	108	105	110	106	103	105	102	100	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

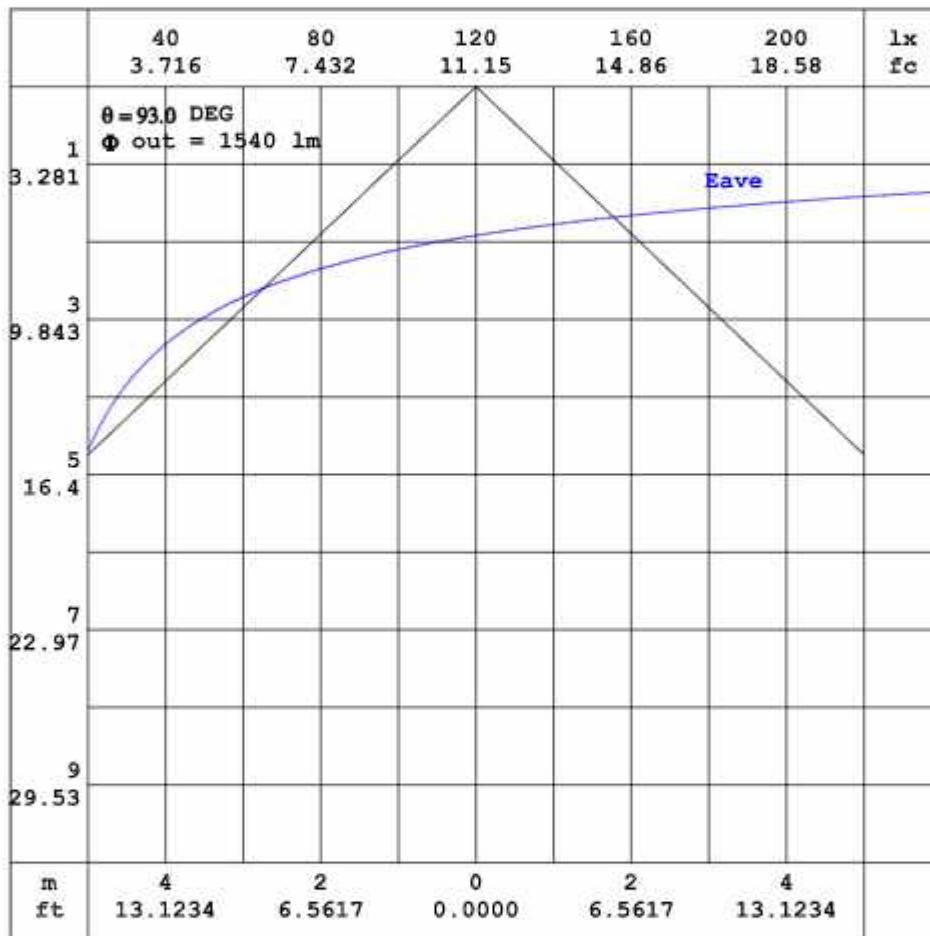


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**AAI CURVES**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



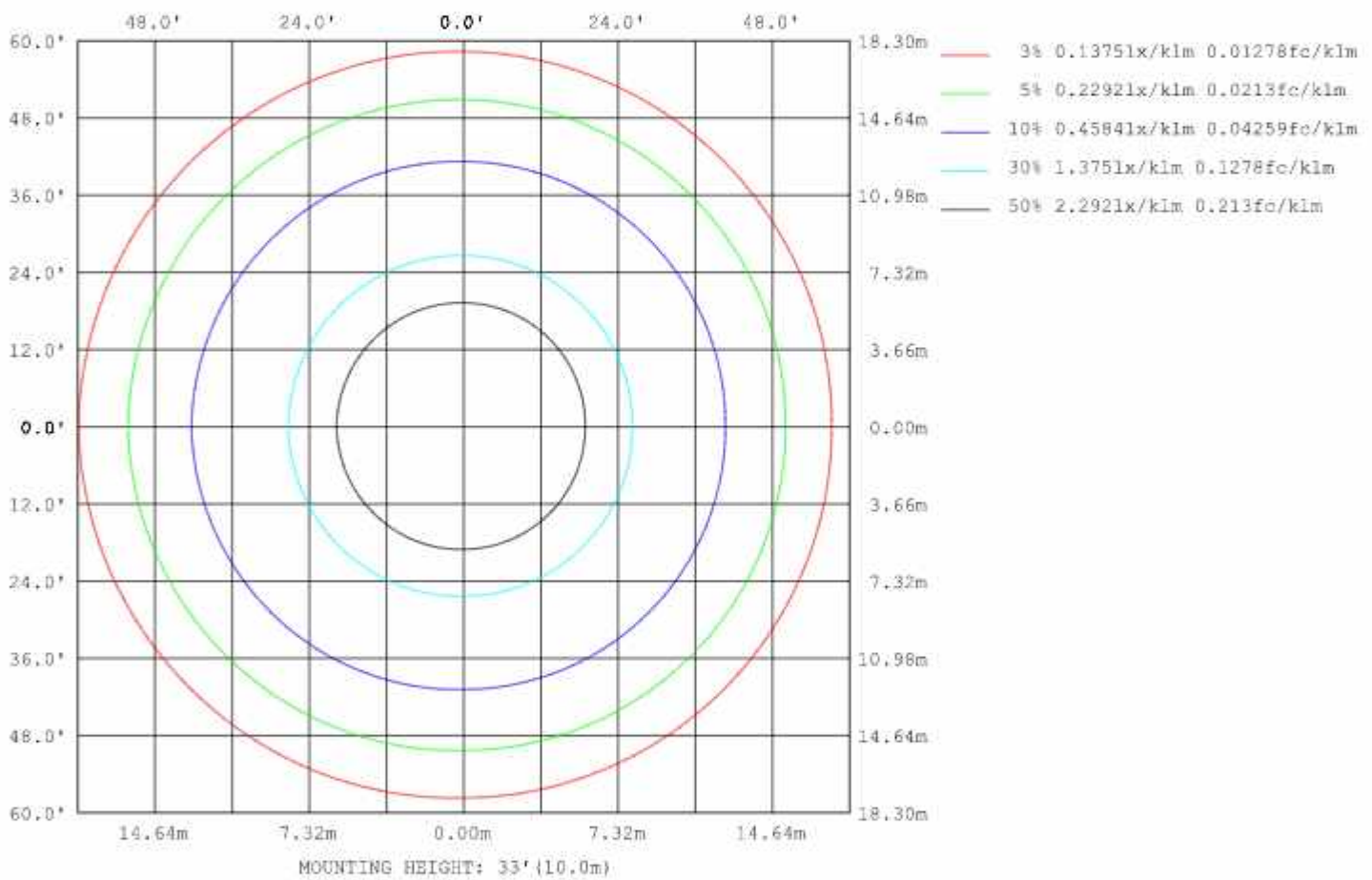
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

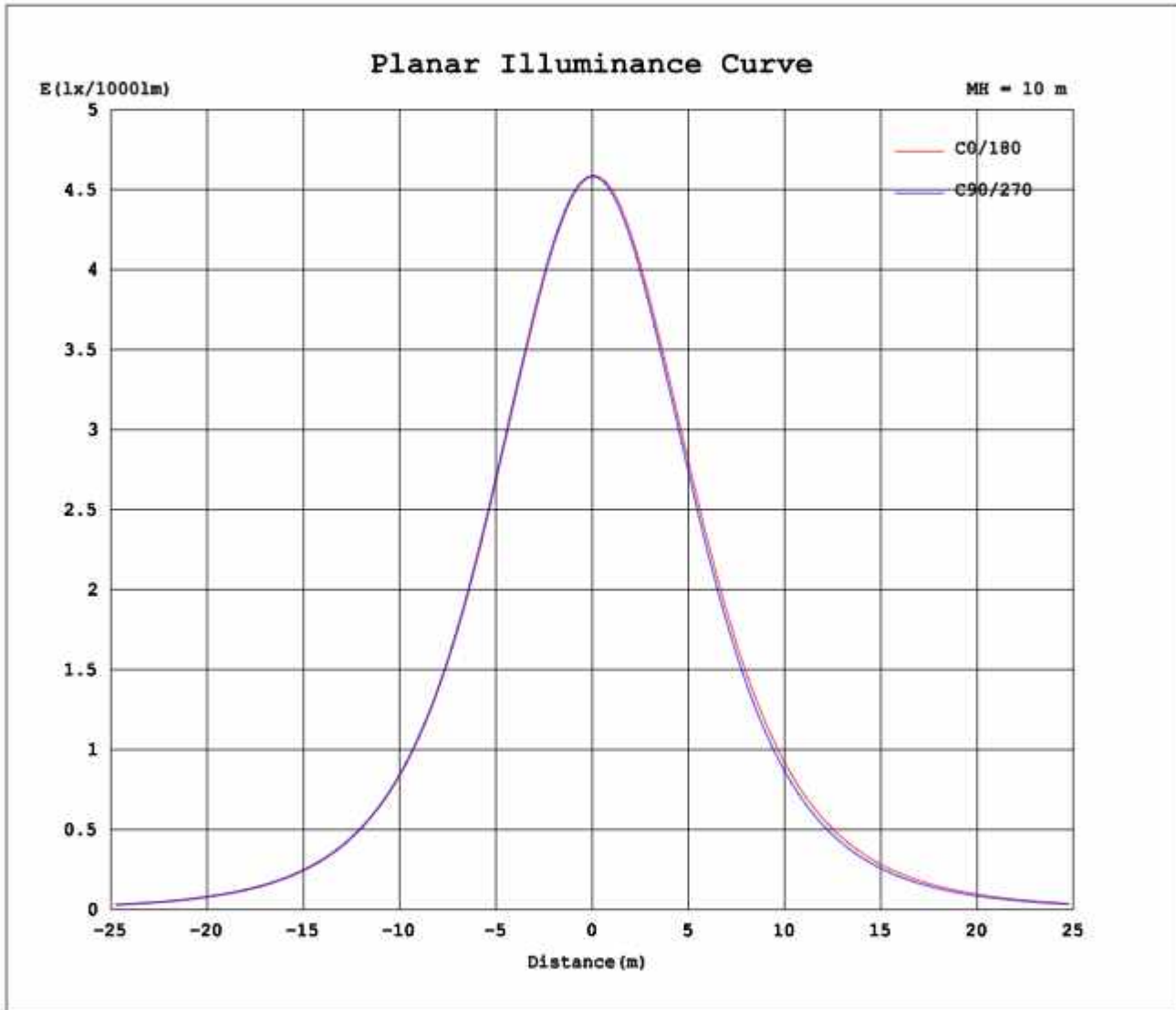
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270																
0	458	459	458	459																
5	454	455	457	456																
10	444	446	451	448																
15	428	431	439	434																
20	408	412	422	415																
25	383	386	400	391																
30	352	356	372	361																
35	317	320	338	326																
40	278	280	301	297																
45	237	239	261	245																
50	195	197	218	203																
55	154	156	176	162																
60	113	117	135	122																
65	75.3	79.6	95.3	85.0																
70	42.6	47.7	58.7	51.9																
75	22.2	25.4	30.7	26.7																
80	13.0	14.5	15.3	13.6																
85	5.66	6.68	7.75	6.00																
90	3.95	3.92	1.72	1.38																
95	3.93	3.90	1.53	1.53																
100	3.93	3.90	1.72	1.72																
105	3.93	3.91	1.93	1.94																
110	3.96	3.93	2.15	2.17																
115	4.02	3.98	2.39	2.41																
120	4.09	4.05	2.64	2.67																
125	4.18	4.13	2.89	2.91																
130	4.28	4.22	3.14	3.16																
135	4.38	4.33	3.39	3.41																
140	4.52	4.45	3.63	3.66																
145	4.64	4.58	3.88	3.91																
150	4.79	4.73	4.13	4.16																
155	4.94	4.89	4.39	4.42																
160	5.10	5.07	4.64	4.68																
165	5.23	5.22	4.89	4.92																
170	5.33	5.35	5.10	5.13																
175	5.41	5.44	5.28	5.31																
180	5.41	5.43	5.41	5.43																

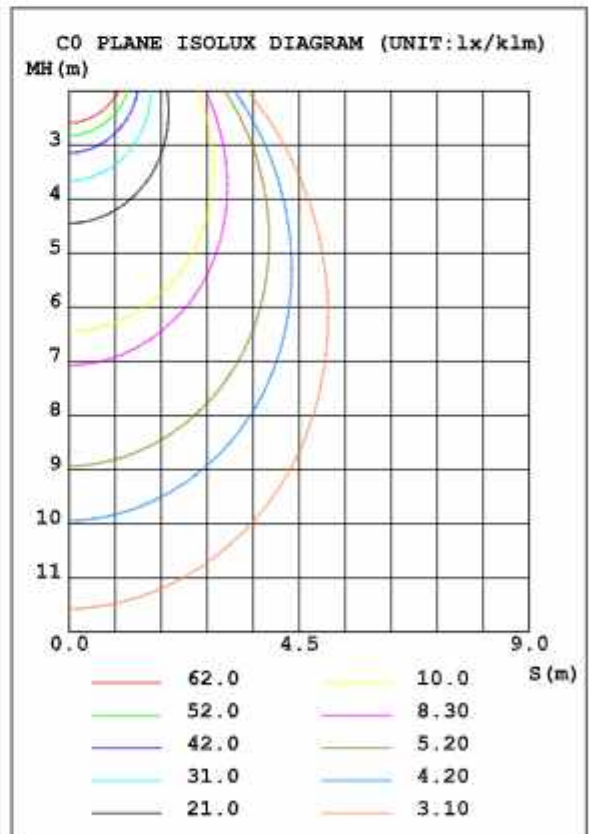
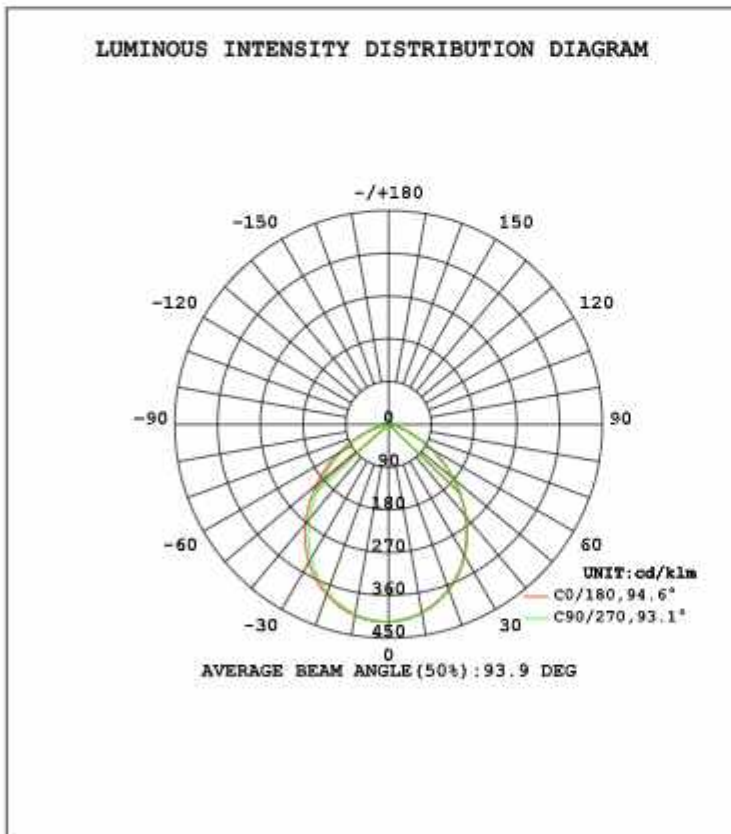
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	416.0	S/MH (C0/180)	1.15
NOMINAL POWER (W)	22	LOR (%)	92.7	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	926.74	$\eta$ UP, DN (C0-180)	1.2, 44.0
NOMINAL FLUX (lm)	2462.97	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.8, 46.6
LAMPS INSIDE	1	$\eta$ up (%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	90.7	CIBSE SHR MAX	1.30



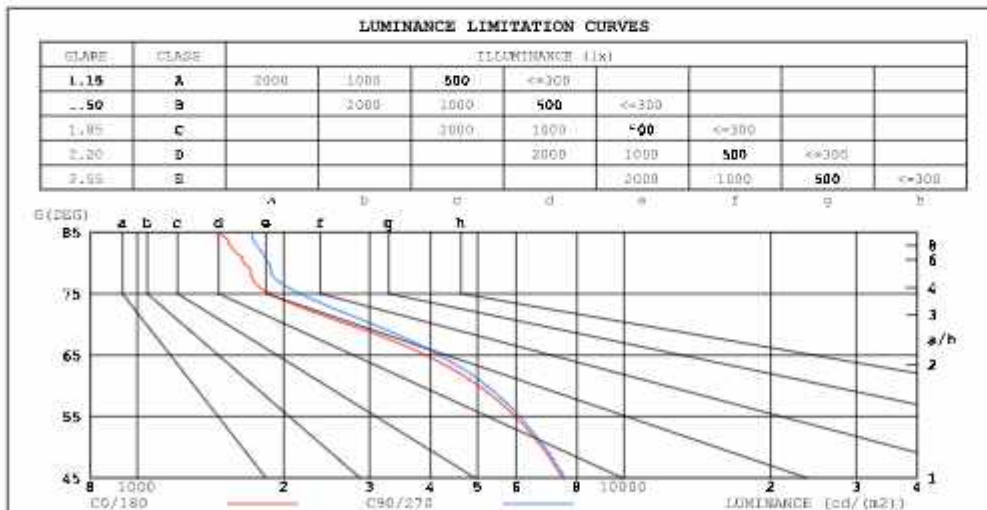
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	401.9	404.0	408.5	405.7				0- 10	39.16	39.16	4.23, 3.92
20	369.2	372.3	381.5	375.5				10- 20	110.5	149.6	16.1, 15
30	318.2	321.8	336.0	326.1				20- 30	162.1	311.8	33.6, 31.2
40	251.4	254.1	272.5	259.4				30- 40	183.5	495.2	53.4, 49.5
50	176.8	179.2	198.7	184.2				40- 50	171.3	666.6	71.9, 66.7
60	102.0	106.1	123.0	110.4				50- 60	131.5	798.0	86.1, 79.8
70	37.51	42.37	52.67	45.86				60- 70	75.03	873.1	94.2, 87.3
80	11.67	13.14	13.73	12.13				70- 80	26.51	899.6	97.1, 90
90	3.580	3.554	1.553	1.250				80- 90	7.061	906.6	97.8, 90.7
100	3.564	3.541	1.543	1.563				90-100	2.700	909.3	98.1, 90.9
110	3.592	3.572	1.942	1.966				100-110	2.808	912.1	98.4, 91.2
120	3.705	3.674	2.386	2.420				110-120	2.880	915.0	98.7, 91.5
130	3.877	3.834	2.840	2.872				120-130	2.868	917.9	99, 91.8
140	4.087	4.036	3.290	3.318				130-140	2.720	920.6	99.3, 92.1
150	4.344	4.287	3.741	3.784				140-150	2.419	923.0	99.6, 92.3
160	4.624	4.595	4.201	4.262				150-160	1.952	925.0	99.8, 92.5
170	4.838	4.851	4.625	4.658				160-170	1.296	926.3	100, 92.6
180	4.905	4.928	4.899	4.933				170-180	0.4602	926.7	100, 92.7
DEG	LUMINOUS INTENSITY:cd/klm								UNIT:lm/klm		



LUMINANCE cd / (m2)		
G (DEG)	C0/180	C90/270
85	1453	1727
80	1655	1863
75	1871	2158
70	2701	3091
65	3909	4164
60	5025	5227
55	5971	6102
50	6776	6867
45	7471	7555

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

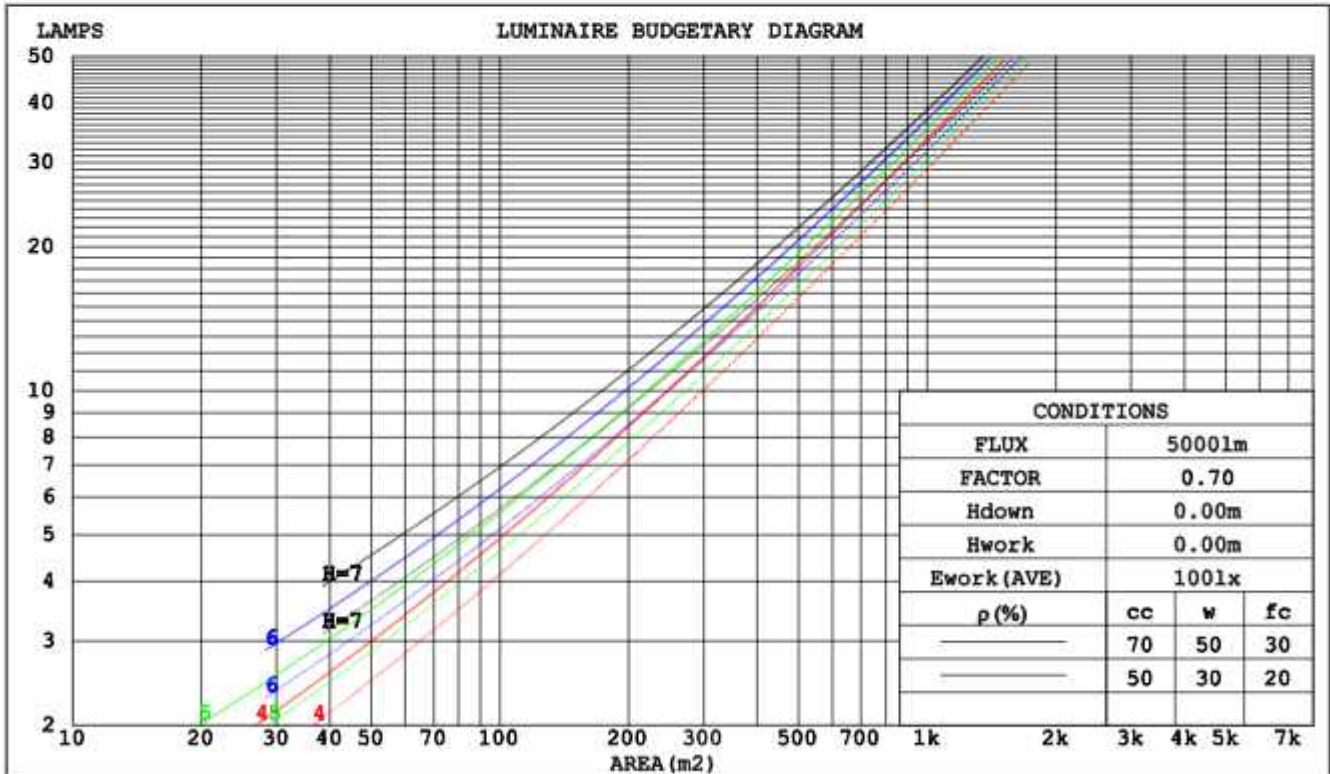
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:



## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	.97	.97	.97	.93	.93	.93	.91
1.0	.98	.95	.92	.96	.93	.90	.92	.89	.87	.88	.86	.84	.84	.82	.81	.79
2.0	.87	.82	.77	.85	.80	.76	.82	.77	.74	.78	.75	.72	.75	.73	.70	.68
3.0	.78	.71	.65	.76	.70	.65	.73	.68	.63	.70	.66	.62	.68	.64	.61	.59
4.0	.69	.62	.56	.68	.61	.56	.66	.60	.55	.63	.58	.54	.61	.57	.53	.51
5.0	.63	.55	.49	.61	.54	.49	.59	.53	.48	.57	.52	.48	.56	.51	.47	.45
6.0	.57	.49	.44	.56	.49	.43	.54	.48	.43	.52	.47	.42	.51	.46	.42	.40
7.0	.52	.44	.39	.51	.44	.39	.49	.43	.38	.48	.42	.38	.47	.41	.37	.36
8.0	.47	.40	.35	.47	.40	.35	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32
9.0	.44	.36	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29
10.0	.40	.33	.29	.40	.33	.29	.39	.33	.29	.38	.32	.28	.37	.32	.28	.27



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.243	.138	.044	.236	.135	.043	.223	.128	.041	.211	.122	.039	.200	.116	.037	
2.0	.234	.128	.039	.228	.126	.039	.217	.121	.037	.206	.116	.036	.196	.111	.035	
3.0	.221	.118	.035	.216	.116	.035	.206	.111	.034	.196	.107	.033	.187	.104	.032	
4.0	.207	.108	.032	.203	.106	.031	.194	.103	.031	.185	.099	.030	.177	.096	.029	
5.0	.194	.099	.029	.190	.098	.028	.182	.095	.028	.174	.092	.027	.167	.089	.027	
6.0	.182	.091	.026	.178	.090	.026	.171	.088	.025	.164	.085	.025	.158	.083	.025	
7.0	.171	.085	.024	.168	.083	.024	.161	.081	.023	.155	.079	.023	.149	.077	.023	
8.0	.161	.079	.022	.158	.078	.022	.152	.076	.022	.146	.074	.021	.141	.072	.021	
9.0	.152	.073	.020	.149	.073	.020	.144	.071	.020	.139	.069	.020	.134	.068	.020	
10.0	.143	.069	.019	.141	.068	.019	.136	.067	.019	.131	.065	.019	.127	.064	.018	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.180	.161	.143	.154	.138	.123	.105	.095	.085	.060	.055	.050	.019	.018	.016	
2.0	.170	.138	.111	.146	.119	.096	.100	.082	.067	.058	.048	.039	.019	.015	.013	
3.0	.162	.121	.089	.139	.105	.077	.096	.073	.054	.055	.042	.032	.018	.014	.010	
4.0	.155	.109	.073	.133	.094	.064	.092	.065	.045	.053	.038	.027	.017	.012	.009	
5.0	.149	.099	.062	.128	.086	.054	.088	.060	.038	.051	.035	.023	.016	.011	.007	
6.0	.142	.091	.054	.122	.079	.047	.084	.055	.033	.049	.032	.020	.016	.011	.007	
7.0	.136	.085	.048	.117	.073	.042	.081	.051	.030	.047	.030	.018	.015	.010	.006	
8.0	.131	.079	.044	.113	.069	.038	.078	.048	.027	.045	.028	.016	.015	.009	.005	
9.0	.125	.075	.040	.108	.065	.035	.075	.046	.025	.044	.027	.015	.014	.009	.005	
10.0	.121	.071	.038	.104	.061	.033	.072	.043	.023	.042	.026	.014	.014	.008	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.3	16.6	15.6	16.9	17.1	15.4	16.7	15.7	17.0	17.2
	3H	15.8	17.0	16.1	17.3	17.5	15.9	17.2	16.3	17.5	17.7
	4H	15.8	17.0	16.2	17.3	17.6	16.0	17.2	16.4	17.5	17.8
	6H	15.9	17.0	16.2	17.3	17.6	16.1	17.2	16.4	17.5	17.8
	8H	15.8	16.9	16.2	17.2	17.6	16.1	17.1	16.5	17.5	17.8
	12H	15.8	16.9	16.2	17.2	17.5	16.1	17.1	16.5	17.4	17.8
4H	2H	15.6	16.7	15.9	17.0	17.3	15.6	16.8	16.0	17.1	17.4
	3H	16.2	17.2	16.5	17.5	17.8	16.3	17.3	16.7	17.7	18.0
	4H	16.3	17.2	16.7	17.6	17.9	16.5	17.4	16.9	17.8	18.1
	6H	16.4	17.2	16.8	17.6	18.0	16.6	17.4	17.0	17.8	18.2
	8H	16.4	17.1	16.8	17.5	18.0	16.6	17.4	17.1	17.8	18.2
	12H	16.4	17.1	16.8	17.5	17.9	16.6	17.3	17.1	17.7	18.2
8H	4H	16.3	17.0	16.7	17.4	17.9	16.5	17.2	16.9	17.6	18.0
	6H	16.4	17.0	16.9	17.5	18.0	16.6	17.3	17.1	17.7	18.2
	8H	16.5	17.0	17.0	17.5	18.0	16.7	17.3	17.2	17.7	18.2
	12H	16.5	17.0	17.0	17.5	18.0	16.8	17.2	17.3	17.7	18.2
12H	4H	16.2	16.9	16.7	17.4	17.8	16.4	17.1	16.9	17.5	18.0
	6H	16.4	17.0	16.9	17.4	17.9	16.6	17.2	17.1	17.6	18.1
	8H	16.5	17.0	17.0	17.5	18.0	16.7	17.2	17.2	17.7	18.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.5 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

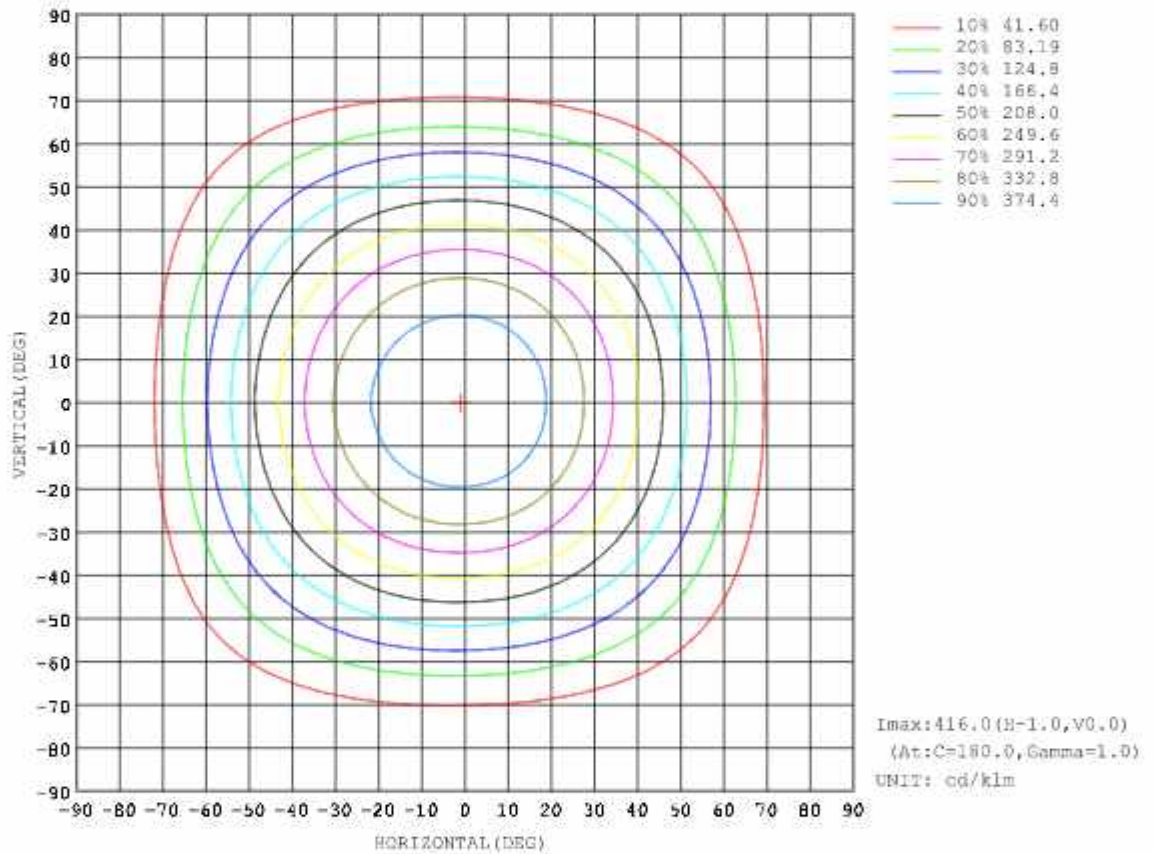
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	48	42	57	48	42	56	47	42	36
0.80	67	57	51	66	57	51	64	56	51	45
1.00	75	66	60	74	65	59	72	66	59	53
1.25	81	73	67	80	72	66	77	70	66	59
1.50	85	77	72	84	77	71	81	75	70	64
2.00	91	84	79	89	83	78	86	81	77	70
2.50	94	88	83	92	87	82	89	84	80	73
3.00	97	91	87	95	90	86	91	87	84	76
4.00	100	95	92	98	94	90	94	90	88	79
5.00	102	98	95	99	96	93	95	92	90	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

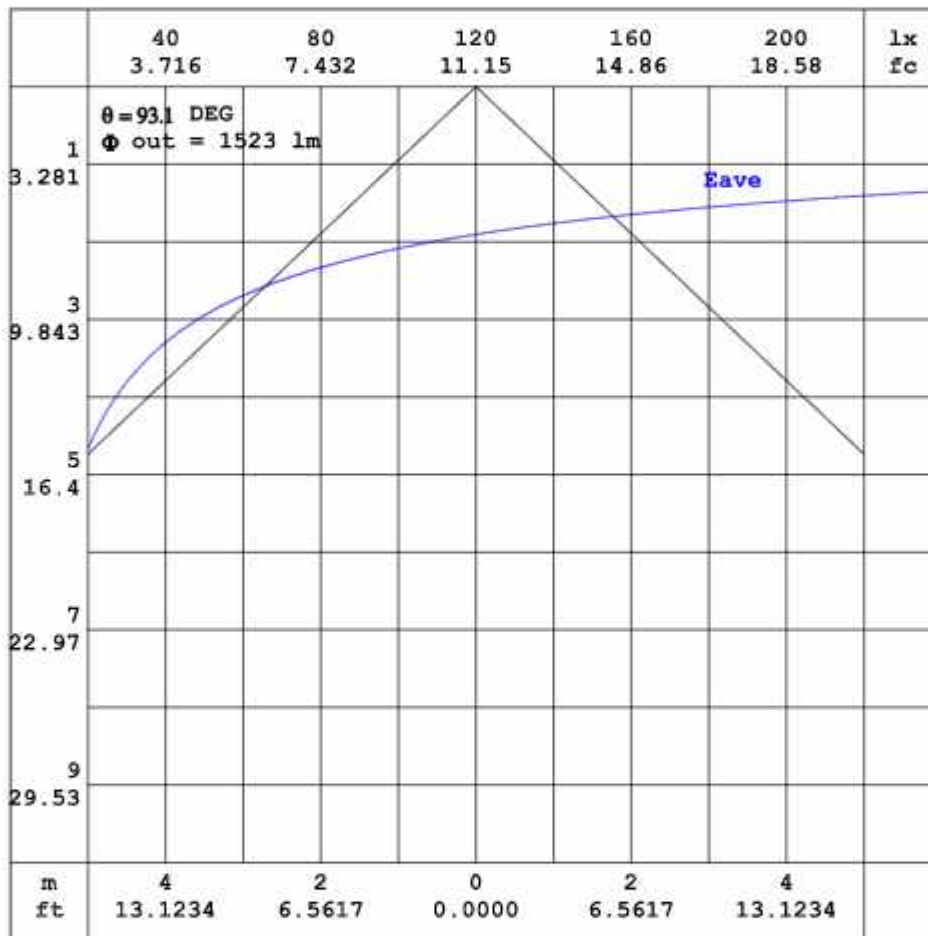


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



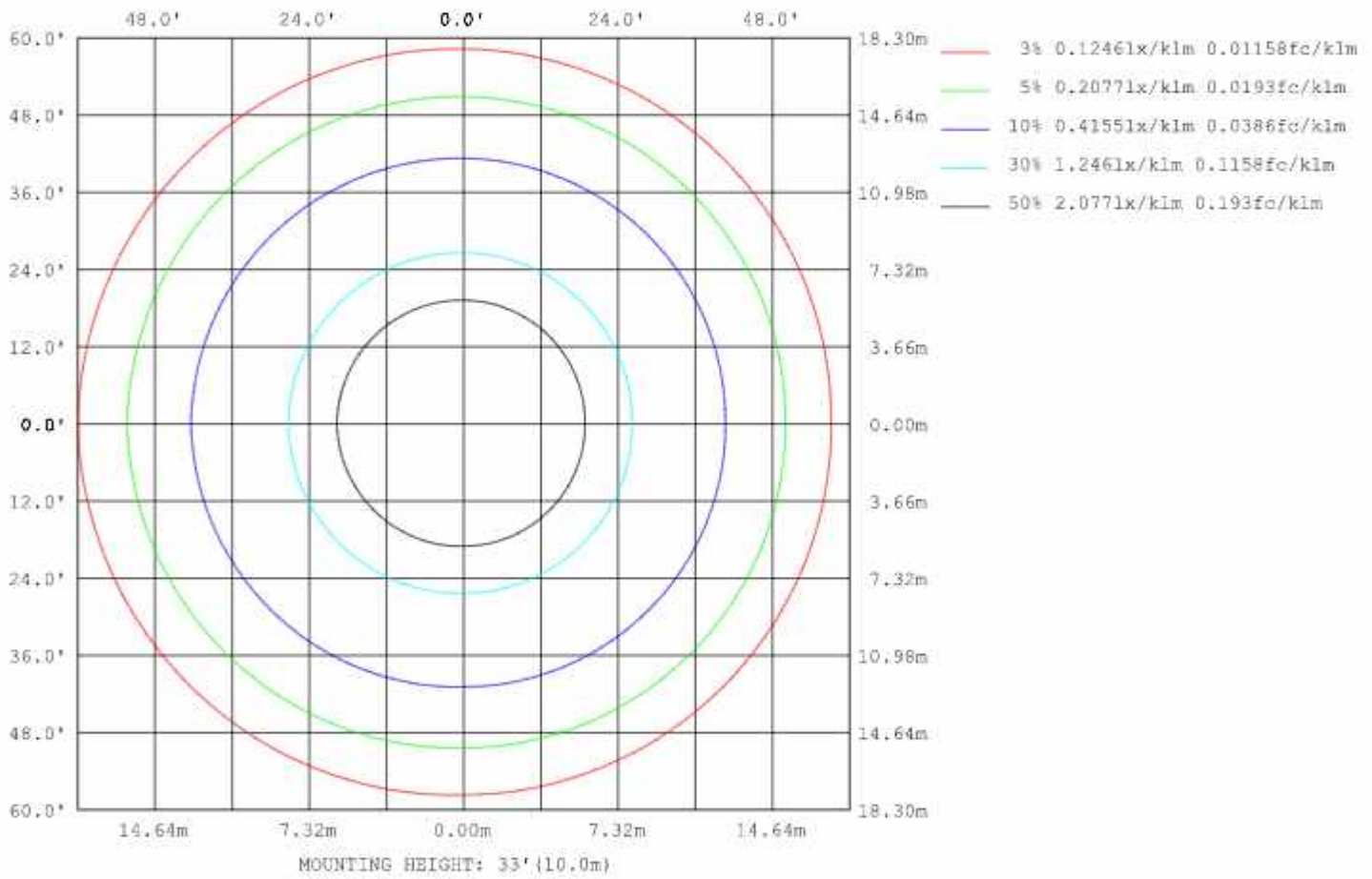
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

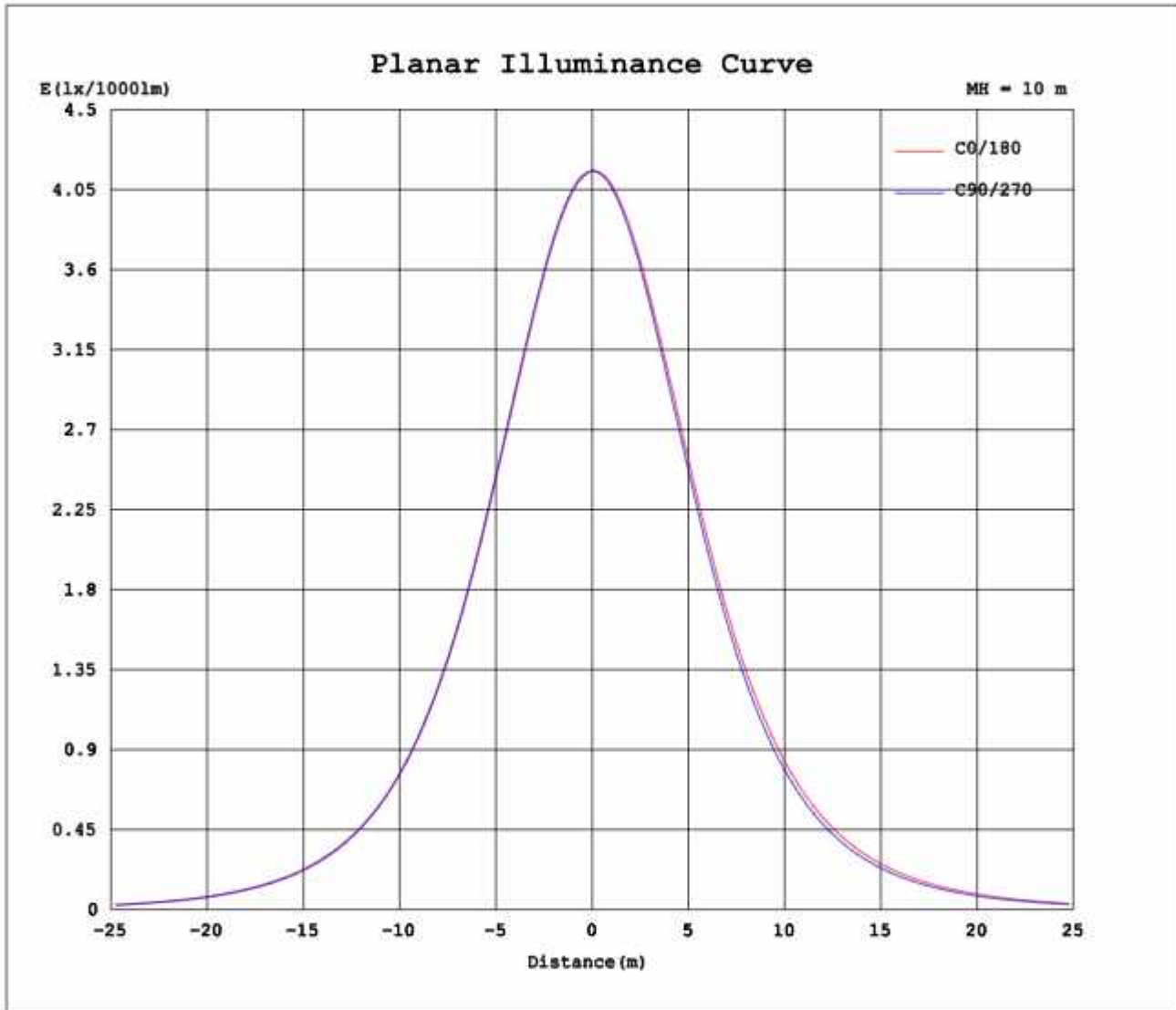
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:



## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270															
0	415	416	415	416															
5	411	413	415	413															
10	402	404	409	406															
15	388	391	397	393															
20	369	372	382	375															
25	346	350	361	353															
30	318	322	336	326															
35	286	289	306	295															
40	251	254	273	259															
45	214	217	236	222															
50	177	179	199	184															
55	139	142	161	147															
60	102	106	123	110															
65	67.1	71.5	86.7	76.2															
70	37.5	42.4	52.7	45.9															
75	19.7	22.7	27.4	23.6															
80	11.7	13.1	13.7	12.1															
85	5.14	6.11	7.01	5.38															
90	3.58	3.55	1.55	1.25															
95	3.57	3.54	1.37	1.39															
100	3.56	3.54	1.54	1.56															
105	3.57	3.55	1.74	1.76															
110	3.59	3.57	1.94	1.97															
115	3.64	3.61	2.16	2.19															
120	3.71	3.67	2.39	2.42															
125	3.79	3.75	2.62	2.64															
130	3.88	3.83	2.84	2.87															
135	3.98	3.93	3.06	3.09															
140	4.09	4.04	3.29	3.32															
145	4.21	4.16	3.52	3.55															
150	4.34	4.29	3.74	3.78															
155	4.48	4.44	3.97	4.01															
160	4.62	4.59	4.20	4.26															
165	4.74	4.74	4.43	4.47															
170	4.84	4.85	4.62	4.66															
175	4.91	4.93	4.79	4.82															
180	4.90	4.93	4.90	4.93															

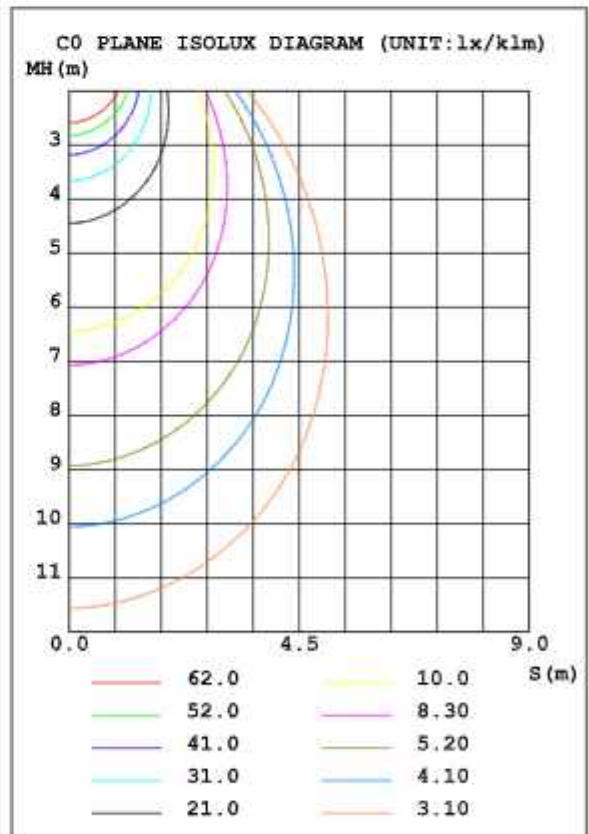
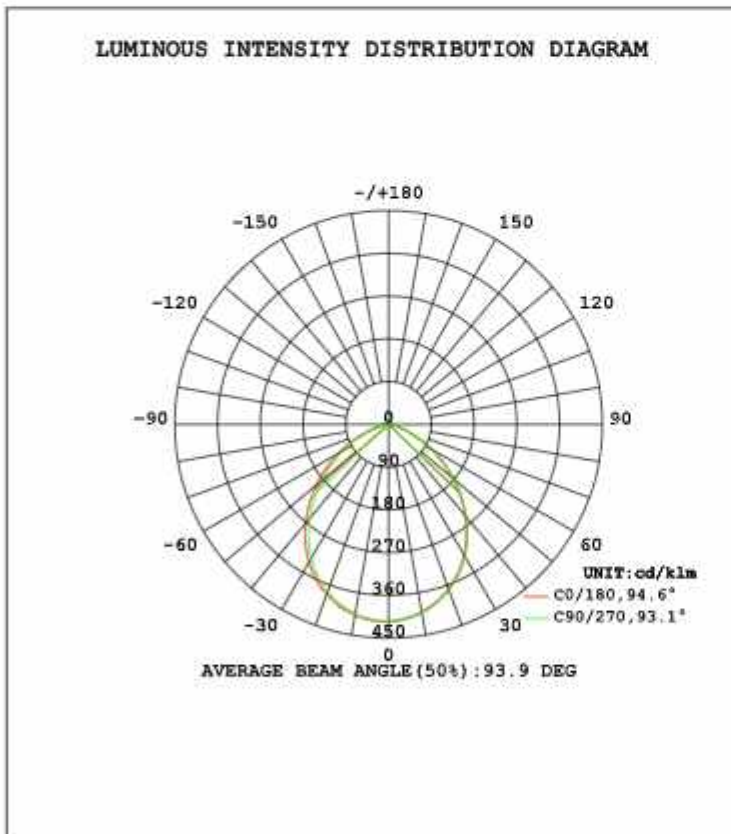
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.14 lm/W			
MODEL	6LMCT22LR05	Imax (cd/klm)	415.1	S/MH (C0/180)	1.15
NOMINAL POWER (W)	22	LOR (%)	92.5	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	925.48	$\eta$ UP, DN (C0-180)	1.2, 44.0
NOMINAL FLUX (lm)	2661.29	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.8, 46.6
LAMPS INSIDE	1	$\eta$ up (%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	$\eta$ down (%)	90.6	CIBSE SHR MAX	1.30



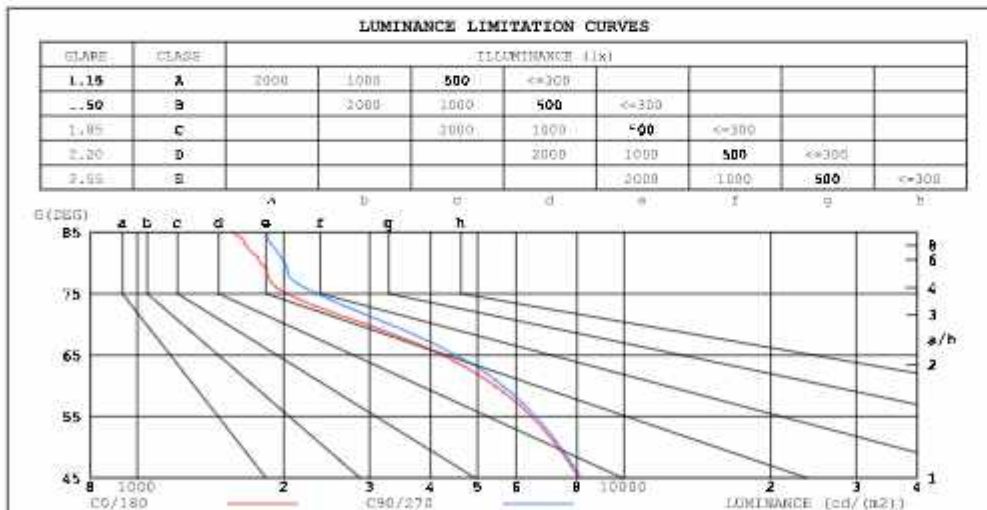
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp	
10	401.4	403.5	408.0	405.0				0- 10	39.11	39.11	4.23, 3.91	
20	368.8	371.9	381.2	374.9				10- 20	110.3	149.5	16.1, 14.9	
30	318.1	321.3	335.6	325.9				20- 30	162.0	311.4	33.6, 31.1	
40	251.0	253.7	272.2	259.0				30- 40	183.3	494.7	53.5, 49.5	
50	176.4	178.7	198.1	183.8				40- 50	171.0	665.7	71.9, 66.6	
60	102.0	105.9	122.6	110.2				50- 60	131.2	796.9	86.1, 79.7	
70	38.13	42.46	52.71	46.03				60- 70	75.04	871.9	94.2, 87.2	
80	11.67	13.11	13.71	12.13				70- 80	26.57	898.5	97.1, 89.8	
90	3.560	3.531	1.530	1.227				80- 90	7.035	905.5	97.8, 90.6	
100	3.544	3.517	1.527	1.542				90-100	2.678	908.2	98.1, 90.8	
110	3.573	3.548	1.923	1.945				100-110	2.786	911.0	98.4, 91.1	
120	3.687	3.651	2.366	2.395				110-120	2.859	913.8	98.7, 91.4	
130	3.860	3.806	2.823	2.847				120-130	2.848	916.7	99, 91.7	
140	4.067	4.014	3.268	3.295				130-140	2.703	919.4	99.3, 91.9	
150	4.321	4.266	3.721	3.756				140-150	2.405	921.8	99.6, 92.2	
160	4.600	4.569	4.184	4.224				150-160	1.941	923.7	99.8, 92.4	
170	4.821	4.825	4.602	4.630				160-170	1.289	925.0	100, 92.5	
180	4.880	4.905	4.877	4.901				170-180	0.4578	925.5	100, 92.5	
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm				



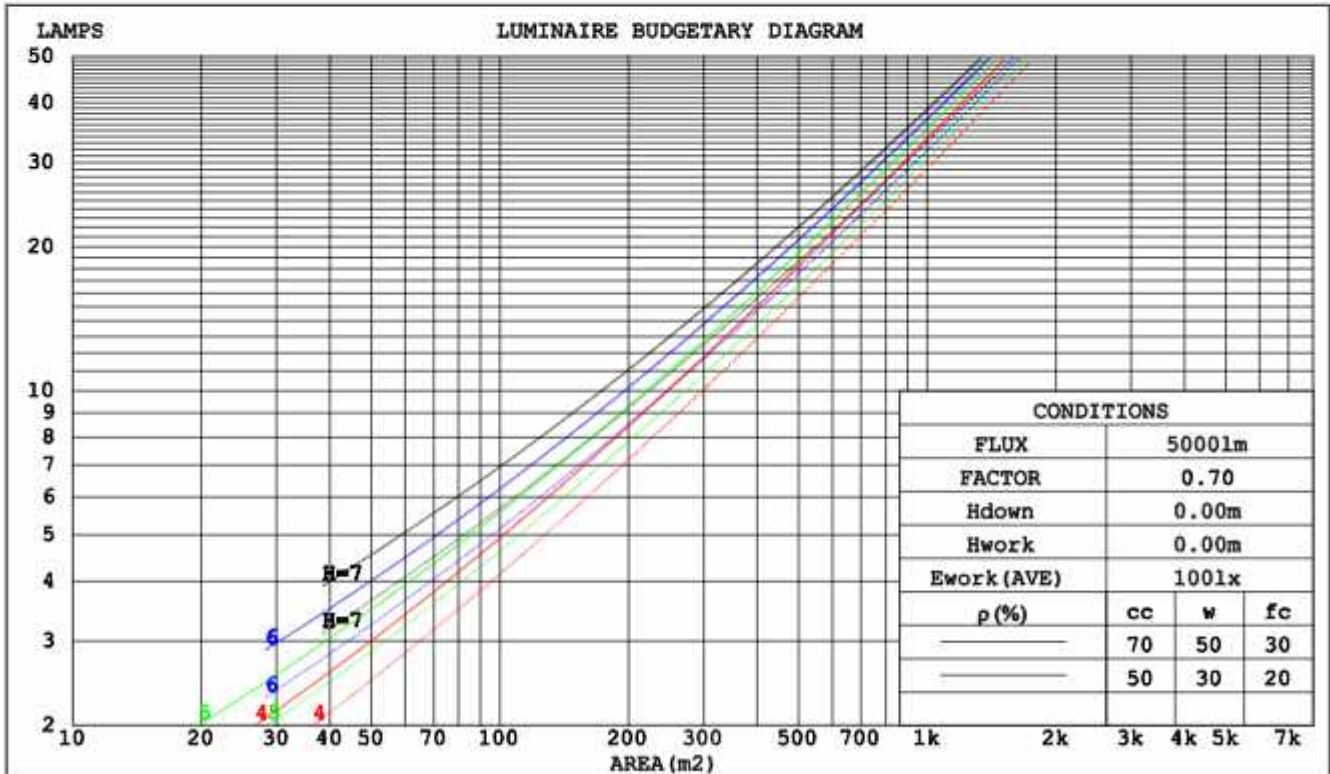
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	.97	.97	.97	.93	.93	.93	.91
1.0	.98	.95	.92	.96	.93	.90	.91	.89	.87	.88	.86	.84	.84	.82	.81	.79
2.0	.87	.81	.77	.85	.80	.76	.82	.77	.74	.78	.75	.72	.75	.72	.70	.68
3.0	.77	.71	.65	.76	.70	.65	.73	.68	.63	.70	.66	.62	.68	.64	.61	.59
4.0	.69	.62	.56	.68	.61	.56	.66	.60	.55	.63	.58	.54	.61	.57	.53	.51
5.0	.63	.55	.49	.61	.54	.49	.59	.53	.48	.57	.52	.48	.55	.51	.47	.45
6.0	.57	.49	.44	.56	.49	.43	.54	.48	.43	.52	.47	.42	.51	.46	.42	.40
7.0	.52	.44	.39	.51	.44	.39	.49	.43	.38	.48	.42	.38	.46	.41	.37	.36
8.0	.47	.40	.35	.47	.40	.35	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32
9.0	.44	.36	.32	.43	.36	.31	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29
10.0	.40	.33	.29	.40	.33	.29	.39	.33	.28	.38	.32	.28	.37	.32	.28	.27



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.243	.138	.044	.236	.135	.043	.223	.128	.041	.211	.121	.039	.199	.116	.037	
2.0	.234	.128	.039	.228	.126	.039	.216	.120	.037	.206	.115	.036	.196	.111	.035	
3.0	.221	.118	.035	.216	.115	.035	.205	.111	.034	.196	.107	.033	.187	.104	.032	
4.0	.207	.108	.032	.202	.106	.031	.193	.103	.031	.185	.099	.030	.177	.096	.029	
5.0	.194	.099	.029	.190	.097	.028	.182	.095	.028	.174	.092	.027	.167	.089	.027	
6.0	.182	.091	.026	.178	.090	.026	.171	.088	.025	.164	.085	.025	.158	.083	.025	
7.0	.171	.084	.024	.167	.083	.024	.161	.081	.023	.155	.079	.023	.149	.077	.023	
8.0	.161	.078	.022	.158	.078	.022	.152	.076	.022	.146	.074	.021	.141	.072	.021	
9.0	.151	.073	.020	.149	.072	.020	.143	.071	.020	.138	.069	.020	.134	.068	.020	
10.0	.143	.069	.019	.141	.068	.019	.136	.067	.019	.131	.065	.019	.127	.064	.018	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.179	.160	.143	.153	.138	.123	.105	.095	.085	.060	.055	.050	.019	.018	.016	
2.0	.170	.138	.110	.146	.119	.096	.100	.082	.067	.058	.048	.039	.018	.015	.013	
3.0	.162	.121	.088	.139	.104	.077	.095	.073	.054	.055	.042	.032	.018	.014	.010	
4.0	.155	.109	.073	.133	.094	.063	.091	.065	.045	.053	.038	.026	.017	.012	.009	
5.0	.148	.099	.062	.127	.085	.054	.088	.060	.038	.051	.035	.023	.016	.011	.007	
6.0	.142	.091	.054	.122	.079	.047	.084	.055	.033	.049	.032	.020	.016	.011	.007	
7.0	.136	.084	.048	.117	.073	.042	.081	.051	.030	.047	.030	.018	.015	.010	.006	
8.0	.130	.079	.044	.112	.069	.038	.078	.048	.027	.045	.028	.016	.015	.009	.005	
9.0	.125	.075	.040	.108	.065	.035	.075	.045	.025	.044	.027	.015	.014	.009	.005	
10.0	.120	.071	.037	.104	.061	.033	.072	.043	.023	.042	.025	.014	.014	.008	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.3	16.6	15.6	16.9	17.1	15.4	16.7	15.7	17.0	17.2
	3H	15.8	17.0	16.1	17.3	17.6	15.9	17.2	16.3	17.5	17.7
	4H	15.8	17.0	16.2	17.3	17.6	16.0	17.2	16.4	17.5	17.8
	6H	15.9	17.0	16.2	17.3	17.6	16.1	17.2	16.4	17.5	17.8
	8H	15.9	16.9	16.2	17.2	17.6	16.1	17.1	16.5	17.5	17.8
	12H	15.8	16.9	16.2	17.2	17.5	16.1	17.1	16.5	17.4	17.8
4H	2H	15.6	16.7	15.9	17.0	17.3	15.6	16.8	16.0	17.1	17.4
	3H	16.2	17.2	16.5	17.5	17.9	16.3	17.3	16.7	17.7	18.0
	4H	16.3	17.2	16.7	17.6	17.9	16.5	17.4	16.9	17.8	18.1
	6H	16.4	17.2	16.8	17.6	18.0	16.6	17.4	17.0	17.8	18.2
	8H	16.4	17.1	16.8	17.5	18.0	16.6	17.4	17.1	17.8	18.2
	12H	16.4	17.1	16.9	17.5	18.0	16.6	17.3	17.1	17.7	18.2
8H	4H	16.3	17.0	16.7	17.4	17.9	16.5	17.2	16.9	17.6	18.0
	6H	16.4	17.1	16.9	17.5	18.0	16.6	17.3	17.1	17.7	18.2
	8H	16.5	17.0	17.0	17.5	18.0	16.7	17.3	17.2	17.7	18.2
	12H	16.5	17.0	17.1	17.5	18.0	16.8	17.2	17.3	17.7	18.2
12H	4H	16.3	16.9	16.7	17.4	17.8	16.4	17.1	16.9	17.5	18.0
	6H	16.4	17.0	16.9	17.4	17.9	16.6	17.2	17.1	17.6	18.1
	8H	16.5	17.0	17.0	17.5	18.0	16.7	17.2	17.2	17.7	18.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

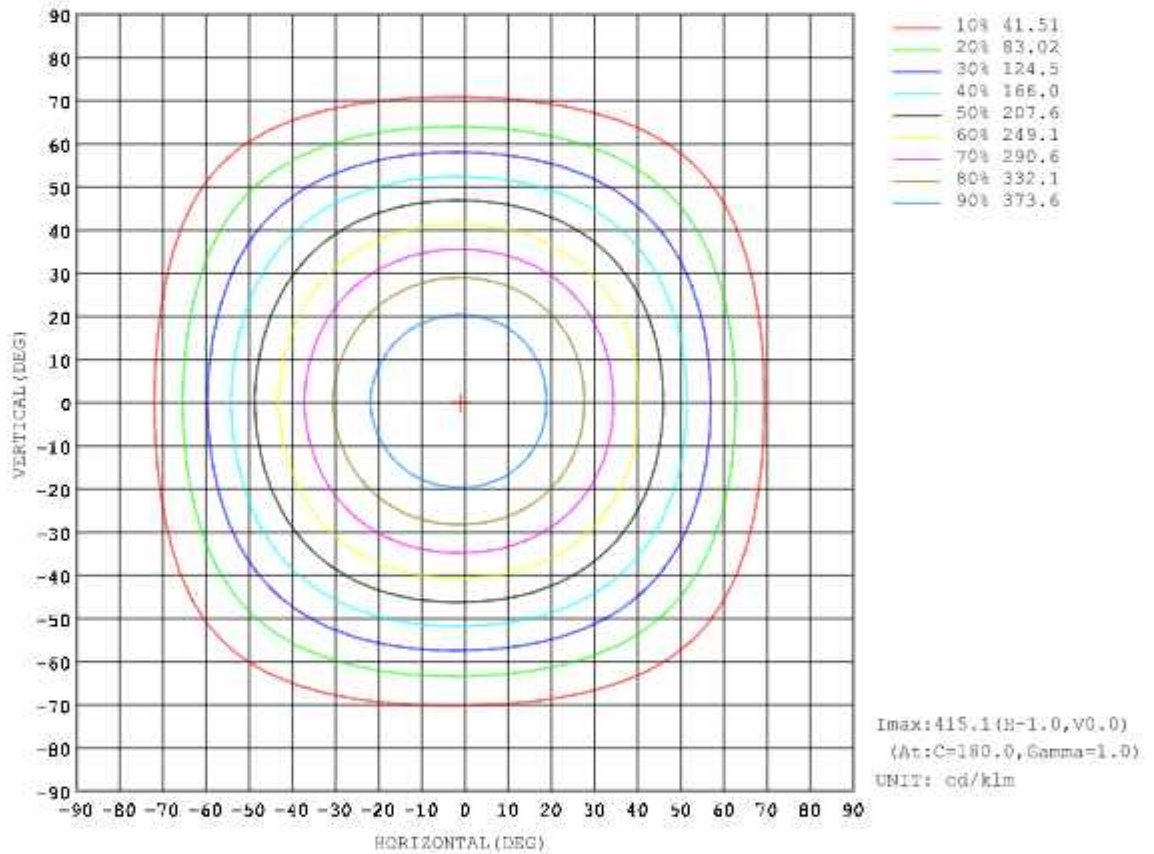
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	48	42	57	48	42	56	47	42	36
0.80	67	57	51	66	57	51	64	56	51	45
1.00	75	66	60	74	65	59	72	66	59	53
1.25	81	73	67	80	72	66	77	70	65	59
1.50	85	77	72	84	76	71	81	75	70	64
2.00	91	84	79	89	83	78	86	81	77	70
2.50	94	88	83	92	86	82	88	84	80	73
3.00	97	91	87	95	90	86	91	87	84	76
4.00	100	95	92	98	94	90	93	90	87	79
5.00	102	98	95	99	96	93	95	92	90	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



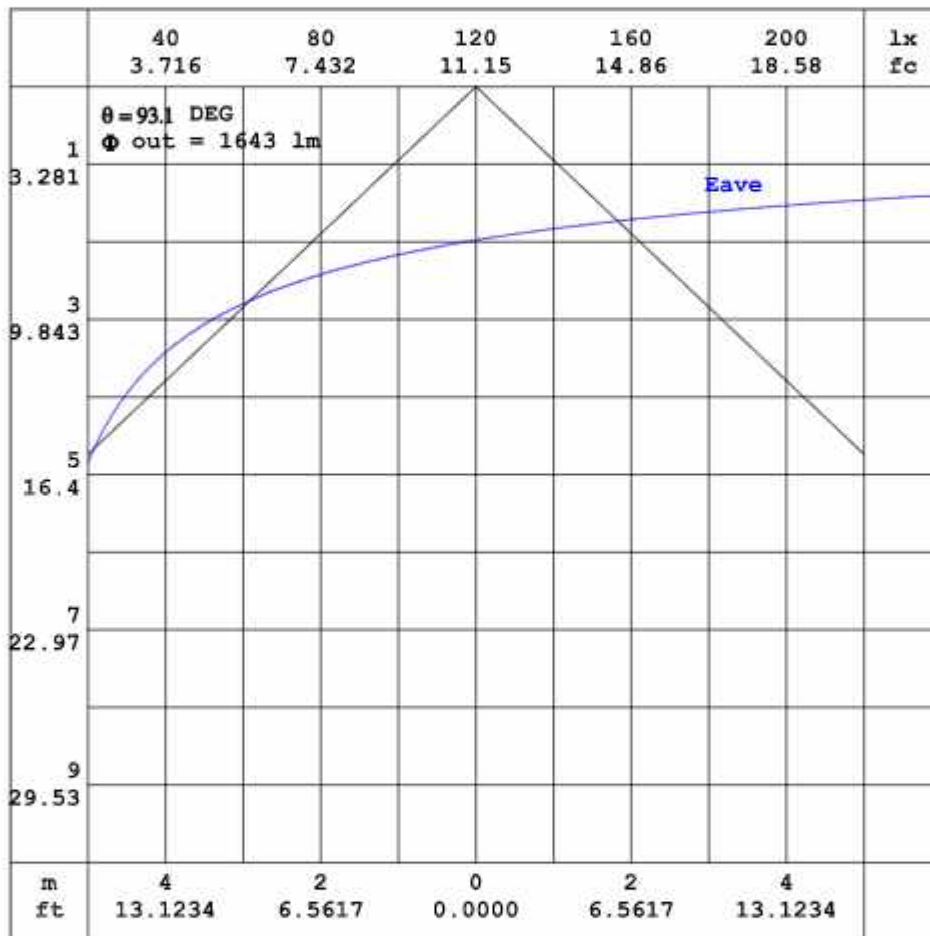
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



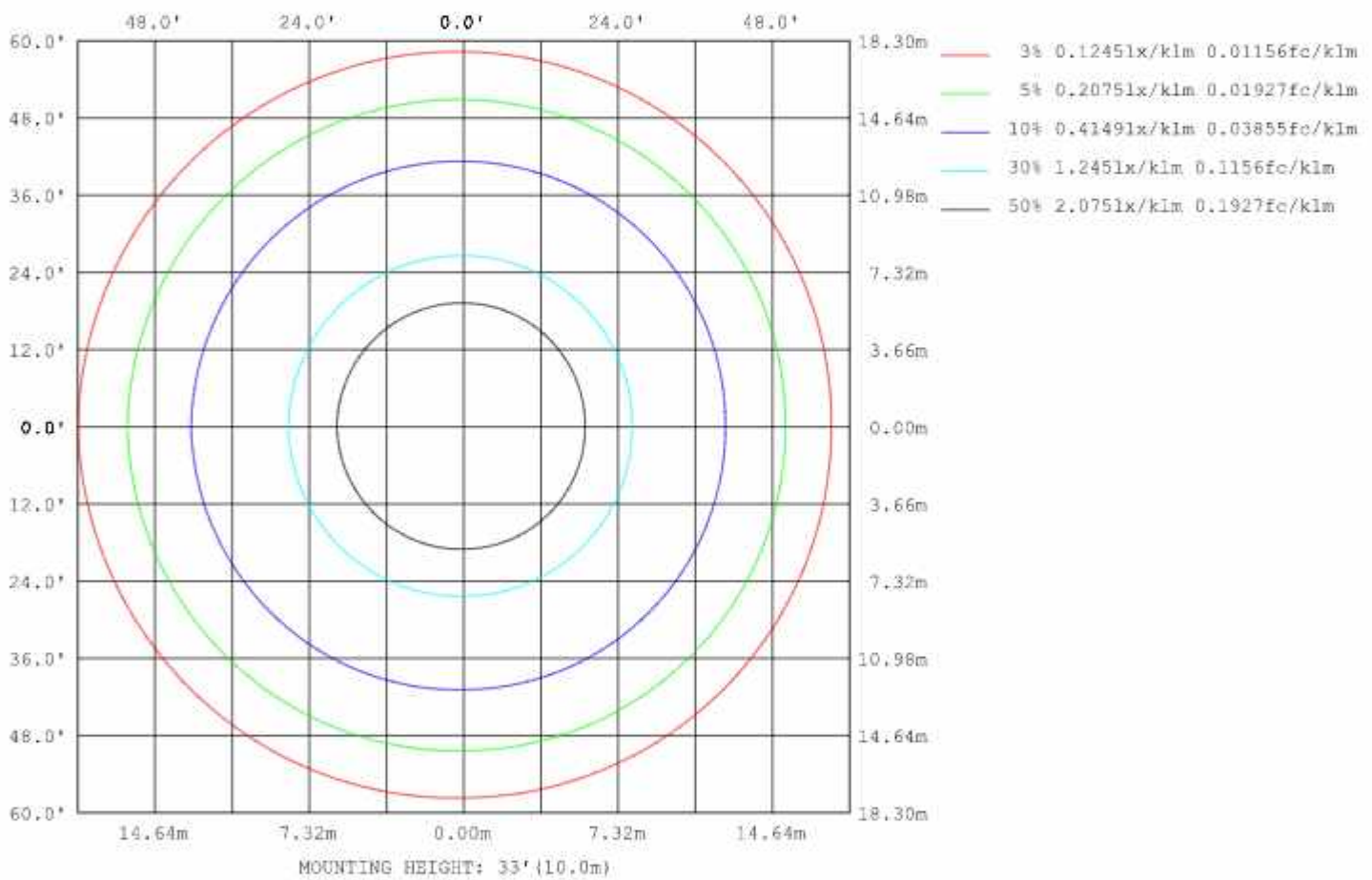
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

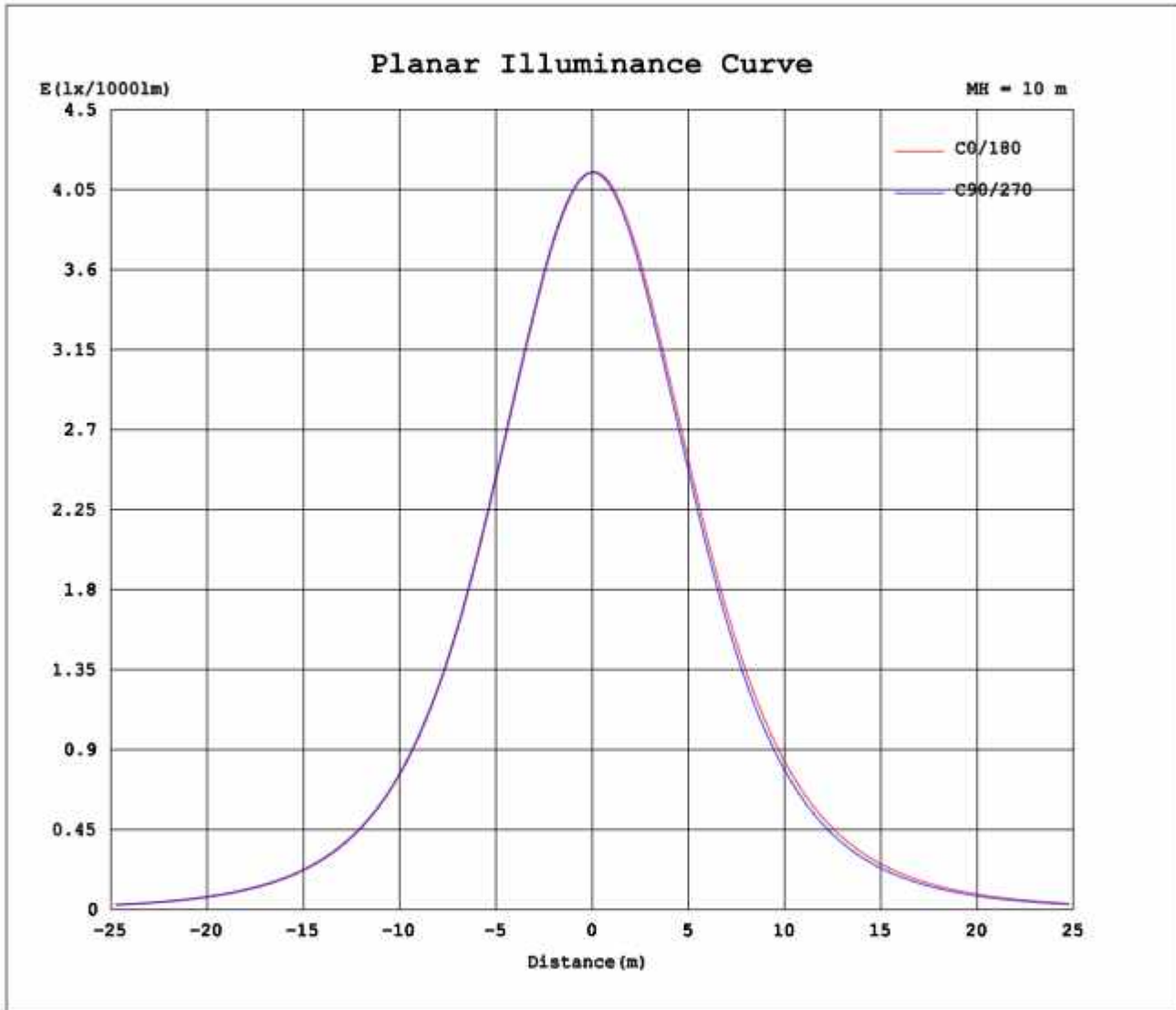
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270															
0	415	415	415	415															
5	411	412	414	413															
10	401	403	408	405															
15	387	390	397	392															
20	369	372	381	375															
25	346	349	361	353															
30	318	321	336	326															
35	286	289	305	294															
40	251	254	272	259															
45	214	216	236	222															
50	176	179	198	184															
55	139	142	160	146															
60	102	106	123	110															
65	67.2	71.4	86.3	76.2															
70	38.1	42.3	52.7	46.0															
75	19.7	22.7	27.4	23.6															
80	11.7	13.1	13.7	12.1															
85	5.11	6.07	6.99	5.36															
90	3.56	3.53	1.53	1.23															
95	3.55	3.52	1.35	1.37															
100	3.54	3.52	1.53	1.54															
105	3.55	3.52	1.72	1.74															
110	3.57	3.55	1.92	1.94															
115	3.62	3.59	2.14	2.17															
120	3.69	3.65	2.37	2.39															
125	3.77	3.73	2.59	2.62															
130	3.86	3.81	2.82	2.85															
135	3.96	3.90	3.05	3.07															
140	4.07	4.01	3.27	3.30															
145	4.19	4.13	3.49	3.52															
150	4.32	4.27	3.72	3.76															
155	4.46	4.42	3.95	3.99															
160	4.60	4.57	4.18	4.22															
165	4.72	4.71	4.40	4.44															
170	4.82	4.82	4.60	4.63															
175	4.88	4.91	4.77	4.79															
180	4.88	4.90	4.88	4.90															

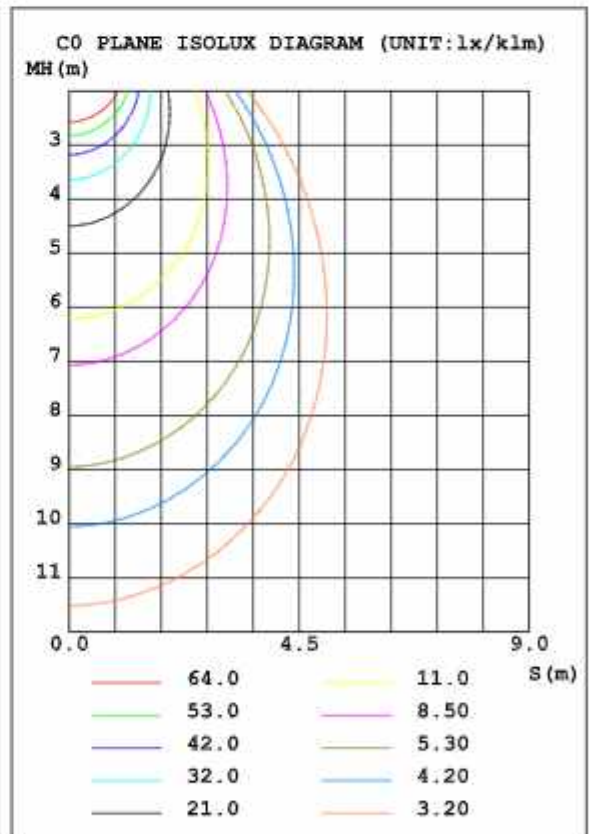
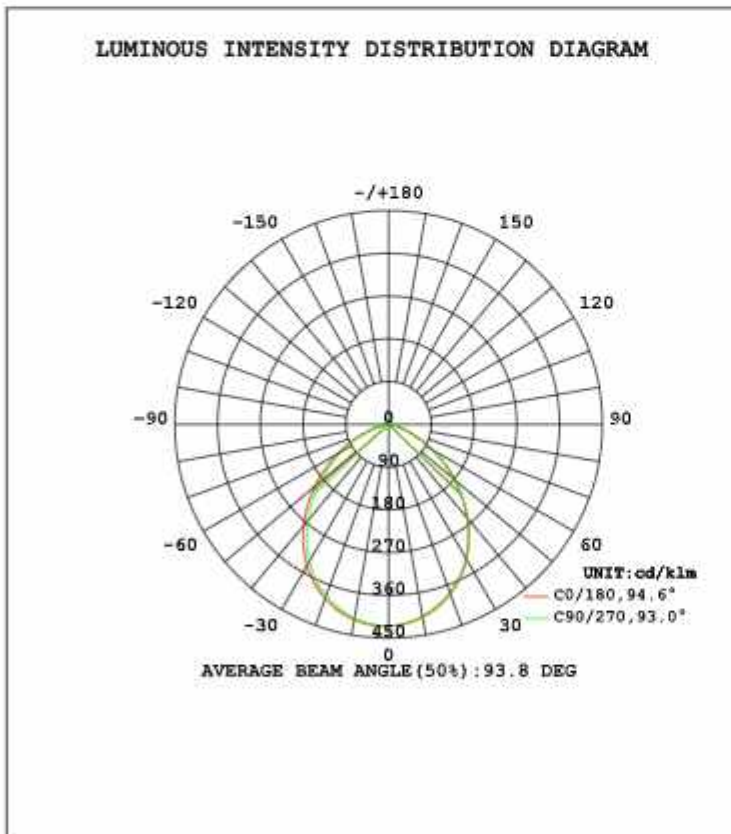
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	425.1	S/MH (C0/180)	1.15
NOMINAL POWER (W)	22	LOR (%)	94.8	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	947.58	$\eta$ UP, DN (C0-180)	1.2, 45.0
NOMINAL FLUX (lm)	2808.51	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.8, 47.7
LAMPS INSIDE	1	$\eta$ up (%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.8	$\eta$ down (%)	92.7	CIBSE SHR MAX	1.30



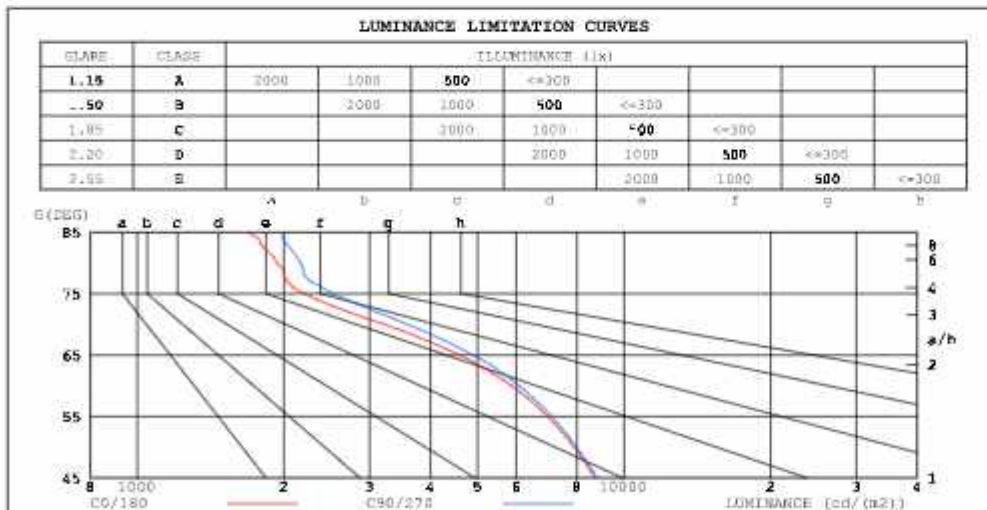
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270			$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp	
10	410.9	412.9	417.5	414.8			0- 10	40.03	40.03	4.22, 4	
20	377.7	380.8	390.3	384.0			10- 20	113.0	153.0	16.1, 15.3	
30	325.7	329.1	343.9	333.9			20- 30	165.9	318.9	33.7, 31.9	
40	257.1	259.7	278.6	265.2			30- 40	187.7	506.6	53.5, 50.7	
50	180.6	182.7	202.5	188.1			40- 50	175.0	681.6	71.9, 68.2	
60	104.5	108.3	125.3	112.8			50- 60	134.2	815.8	86.1, 81.6	
70	39.21	43.67	54.06	47.41			60- 70	76.96	892.7	94.2, 89.3	
80	11.94	13.41	14.04	12.44			70- 80	27.32	920.0	97.1, 92	
90	3.629	3.603	1.547	1.246			80- 90	7.192	927.2	97.9, 92.7	
100	3.614	3.581	1.553	1.567			90-100	2.726	930.0	98.1, 93	
110	3.641	3.615	1.960	1.985			100-110	2.838	932.8	98.4, 93.3	
120	3.758	3.724	2.411	2.440			110-120	2.914	935.7	98.7, 93.6	
130	3.933	3.885	2.878	2.899			120-130	2.904	938.6	99.1, 93.9	
140	4.149	4.095	3.334	3.356			130-140	2.756	941.4	99.3, 94.1	
150	4.405	4.351	3.797	3.830			140-150	2.453	943.8	99.6, 94.4	
160	4.694	4.666	4.267	4.304			150-160	1.980	945.8	99.8, 94.6	
170	4.917	4.923	4.698	4.721			160-170	1.315	947.1	100, 94.7	
180	4.981	5.000	4.980	4.997			170-180	0.4672	947.6	100, 94.8	
DEG	LUMINOUS INTENSITY:cd/klm						UNIT:lm/klm				



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	1681	1996
80	1932	2168
75	2200	2529
70	3220	3586
65	4591	4902
60	5872	6081
55	6958	7093
50	7893	7983
45	8708	8796

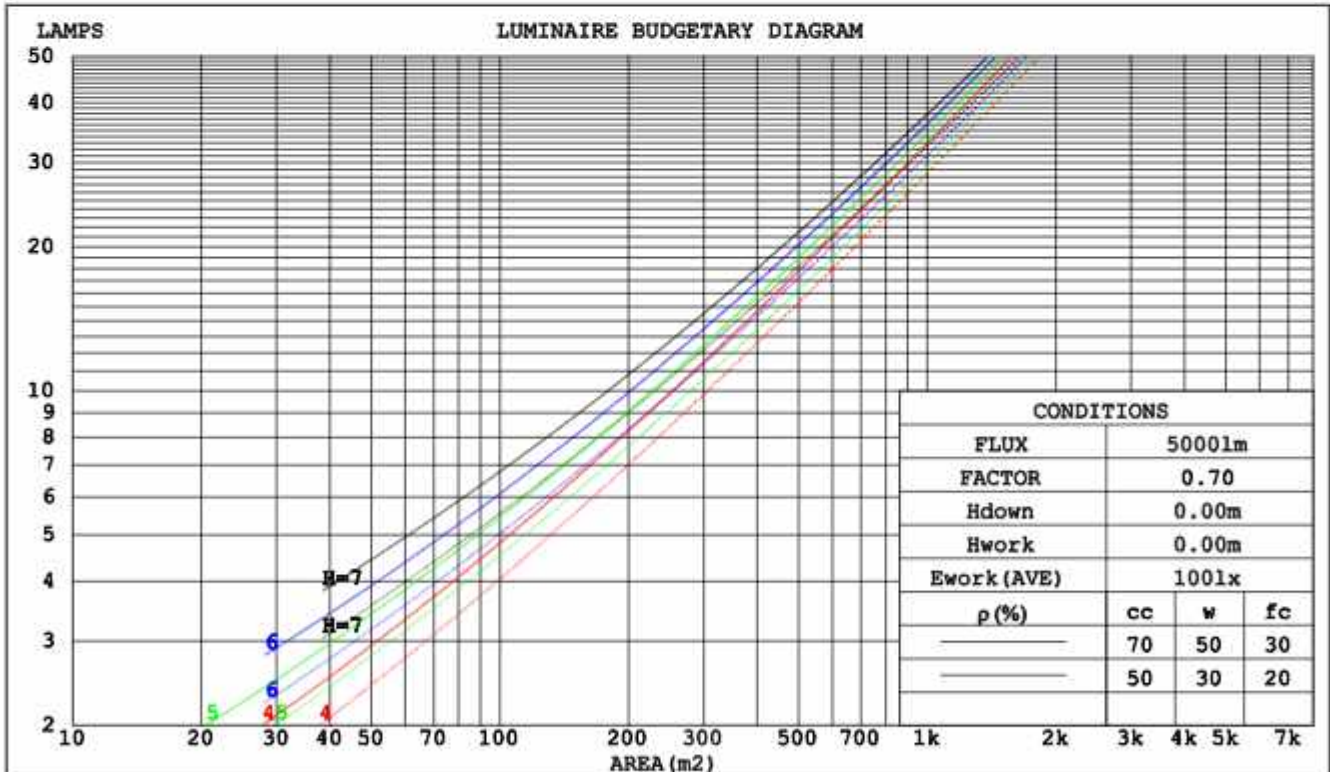
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.95	.95	.95	.93
1.0	1.00	.97	.94	.98	.95	.92	.94	.91	.89	.90	.88	.86	.86	.84	.83	.81
2.0	.89	.83	.79	.87	.82	.78	.84	.79	.75	.80	.77	.73	.77	.74	.72	.70
3.0	.79	.72	.67	.78	.71	.66	.75	.69	.65	.72	.67	.63	.69	.65	.62	.60
4.0	.71	.64	.58	.70	.63	.57	.67	.61	.56	.65	.60	.55	.63	.58	.54	.52
5.0	.64	.56	.50	.63	.56	.50	.61	.54	.49	.59	.53	.49	.57	.52	.48	.46
6.0	.58	.50	.45	.57	.50	.44	.55	.49	.44	.53	.48	.43	.52	.47	.43	.41
7.0	.53	.45	.40	.52	.45	.40	.50	.44	.39	.49	.43	.39	.48	.42	.38	.37
8.0	.48	.41	.36	.48	.41	.36	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33
9.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.35	.31	.30
10.0	.41	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.38	.33	.29	.27



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.249	.141	.045	.242	.138	.044	.228	.131	.042	.216	.124	.040	.204	.118	.038	
2.0	.240	.131	.040	.234	.129	.040	.222	.123	.038	.211	.118	.037	.201	.114	.036	
3.0	.226	.120	.036	.221	.118	.036	.210	.114	.035	.201	.110	.034	.192	.106	.033	
4.0	.212	.110	.032	.207	.108	.032	.198	.105	.031	.189	.102	.031	.181	.099	.030	
5.0	.199	.101	.029	.194	.100	.029	.186	.097	.029	.178	.094	.028	.171	.091	.027	
6.0	.186	.093	.027	.182	.092	.027	.175	.090	.026	.168	.087	.026	.161	.085	.025	
7.0	.175	.086	.024	.171	.085	.024	.165	.083	.024	.158	.081	.024	.153	.079	.023	
8.0	.164	.080	.023	.161	.079	.022	.155	.078	.022	.150	.076	.022	.144	.074	.022	
9.0	.155	.075	.021	.152	.074	.021	.147	.073	.021	.142	.071	.020	.137	.069	.020	
10.0	.147	.070	.020	.144	.070	.019	.139	.068	.019	.134	.067	.019	.130	.065	.019	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.183	.164	.147	.157	.141	.126	.107	.097	.087	.062	.056	.051	.020	.018	.016	
2.0	.174	.141	.113	.149	.121	.098	.102	.084	.068	.059	.049	.040	.019	.016	.013	
3.0	.166	.124	.090	.142	.107	.078	.098	.074	.055	.056	.043	.032	.018	.014	.011	
4.0	.159	.111	.075	.136	.096	.065	.094	.067	.046	.054	.039	.027	.017	.013	.009	
5.0	.152	.101	.064	.130	.087	.055	.090	.061	.039	.052	.036	.023	.017	.012	.008	
6.0	.145	.093	.055	.125	.081	.048	.086	.056	.034	.050	.033	.020	.016	.011	.007	
7.0	.139	.086	.049	.120	.075	.043	.083	.052	.030	.048	.031	.018	.016	.010	.006	
8.0	.134	.081	.045	.115	.070	.039	.080	.049	.028	.046	.029	.016	.015	.010	.005	
9.0	.128	.076	.041	.110	.066	.036	.076	.046	.025	.045	.027	.015	.014	.009	.005	
10.0	.123	.072	.038	.106	.063	.033	.074	.044	.024	.043	.026	.014	.014	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:



## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.4	16.7	15.6	16.9	17.2	15.4	16.8	15.7	17.0	17.3
	3H	15.9	17.1	16.2	17.4	17.6	16.0	17.3	16.3	17.5	17.8
	4H	15.9	17.1	16.3	17.4	17.7	16.1	17.3	16.5	17.6	17.9
	6H	16.0	17.1	16.3	17.4	17.7	16.2	17.3	16.5	17.6	17.9
	8H	15.9	17.0	16.3	17.3	17.7	16.2	17.2	16.5	17.5	17.9
	12H	15.9	17.0	16.3	17.3	17.6	16.2	17.2	16.5	17.5	17.9
4H	2H	15.6	16.8	16.0	17.1	17.4	15.7	16.9	16.1	17.2	17.5
	3H	16.3	17.3	16.6	17.6	17.9	16.4	17.4	16.8	17.8	18.1
	4H	16.4	17.3	16.8	17.7	18.0	16.6	17.5	17.0	17.8	18.2
	6H	16.5	17.3	16.9	17.7	18.1	16.7	17.5	17.1	17.9	18.3
	8H	16.5	17.2	16.9	17.6	18.1	16.7	17.5	17.1	17.9	18.3
	12H	16.5	17.2	16.9	17.6	18.0	16.7	17.4	17.2	17.8	18.3
8H	4H	16.4	17.1	16.8	17.5	18.0	16.6	17.3	17.0	17.7	18.1
	6H	16.5	17.1	17.0	17.6	18.1	16.7	17.3	17.2	17.8	18.3
	8H	16.6	17.1	17.1	17.6	18.1	16.8	17.3	17.3	17.8	18.3
	12H	16.6	17.1	17.1	17.6	18.1	16.9	17.3	17.4	17.8	18.3
12H	4H	16.3	17.0	16.8	17.5	17.9	16.5	17.2	17.0	17.6	18.1
	6H	16.5	17.1	17.0	17.5	18.0	16.7	17.3	17.2	17.7	18.2
	8H	16.6	17.1	17.1	17.6	18.1	16.8	17.3	17.3	17.8	18.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

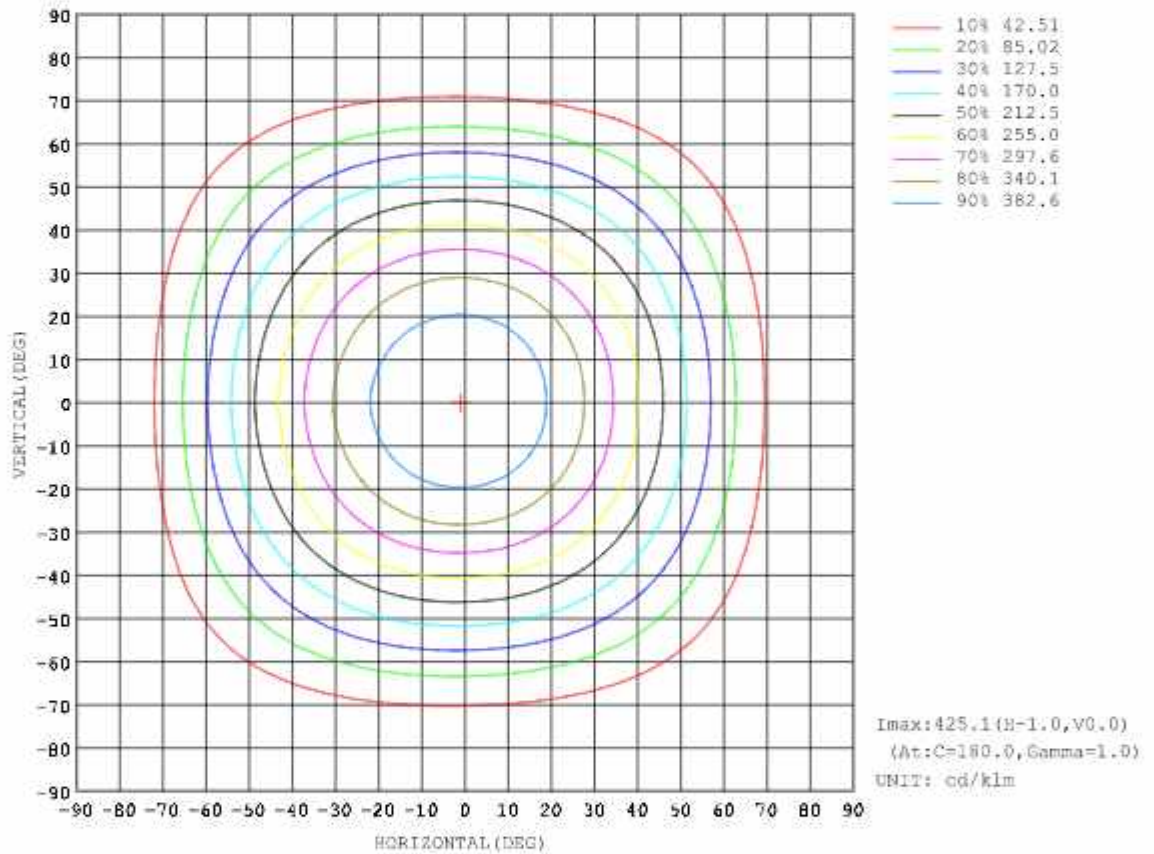
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	59	49	43	58	49	43	57	48	43	37
0.80	69	59	52	68	58	52	66	57	52	46
1.00	77	67	61	75	67	61	73	67	60	54
1.25	83	74	68	82	74	68	79	72	67	61
1.50	87	79	73	86	78	73	83	77	72	65
2.00	93	86	81	91	85	80	88	83	78	71
2.50	96	90	85	94	89	84	91	86	82	74
3.00	99	93	89	97	92	88	93	89	86	78
4.00	102	98	94	100	96	92	96	92	90	81
5.00	104	100	97	102	98	95	97	95	92	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

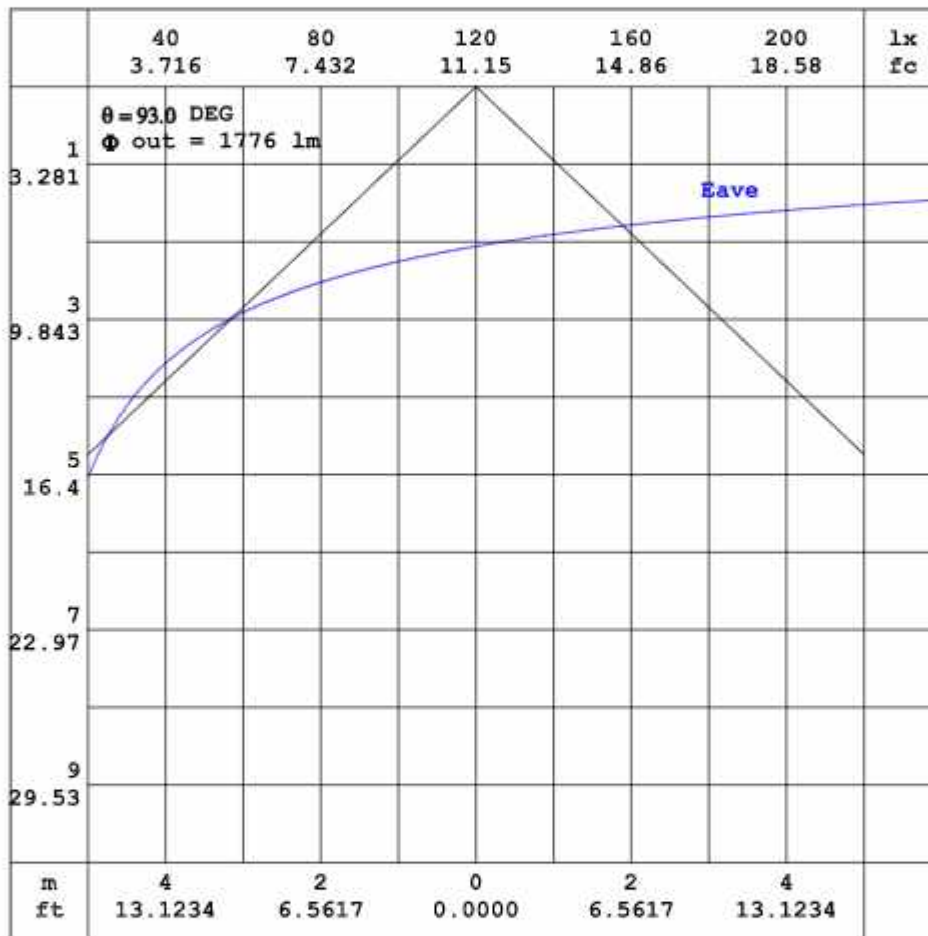


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



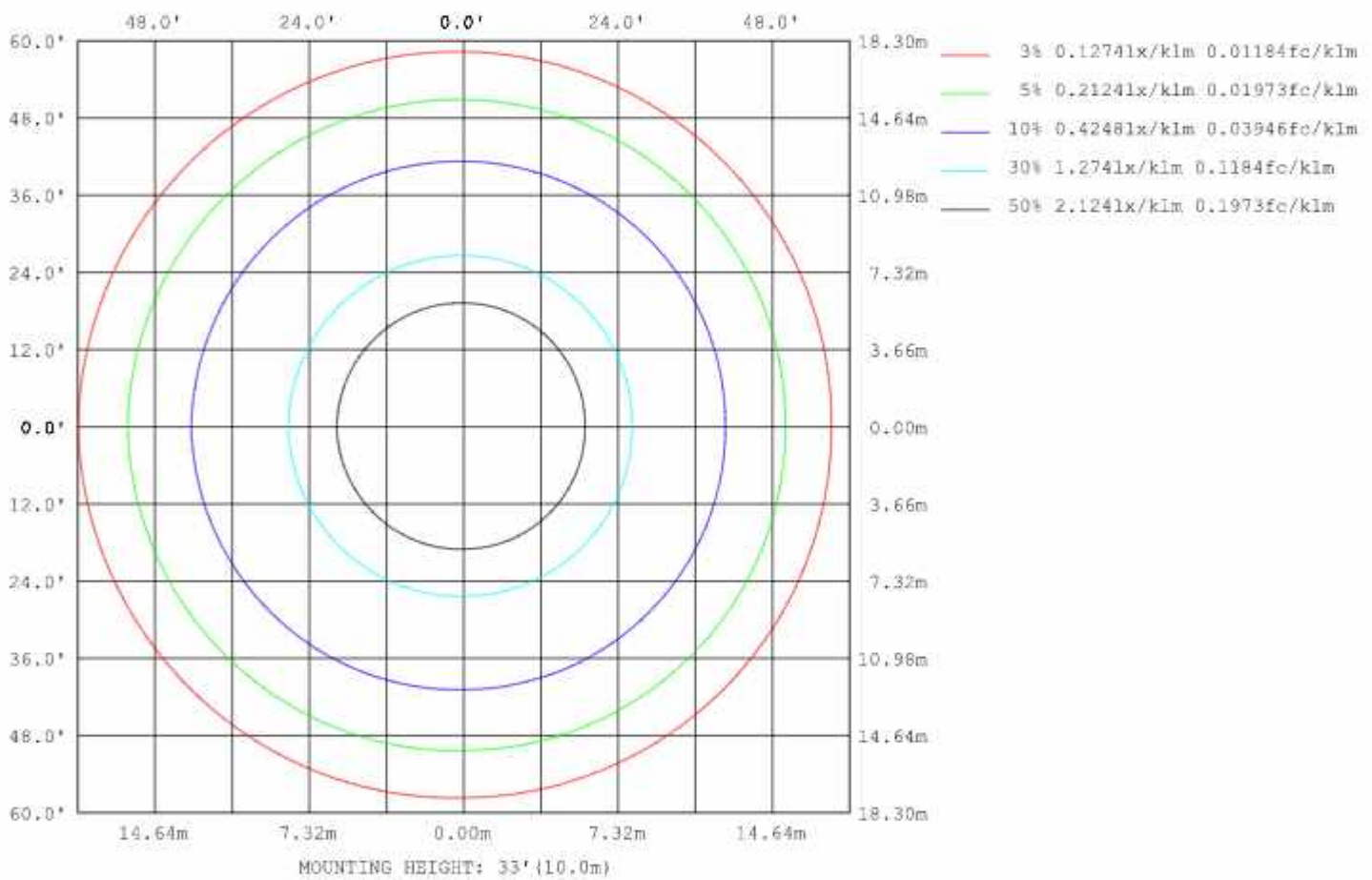
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

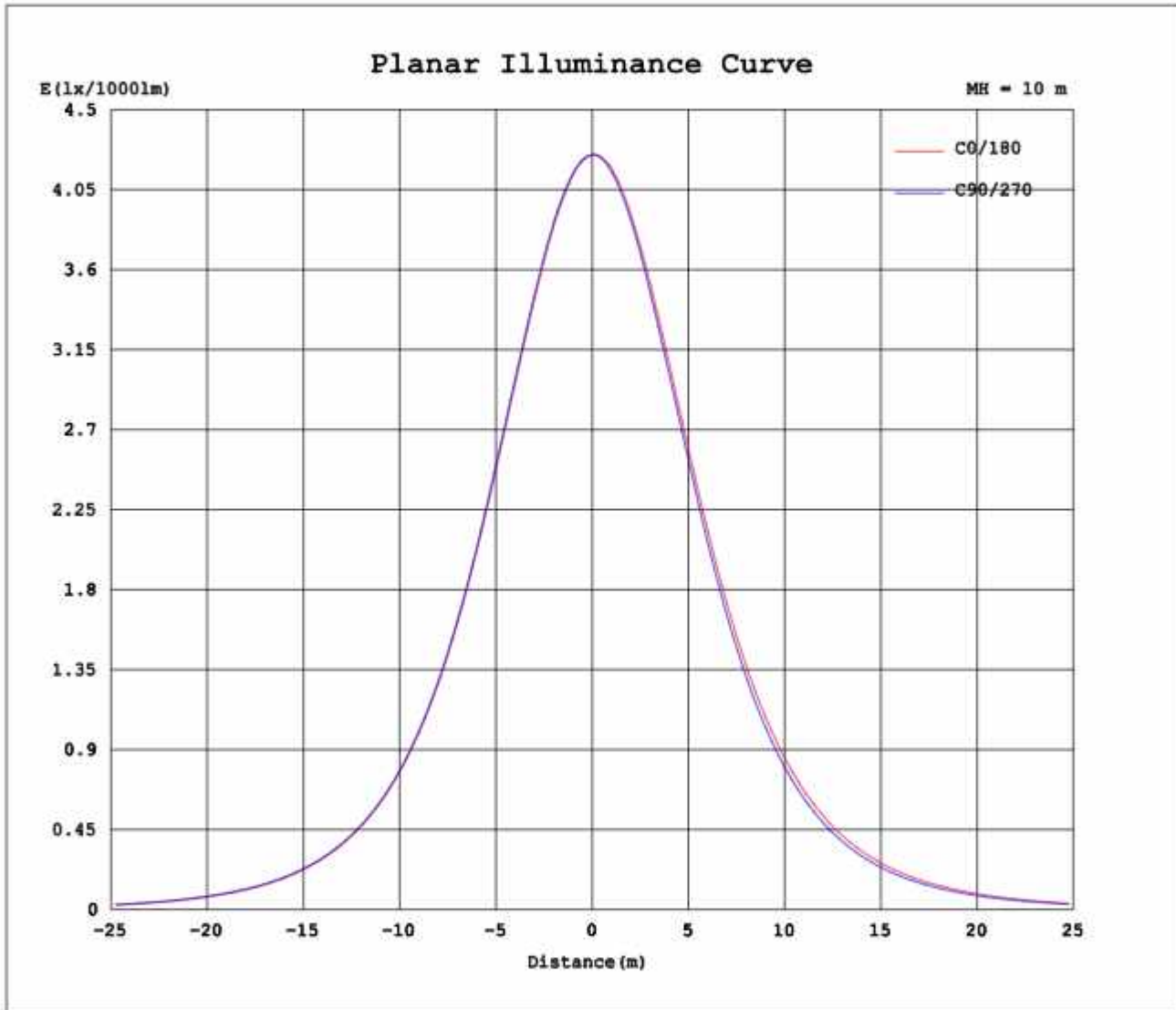
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270																
0	425	425	425	425																
5	420	421	424	422																
10	411	413	418	415																
15	397	399	406	402																
20	378	381	390	384																
25	354	358	370	362																
30	326	329	344	334																
35	293	296	313	301																
40	257	260	279	265																
45	219	221	241	227																
50	181	183	203	188																
55	142	145	164	150																
60	105	108	125	113																
65	69.1	73.8	88.2	78.2																
70	39.2	43.7	54.1	47.4																
75	20.3	23.3	28.1	24.4																
80	11.9	13.4	14.0	12.4																
85	5.22	6.19	7.15	5.49																
90	3.63	3.60	1.55	1.25																
95	3.62	3.58	1.38	1.39																
100	3.61	3.58	1.55	1.57																
105	3.62	3.59	1.75	1.76																
110	3.64	3.62	1.96	1.99																
115	3.69	3.66	2.18	2.21																
120	3.76	3.72	2.41	2.44																
125	3.84	3.80	2.65	2.67																
130	3.93	3.88	2.88	2.90																
135	4.04	3.98	3.10	3.13																
140	4.15	4.09	3.33	3.36																
145	4.27	4.22	3.56	3.59																
150	4.41	4.35	3.80	3.83																
155	4.55	4.51	4.03	4.07																
160	4.69	4.67	4.27	4.30																
165	4.82	4.81	4.50	4.53																
170	4.92	4.92	4.70	4.72																
175	4.98	5.01	4.87	4.88																
180	4.98	5.00	4.98	5.00																

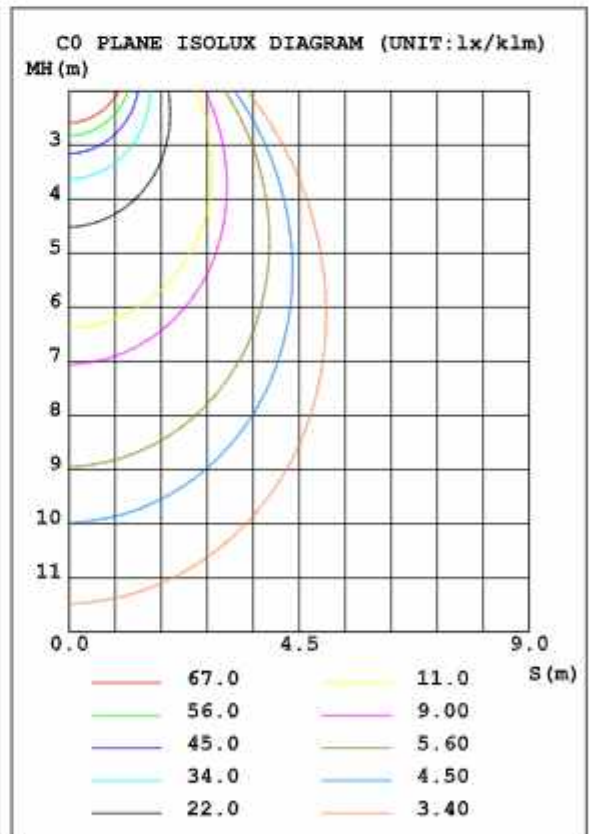
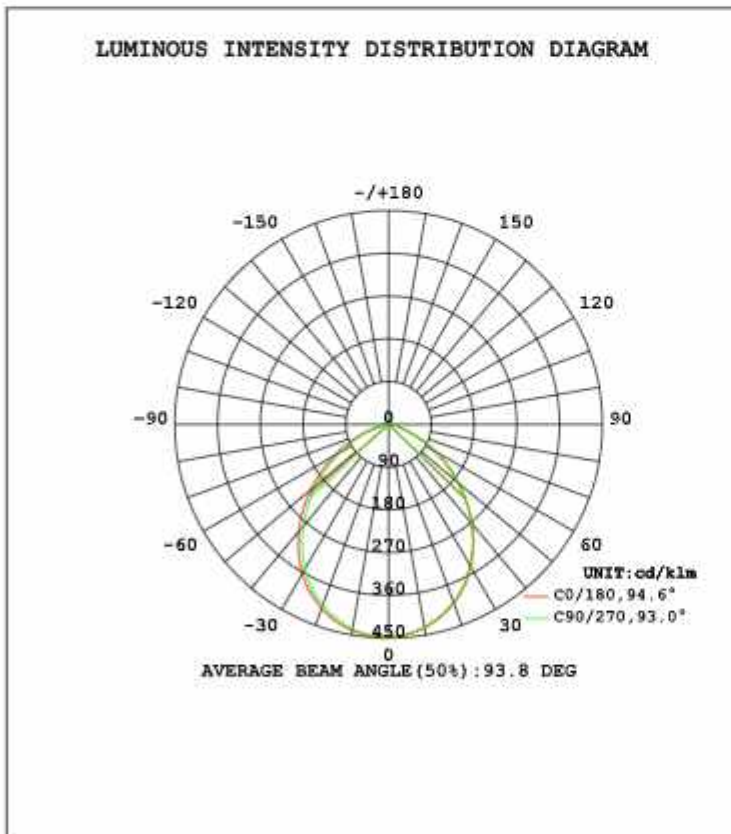
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	448.5	S/MH (C0/180)	1.15
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	$\eta$ UP, DN (C0-180)	1.3, 47.5
NOMINAL FLUX (lm)	2808.51	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.9, 50.3
LAMPS INSIDE	1	$\eta$ up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.8	$\eta$ down (%)	97.9	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

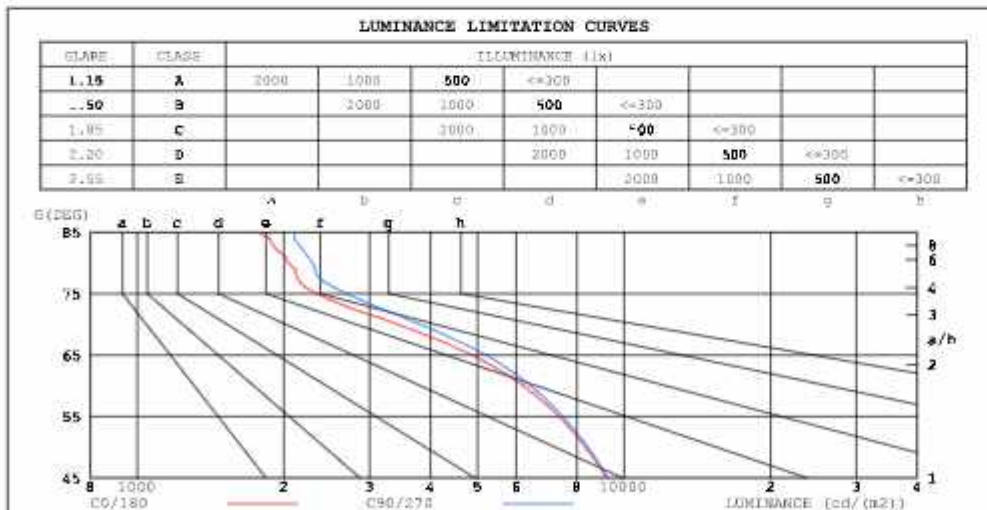
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp	
10	433.7	435.3	440.8	437.3				0- 10	42.23	42.23	4.22, 4.22	
20	398.7	401.6	412.3	404.9				10- 20	119.2	161.4	16.1, 16.1	
30	344.0	347.3	363.6	352.1				20- 30	175.1	336.6	33.7, 33.7	
40	271.4	273.9	294.1	279.5				30- 40	198.1	534.7	53.5, 53.5	
50	190.5	192.7	213.6	198.0				40- 50	184.6	719.2	71.9, 71.9	
60	110.6	114.3	132.1	118.8				50- 60	141.4	860.7	86.1, 86.1	
70	41.69	46.40	57.24	50.13				60- 70	81.38	942.0	94.2, 94.2	
80	12.62	14.18	14.86	13.13				70- 80	28.97	971.0	97.1, 97.1	
90	3.821	3.787	1.634	1.303				80- 90	7.584	978.6	97.9, 97.9	
100	3.804	3.770	1.630	1.642				90-100	2.867	981.5	98.1, 98.1	
110	3.833	3.805	2.059	2.075				100-110	2.984	984.4	98.4, 98.4	
120	3.960	3.917	2.540	2.560				110-120	3.065	987.5	98.8, 98.8	
130	4.141	4.089	3.024	3.046				120-130	3.054	990.6	99.1, 99.1	
140	4.371	4.308	3.510	3.531				130-140	2.900	993.5	99.3, 99.3	
150	4.645	4.577	4.001	4.029				140-150	2.582	996.0	99.6, 99.6	
160	4.944	4.908	4.495	4.533				150-160	2.084	998.1	99.8, 99.8	
170	5.178	5.182	4.949	4.969				160-170	1.385	999.5	100, 100	
180	5.246	5.274	5.246	5.257				170-180	0.4919	1000	100, 100	
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm				



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	1767	2109
80	2041	2293
75	2332	2686
70	3423	3810
65	4869	5208
60	6211	6421
55	7348	7480
50	8325	8419
45	9188	9270

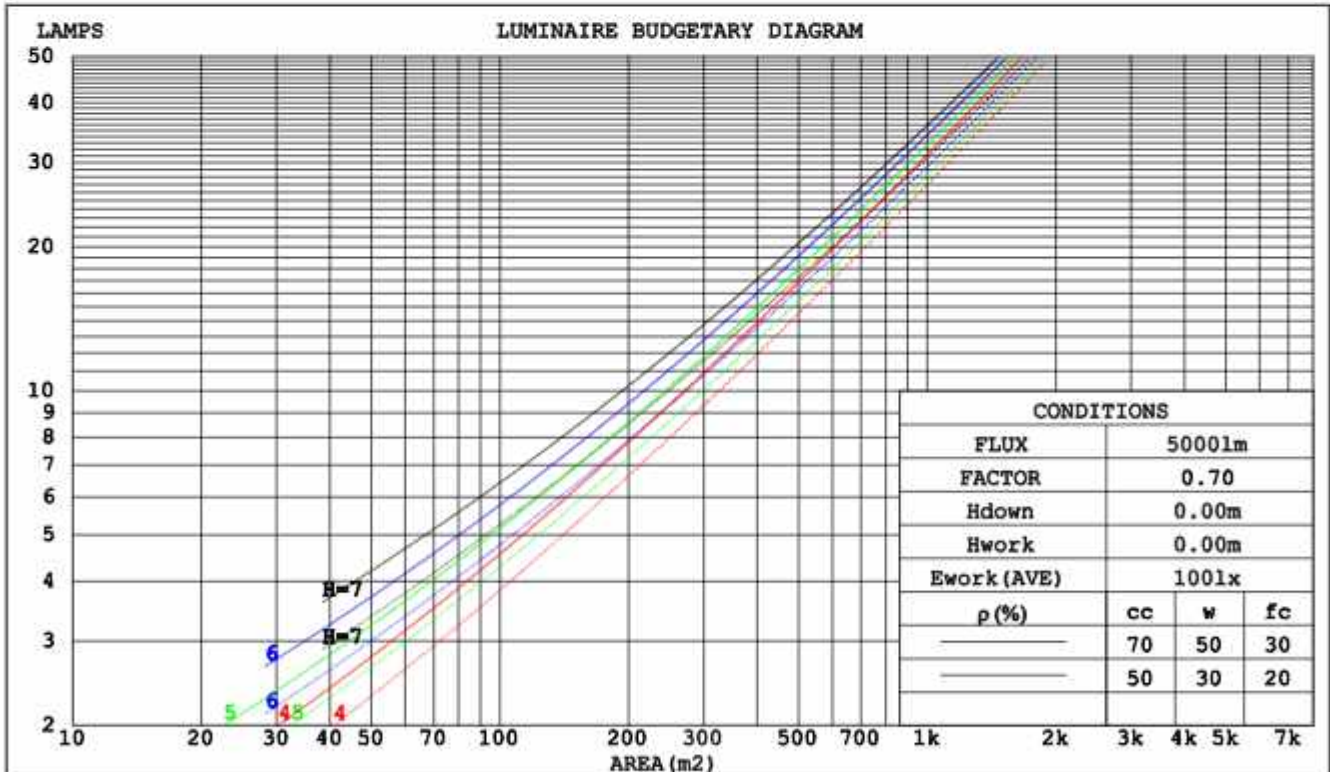
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.06	1.02	.99	1.03	1.00	.97	.99	.96	.94	.95	.92	.90	.91	.89	.87	.85
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.85	.81	.78	.81	.78	.76	.73
3.0	.84	.76	.71	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.66	.63
4.0	.75	.67	.61	.74	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.68	.59	.53	.66	.59	.53	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.55	.49	.45	.43
7.0	.56	.48	.42	.55	.47	.42	.53	.46	.41	.52	.45	.41	.50	.45	.40	.39
8.0	.51	.43	.38	.50	.43	.38	.49	.42	.37	.48	.41	.37	.46	.41	.37	.35
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.31
10.0	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.34	.30	.29



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.263	.149	.047	.255	.145	.046	.241	.138	.044	.228	.131	.042	.216	.125	.040	
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.223	.125	.039	.212	.120	.038	
3.0	.239	.127	.038	.233	.125	.038	.222	.120	.037	.212	.116	.036	.202	.112	.035	
4.0	.224	.116	.034	.219	.114	.034	.209	.111	.033	.200	.107	.032	.191	.104	.032	
5.0	.210	.107	.031	.205	.105	.031	.196	.102	.030	.188	.099	.030	.181	.097	.029	
6.0	.197	.099	.028	.192	.097	.028	.185	.095	.028	.177	.092	.027	.170	.090	.027	
7.0	.184	.091	.026	.181	.090	.026	.174	.088	.025	.167	.086	.025	.161	.084	.025	
8.0	.174	.085	.024	.170	.084	.024	.164	.082	.023	.158	.080	.023	.152	.078	.023	
9.0	.164	.079	.022	.161	.078	.022	.155	.077	.022	.149	.075	.021	.144	.073	.021	
10.0	.155	.074	.021	.152	.073	.020	.147	.072	.020	.142	.070	.020	.137	.069	.020	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.155	.166	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.184	.149	.119	.157	.128	.103	.108	.089	.072	.062	.052	.042	.020	.017	.014	
3.0	.175	.131	.095	.150	.113	.083	.103	.078	.058	.060	.046	.034	.019	.015	.011	
4.0	.167	.117	.079	.144	.101	.068	.099	.071	.048	.057	.041	.029	.018	.013	.009	
5.0	.160	.107	.067	.138	.092	.058	.095	.064	.041	.055	.038	.024	.018	.012	.008	
6.0	.153	.098	.058	.132	.085	.051	.091	.059	.036	.053	.035	.021	.017	.011	.007	
7.0	.147	.091	.052	.126	.079	.045	.087	.055	.032	.051	.033	.019	.016	.011	.006	
8.0	.141	.085	.047	.121	.074	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	
9.0	.135	.080	.043	.116	.070	.038	.081	.049	.027	.047	.029	.016	.015	.010	.005	
10.0	.130	.076	.040	.112	.066	.035	.078	.047	.025	.045	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	15.5	16.9	15.8	17.1	17.4	15.6	17.0	15.9	17.2	17.5
	3H	16.1	17.3	16.4	17.6	17.8	16.2	17.5	16.5	17.7	18.0
	4H	16.1	17.3	16.5	17.6	17.9	16.3	17.5	16.7	17.8	18.1
	6H	16.2	17.3	16.5	17.6	17.9	16.4	17.5	16.7	17.8	18.1
	8H	16.1	17.2	16.5	17.5	17.9	16.4	17.4	16.7	17.7	18.1
	12H	16.1	17.2	16.5	17.5	17.8	16.4	17.4	16.7	17.7	18.1
4H	2H	15.8	17.0	16.2	17.3	17.6	15.9	17.1	16.3	17.4	17.7
	3H	16.5	17.5	16.8	17.8	18.1	16.6	17.6	17.0	18.0	18.3
	4H	16.6	17.5	17.0	17.9	18.2	16.8	17.7	17.2	18.0	18.4
	6H	16.7	17.5	17.1	17.9	18.3	16.9	17.7	17.3	18.1	18.5
	8H	16.7	17.4	17.1	17.8	18.3	16.9	17.7	17.3	18.1	18.5
	12H	16.7	17.4	17.2	17.8	18.3	16.9	17.6	17.4	18.0	18.5
8H	4H	16.6	17.3	17.0	17.7	18.2	16.8	17.5	17.2	17.9	18.3
	6H	16.7	17.4	17.2	17.8	18.3	16.9	17.6	17.4	18.0	18.5
	8H	16.8	17.3	17.3	17.8	18.3	17.0	17.6	17.5	18.0	18.5
	12H	16.8	17.3	17.3	17.8	18.3	17.1	17.5	17.6	18.0	18.5
12H	4H	16.6	17.2	17.0	17.7	18.1	16.7	17.4	17.2	17.8	18.3
	6H	16.7	17.3	17.2	17.7	18.2	16.9	17.5	17.4	17.9	18.4
	8H	16.8	17.3	17.3	17.8	18.3	17.0	17.5	17.5	18.0	18.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.8 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

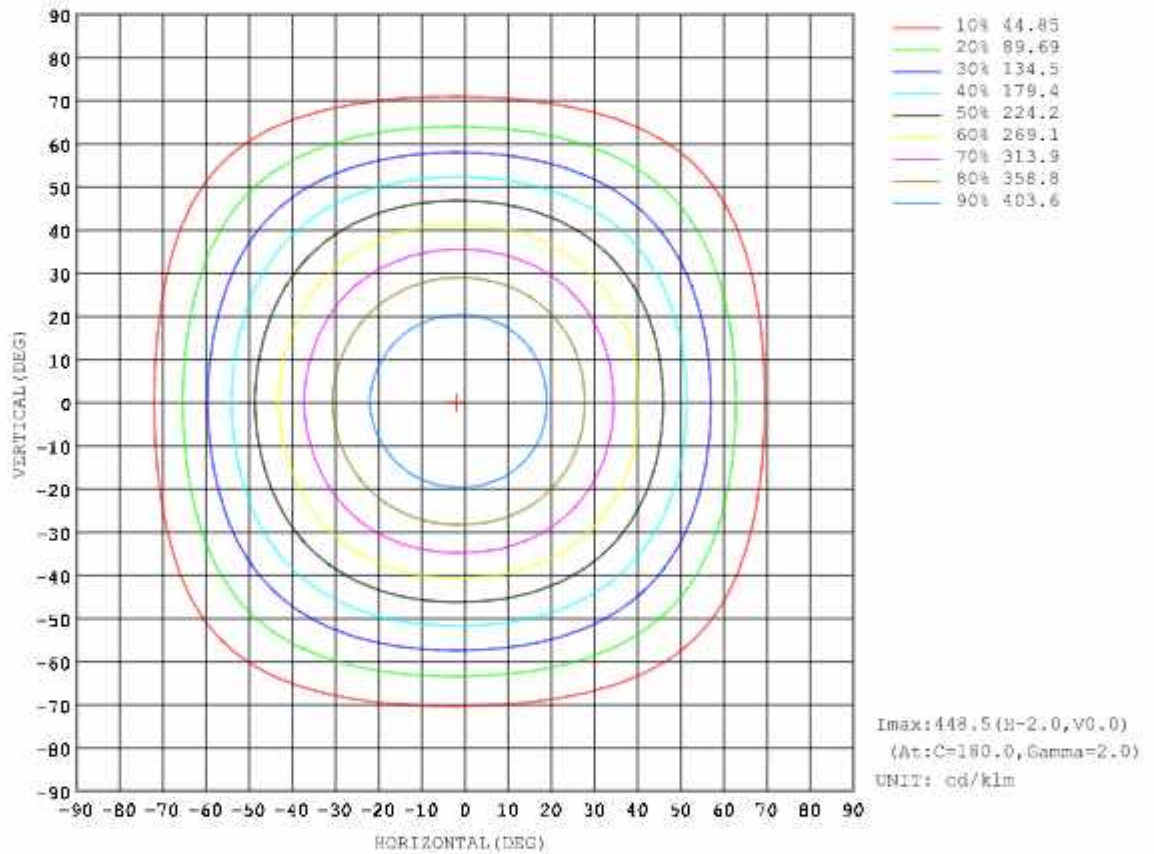
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	62	52	45	62	51	45	60	51	45	39
0.80	72	62	55	71	62	55	70	61	55	48
1.00	81	71	64	80	70	64	77	71	63	57
1.25	88	78	72	86	78	72	83	76	71	64
1.50	92	84	78	90	83	77	87	81	76	69
2.00	98	91	85	96	90	85	93	87	83	75
2.50	102	95	90	99	93	89	96	91	87	79
3.00	104	99	94	102	97	93	98	94	90	82
4.00	108	103	99	105	101	98	101	98	95	86
5.00	110	106	102	107	104	101	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



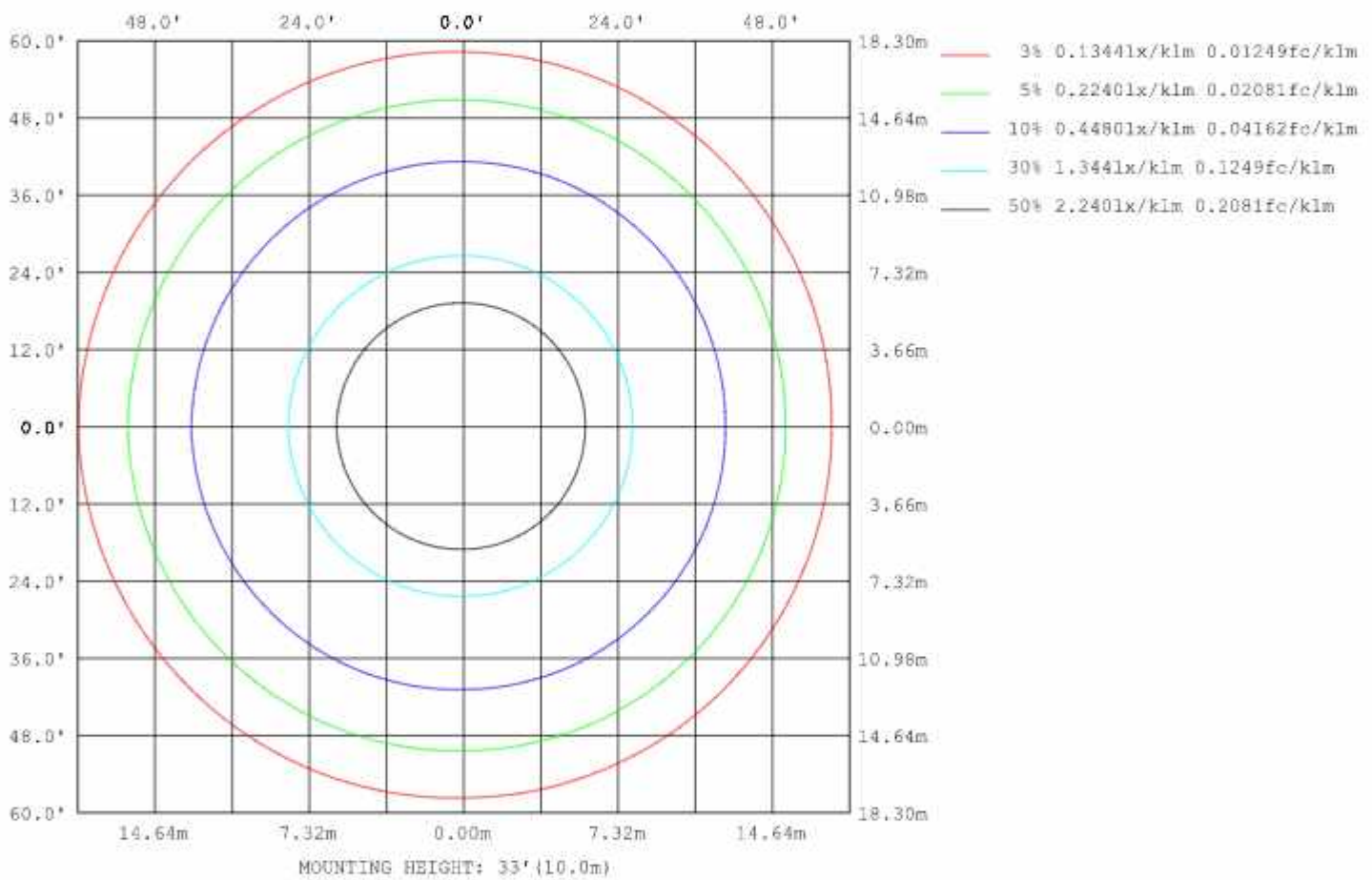
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## ISOLUX DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

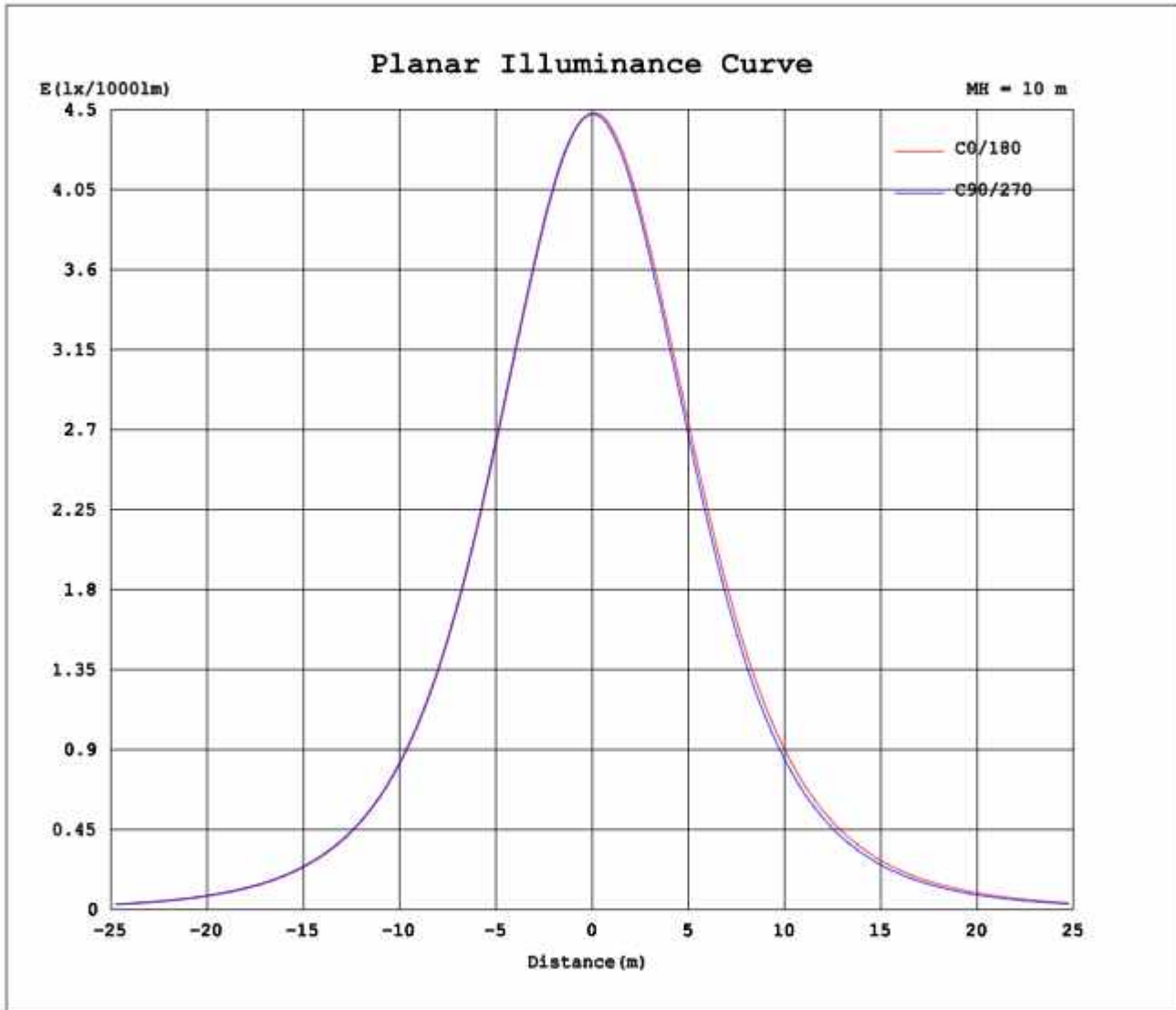


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270															
0	448	448	448	448															
5	444	444	447	445															
10	434	435	441	437															
15	419	421	429	424															
20	399	402	412	405															
25	374	377	391	382															
30	344	347	364	352															
35	309	312	331	318															
40	271	274	294	279															
45	231	234	255	239															
50	191	193	214	198															
55	150	153	173	158															
60	111	114	132	119															
65	73.3	78.4	93.1	82.4															
70	41.7	46.4	57.2	50.1															
75	21.5	24.8	29.8	25.8															
80	12.6	14.2	14.9	13.1															
85	5.48	6.54	7.54	5.77															
90	3.82	3.79	1.63	1.30															
95	3.81	3.77	1.44	1.46															
100	3.80	3.77	1.63	1.64															
105	3.81	3.78	1.84	1.85															
110	3.83	3.81	2.06	2.08															
115	3.89	3.85	2.29	2.31															
120	3.96	3.92	2.54	2.56															
125	4.05	4.00	2.78	2.80															
130	4.14	4.09	3.02	3.05															
135	4.25	4.19	3.27	3.29															
140	4.37	4.31	3.51	3.53															
145	4.50	4.44	3.75	3.78															
150	4.65	4.58	4.00	4.03															
155	4.79	4.74	4.25	4.28															
160	4.94	4.91	4.50	4.53															
165	5.07	5.06	4.74	4.76															
170	5.18	5.18	4.95	4.97															
175	5.25	5.27	5.13	5.14															
180	5.25	5.27	5.25	5.26															

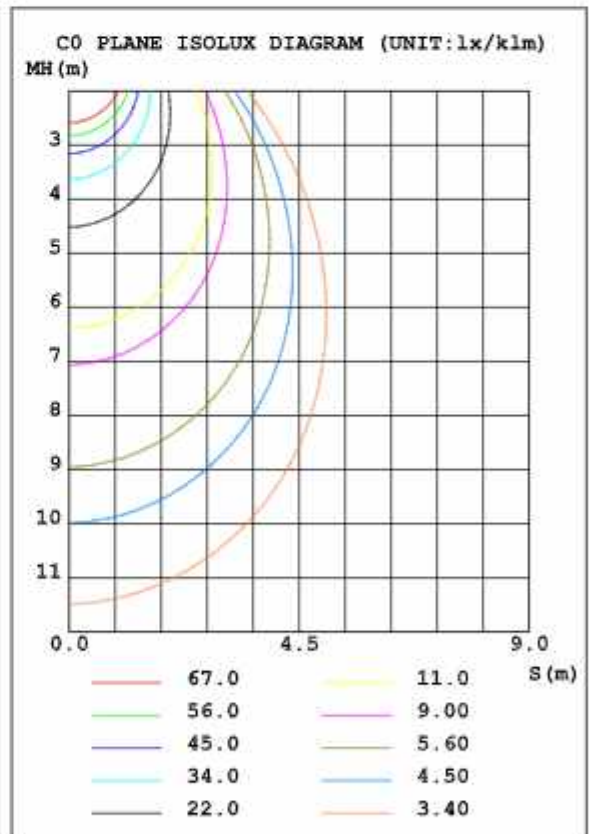
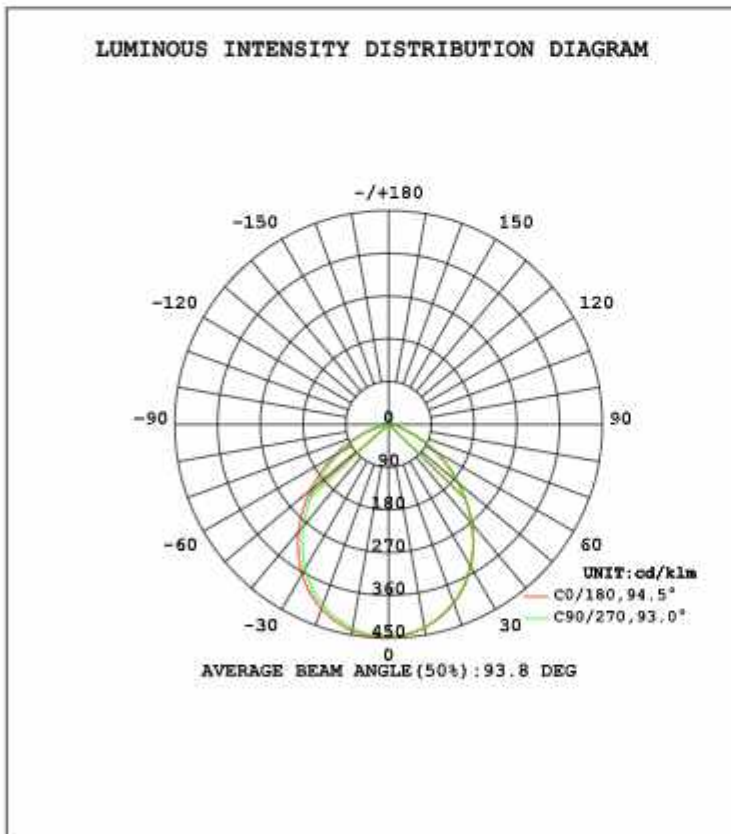
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	6LMCT22LR05	Imax (cd/klm)	449.0	S/MH (C0/180)	1.15
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	$\eta$ UP, DN (C0-180)	1.3, 47.6
NOMINAL FLUX (lm)	2904.63	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.8, 50.3
LAMPS INSIDE	1	$\eta$ up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.8	$\eta$ down (%)	97.9	CIBSE SHR MAX	1.30



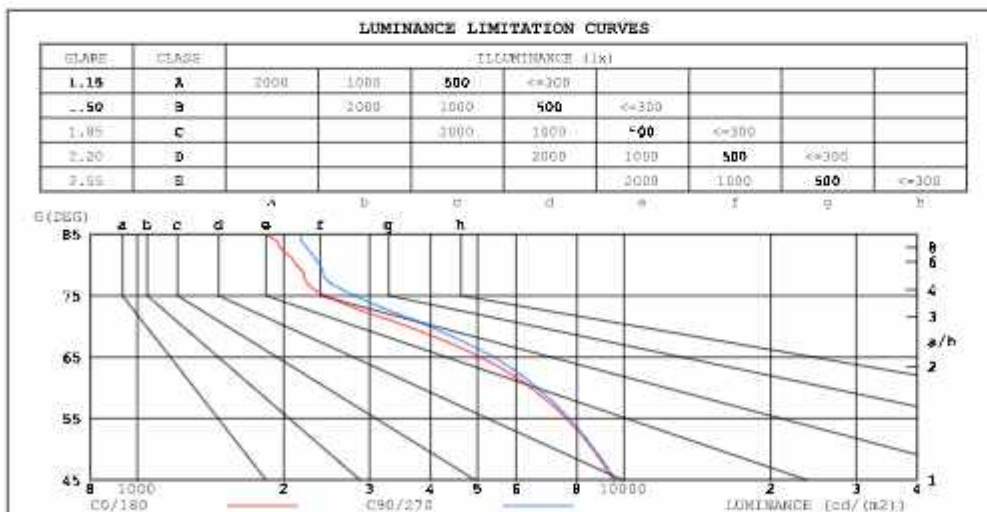
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	Φlum, lamp	
10	434.3	434.4	441.6	436.0				0- 10	42.19	42.19	4.22, 4.22	
20	399.4	401.0	413.2	404.1				10- 20	119.2	161.4	16.1, 16.1	
30	344.7	346.7	364.5	351.5				20- 30	175.1	336.5	33.6, 33.6	
40	271.9	273.5	294.8	278.8				30- 40	198.2	534.7	53.5, 53.5	
50	190.6	192.0	213.9	197.1				40- 50	184.4	719.1	71.9, 71.9	
60	110.8	114.2	132.0	118.4				50- 60	141.2	860.3	86, 86	
70	42.20	46.75	57.65	50.37				60- 70	81.58	941.9	94.2, 94.2	
80	12.66	14.19	14.93	13.13				70- 80	29.17	971.1	97.1, 97.1	
90	3.812	3.774	1.640	1.297				80- 90	7.587	978.6	97.9, 97.9	
100	3.796	3.756	1.630	1.635				90-100	2.859	981.5	98.2, 98.2	
110	3.828	3.793	2.057	2.069				100-110	2.976	984.5	98.4, 98.4	
120	3.953	3.902	2.537	2.549				110-120	3.057	987.5	98.8, 98.8	
130	4.135	4.072	3.025	3.027				120-130	3.046	990.6	99.1, 99.1	
140	4.363	4.293	3.512	3.513				130-140	2.893	993.5	99.3, 99.3	
150	4.634	4.564	4.001	4.008				140-150	2.576	996.0	99.6, 99.6	
160	4.930	4.891	4.501	4.508				150-160	2.079	998.1	99.8, 99.8	
170	5.169	5.166	4.954	4.942				160-170	1.381	999.5	100, 100	
180	5.232	5.248	5.254	5.227				170-180	0.4906	1000	100, 100	
DEG	LUMINOUS INTENSITY:cd/klm							UNIT:lm/klm				



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	1826	2173
80	2118	2374
75	2433	2791
70	3584	3971
65	5070	5402
60	6435	6635
55	7607	7716
50	8612	8618
45	9511	9573

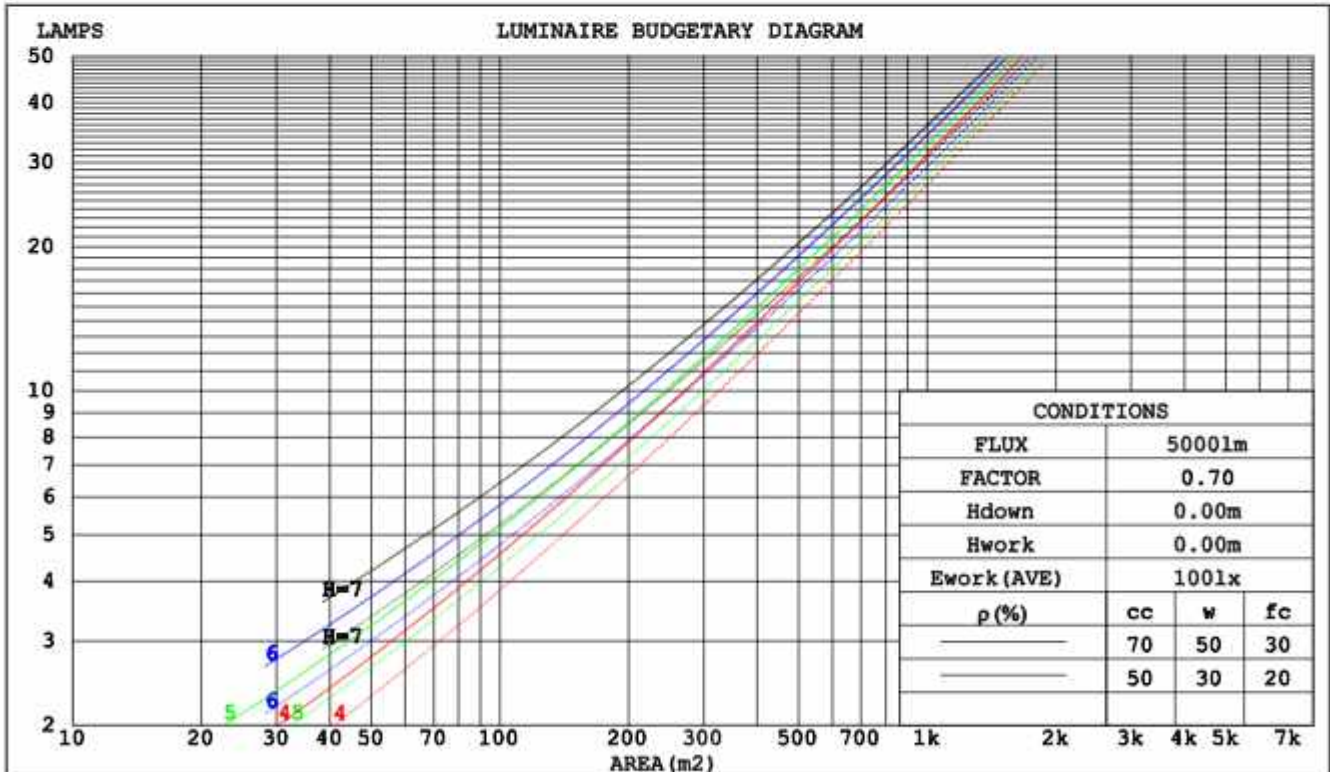
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.06	1.02	.99	1.03	1.00	.97	.99	.96	.94	.95	.92	.90	.91	.89	.87	.85
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.85	.81	.78	.81	.78	.76	.73
3.0	.84	.76	.71	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.66	.63
4.0	.75	.67	.61	.74	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.68	.59	.53	.66	.59	.53	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.55	.49	.45	.43
7.0	.56	.48	.42	.55	.47	.42	.53	.46	.41	.52	.45	.41	.50	.45	.40	.39
8.0	.51	.43	.38	.50	.43	.38	.49	.42	.37	.48	.41	.37	.46	.41	.37	.35
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.31
10.0	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.34	.30	.29



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.263	.149	.047	.255	.146	.046	.241	.138	.044	.228	.131	.042	.216	.125	.040	
2.0	.253	.139	.043	.247	.136	.042	.234	.130	.040	.223	.125	.039	.212	.120	.038	
3.0	.239	.127	.038	.233	.125	.038	.222	.120	.037	.212	.116	.036	.202	.112	.035	
4.0	.224	.116	.034	.219	.115	.034	.209	.111	.033	.200	.107	.032	.192	.104	.032	
5.0	.210	.107	.031	.205	.105	.031	.196	.102	.030	.188	.099	.030	.181	.097	.029	
6.0	.197	.099	.028	.192	.097	.028	.185	.095	.028	.177	.092	.027	.170	.090	.027	
7.0	.185	.091	.026	.181	.090	.026	.174	.088	.025	.167	.086	.025	.161	.084	.025	
8.0	.174	.085	.024	.170	.084	.024	.164	.082	.023	.158	.080	.023	.152	.078	.023	
9.0	.164	.079	.022	.161	.078	.022	.155	.077	.022	.150	.075	.021	.144	.073	.021	
10.0	.155	.074	.021	.152	.073	.020	.147	.072	.020	.142	.070	.020	.137	.069	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.154	.166	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.184	.149	.119	.157	.128	.103	.108	.089	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.131	.095	.150	.113	.083	.103	.078	.058	.060	.046	.034	.019	.015	.011	
4.0	.167	.117	.079	.144	.101	.068	.099	.071	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.107	.067	.137	.092	.058	.095	.064	.041	.055	.038	.024	.018	.012	.008	
6.0	.153	.098	.058	.132	.085	.051	.091	.059	.036	.053	.035	.021	.017	.011	.007	
7.0	.147	.091	.052	.126	.079	.045	.087	.055	.032	.051	.033	.019	.016	.011	.006	
8.0	.141	.085	.047	.121	.074	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	
9.0	.135	.080	.043	.116	.070	.038	.081	.049	.027	.047	.029	.016	.015	.009	.005	
10.0	.130	.076	.040	.112	.066	.035	.078	.046	.025	.045	.027	.015	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

NAME: 6寸商照		TYPE:					WEIGHT:				
DIM.:		SPEC.:					SERIAL No.:				
MFR.: HXD		SUR.:					PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	15.5	16.9	15.8	17.1	17.4	15.6	17.0	15.9	17.2	17.5	
3H	16.1	17.3	16.4	17.6	17.9	16.2	17.5	16.5	17.7	18.0	
4H	16.2	17.3	16.5	17.6	17.9	16.3	17.5	16.7	17.8	18.1	
6H	16.2	17.3	16.5	17.6	17.9	16.4	17.5	16.7	17.8	18.1	
8H	16.2	17.2	16.5	17.5	17.9	16.4	17.4	16.7	17.8	18.1	
12H	16.2	17.2	16.5	17.5	17.8	16.4	17.4	16.7	17.7	18.1	
4H 2H	15.8	17.0	16.2	17.3	17.6	15.9	17.1	16.2	17.4	17.7	
3H	16.5	17.5	16.9	17.8	18.2	16.6	17.6	17.0	18.0	18.3	
4H	16.6	17.5	17.0	17.9	18.3	16.8	17.7	17.2	18.1	18.4	
6H	16.7	17.5	17.1	17.9	18.3	16.9	17.7	17.3	18.1	18.5	
8H	16.7	17.5	17.2	17.9	18.3	16.9	17.7	17.4	18.1	18.5	
12H	16.7	17.4	17.2	17.8	18.3	16.9	17.6	17.4	18.0	18.5	
8H 4H	16.6	17.4	17.0	17.8	18.2	16.8	17.5	17.2	17.9	18.4	
6H	16.8	17.4	17.2	17.8	18.3	16.9	17.6	17.4	18.0	18.5	
8H	16.8	17.4	17.3	17.8	18.3	17.0	17.6	17.5	18.0	18.5	
12H	16.9	17.3	17.4	17.8	18.3	17.1	17.5	17.6	18.0	18.5	
12H 4H	16.6	17.3	17.0	17.7	18.1	16.7	17.4	17.2	17.9	18.3	
6H	16.7	17.3	17.2	17.8	18.2	16.9	17.5	17.4	17.9	18.4	
8H	16.8	17.3	17.3	17.8	18.3	17.0	17.5	17.5	18.0	18.5	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.4 / - 0.5					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.8 / - 0.9					+ 0.8 / - 0.8					

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	62	52	45	62	51	45	60	51	45	39
0.80	72	62	55	71	62	55	70	61	55	48
1.00	81	71	64	80	70	64	77	71	63	57
1.25	88	78	72	86	78	72	83	76	71	64
1.50	92	84	78	90	83	77	87	81	76	69
2.00	98	91	85	96	90	85	93	87	83	75
2.50	102	95	90	99	93	89	96	91	87	79
3.00	104	99	94	102	97	93	98	94	90	82
4.00	108	103	99	105	101	98	101	98	95	86
5.00	110	106	102	107	104	101	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERNOM = 1.25			

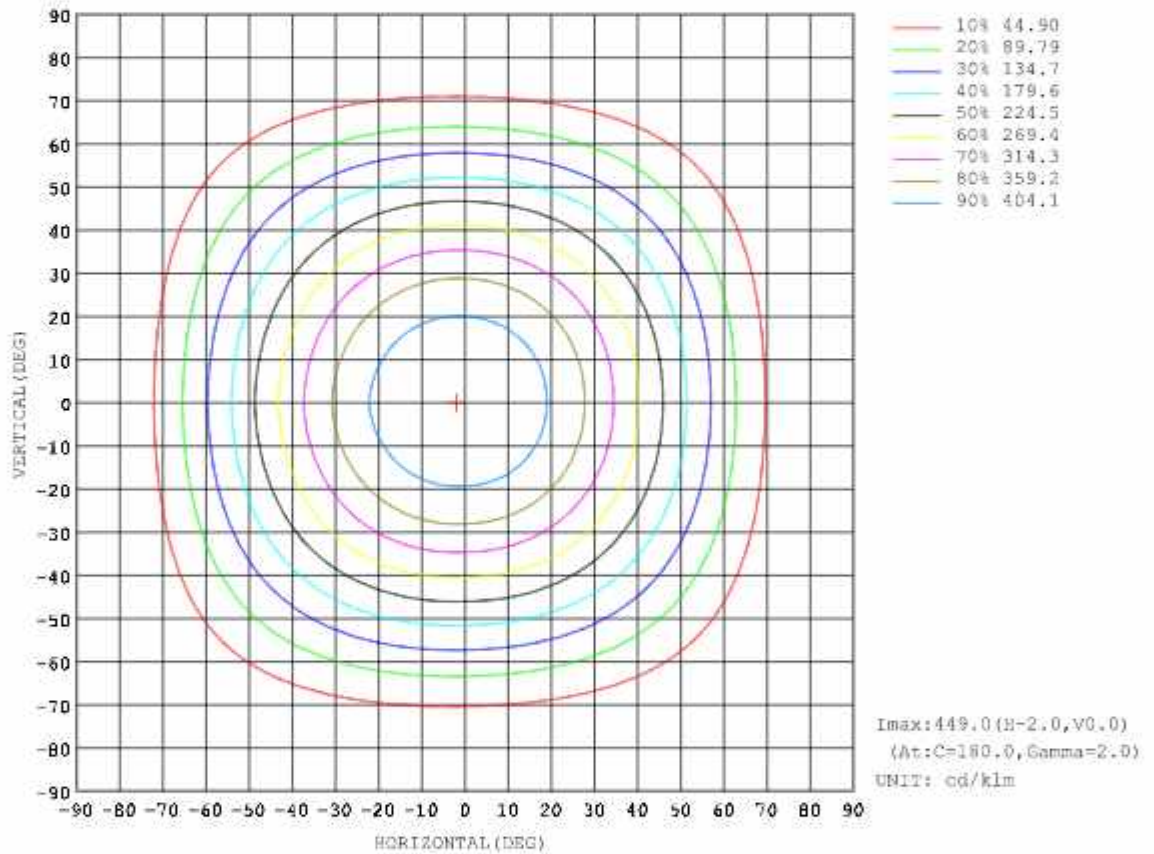
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## ISOCANDELA DIAGRAM

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

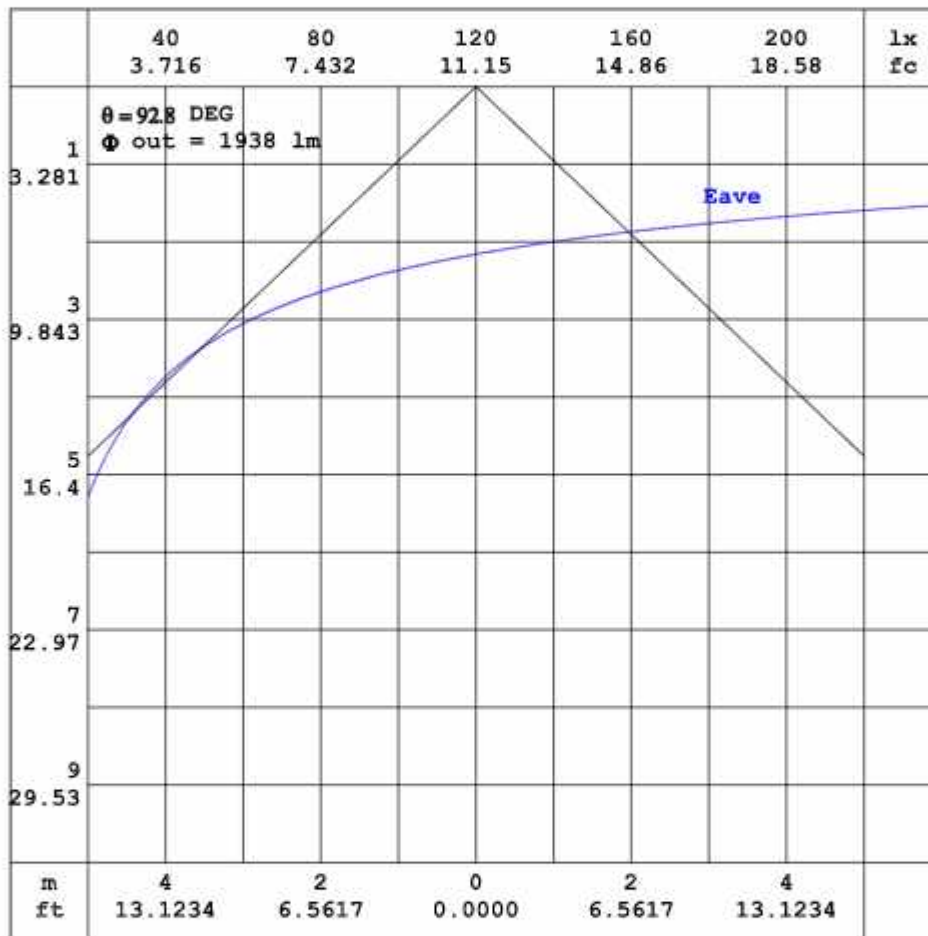


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

AAI CURVES

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



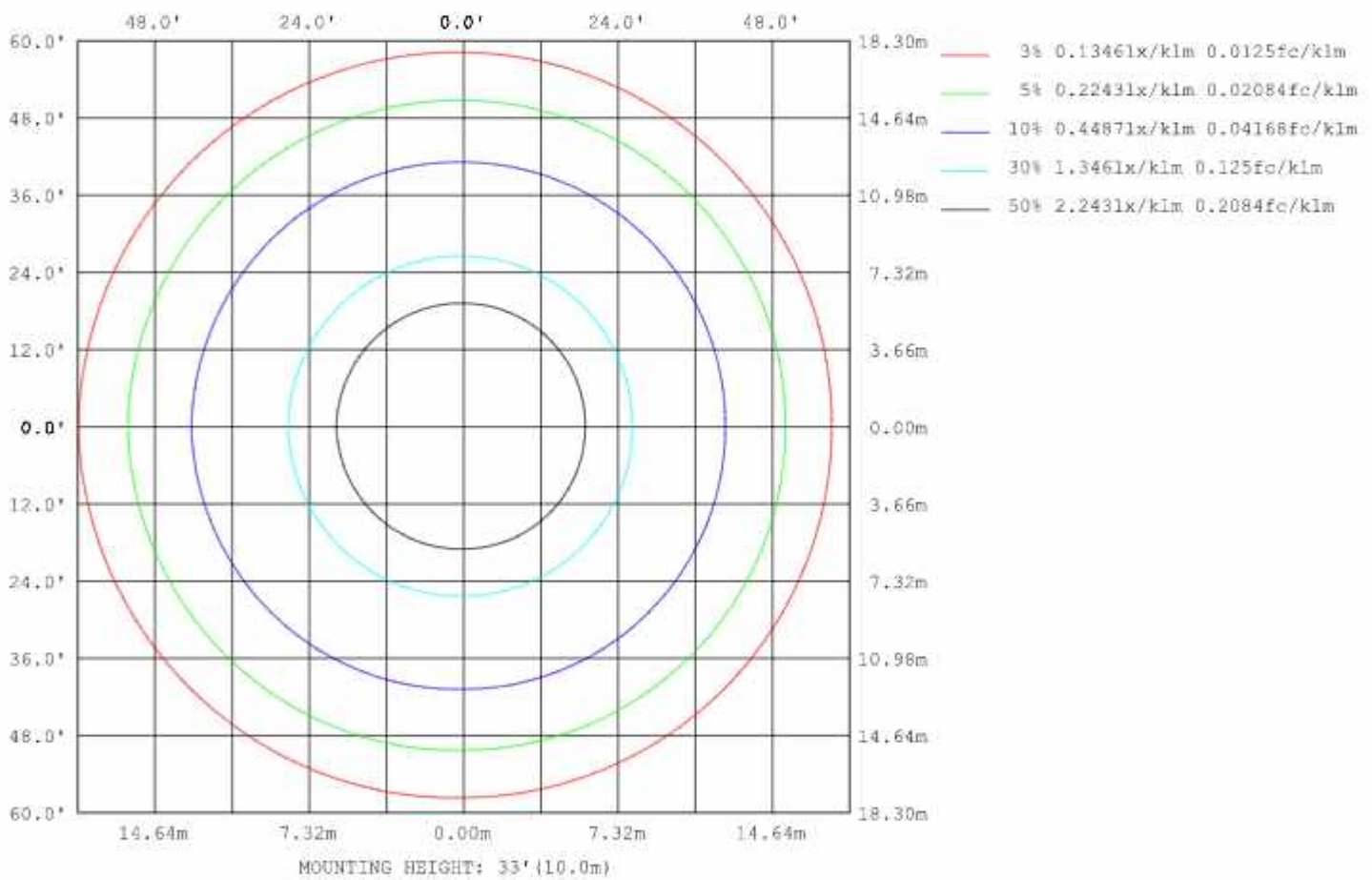
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

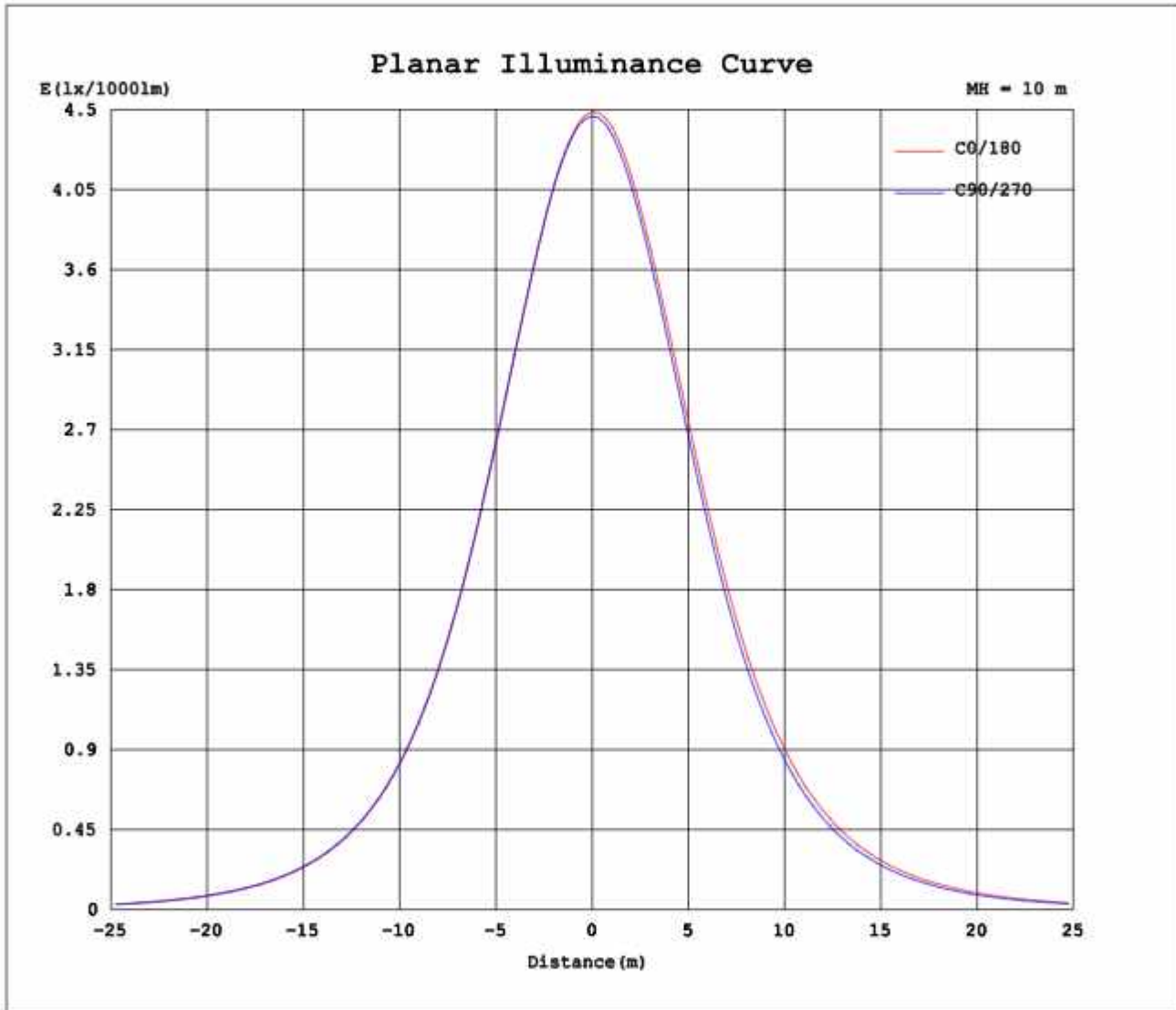
NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2022-04-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) y (DEG)	0	90	180	270																
0	449	446	449	446																
5	444	443	448	444																
10	434	434	442	436																
15	419	420	430	423																
20	399	401	413	404																
25	375	377	392	381																
30	345	347	364	351																
35	310	312	331	317																
40	272	273	295	279																
45	232	233	255	238																
50	191	192	214	197																
55	150	152	172	157																
60	111	114	132	118																
65	73.8	78.6	93.3	82.4																
70	42.2	46.8	57.7	50.4																
75	21.7	24.9	30.1	25.8																
80	12.7	14.2	14.9	13.1																
85	5.48	6.52	7.55	5.75																
90	3.81	3.77	1.64	1.30																
95	3.80	3.76	1.44	1.45																
100	3.80	3.76	1.63	1.64																
105	3.80	3.76	1.84	1.84																
110	3.83	3.79	2.06	2.07																
115	3.88	3.84	2.30	2.31																
120	3.95	3.90	2.54	2.55																
125	4.04	3.98	2.78	2.79																
130	4.13	4.07	3.03	3.03																
135	4.24	4.18	3.27	3.27																
140	4.36	4.29	3.51	3.51																
145	4.49	4.42	3.76	3.76																
150	4.63	4.56	4.00	4.01																
155	4.79	4.72	4.25	4.26																
160	4.93	4.89	4.50	4.51																
165	5.06	5.04	4.74	4.74																
170	5.17	5.17	4.95	4.94																
175	5.24	5.25	5.13	5.11																
180	5.23	5.25	5.25	5.23																

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks: