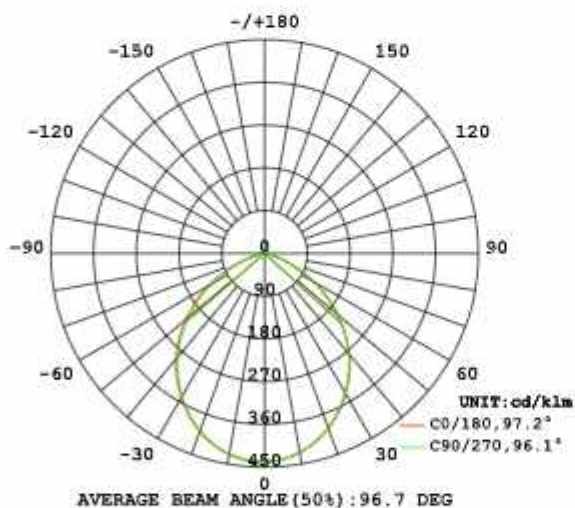


LUMINAIRE PHOTOMETRIC TEST REPORT

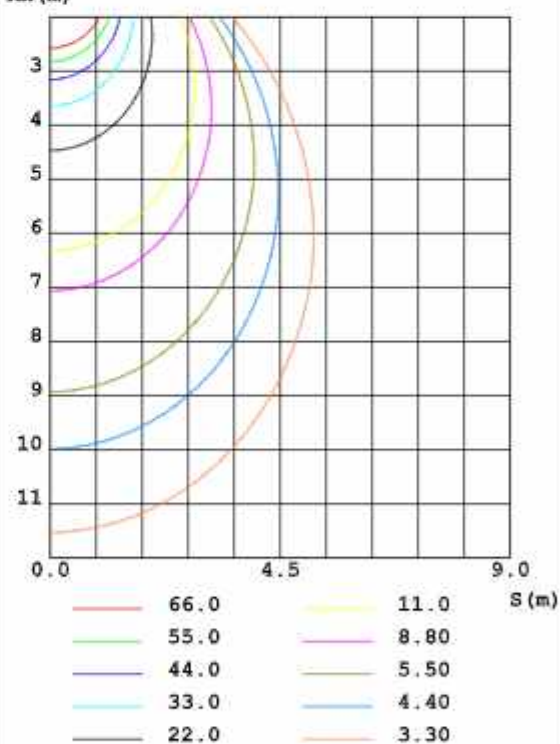
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 115.45 lm/W
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.1	S/MH (C0/180)	1.16	
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.16	
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	1.3, 47.7	
NOMINAL FLUX (lm)	1881.86	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.9, 50.1	
LAMPS INSIDE	1	η up (%)	2.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	121.9	η down (%)	97.8	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



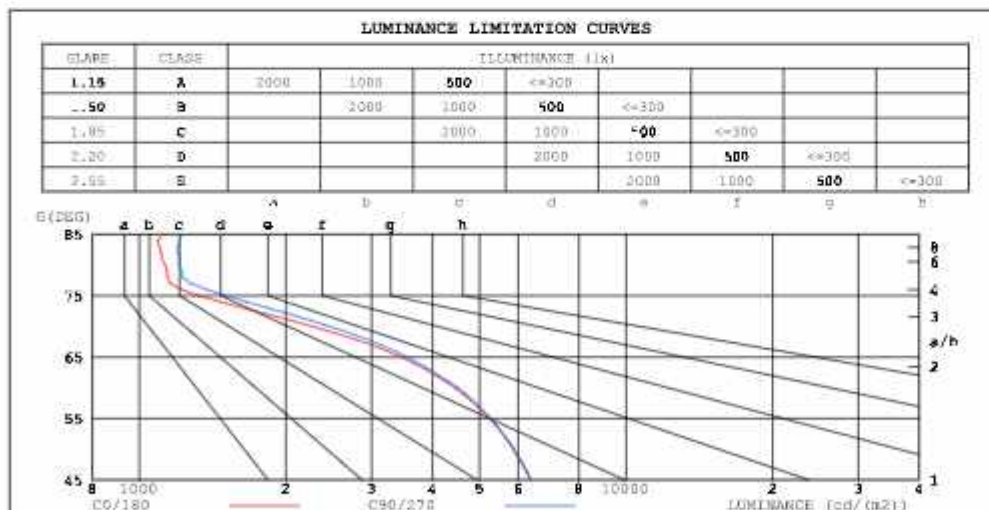
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	425.9	425.7	429.7	429.0					0- 10	41.35	41.35	4.14, 4.14
20	391.9	391.0	399.2	397.5					10- 20	116.5	157.9	15.8, 15.8
30	340.6	338.8	351.0	347.1					20- 30	171.0	328.8	32.9, 32.9
40	277.3	275.5	290.0	284.1					30- 40	196.4	525.2	52.5, 52.5
50	200.9	200.1	216.4	208.6					40- 50	188.7	713.9	71.4, 71.4
60	118.2	119.9	135.6	127.6					50- 60	148.4	862.3	86.2, 86.2
70	41.17	44.70	55.16	50.04					60- 70	84.07	946.4	94.6, 94.6
80	10.42	11.12	10.42	9.536					70- 80	25.51	971.9	97.2, 97.2
90	3.929	3.900	1.514	1.397					80- 90	6.087	978.0	97.8, 97.8
100	3.923	3.899	1.773	1.739					90-100	2.992	981.0	98.1, 98.1
110	3.934	3.927	2.198	2.173					100-110	3.113	984.1	98.4, 98.4
120	4.042	4.035	2.671	2.639					110-120	3.174	987.3	98.7, 98.7
130	4.196	4.177	3.142	3.105					120-130	3.137	990.4	99, 99
140	4.412	4.384	3.598	3.562					130-140	2.953	993.4	99.3, 99.3
150	4.678	4.662	4.072	4.044					140-150	2.616	996.0	99.6, 99.6
160	4.984	4.997	4.569	4.558					150-160	2.109	998.1	99.8, 99.8
170	5.216	5.261	5.013	5.007					160-170	1.400	999.5	100, 100
180	5.296	5.298	5.286	5.301					170-180	0.4966	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/ (m²)		
G(DEG)	C0/180	C90/270
85	1120	1224
80	1130	1206
75	1325	1504
70	2265	2459
65	3448	3546
60	4447	4513
55	5247	5299
50	5882	5857
45	6387	6350

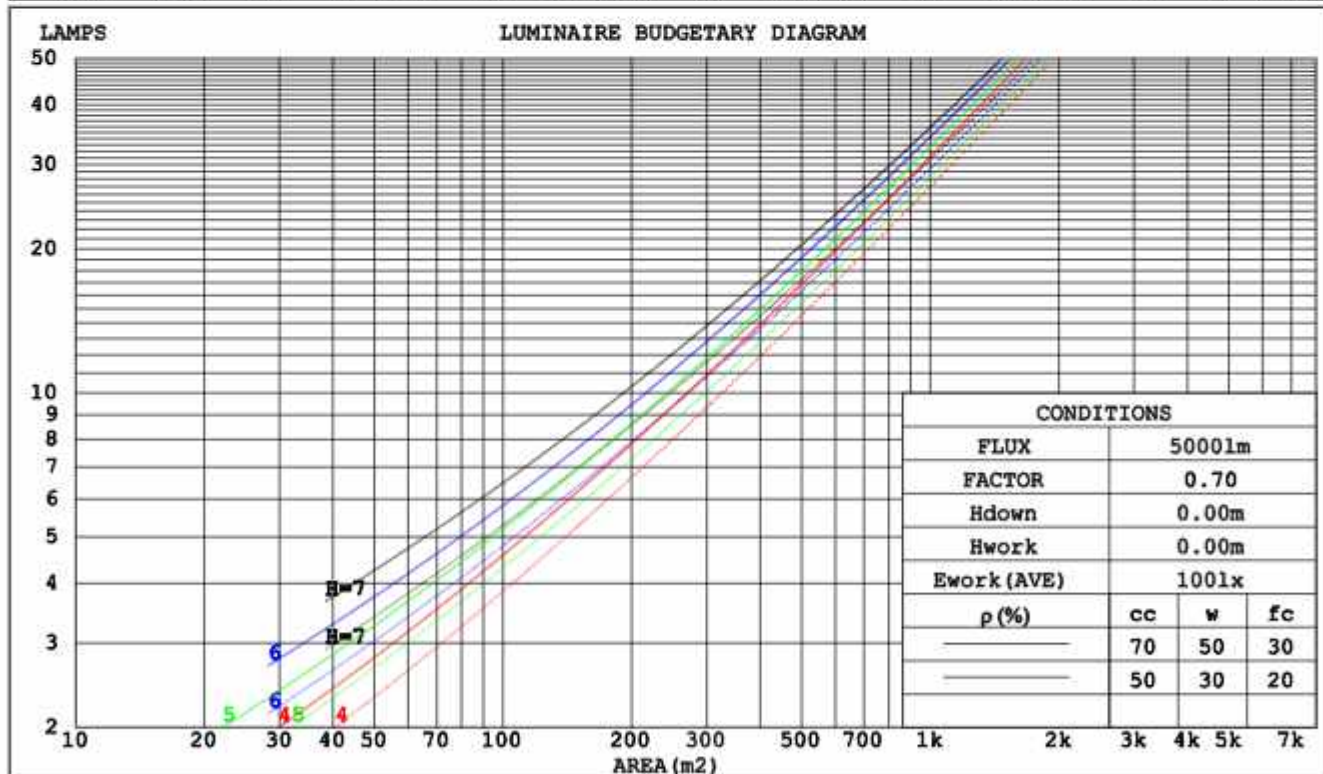
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040	
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038	
3.0	.239	.127	.038	.234	.125	.038	.222	.121	.037	.212	.116	.036	.203	.112	.035	
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.032	.192	.104	.032	
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.181	.097	.029	
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027	
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025	
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023	
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021	
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.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	.176	.131	.096	.151	.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	.014	.009	
5.0	.161	.107	.067	.138	.093	.059	.095	.065	.041	.055	.038	.025	.018	.012	.008	
6.0	.154	.099	.059	.132	.085	.051	.091	.060	.036	.053	.035	.022	.017	.011	.007	
7.0	.148	.092	.052	.127	.079	.046	.088	.056	.032	.051	.033	.019	.016	.011	.006	
8.0	.142	.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	.131	.077	.041	.113	.067	.036	.078	.047	.025	.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: 8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						
x = 2H y = 2H						15.9	17.2	16.2	17.5	17.7	15.9	17.3
3H						16.4	17.6	16.7	17.9	18.2	16.4	17.7
4H						16.4	17.6	16.7	17.8	18.1	16.5	17.7
6H						16.4	17.5	16.7	17.8	18.1	16.4	17.6
8H						16.3	17.4	16.7	17.7	18.0	16.4	17.5
12H						16.3	17.3	16.7	17.7	18.0	16.4	17.4
4H 2H						16.2	17.4	16.5	17.6	17.9	16.2	17.4
3H						16.7	17.8	17.1	18.1	18.4	16.8	17.8
4H						16.8	17.7	17.2	18.1	18.4	16.9	17.8
6H						16.8	17.6	17.2	18.0	18.4	16.9	17.7
8H						16.8	17.6	17.2	18.0	18.4	16.9	17.7
12H						16.8	17.5	17.3	17.9	18.4	16.9	17.6
8H 4H						16.7	17.5	17.2	17.9	18.3	16.8	17.6
6H						16.8	17.4	17.3	17.9	18.3	16.9	17.5
8H						16.8	17.4	17.3	17.8	18.3	16.9	17.5
12H						16.9	17.3	17.4	17.8	18.3	17.0	17.4
12H 4H						16.7	17.4	17.2	17.8	18.3	16.8	17.5
6H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
8H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
Variations with the observer position at spacings:												
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.6					
1.5H		+ 0.2 / - 0.5					+ 0.2 / - 0.5					
2.0H		+ 0.9 / - 1.0					+ 0.8 / - 1.0					

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

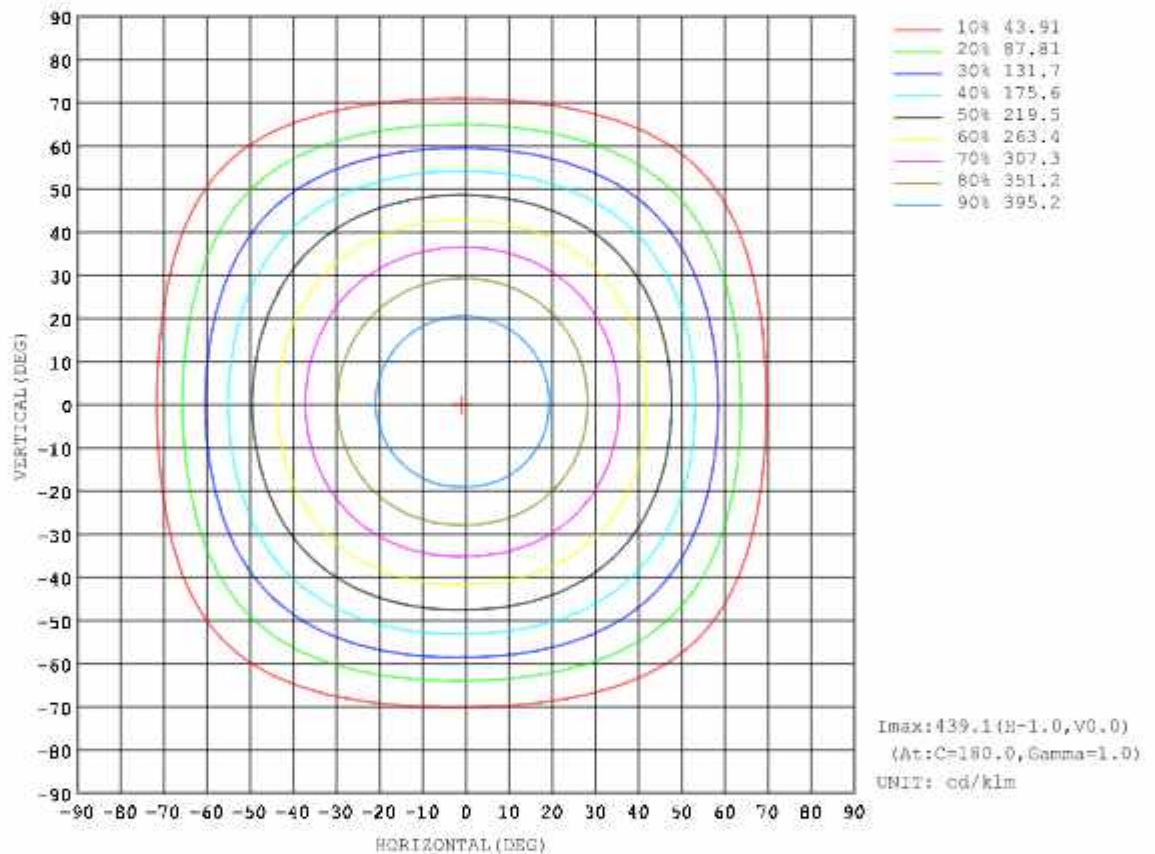
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	70	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	80	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	86	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				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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

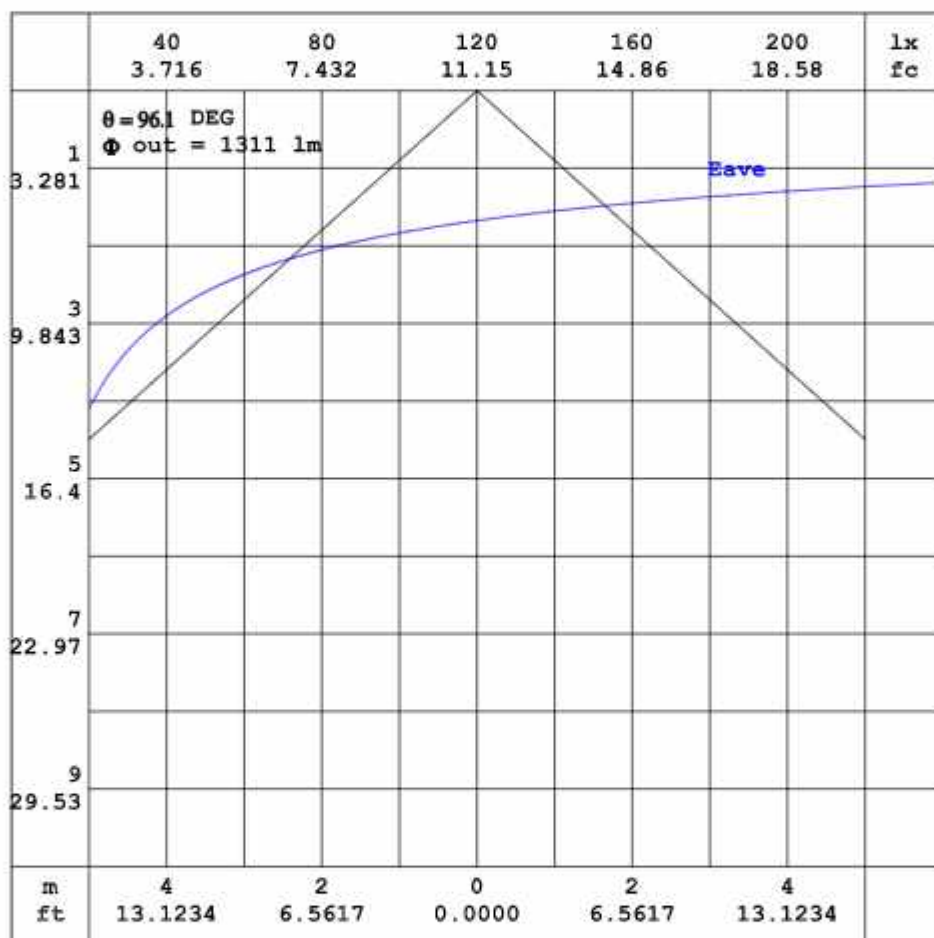


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



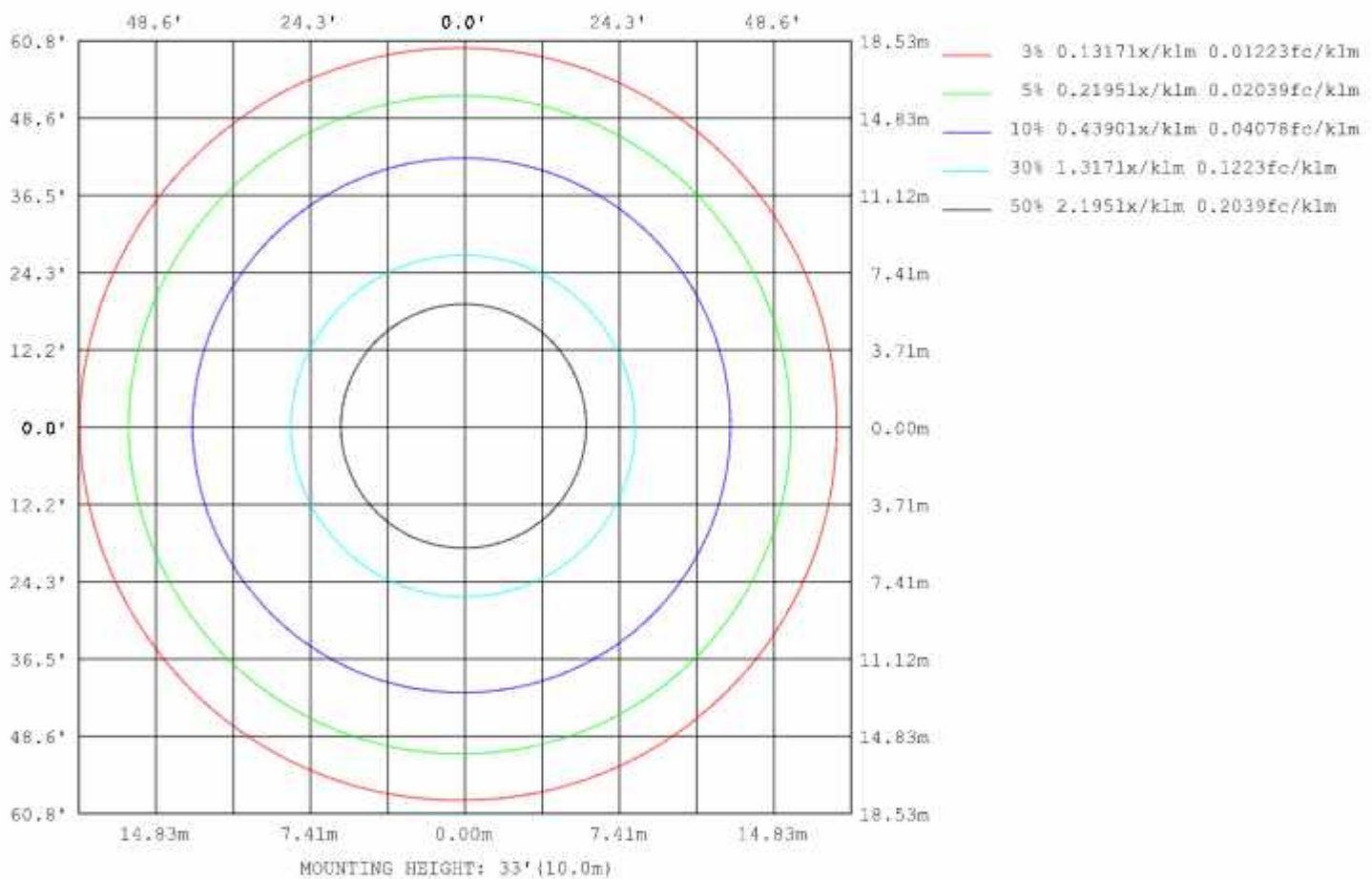
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

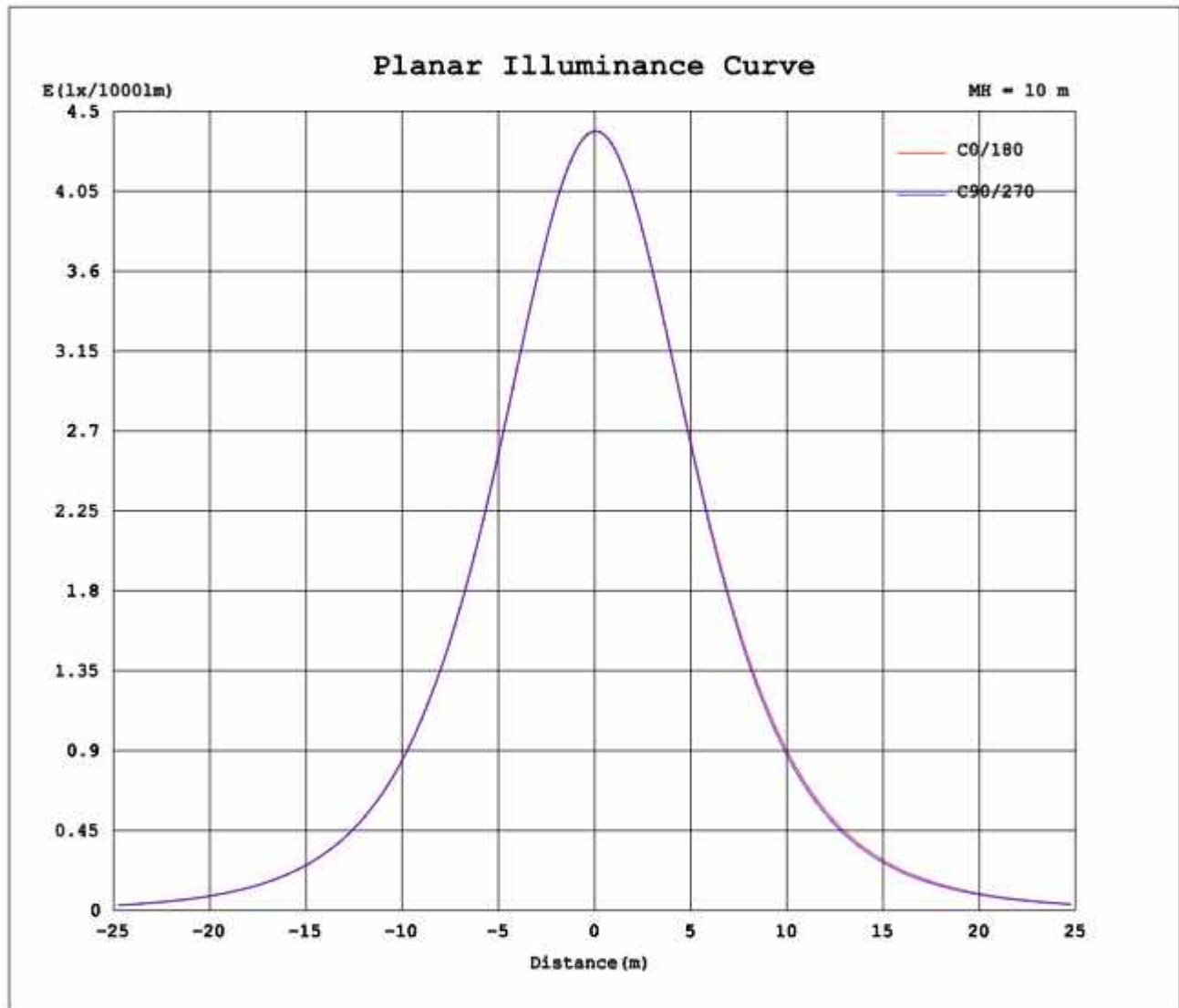
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	439	439	439	439															
5	435	435	437	437															
10	426	426	430	429															
15	411	411	417	416															
20	392	391	399	398															
25	368	367	377	374															
30	341	339	351	347															
35	310	308	322	317															
40	277	275	290	284															
45	240	239	255	247															
50	201	200	216	209															
55	160	160	177	169															
60	118	120	136	128															
65	77.4	79.6	93.5	87.4															
70	41.2	44.7	55.2	50.0															
75	18.2	20.7	25.3	22.4															
80	10.4	11.1	10.4	9.54															
85	5.19	5.67	5.28	4.24															
90	3.93	3.90	1.51	1.40															
95	3.92	3.90	1.59	1.55															
100	3.92	3.90	1.77	1.74															
105	3.92	3.90	1.99	1.95															
110	3.93	3.93	2.20	2.17															
115	3.98	3.98	2.44	2.41															
120	4.04	4.04	2.67	2.64															
125	4.11	4.10	2.91	2.87															
130	4.20	4.18	3.14	3.10															
135	4.30	4.27	3.37	3.33															
140	4.41	4.38	3.60	3.56															
145	4.54	4.52	3.83	3.80															
150	4.68	4.66	4.07	4.04															
155	4.83	4.83	4.32	4.30															
160	4.98	5.00	4.57	4.56															
165	5.11	5.15	4.80	4.79															
170	5.22	5.26	5.01	5.01															
175	5.29	5.32	5.19	5.19															
180	5.30	5.30	5.29	5.30															

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

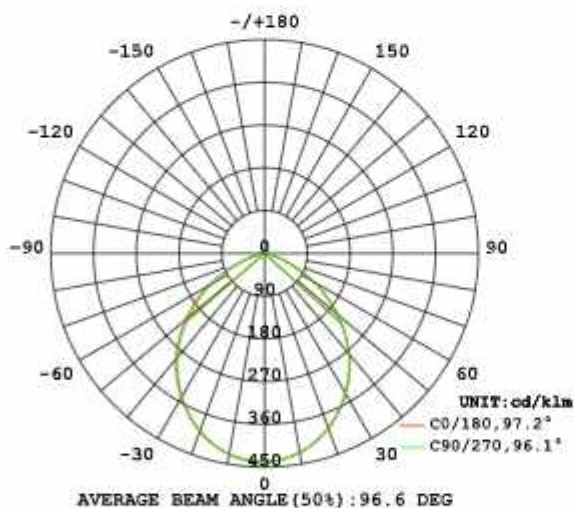
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

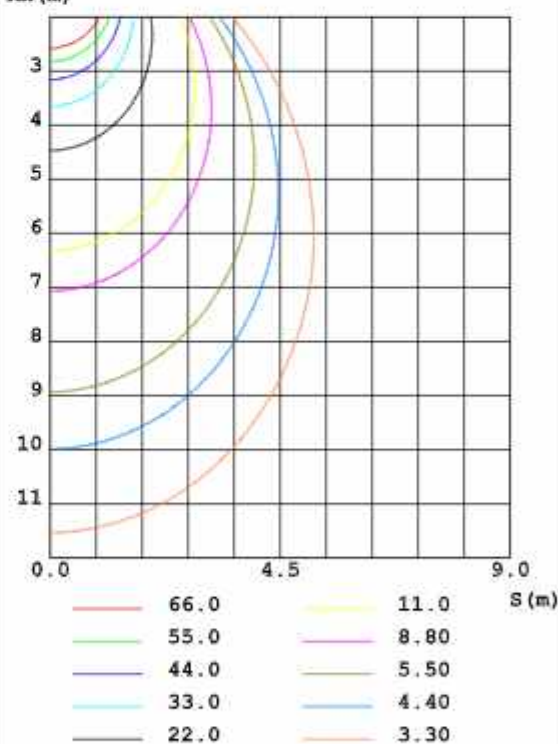
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.58 lm/W			
MODEL	8LMCT30LR05	Imax(cd/klm)	439.1	S/MH(C0/180)	1.16
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	122	TOTAL FLUX(lm/klm)	1000.00	η UP,DN(C0-180)	1.3,47.7
NOMINAL FLUX(lm)	2034.47	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.9,50.1
LAMPS INSIDE	1	η up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	121.9	η down(%)	97.8	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx/klm)



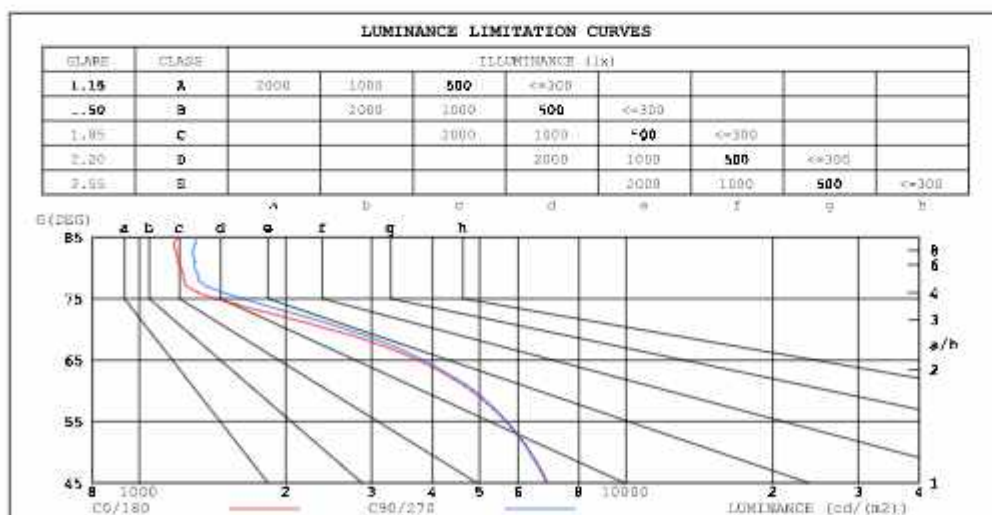
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.1	425.7	429.7	428.9					0- 10	41.35	41.35	4.14, 4.14
20	392.1	391.0	399.5	397.4					10- 20	116.5	157.9	15.8, 15.8
30	340.9	338.8	351.0	347.0					20- 30	171.0	328.9	32.9, 32.9
40	277.5	275.2	290.0	284.1					30- 40	196.4	525.3	52.5, 52.5
50	200.9	199.9	216.1	208.5					40- 50	188.7	714.0	71.4, 71.4
60	118.2	119.7	135.5	127.6					50- 60	148.3	862.3	86.2, 86.2
70	41.37	44.83	55.35	50.74					60- 70	84.17	946.5	94.6, 94.6
80	10.39	11.08	10.39	9.532					70- 80	25.61	972.1	97.2, 97.2
90	3.914	3.885	1.485	1.382					80- 90	6.065	978.2	97.8, 97.8
100	3.901	3.881	1.735	1.725					90-100	2.970	981.1	98.1, 98.1
110	3.917	3.908	2.174	2.157					100-110	3.090	984.2	98.4, 98.4
120	4.024	4.001	2.648	2.630					110-120	3.153	987.4	98.7, 98.7
130	4.178	4.144	3.116	3.075					120-130	3.114	990.5	99, 99
140	4.388	4.352	3.577	3.539					130-140	2.933	993.4	99.3, 99.3
150	4.651	4.629	4.044	4.014					140-150	2.599	996.0	99.6, 99.6
160	4.956	4.961	4.541	4.529					150-160	2.096	998.1	99.8, 99.8
170	5.190	5.227	4.981	4.979					160-170	1.392	999.5	100, 100
180	5.266	5.290	5.263	5.271					170-180	0.4939	1000.0	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/(m²)		
G(°/h)	C0/180	C90/270
85	3205	1315
80	3218	1298
75	3435	1629
70	2461	2666
65	3736	3831
60	4809	4871
55	5671	5677
50	6359	6329
45	6910	6862

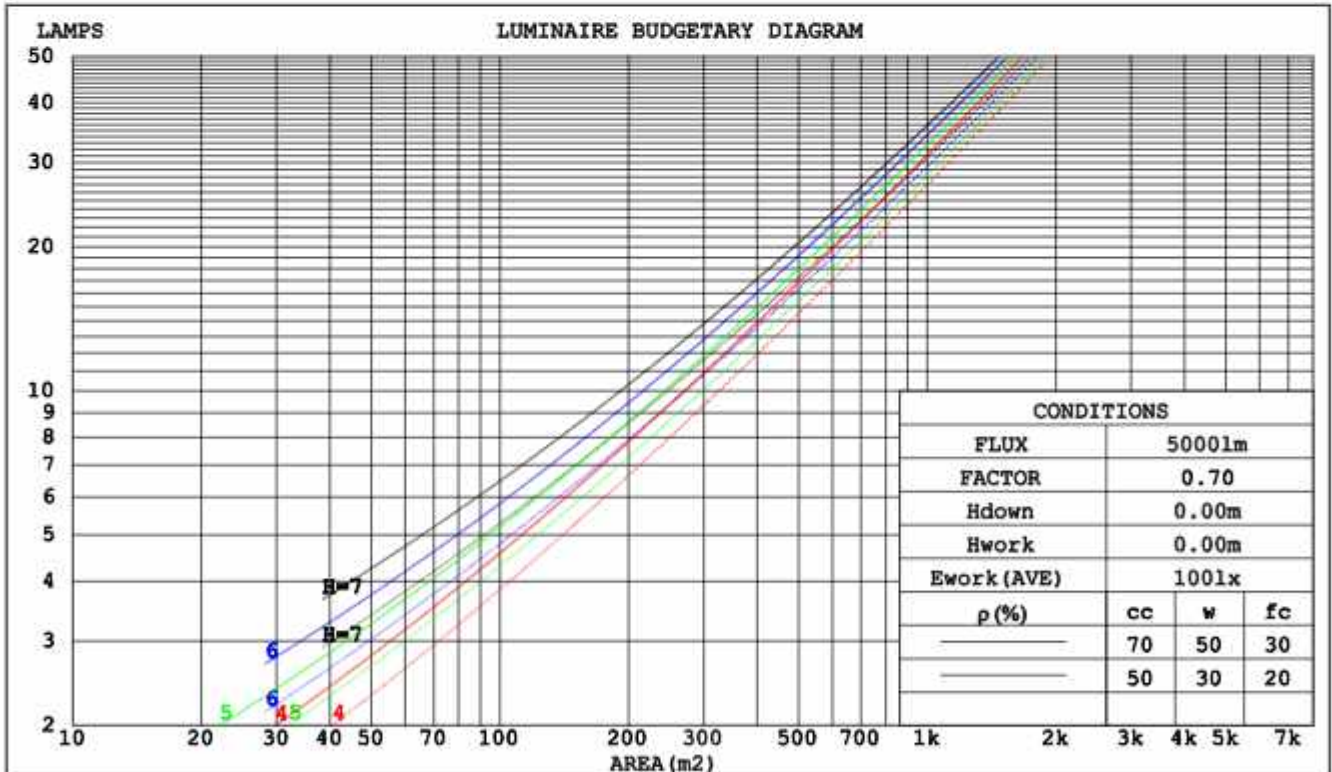
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.91	.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	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.222	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.032	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.181	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.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	.176	.131	.096	.151	.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	.161	.107	.067	.138	.093	.058	.095	.065	.041	.055	.038	.024	.018	.012	.008	
6.0	.154	.098	.059	.132	.085	.051	.091	.060	.036	.053	.035	.021	.017	.011	.007	
7.0	.148	.092	.052	.127	.079	.046	.088	.056	.032	.051	.033	.019	.016	.011	.006	
8.0	.142	.086	.047	.122	.074	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	
9.0	.136	.081	.044	.117	.070	.038	.081	.049	.027	.047	.029	.016	.015	.010	.005	
10.0	.131	.077	.041	.113	.066	.035	.078	.047	.025	.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: 8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	15.9	17.2	16.2	17.5	17.7	15.9	17.3	16.2	17.5	17.7					
3H	16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.7	17.9	18.2					
4H	16.4	17.6	16.7	17.9	18.1	16.5	17.7	16.8	17.9	18.2					
6H	16.4	17.5	16.7	17.8	18.1	16.4	17.6	16.8	17.9	18.2					
8H	16.3	17.4	16.7	17.7	18.0	16.4	17.5	16.8	17.8	18.1					
12H	16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1					
4H 2H	16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9					
3H	16.7	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.1	18.5					
4H	16.8	17.7	17.2	18.1	18.4	16.9	17.8	17.3	18.2	18.5					
6H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5					
8H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5					
12H	16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.4	18.0	18.5					
8H 4H	16.8	17.5	17.2	17.9	18.3	16.8	17.6	17.3	18.0	18.4					
6H	16.8	17.4	17.3	17.9	18.3	16.9	17.5	17.4	18.0	18.4					
8H	16.8	17.4	17.3	17.8	18.3	16.9	17.5	17.4	17.9	18.4					
12H	16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.4					
12H 4H	16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.3	17.9	18.4					
6H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4					
8H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6									
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5									
2.0H	+ 0.9 / - 1.0					+ 0.8 / - 1.0									

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

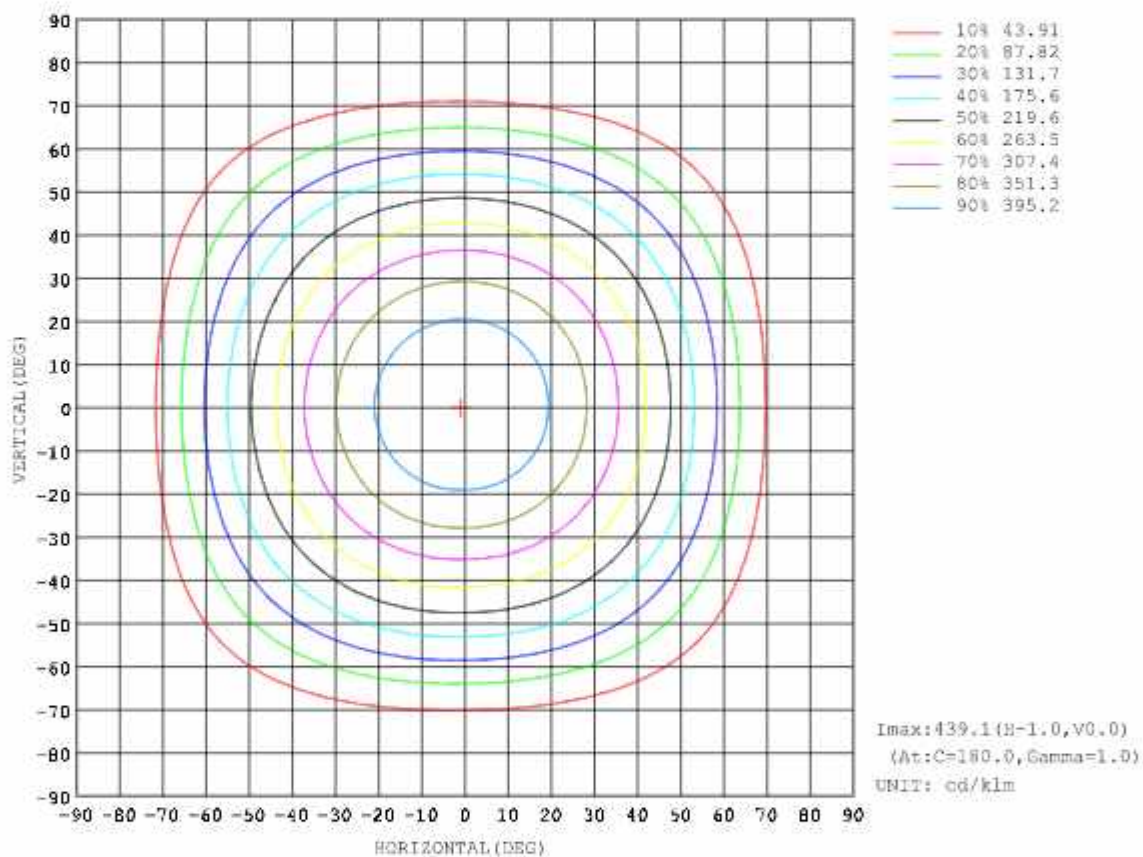
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	70	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	80	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	86	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				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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

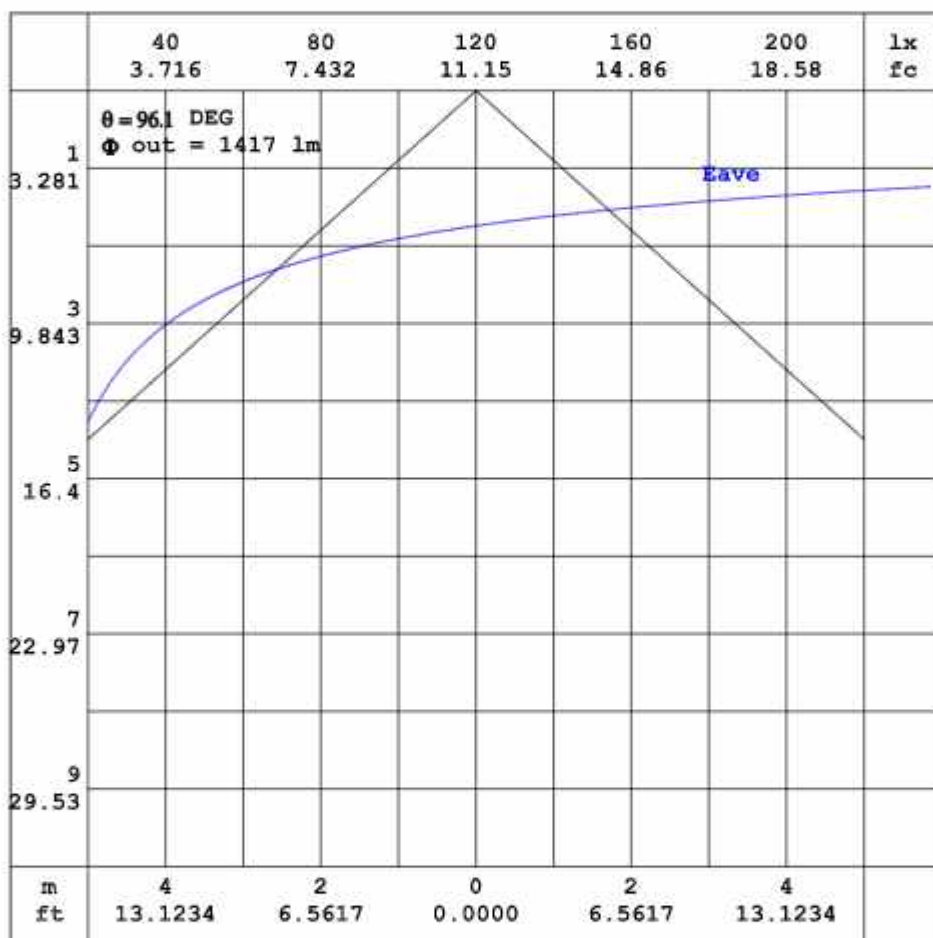


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



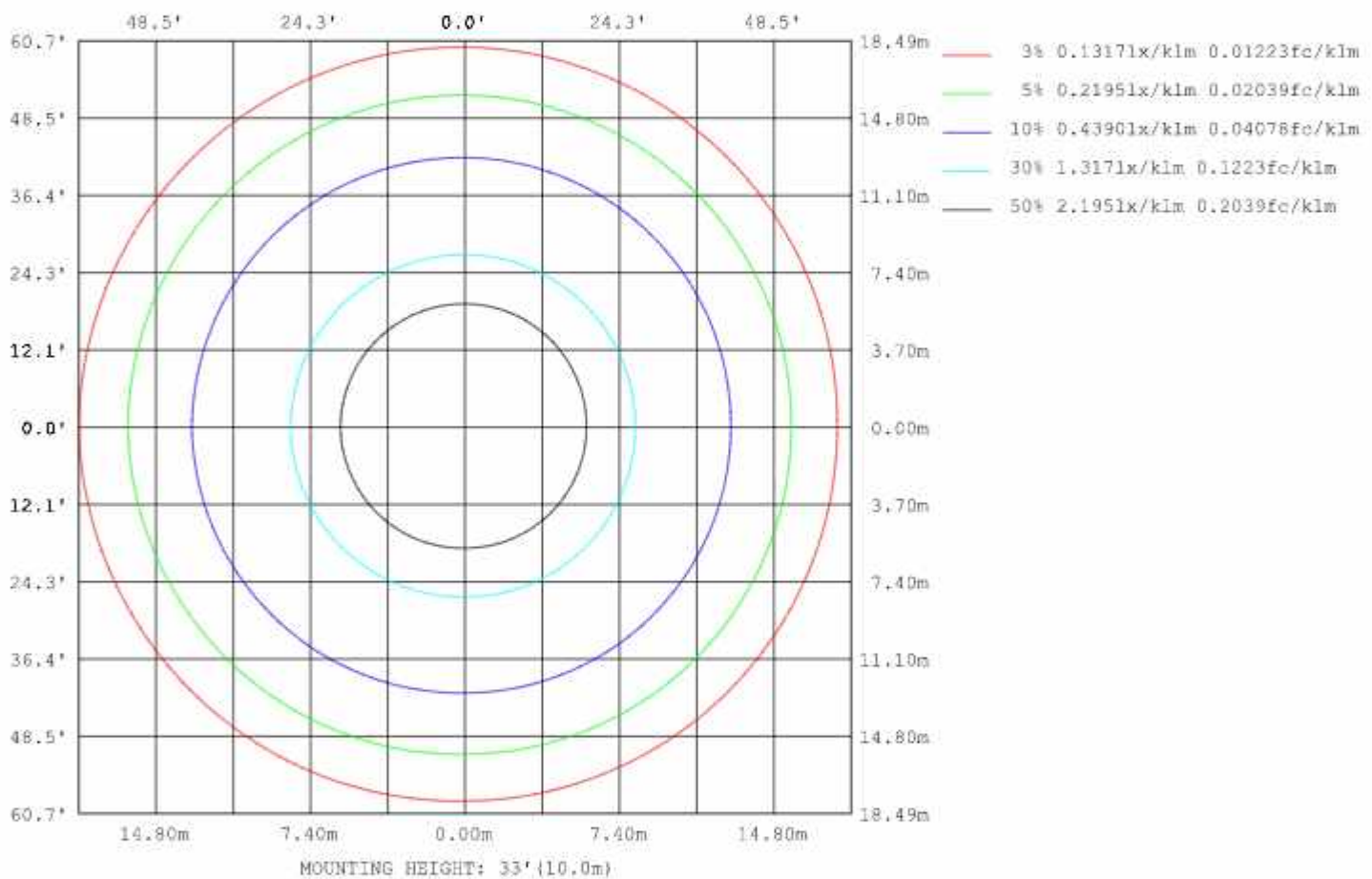
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

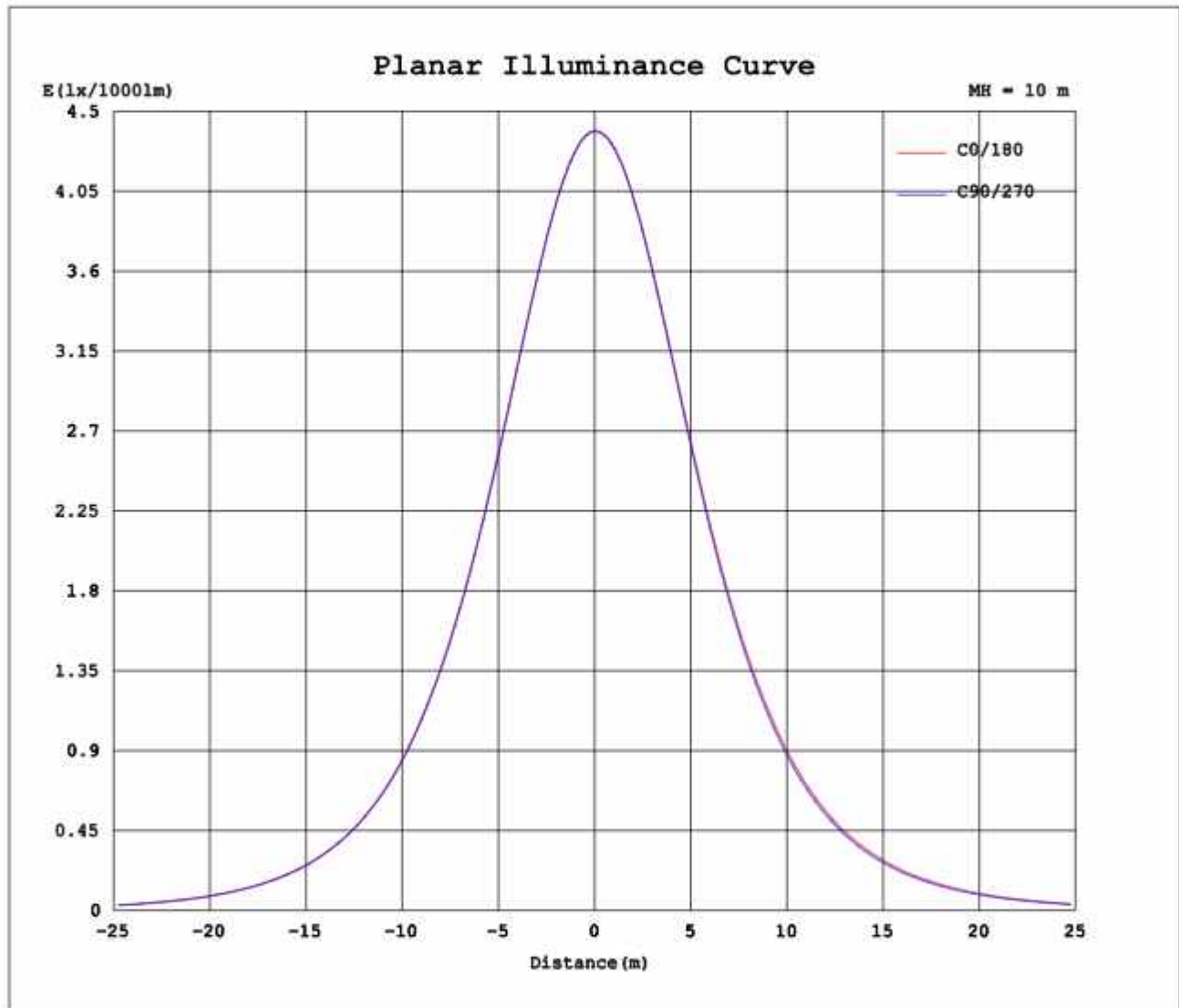
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	439	439	439	439															
5	435	435	437	437															
10	426	426	430	429															
15	411	411	417	416															
20	392	391	399	397															
25	368	367	377	374															
30	341	339	351	347															
35	311	308	322	317															
40	277	275	290	284															
45	240	238	255	247															
50	201	200	216	208															
55	160	160	177	168															
60	118	120	135	128															
65	77.6	79.6	93.5	87.5															
70	41.4	44.8	55.4	50.7															
75	18.3	20.7	25.3	22.6															
80	10.4	11.1	10.4	9.53															
85	5.16	5.63	5.26	4.22															
90	3.91	3.88	1.49	1.38															
95	3.90	3.89	1.55	1.54															
100	3.90	3.88	1.74	1.73															
105	3.90	3.88	1.95	1.93															
110	3.92	3.91	2.17	2.16															
115	3.96	3.95	2.41	2.39															
120	4.02	4.00	2.65	2.63															
125	4.09	4.07	2.89	2.85															
130	4.18	4.14	3.12	3.08															
135	4.27	4.24	3.34	3.31															
140	4.39	4.35	3.58	3.54															
145	4.51	4.48	3.80	3.77															
150	4.65	4.63	4.04	4.01															
155	4.82	4.80	4.29	4.27															
160	4.96	4.96	4.54	4.53															
165	5.08	5.11	4.77	4.76															
170	5.19	5.23	4.98	4.98															
175	5.26	5.29	5.15	5.16															
180	5.27	5.29	5.26	5.27															

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

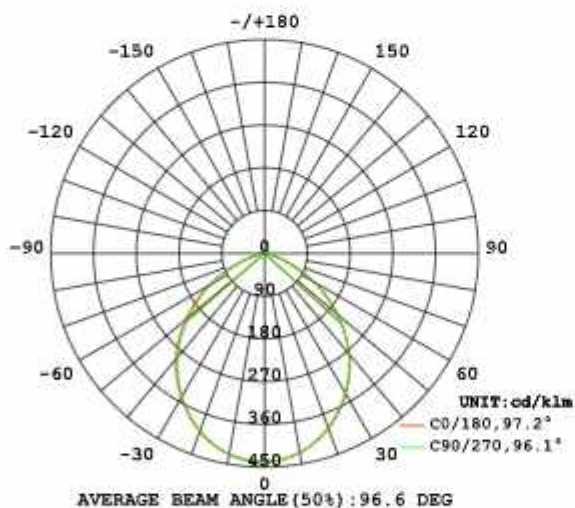
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

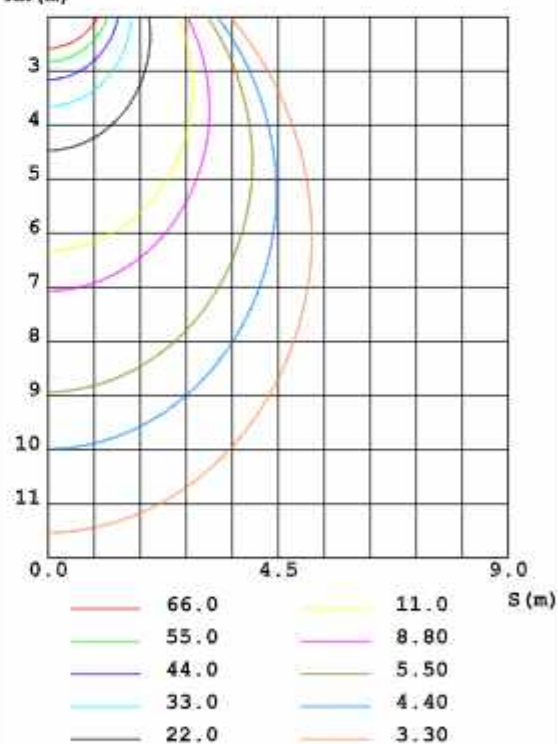
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.52 lm/W			
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.2	S/MH (C0/180)	1.16
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)	1.3, 47.7
NOMINAL FLUX (lm)	2168.39	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.9, 50.1
LAMPS INSIDE	1	η up (%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	η down (%)	97.8	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



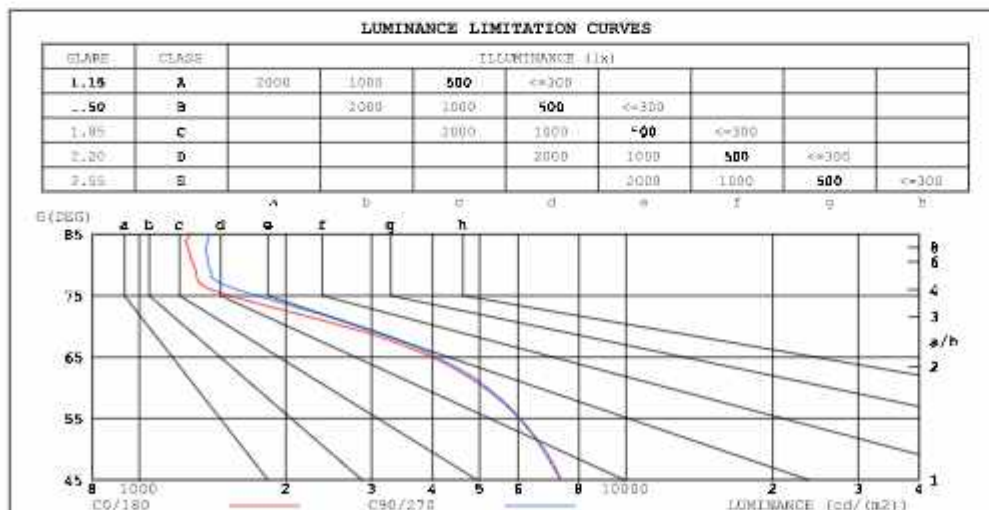
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.1	425.8	429.9	428.9					0- 10	41.36	41.36	4.14, 4.14
20	392.3	390.8	399.5	397.3					10- 20	116.6	157.9	15.8, 15.8
30	341.1	338.8	351.1	347.2					20- 30	171.0	328.9	32.9, 32.9
40	277.7	275.4	290.1	284.3					30- 40	196.5	525.4	52.5, 52.5
50	200.8	199.8	216.0	208.5					40- 50	188.8	714.2	71.4, 71.4
60	118.1	119.5	135.3	127.5					50- 60	148.2	862.4	86.2, 86.2
70	41.52	44.97	55.48	50.98					60- 70	84.26	946.6	94.7, 94.7
80	10.36	11.07	10.34	9.523					70- 80	25.69	972.3	97.2, 97.2
90	3.878	3.855	1.457	1.360					80- 90	6.034	978.3	97.8, 97.8
100	3.866	3.837	1.708	1.703					90-100	2.935	981.3	98.1, 98.1
110	3.880	3.869	2.151	2.132					100-110	3.055	984.3	98.4, 98.4
120	3.980	3.969	2.626	2.602					110-120	3.123	987.4	98.7, 98.7
130	4.138	4.117	3.089	3.065					120-130	3.090	990.5	99.1, 99.1
140	4.352	4.320	3.548	3.525					130-140	2.914	993.5	99.3, 99.3
150	4.638	4.592	4.022	4.003					140-150	2.585	996.0	99.6, 99.6
160	4.944	4.926	4.514	4.519					150-160	2.085	998.1	99.8, 99.8
170	5.160	5.196	4.955	4.967					160-170	1.385	999.5	100, 100
180	5.231	5.251	5.234	5.259					170-180	0.4915	1000.0	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/(m²)		
G(DEG)	C0/180	C90/270
85	3276	1394
80	3294	1382
75	1530	1738
70	2632	2851
65	3986	4087
60	5123	5184
55	6039	6044
50	6775	6739
45	7362	7312

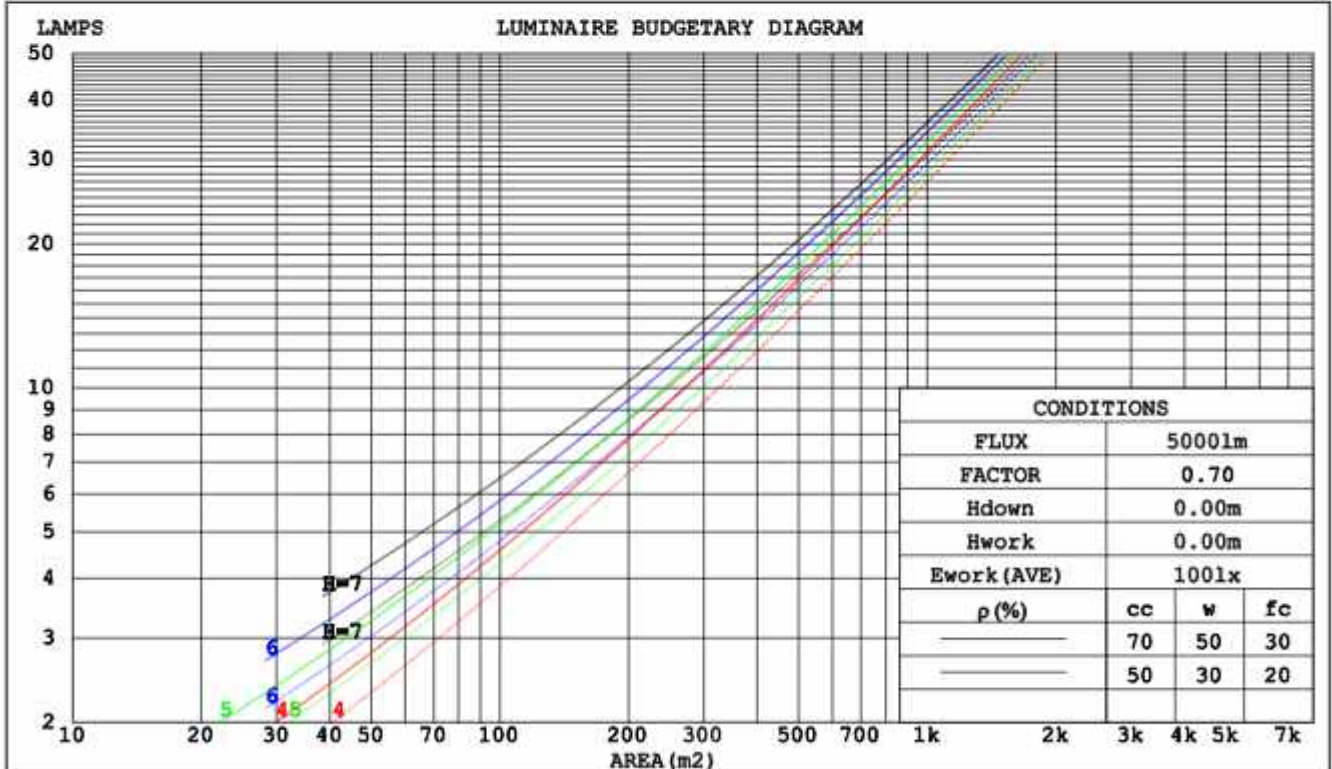
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.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	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.181	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.194	.173	.155	.166	.149	.133	.113	.102	.092	.065	.059	.054	.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	.168	.117	.079	.144	.101	.069	.099	.071	.048	.057	.041	.029	.018	.013	.009	
5.0	.161	.107	.067	.138	.092	.058	.095	.065	.041	.055	.038	.024	.018	.012	.008	
6.0	.154	.098	.058	.132	.085	.051	.091	.060	.036	.053	.035	.021	.017	.011	.007	
7.0	.147	.091	.052	.127	.079	.045	.088	.056	.032	.051	.033	.019	.016	.011	.006	
8.0	.141	.086	.047	.122	.074	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	
9.0	.136	.081	.043	.117	.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

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: 8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						
x = 2H y = 2H						Viewed endwise						
3H						15.9	17.2	16.2	17.5	17.7	15.9	17.3
4H						16.4	17.6	16.7	17.9	18.2	16.4	17.7
6H						16.4	17.6	16.7	17.9	18.1	16.5	17.7
8H						16.4	17.5	16.7	17.8	18.1	16.5	17.6
12H						16.4	17.4	16.7	17.7	18.0	16.4	17.5
						16.3	17.4	16.7	17.7	18.0	16.4	17.5
						16.3	17.3	16.7	17.7	18.0	16.4	17.4
4H 2H						16.2	17.4	16.5	17.6	17.9	16.2	17.4
3H						16.7	17.8	17.1	18.1	18.4	16.8	17.8
4H						16.8	17.7	17.2	18.1	18.4	16.9	17.8
6H						16.8	17.6	17.2	18.0	18.4	16.9	17.7
8H						16.8	17.6	17.2	18.0	18.4	16.9	17.7
12H						16.8	17.5	17.3	17.9	18.4	16.9	17.6
8H 4H						16.8	17.5	17.2	17.9	18.3	16.8	17.6
6H						16.8	17.4	17.3	17.9	18.3	16.9	17.5
8H						16.8	17.4	17.3	17.9	18.3	16.9	17.5
12H						16.9	17.3	17.4	17.8	18.3	17.0	17.4
12H 4H						16.7	17.4	17.2	17.8	18.3	16.8	17.5
6H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
8H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
Variations with the observer position at spacings:												
S = 1.0H			+ 0.5 / - 0.6				+ 0.5 / - 0.6					
1.5H			+ 0.2 / - 0.5				+ 0.2 / - 0.5					
2.0H			+ 0.9 / - 1.0				+ 0.8 / - 1.0					

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

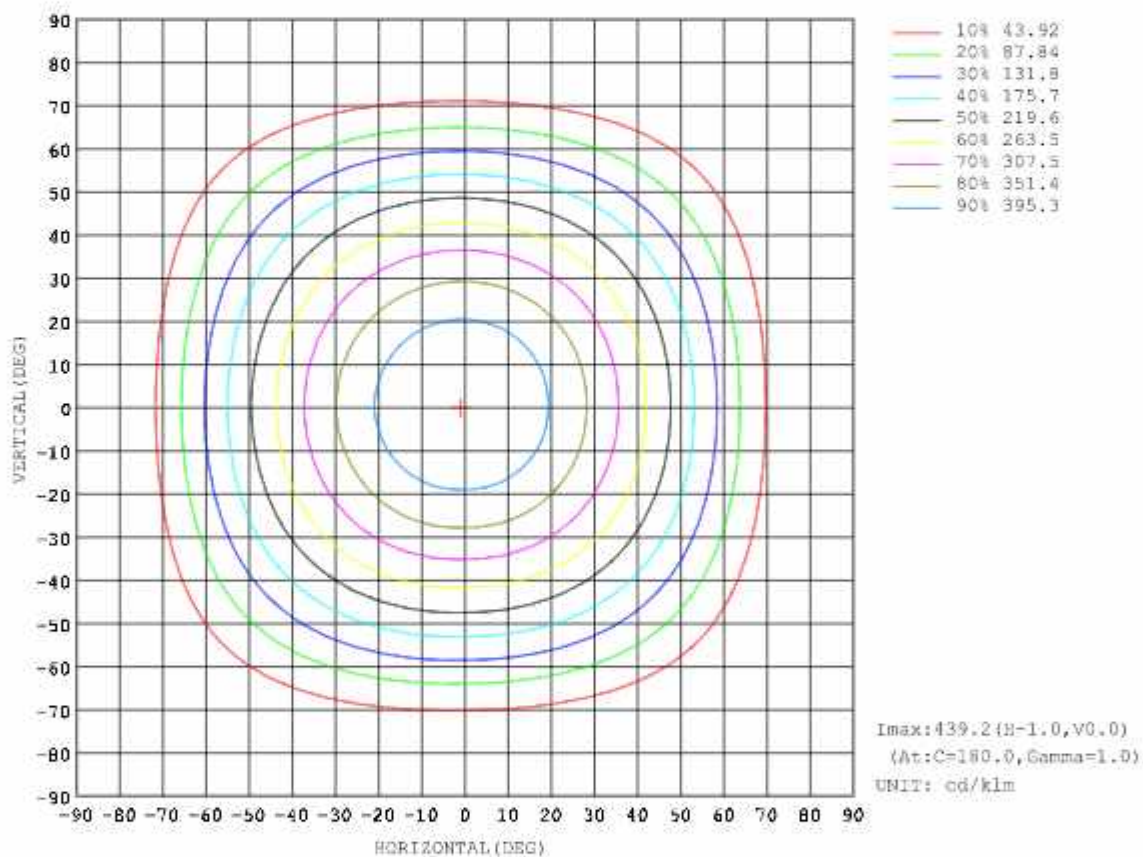
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	70	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	80	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	86	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					SHRNM = 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

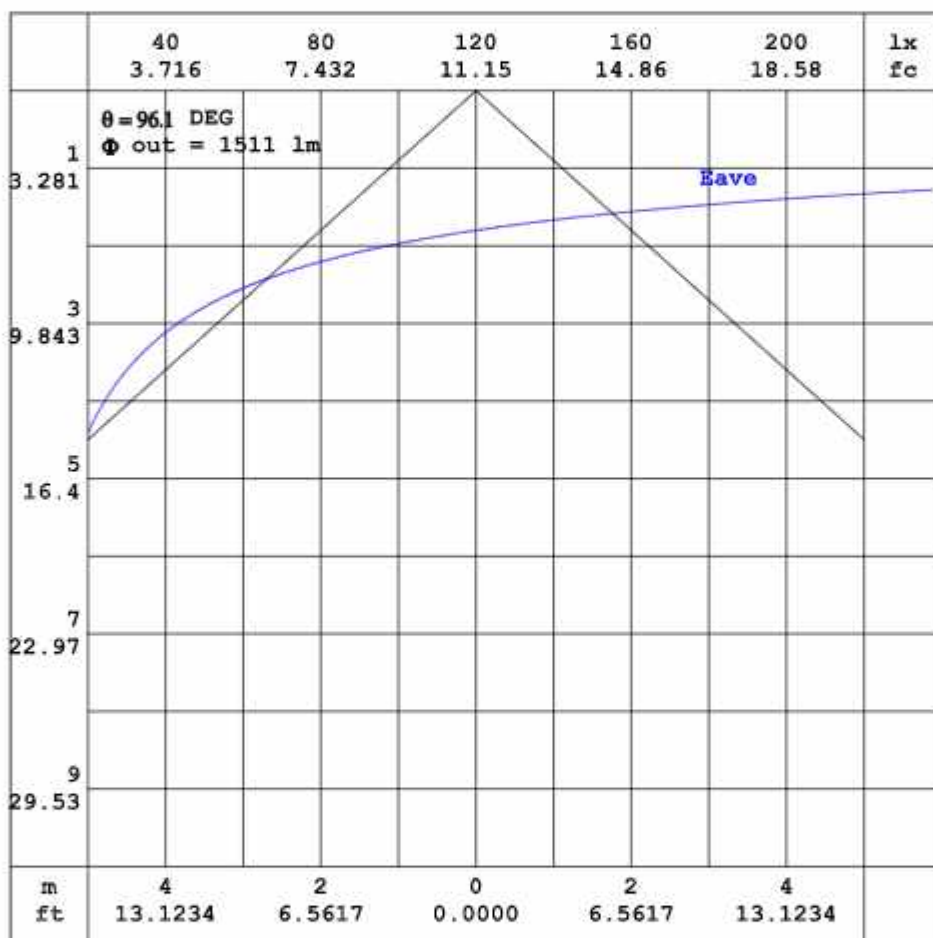


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



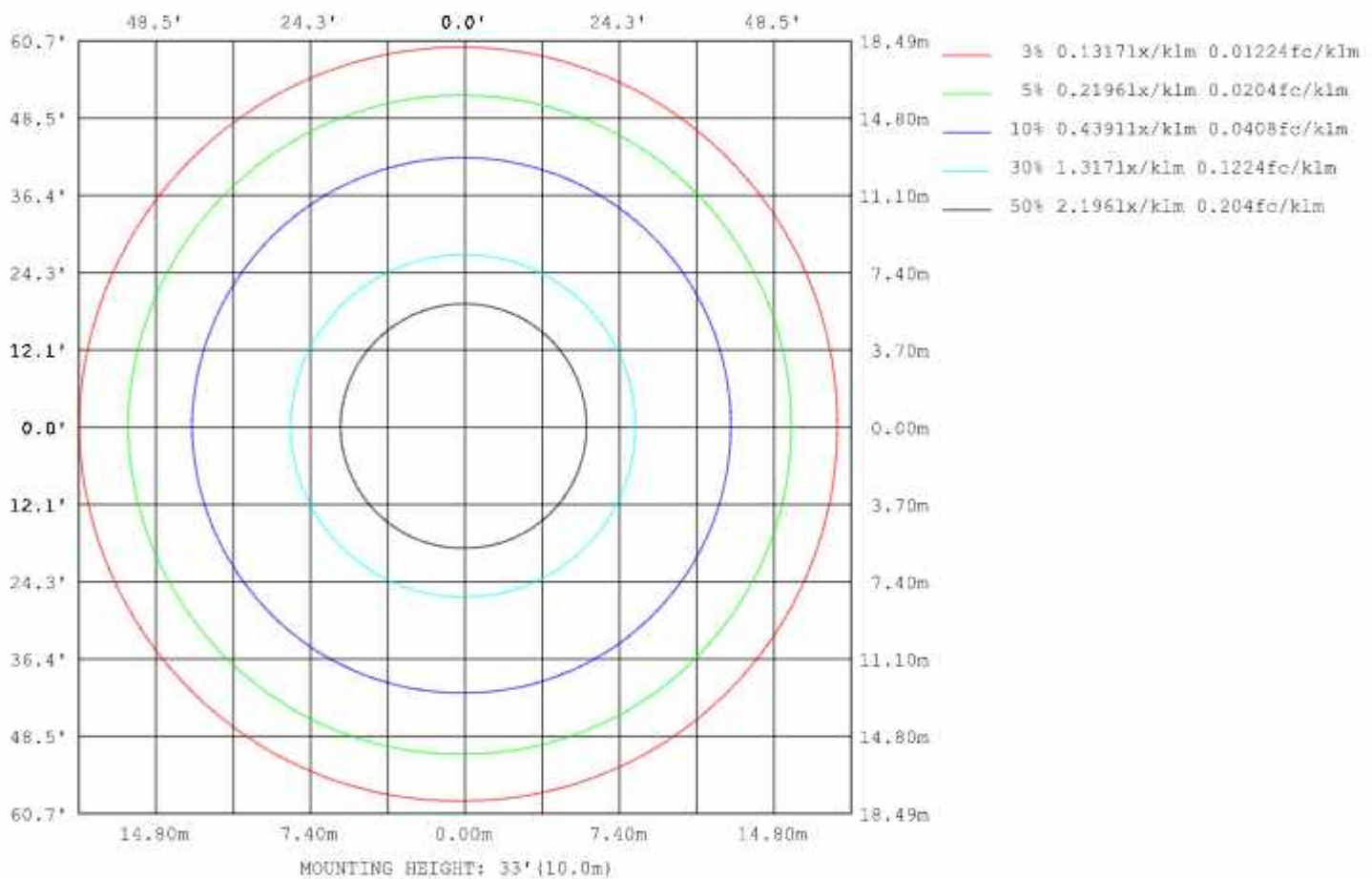
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

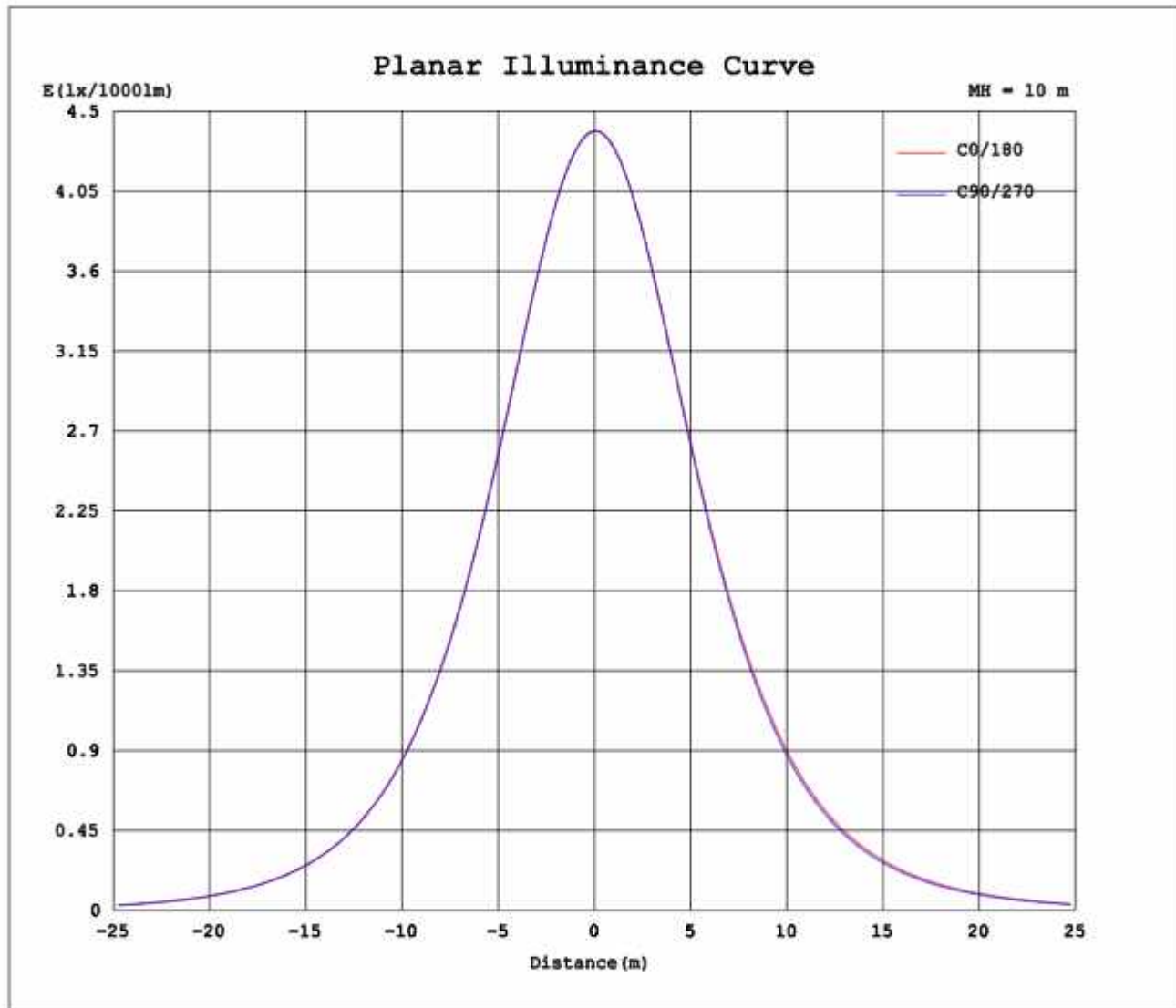
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	439	439	439	439															
5	435	435	437	437															
10	426	426	430	429															
15	412	411	417	416															
20	392	391	400	397															
25	369	367	377	374															
30	341	339	351	347															
35	311	308	322	317															
40	278	275	290	284															
45	240	238	255	247															
50	201	200	216	208															
55	160	160	176	169															
60	118	120	135	128															
65	77.7	79.6	94.0	87.6															
70	41.5	45.0	55.5	51.0															
75	18.3	20.7	25.4	22.7															
80	10.4	11.1	10.3	9.52															
85	5.13	5.60	5.22	4.20															
90	3.88	3.86	1.46	1.36															
95	3.87	3.84	1.52	1.52															
100	3.87	3.84	1.71	1.70															
105	3.87	3.84	1.92	1.91															
110	3.88	3.87	2.15	2.13															
115	3.92	3.92	2.39	2.36															
120	3.98	3.97	2.63	2.60															
125	4.05	4.04	2.86	2.84															
130	4.14	4.12	3.09	3.06															
135	4.24	4.21	3.33	3.30															
140	4.35	4.32	3.55	3.52															
145	4.50	4.45	3.78	3.76															
150	4.64	4.59	4.02	4.00															
155	4.79	4.76	4.26	4.26															
160	4.94	4.93	4.51	4.52															
165	5.07	5.08	4.74	4.75															
170	5.16	5.20	4.95	4.97															
175	5.23	5.26	5.13	5.14															
180	5.23	5.25	5.23	5.26															

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

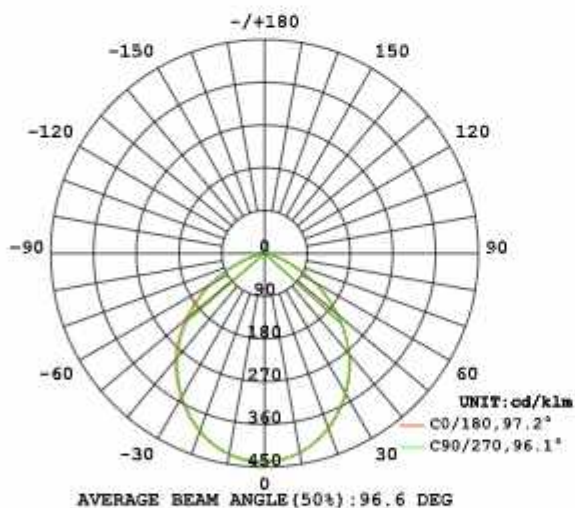
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

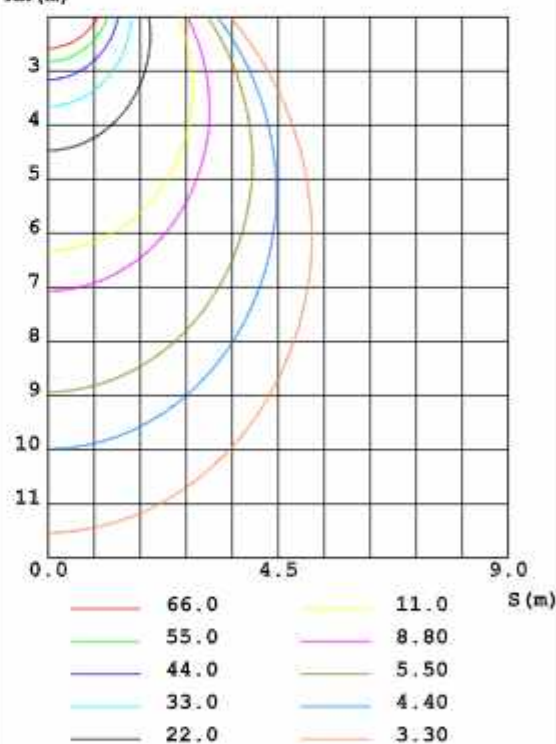
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.54 lm/W			
MODEL	8LMCT30LR05	Imax(cd/klm)	439.4	S/MH(C0/180)	1.16
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.16
RATED VOLTAGE(V)	122	TOTAL FLUX(lm/klm)	1000.0	η UP,DN(C0-180)	1.3,47.7
NOMINAL FLUX(lm)	2260.63	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.9,50.1
LAMPS INSIDE	1	η up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	121.8	η down(%)	97.8	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx/klm)



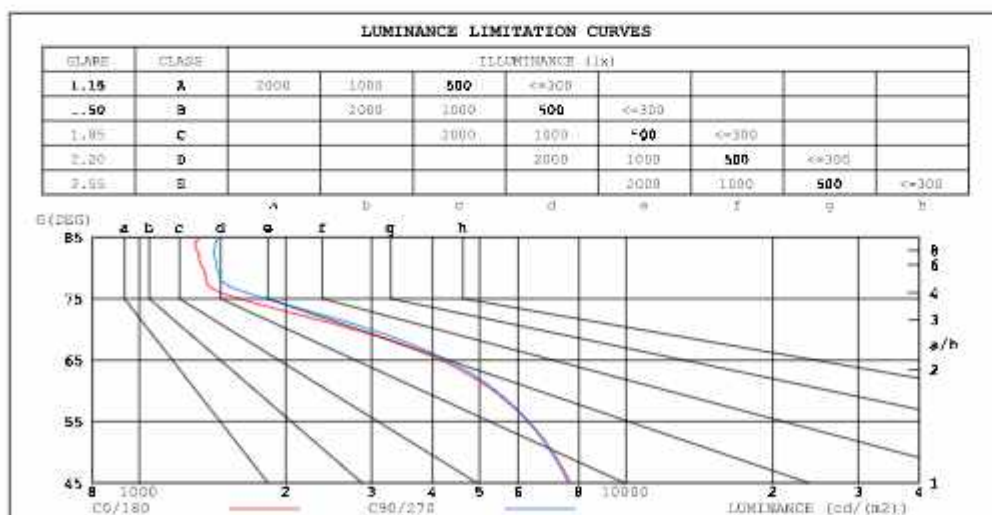
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.4	425.3	430.0	428.8					0- 10	41.35	41.35	4.14, 4.14
20	392.4	390.7	399.4	397.2					10- 20	116.5	157.9	15.8, 15.8
30	341.1	338.7	351.1	347.2					20- 30	171.0	328.9	32.9, 32.9
40	277.8	275.2	290.1	284.3					30- 40	196.5	525.4	52.5, 52.5
50	200.9	199.6	216.1	208.4					40- 50	188.7	714.1	71.4, 71.4
60	118.1	119.3	135.3	127.4					50- 60	148.1	862.2	86.2, 86.2
70	41.67	45.10	55.66	51.13					60- 70	84.33	946.5	94.7, 94.7
80	10.39	11.04	10.37	9.536					70- 80	25.77	972.3	97.2, 97.2
90	3.891	3.838	1.456	1.353					80- 90	6.034	978.4	97.8, 97.8
100	3.872	3.838	1.715	1.699					90-100	2.936	981.3	98.1, 98.1
110	3.887	3.866	2.148	2.136					100-110	3.057	984.3	98.4, 98.4
120	3.984	3.961	2.625	2.586					110-120	3.123	987.5	98.7, 98.7
130	4.142	4.108	3.091	3.047					120-130	3.086	990.6	99.1, 99.1
140	4.356	4.312	3.552	3.509					130-140	2.909	993.5	99.3, 99.3
150	4.622	4.589	4.020	3.984					140-150	2.579	996.0	99.6, 99.6
160	4.929	4.921	4.513	4.499					150-160	2.082	998.1	99.8, 99.8
170	5.158	5.189	4.958	4.947					160-170	1.383	999.5	100, 100
180	5.232	5.243	5.240	5.239					170-180	0.4910	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



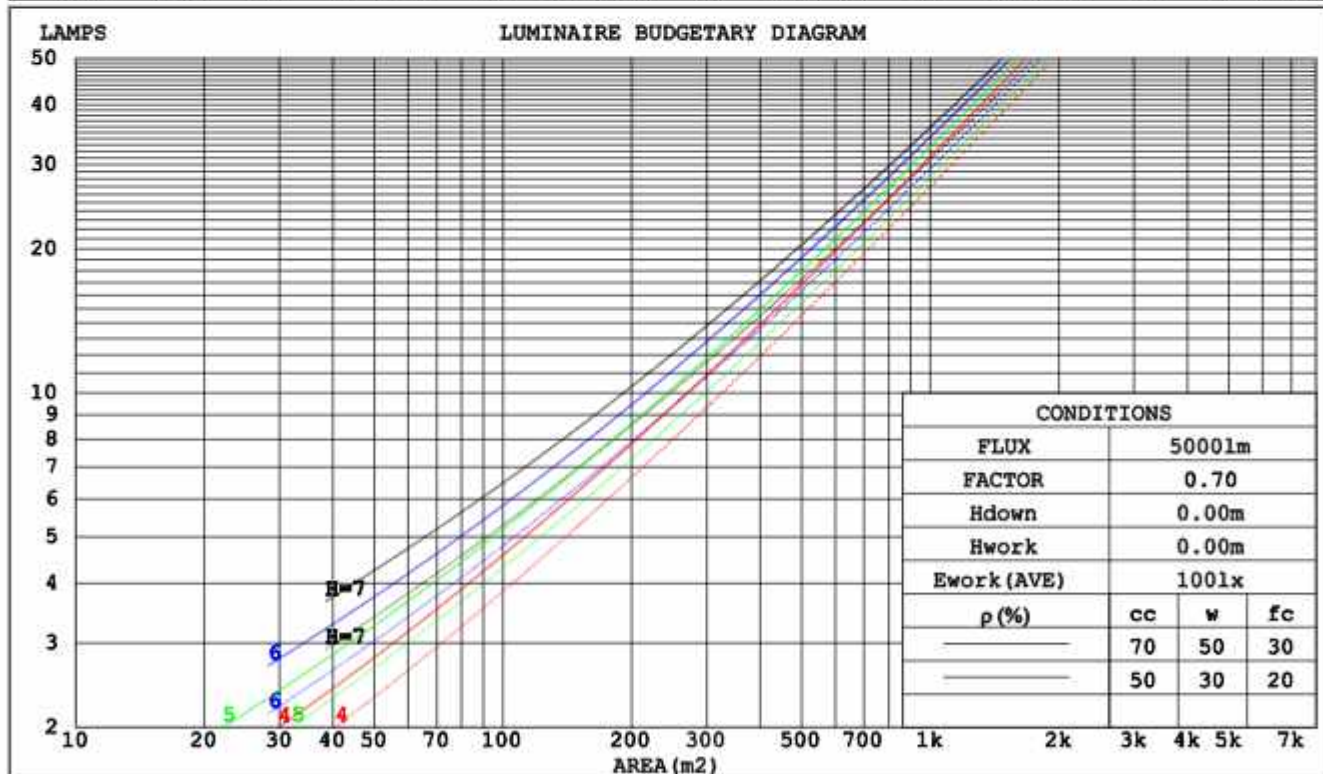
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.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	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.240	.137	.044	.226	.131	.042	.214	.124	.040	
2.0	.253	.139	.043	.247	.136	.042	.234	.130	.040	.223	.125	.039	.212	.120	.038	
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035	
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032	
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.181	.097	.029	
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027	
7.0	.185	.092	.026	.182	.091	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025	
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023	
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021	
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.194	.173	.155	.166	.149	.133	.113	.102	.092	.065	.059	.054	.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	.168	.117	.079	.144	.101	.068	.099	.071	.048	.057	.041	.029	.018	.013	.009	
5.0	.161	.107	.067	.138	.092	.058	.095	.065	.041	.055	.038	.024	.018	.012	.008	
6.0	.154	.098	.058	.132	.085	.051	.091	.060	.036	.053	.035	.021	.017	.011	.007	
7.0	.147	.091	.052	.127	.079	.045	.088	.056	.032	.051	.033	.019	.016	.011	.006	
8.0	.141	.086	.047	.122	.074	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	
9.0	.136	.081	.043	.117	.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

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: 8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						
x = 2H y = 2H						Viewed endwise						
3H						15.9 17.2 16.2 17.5 17.7						
4H						16.4 17.6 16.7 17.9 18.2						
6H						16.4 17.6 16.7 17.9 18.2						
8H						16.4 17.5 16.7 17.8 18.1						
12H						16.4 17.5 16.7 17.8 18.1						
4H 2H						16.4 17.4 16.8 17.8 18.1						
3H						16.4 17.4 16.8 17.8 18.1						
4H						16.5 17.7 16.8 17.9 18.2						
6H						16.5 17.6 16.8 17.9 18.2						
8H						16.5 17.6 16.8 17.9 18.2						
12H						16.5 17.6 16.8 17.9 18.2						
8H 4H						16.5 17.6 16.8 17.9 18.2						
6H						16.5 17.6 16.8 17.9 18.2						
8H						16.5 17.6 16.8 17.9 18.2						
12H						16.5 17.6 16.8 17.9 18.2						
12H 4H						16.5 17.6 16.8 17.9 18.2						
6H						16.5 17.6 16.8 17.9 18.2						
8H						16.5 17.6 16.8 17.9 18.2						
Variations with the observer position at spacings:												
S = 1.0H						+ 0.5 / - 0.6						
1.5H						+ 0.2 / - 0.5						
2.0H						+ 0.9 / - 1.0						

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

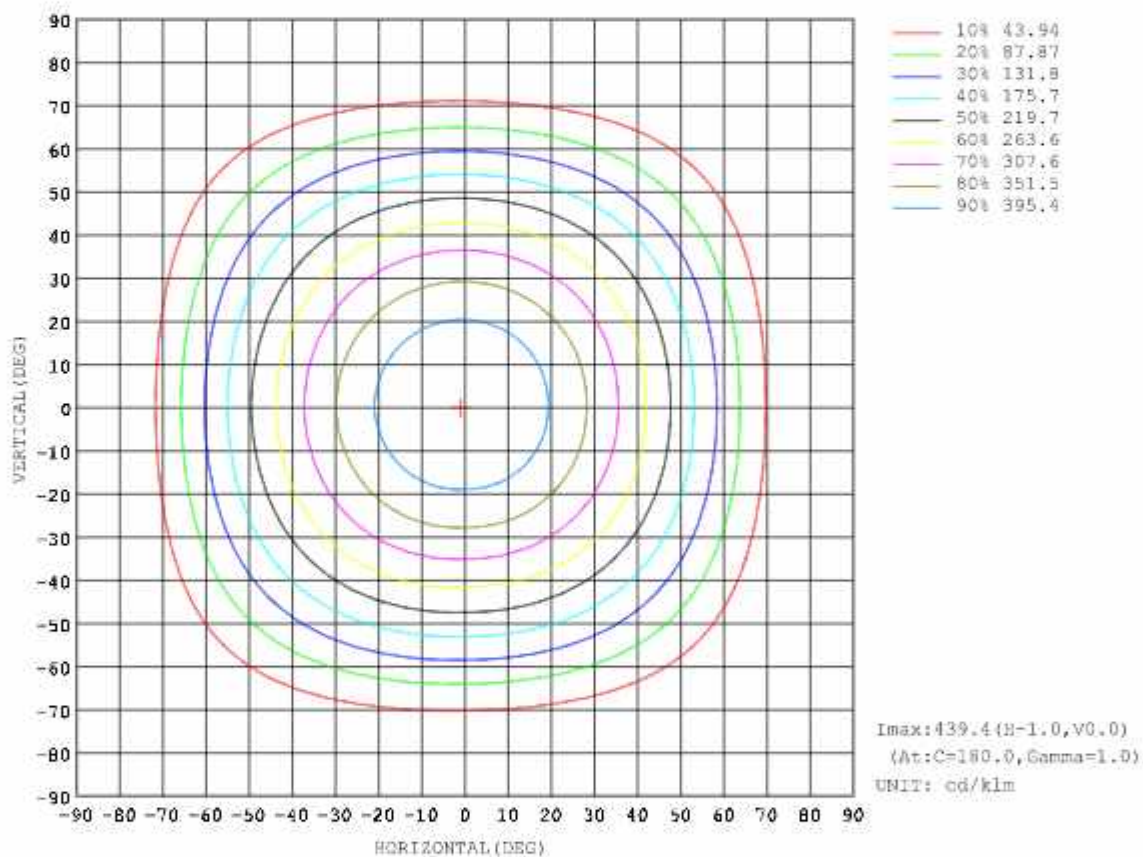
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	70	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	80	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	86	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				SHRNM = 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

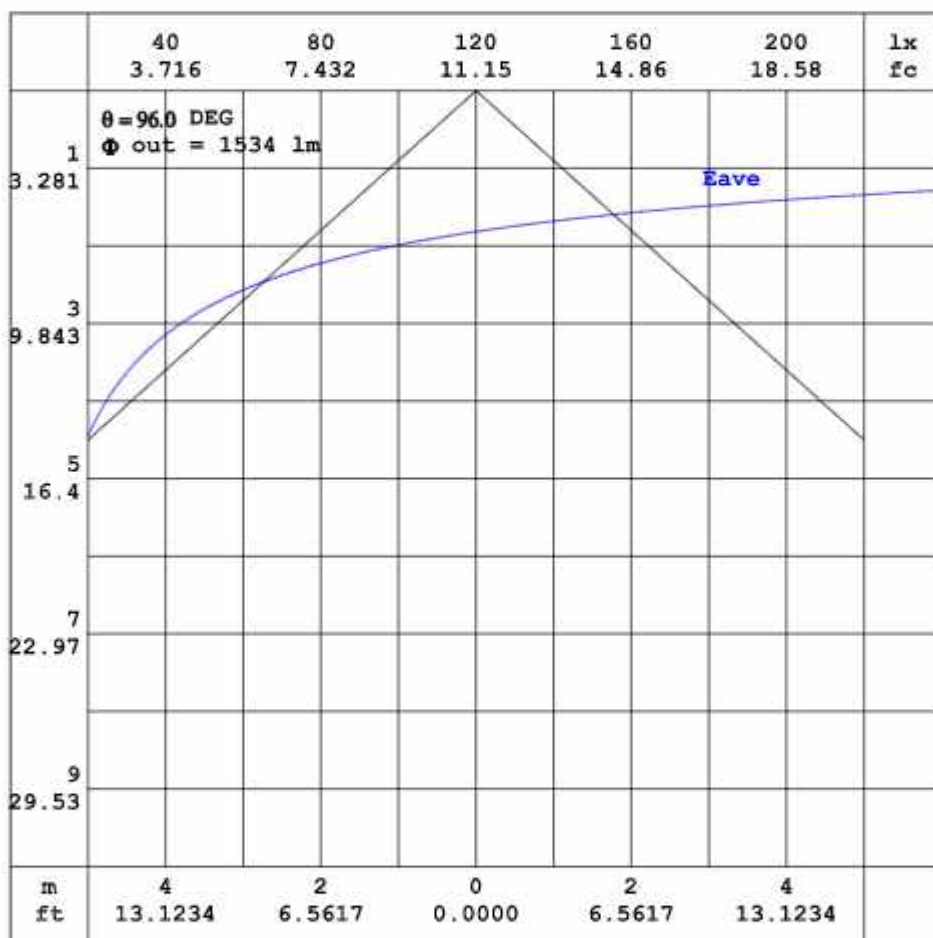


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



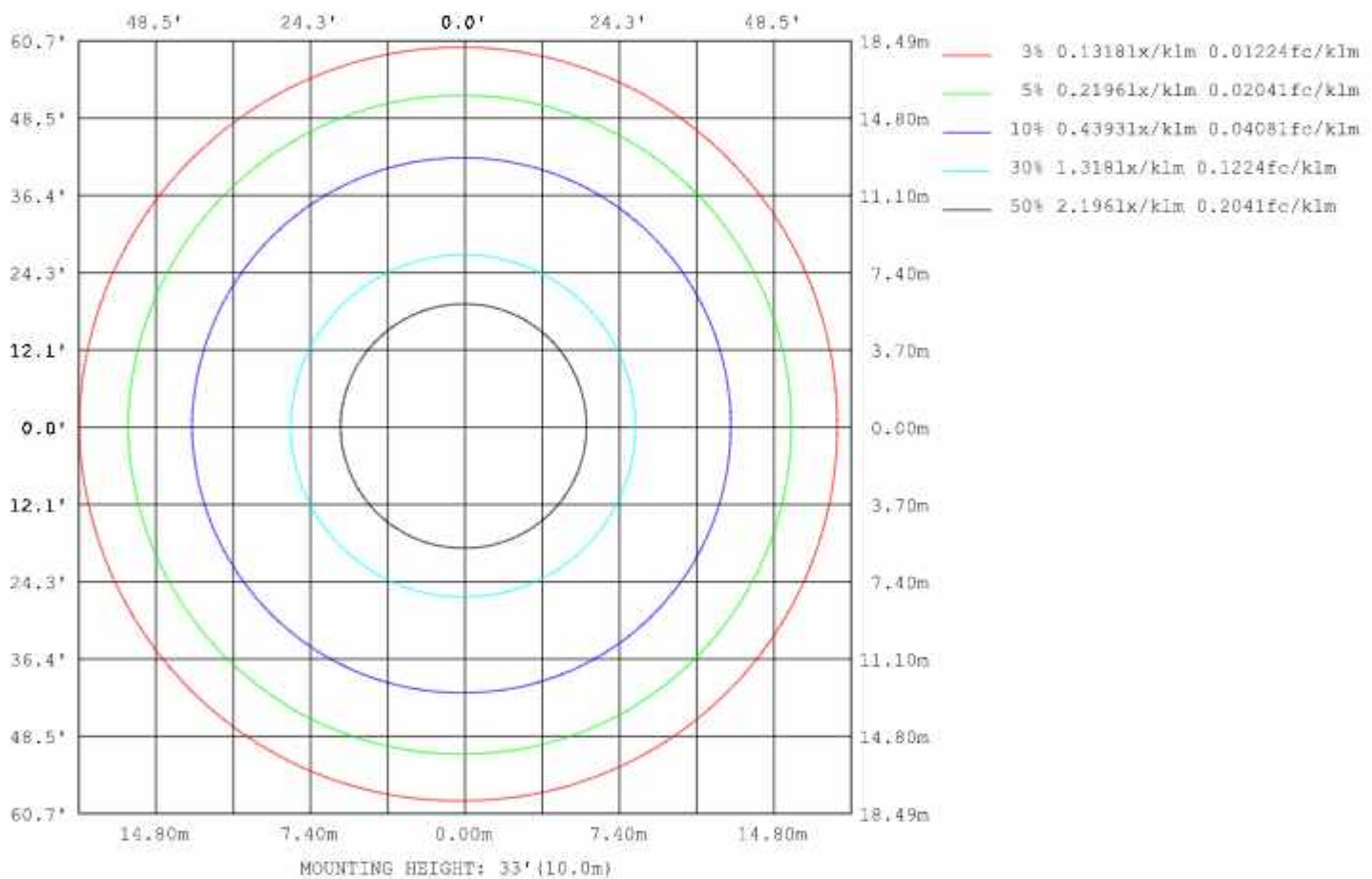
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

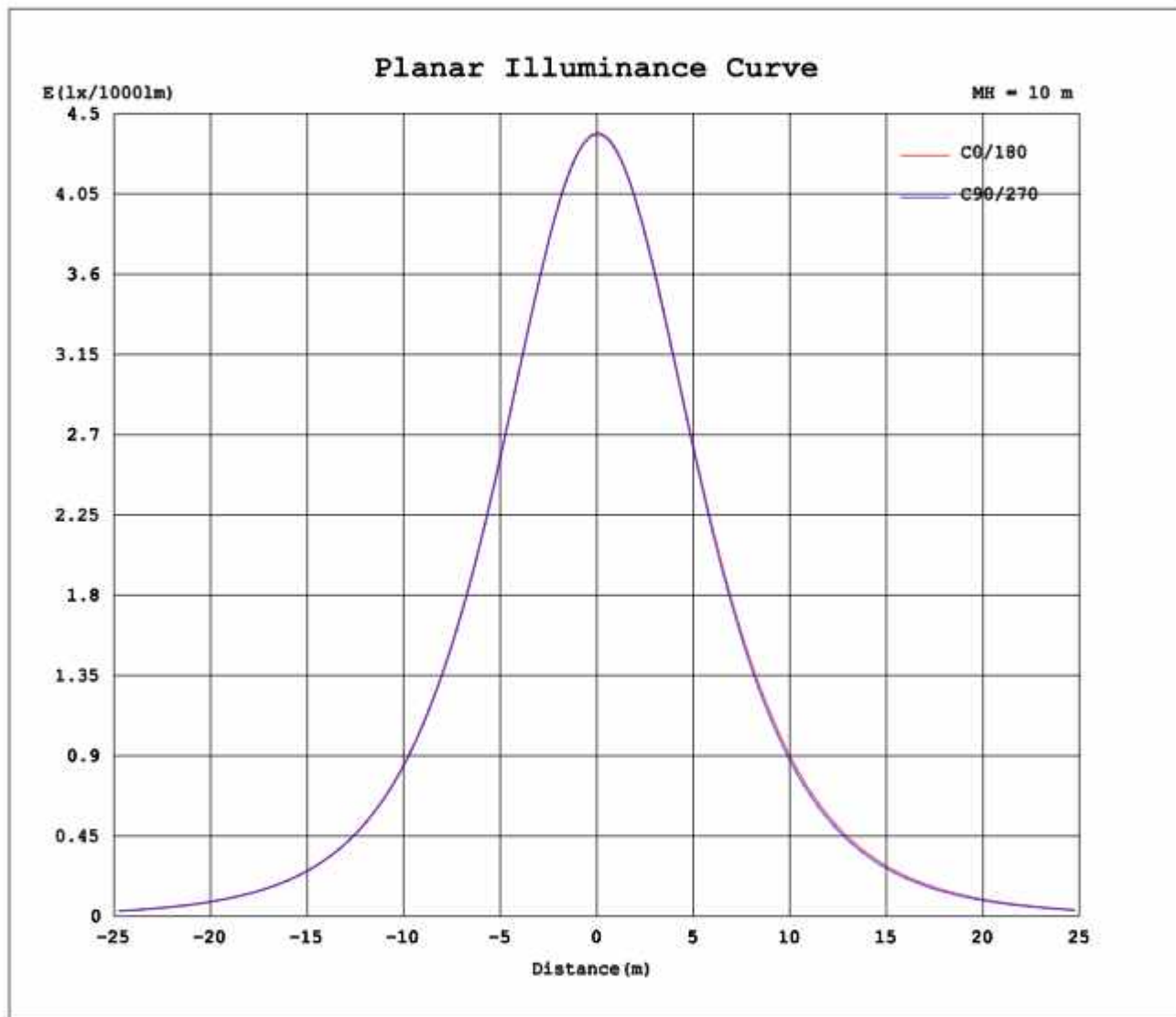
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	439	438	439	438															
5	435	435	437	436															
10	426	425	430	429															
15	412	410	417	415															
20	392	391	399	397															
25	369	366	377	374															
30	341	339	351	347															
35	311	308	322	317															
40	278	275	290	284															
45	240	238	255	247															
50	201	200	216	208															
55	160	160	176	168															
60	118	119	135	127															
65	77.8	79.6	94.4	87.6															
70	41.7	45.1	55.7	51.1															
75	18.3	20.8	25.6	22.8															
80	10.4	11.0	10.4	9.54															
85	5.14	5.59	5.22	4.20															
90	3.89	3.84	1.46	1.35															
95	3.88	3.84	1.52	1.51															
100	3.87	3.84	1.72	1.70															
105	3.87	3.85	1.93	1.91															
110	3.89	3.87	2.15	2.14															
115	3.93	3.91	2.38	2.37															
120	3.98	3.96	2.62	2.59															
125	4.06	4.03	2.86	2.82															
130	4.14	4.11	3.09	3.05															
135	4.24	4.20	3.32	3.28															
140	4.36	4.31	3.55	3.51															
145	4.48	4.44	3.78	3.74															
150	4.62	4.59	4.02	3.98															
155	4.78	4.76	4.27	4.24															
160	4.93	4.92	4.51	4.50															
165	5.05	5.07	4.75	4.74															
170	5.16	5.19	4.96	4.95															
175	5.23	5.26	5.13	5.12															
180	5.23	5.24	5.24	5.24															

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

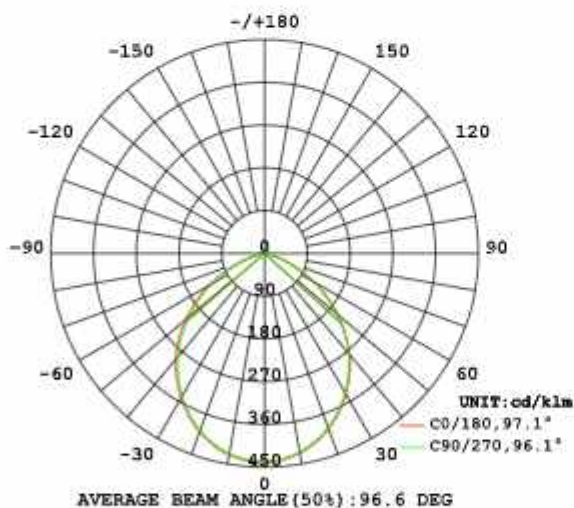
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

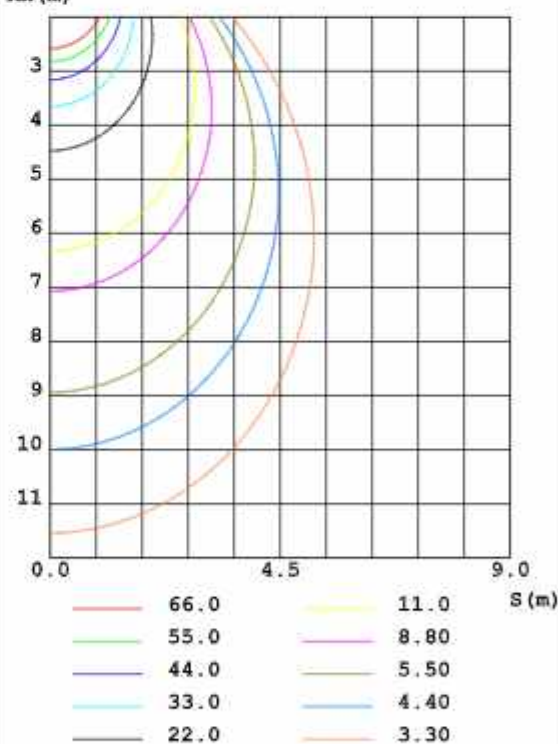
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.63 lm/W			
MODEL	8LMCT30LR05	I _{max} (cd/klm)	440.0	S/MH (C0/180)	1.17
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	1.3, 47.8
NOMINAL FLUX (lm)	2384.26	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.9, 50.1
LAMPS INSIDE	1	η up (%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.9	η down (%)	97.8	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



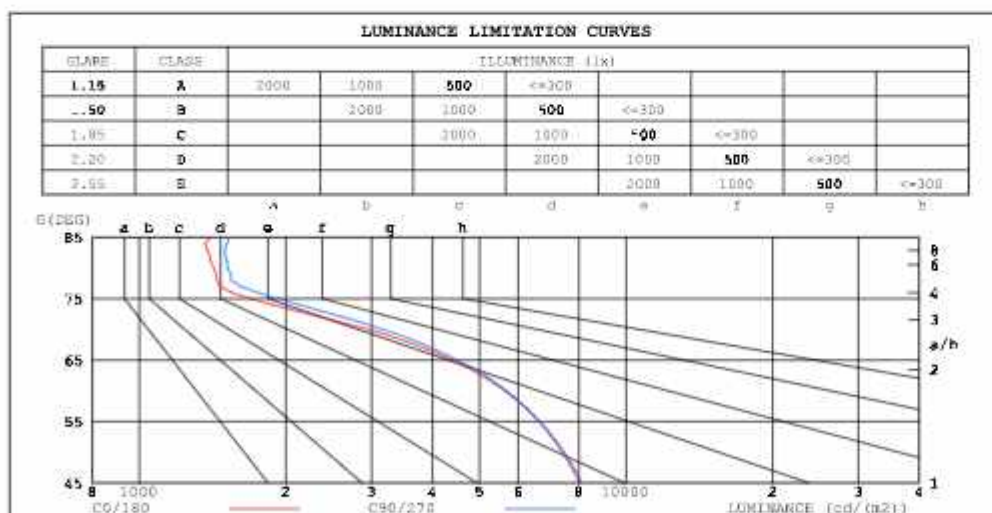
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.9	424.8	430.7	428.0					0- 10	41.35	41.35	4.13, 4.13
20	393.0	390.4	400.2	396.6					10- 20	116.6	157.9	15.8, 15.8
30	341.9	338.2	351.6	346.6					20- 30	171.0	329.0	32.9, 32.9
40	278.3	275.0	290.7	283.8					30- 40	196.5	525.5	52.5, 52.5
50	201.0	199.3	216.2	207.8					40- 50	188.7	714.2	71.4, 71.4
60	118.2	119.1	135.2	127.0					50- 60	147.9	862.1	86.2, 86.2
70	42.43	45.38	55.94	51.23					60- 70	84.37	946.5	94.7, 94.7
80	10.37	11.04	10.41	9.502					70- 80	25.90	972.4	97.2, 97.2
90	3.870	3.830	1.459	1.336					80- 90	6.018	978.4	97.8, 97.8
100	3.860	3.828	1.707	1.680					90-100	2.922	981.4	98.1, 98.1
110	3.873	3.857	2.145	2.111					100-110	3.044	984.4	98.4, 98.4
120	3.980	3.948	2.622	2.577					110-120	3.111	987.5	98.8, 98.8
130	4.135	4.095	3.086	3.036					120-130	3.077	990.6	99.1, 99.1
140	4.348	4.301	3.545	3.488					130-140	2.900	993.5	99.3, 99.3
150	4.611	4.576	4.017	3.963					140-150	2.572	996.1	99.6, 99.6
160	4.911	4.906	4.512	4.475					150-160	2.075	998.1	99.8, 99.8
170	5.146	5.171	4.952	4.921					160-170	1.379	999.5	100, 100
180	5.219	5.230	5.233	5.215					170-180	0.4896	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/(m²)		
G(DEG)	C0/180	C90/270
85	1400	1527
80	1424	1515
75	1691	1923
70	2958	3163
65	4398	4494
60	5637	5679
55	6639	6623
50	7456	7391
45	8110	8027

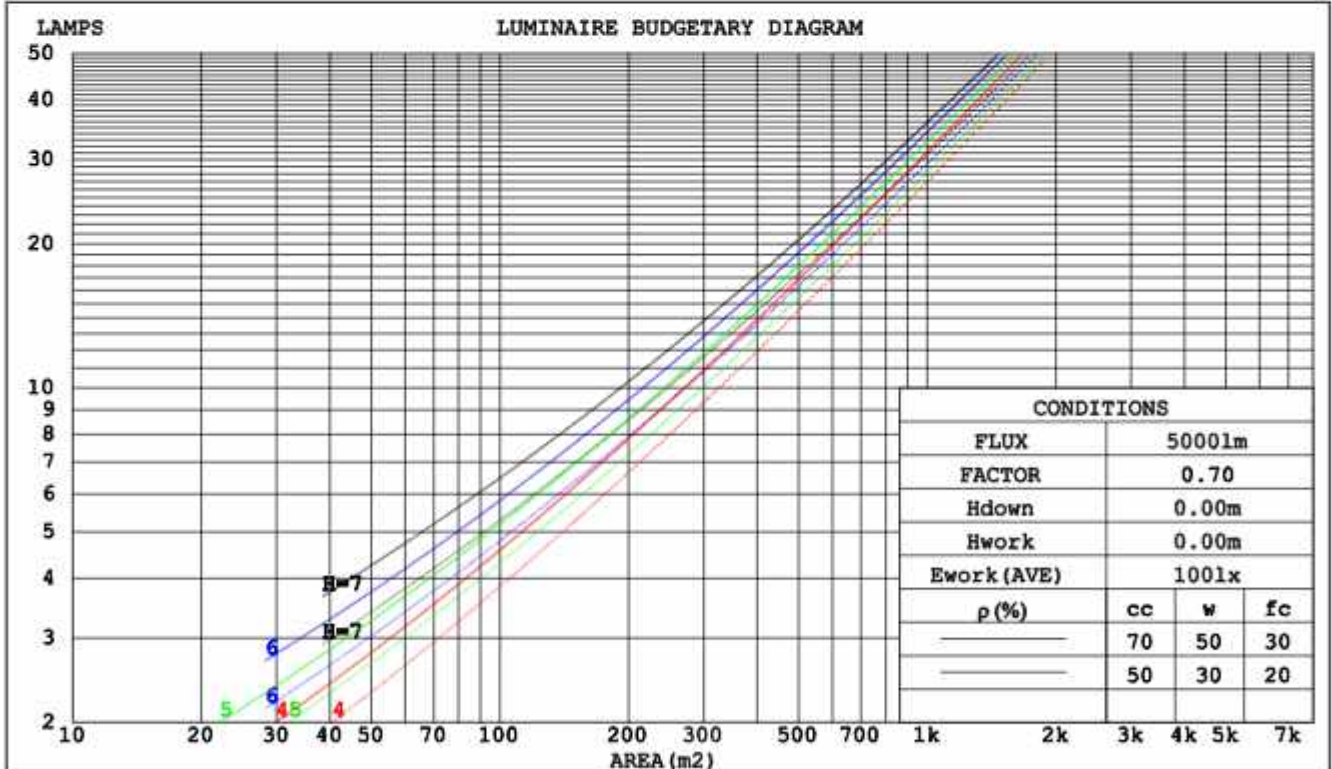
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.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	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.240	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.247	.136	.042	.234	.130	.040	.223	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.091	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.194	.173	.155	.166	.149	.133	.113	.102	.092	.065	.059	.054	.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	.168	.117	.079	.144	.101	.068	.099	.071	.048	.057	.041	.029	.018	.013	.009	
5.0	.161	.107	.067	.138	.092	.058	.095	.064	.041	.055	.038	.024	.018	.012	.008	
6.0	.154	.098	.058	.132	.085	.051	.091	.060	.036	.053	.035	.021	.017	.011	.007	
7.0	.147	.091	.052	.127	.079	.045	.088	.055	.032	.051	.033	.019	.016	.011	.006	
8.0	.141	.086	.047	.122	.074	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	
9.0	.136	.081	.043	.117	.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

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: 8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						15.9	17.2	16.2	17.5	17.7	15.9	17.2	16.2	17.5	17.7
3H						16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.7	17.9	18.2
4H						16.4	17.6	16.7	17.9	18.2	16.5	17.7	16.8	17.9	18.2
6H						16.4	17.5	16.7	17.8	18.1	16.5	17.6	16.8	17.9	18.2
8H						16.4	17.4	16.7	17.7	18.1	16.4	17.5	16.8	17.8	18.1
12H						16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1
4H 2H						16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
3H						16.8	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.2	18.5
4H						16.8	17.7	17.2	18.1	18.5	16.9	17.8	17.3	18.2	18.5
6H						16.8	17.6	17.3	18.0	18.4	16.9	17.7	17.3	18.1	18.5
8H						16.8	17.6	17.3	18.0	18.4	16.9	17.7	17.4	18.1	18.5
12H						16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.4	18.0	18.5
8H 4H						16.8	17.5	17.2	17.9	18.4	16.8	17.6	17.3	18.0	18.4
6H						16.8	17.5	17.3	17.9	18.4	16.9	17.5	17.4	18.0	18.4
8H						16.9	17.4	17.4	17.9	18.4	17.0	17.5	17.4	18.0	18.5
12H						16.9	17.4	17.4	17.8	18.4	17.0	17.4	17.5	17.9	18.5
12H 4H						16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.3	17.9	18.4
6H						16.8	17.4	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
8H						16.9	17.3	17.4	17.8	18.3	16.9	17.4	17.5	17.9	18.4
Variations with the observer position at spacings:															
S = 1.0H						+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H						+ 0.2 / - 0.5					+ 0.2 / - 0.5				
2.0H						+ 0.9 / - 1.0					+ 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

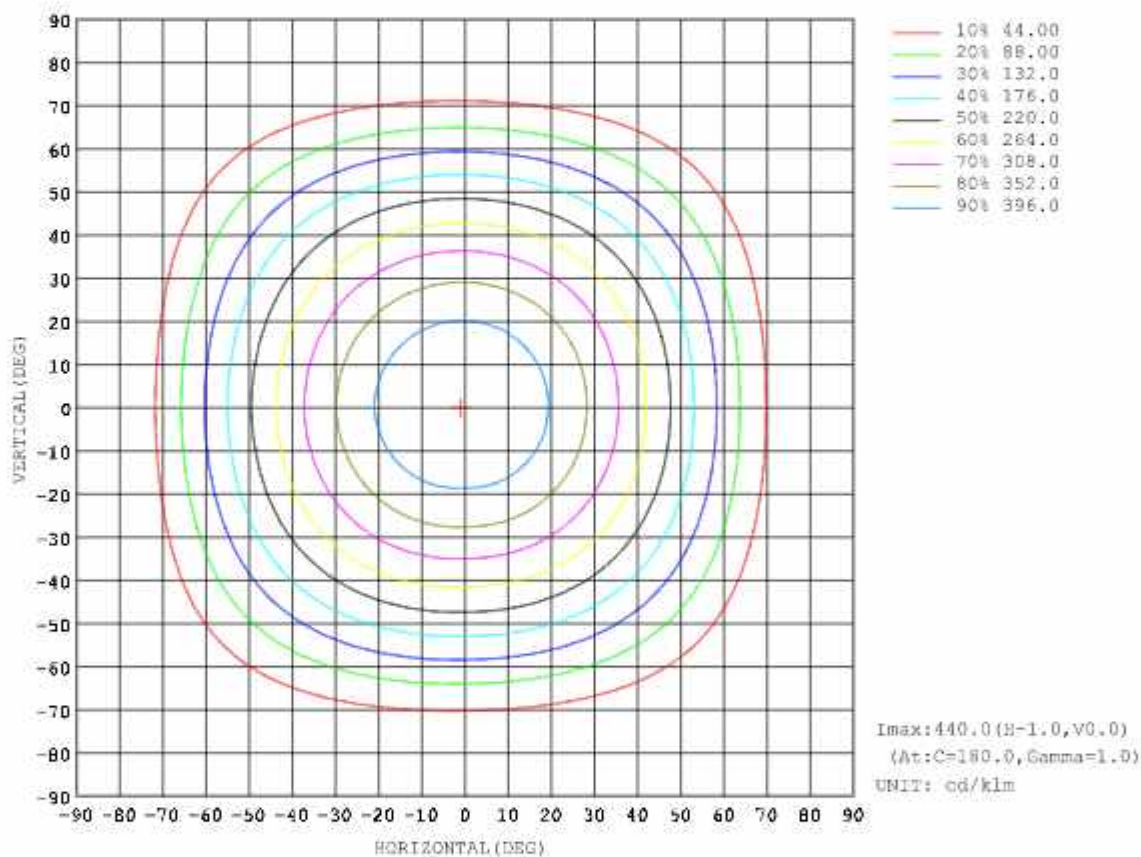
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	70	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	80	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	86	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					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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

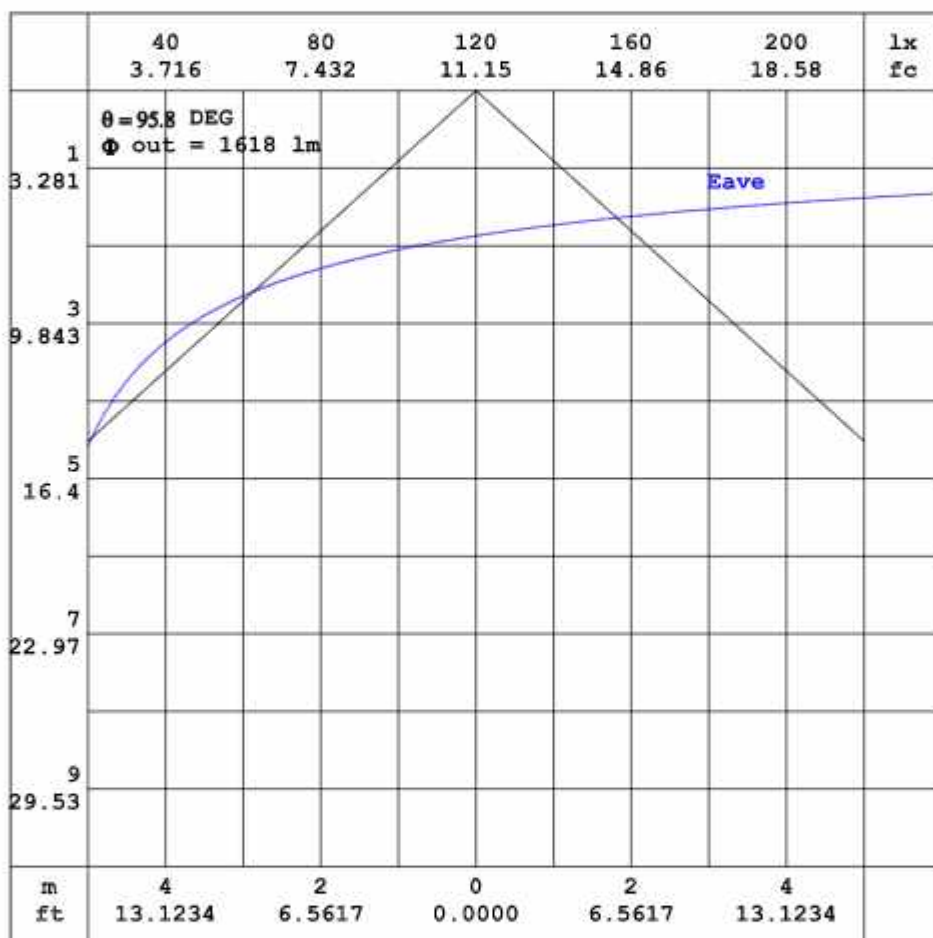


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



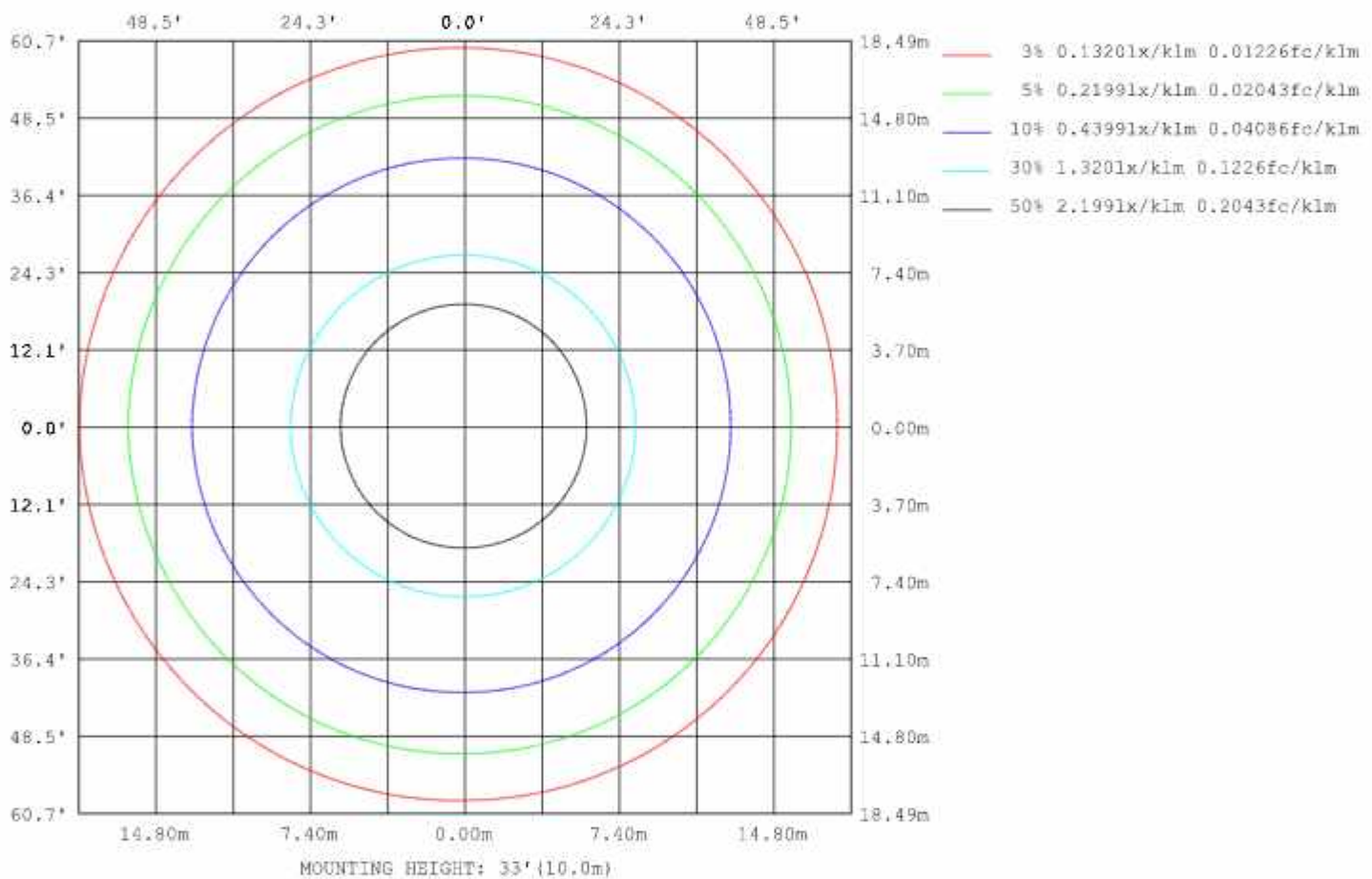
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

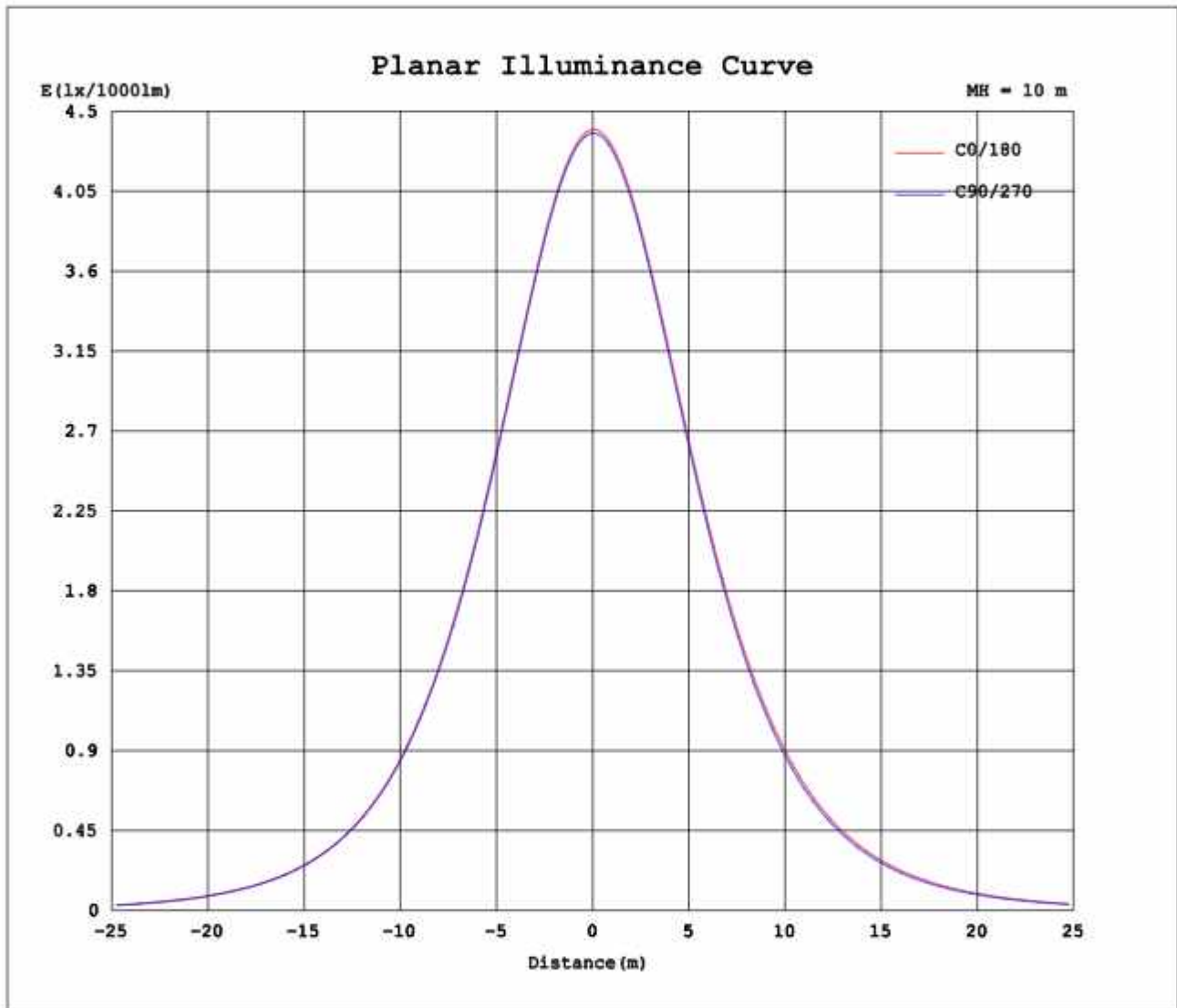
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	440	438	440	438															
5	436	434	438	436															
10	427	425	431	428															
15	412	410	418	415															
20	393	390	400	397															
25	369	366	378	374															
30	342	338	352	347															
35	312	308	322	316															
40	278	275	291	284															
45	241	238	255	247															
50	201	199	216	208															
55	160	159	177	168															
60	118	119	135	127															
65	77.9	79.7	94.4	87.5															
70	42.4	45.4	55.9	51.2															
75	18.4	20.9	25.8	22.8															
80	10.4	11.0	10.4	9.50															
85	5.12	5.58	5.22	4.16															
90	3.87	3.83	1.46	1.34															
95	3.86	3.83	1.52	1.49															
100	3.86	3.83	1.71	1.68															
105	3.86	3.83	1.92	1.89															
110	3.87	3.86	2.14	2.11															
115	3.92	3.90	2.38	2.34															
120	3.98	3.95	2.62	2.58															
125	4.05	4.02	2.86	2.80															
130	4.14	4.09	3.09	3.04															
135	4.23	4.18	3.32	3.26															
140	4.35	4.30	3.54	3.49															
145	4.47	4.42	3.78	3.72															
150	4.61	4.58	4.02	3.96															
155	4.77	4.74	4.26	4.22															
160	4.91	4.91	4.51	4.48															
165	5.04	5.05	4.75	4.71															
170	5.15	5.17	4.95	4.92															
175	5.22	5.24	5.13	5.10															
180	5.22	5.23	5.23	5.21															

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

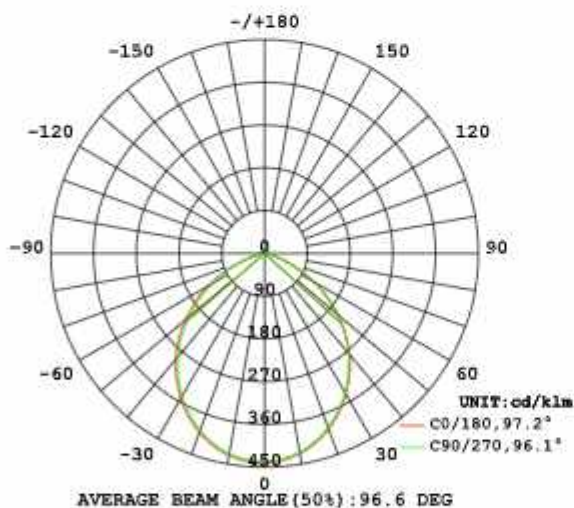
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

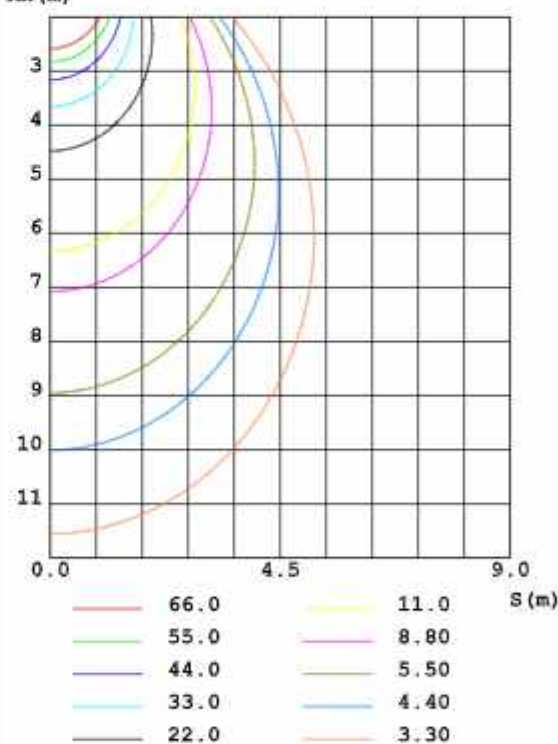
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 114.82 lm/W
MODEL	8LMCT30LR05	I _{max} (cd/klm)	440.9	S/MH (C0/180)	1.16	
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.16	
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	1.3, 47.7	
NOMINAL FLUX (lm)	2652.35	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1	
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	121.7	η down (%)	97.9	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



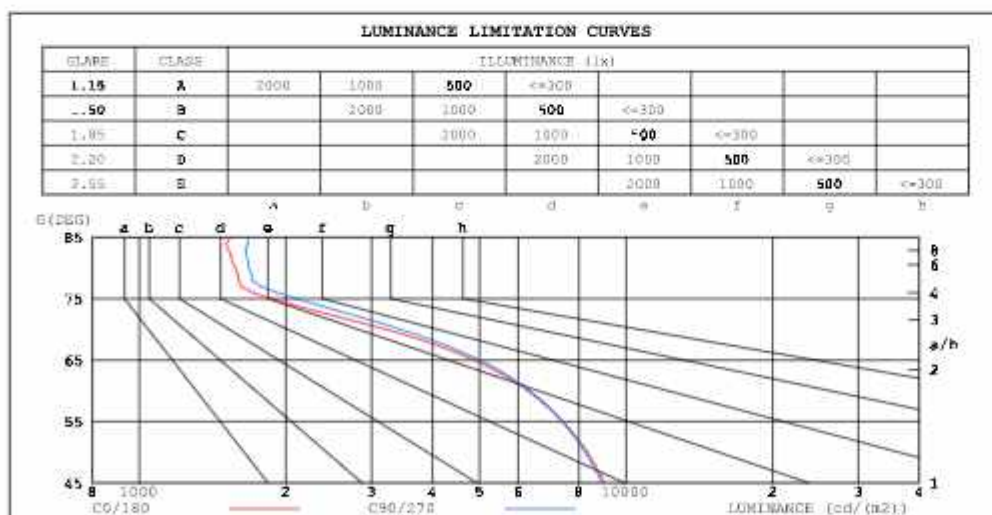
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	Φ lum, lamp
10	427.6	424.6	431.7	428.2				0- 10	41.40	41.40	4.14, 4.14
20	393.5	390.1	401.2	396.5				10- 20	116.7	158.1	15.8, 15.8
30	342.0	338.0	352.6	346.6				20- 30	171.2	329.2	32.9, 32.9
40	278.4	274.7	291.4	283.5				30- 40	196.6	525.8	52.6, 52.6
50	201.5	199.5	217.2	208.2				40- 50	188.9	714.7	71.5, 71.5
60	118.5	119.4	136.1	127.4				50- 60	148.5	863.2	86.3, 86.3
70	41.51	44.43	55.49	50.35				60- 70	84.25	947.4	94.7, 94.7
80	10.32	10.97	10.31	9.426				70- 80	25.48	972.9	97.3, 97.3
90	3.802	3.768	1.369	1.253				80- 90	5.952	978.9	97.9, 97.9
100	3.790	3.765	1.619	1.602				90-100	2.840	981.7	98.2, 98.2
110	3.808	3.793	2.056	2.034				100-110	2.965	984.7	98.5, 98.5
120	3.908	3.886	2.536	2.501				110-120	3.038	987.7	98.8, 98.8
130	4.067	4.033	3.006	2.962				120-130	3.014	990.7	99.1, 99.1
140	4.280	4.235	3.468	3.421				130-140	2.847	993.6	99.4, 99.4
150	4.550	4.515	3.946	3.898				140-150	2.530	996.1	99.6, 99.6
160	4.860	4.851	4.441	4.409				150-160	2.047	998.2	99.8, 99.8
170	5.091	5.114	4.891	4.860				160-170	1.362	999.5	100, 100
180	5.161	5.179	5.169	5.153				170-180	0.4840	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm								UNIT: lm/klm		



LUMINANCE cd/(m²)		
G (DEG)	C0/180	C90/270
85	1543	1680
80	1576	1675
75	1862	2099
70	3219	3446
65	4870	5004
60	6284	6331
55	7420	7385
50	8317	8230
45	9033	8929

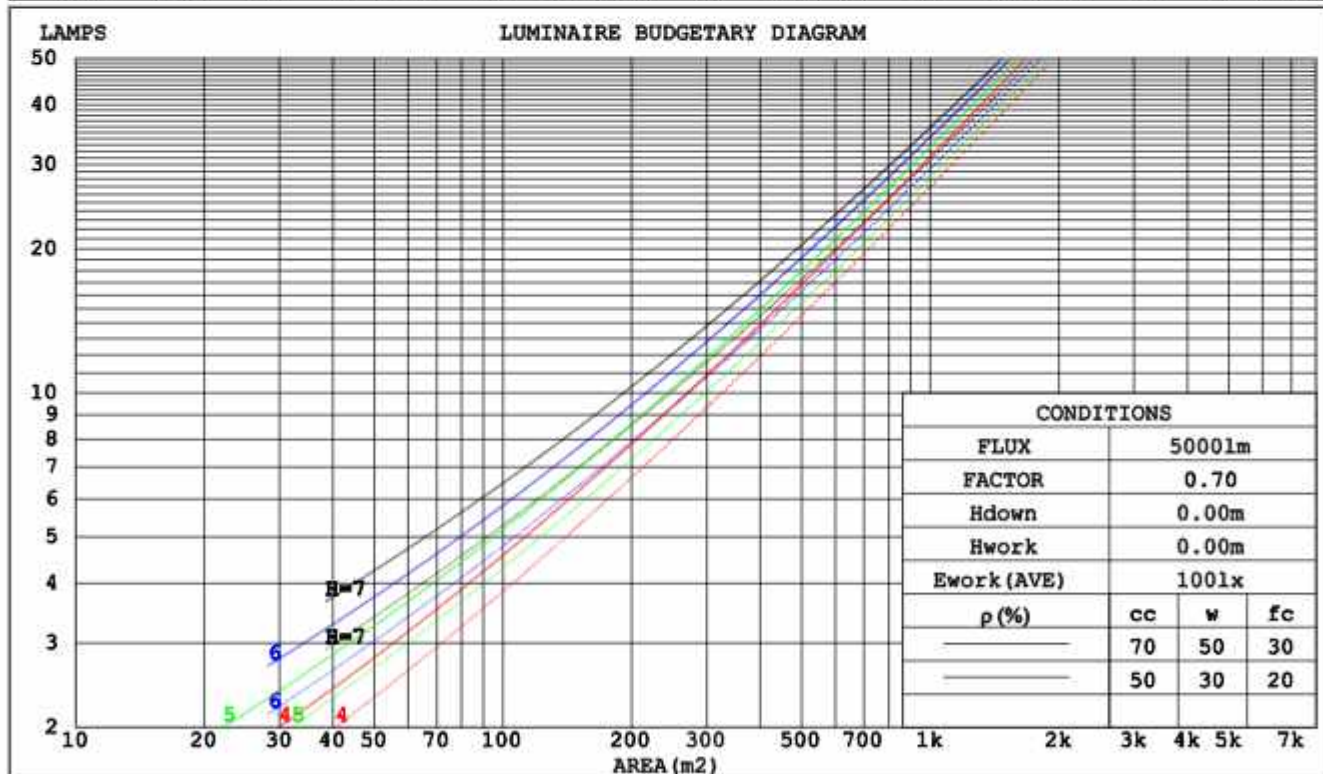
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.148	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.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	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.131	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.117	.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: 8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	15.9	17.3	16.2	17.5	17.7	15.9	17.3	16.2	17.5	17.7	
	3H	16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.7	17.9	18.2
	4H	16.4	17.6	16.7	17.9	18.2	16.5	17.6	16.8	17.9	18.2
	6H	16.4	17.5	16.7	17.8	18.1	16.4	17.5	16.8	17.8	18.2
	8H	16.3	17.4	16.7	17.7	18.1	16.4	17.5	16.8	17.8	18.1
12H	16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.7	18.1	
4H	2H	16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
	3H	16.7	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.1	18.5
	4H	16.8	17.7	17.2	18.1	18.4	16.9	17.8	17.3	18.1	18.5
	6H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
	8H	16.8	17.6	17.2	18.0	18.4	16.9	17.6	17.3	18.0	18.5
12H	16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.3	18.0	18.4	
8H	4H	16.8	17.5	17.2	17.9	18.3	16.8	17.6	17.3	18.0	18.4
	6H	16.8	17.4	17.3	17.9	18.3	16.9	17.5	17.4	17.9	18.4
	8H	16.8	17.4	17.3	17.8	18.3	16.9	17.5	17.4	17.9	18.4
	12H	16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.4
12H	4H	16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.2	17.9	18.3
	6H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
	8H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5					
2.0H	+ 0.9 / - 1.0					+ 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

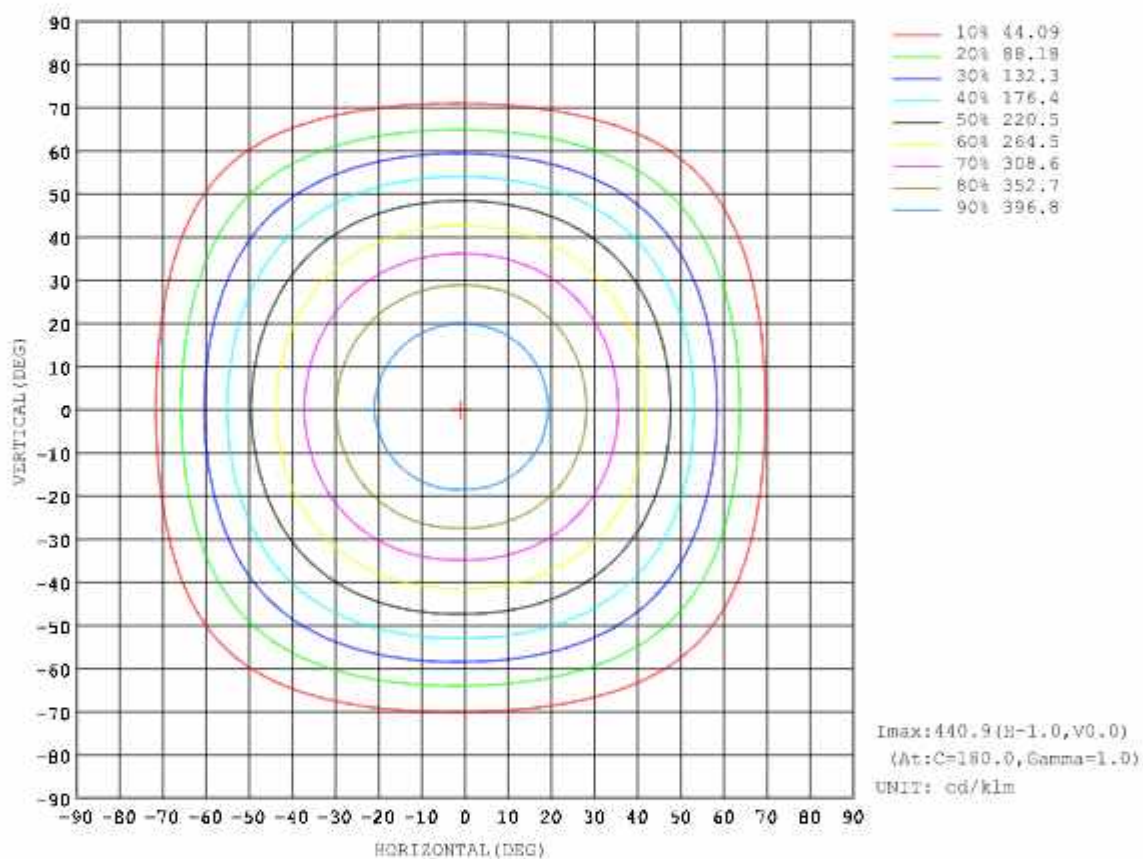
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	87	78
3.00	105	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					SHRNM = 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

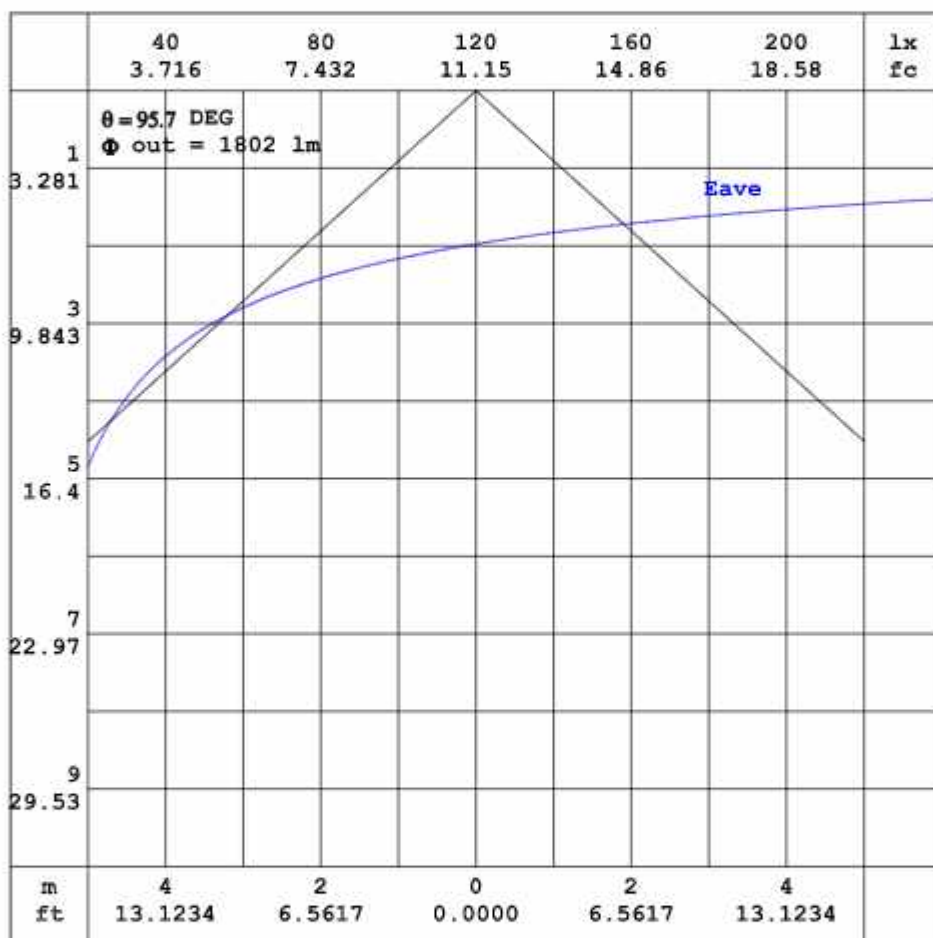


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



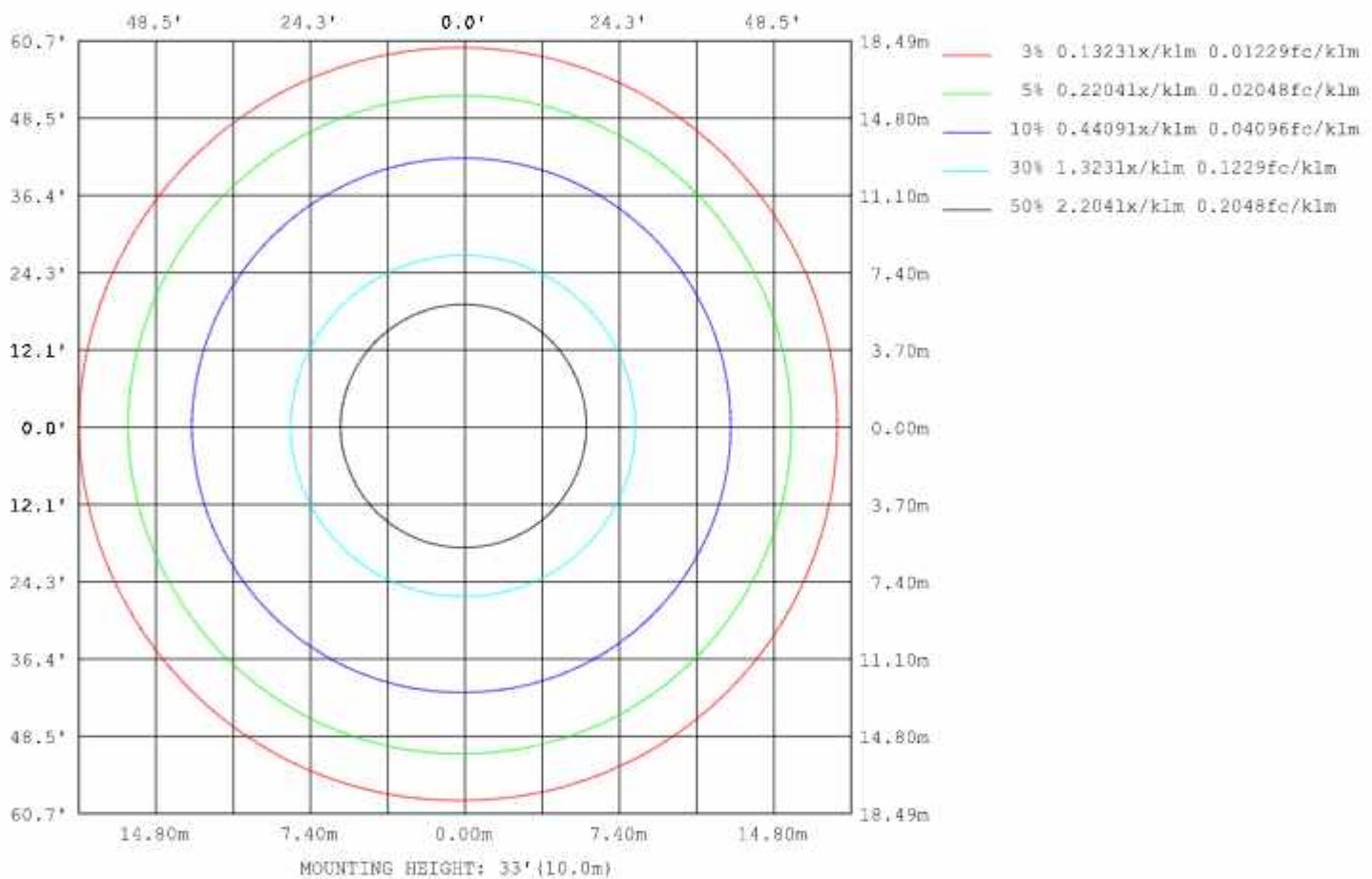
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

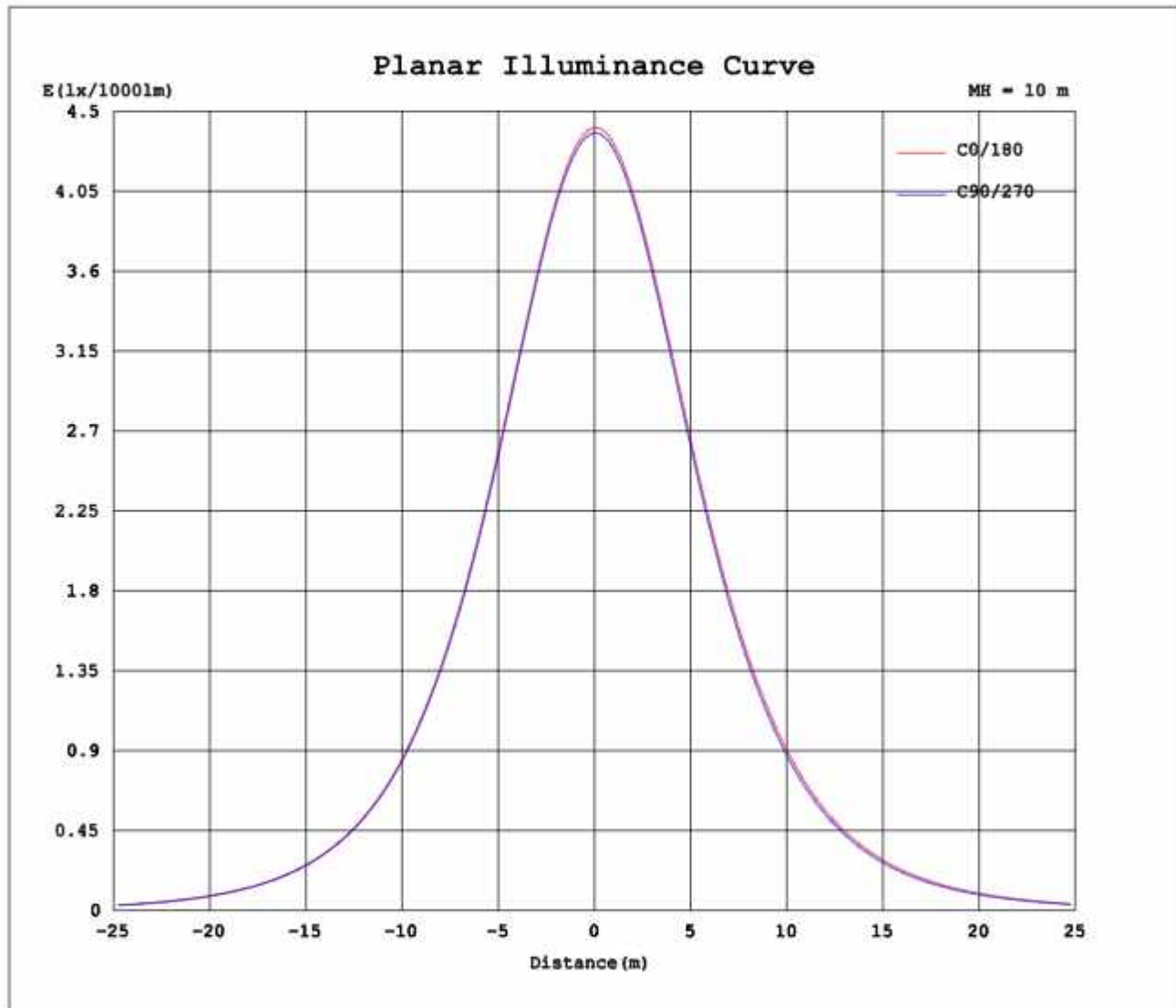
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8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	441	438	441	438															
5	437	434	439	436															
10	428	425	432	428															
15	413	410	419	415															
20	393	390	401	397															
25	370	366	379	373															
30	342	338	353	347															
35	312	307	323	316															
40	278	275	291	283															
45	241	238	256	247															
50	202	199	217	208															
55	160	160	178	168															
60	118	119	136	127															
65	77.6	79.7	94.8	87.3															
70	41.5	44.4	55.5	50.4															
75	18.2	20.3	25.3	22.4															
80	10.3	11.0	10.3	9.43															
85	5.07	5.52	5.17	4.12															
90	3.80	3.77	1.37	1.25															
95	3.79	3.76	1.43	1.42															
100	3.79	3.76	1.62	1.60															
105	3.79	3.77	1.83	1.81															
110	3.81	3.79	2.06	2.03															
115	3.85	3.83	2.30	2.27															
120	3.91	3.89	2.54	2.50															
125	3.98	3.95	2.78	2.73															
130	4.07	4.03	3.01	2.96															
135	4.17	4.12	3.24	3.19															
140	4.28	4.24	3.47	3.42															
145	4.40	4.36	3.70	3.66															
150	4.55	4.52	3.95	3.90															
155	4.71	4.68	4.19	4.16															
160	4.86	4.85	4.44	4.41															
165	4.99	5.00	4.68	4.65															
170	5.09	5.11	4.89	4.86															
175	5.17	5.19	5.06	5.04															
180	5.16	5.18	5.17	5.15															

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

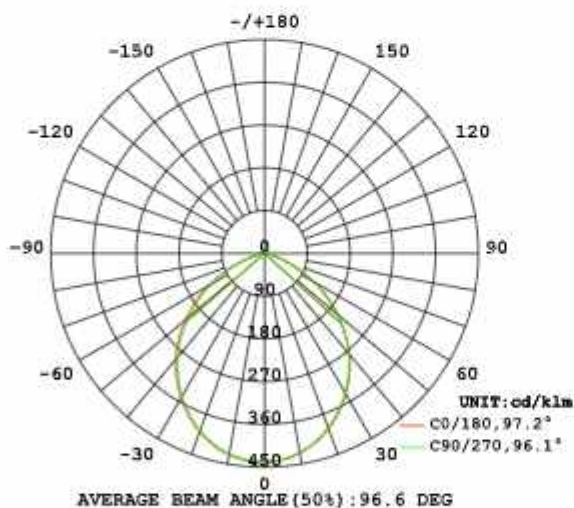
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

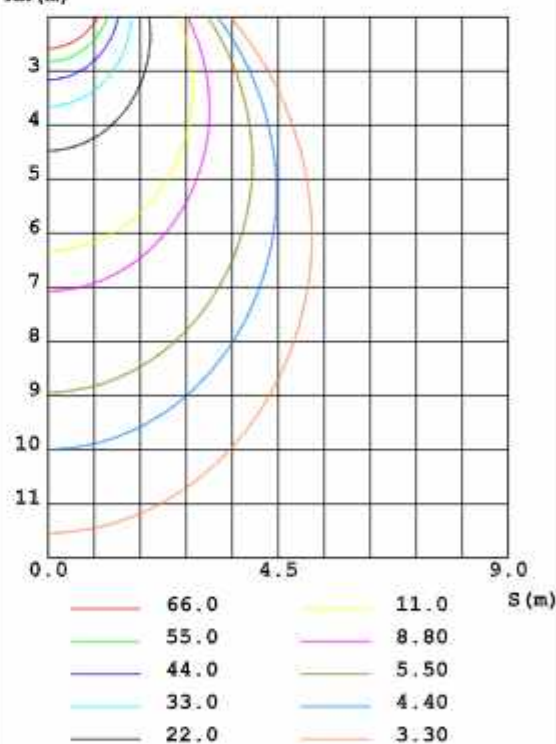
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 125.74 lm/W
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.9	S/MH (C0/180)	1.16	
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.16	
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)	1.3, 47.8	
NOMINAL FLUX (lm)	2829.2	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1	
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	121.7	η down (%)	97.9	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



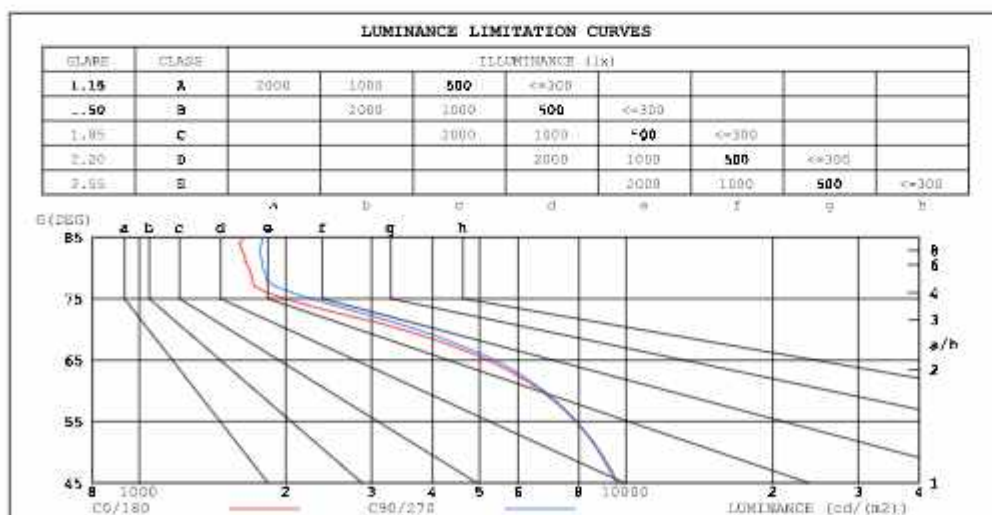
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	Φ lum, lamp
10	426.5	425.6	430.5	429.1				0- 10	41.39	41.39	4.14, 4.14
20	392.7	391.0	400.1	397.5				10- 20	116.7	158.0	15.8, 15.8
30	341.5	338.8	351.7	347.4				20- 30	171.1	329.2	32.9, 32.9
40	277.9	275.3	290.4	284.3				30- 40	196.6	525.8	52.6, 52.6
50	201.1	199.9	216.4	208.5				40- 50	188.9	714.6	71.5, 71.5
60	118.3	119.5	135.6	127.6				50- 60	148.4	863.0	86.3, 86.3
70	41.65	44.75	55.42	50.68				60- 70	84.33	947.3	94.7, 94.7
80	10.30	10.98	10.29	9.446				70- 80	25.57	972.9	97.3, 97.3
90	3.797	3.771	1.376	1.259				80- 90	5.950	978.9	97.9, 97.9
100	3.788	3.768	1.624	1.609				90-100	2.844	981.7	98.2, 98.2
110	3.804	3.797	2.062	2.040				100-110	2.968	984.7	98.5, 98.5
120	3.906	3.889	2.538	2.511				110-120	3.042	987.7	98.8, 98.8
130	4.065	4.032	3.006	2.972				120-130	3.016	990.7	99.1, 99.1
140	4.277	4.238	3.468	3.433				130-140	2.848	993.6	99.4, 99.4
150	4.551	4.518	3.940	3.912				140-150	2.531	996.1	99.6, 99.6
160	4.853	4.850	4.434	4.425				150-160	2.047	998.2	99.8, 99.8
170	5.085	5.119	4.878	4.874				160-170	1.362	999.5	100, 100
180	5.158	5.178	5.162	5.170				170-180	0.4840	1000.0	100, 100
DEG	LUMINOUS INTENSITY: cd/klm								UNIT: lm/klm		



LUMINANCE cd/(m²)		
C (DEG)	C0/180	C90/270
85	1643	1793
80	1678	1789
75	1989	2254
70	3445	3702
65	5191	5376
60	6693	6763
55	7893	7891
50	8850	8800
45	9615	9546

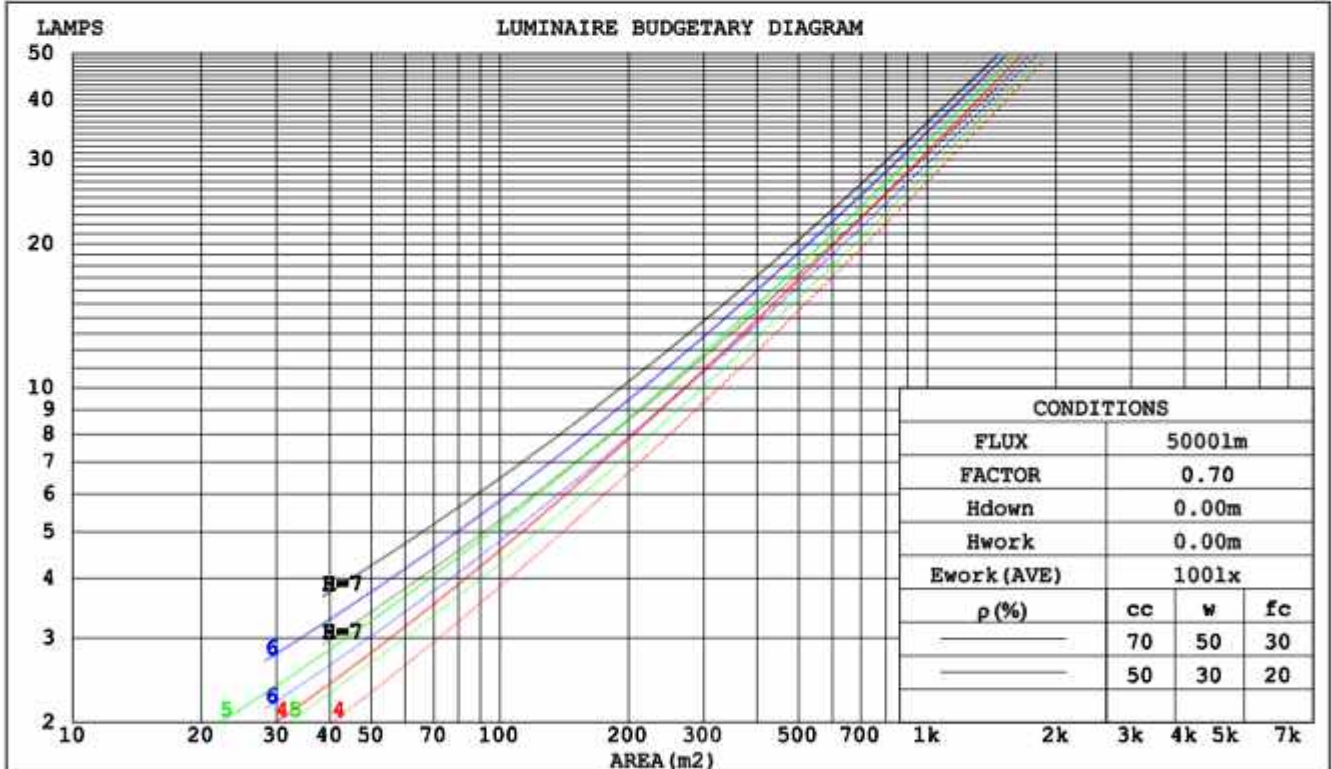
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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 Coeffcients (WEC)										
0.0																	
1.0	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.091	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.131	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.117	.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: 8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	15.9	17.2	16.2	17.5	17.7	15.9	17.3	16.2	17.5	17.7
	3H	16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.8	17.9	18.2
	4H	16.4	17.6	16.7	17.9	18.1	16.5	17.7	16.8	17.9	18.2
	6H	16.4	17.5	16.7	17.8	18.1	16.5	17.6	16.8	17.9	18.2
	8H	16.3	17.4	16.7	17.7	18.0	16.4	17.5	16.8	17.8	18.1
	12H	16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1
4H	2H	16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
	3H	16.7	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.2	18.5
	4H	16.8	17.7	17.2	18.1	18.5	16.9	17.8	17.3	18.2	18.5
	6H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
	8H	16.8	17.6	17.3	18.0	18.4	16.9	17.7	17.4	18.1	18.5
	12H	16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.4	18.0	18.5
8H	4H	16.8	17.5	17.2	17.9	18.3	16.8	17.6	17.3	18.0	18.4
	6H	16.8	17.4	17.3	17.9	18.3	16.9	17.5	17.4	18.0	18.4
	8H	16.8	17.4	17.3	17.8	18.3	16.9	17.5	17.4	17.9	18.4
	12H	16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.4
12H	4H	16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.3	17.9	18.4
	6H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
	8H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H		+ 0.3 / - 0.5					+ 0.2 / - 0.5				
2.0H		+ 0.9 / - 1.0					+ 0.8 / - 0.9				

UTILIZATION FACTORS TABLE

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

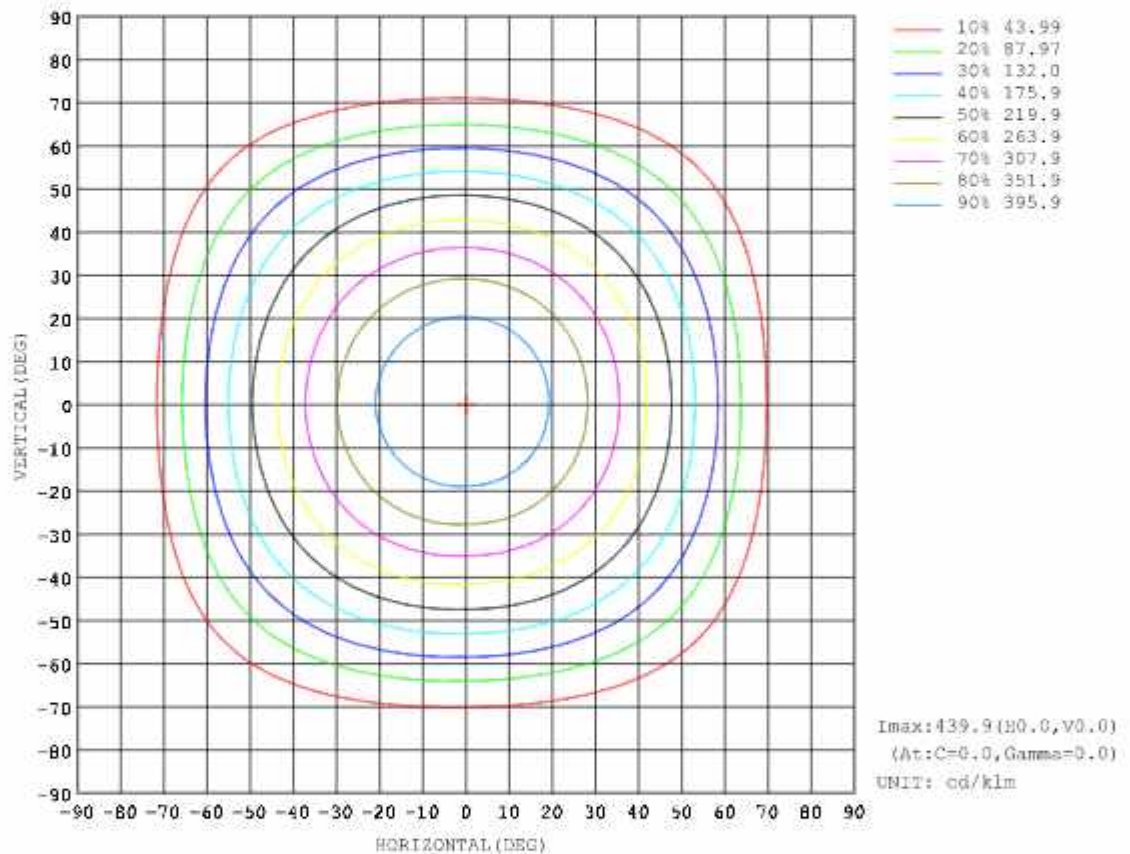
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	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	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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

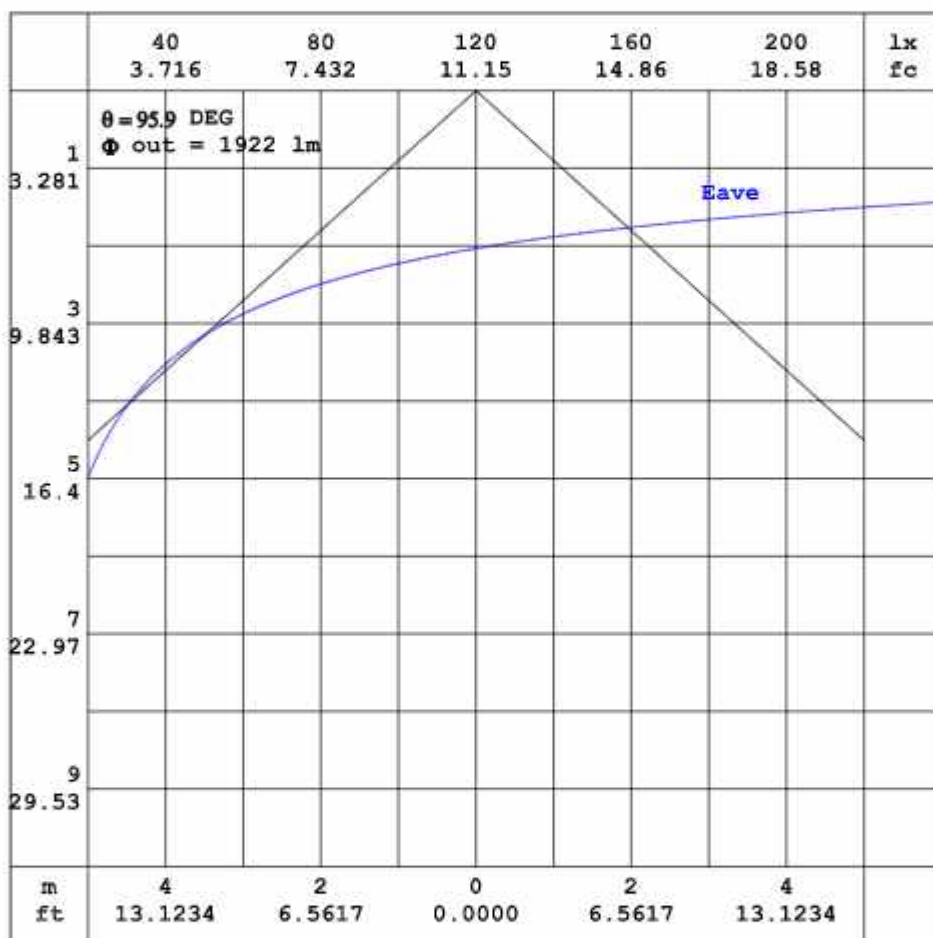


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



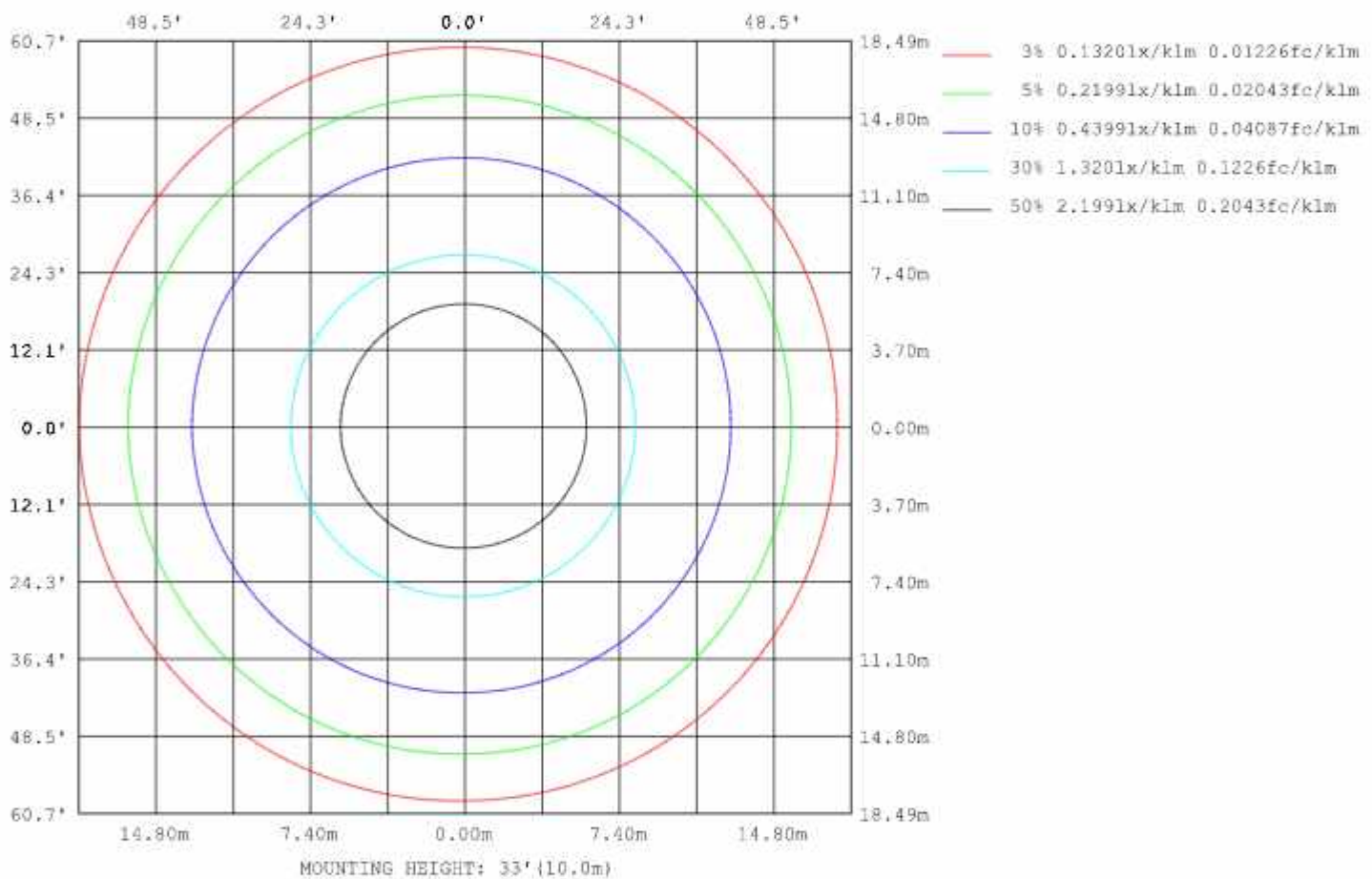
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

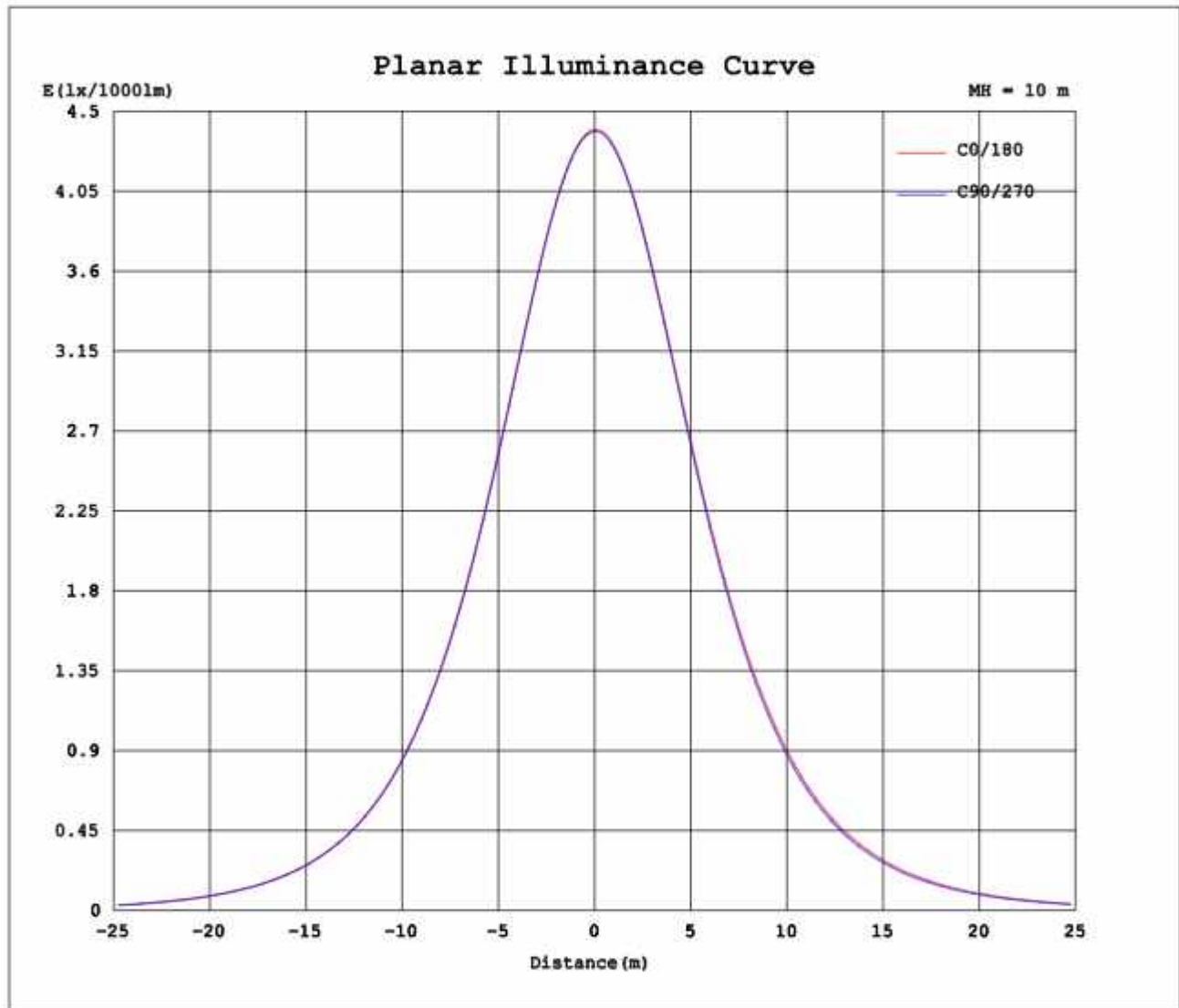
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	440	439	440	439															
5	436	435	438	437															
10	427	426	430	429															
15	412	411	418	416															
20	393	391	400	398															
25	369	367	378	374															
30	341	339	352	347															
35	311	308	322	317															
40	278	275	290	284															
45	240	239	255	248															
50	201	200	216	209															
55	160	160	177	169															
60	118	120	136	128															
65	77.5	80.3	94.4	87.5															
70	41.6	44.7	55.4	50.7															
75	18.2	20.6	25.3	22.5															
80	10.3	11.0	10.3	9.45															
85	5.06	5.52	5.15	4.12															
90	3.80	3.77	1.38	1.26															
95	3.79	3.77	1.43	1.42															
100	3.79	3.77	1.62	1.61															
105	3.79	3.77	1.83	1.82															
110	3.80	3.80	2.06	2.04															
115	3.85	3.84	2.30	2.28															
120	3.91	3.89	2.54	2.51															
125	3.98	3.96	2.77	2.74															
130	4.06	4.03	3.01	2.97															
135	4.16	4.12	3.24	3.20															
140	4.28	4.24	3.47	3.43															
145	4.41	4.36	3.70	3.67															
150	4.55	4.52	3.94	3.91															
155	4.70	4.69	4.18	4.16															
160	4.85	4.85	4.43	4.43															
165	4.98	5.00	4.67	4.66															
170	5.08	5.12	4.88	4.87															
175	5.16	5.19	5.05	5.05															
180	5.16	5.18	5.16	5.17															

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

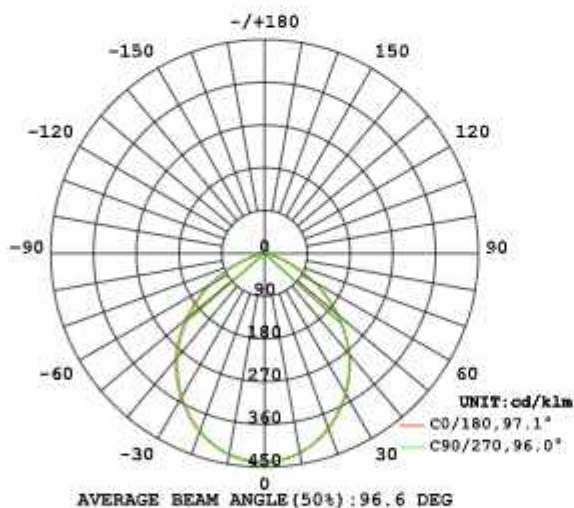
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

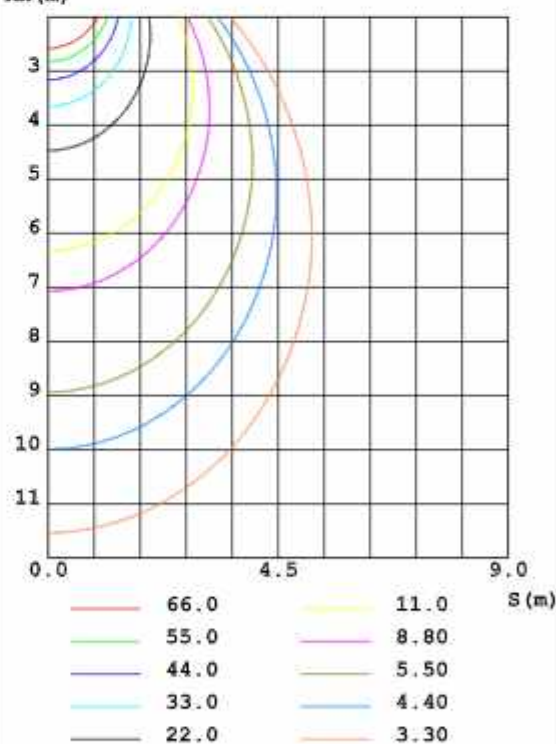
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 135.79 lm/W
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.7	S/MH (C0/180)	1.16	
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.16	
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)	1.3, 47.8	
NOMINAL FLUX (lm)	3001.01	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1	
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	121.7	η down (%)	97.9	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



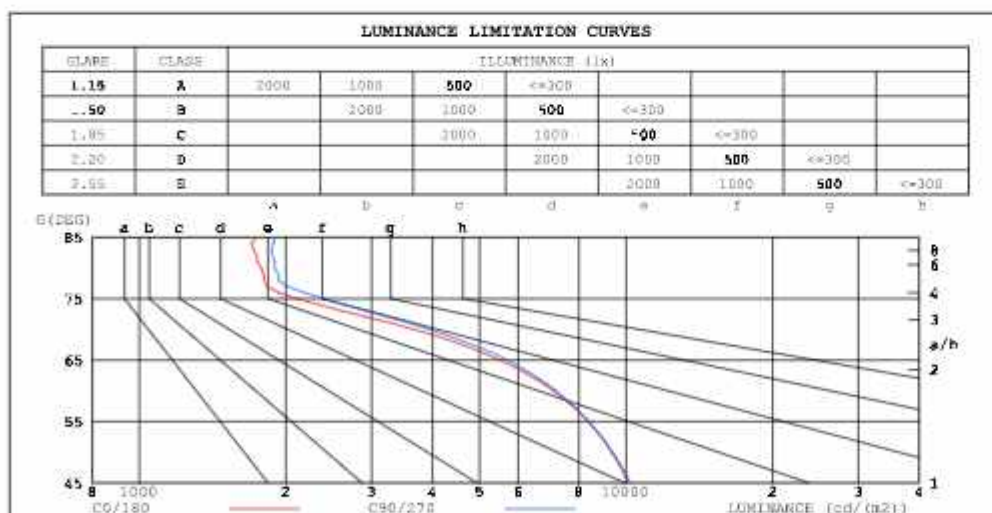
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.6	426.1	430.3	429.3					0- 10	41.40	41.40	4.14, 4.14
20	392.6	391.2	399.8	398.0					10- 20	116.7	158.1	15.8, 15.8
30	341.4	339.1	351.1	347.6					20- 30	171.2	329.3	32.9, 32.9
40	277.7	275.6	290.2	284.6					30- 40	196.6	525.9	52.6, 52.6
50	201.0	199.8	216.1	208.6					40- 50	188.9	714.7	71.5, 71.5
60	118.1	119.4	135.4	127.6					50- 60	148.2	863.0	86.3, 86.3
70	41.78	44.87	55.47	50.92					60- 70	84.33	947.3	94.7, 94.7
80	10.30	10.96	10.27	9.462					70- 80	25.64	972.9	97.3, 97.3
90	3.792	3.768	1.374	1.258					80- 90	5.942	978.9	97.9, 97.9
100	3.782	3.763	1.623	1.605					90-100	2.840	981.7	98.2, 98.2
110	3.800	3.792	2.058	2.040					100-110	2.964	984.7	98.5, 98.5
120	3.903	3.885	2.536	2.506					110-120	3.037	987.7	98.8, 98.8
130	4.057	4.029	3.002	2.971					120-130	3.012	990.7	99.1, 99.1
140	4.272	4.235	3.459	3.432					130-140	2.845	993.6	99.4, 99.4
150	4.540	4.513	3.930	3.908					140-150	2.528	996.1	99.6, 99.6
160	4.846	4.847	4.425	4.421					150-160	2.044	998.2	99.8, 99.8
170	5.076	5.112	4.870	4.871					160-170	1.360	999.5	100, 100
180	5.148	5.169	5.148	5.166					170-180	0.4833	1000.0	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/(m²)		
G(°)	C0/180	C90/270
85	1739	1898
80	1780	1895
75	2111	2392
70	3666	3937
65	5500	5699
60	7088	7169
55	8368	8399
50	9385	9329
45	10201	10127

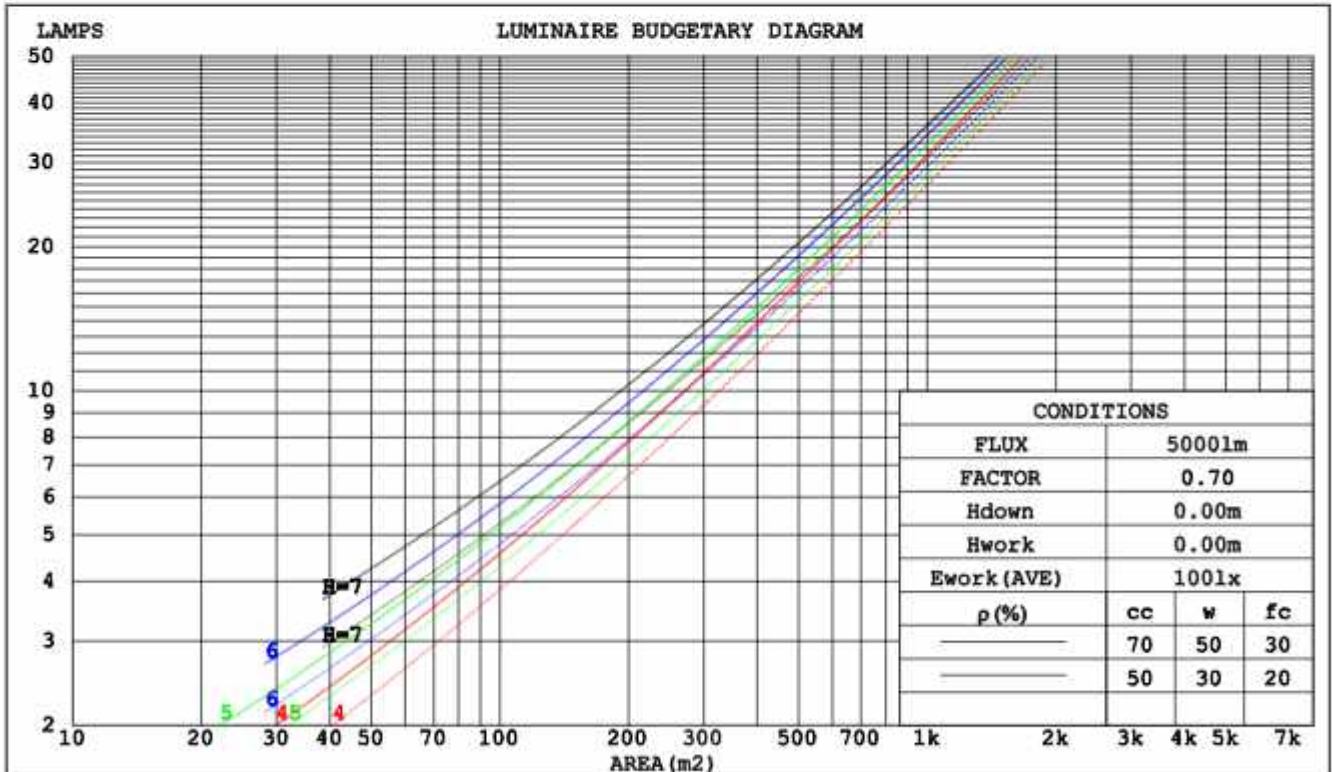
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.154	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.131	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.117	.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: 8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	15.9	17.2	16.2	17.5	17.7	15.9	17.3	16.2	17.5	17.7	
3H	16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.8	17.9	18.2	
4H	16.4	17.6	16.7	17.9	18.1	16.5	17.7	16.8	17.9	18.2	
6H	16.4	17.5	16.7	17.8	18.1	16.5	17.6	16.8	17.9	18.2	
8H	16.3	17.4	16.7	17.7	18.0	16.4	17.5	16.8	17.8	18.1	
12H	16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1	
4H 2H	16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9	
3H	16.7	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.2	18.5	
4H	16.8	17.7	17.2	18.1	18.5	16.9	17.8	17.3	18.2	18.5	
6H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5	
8H	16.8	17.6	17.3	18.0	18.4	16.9	17.7	17.4	18.1	18.5	
12H	16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.4	18.0	18.5	
8H 4H	16.8	17.5	17.2	17.9	18.3	16.8	17.6	17.3	18.0	18.4	
6H	16.8	17.4	17.3	17.9	18.3	16.9	17.5	17.4	18.0	18.4	
8H	16.8	17.4	17.3	17.8	18.3	16.9	17.5	17.4	17.9	18.4	
12H	16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.4	
12H 4H	16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.3	17.9	18.4	
6H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4	
8H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.4					
2.0H	+ 0.9 / - 1.0					+ 0.8 / - 0.9					

UTILIZATION FACTORS TABLE

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

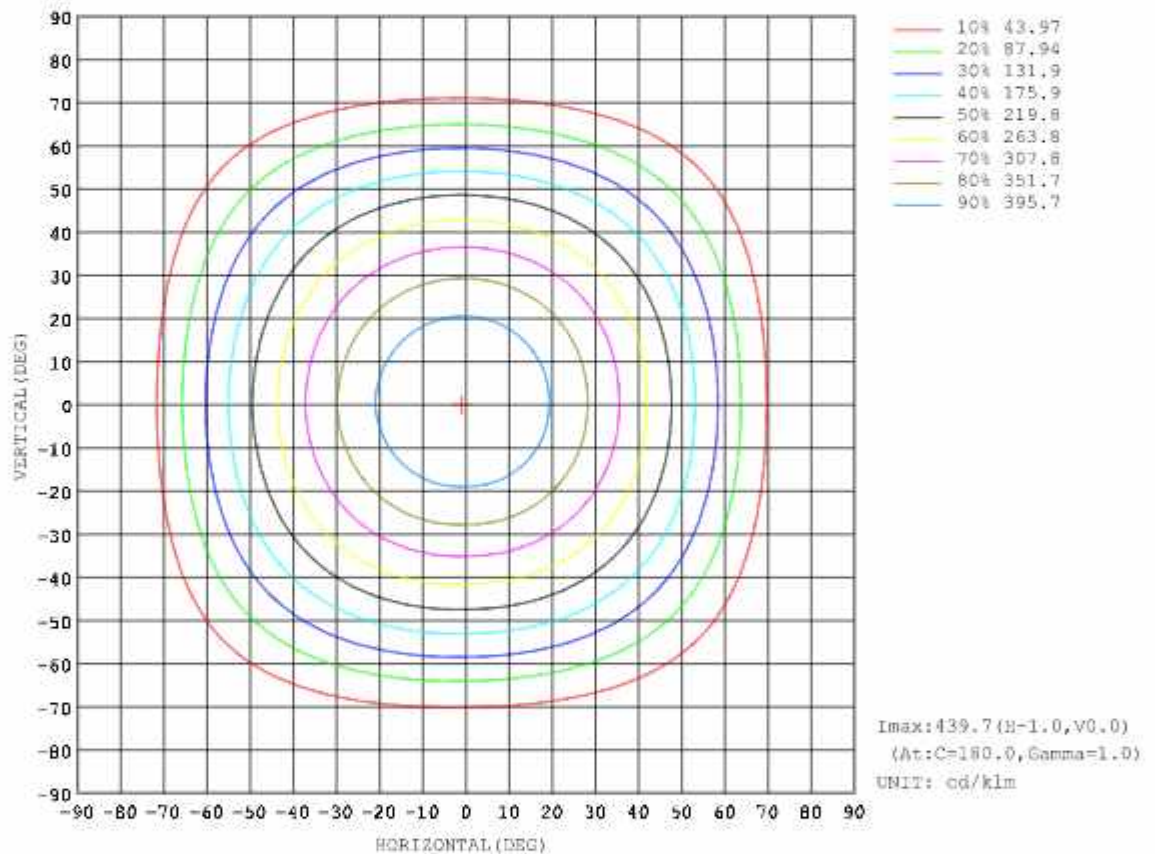
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	55	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	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	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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

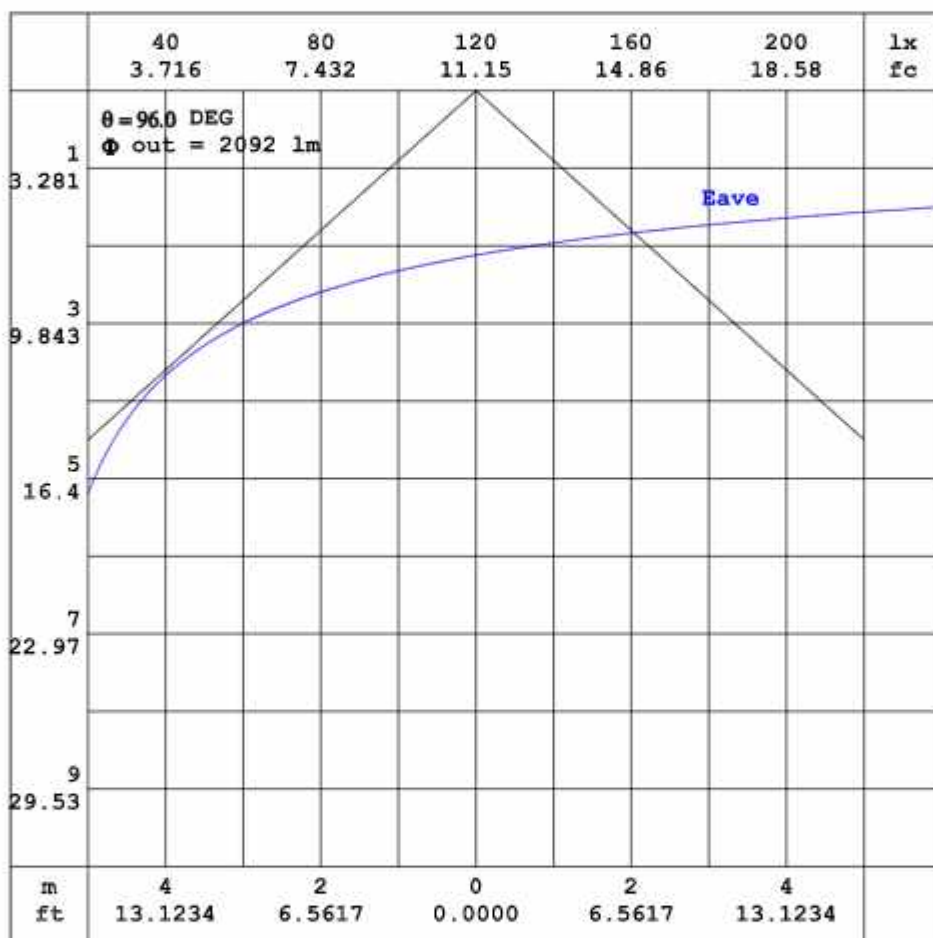


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



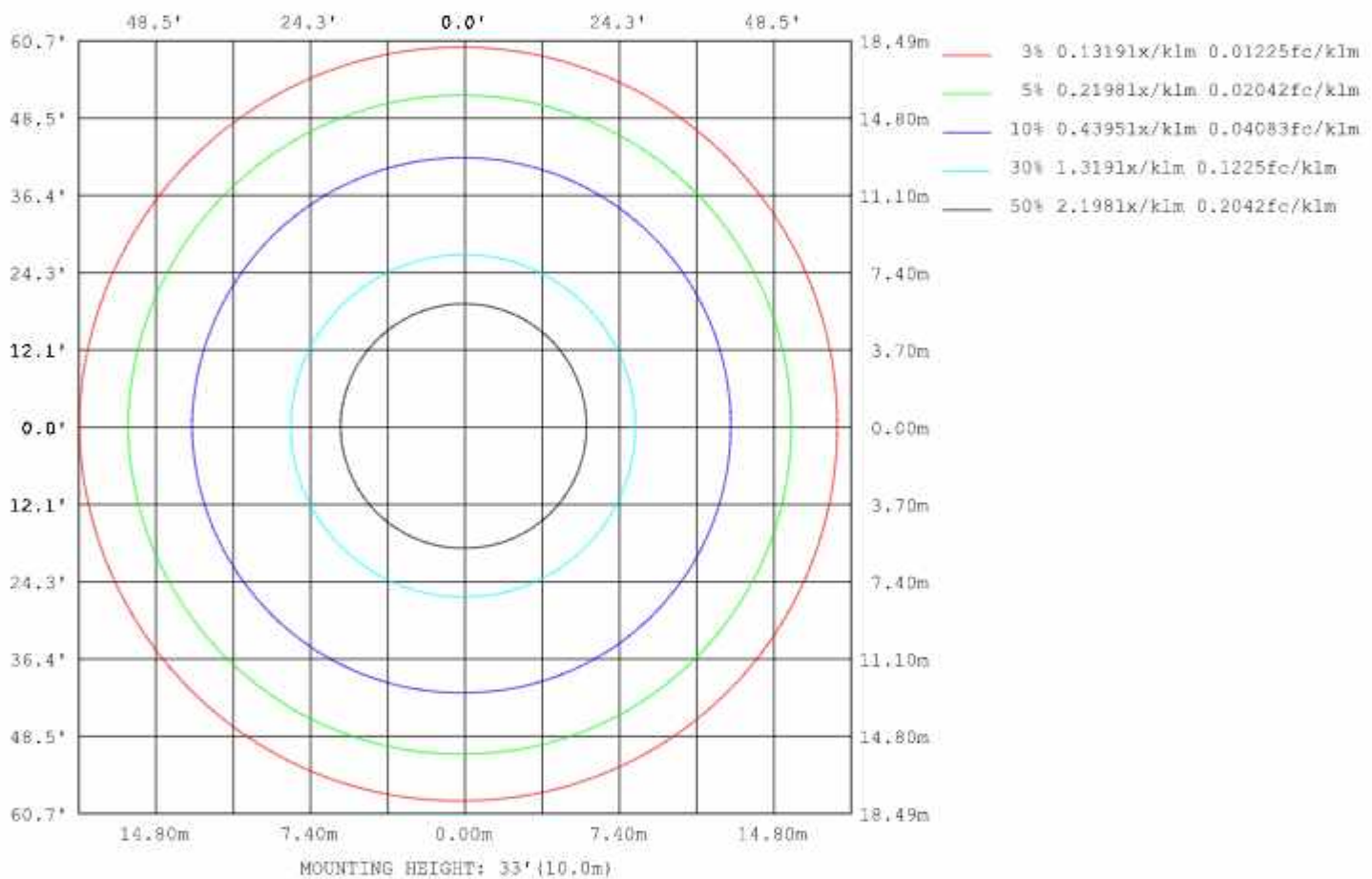
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

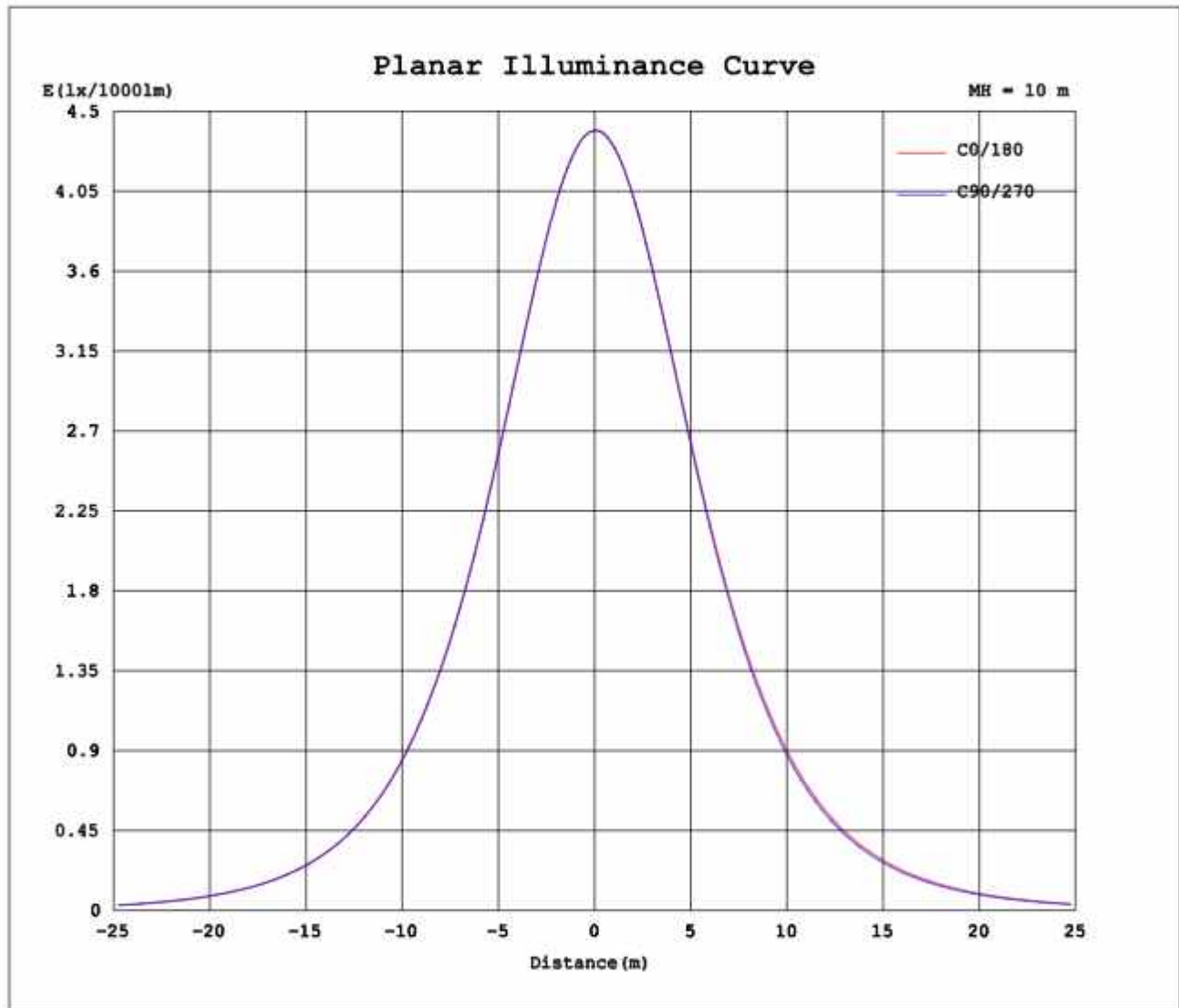
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	440	439	440	439															
5	436	436	438	437															
10	427	426	430	429															
15	412	411	418	416															
20	393	391	400	398															
25	369	367	378	375															
30	341	339	351	348															
35	311	308	322	317															
40	278	276	290	285															
45	240	239	255	248															
50	201	200	216	209															
55	160	160	176	169															
60	118	119	135	128															
65	77.5	80.3	94.2	87.7															
70	41.8	44.9	55.5	50.9															
75	18.2	20.6	25.3	22.6															
80	10.3	11.0	10.3	9.46															
85	5.05	5.51	5.14	4.12															
90	3.79	3.77	1.37	1.26															
95	3.78	3.76	1.43	1.42															
100	3.78	3.76	1.62	1.60															
105	3.78	3.77	1.83	1.82															
110	3.80	3.79	2.06	2.04															
115	3.84	3.83	2.30	2.27															
120	3.90	3.89	2.54	2.51															
125	3.98	3.95	2.77	2.74															
130	4.06	4.03	3.00	2.97															
135	4.16	4.12	3.23	3.20															
140	4.27	4.24	3.46	3.43															
145	4.40	4.36	3.69	3.67															
150	4.54	4.51	3.93	3.91															
155	4.69	4.68	4.18	4.17															
160	4.85	4.85	4.42	4.42															
165	4.97	5.00	4.66	4.66															
170	5.08	5.11	4.87	4.87															
175	5.15	5.18	5.04	5.04															
180	5.15	5.17	5.15	5.17															

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

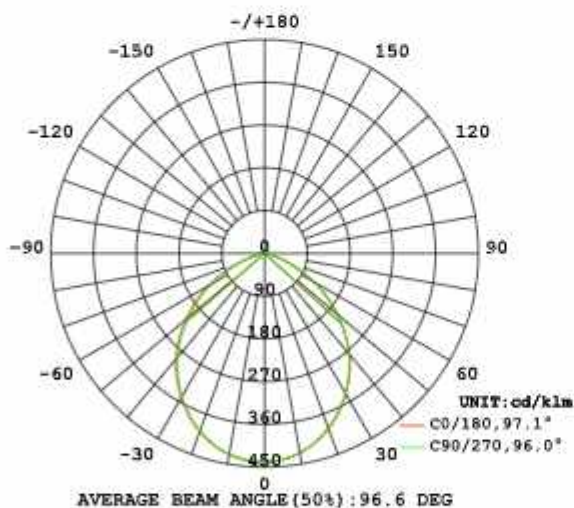
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

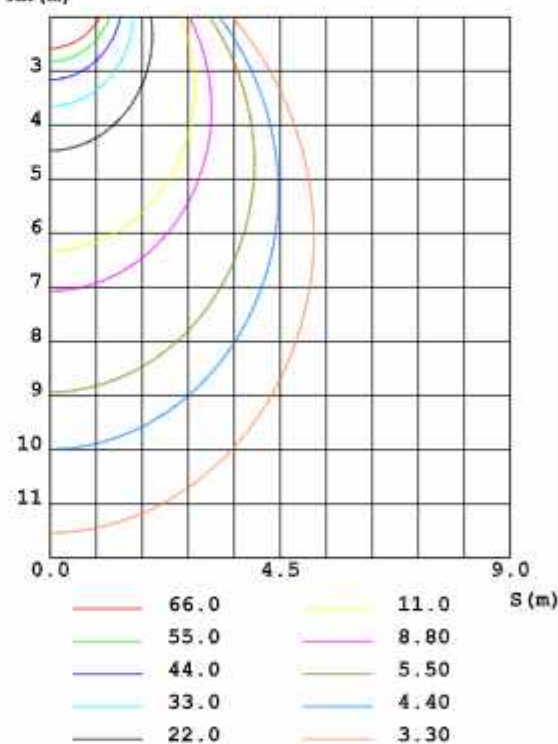
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.59 lm/W			
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.5	S/MH (C0/180)	1.17
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)	1.3, 47.8
NOMINAL FLUX (lm)	3106.93	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.7	η down (%)	97.9	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



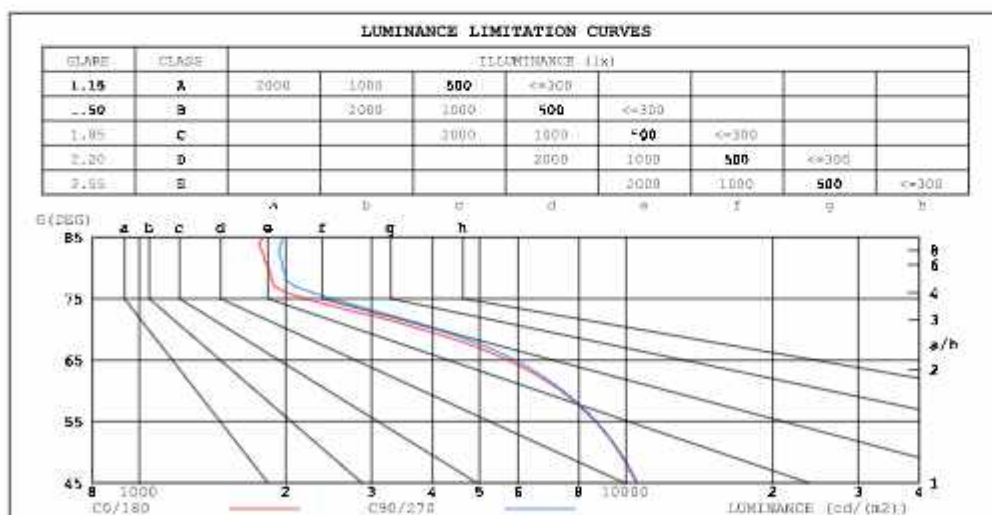
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	Φ lum, lamp
10	426.6	426.1	430.1	429.5				0- 10	41.40	41.40	4.14, 4.14
20	392.5	391.5	399.6	397.9				10- 20	116.7	158.1	15.8, 15.8
30	341.5	339.2	351.2	347.6				20- 30	171.2	329.3	32.9, 32.9
40	277.9	275.5	290.0	284.7				30- 40	196.6	525.9	52.6, 52.6
50	200.9	199.8	215.9	208.7				40- 50	188.8	714.7	71.5, 71.5
60	118.1	119.4	134.9	127.5				50- 60	148.1	862.9	86.3, 86.3
70	41.97	45.04	55.39	51.00				60- 70	84.36	947.2	94.7, 94.7
80	10.30	10.97	10.26	9.443				70- 80	25.71	972.9	97.3, 97.3
90	3.789	3.765	1.375	1.261				80- 90	5.938	978.9	97.9, 97.9
100	3.778	3.757	1.625	1.610				90-100	2.839	981.7	98.2, 98.2
110	3.798	3.788	2.065	2.042				100-110	2.964	984.7	98.5, 98.5
120	3.900	3.882	2.539	2.513				110-120	3.037	987.7	98.8, 98.8
130	4.058	4.026	3.001	2.968				120-130	3.012	990.7	99.1, 99.1
140	4.270	4.229	3.461	3.430				130-140	2.845	993.6	99.4, 99.4
150	4.538	4.509	3.944	3.908				140-150	2.528	996.1	99.6, 99.6
160	4.843	4.843	4.430	4.421				150-160	2.045	998.2	99.8, 99.8
170	5.076	5.111	4.868	4.870				160-170	1.360	999.5	100, 100
180	5.147	5.169	5.149	5.165				170-180	0.4831	1000.0	100, 100
DEG	LUMINOUS INTENSITY: cd/klm								UNIT: lm/klm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1803	1963
80	1843	1964
75	2190	2485
70	3813	4092
65	5713	5907
60	7341	7420
55	8660	8693
50	9711	9658
45	10558	10487

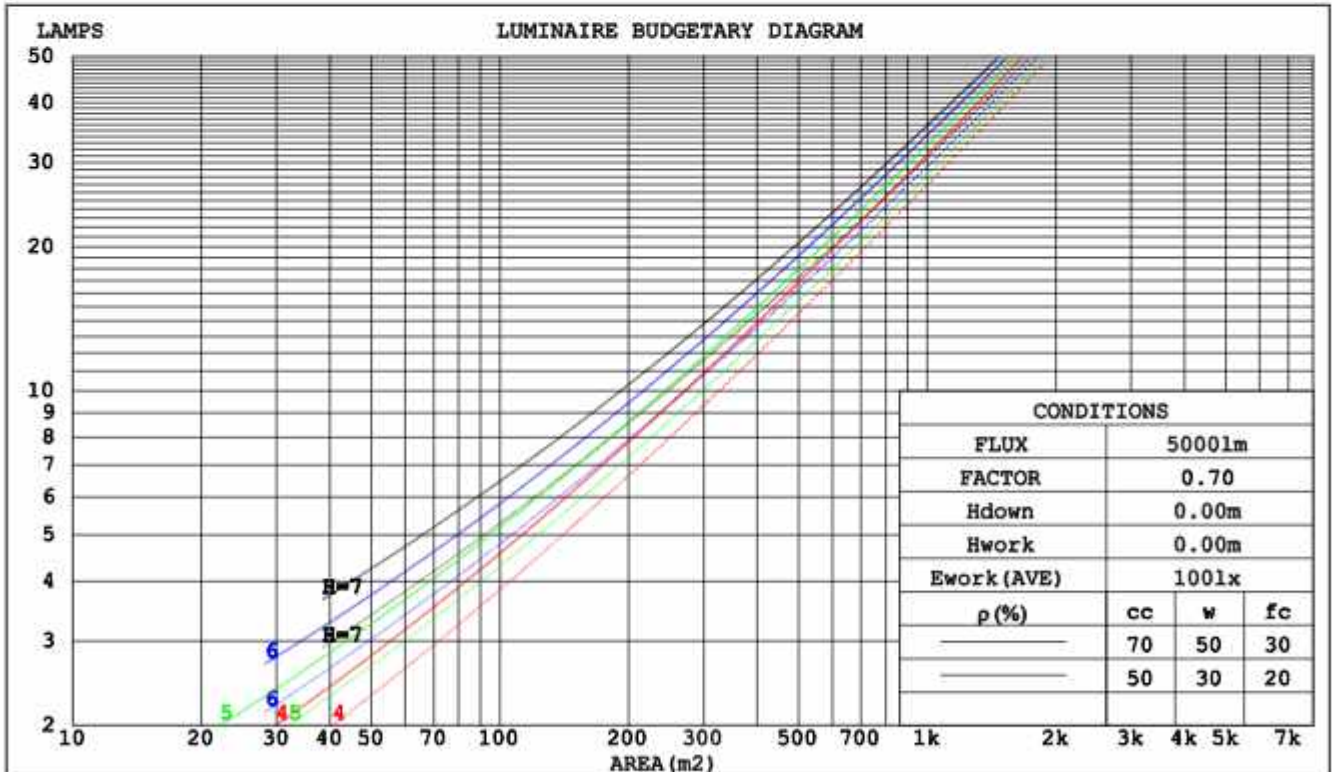
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.154	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.131	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.117	.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: 8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						
x = 2H y = 2H						Viewed endwise						
3H						15.9	17.2	16.2	17.5	17.7	15.9	17.3
4H						16.4	17.6	16.7	17.9	18.2	16.4	17.7
6H						16.4	17.6	16.7	17.9	18.2	16.5	17.7
8H						16.4	17.5	16.7	17.8	18.1	16.5	17.6
12H						16.4	17.4	16.7	17.7	18.1	16.4	17.5
4H 2H						16.3	17.4	16.7	17.7	18.1	16.4	17.4
3H						16.3	17.3	16.7	17.7	18.0	16.4	17.4
4H						16.2	17.4	16.5	17.6	17.9	16.2	17.4
6H						16.8	17.8	17.1	18.1	18.4	16.8	17.8
8H						16.8	17.7	17.2	18.1	18.5	16.8	17.8
12H						16.8	17.6	17.2	18.0	18.4	16.9	17.8
4H 4H						16.8	17.6	17.3	18.0	18.4	16.9	17.7
6H						16.8	17.6	17.3	18.0	18.4	16.9	17.7
8H						16.8	17.6	17.3	18.0	18.4	16.9	17.7
12H						16.8	17.5	17.3	17.9	18.4	16.9	17.6
4H 8H						16.8	17.5	17.2	17.9	18.3	16.8	17.6
6H						16.8	17.4	17.3	17.9	18.4	16.9	17.5
8H						16.9	17.4	17.3	17.9	18.4	17.0	17.5
12H						16.9	17.3	17.4	17.8	18.3	17.0	17.4
4H 12H						16.7	17.4	17.2	17.8	18.3	16.8	17.5
6H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
8H						16.8	17.3	17.4	17.8	18.3	16.9	17.4
Variations with the observer position at spacings:												
S = 1.0H						+ 0.5 / - 0.6				+ 0.5 / - 0.6		
1.5H						+ 0.2 / - 0.5				+ 0.2 / - 0.4		
2.0H						+ 0.9 / - 1.0				+ 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

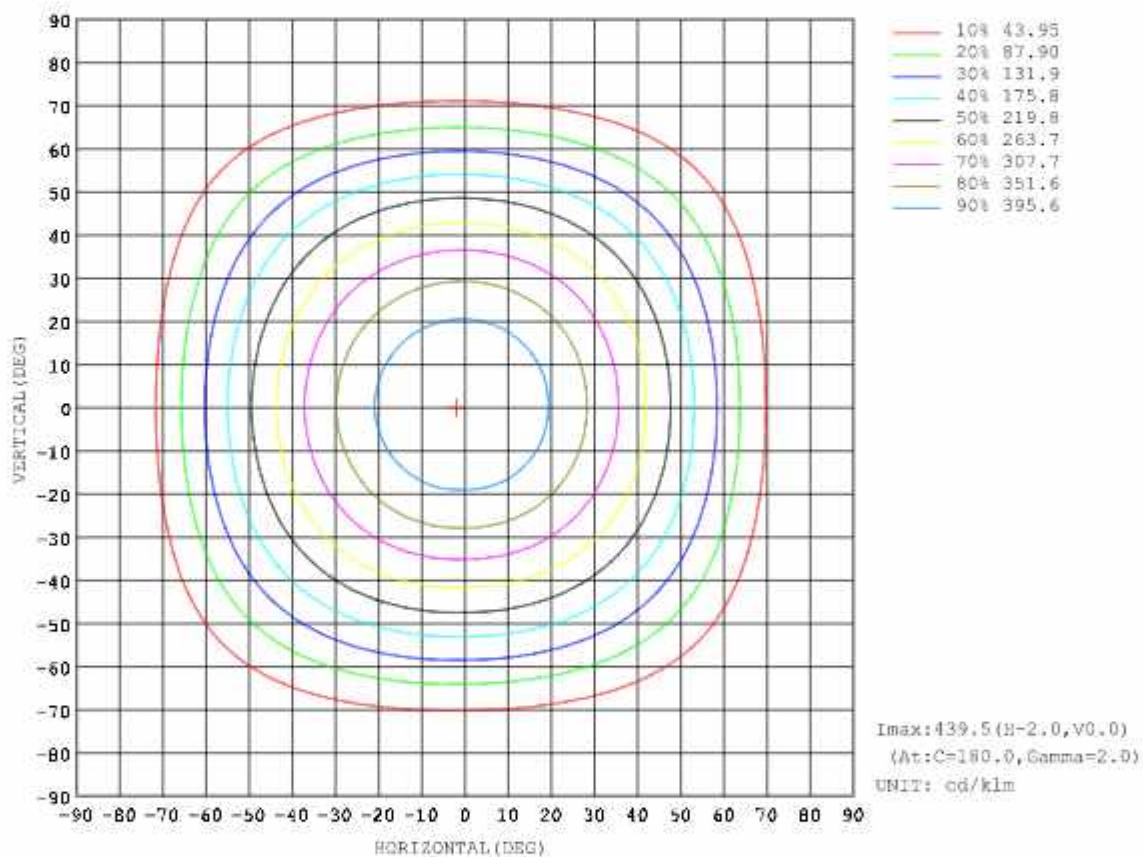
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	55	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	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	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										
SHRNM = 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

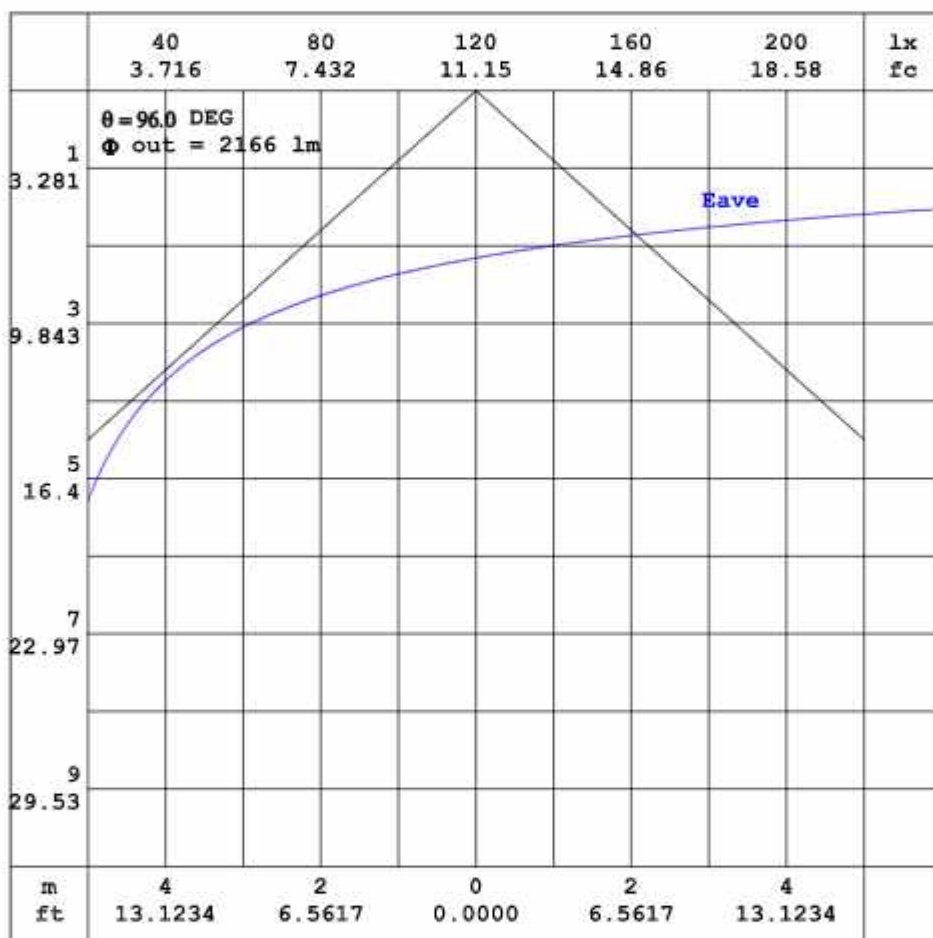


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



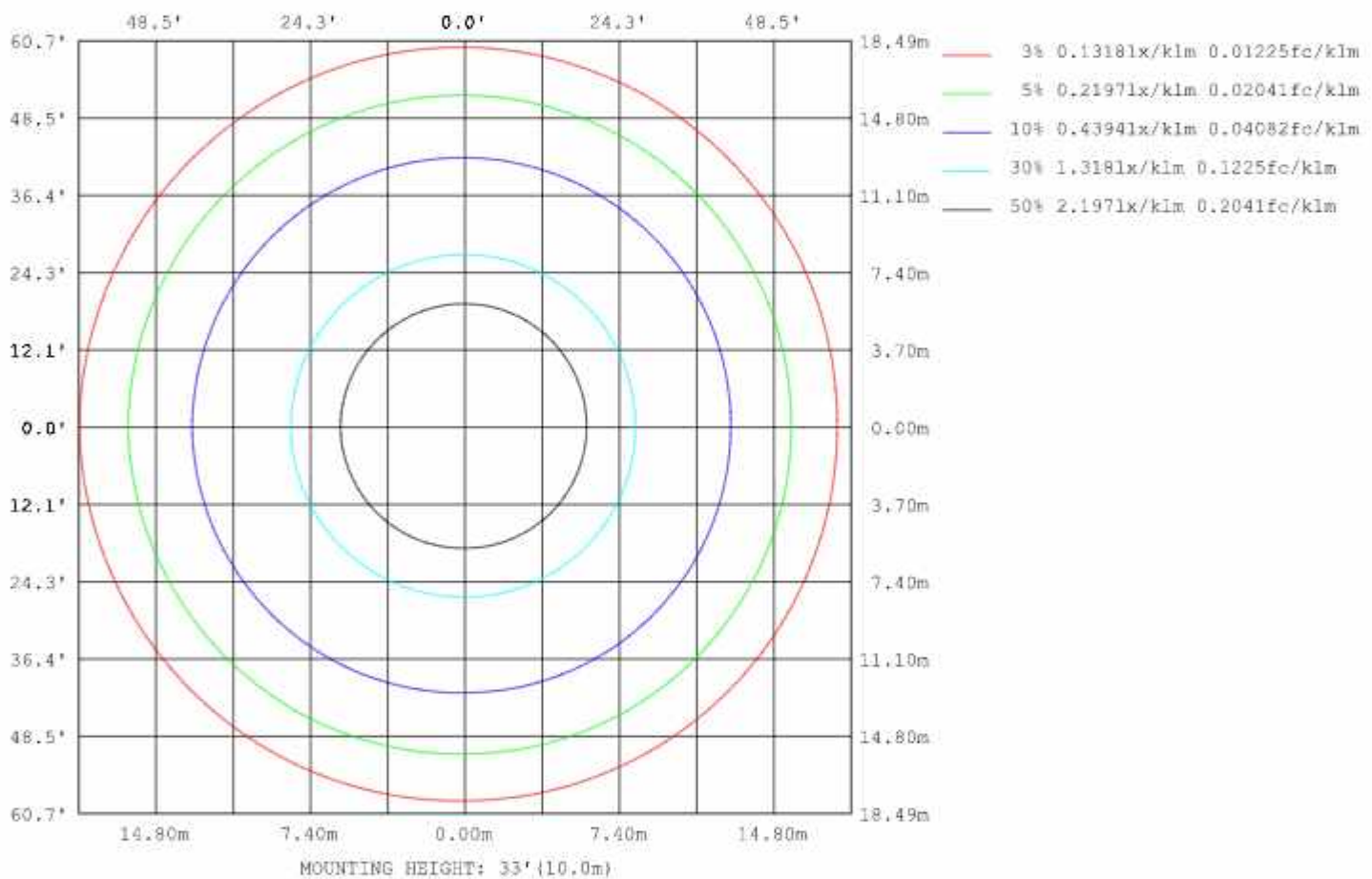
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

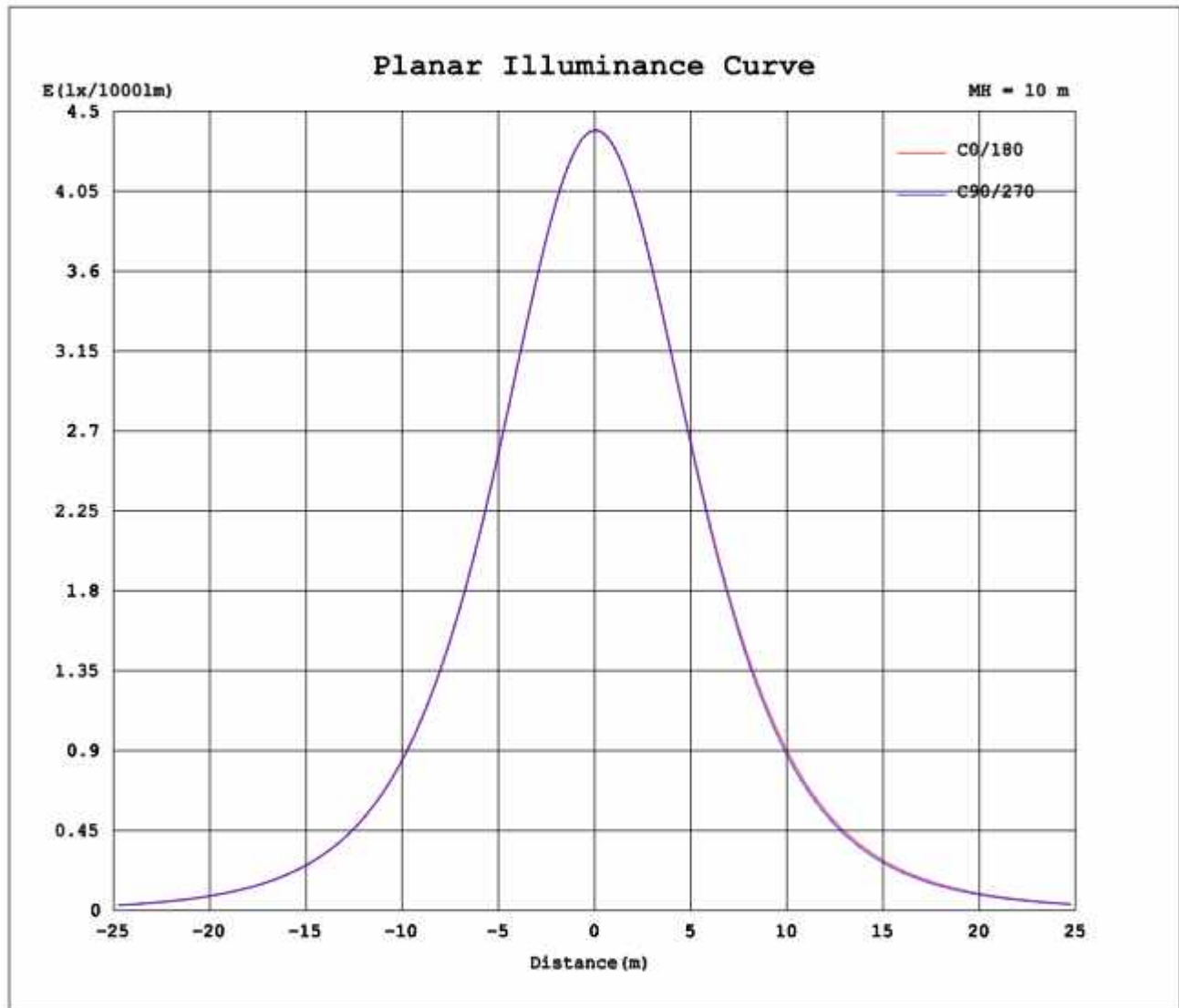
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	439	439	439	439															
5	436	436	438	437															
10	427	426	430	430															
15	412	411	417	416															
20	393	392	400	398															
25	369	367	377	375															
30	342	339	351	348															
35	311	309	322	317															
40	278	276	290	285															
45	240	239	255	248															
50	201	200	216	209															
55	160	160	176	168															
60	118	119	135	128															
65	77.7	80.4	94.0	87.6															
70	42.0	45.0	55.4	51.0															
75	18.2	20.7	25.4	22.7															
80	10.3	11.0	10.3	9.44															
85	5.06	5.51	5.13	4.11															
90	3.79	3.76	1.37	1.26															
95	3.78	3.76	1.44	1.42															
100	3.78	3.76	1.62	1.61															
105	3.78	3.77	1.84	1.82															
110	3.80	3.79	2.07	2.04															
115	3.84	3.83	2.30	2.28															
120	3.90	3.88	2.54	2.51															
125	3.98	3.95	2.77	2.74															
130	4.06	4.03	3.00	2.97															
135	4.16	4.12	3.23	3.20															
140	4.27	4.23	3.46	3.43															
145	4.39	4.36	3.70	3.67															
150	4.54	4.51	3.94	3.91															
155	4.69	4.68	4.19	4.17															
160	4.84	4.84	4.43	4.42															
165	4.97	4.99	4.66	4.66															
170	5.08	5.11	4.87	4.87															
175	5.15	5.18	5.04	5.05															
180	5.15	5.17	5.15	5.16															

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

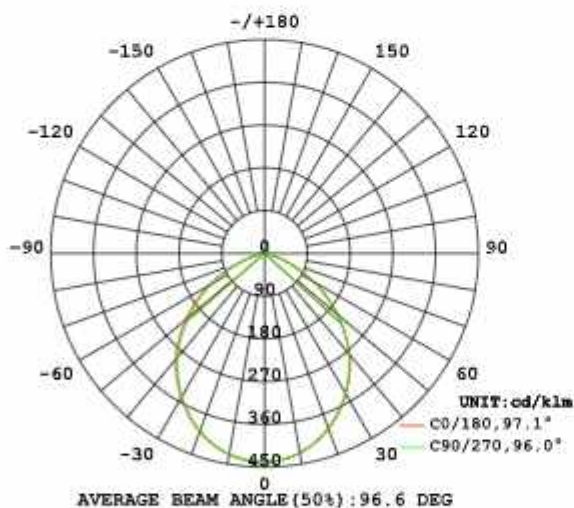
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

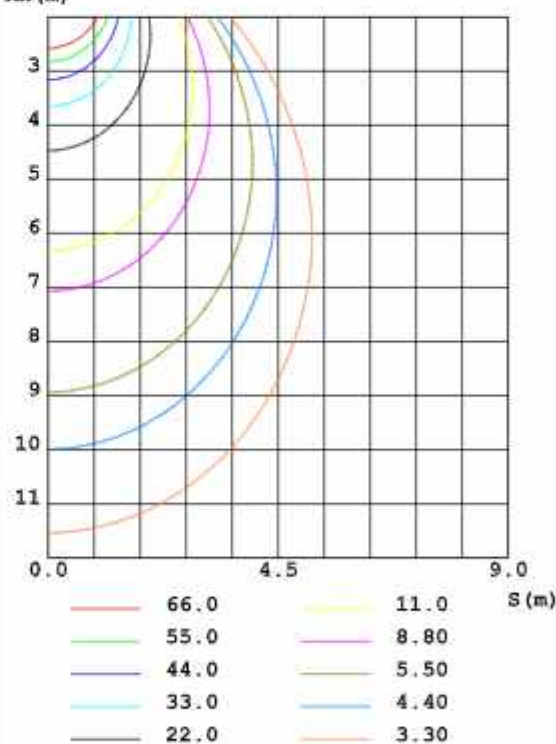
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.41 lm/W			
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.5	S/MH (C0/180)	1.17
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	1.3, 47.8
NOMINAL FLUX (lm)	3181.67	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.7	η down (%)	97.9	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



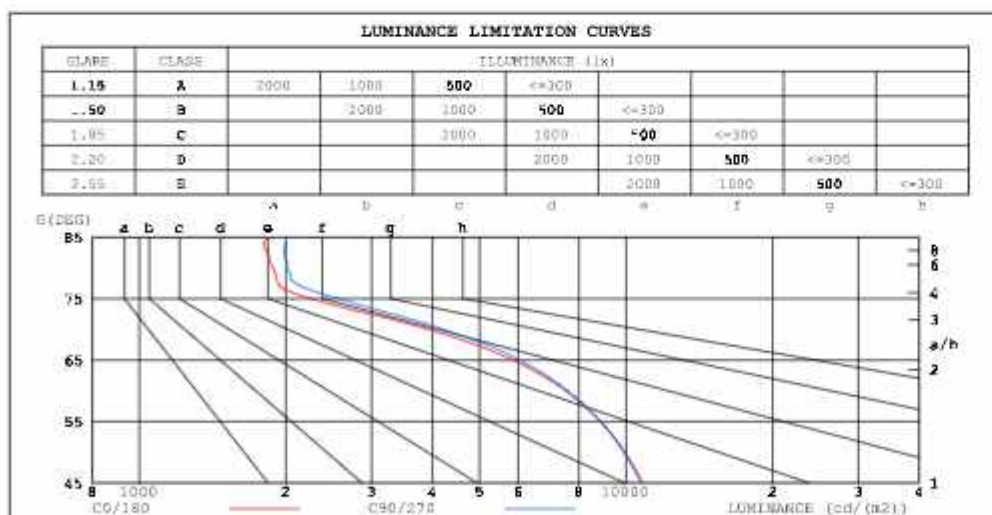
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.5	426.2	430.2	429.4					0- 10	41.40	41.40	4.14, 4.14
20	392.9	391.4	399.6	397.8					10- 20	116.7	158.1	15.8, 15.8
30	341.5	339.2	351.3	347.6					20- 30	171.2	329.3	32.9, 32.9
40	278.1	275.4	290.0	284.8					30- 40	196.7	525.9	52.6, 52.6
50	200.9	199.6	215.8	208.5					40- 50	188.8	714.8	71.5, 71.5
60	118.0	119.2	134.8	127.3					50- 60	148.0	862.8	86.3, 86.3
70	42.15	45.30	55.56	51.20					60- 70	84.39	947.2	94.7, 94.7
80	10.28	10.96	10.29	9.449					70- 80	25.82	973.0	97.3, 97.3
90	3.788	3.758	1.378	1.261					80- 90	5.933	978.9	97.9, 97.9
100	3.777	3.756	1.623	1.610					90-100	2.839	981.7	98.2, 98.2
110	3.799	3.783	2.061	2.041					100-110	2.963	984.7	98.5, 98.5
120	3.899	3.878	2.536	2.508					110-120	3.035	987.7	98.8, 98.8
130	4.054	4.022	3.001	2.967					120-130	3.009	990.8	99.1, 99.1
140	4.268	4.225	3.459	3.429					130-140	2.842	993.6	99.4, 99.4
150	4.535	4.507	3.930	3.904					140-150	2.525	996.1	99.6, 99.6
160	4.839	4.837	4.421	4.418					150-160	2.041	998.2	99.8, 99.8
170	5.068	5.103	4.860	4.863					160-170	1.358	999.5	100, 100
180	5.142	5.162	5.143	5.161					170-180	0.4827	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/ (m²)		
C (DEG)	C0/180	C90/270
85	1840	2009
80	1884	2008
75	2249	2555
70	3921	4214
65	5856	6053
60	7508	7566
55	8856	8851
50	9945	9880
45	10815	10734

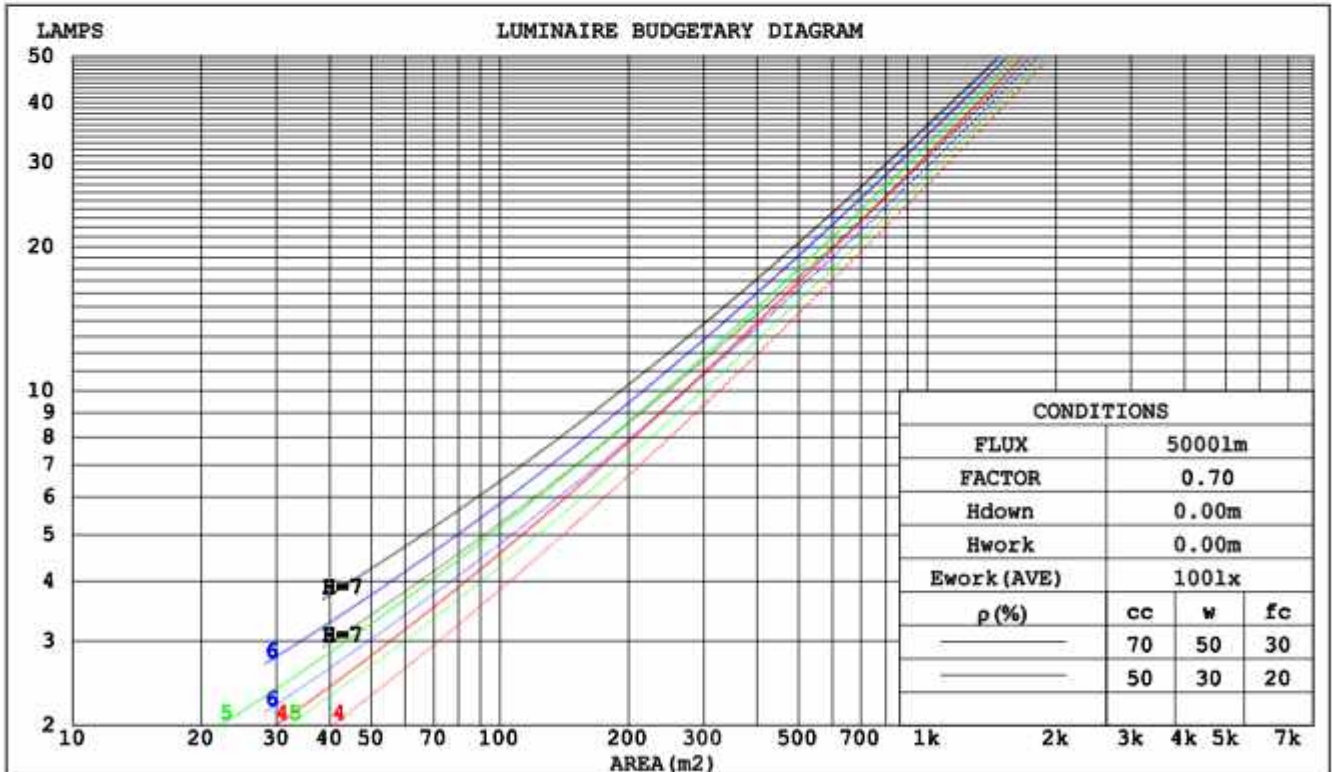
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.223	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.091	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.154	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.130	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.117	.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: 8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					15.9	17.2	16.2	17.5	17.7	15.9	17.2	16.2	17.5	17.7
3H					16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.8	18.0	18.2
4H					16.4	17.6	16.7	17.9	18.2	16.5	17.7	16.8	17.9	18.2
6H					16.4	17.5	16.7	17.8	18.1	16.5	17.6	16.8	17.9	18.2
8H					16.3	17.4	16.7	17.7	18.1	16.4	17.5	16.8	17.8	18.2
12H					16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1
4H 2H					16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
3H					16.8	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.2	18.5
4H					16.8	17.7	17.2	18.1	18.5	16.9	17.8	17.3	18.2	18.5
6H					16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
8H					16.8	17.6	17.3	18.0	18.4	16.9	17.7	17.4	18.1	18.5
12H					16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.4	18.0	18.5
8H 4H					16.8	17.5	17.2	17.9	18.4	16.9	17.6	17.3	18.0	18.4
6H					16.8	17.4	17.3	17.9	18.4	16.9	17.5	17.4	18.0	18.4
8H					16.9	17.4	17.3	17.9	18.4	17.0	17.5	17.4	18.0	18.5
12H					16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.5
12H 4H					16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.3	17.9	18.4
6H					16.8	17.4	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
8H					16.8	17.3	17.4	17.8	18.3	16.9	17.4	17.5	17.9	18.4
Variations with the observer position at spacings:														
S = 1.0H					+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H					+ 0.2 / - 0.5					+ 0.2 / - 0.5				
2.0H					+ 0.9 / - 1.0					+ 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

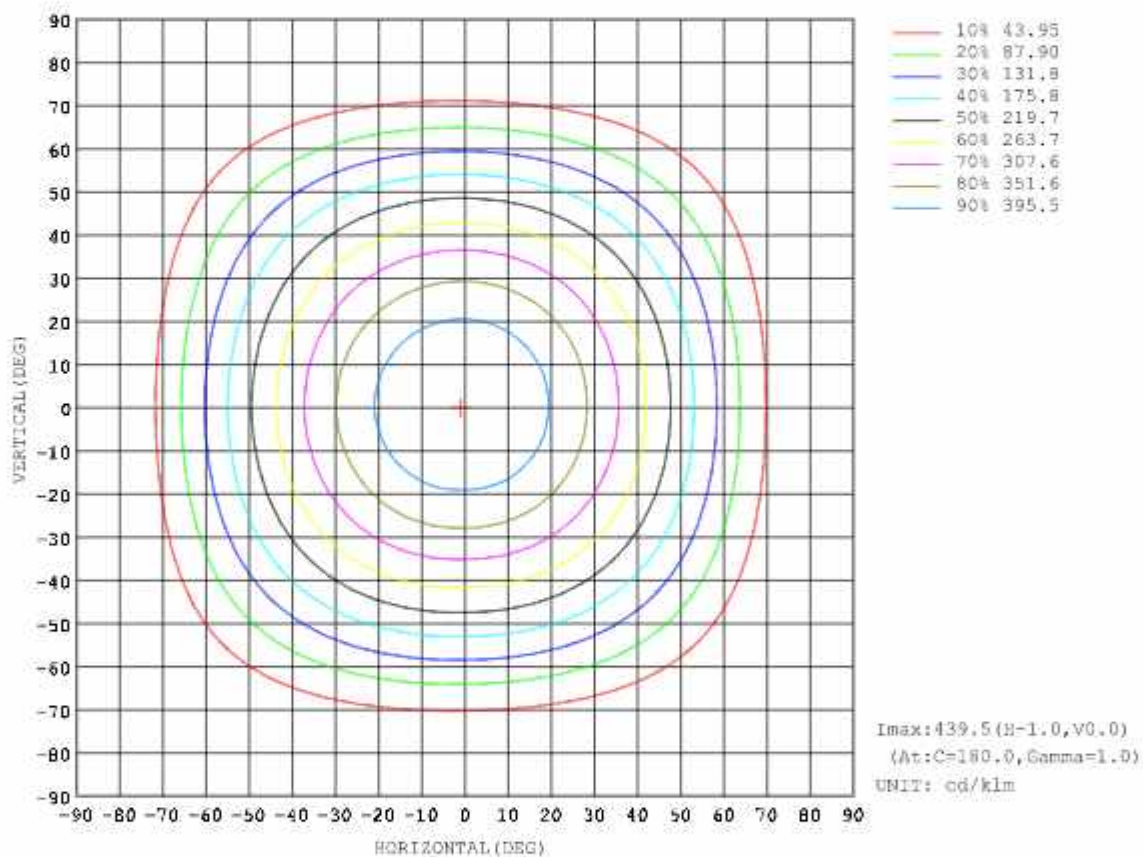
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	55	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	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	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					SHRNM = 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

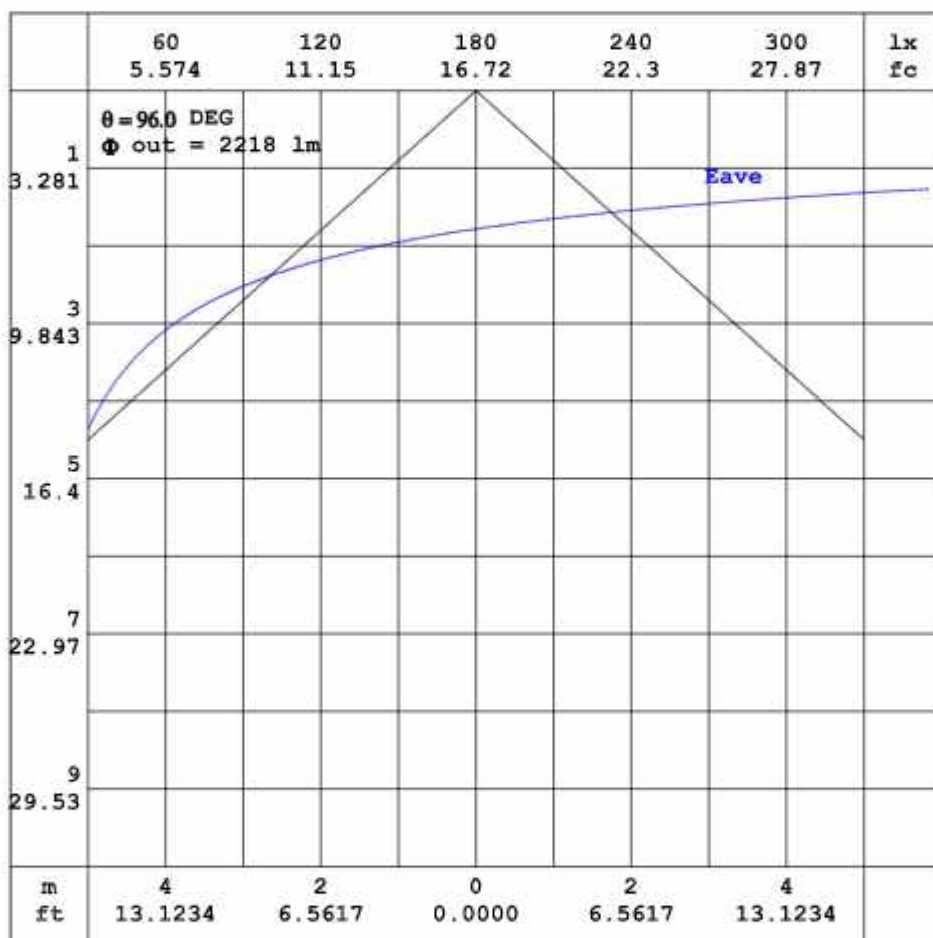


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



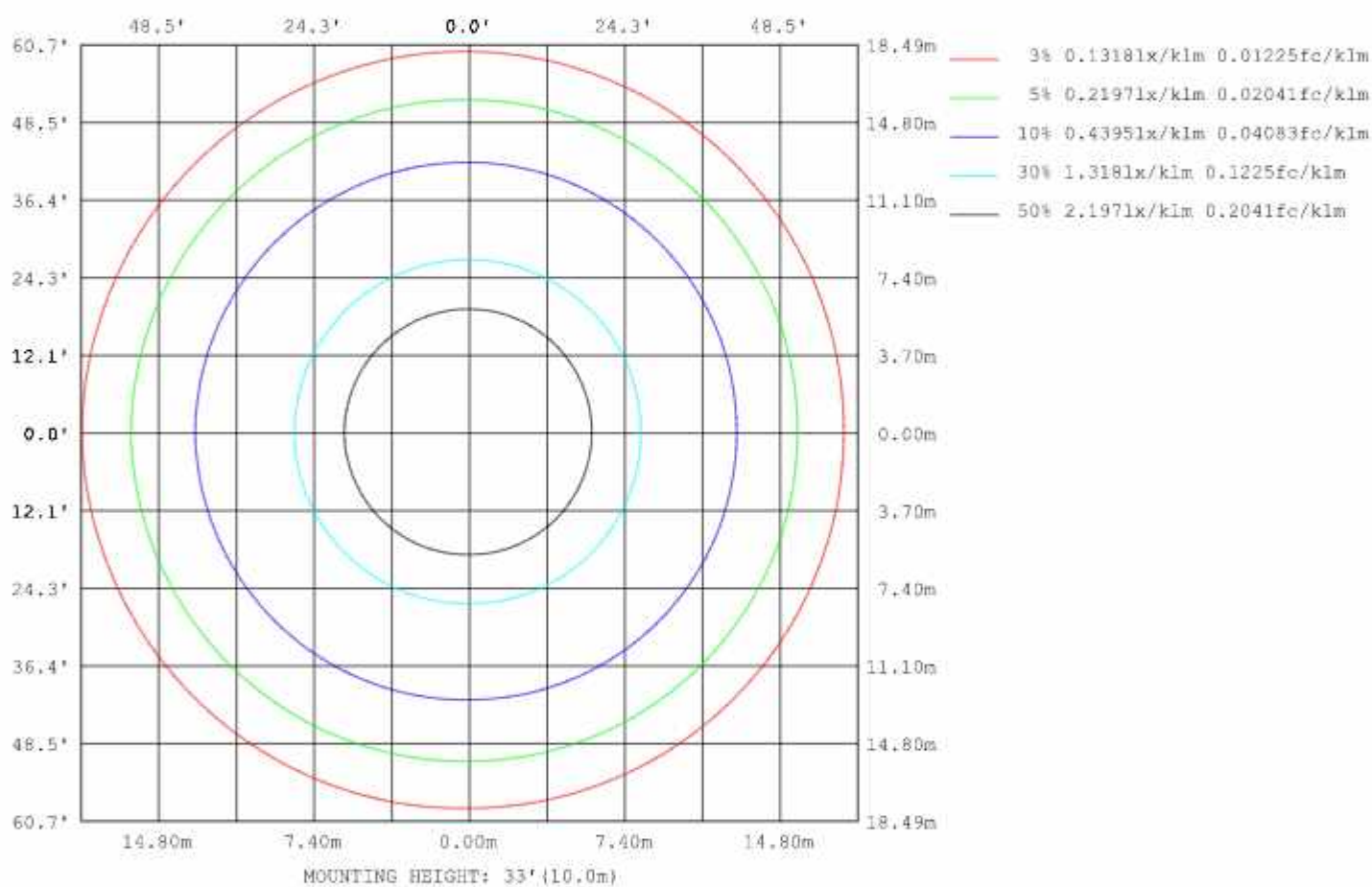
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

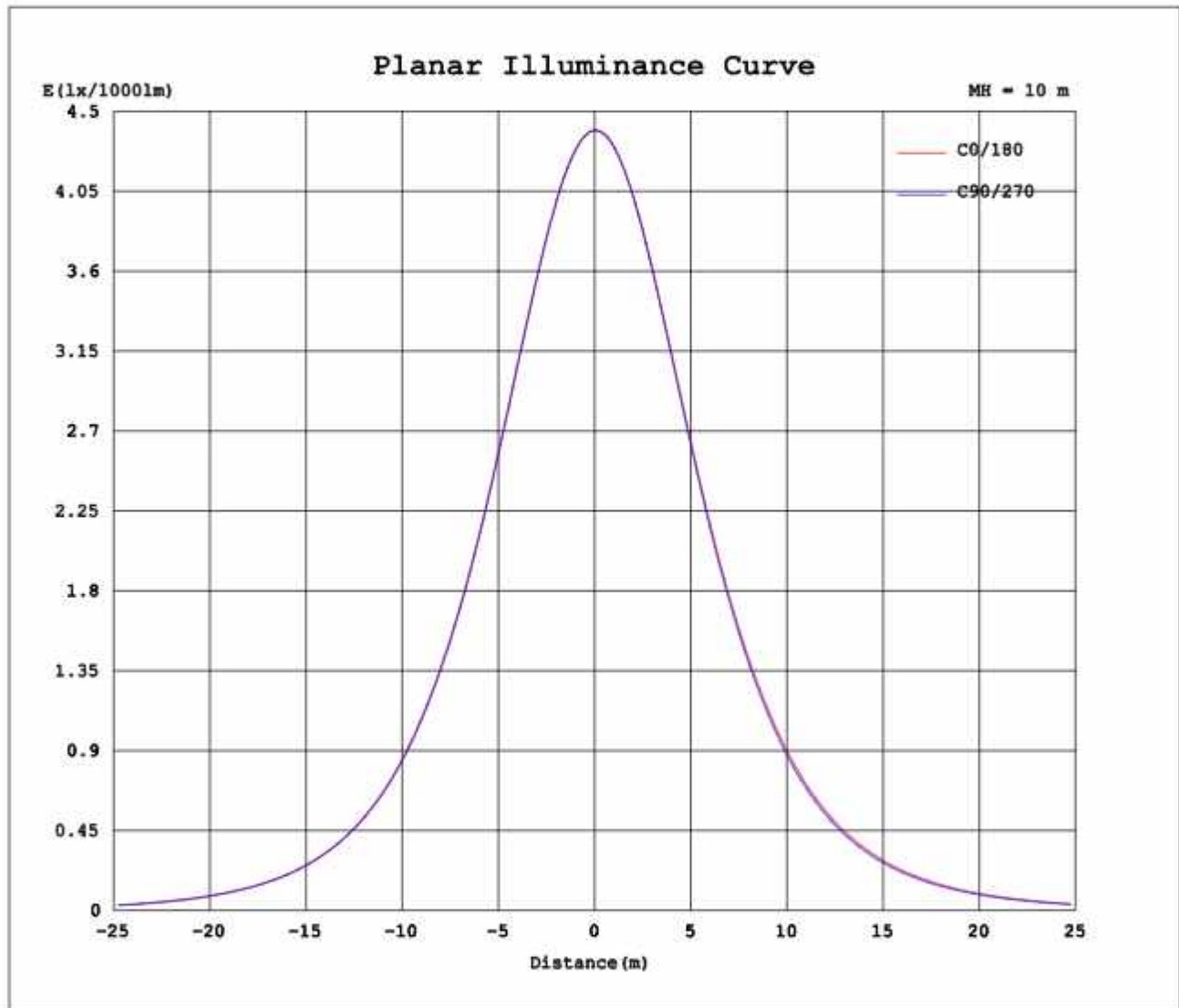
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	439	439	439	439															
5	436	435	438	437															
10	427	426	430	429															
15	412	411	417	416															
20	393	391	400	398															
25	369	367	377	375															
30	342	339	351	348															
35	311	308	322	317															
40	278	275	290	285															
45	240	239	254	248															
50	201	200	216	208															
55	160	160	176	168															
60	118	119	135	127															
65	77.8	80.4	94.0	87.6															
70	42.2	45.3	55.6	51.2															
75	18.3	20.8	25.6	22.8															
80	10.3	11.0	10.3	9.45															
85	5.04	5.50	5.13	4.10															
90	3.79	3.76	1.38	1.26															
95	3.78	3.75	1.44	1.42															
100	3.78	3.76	1.62	1.61															
105	3.78	3.76	1.84	1.82															
110	3.80	3.78	2.06	2.04															
115	3.84	3.82	2.29	2.27															
120	3.90	3.88	2.54	2.51															
125	3.97	3.94	2.77	2.74															
130	4.05	4.02	3.00	2.97															
135	4.15	4.12	3.23	3.19															
140	4.27	4.23	3.46	3.43															
145	4.39	4.35	3.69	3.66															
150	4.54	4.51	3.93	3.90															
155	4.69	4.67	4.18	4.16															
160	4.84	4.84	4.42	4.42															
165	4.96	4.99	4.66	4.65															
170	5.07	5.10	4.86	4.86															
175	5.14	5.17	5.03	5.04															
180	5.14	5.16	5.14	5.16															

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

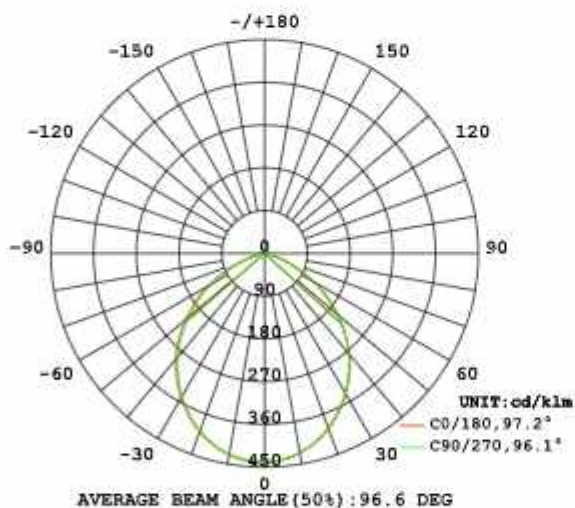
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

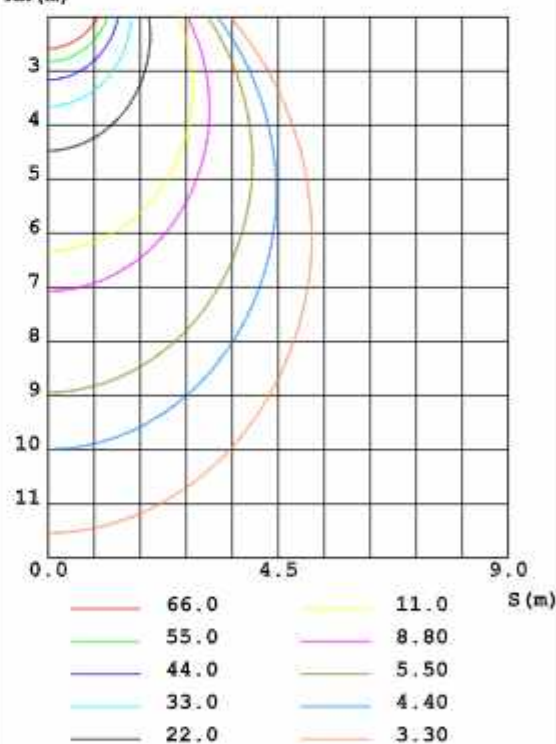
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 110.44 lm/W
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.8	S/MH (C0/180)	1.16	
NOMINAL POWER (W)	32	LOR (%)	100.0	S/MH (C90/270)	1.16	
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	1.3, 47.7	
NOMINAL FLUX (lm)	3180.68	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1	
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	121.6	η down (%)	97.9	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



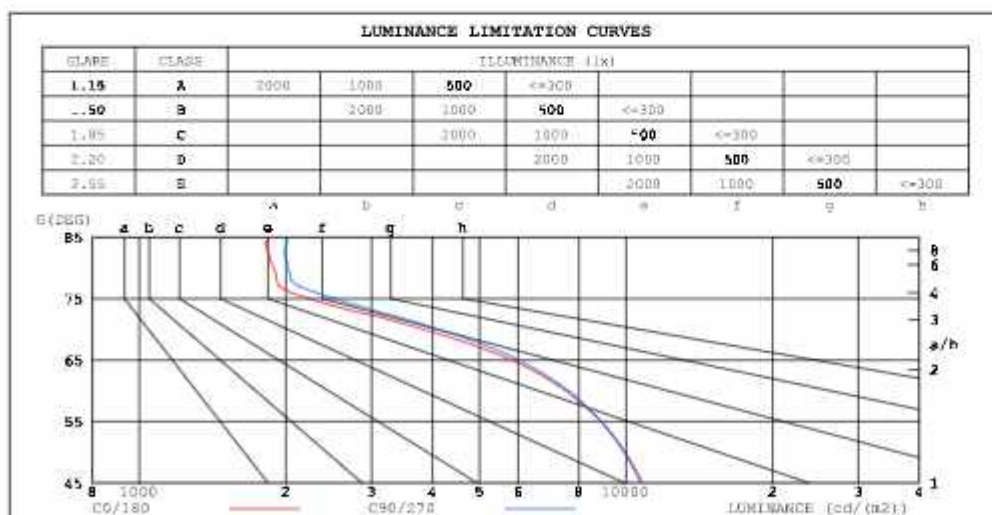
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270				γ	Φ zone	Φ total	Φ lum, lamp
10	426.7	426.3	430.5	429.7				0- 10	41.42	41.42	4.14, 4.14
20	392.7	391.2	399.9	397.7				10- 20	116.7	158.1	15.8, 15.8
30	340.9	338.9	351.3	347.6				20- 30	171.1	329.3	32.9, 32.9
40	277.5	275.3	290.2	284.5				30- 40	196.5	525.8	52.6, 52.6
50	201.1	200.0	216.3	208.9				40- 50	188.9	714.6	71.5, 71.5
60	118.2	119.6	135.7	127.9				50- 60	148.5	863.1	86.3, 86.3
70	41.31	44.32	55.09	50.47				60- 70	84.23	947.3	94.7, 94.7
80	10.32	10.98	10.25	9.457				70- 80	25.43	972.8	97.3, 97.3
90	3.819	3.792	1.393	1.282				80- 90	5.966	978.7	97.9, 97.9
100	3.808	3.786	1.644	1.629				90-100	2.866	981.6	98.2, 98.2
110	3.826	3.818	2.082	2.064				100-110	2.990	984.6	98.5, 98.5
120	3.934	3.911	2.560	2.535				110-120	3.063	987.6	98.8, 98.8
130	4.088	4.056	3.027	2.996				120-130	3.036	990.7	99.1, 99.1
140	4.303	4.257	3.486	3.457				130-140	2.866	993.5	99.4, 99.4
150	4.570	4.543	3.959	3.938				140-150	2.546	996.1	99.6, 99.6
160	4.878	4.878	4.451	4.452				150-160	2.058	998.1	99.8, 99.8
170	5.112	5.144	4.898	4.906				160-170	1.369	999.5	100, 100
180	5.179	5.201	5.180	5.196				170-180	0.4863	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm								UNIT: lm/klm		



LUMINANCE cd/ (m²)		
G (DEG)	C0/180	C90/270
85	1853	2021
80	1891	2010
75	2228	2516
70	3842	4121
65	5821	6027
60	7521	7609
55	8883	8877
50	9949	9896
45	10808	10728

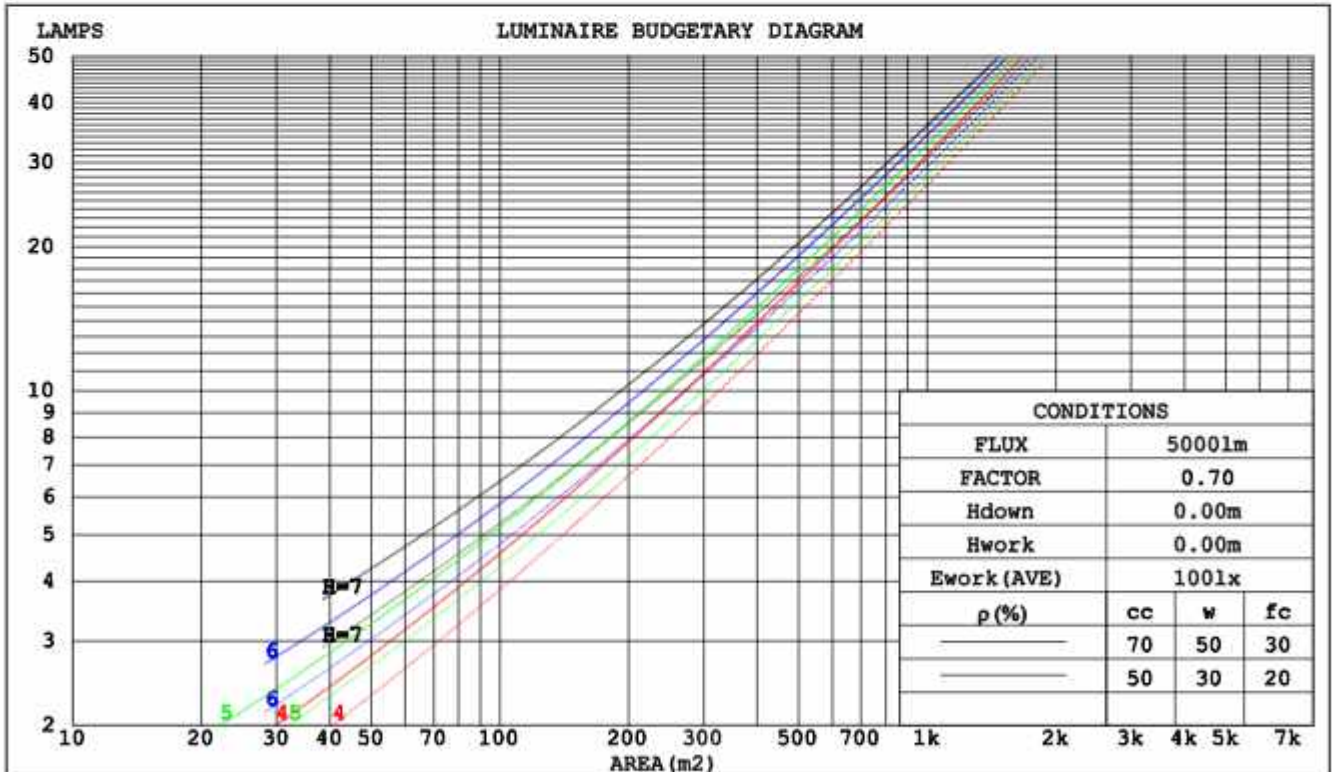
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.148	.047	.254	.145	.046	.239	.137	.044	.226	.130	.042	.214	.124	.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	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.181	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.079	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.155	.165	.148	.133	.113	.102	.092	.065	.059	.054	.021	.019	.017	
2.0	.184	.149	.119	.157	.128	.103	.108	.088	.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	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.127	.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	.117	.070	.038	.081	.049	.027	.047	.029	.016	.015	.010	.005	
10.0	.130	.076	.040	.112	.066	.035	.078	.047	.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: 8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	15.9	17.2	16.2	17.5	17.7	15.9	17.3	16.2	17.5	17.7	
	3H	16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.7	17.9	18.2
	4H	16.4	17.6	16.7	17.8	18.1	16.5	17.7	16.8	17.9	18.2
	6H	16.4	17.5	16.7	17.8	18.1	16.4	17.6	16.8	17.9	18.2
	8H	16.3	17.4	16.7	17.7	18.0	16.4	17.5	16.8	17.8	18.1
12H	16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1	
4H	2H	16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
	3H	16.7	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.1	18.5
	4H	16.8	17.7	17.2	18.1	18.4	16.9	17.8	17.3	18.2	18.5
	6H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
	8H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
12H	16.8	17.5	17.2	17.9	18.3	16.9	17.6	17.4	18.0	18.5	
8H	4H	16.7	17.5	17.2	17.9	18.3	16.8	17.6	17.3	18.0	18.4
	6H	16.8	17.4	17.3	17.9	18.3	16.9	17.5	17.4	18.0	18.4
	8H	16.8	17.4	17.3	17.8	18.3	16.9	17.5	17.4	17.9	18.4
	12H	16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.4
12H	4H	16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.2	17.9	18.3
	6H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
	8H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5					
2.0H	+ 0.9 / - 1.0					+ 0.8 / - 0.9					

UTILIZATION FACTORS TABLE

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

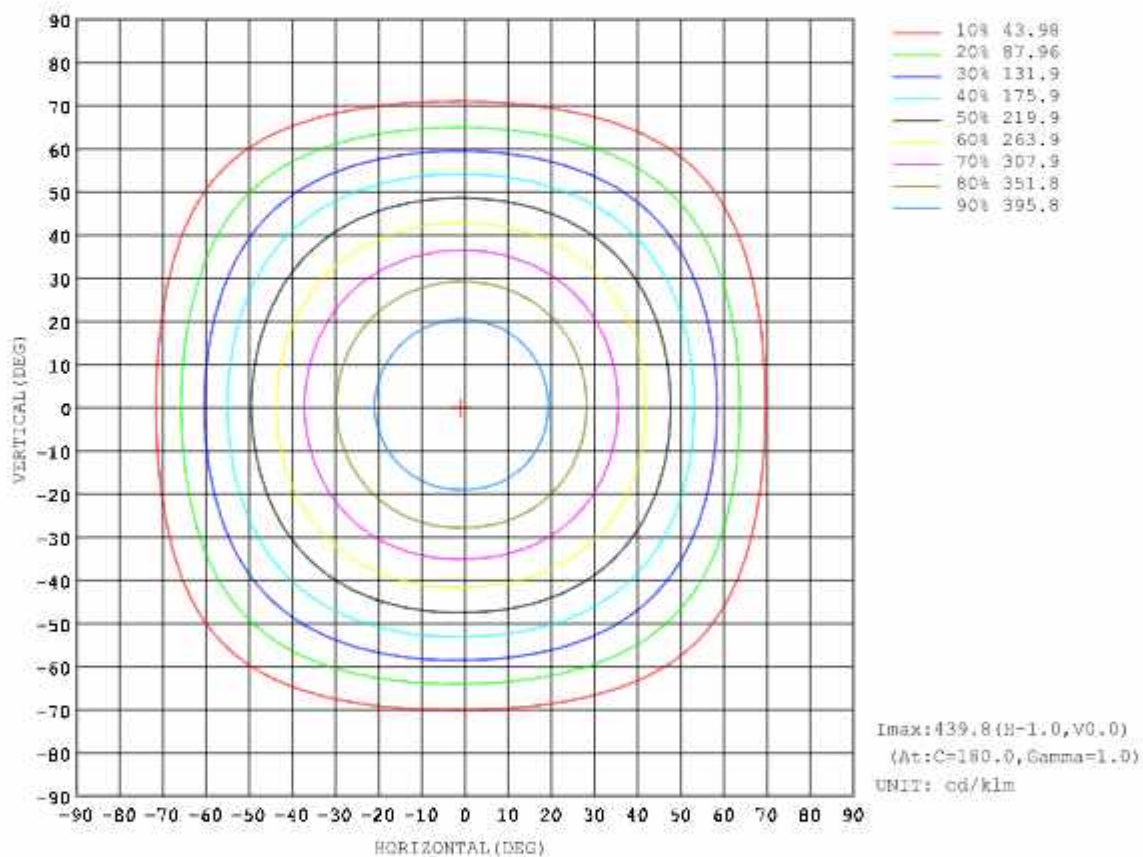
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	54	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	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	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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

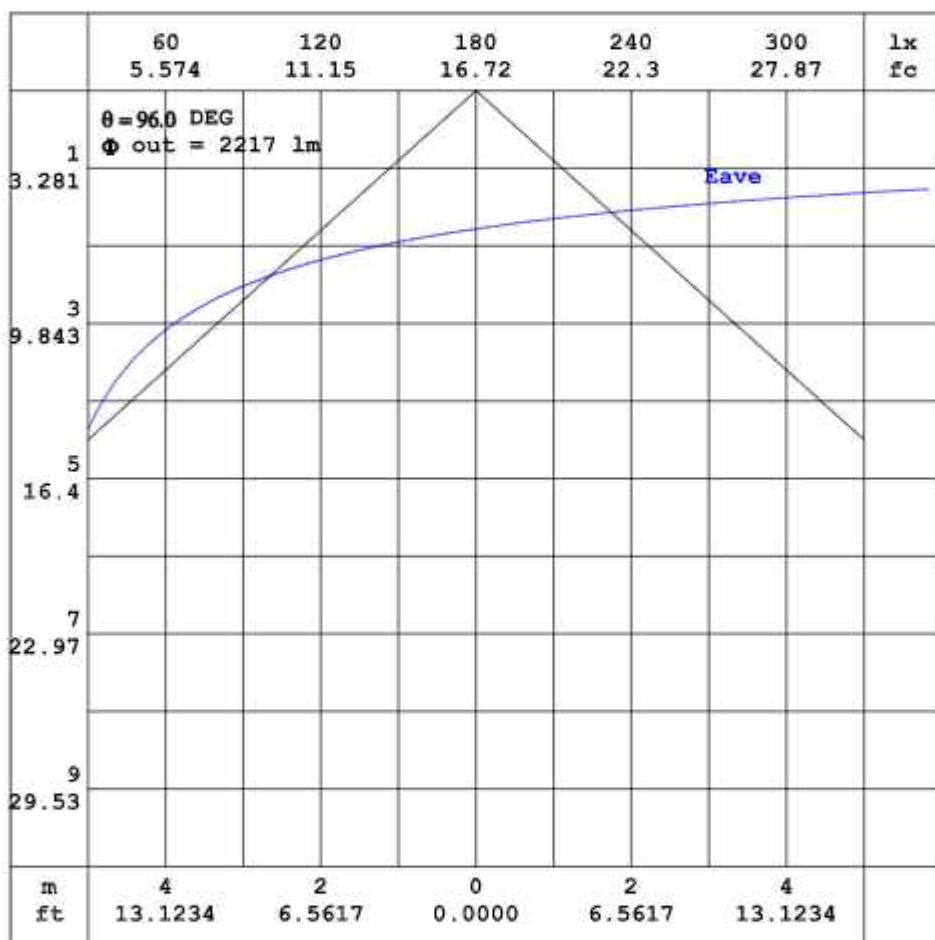


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



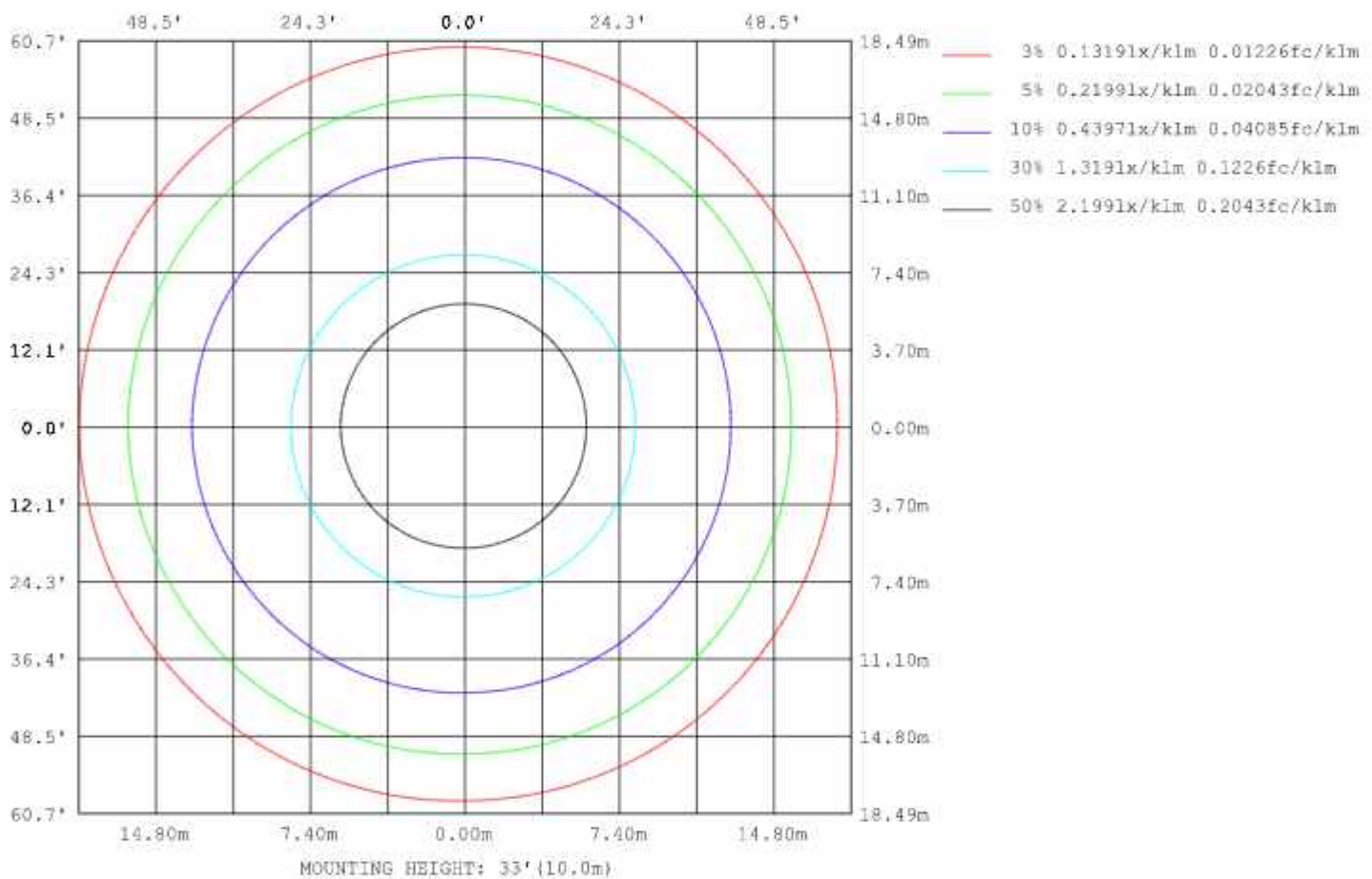
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

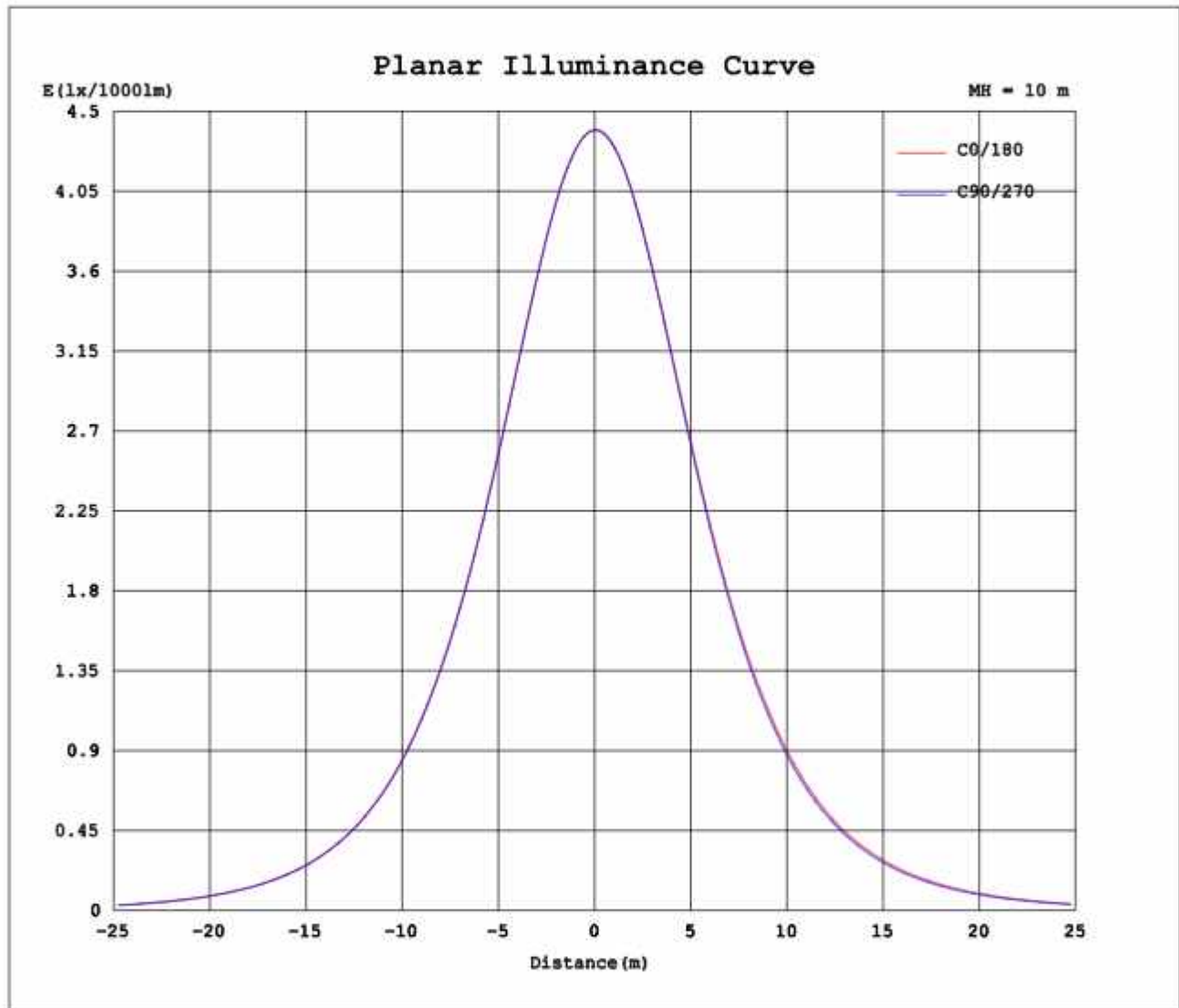
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8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	440	439	440	439															
5	436	436	438	437															
10	427	426	431	430															
15	412	411	418	416															
20	393	391	400	398															
25	369	367	378	375															
30	341	339	351	348															
35	311	308	322	317															
40	278	275	290	285															
45	240	239	255	248															
50	201	200	216	209															
55	160	160	177	169															
60	118	120	136	128															
65	77.3	80.1	94.3	87.5															
70	41.3	44.3	55.1	50.5															
75	18.1	20.3	25.0	22.4															
80	10.3	11.0	10.3	9.46															
85	5.08	5.54	5.16	4.14															
90	3.82	3.79	1.39	1.28															
95	3.81	3.79	1.45	1.44															
100	3.81	3.79	1.64	1.63															
105	3.81	3.79	1.86	1.84															
110	3.83	3.82	2.08	2.06															
115	3.87	3.86	2.32	2.30															
120	3.93	3.91	2.56	2.54															
125	4.01	3.98	2.79	2.77															
130	4.09	4.06	3.03	3.00															
135	4.19	4.15	3.25	3.22															
140	4.30	4.26	3.49	3.46															
145	4.43	4.39	3.73	3.69															
150	4.57	4.54	3.96	3.94															
155	4.72	4.71	4.20	4.19															
160	4.88	4.88	4.45	4.45															
165	5.00	5.03	4.69	4.69															
170	5.11	5.14	4.90	4.91															
175	5.18	5.21	5.07	5.08															
180	5.18	5.20	5.18	5.20															

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

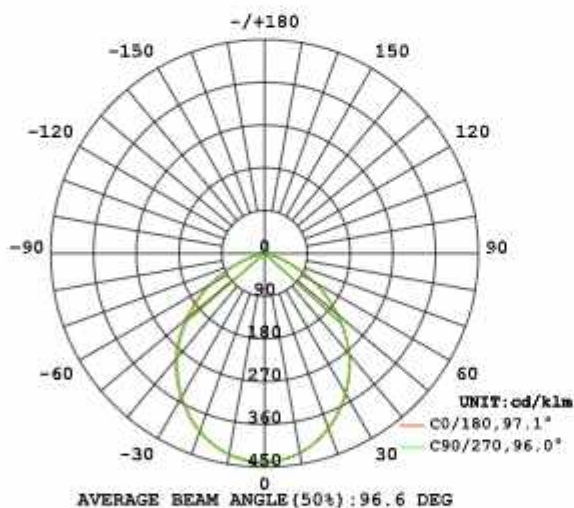
y Range: 0 - 180DEG
y Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

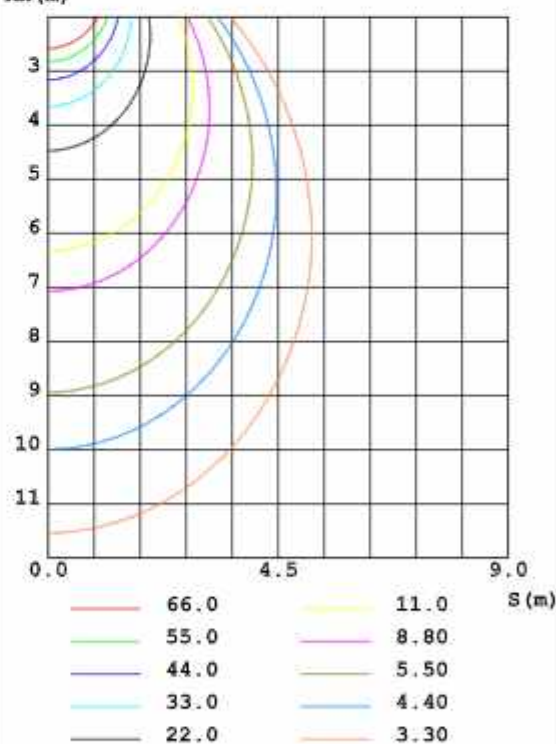
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.10 lm/W			
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.8	S/MH (C0/180)	1.16
NOMINAL POWER (W)	32	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)	1.3, 47.7
NOMINAL FLUX (lm)	3479.92	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.6	η down (%)	97.9	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



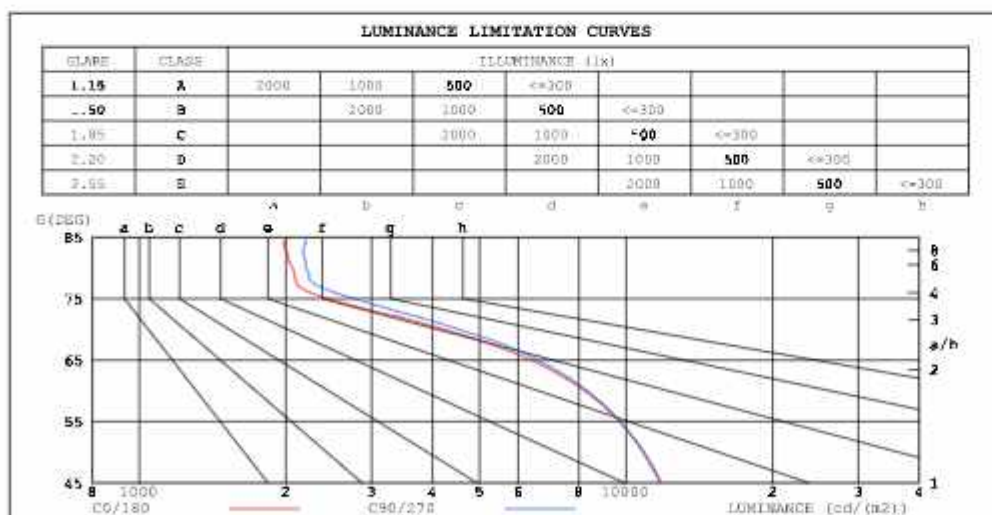
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.5	426.1	430.5	429.4					0- 10	41.42	41.42	4.14, 4.14
20	392.4	391.3	399.9	397.9					10- 20	116.7	158.1	15.8, 15.8
30	341.3	339.0	351.4	347.6					20- 30	171.2	329.3	32.9, 32.9
40	277.6	275.4	290.1	284.6					30- 40	196.6	525.9	52.6, 52.6
50	201.0	199.9	216.2	208.8					40- 50	188.8	714.7	71.5, 71.5
60	118.2	119.5	135.5	127.8					50- 60	148.3	863.1	86.3, 86.3
70	41.49	44.54	55.70	50.65					60- 70	84.29	947.3	94.7, 94.7
80	10.29	10.96	10.25	9.453					70- 80	25.52	972.9	97.3, 97.3
90	3.803	3.776	1.379	1.270					80- 90	5.950	978.8	97.9, 97.9
100	3.795	3.774	1.632	1.620					90-100	2.852	981.7	98.2, 98.2
110	3.813	3.800	2.072	2.054					100-110	2.977	984.6	98.5, 98.5
120	3.917	3.894	2.544	2.524					110-120	3.049	987.7	98.8, 98.8
130	4.073	4.037	3.012	2.984					120-130	3.022	990.7	99.1, 99.1
140	4.287	4.242	3.472	3.447					130-140	2.854	993.6	99.4, 99.4
150	4.553	4.524	3.943	3.922					140-150	2.536	996.1	99.6, 99.6
160	4.861	4.856	4.435	4.435					150-160	2.050	998.2	99.8, 99.8
170	5.092	5.123	4.881	4.888					160-170	1.364	999.5	100, 100
180	5.163	5.181	5.162	5.180					170-180	0.4847	1000.0	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/(m2)		
C (DEG)	C0/180	C90/270
85	2023	2205
80	2063	2196
75	2438	2760
70	4222	4532
65	6372	6592
60	8226	8314
55	9705	9702
50	10883	10820
45	11822	11737

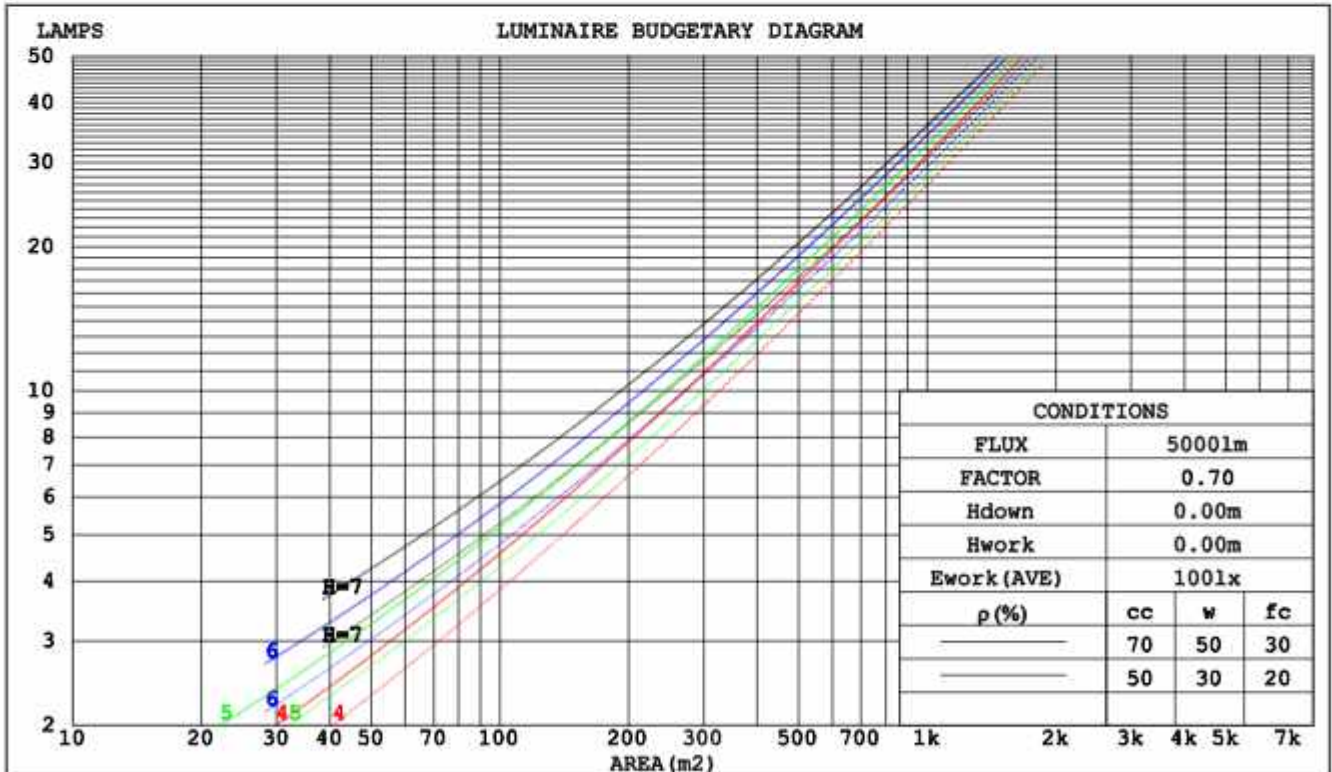
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.41	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.148	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.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	.121	.037	.212	.116	.036	.203	.112	.035	
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032	
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029	
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027	
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025	
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023	
9.0	.164	.079	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021	
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.131	.095	.150	.113	.082	.103	.078	.058	.060	.046	.034	.019	.015	.011	
4.0	.167	.117	.079	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.117	.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: 8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	15.9	17.2	16.2	17.5	17.7	15.9	17.3	16.2	17.5	17.7	
	3H	16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.7	17.9	18.2
	4H	16.4	17.6	16.7	17.9	18.1	16.5	17.7	16.8	17.9	18.2
	6H	16.4	17.5	16.7	17.8	18.1	16.4	17.6	16.8	17.9	18.2
	8H	16.3	17.4	16.7	17.7	18.0	16.4	17.5	16.8	17.8	18.1
12H	16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1	
4H	2H	16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
	3H	16.7	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.1	18.5
	4H	16.8	17.7	17.2	18.1	18.4	16.9	17.8	17.3	18.2	18.5
	6H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
	8H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
12H	16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.4	18.0	18.5	
8H	4H	16.8	17.5	17.2	17.9	18.3	16.8	17.6	17.3	18.0	18.4
	6H	16.8	17.4	17.3	17.9	18.3	16.9	17.5	17.4	18.0	18.4
	8H	16.8	17.4	17.3	17.8	18.3	16.9	17.5	17.4	17.9	18.4
	12H	16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.4
12H	4H	16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.3	17.9	18.4
	6H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
	8H	16.8	17.3	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5					
2.0H	+ 0.9 / - 1.0					+ 0.8 / - 0.9					

UTILIZATION FACTORS TABLE

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

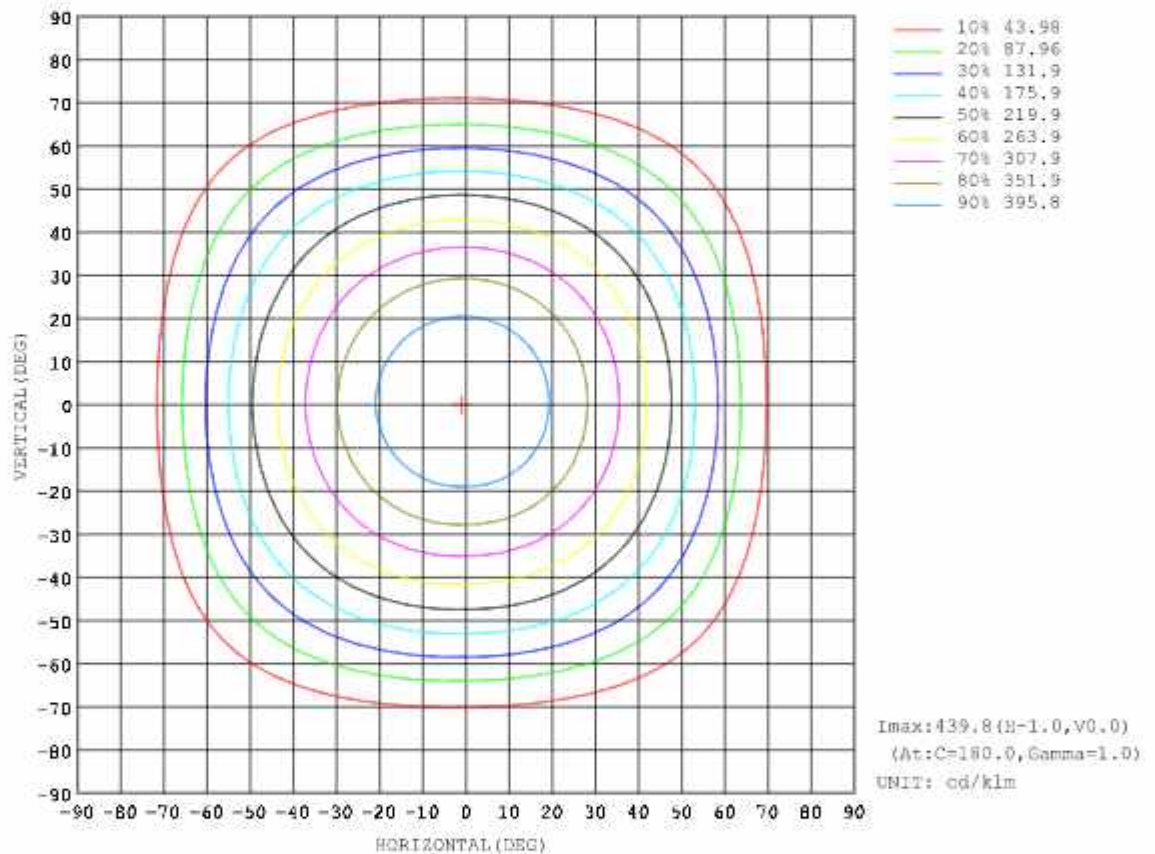
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	55	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	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	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					SHRNM = 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

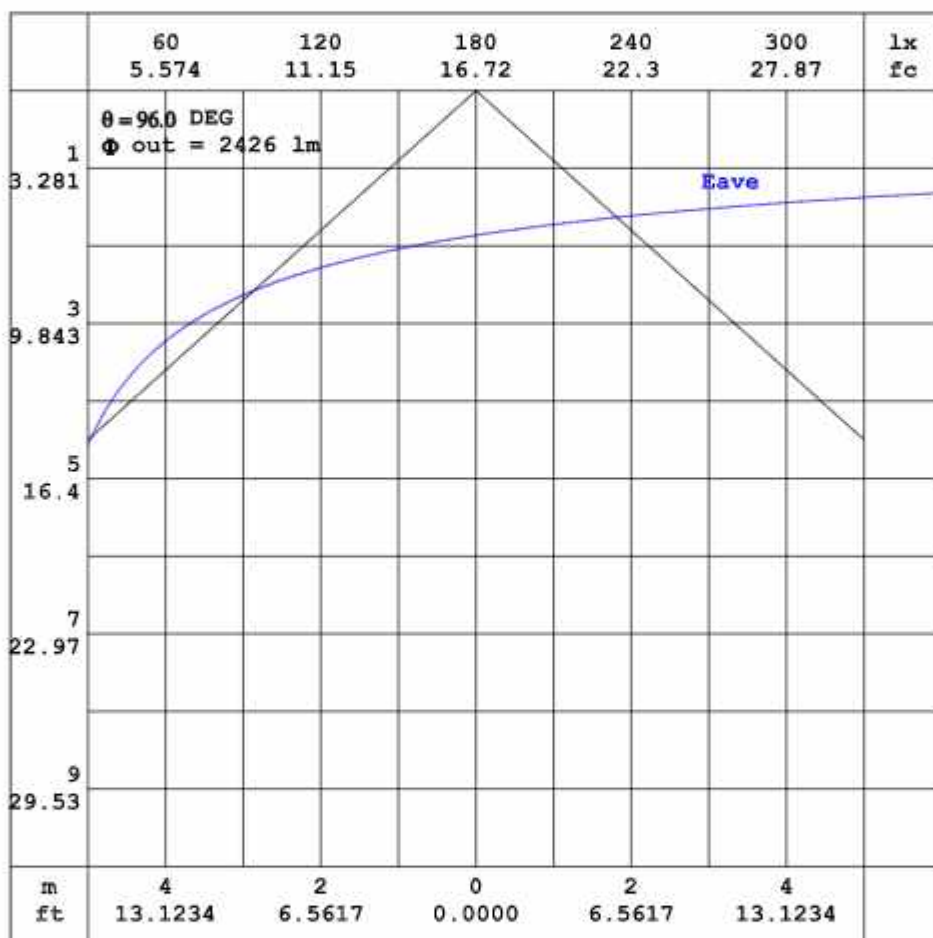


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



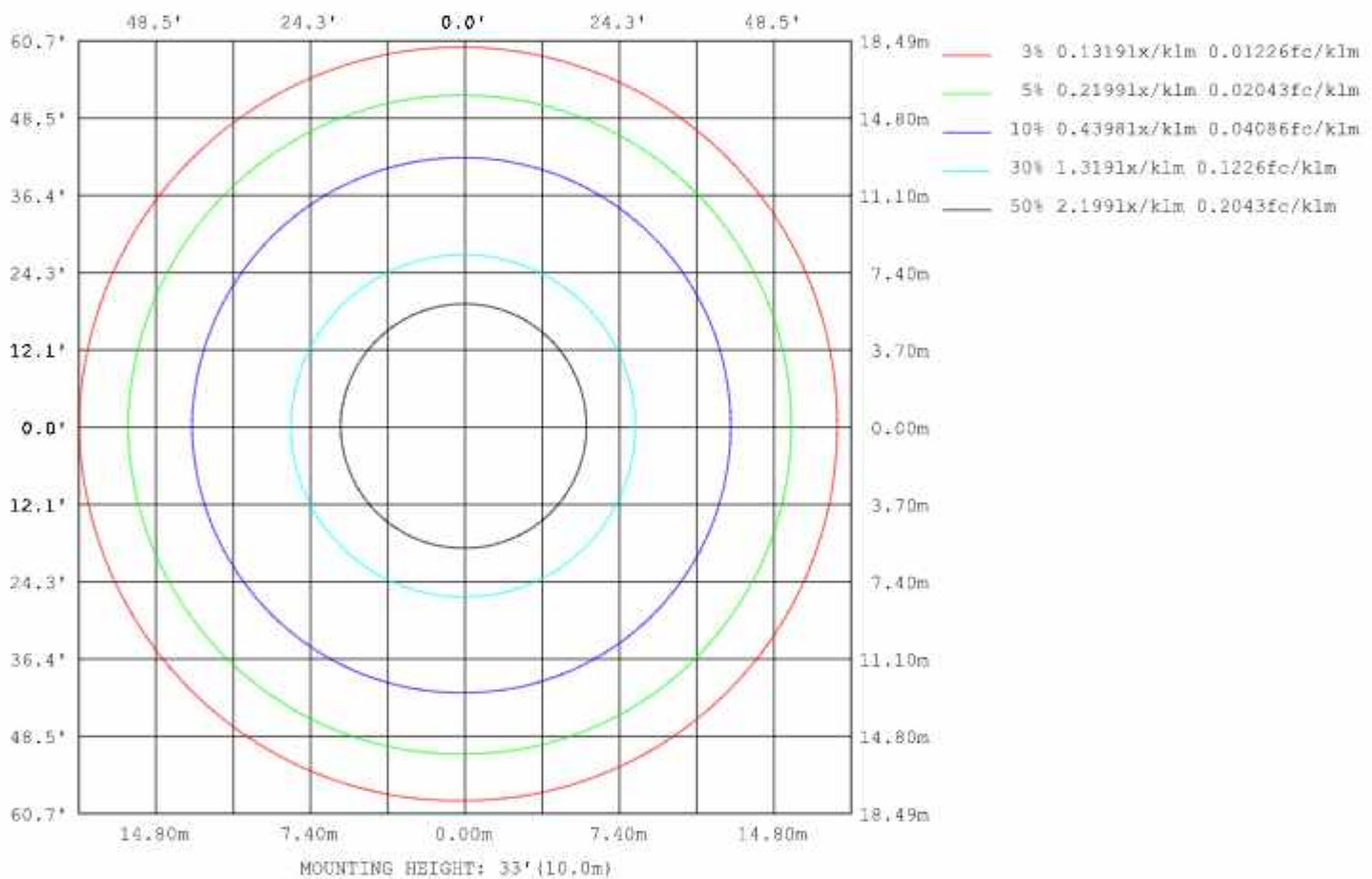
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

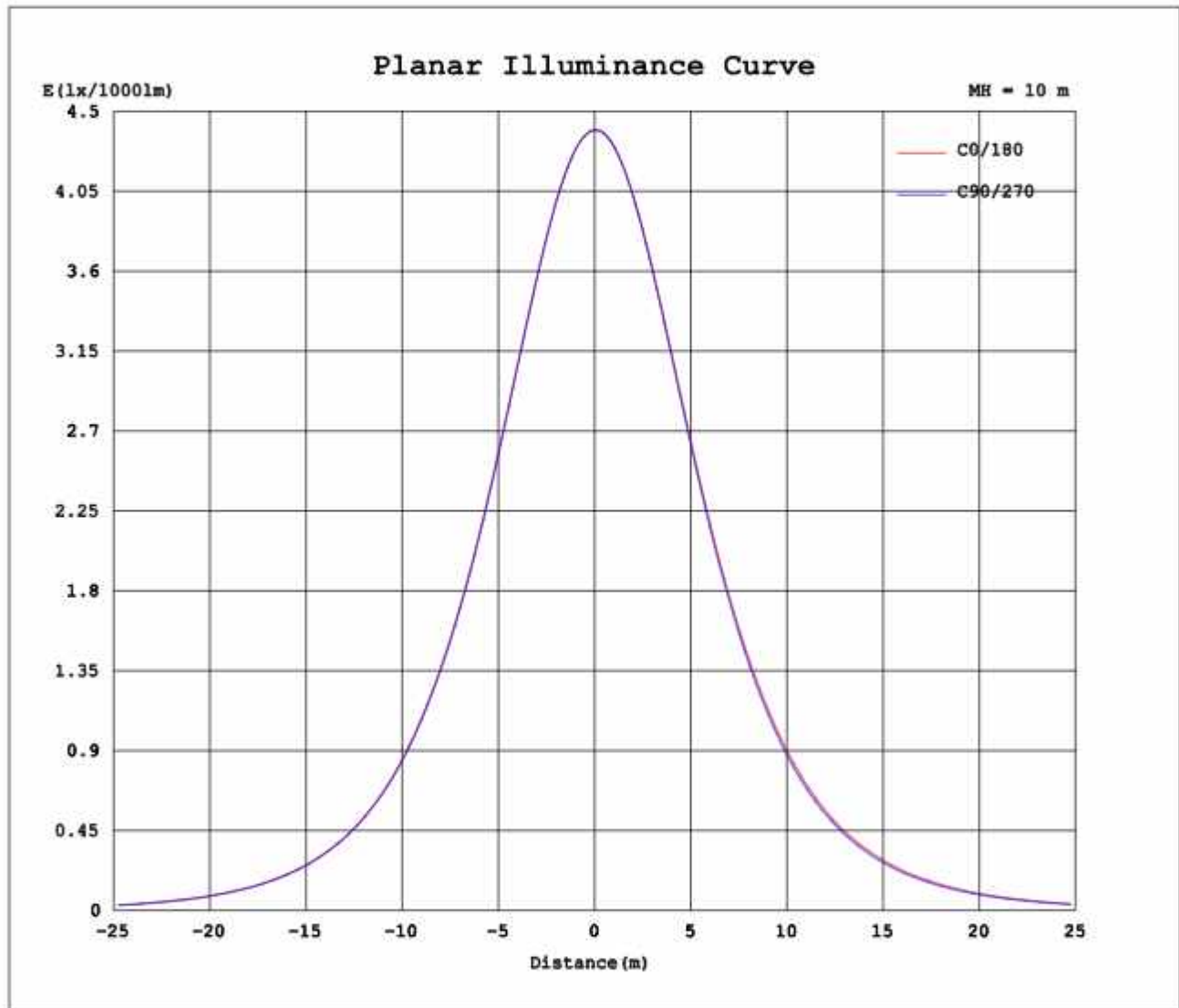
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	440	440	440	440															
5	436	436	438	438															
10	427	426	430	429															
15	412	411	418	416															
20	392	391	400	398															
25	369	367	378	375															
30	341	339	351	348															
35	311	308	322	317															
40	278	275	290	285															
45	240	238	255	248															
50	201	200	216	209															
55	160	160	177	169															
60	118	119	135	128															
65	77.4	80.1	94.2	87.6															
70	41.5	44.3	55.7	50.6															
75	18.1	20.3	25.2	22.5															
80	10.3	11.0	10.2	9.45															
85	5.07	5.52	5.14	4.13															
90	3.80	3.78	1.38	1.27															
95	3.80	3.77	1.44	1.43															
100	3.79	3.77	1.63	1.62															
105	3.80	3.78	1.85	1.83															
110	3.81	3.80	2.07	2.05															
115	3.85	3.84	2.31	2.29															
120	3.92	3.89	2.54	2.52															
125	3.99	3.96	2.78	2.75															
130	4.07	4.04	3.01	2.98															
135	4.17	4.13	3.24	3.21															
140	4.29	4.24	3.47	3.45															
145	4.41	4.37	3.70	3.68															
150	4.55	4.52	3.94	3.92															
155	4.71	4.69	4.19	4.18															
160	4.86	4.86	4.44	4.43															
165	4.99	5.01	4.67	4.68															
170	5.09	5.12	4.88	4.89															
175	5.16	5.19	5.05	5.07															
180	5.16	5.18	5.16	5.18															

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

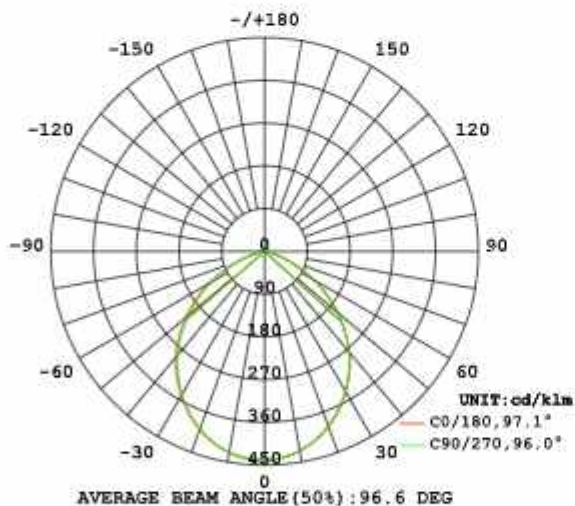
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

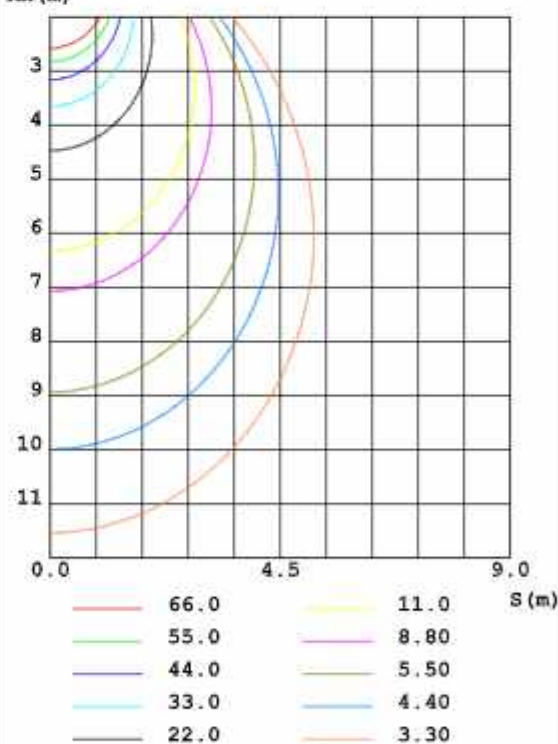
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 133.84 lm/W
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.7	S/MH (C0/180)	1.16	
NOMINAL POWER (W)	32	LOR (%)	100.0	S/MH (C90/270)	1.16	
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	1.3, 47.8	
NOMINAL FLUX (lm)	3747.64	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1	
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	121.6	η down (%)	97.9	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



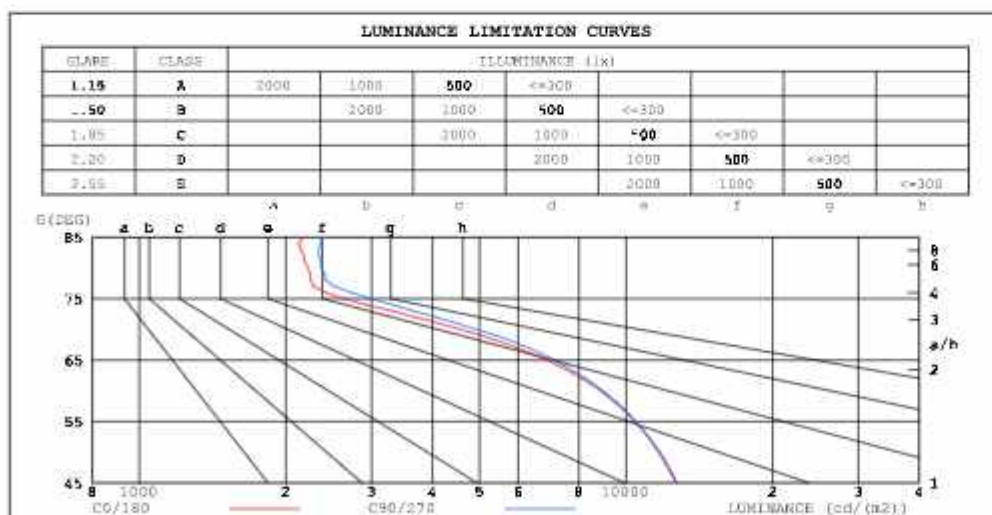
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.8	426.2	430.5	429.6					0- 10	41.42	41.42	4.14, 4.14
20	392.6	391.5	399.7	398.0					10- 20	116.7	158.1	15.8, 15.8
30	341.1	339.1	351.2	347.7					20- 30	171.2	329.3	32.9, 32.9
40	277.7	275.5	290.1	284.7					30- 40	196.6	525.9	52.6, 52.6
50	201.0	199.9	216.0	208.7					40- 50	188.9	714.8	71.5, 71.5
60	118.1	119.5	135.2	127.6					50- 60	148.2	863.0	86.3, 86.3
70	41.68	44.80	55.74	50.80					60- 70	84.33	947.3	94.7, 94.7
80	10.29	10.95	10.26	9.438					70- 80	25.61	973.0	97.3, 97.3
90	3.788	3.765	1.371	1.259					80- 90	5.935	978.9	97.9, 97.9
100	3.778	3.761	1.619	1.609					90-100	2.838	981.7	98.2, 98.2
110	3.799	3.785	2.057	2.043					100-110	2.962	984.7	98.5, 98.5
120	3.903	3.881	2.533	2.510					110-120	3.036	987.7	98.8, 98.8
130	4.061	4.020	2.999	2.965					120-130	3.010	990.7	99.1, 99.1
140	4.273	4.226	3.458	3.426					130-140	2.843	993.6	99.4, 99.4
150	4.540	4.509	3.928	3.908					140-150	2.526	996.1	99.6, 99.6
160	4.847	4.841	4.418	4.423					150-160	2.043	998.2	99.8, 99.8
170	5.077	5.105	4.866	4.872					160-170	1.360	999.5	100, 100
180	5.144	5.167	5.144	5.164					170-180	0.4831	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/(m²)		
G(DEG)	C0/180	C90/270
85	2174	2370
80	2221	2364
75	2633	2985
70	4567	4909
65	6871	7112
60	8852	8953
55	10446	10449
50	11719	11654
45	12732	12646

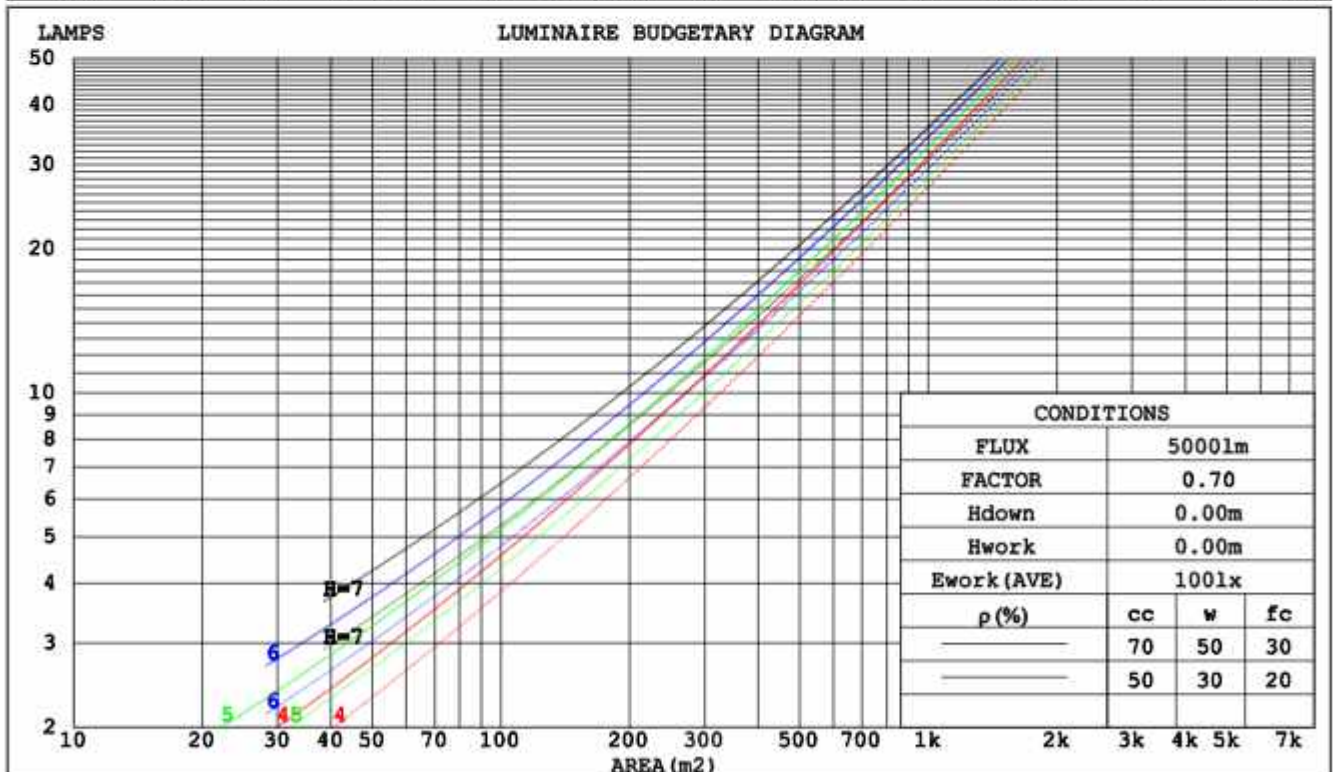
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.41	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.222	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.079	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.154	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.130	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.117	.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: 8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						
x = 2H y = 2H						Viewed endwise						
3H						15.9	17.2	16.2	17.5	17.7	15.9	17.3
4H						16.4	17.6	16.7	17.9	18.2	16.4	17.7
6H						16.4	17.6	16.7	17.9	18.1	16.5	17.7
8H						16.4	17.5	16.7	17.8	18.1	16.5	17.6
12H						16.4	17.4	16.7	17.7	18.0	16.4	17.5
						16.3	17.4	16.7	17.7	18.0	16.4	17.5
						16.3	17.3	16.7	17.7	18.0	16.4	17.4
4H 2H						16.2	17.4	16.5	17.6	17.9	16.2	17.4
3H						16.7	17.8	17.1	18.1	18.4	16.8	17.8
4H						16.8	17.7	17.2	18.1	18.5	16.9	17.8
6H						16.8	17.6	17.2	18.0	18.4	16.9	17.7
8H						16.8	17.6	17.3	18.0	18.4	16.9	17.7
12H						16.8	17.5	17.3	17.9	18.4	16.9	17.6
8H 4H						16.8	17.5	17.2	17.9	18.3	16.8	17.6
6H						16.8	17.4	17.3	17.9	18.3	16.9	17.5
8H						16.8	17.4	17.3	17.9	18.3	16.9	17.5
12H						16.9	17.3	17.4	17.8	18.3	17.0	17.4
12H 4H						16.7	17.4	17.2	17.8	18.3	16.8	17.5
6H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
8H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
Variations with the observer position at spacings:												
S = 1.0H		+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H		+ 0.2 / - 0.5					+ 0.2 / - 0.5					
2.0H		+ 0.9 / - 1.0					+ 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

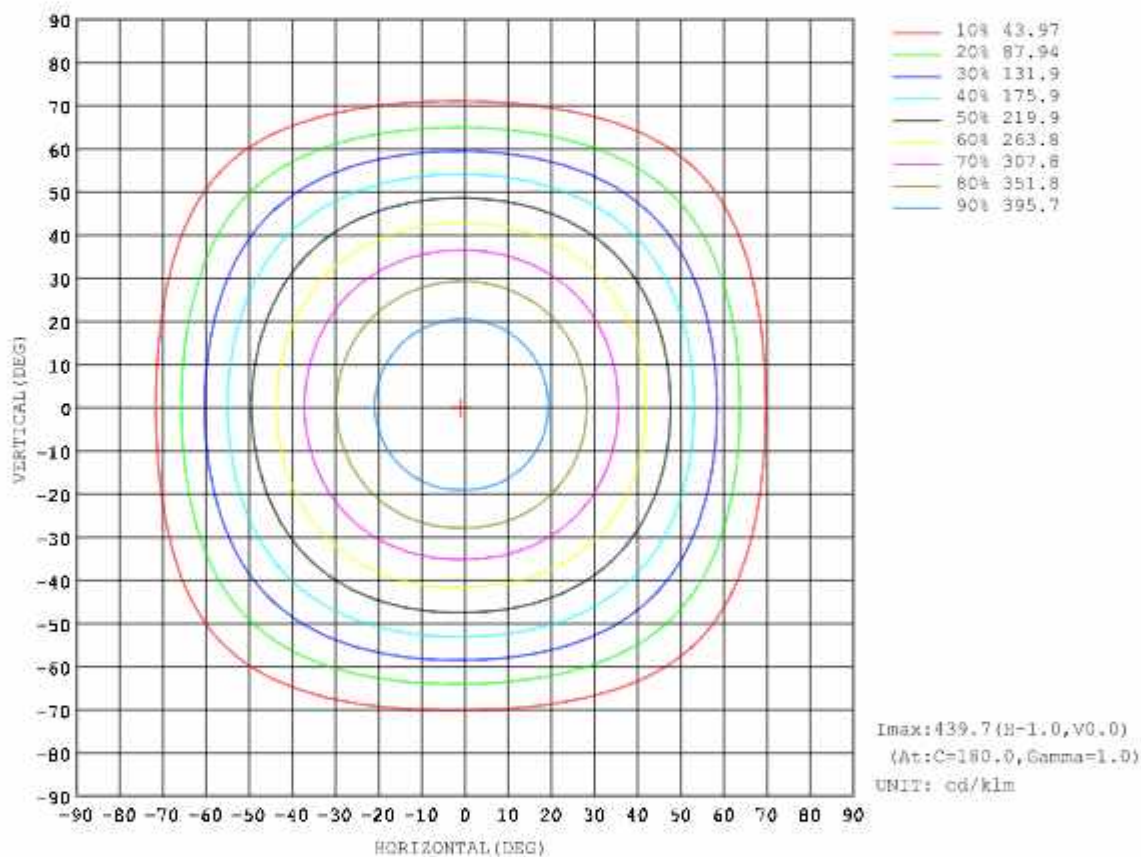
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	55	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	87	78
3.00	105	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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

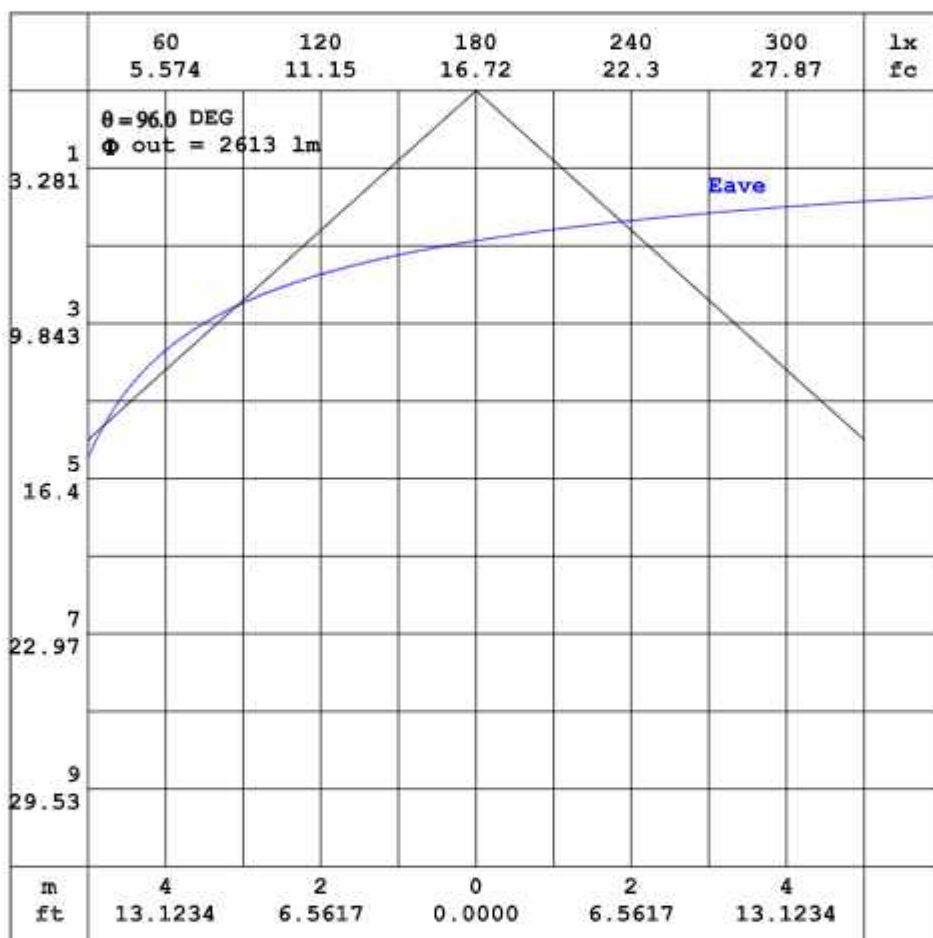


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



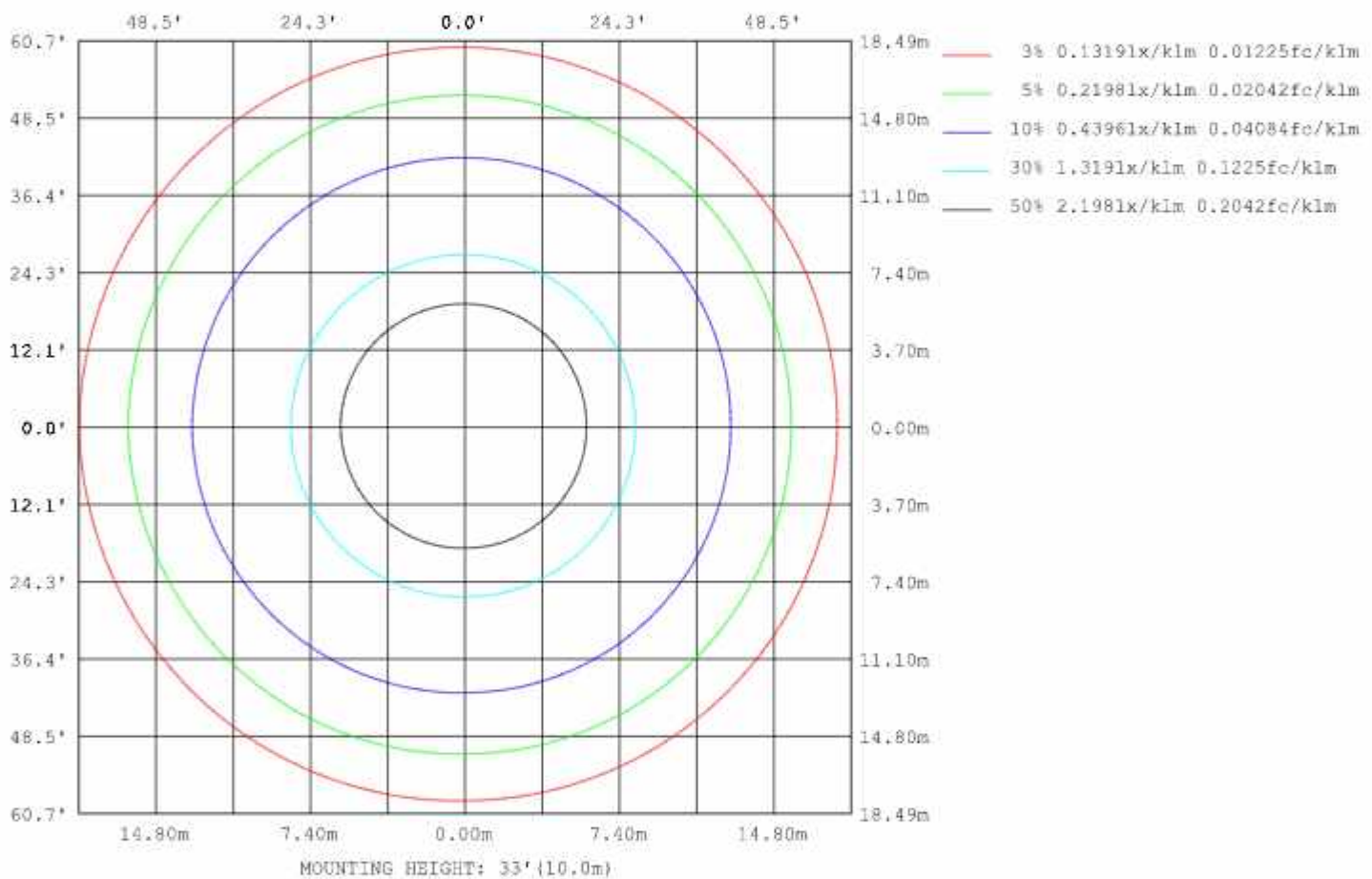
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

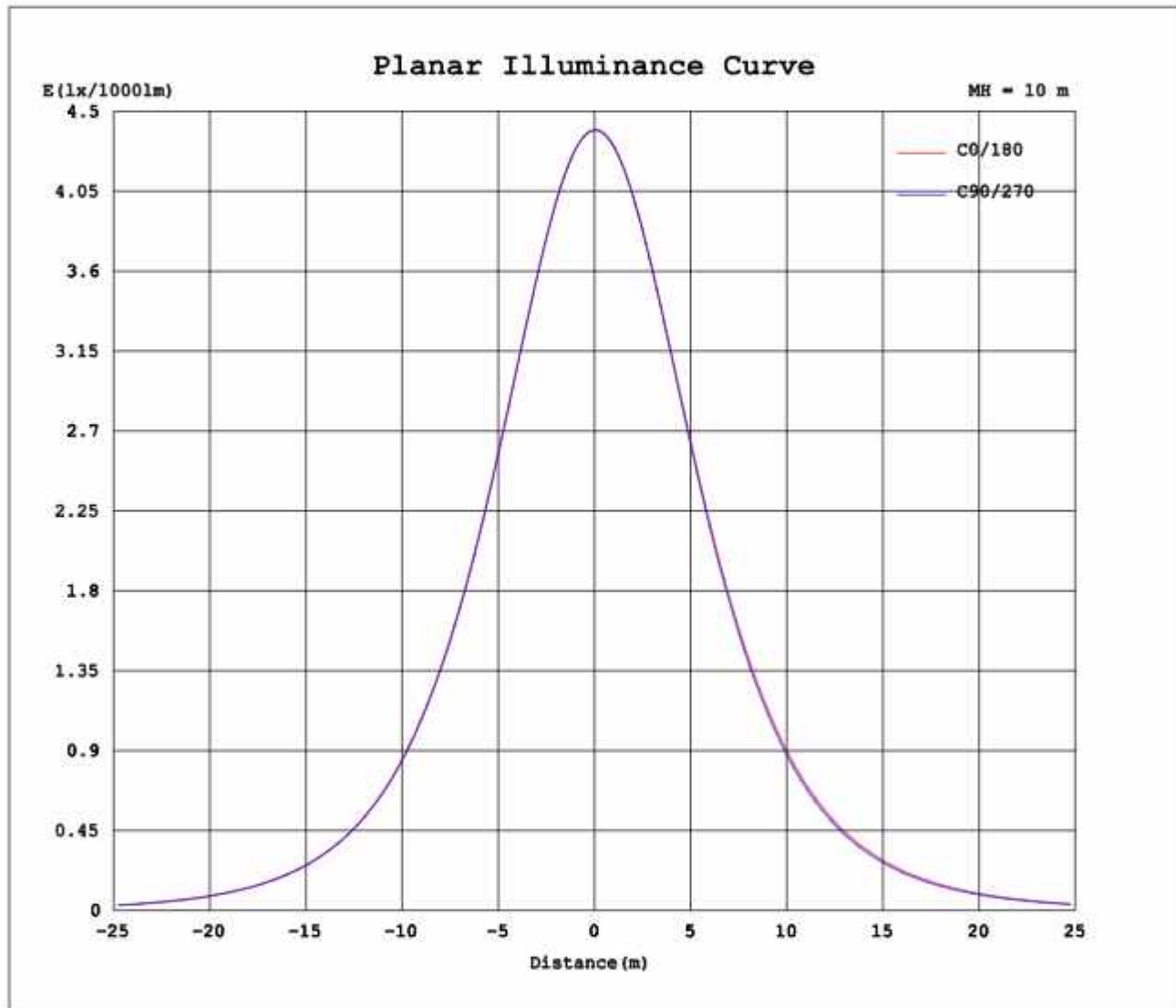
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C (DEG) γ (DEG)	0	90	180	270															
0	440	440	440	440															
5	436	436	438	437															
10	427	426	430	430															
15	412	411	417	416															
20	393	392	400	398															
25	369	367	378	375															
30	341	339	351	348															
35	311	308	322	317															
40	278	275	290	285															
45	240	239	255	248															
50	201	200	216	209															
55	160	160	176	169															
60	118	119	135	128															
65	77.5	80.2	94.1	87.6															
70	41.7	44.8	55.7	50.8															
75	18.2	20.6	25.3	22.6															
80	10.3	11.0	10.3	9.44															
85	5.06	5.51	5.13	4.11															
90	3.79	3.77	1.37	1.26															
95	3.78	3.76	1.43	1.42															
100	3.78	3.76	1.62	1.61															
105	3.78	3.76	1.83	1.82															
110	3.80	3.78	2.06	2.04															
115	3.84	3.82	2.29	2.27															
120	3.90	3.88	2.53	2.51															
125	3.98	3.95	2.77	2.74															
130	4.06	4.02	3.00	2.97															
135	4.16	4.11	3.23	3.20															
140	4.27	4.23	3.46	3.43															
145	4.40	4.35	3.69	3.66															
150	4.54	4.51	3.93	3.91															
155	4.69	4.68	4.18	4.16															
160	4.85	4.84	4.42	4.42															
165	4.97	4.99	4.66	4.66															
170	5.08	5.11	4.87	4.87															
175	5.15	5.18	5.04	5.05															
180	5.14	5.17	5.14	5.16															

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

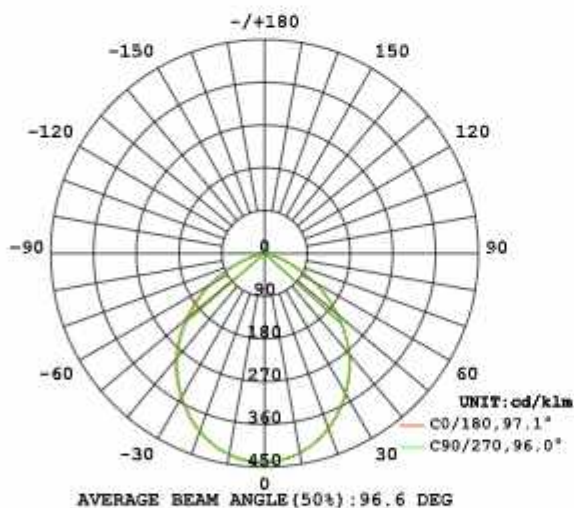
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

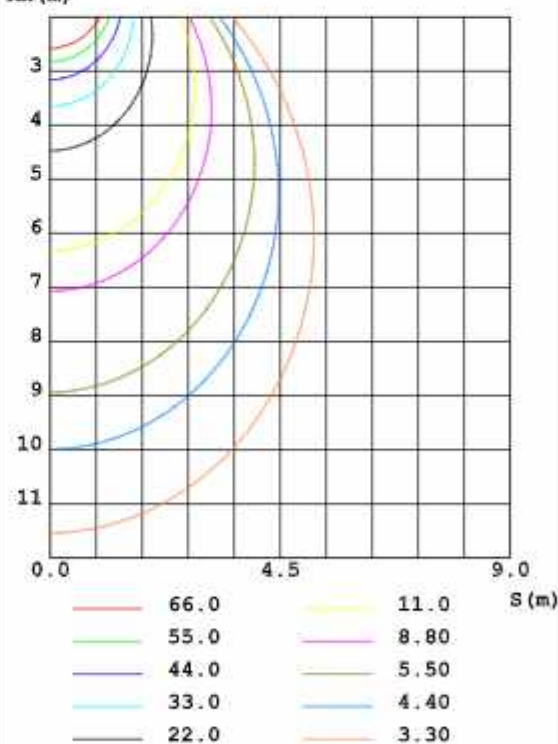
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.35 lm/W			
MODEL	8LMCT30LR05	I _{max} (cd/klm)	439.6	S/MH (C0/180)	1.16
NOMINAL POWER (W)	32	LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)	122	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	1.3, 47.8
NOMINAL FLUX (lm)	3901.38	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.1
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	121.6	η down (%)	97.9	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx/klm)



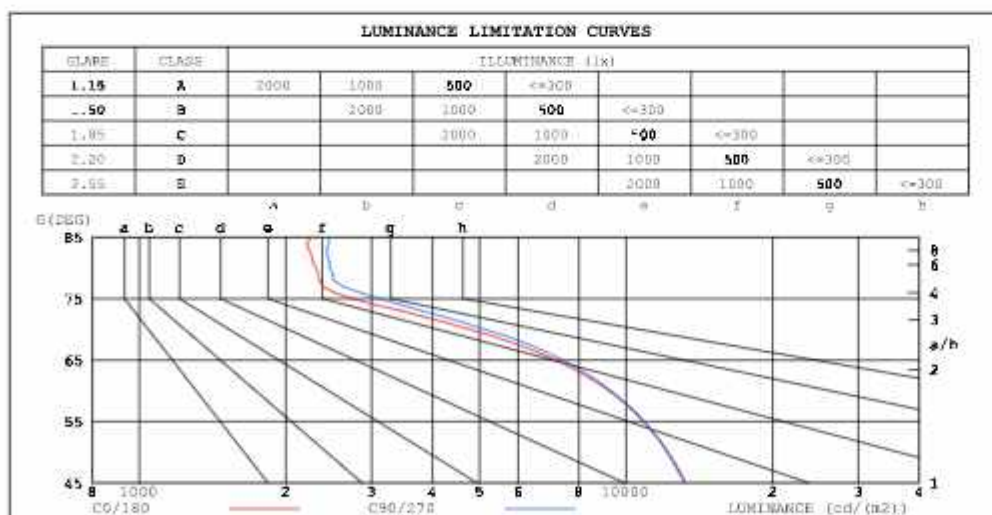
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.6	426.6	430.3	429.6					0- 10	41.42	41.42	4.14, 4.14
20	392.6	391.6	399.7	398.1					10- 20	116.7	158.1	15.8, 15.8
30	341.5	339.1	351.2	347.8					20- 30	171.2	329.4	32.9, 32.9
40	277.9	275.6	289.9	284.8					30- 40	196.6	526.0	52.6, 52.6
50	201.1	199.8	215.9	208.7					40- 50	188.9	714.9	71.5, 71.5
60	118.1	119.3	135.0	127.5					50- 60	148.2	863.0	86.3, 86.3
70	41.91	44.92	55.69	50.99					60- 70	84.35	947.4	94.7, 94.7
80	10.28	10.94	10.23	9.438					70- 80	25.67	973.0	97.3, 97.3
90	3.776	3.758	1.356	1.251					80- 90	5.922	979.0	97.9, 97.9
100	3.767	3.747	1.608	1.599					90-100	2.827	981.8	98.2, 98.2
110	3.786	3.776	2.054	2.034					100-110	2.953	984.7	98.5, 98.5
120	3.890	3.870	2.528	2.502					110-120	3.027	987.8	98.8, 98.8
130	4.048	4.013	2.992	2.962					120-130	3.003	990.8	99.1, 99.1
140	4.262	4.219	3.450	3.422					130-140	2.837	993.6	99.4, 99.4
150	4.529	4.498	3.920	3.899					140-150	2.521	996.1	99.6, 99.6
160	4.835	4.831	4.413	4.412					150-160	2.039	998.2	99.8, 99.8
170	5.066	5.099	4.857	4.861					160-170	1.357	999.5	100, 100
180	5.137	5.155	5.139	5.159					170-180	0.4821	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/ (m²)		
G (DEG)	C0/180	C90/270
85	2259	2461
80	2309	2458
75	2744	3113
70	4780	5124
65	7170	7413
60	9217	9309
55	10869	10872
50	12203	12125
45	13266	13182

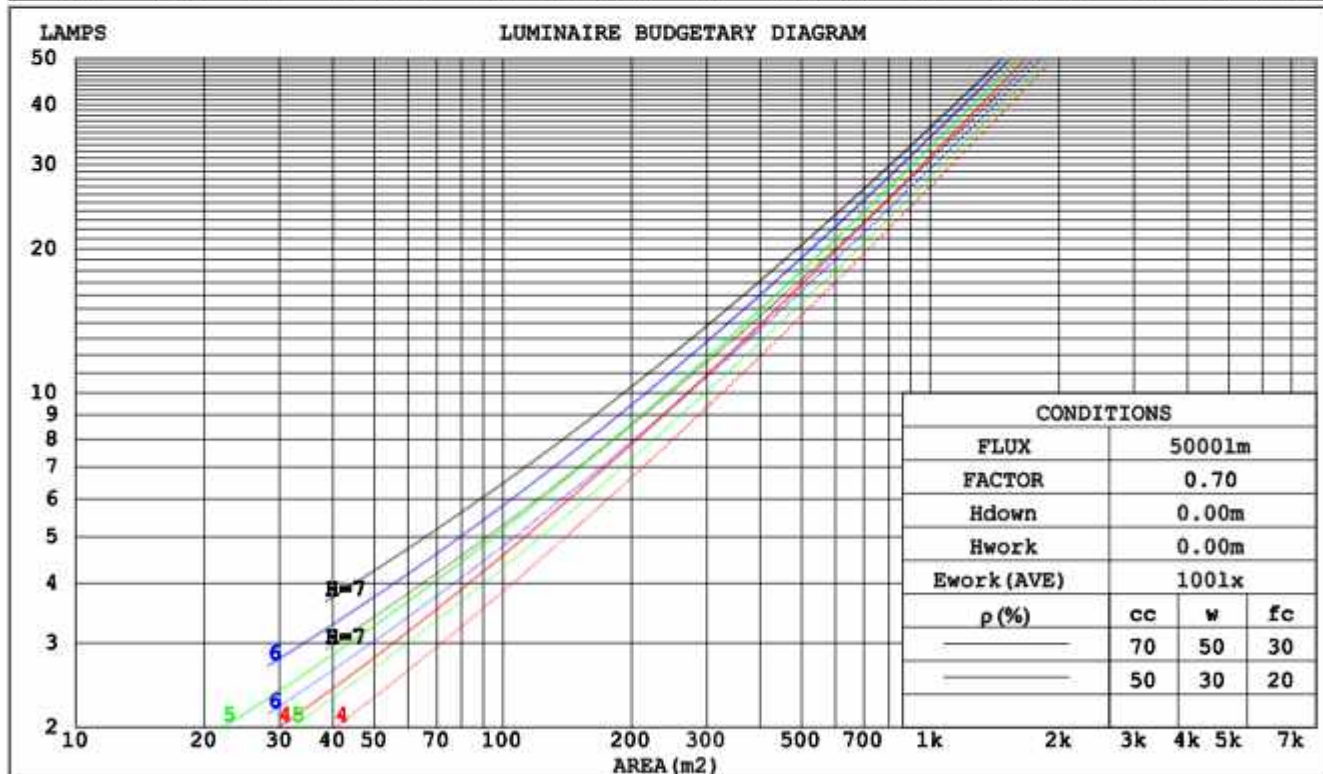
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.41	.50	.44	.40	.38
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040		
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.222	.125	.039	.212	.120	.038		
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035		
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032		
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029		
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027		
7.0	.185	.092	.026	.182	.090	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023		
9.0	.164	.079	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021		
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.154	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.130	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.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	.037	.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: 8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						
x = 2H y = 2H						Viewed endwise						
3H						15.9	17.2	16.2	17.5	17.7	15.9	17.3
4H						16.4	17.6	16.7	17.9	18.2	16.4	17.7
6H						16.4	17.6	16.7	17.9	18.2	16.5	17.7
8H						16.4	17.5	16.7	17.8	18.1	16.5	17.6
12H						16.4	17.4	16.7	17.7	18.1	16.4	17.5
						16.3	17.4	16.7	17.7	18.1	16.4	17.5
						16.3	17.3	16.7	17.7	18.0	16.4	17.4
4H 2H						16.2	17.4	16.5	17.6	17.9	16.2	17.4
3H						16.7	17.8	17.1	18.1	18.4	16.8	17.8
4H						16.8	17.7	17.2	18.1	18.5	16.9	17.8
6H						16.8	17.6	17.2	18.0	18.4	16.9	17.7
8H						16.8	17.6	17.3	18.0	18.4	16.9	17.7
12H						16.8	17.5	17.3	17.9	18.4	16.9	17.6
8H 4H						16.8	17.5	17.2	17.9	18.3	16.8	17.6
6H						16.8	17.4	17.3	17.9	18.3	16.9	17.5
8H						16.9	17.4	17.3	17.9	18.3	16.9	17.5
12H						16.9	17.3	17.4	17.8	18.3	17.0	17.4
12H 4H						16.7	17.4	17.2	17.8	18.3	16.8	17.5
6H						16.8	17.3	17.3	17.8	18.3	16.9	17.4
8H						16.8	17.3	17.4	17.8	18.3	16.9	17.4
Variations with the observer position at spacings:												
S = 1.0H			+ 0.5 / - 0.6				+ 0.5 / - 0.6					
1.5H			+ 0.2 / - 0.5				+ 0.2 / - 0.5					
2.0H			+ 0.9 / - 1.0				+ 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

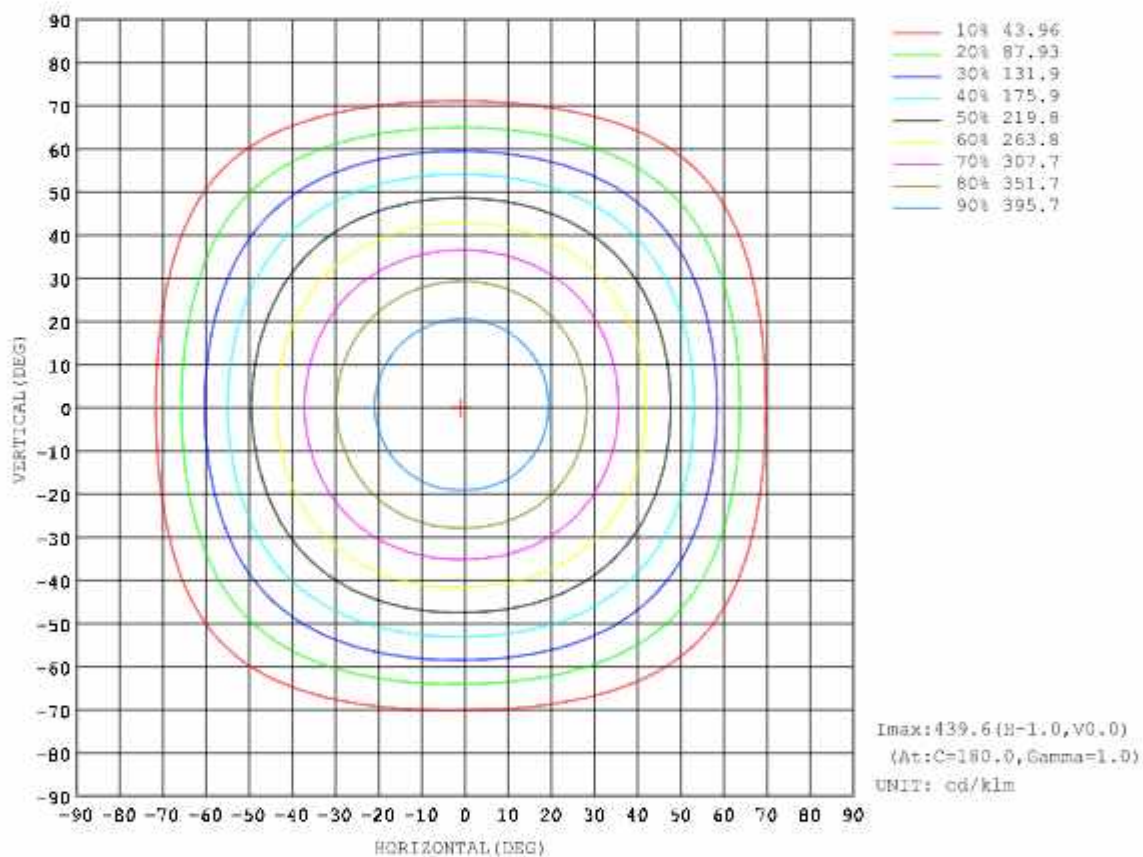
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	55	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	87	78
3.00	105	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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

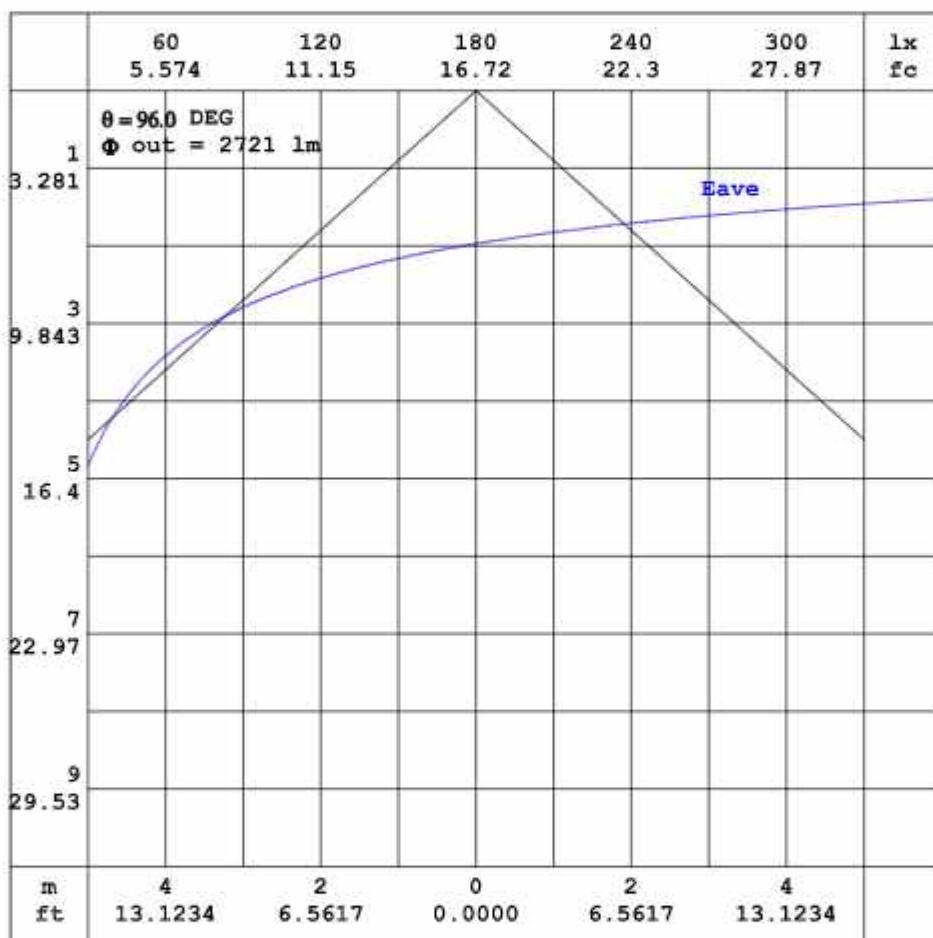


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



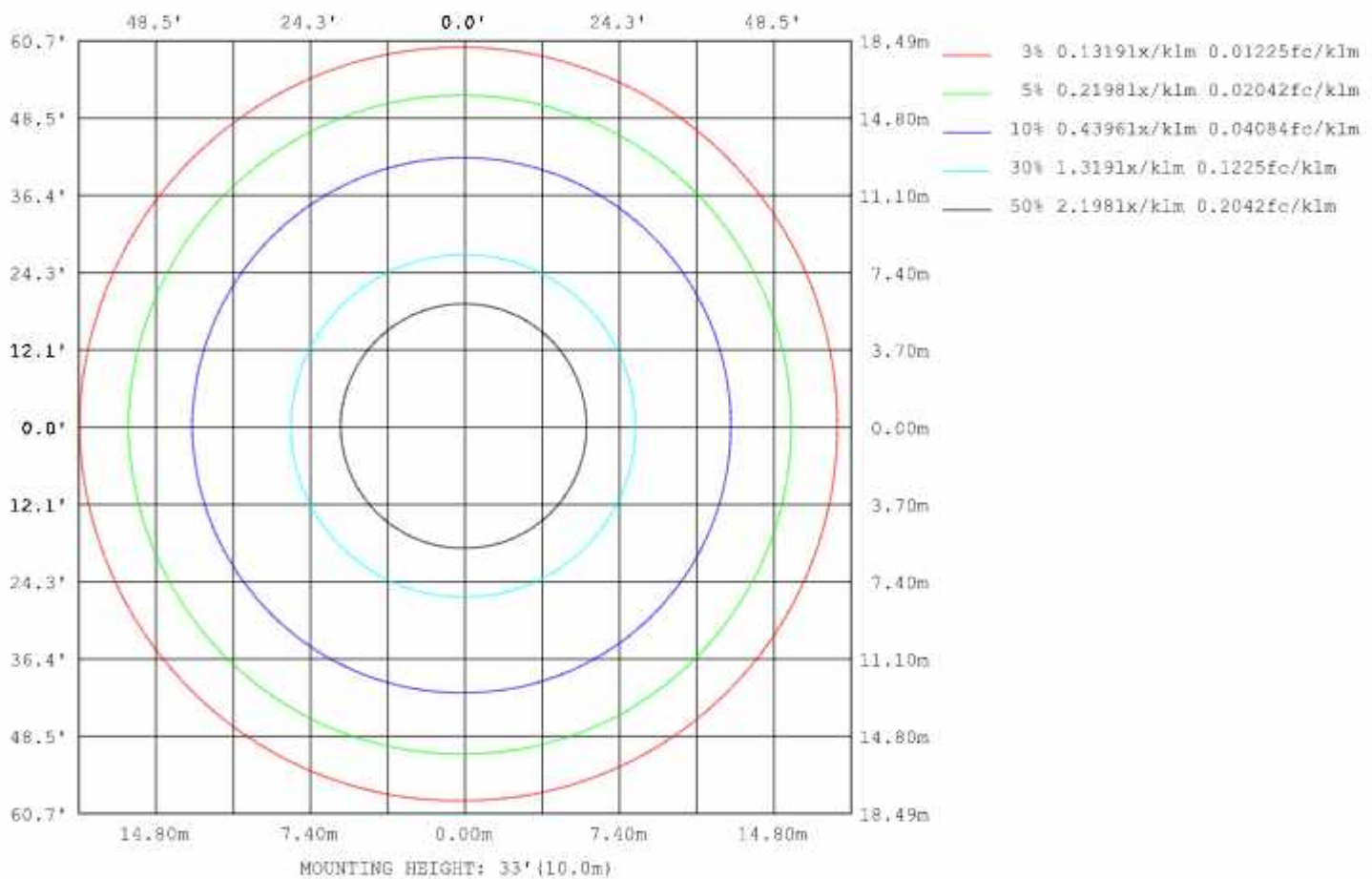
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

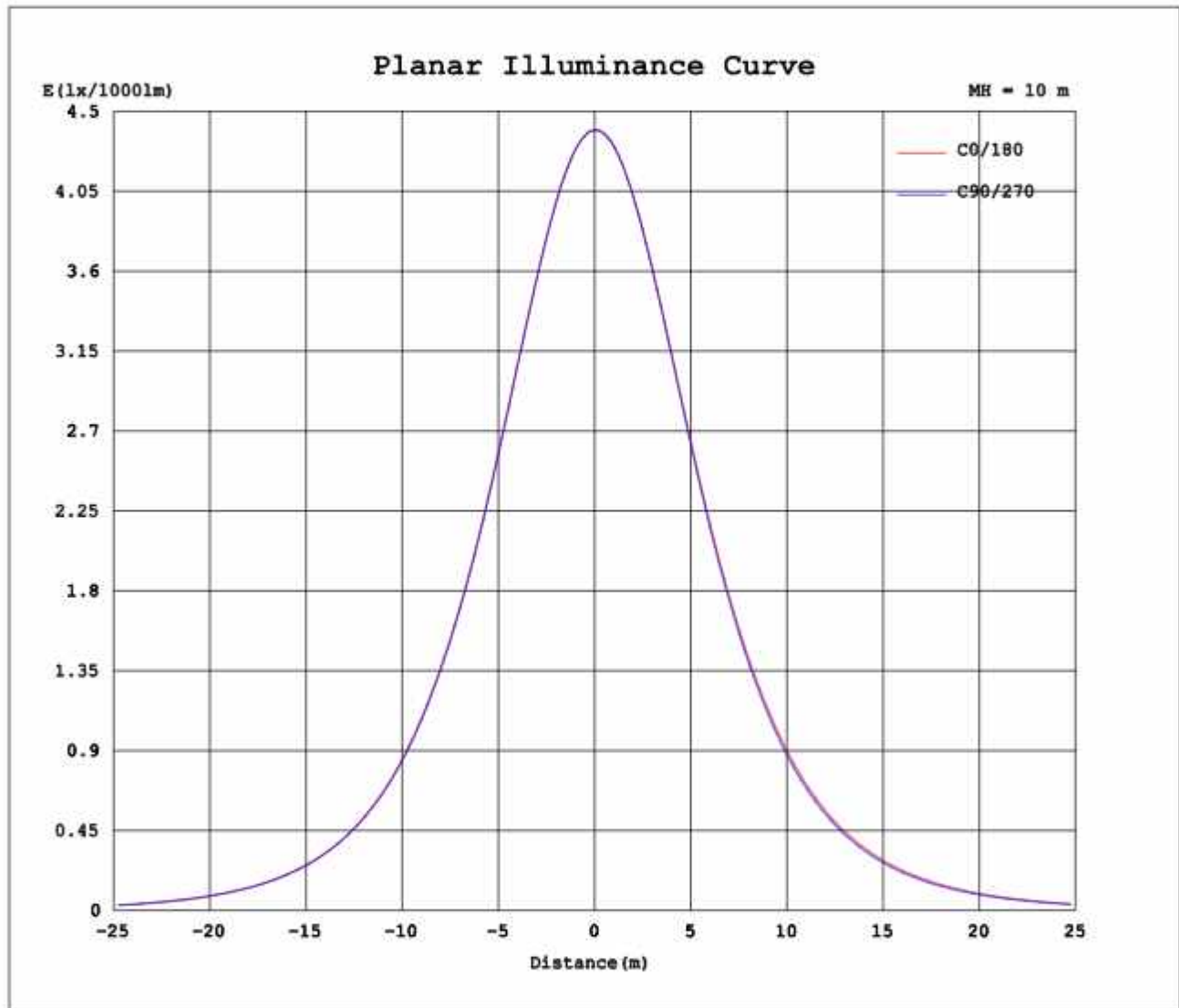
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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: 8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	440	440	440	440															
5	436	436	438	438															
10	427	427	430	430															
15	412	411	417	417															
20	393	392	400	398															
25	369	367	377	375															
30	342	339	351	348															
35	311	308	322	318															
40	278	276	290	285															
45	240	239	255	248															
50	201	200	216	209															
55	160	160	176	169															
60	118	119	135	128															
65	77.7	80.3	94.0	87.6															
70	41.9	44.9	55.7	51.0															
75	18.2	20.7	25.3	22.7															
80	10.3	10.9	10.2	9.44															
85	5.05	5.50	5.10	4.10															
90	3.78	3.76	1.36	1.25															
95	3.77	3.75	1.42	1.41															
100	3.77	3.75	1.61	1.60															
105	3.77	3.75	1.83	1.81															
110	3.79	3.78	2.05	2.03															
115	3.83	3.81	2.29	2.27															
120	3.89	3.87	2.53	2.50															
125	3.96	3.94	2.76	2.73															
130	4.05	4.01	2.99	2.96															
135	4.15	4.10	3.22	3.19															
140	4.26	4.22	3.45	3.42															
145	4.39	4.35	3.68	3.65															
150	4.53	4.50	3.92	3.90															
155	4.68	4.67	4.17	4.15															
160	4.83	4.83	4.41	4.41															
165	4.96	4.98	4.65	4.65															
170	5.07	5.10	4.86	4.86															
175	5.14	5.17	5.02	5.04															
180	5.14	5.16	5.14	5.16															

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

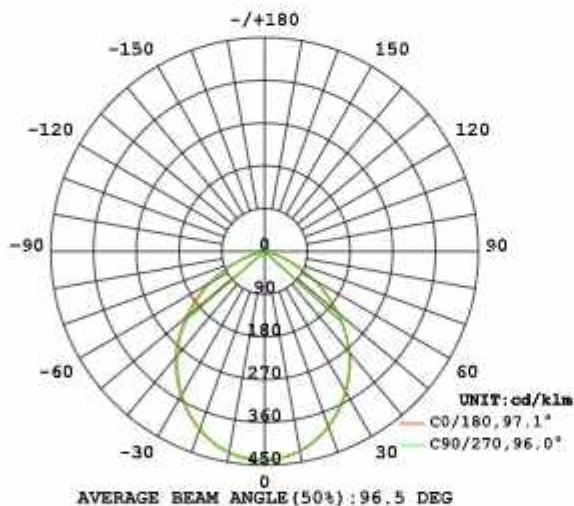
y Range: 0 - 180DEG
y Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

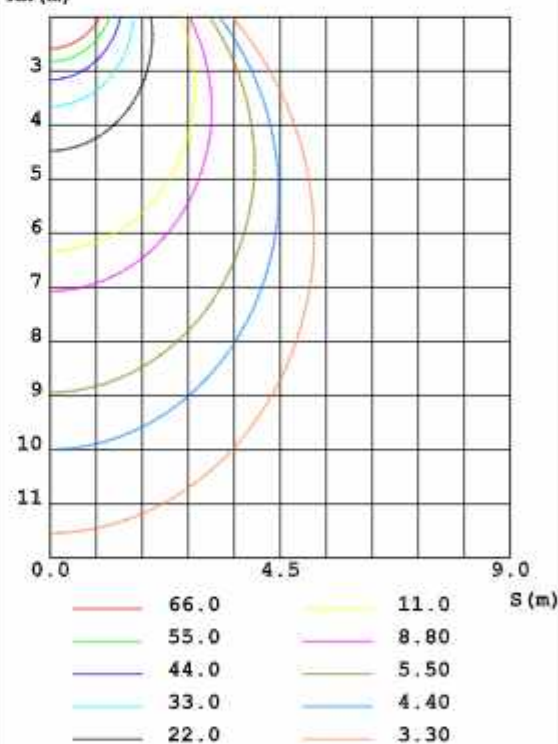
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 137.29 lm/W
MODEL	8LMCT30LR05	Imax(cd/klm)	440.0	S/MH(C0/180)	1.16	
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.16	
RATED VOLTAGE(V)	122	TOTAL FLUX(lm/klm)	1000.0	η UP,DN(C0-180)	1.3,47.8	
NOMINAL FLUX(lm)	3967.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,50.1	
LAMPS INSIDE	1	η up(%)	2.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	121.6	η down(%)	97.9	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx/klm)



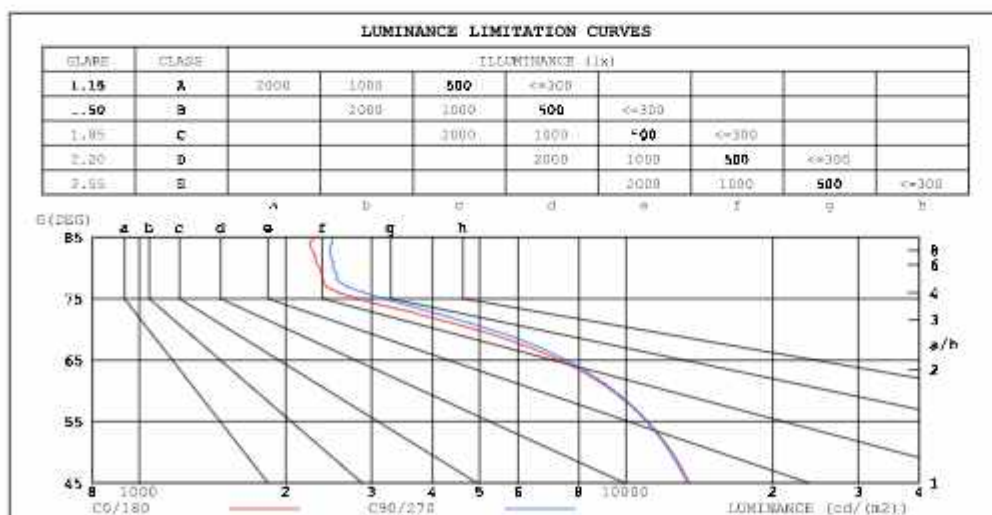
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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:

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Φ lum, lamp
10	426.9	425.9	430.8	429.2					0- 10	41.41	41.41	4.14, 4.14
20	393.0	391.2	400.2	397.6					10- 20	116.7	158.1	15.8, 15.8
30	341.8	338.9	351.5	347.5					20- 30	171.2	329.4	32.9, 32.9
40	278.2	275.4	290.4	284.6					30- 40	196.7	526.0	52.6, 52.6
50	201.0	199.5	216.0	208.4					40- 50	188.8	714.8	71.5, 71.5
60	118.1	119.1	134.9	127.4					50- 60	148.0	862.9	86.3, 86.3
70	42.19	45.18	56.18	51.25					60- 70	84.41	947.3	94.7, 94.7
80	10.27	10.93	10.27	9.432					70- 80	25.82	973.1	97.3, 97.3
90	3.770	3.748	1.358	1.246					80- 90	5.916	979.0	97.9, 97.9
100	3.759	3.738	1.607	1.595					90-100	2.821	981.8	98.2, 98.2
110	3.786	3.769	2.047	2.026					100-110	2.946	984.8	98.5, 98.5
120	3.890	3.862	2.519	2.490					110-120	3.020	987.8	98.8, 98.8
130	4.041	4.006	2.986	2.948					120-130	2.996	990.8	99.1, 99.1
140	4.252	4.209	3.442	3.408					130-140	2.829	993.6	99.4, 99.4
150	4.518	4.490	3.915	3.884					140-150	2.515	996.1	99.6, 99.6
160	4.828	4.820	4.407	4.403					150-160	2.035	998.2	99.8, 99.8
170	5.056	5.088	4.851	4.851					160-170	1.354	999.5	100, 100
180	5.125	5.148	5.131	5.136					170-180	0.4814	1000	100, 100
DEG	LUMINOUS INTENSITY: cd/klm									UNIT: lm/klm		



LUMINANCE cd/(m²)		
G(DEG)	C0/180	C90/270
85	2290	2496
80	2347	2498
75	2800	3175
70	4894	5241
65	7304	7533
60	9371	9449
55	11050	11023
50	12409	12312
45	13495	13381

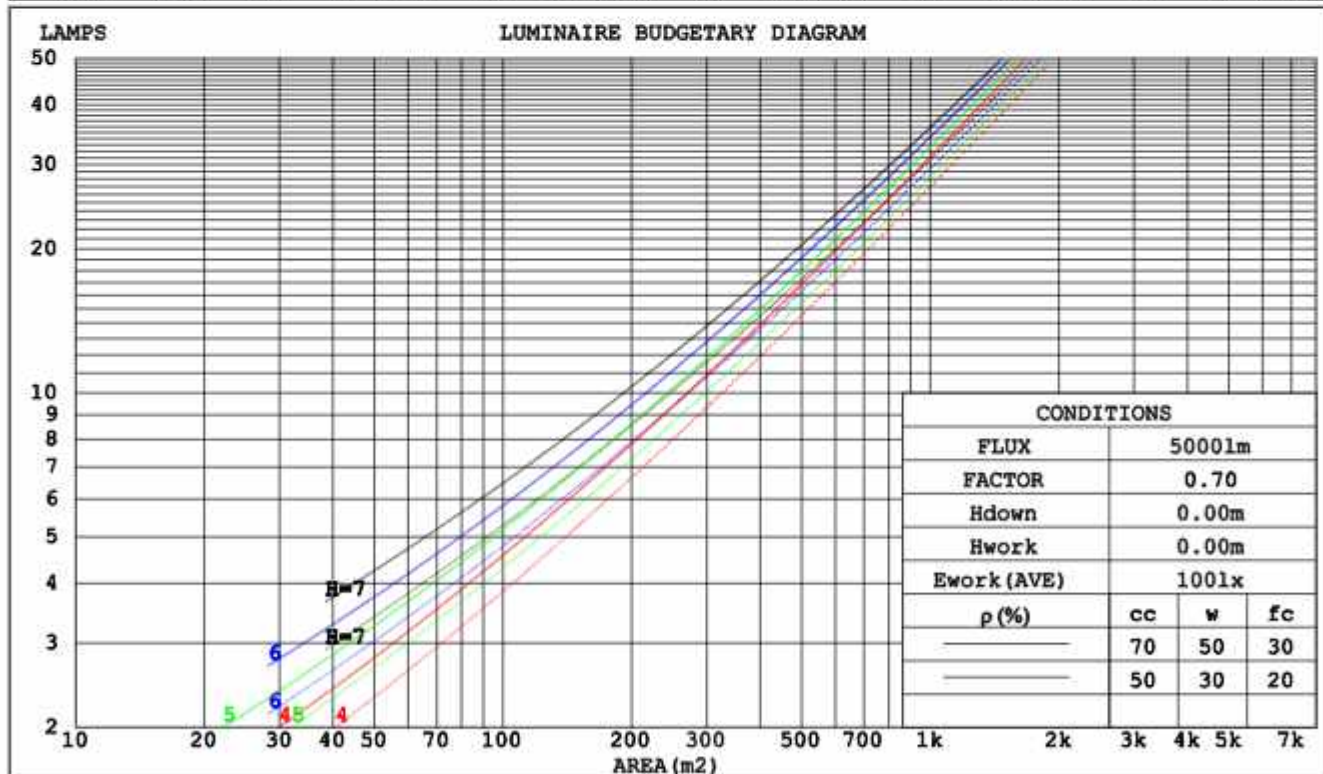
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-15

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: 8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	.93	.91	.91	.89	.88	.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	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55	
5.0	.67	.59	.53	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.55	.50	.48	
6.0	.61	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43	
7.0	.56	.47	.42	.55	.47	.41	.53	.46	.41	.51	.45	.41	.50	.44	.40	.38	
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	.34	
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31	
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.34	.30	.40	.34	.30	.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: 8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	.261	.149	.047	.254	.145	.046	.239	.137	.044	.226	.131	.042	.214	.124	.040	
2.0	.253	.139	.043	.246	.136	.042	.234	.130	.040	.223	.125	.039	.212	.120	.038	
3.0	.239	.127	.038	.234	.125	.038	.223	.121	.037	.212	.116	.036	.203	.112	.035	
4.0	.225	.117	.034	.220	.115	.034	.210	.111	.033	.201	.108	.033	.192	.104	.032	
5.0	.211	.107	.031	.206	.106	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029	
6.0	.197	.099	.028	.193	.098	.028	.185	.095	.028	.178	.093	.027	.171	.090	.027	
7.0	.185	.092	.026	.182	.091	.026	.175	.088	.025	.168	.086	.025	.162	.084	.025	
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.023	.159	.080	.023	.153	.079	.023	
9.0	.164	.080	.022	.161	.079	.022	.156	.077	.022	.150	.075	.022	.145	.074	.021	
10.0	.155	.074	.021	.153	.074	.021	.147	.072	.020	.142	.071	.020	.138	.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	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.193	.173	.154	.165	.148	.133	.113	.102	.092	.065	.059	.053	.021	.019	.017	
2.0	.183	.148	.119	.157	.128	.103	.108	.088	.072	.062	.051	.042	.020	.017	.014	
3.0	.175	.130	.095	.150	.113	.082	.103	.078	.058	.059	.046	.034	.019	.015	.011	
4.0	.167	.117	.078	.144	.101	.068	.099	.070	.048	.057	.041	.028	.018	.013	.009	
5.0	.160	.106	.067	.137	.092	.058	.095	.064	.041	.055	.038	.024	.018	.012	.008	
6.0	.153	.098	.058	.132	.085	.050	.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	.037	.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: 8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	2H	15.9	17.2	16.2	17.5	17.7	15.9	17.2	16.2	17.5	17.7
	3H	16.4	17.6	16.7	17.9	18.2	16.4	17.7	16.8	17.9	18.2
	4H	16.4	17.6	16.7	17.9	18.2	16.5	17.7	16.8	17.9	18.2
	6H	16.4	17.5	16.7	17.8	18.1	16.5	17.6	16.8	17.9	18.2
	8H	16.3	17.4	16.7	17.7	18.1	16.4	17.5	16.8	17.8	18.1
	12H	16.3	17.3	16.7	17.7	18.0	16.4	17.4	16.8	17.8	18.1
4H	2H	16.2	17.4	16.5	17.6	17.9	16.2	17.4	16.5	17.6	17.9
	3H	16.8	17.8	17.1	18.1	18.4	16.8	17.8	17.2	18.2	18.5
	4H	16.8	17.7	17.2	18.1	18.5	16.9	17.8	17.3	18.2	18.5
	6H	16.8	17.6	17.2	18.0	18.4	16.9	17.7	17.3	18.1	18.5
	8H	16.8	17.6	17.3	18.0	18.4	16.9	17.7	17.4	18.1	18.5
	12H	16.8	17.5	17.3	17.9	18.4	16.9	17.6	17.4	18.0	18.5
8H	4H	16.8	17.5	17.2	17.9	18.4	16.8	17.6	17.3	18.0	18.4
	6H	16.8	17.5	17.3	17.9	18.4	16.9	17.5	17.4	18.0	18.4
	8H	16.9	17.4	17.3	17.9	18.4	16.9	17.5	17.4	18.0	18.4
	12H	16.9	17.3	17.4	17.8	18.3	17.0	17.4	17.5	17.9	18.4
12H	4H	16.7	17.4	17.2	17.8	18.3	16.8	17.5	17.3	17.9	18.4
	6H	16.8	17.4	17.3	17.8	18.3	16.9	17.4	17.4	17.9	18.4
	8H	16.8	17.3	17.4	17.8	18.3	16.9	17.4	17.4	17.9	18.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5					
2.0H	+ 0.9 / - 1.0					+ 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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

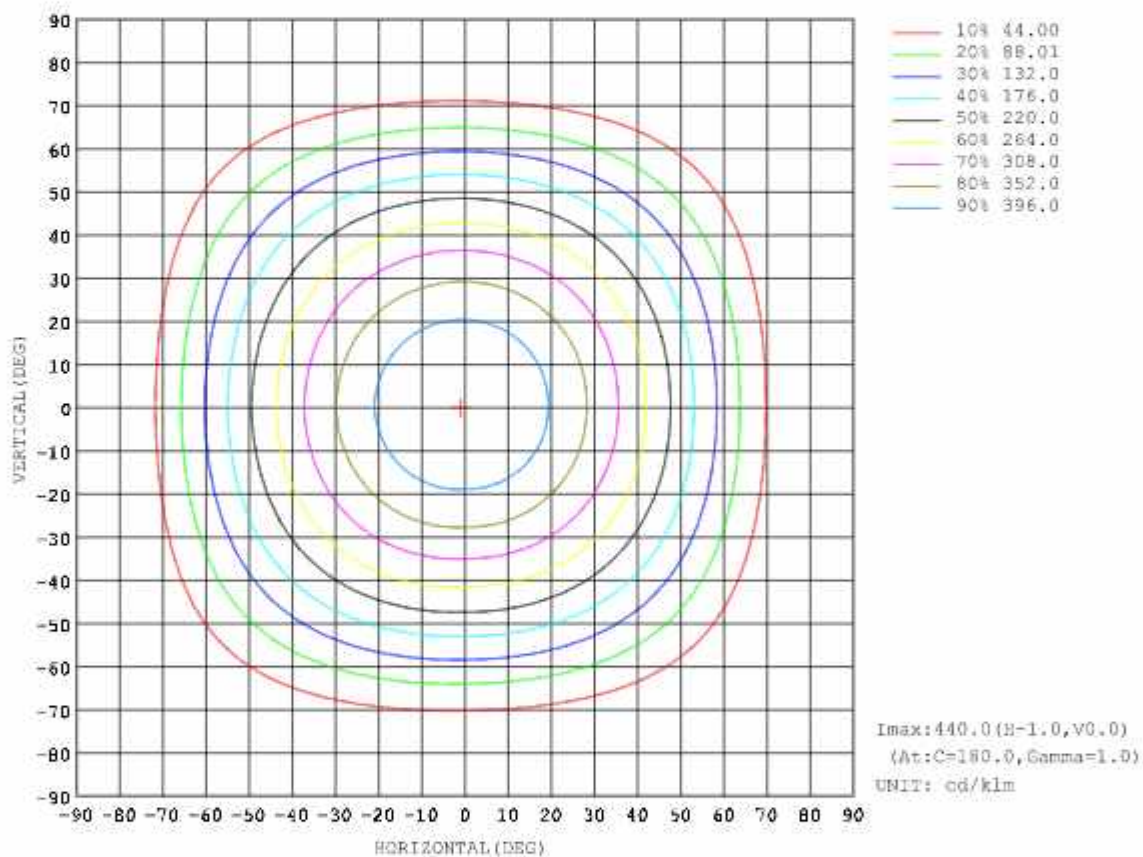
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	62	51	44	61	51	44	60	50	44	38
0.80	72	61	55	71	61	55	69	60	54	48
1.00	80	71	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	83	77	90	82	77	87	81	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	99	93	89	96	91	87	78
3.00	105	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: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:

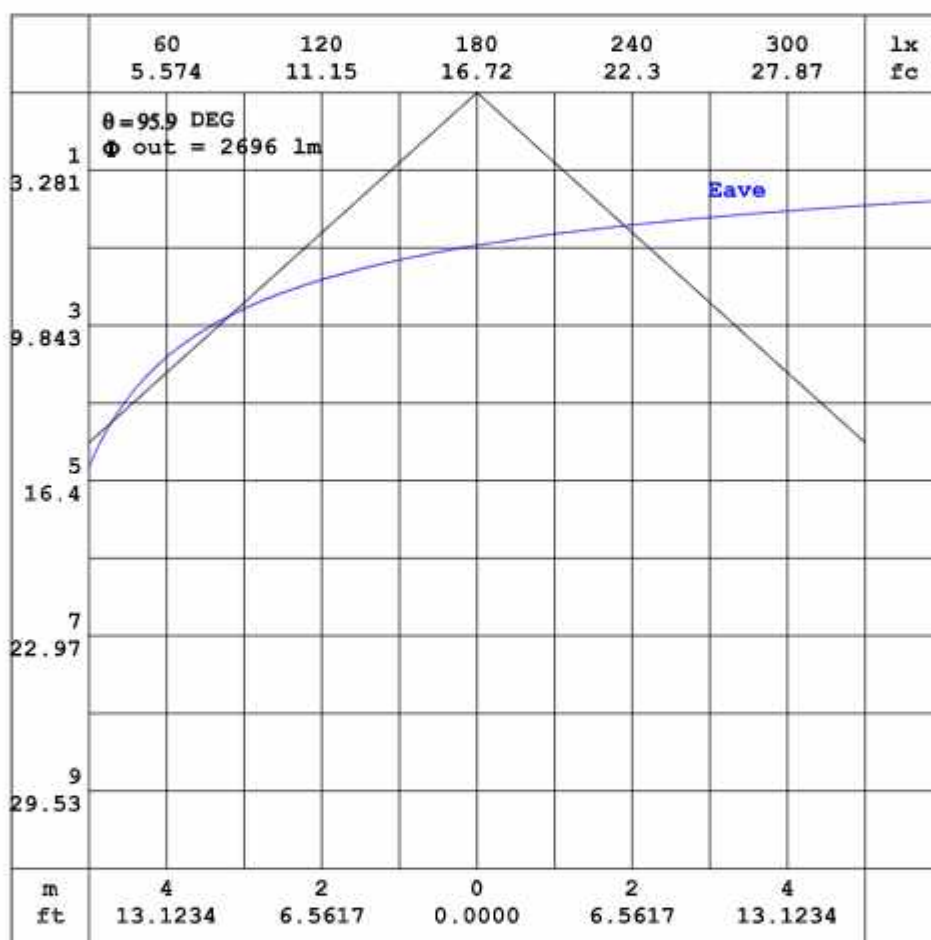


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-15

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: 8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

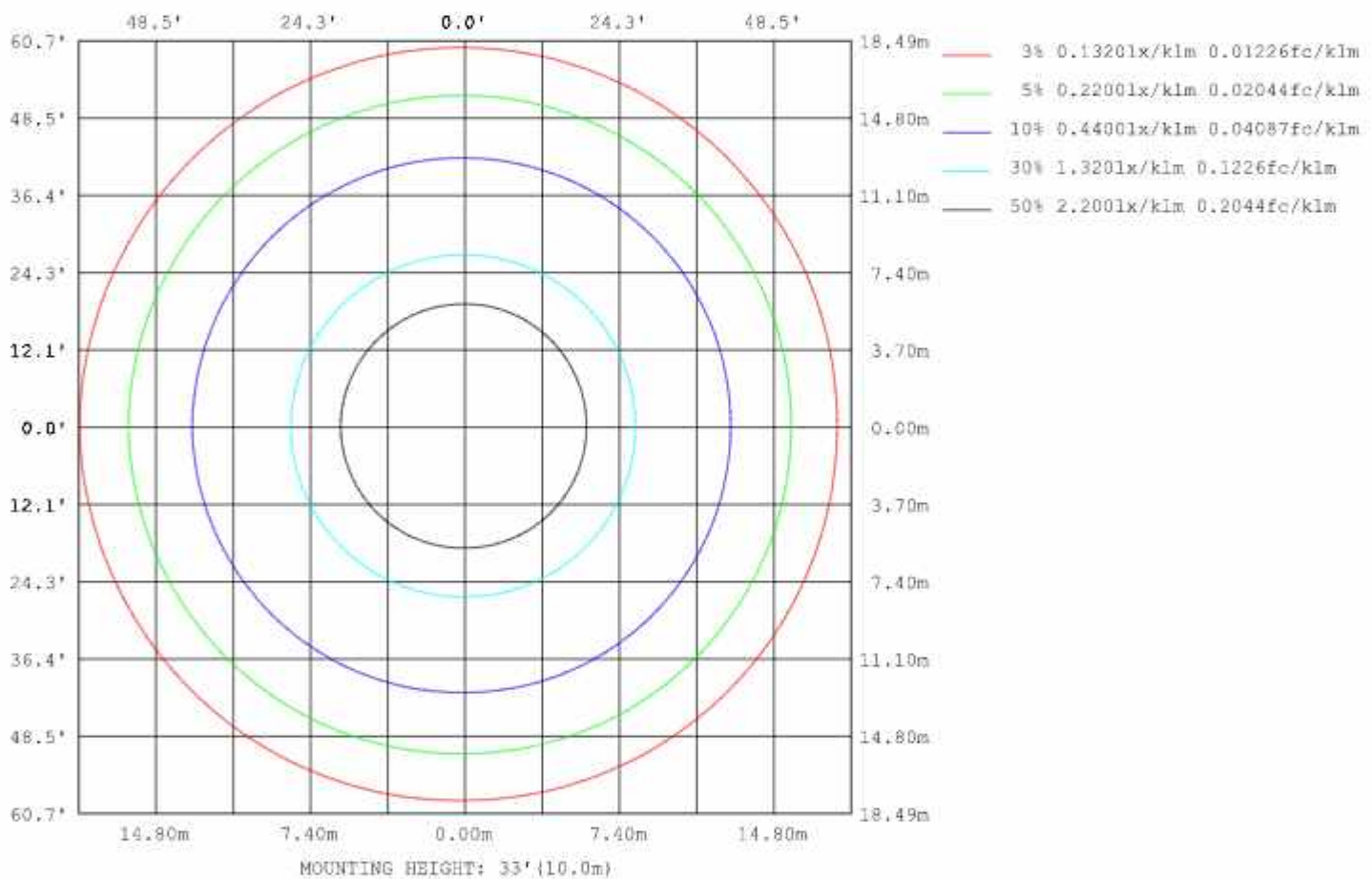
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.500m [K=1.0000]
Remarks:

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ISOLUX DIAGRAM

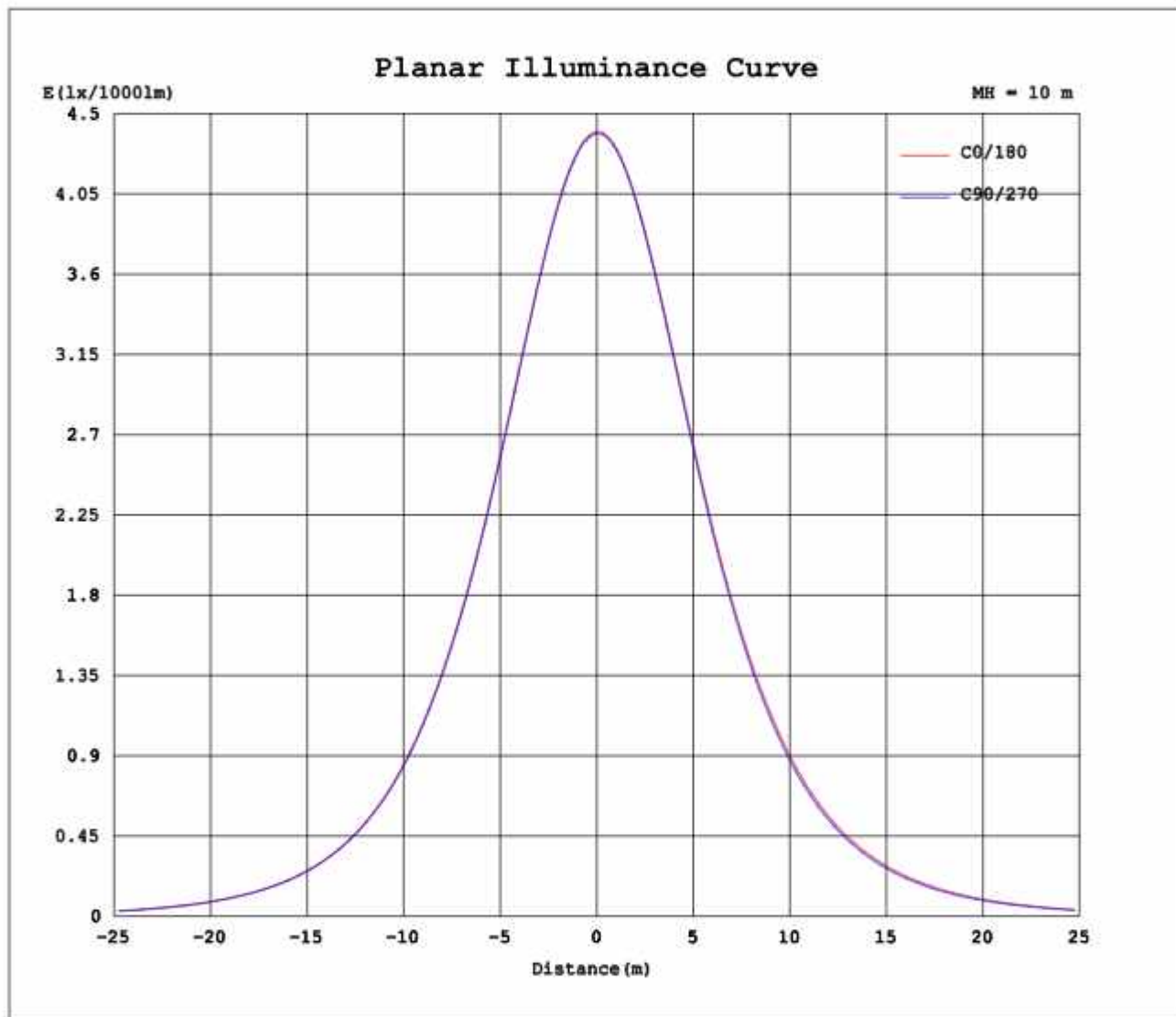
NAME: 8寸商照	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: HXD	SUR.:	PROTECTION ANGLE:



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 8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	440	439	440	439															
5	436	435	438	437															
10	427	426	431	429															
15	412	411	418	416															
20	393	391	400	398															
25	369	367	378	375															
30	342	339	352	347															
35	311	308	322	317															
40	278	275	290	285															
45	240	238	255	248															
50	201	199	216	208															
55	160	159	176	168															
60	118	119	135	127															
65	77.8	80.2	94.0	87.6															
70	42.2	45.2	56.2	51.2															
75	18.3	20.7	25.6	22.8															
80	10.3	10.9	10.3	9.43															
85	5.03	5.48	5.12	4.08															
90	3.77	3.75	1.36	1.25															
95	3.76	3.74	1.42	1.41															
100	3.76	3.74	1.61	1.60															
105	3.77	3.75	1.82	1.80															
110	3.79	3.77	2.05	2.03															
115	3.83	3.81	2.28	2.25															
120	3.89	3.86	2.52	2.49															
125	3.96	3.93	2.75	2.72															
130	4.04	4.01	2.99	2.95															
135	4.14	4.10	3.21	3.18															
140	4.25	4.21	3.44	3.41															
145	4.38	4.34	3.67	3.64															
150	4.52	4.49	3.91	3.88															
155	4.67	4.66	4.16	4.15															
160	4.83	4.82	4.41	4.40															
165	4.95	4.97	4.64	4.64															
170	5.06	5.09	4.85	4.85															
175	5.13	5.16	5.02	5.03															
180	5.12	5.15	5.13	5.14															

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: