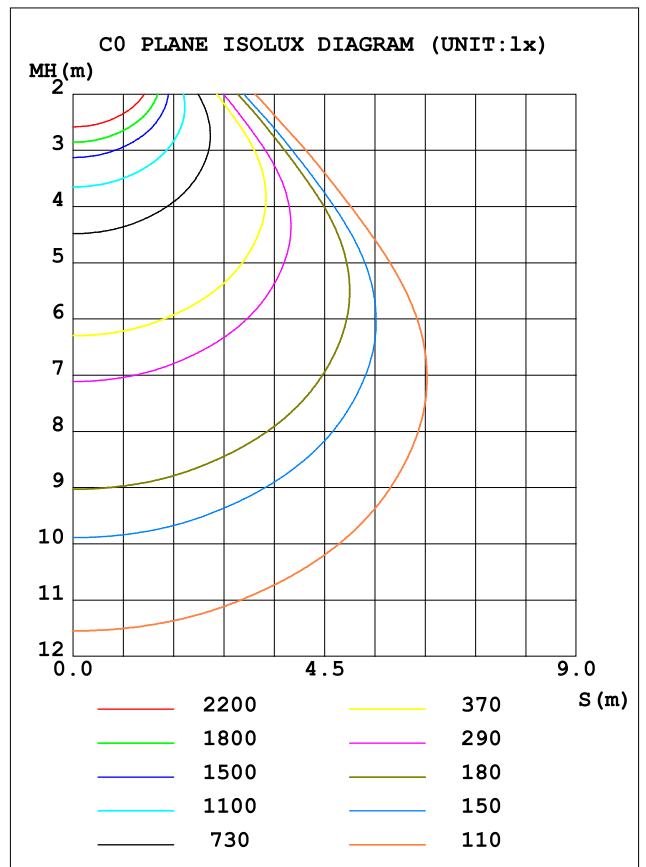
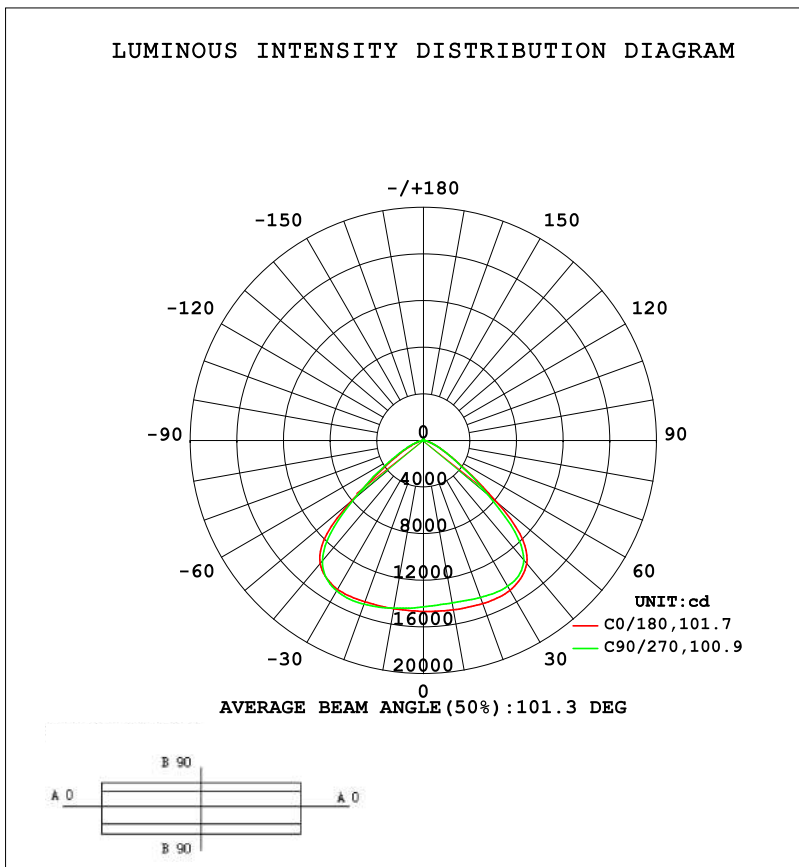


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
1000015963 UHB1220-240W-110-H-TP		Eff: 152.76 lm/W			
NOMINAL POWER (W)	240	Imax (cd)	15024	S/MH (C0/180)	1.49
RATED VOLTAGE (V)	120	LOR (%)	100.0	S/MH (C90/270)	1.47
NOMINAL FLUX (lm)	36715.9	TOTAL FLUX (lm)	36716	η UP, DN (C0-180)	0.5, 48.9
LAMPS INSIDE	1	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 49.9
TEST VOLTAGE (V)	120	η up (%)	1.1	CIBSE SHR NOM	1.50
		η down (%)	98.9	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-27

ν Range: 0 - 180DEG
 ν Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

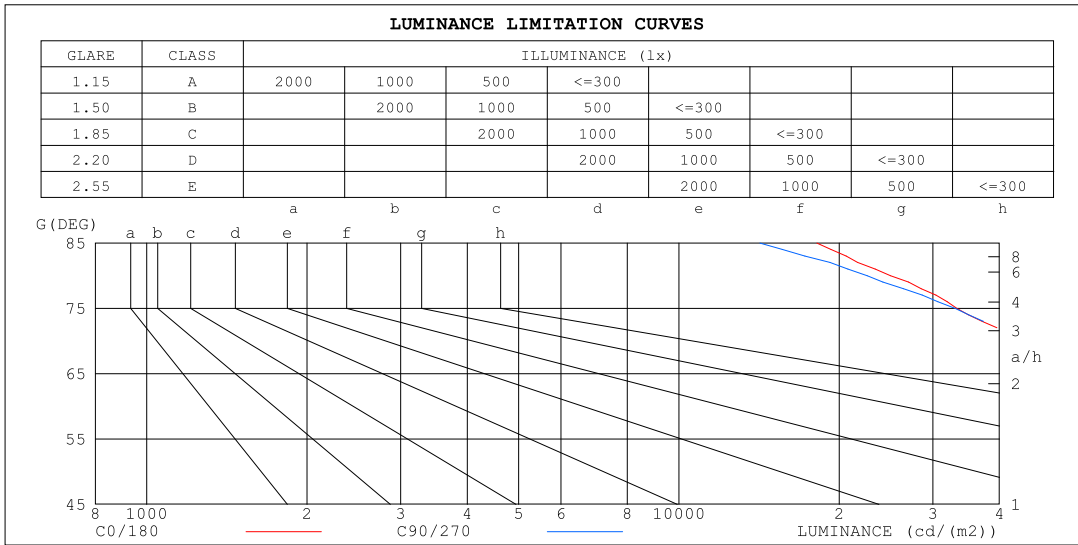
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1476	1439	1415	1407	1465	1460	1460	1450	0- 10	1374	1374	3.74, 3.74
20	1489	1451	1433	1427	1472	1482	1494	1484	10- 20	4123	5496	15, 15
30	1485	1455	1445	1438	1475	1479	1491	1478	20- 30	6805	12302	33.5, 33.5
40	1379	1349	1338	1326	1380	1358	1348	1331	30- 40	8935	21237	57.8, 57.8
50	818.1	773.8	720.7	725.9	802.4	799.2	773.7	776.8	40- 50	8561	29798	81.2, 81.2
60	257.8	261.8	258.6	259.3	248.0	272.3	281.9	277.8	50- 60	4202	34000	92.6, 92.6
70	87.93	89.64	89.90	88.76	84.13	94.58	99.49	96.69	60- 70	1646	35646	97.1, 97.1
80	24.74	23.34	22.34	21.60	22.75	25.79	26.84	26.29	70- 80	552.2	36198	98.6, 98.6
90	1.667	1.682	1.691	1.669	2.270	2.250	2.271	2.262	80- 90	105.2	36303	98.9, 98.9
100	2.418	2.461	2.466	2.429	3.531	3.416	3.333	3.302	90-100	25.43	36329	98.9, 98.9
110	4.198	4.188	4.164	4.114	5.230	5.109	5.009	4.963	100-110	39.43	36368	99.1, 99.1
120	6.054	6.052	6.032	5.987	6.777	6.632	6.518	6.480	110-120	54.12	36422	99.2, 99.2
130	7.508	7.503	7.487	7.468	8.598	8.388	8.213	8.165	120-130	63.60	36486	99.4, 99.4
140	8.895	8.898	8.868	8.798	9.963	9.781	9.684	9.633	130-140	66.65	36553	99.6, 99.6
150	9.976	10.00	9.987	9.906	10.78	10.57	10.46	10.39	140-150	60.92	36614	99.7, 99.7
160	11.83	11.76	11.69	11.58	13.03	12.82	12.67	12.58	150-160	51.40	36665	99.9, 99.9
170	13.94	13.78	13.66	13.57	14.75	14.58	14.43	14.33	160-170	37.16	36702	100, 100
180	15.05	14.90	14.78	14.71	15.12	14.95	14.82	14.73	170-180	13.79	36716	100, 100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz UTHdi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18156	14187
80	24995	22575
75	33296	33046
70	45102	46113
65	64130	64963
60	90451	90743
55	138188	131777
50	223295	196698
45	298946	276317

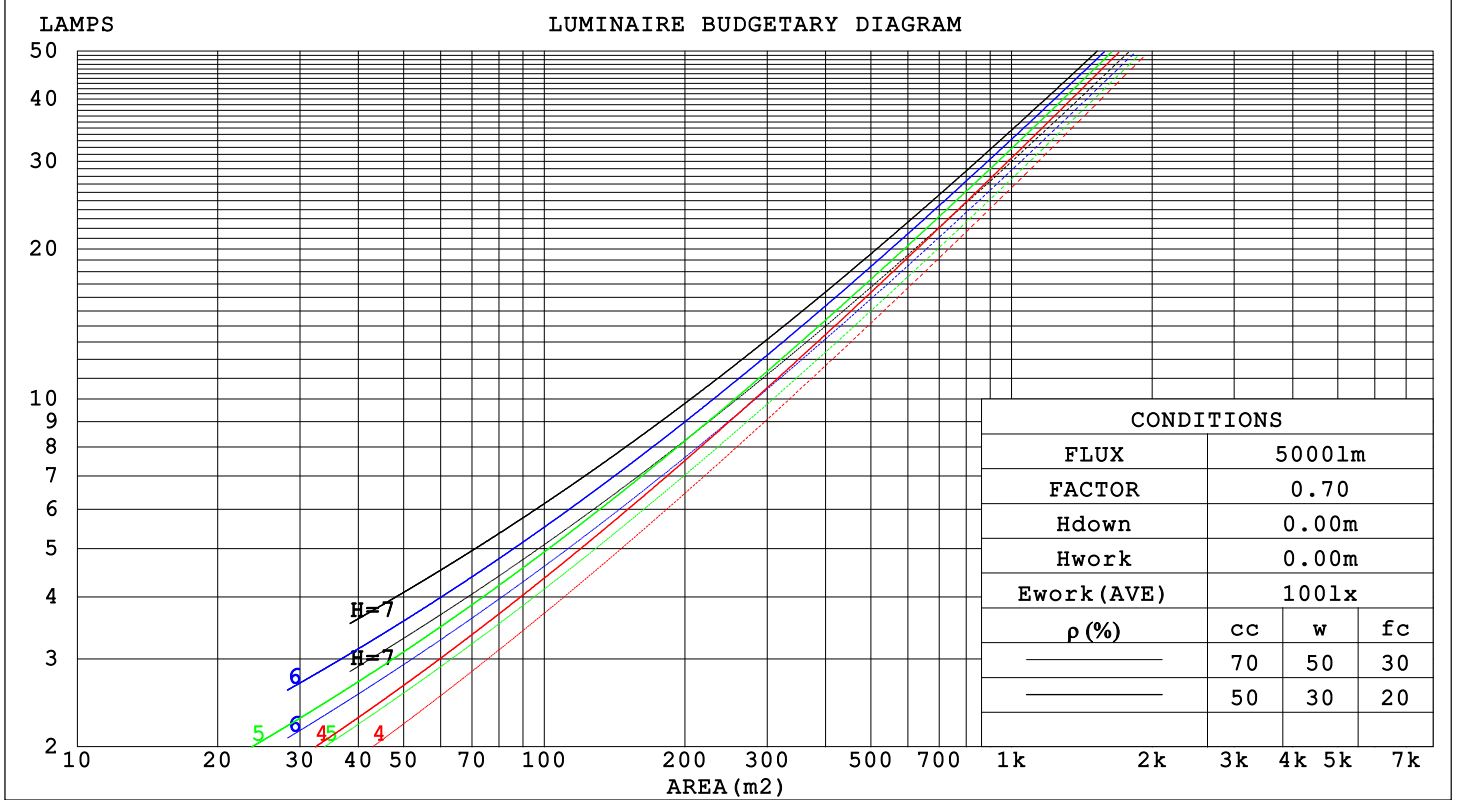
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.00	.98	.96	.96	.94	.93	.93	.91	.90	.88
2.0	.96	.90	.86	.94	.89	.85	.90	.86	.83	.87	.84	.81	.84	.81	.79	.77
3.0	.86	.79	.74	.84	.78	.73	.81	.76	.72	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.70	.64	.76	.69	.63	.73	.67	.63	.71	.66	.62	.69	.64	.61	.59
5.0	.70	.62	.56	.69	.61	.56	.67	.60	.55	.65	.59	.54	.63	.58	.54	.52
6.0	.63	.55	.49	.62	.55	.49	.60	.54	.49	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.55	.48	.43	.54	.48	.43	.52	.47	.43	.41
8.0	.53	.45	.39	.52	.45	.39	.51	.44	.39	.49	.43	.39	.48	.43	.38	.37
9.0	.48	.41	.36	.48	.40	.35	.47	.40	.35	.45	.39	.35	.44	.39	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.242	.137	.044	.235	.134	.042	.221	.127	.040	.209	.120	.039	.197	.114	.037	
2.0	.236	.129	.040	.230	.127	.039	.218	.121	.038	.207	.116	.036	.197	.112	.035	
3.0	.226	.120	.036	.220	.118	.035	.210	.114	.035	.200	.110	.034	.191	.106	.033	
4.0	.214	.111	.033	.209	.109	.032	.200	.106	.032	.191	.103	.031	.183	.100	.030	
5.0	.202	.103	.030	.198	.101	.030	.190	.099	.029	.182	.096	.029	.175	.093	.028	
6.0	.191	.096	.027	.187	.094	.027	.180	.092	.027	.173	.090	.026	.166	.088	.026	
7.0	.180	.089	.025	.177	.088	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.170	.083	.023	.167	.082	.023	.161	.081	.023	.156	.079	.023	.151	.077	.023	
9.0	.161	.078	.022	.159	.077	.022	.153	.076	.021	.148	.074	.021	.144	.073	.021	
10.0	.153	.073	.020	.151	.073	.020	.146	.071	.020	.141	.070	.020	.137	.069	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.184	.165	.148	.158	.142	.128	.108	.098	.088	.062	.057	.051	.020	.018	.017	
2.0	.174	.141	.113	.149	.121	.098	.102	.084	.068	.059	.049	.040	.019	.016	.013	
3.0	.165	.123	.089	.141	.106	.077	.097	.074	.054	.056	.043	.032	.018	.014	.010	
4.0	.157	.109	.072	.135	.094	.063	.093	.066	.044	.054	.038	.026	.017	.013	.009	
5.0	.150	.098	.060	.129	.085	.052	.089	.059	.037	.051	.035	.022	.017	.011	.007	
6.0	.143	.090	.051	.123	.078	.045	.085	.054	.032	.049	.032	.019	.016	.010	.006	
7.0	.137	.083	.045	.118	.072	.039	.082	.050	.028	.047	.030	.016	.015	.010	.005	
8.0	.132	.077	.040	.113	.067	.034	.078	.047	.024	.046	.028	.015	.015	.009	.005	
9.0	.126	.072	.036	.109	.063	.031	.075	.044	.022	.044	.026	.013	.014	.009	.004	
10.0	.121	.068	.032	.104	.059	.028	.072	.041	.020	.042	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz										
UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm										
NAME: 1000015963 UHB1220-240W-110-H-TP					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.: 0.271*0.271			Shielding 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	26.9	28.3	27.2	28.6	29.0	26.8	28.3	27.2	28.6	28.9
3H	27.3	28.6	27.7	28.9	29.3	27.3	28.6	27.7	28.9	29.3
4H	27.4	28.6	27.8	28.9	29.3	27.4	28.6	27.8	28.9	29.3
6H	27.4	28.5	27.9	28.9	29.3	27.4	28.5	27.8	28.9	29.3
8H	27.4	28.4	27.9	28.8	29.3	27.4	28.4	27.8	28.8	29.3
12H	27.4	28.4	27.8	28.8	29.2	27.4	28.3	27.8	28.7	29.2
4H 2H	27.0	28.2	27.4	28.5	29.0	27.0	28.2	27.4	28.5	28.9
3H	27.6	28.5	28.0	28.9	29.4	27.6	28.5	28.0	28.9	29.4
4H	27.7	28.5	28.2	29.0	29.5	27.7	28.5	28.2	29.0	29.4
6H	27.8	28.5	28.3	29.0	29.5	27.8	28.5	28.2	28.9	29.4
8H	27.8	28.5	28.3	28.9	29.4	27.7	28.4	28.2	28.9	29.4
12H	27.8	28.4	28.3	28.9	29.4	27.7	28.3	28.2	28.8	29.3
8H 4H	27.7	28.4	28.2	28.8	29.3	27.7	28.4	28.2	28.8	29.3
6H	27.8	28.3	28.3	28.9	29.4	27.7	28.3	28.3	28.8	29.3
8H	27.8	28.3	28.3	28.8	29.3	27.7	28.2	28.3	28.8	29.3
12H	27.8	28.2	28.3	28.8	29.4	27.7	28.2	28.2	28.7	29.3
12H 4H	27.7	28.3	28.2	28.8	29.3	27.6	28.2	28.1	28.7	29.2
6H	27.8	28.3	28.3	28.7	29.3	27.7	28.2	28.2	28.7	29.3
8H	27.8	28.2	28.3	28.7	29.3	27.7	28.2	28.2	28.7	29.3
CIE190: 2010										

CIE190: 2010
Area: 0.057 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-03-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

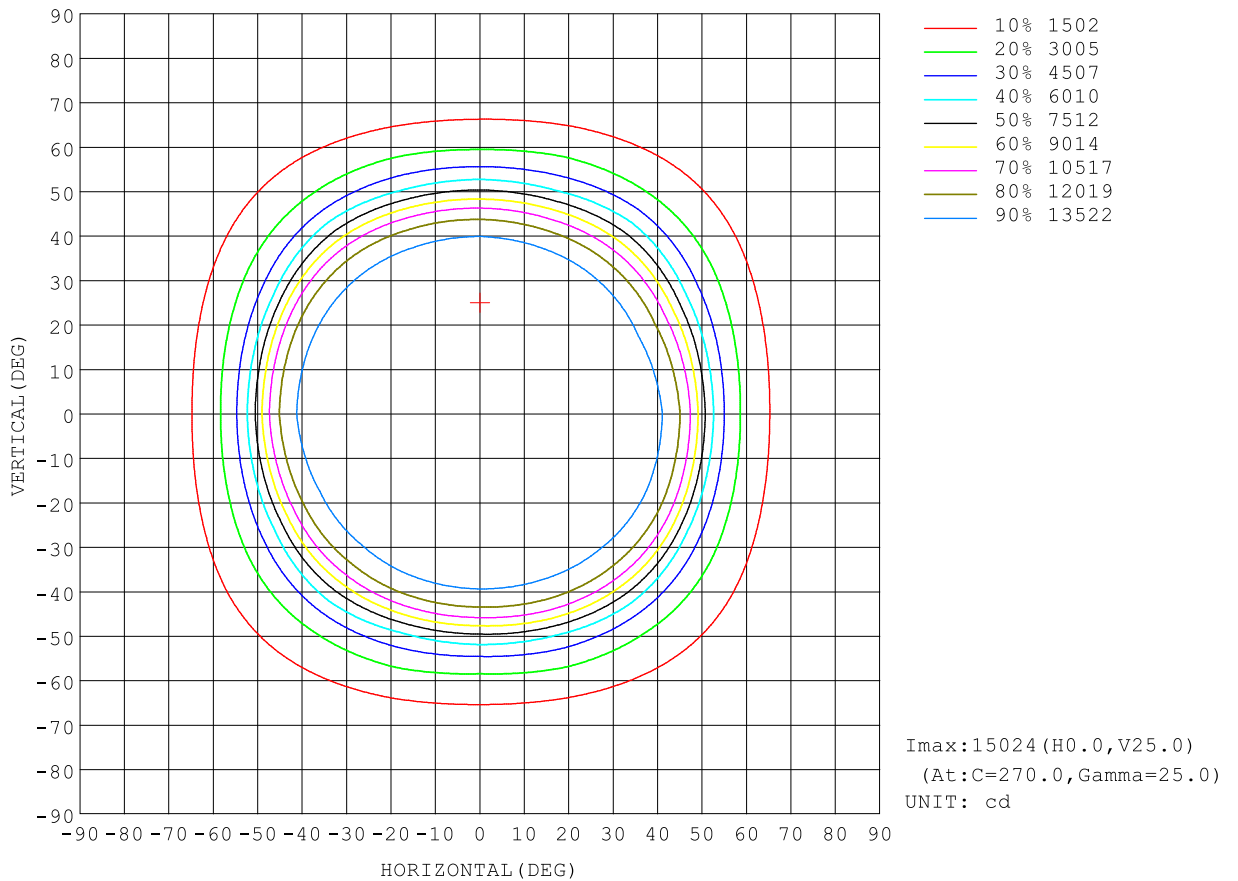
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	65	54	48	64	54	48	63	54	48	42
0.80	75	65	59	74	65	59	73	64	58	52
1.00	84	75	69	83	74	68	81	75	68	62
1.25	91	82	76	89	81	76	87	80	75	69
1.50	95	87	82	93	86	81	91	84	80	73
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	93	90	82
3.00	106	101	97	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	99	97	88
5.00	111	107	104	108	105	102	104	101	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:



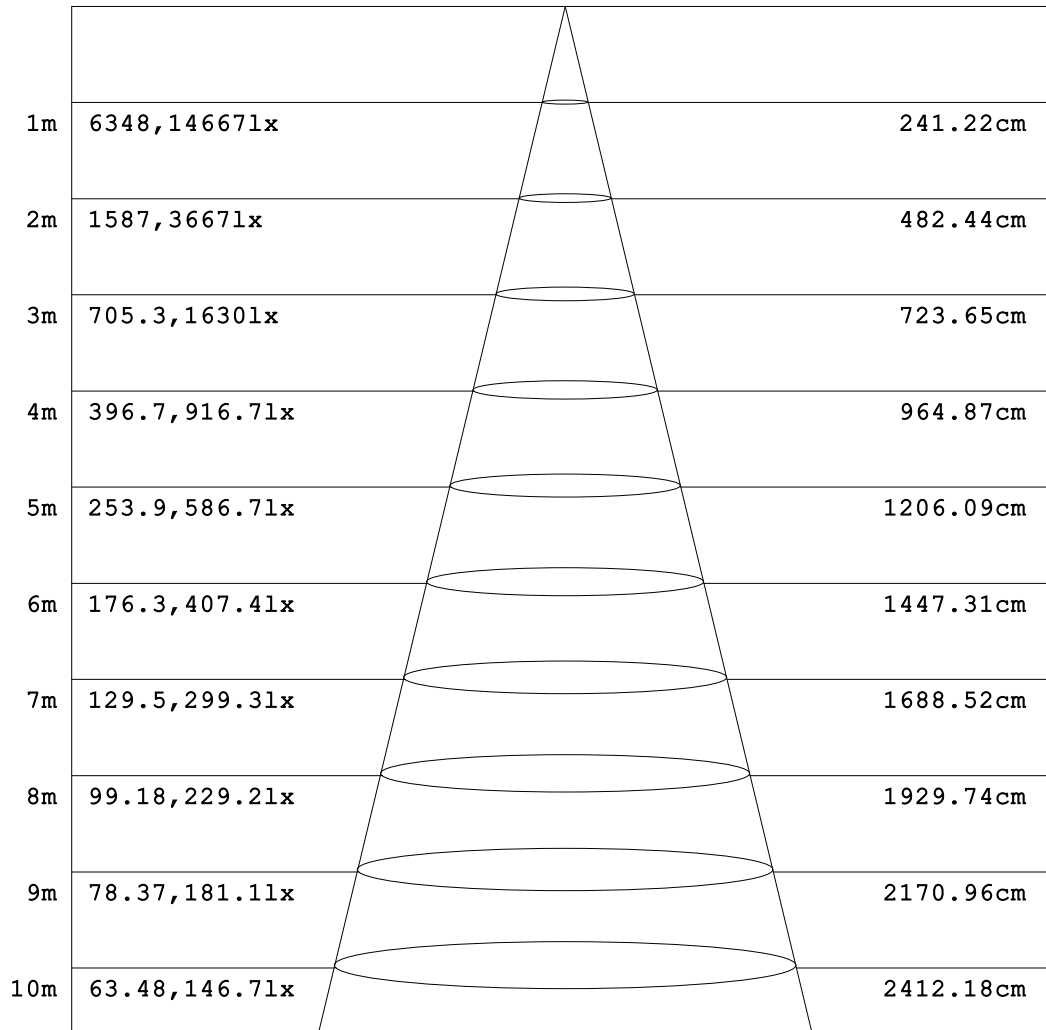
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

Flux out:30410 lm



Height Eavg, Emax Angle:100.67deg Diameter

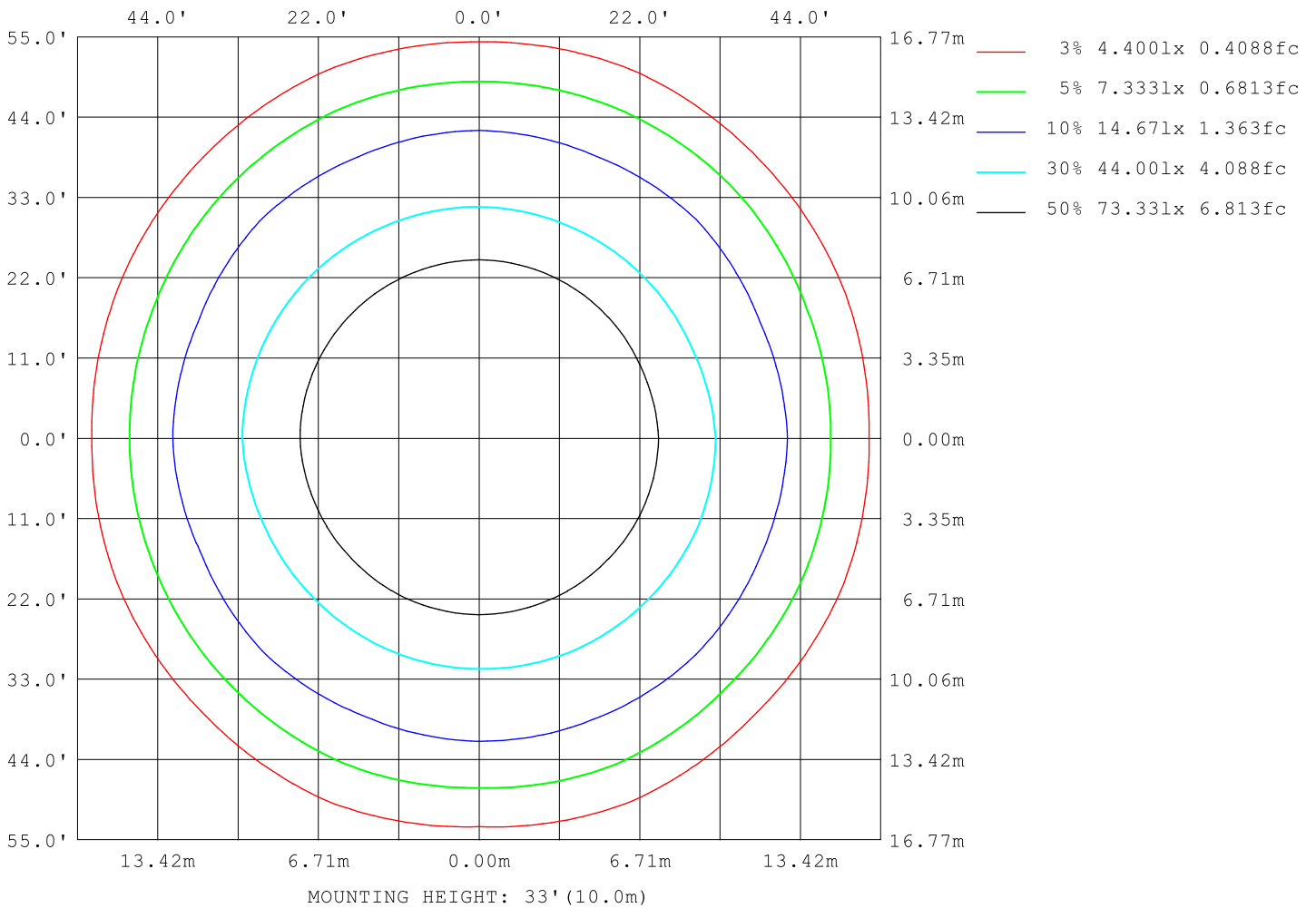
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-03-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

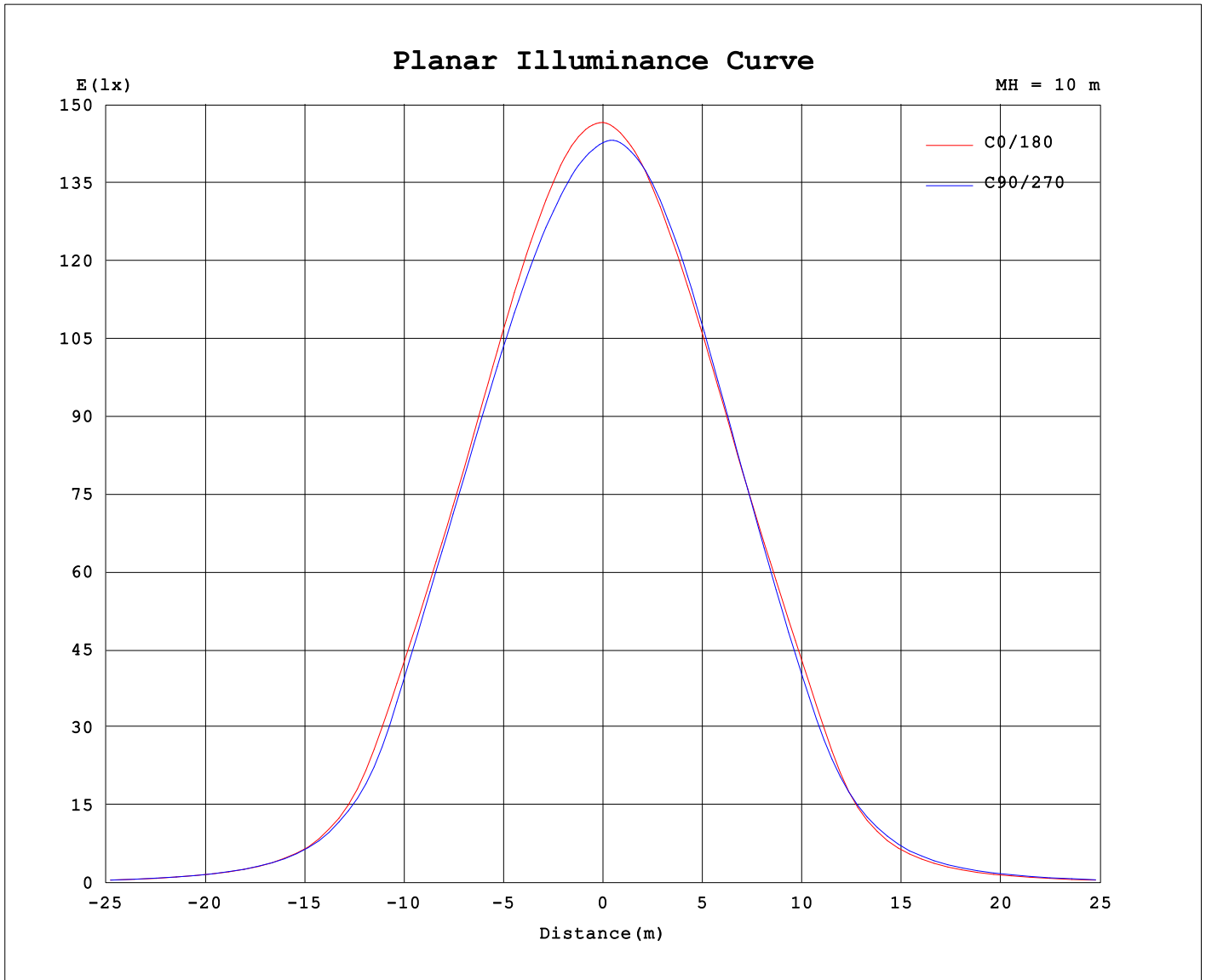
AvgL	cd/m2
L_0~180 (65) av	62362
L_0~180 (75) av	32617
L_0~180 (85) av	17190
L_90~270 (65) av	67800
L_90~270 (75) av	35035
L_90~270 (85) av	17182
L_45 (65) av	66849
L_45 (75) av	34284
L_45 (85) av	16962

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.11V I:2.0037A P:240.35W PF:0.9987 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:36715.9x1 lm		
NAME: 1000015963 UHB1220-240W-110-H-TP	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.271*0.271	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1467	1454	1443	1435	1428	1423	1419	1415	1467	1454	1443	1435	1428	1423	1419	1415			
5	1470	1452	1437	1426	1417	1411	1408	1408	1463	1456	1451	1447	1444	1439	1434	1427			
10	1476	1457	1439	1425	1415	1409	1407	1410	1465	1461	1460	1461	1460	1457	1450	1441			
15	1482	1462	1444	1430	1421	1416	1414	1417	1468	1467	1472	1476	1479	1477	1468	1456			
20	1489	1469	1451	1440	1433	1429	1427	1429	1472	1475	1482	1489	1494	1492	1484	1471			
25	1494	1476	1459	1449	1445	1441	1439	1442	1478	1482	1488	1496	1502	1500	1491	1479			
30	1485	1471	1455	1447	1445	1441	1438	1444	1475	1476	1479	1485	1491	1487	1478	1469			
35	1451	1440	1424	1420	1420	1416	1410	1419	1445	1443	1442	1444	1449	1442	1434	1429			
40	1379	1369	1349	1342	1338	1332	1326	1341	1380	1370	1358	1348	1348	1336	1331	1332			
45	1205	1196	1161	1142	1114	1106	1103	1133	1208	1189	1168	1141	1131	1115	1121	1127			
50	818	794	774	745	721	705	726	721	802	779	799	776	774	756	777	754			
55	452	448	444	451	431	441	435	427	432	438	469	478	480	474	482	448			
60	258	268	262	274	259	273	259	261	248	263	272	289	282	291	278	273			
65	154	157	157	159	156	160	156	155	146	155	163	170	170	175	168	162			
70	87.9	90.0	89.6	90.1	89.9	89.6	88.8	87.3	84.1	88.1	94.6	96.8	99.5	99.2	96.7	90.9			
75	49.1	49.5	49.5	49.2	48.8	48.1	47.8	46.5	47.1	48.5	52.4	52.4	54.6	53.0	52.6	49.4			
80	24.7	23.8	23.3	22.6	22.3	21.5	21.6	20.9	22.7	23.2	25.8	25.7	26.8	25.6	26.3	24.2			
85	9.02	8.53	7.94	7.51	7.05	6.77	6.70	6.83	8.06	8.38	9.34	9.46	10.0	9.73	9.73	8.96			
90	1.67	1.67	1.68	1.70	1.69	1.69	1.67	1.63	2.27	2.24	2.25	2.26	2.27	2.27	2.26	2.21			
95	1.88	1.89	1.92	1.93	1.93	1.92	1.91	1.86	2.76	2.70	2.67	2.65	2.63	2.61	2.61	2.60			
100	2.42	2.44	2.46	2.47	2.47	2.46	2.43	2.38	3.53	3.46	3.42	3.37	3.33	3.31	3.30	3.31			
105	3.24	3.25	3.25	3.25	3.24	3.22	3.19	3.15	4.39	4.32	4.27	4.21	4.17	4.14	4.13	4.14			
110	4.20	4.20	4.19	4.18	4.16	4.13	4.11	4.08	5.23	5.16	5.11	5.05	5.01	4.98	4.96	4.98			
115	5.17	5.17	5.16	5.14	5.13	5.09	5.07	5.05	5.98	5.90	5.86	5.80	5.75	5.73	5.72	5.72			
120	6.05	6.06	6.05	6.04	6.03	6.00	5.99	5.96	6.78	6.68	6.63	6.57	6.52	6.49	6.48	6.47			
125	6.80	6.85	6.83	6.83	6.82	6.81	6.79	6.76	7.66	7.53	7.47	7.38	7.32	7.27	7.28	7.28			
130	7.51	7.50	7.50	7.52	7.49	7.49	7.47	7.42	8.60	8.47	8.39	8.28	8.21	8.16	8.16	8.20			
135	8.18	8.20	8.19	8.21	8.17	8.15	8.11	8.07	9.37	9.23	9.17	9.08	9.04	8.98	8.99	9.00			
140	8.90	8.92	8.90	8.91	8.87	8.86	8.80	8.76	9.96	9.84	9.78	9.71	9.68	9.64	9.63	9.62			
145	9.37	9.46	9.38	9.45	9.38	9.44	9.31	9.31	10.2	10.0	9.99	9.91	9.89	9.85	9.83	9.81			
150	9.98	10.0	10.0	10.00	9.99	9.95	9.91	9.82	10.8	10.6	10.6	10.5	10.5	10.4	10.4	10.4			
155	10.8	10.7	10.8	10.7	10.7	10.6	10.6	10.5	12.0	11.8	11.7	11.6	11.6	11.5	11.5	11.5			
160	11.8	11.8	11.8	11.7	11.7	11.6	11.6	11.5	13.0	12.9	12.8	12.7	12.7	12.6	12.6	12.5			
165	12.9	12.9	12.8	12.7	12.7	12.6	12.6	12.5	14.1	13.9	13.9	13.8	13.7	13.6	13.6	13.6			
170	13.9	13.9	13.8	13.7	13.7	13.6	13.6	13.5	14.7	14.6	14.6	14.5	14.4	14.4	14.3	14.3			
175	14.6	14.5	14.4	14.4	14.3	14.3	14.2	14.2	15.1	14.9	14.9	14.8	14.8	14.7	14.7	14.7			
180	15.0	15.0	14.9	14.9	14.8	14.7	14.7	14.7	15.1	15.0	14.9	14.8	14.8	14.7	14.7	14.7			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	14667	14536	14430	14348	14281	14232	14187	14154	14667	14536
3.0	14680	14523	14387	14282	14195	14139	14105	14096	14642	14545
6.0	14709	14529	14369	14253	14163	14104	14072	14077	14628	14563
9.0	14751	14559	14380	14247	14153	14097	14068	14090	14644	14596
12.0	14789	14592	14406	14263	14158	14105	14088	14115	14666	14634
15.0	14818	14620	14440	14305	14212	14161	14145	14167	14679	14671
18.0	14856	14654	14476	14358	14286	14242	14219	14237	14698	14715
21.0	14905	14705	14526	14415	14352	14315	14295	14317	14736	14769
24.0	14938	14749	14575	14477	14423	14389	14369	14400	14775	14810
27.0	14930	14760	14596	14509	14472	14436	14410	14455	14791	14818
30.0	14853	14710	14552	14475	14446	14413	14376	14438	14749	14757
33.0	14678	14563	14402	14351	14343	14309	14261	14329	14603	14599
36.0	14404	14299	14137	14094	14096	14055	13992	14086	14356	14325
39.0	13980	13883	13695	13638	13622	13562	13502	13632	13977	13896
42.0	13256	13180	12920	12823	12715	12650	12585	12795	13300	13165
45.0	12049	11961	11614	11416	11137	11061	11033	11333	12082	11892
48.0	10042	9885	9469	9180	8754	8716	8767	8991	9983	9742
51.0	7279	6964	6983	6648	6557	6314	6618	6385	7092	6832
54.0	5122	4921	5018	4966	4806	4827	4865	4710	4915	4860
57.0	3583	3688	3582	3759	3521	3703	3563	3552	3487	3606
60.0	2578	2679	2618	2742	2586	2730	2593	2607	2480	2632
63.0	1901	1960	1942	1989	1918	1994	1930	1915	1810	1911
66.0	1377	1408	1413	1424	1414	1434	1409	1382	1310	1381
69.0	986.0	1006	1004	1011	1009	1011	999.7	982.5	944.0	986.8
72.0	697.1	715.3	711.1	712.4	705.4	701.7	697.4	683.9	668.4	698.6
75.0	491.2	495.4	494.8	491.7	487.5	480.8	478.4	465.2	471.2	485.4
78.0	337.8	334.9	324.8	315.3	313.1	307.2	301.7	300.8	316.5	319.3
81.0	208.4	201.0	193.4	189.7	185.1	175.7	174.5	172.4	190.2	193.3
84.0	114.9	110.2	102.4	98.28	93.19	90.31	88.46	89.70	103.3	107.2
87.0	45.20	41.55	36.04	32.30	28.37	27.85	27.61	29.55	36.27	39.21
90.0	16.67	16.68	16.82	16.98	16.91	16.93	16.69	16.32	22.70	22.39
93.0	17.43	17.51	17.74	17.82	17.83	17.76	17.64	17.22	25.07	24.60
96.0	19.70	19.83	20.08	20.17	20.19	20.09	19.94	19.43	28.98	28.38
99.0	22.87	23.11	23.32	23.45	23.37	23.30	23.05	22.58	33.66	32.97
102.0	27.14	27.36	27.50	27.59	27.47	27.36	27.09	26.61	38.72	38.02
105.0	32.36	32.46	32.53	32.49	32.39	32.16	31.95	31.50	43.92	43.23
108.0	38.08	38.09	38.04	37.97	37.83	37.56	37.38	36.97	48.97	48.26
111.0	43.94	43.97	43.86	43.72	43.56	43.26	43.07	42.73	53.86	53.14
114.0	49.84	49.85	49.70	49.54	49.37	49.06	48.86	48.55	58.35	57.60
117.0	55.40	55.44	55.29	55.14	55.01	54.70	54.52	54.26	62.89	62.03
120.0	60.54	60.59	60.52	60.39	60.32	60.03	59.87	59.60	67.77	66.77
123.0	65.33	65.47	65.33	65.33	65.26	65.01	64.87	64.58	72.90	71.69
126.0	69.40	69.84	69.56	69.72	69.50	69.54	69.21	68.94	78.54	77.28
129.0	73.73	73.61	73.52	73.72	73.55	73.61	73.37	72.89	84.32	83.07
132.0	77.74	77.83	77.80	77.97	77.49	77.50	77.24	76.76	89.30	88.03
135.0	81.83	82.01	81.90	82.07	81.69	81.46	81.10	80.72	93.65	92.34
138.0	86.37	86.58	86.38	86.46	86.06	85.80	85.44	84.94	97.53	96.25
141.0	90.16	90.47	90.24	90.37	89.99	89.99	89.29	88.93	100.6	99.43
144.0	92.56	93.38	92.65	93.27	92.56	93.12	91.95	91.95	101.2	99.84
147.0	95.73	96.75	96.06	96.81	96.06	96.30	95.33	94.97	103.8	102.2
150.0	99.76	100.2	100.0	99.99	99.87	99.50	99.06	98.16	107.8	106.2
153.0	104.3	104.2	104.4	103.9	104.1	103.3	103.1	102.1	113.8	112.3
156.0	109.7	109.2	109.4	108.7	108.9	108.0	107.9	106.8	121.8	120.2
159.0	115.9	115.5	115.4	114.7	114.7	113.8	113.6	112.7	128.2	126.6
162.0	122.5	122.0	121.7	121.0	120.8	120.0	119.8	119.0	134.6	133.0
165.0	129.0	128.5	127.9	127.3	126.9	126.2	125.9	125.3	140.8	139.2
168.0	135.7	135.1	134.3	133.6	133.2	132.4	132.3	131.7	145.2	143.8
171.0	140.9	140.3	139.3	138.8	138.1	137.6	137.2	136.9	148.4	147.1
174.0	144.8	144.3	143.1	142.7	141.9	141.5	141.2	141.0	150.5	149.1
177.0	148.9	148.5	147.3	146.9	146.2	145.9	145.5	145.4	151.4	149.9
180.0	150.5	150.2	149.0	148.7	147.8	147.5	147.1	146.9	151.2	149.5
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	14430	14348	14281	14232	14187	14154				
3.0	14480	14428	14382	14335	14282	14226				
6.0	14527	14497	14465	14423	14365	14296				
9.0	14581	14574	14562	14529	14465	14375				
12.0	14649	14672	14683	14656	14577	14468				
15.0	14716	14764	14794	14765	14681	14560				
18.0	14780	14842	14884	14857	14778	14651				
21.0	14840	14918	14972	14948	14862	14736				
24.0	14880	14962	15022	14995	14906	14789				
27.0	14870	14942	15002	14973	14885	14781				
30.0	14785	14849	14909	14872	14782	14686				

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

33.0	14605	14654	14707	14657	14568	14490
36.0	14302	14306	14349	14277	14199	14154
39.0	13806	13741	13761	13641	13588	13580
42.0	12989	12830	12789	12652	12629	12675
45.0	11683	11405	11314	11154	11208	11267
48.0	9630	9338	9222	9094	9224	9180
51.0	7228	6967	7052	6837	7078	6739
54.0	5246	5209	5297	5158	5350	4942
57.0	3748	3949	3861	3951	3816	3704
60.0	2723	2890	2819	2913	2778	2732
63.0	1998	2107	2088	2158	2067	2010
66.0	1466	1529	1538	1567	1512	1454
69.0	1058	1085	1114	1117	1086	1026
72.0	751.9	763.4	791.2	772.9	762.1	716.4
75.0	523.6	524.0	546.2	529.8	526.3	493.8
78.0	353.5	348.3	365.9	349.8	356.8	330.3
81.0	215.5	213.0	227.2	218.4	223.5	201.3
84.0	118.9	119.4	125.5	120.6	121.5	112.8
87.0	47.87	50.11	54.81	54.02	54.57	49.53
90.0	22.50	22.58	22.71	22.70	22.62	22.07
93.0	24.45	24.36	24.15	24.13	24.01	23.83
96.0	28.05	27.77	27.53	27.39	27.29	27.27
99.0	32.55	32.12	31.80	31.60	31.49	31.57
102.0	37.56	36.99	36.60	36.35	36.24	36.39
105.0	42.71	42.07	41.70	41.39	41.29	41.44
108.0	47.76	47.08	46.74	46.41	46.30	46.43
111.0	52.70	52.02	51.68	51.35	51.24	51.31
114.0	57.14	56.52	56.10	55.82	55.73	55.77
117.0	61.55	60.99	60.48	60.28	60.17	60.16
120.0	66.32	65.66	65.18	64.90	64.80	64.74
123.0	71.24	70.38	69.90	69.48	69.53	69.41
126.0	76.53	75.57	74.92	74.47	74.49	74.61
129.0	82.19	81.13	80.39	79.93	79.91	80.27
132.0	87.24	86.26	85.66	85.16	85.18	85.50
135.0	91.68	90.77	90.38	89.84	89.89	90.03
138.0	95.65	94.88	94.62	94.09	94.11	94.10
141.0	98.82	98.22	97.87	97.48	97.36	97.27
144.0	99.42	98.64	98.45	97.96	97.90	97.61
147.0	101.8	101.0	100.8	100.3	100.3	99.96
150.0	105.7	104.8	104.6	104.0	103.9	103.6
153.0	111.6	110.7	110.3	109.8	109.6	109.4
156.0	119.6	118.5	118.1	117.5	117.3	117.0
159.0	126.0	124.9	124.6	123.8	123.6	123.3
162.0	132.5	131.3	130.9	130.2	130.0	129.6
165.0	138.8	137.6	137.2	136.4	136.2	135.8
168.0	143.5	142.3	141.9	141.1	141.0	140.5
171.0	146.7	145.7	145.2	144.6	144.3	144.0
174.0	148.8	147.8	147.4	146.7	146.6	146.2
177.0	149.7	148.5	148.4	147.5	147.6	147.0
180.0	149.5	148.2	148.2	147.2	147.3	146.7

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.480
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks: