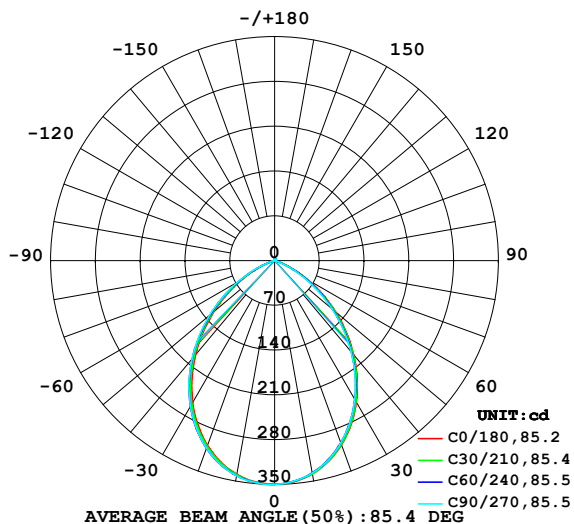


LUMINAIRE PHOTOMETRIC TEST REPORT

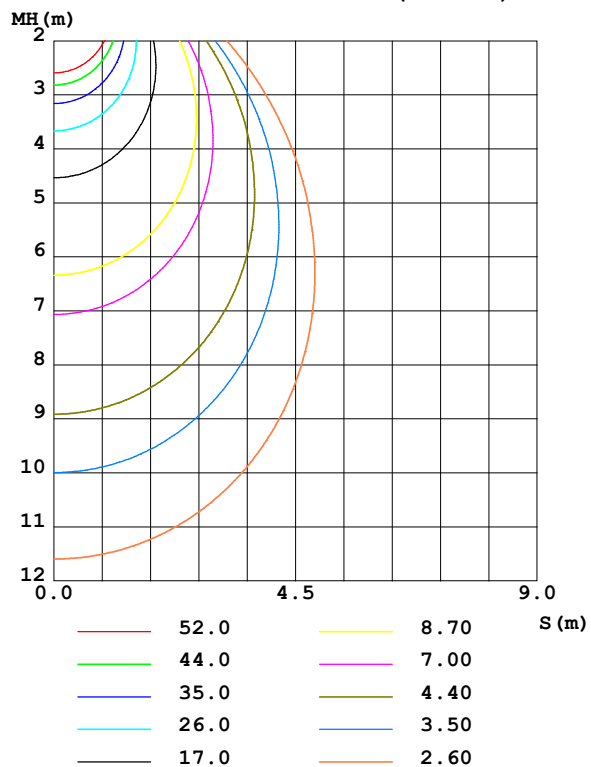
Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.28 lm/W
MODEL	XL-1002-S8W	I _{max} (cd)	350.4	S/MH(C0/180)	1.11	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.14	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	638.08	η UP,DN(C0-180)	0.4,48.2	
NOMINAL FLUX(lm)	638.078	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,51.1	
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	230	η down(%)	99.3	CIBSE SHR MAX	1.15	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [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	338.7	337.6	337.3	337.6	339.6	340.9	341.6	341.4	0- 10	32.90	32.90	5.16,5.16
20	306.4	304.1	303.0	303.4	307.2	310.5	311.8	311.2	10- 20	91.65	124.6	19.5,19.5
30	255.7	252.4	250.6	250.6	256.2	261.3	263.4	262.3	20- 30	130.4	255.0	40,40
40	192.4	188.8	186.1	185.5	192.5	198.4	201.2	200.3	30- 40	141.0	395.9	62,62
50	124.5	120.3	116.9	116.3	123.4	129.1	132.5	131.8	40- 50	122.3	518.2	81.2,81.2
60	59.92	55.40	52.61	52.22	58.02	62.63	65.52	65.19	50- 60	81.00	599.3	93.9,93.9
70	11.01	8.748	7.209	7.522	9.711	12.56	13.68	13.53	60- 70	31.87	631.1	98.9,98.9
80	0.0801	0.0310	0	0.0313	0	0.0673	0.1072	0.0620	70- 80	2.468	633.6	99.3,99.3
90	0	0.0029	0.0114	0.0057	0	0	0	0	80- 90	0.0080	633.6	99.3,99.3
100	0.0614	0.1095	0.1404	0.1152	0.0844	0.0449	0.0056	0.0337	90-100	0.0297	633.6	99.3,99.3
110	0.2801	0.3254	0.3598	0.3370	0.2698	0.2191	0.1843	0.2079	100-110	0.1736	633.8	99.3,99.3
120	0.5723	0.6232	0.6683	0.6456	0.5337	0.4772	0.4373	0.4575	110-120	0.4008	634.2	99.4,99.4
130	0.9207	0.9742	1.017	0.9963	0.8488	0.7862	0.7742	0.7803	120-130	0.6401	634.8	99.5,99.5
140	1.269	1.322	1.370	1.350	1.191	1.126	1.095	1.111	130-140	0.8142	635.7	99.6,99.6
150	1.605	1.648	1.713	1.679	1.539	1.474	1.431	1.457	140-150	0.8756	636.5	99.8,99.8
160	1.875	1.912	1.971	1.946	1.837	1.785	1.751	1.774	150-160	0.7913	637.3	99.9,99.9
170	2.072	2.108	2.141	2.127	2.089	2.035	1.982	2.021	160-170	0.5564	637.9	100,100
180	2.150	2.167	2.156	2.170	2.156	2.162	2.156	2.167	170-180	0.2019	638.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:31 July 2025

 γ Range: 0 - 180DEG

 γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

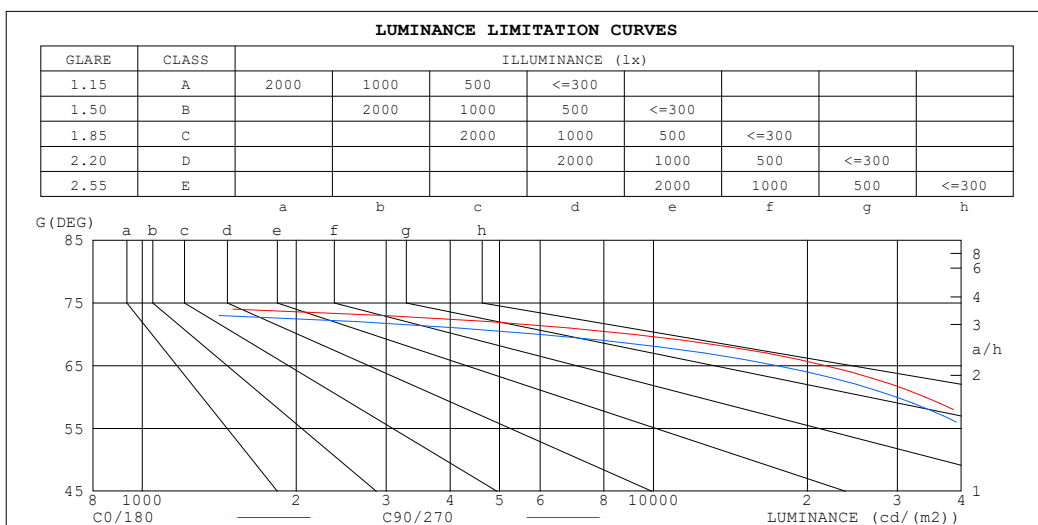
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz

Lamp Flux:638.078x1 lm

NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:



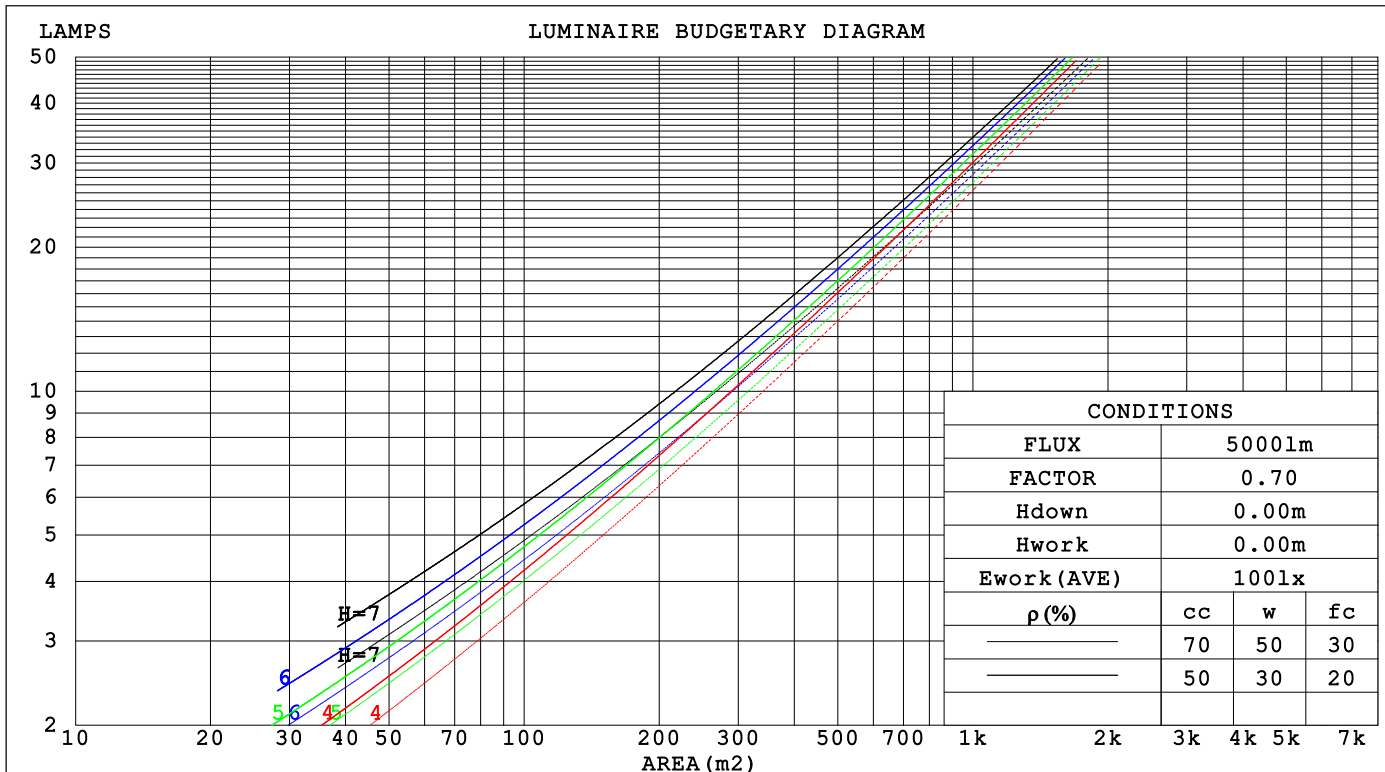
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding 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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.96	.94	.94	.92	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.80	.79
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.70	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.59	.71	.64	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.54
6.0	.66	.58	.52	.65	.57	.52	.63	.56	.51	.61	.55	.51	.60	.55	.51	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8.0	.55	.48	.42	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm					
NAME:		TYPE: 4000K		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.: D67		Shielding 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	.229	.130	.041	.222	.127	.040	.209	.120	.038	.196	.113	.036	.185	.107	.035		
2.0	.225	.124	.038	.219	.121	.037	.208	.116	.036	.197	.111	.035	.188	.106	.033		
3.0	.216	.115	.034	.211	.113	.034	.201	.109	.033	.192	.105	.032	.183	.101	.031		
4.0	.206	.107	.031	.201	.105	.031	.192	.102	.030	.184	.099	.030	.176	.096	.029		
5.0	.195	.099	.029	.190	.098	.028	.183	.095	.028	.175	.092	.028	.168	.090	.027		
6.0	.184	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.025	.161	.085	.025		
7.0	.174	.086	.024	.171	.085	.024	.164	.083	.024	.158	.081	.024	.153	.079	.023		
8.0	.165	.080	.023	.162	.080	.022	.156	.078	.022	.151	.076	.022	.146	.075	.022		
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	.139	.071	.020		
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.019		

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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.180	.162	.146	.154	.139	.126	.105	.096	.087	.061	.055	.051	.019	.018	.016		
2.0	.169	.138	.111	.145	.119	.096	.099	.082	.067	.057	.048	.039	.018	.015	.013		
3.0	.160	.119	.087	.137	.103	.076	.094	.072	.053	.054	.042	.031	.017	.014	.010		
4.0	.152	.106	.070	.130	.091	.061	.089	.064	.043	.052	.037	.025	.017	.012	.008		
5.0	.144	.095	.058	.124	.082	.050	.085	.057	.036	.049	.034	.021	.016	.011	.007		
6.0	.138	.086	.049	.118	.075	.043	.082	.052	.030	.047	.031	.018	.015	.010	.006		
7.0	.132	.079	.042	.113	.068	.037	.078	.048	.026	.045	.028	.015	.015	.009	.005		
8.0	.126	.073	.037	.108	.063	.032	.075	.045	.023	.044	.026	.014	.014	.009	.005		
9.0	.120	.068	.033	.104	.059	.029	.072	.042	.020	.042	.025	.012	.014	.008	.004		
10.0	.115	.064	.030	.099	.056	.026	.069	.039	.018	.040	.023	.011	.013	.008	.004		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:31 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm											
NAME:					TYPE: 4000K			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: D67			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		26.8	28.1	27.1	28.3	28.5	26.5	27.8	26.8	28.0	28.2
3H		26.9	28.1	27.2	28.3	28.5	26.5	27.6	26.8	27.9	28.1
4H		26.8	27.9	27.1	28.2	28.4	26.4	27.5	26.7	27.7	28.0
6H		26.7	27.7	27.0	28.0	28.3	26.3	27.3	26.6	27.6	27.9
8H		26.7	27.6	27.0	27.9	28.2	26.2	27.2	26.6	27.5	27.8
12H		26.6	27.6	27.0	27.8	28.2	26.2	27.1	26.5	27.4	27.7
4H 2H		26.9	28.0	27.2	28.2	28.5	26.6	27.7	26.9	27.9	28.2
3H		27.0	27.9	27.3	28.2	28.5	26.6	27.5	26.9	27.8	28.1
4H		26.9	27.7	27.2	28.0	28.4	26.5	27.3	26.9	27.7	28.0
6H		26.8	27.5	27.2	27.9	28.2	26.4	27.1	26.8	27.5	27.9
8H		26.7	27.4	27.1	27.8	28.2	26.3	27.0	26.8	27.4	27.8
12H		26.7	27.3	27.1	27.7	28.1	26.3	26.9	26.7	27.3	27.7
8H 4H		26.7	27.4	27.1	27.8	28.2	26.4	27.0	26.8	27.4	27.8
6H		26.6	27.2	27.1	27.6	28.1	26.3	26.8	26.7	27.2	27.7
8H		26.6	27.1	27.1	27.5	28.0	26.2	26.7	26.7	27.1	27.6
12H		26.6	27.0	27.0	27.4	27.9	26.2	26.6	26.7	27.0	27.5
12H 4H		26.7	27.3	27.1	27.7	28.1	26.3	26.9	26.7	27.3	27.7
6H		26.6	27.1	27.1	27.5	28.0	26.2	26.7	26.7	27.1	27.6
8H		26.6	27.0	27.0	27.4	27.9	26.2	26.6	26.7	27.0	27.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.9 / - 1.3					+ 1.0 / - 1.5				
1.5H		+ 0.5 / - 0.7					+ 0.4 / - 0.6				
2.0H		+ 1.8 / - 2.8					+ 1.9 / - 3.0				

CIE Pub.117, 638.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.6)
Area: 0.003524 m2

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:31 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

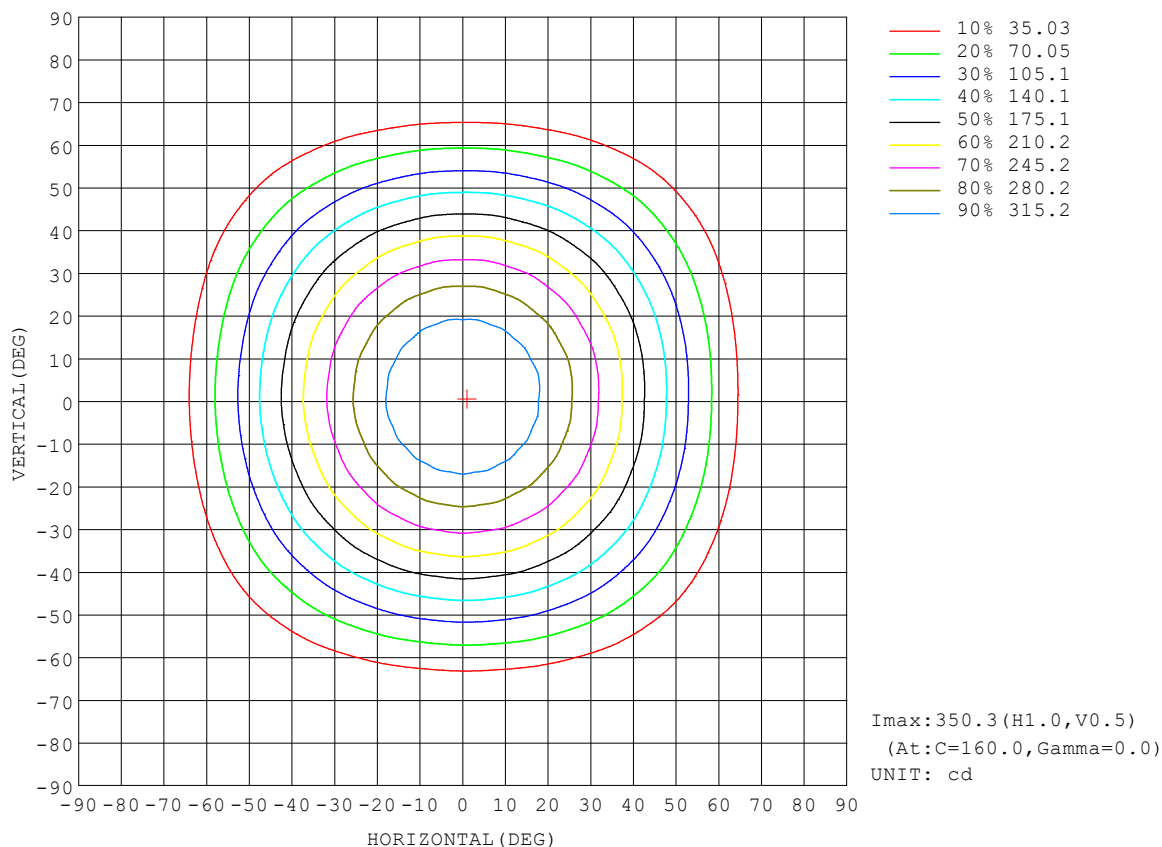
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	57	51	66	57	51	65	57	51	46
0.80	77	68	62	76	67	62	75	67	61	56
1.00	86	77	71	85	76	71	82	77	70	64
1.25	92	84	79	91	83	78	88	82	77	71
1.50	96	89	84	95	88	83	92	86	82	76
2.00	102	96	91	100	94	90	97	92	88	82
2.50	105	99	94	103	98	93	99	95	92	84
3.00	107	102	98	105	101	97	101	98	95	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	100	92
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: CAM
Test Date: 31 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 8.910m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

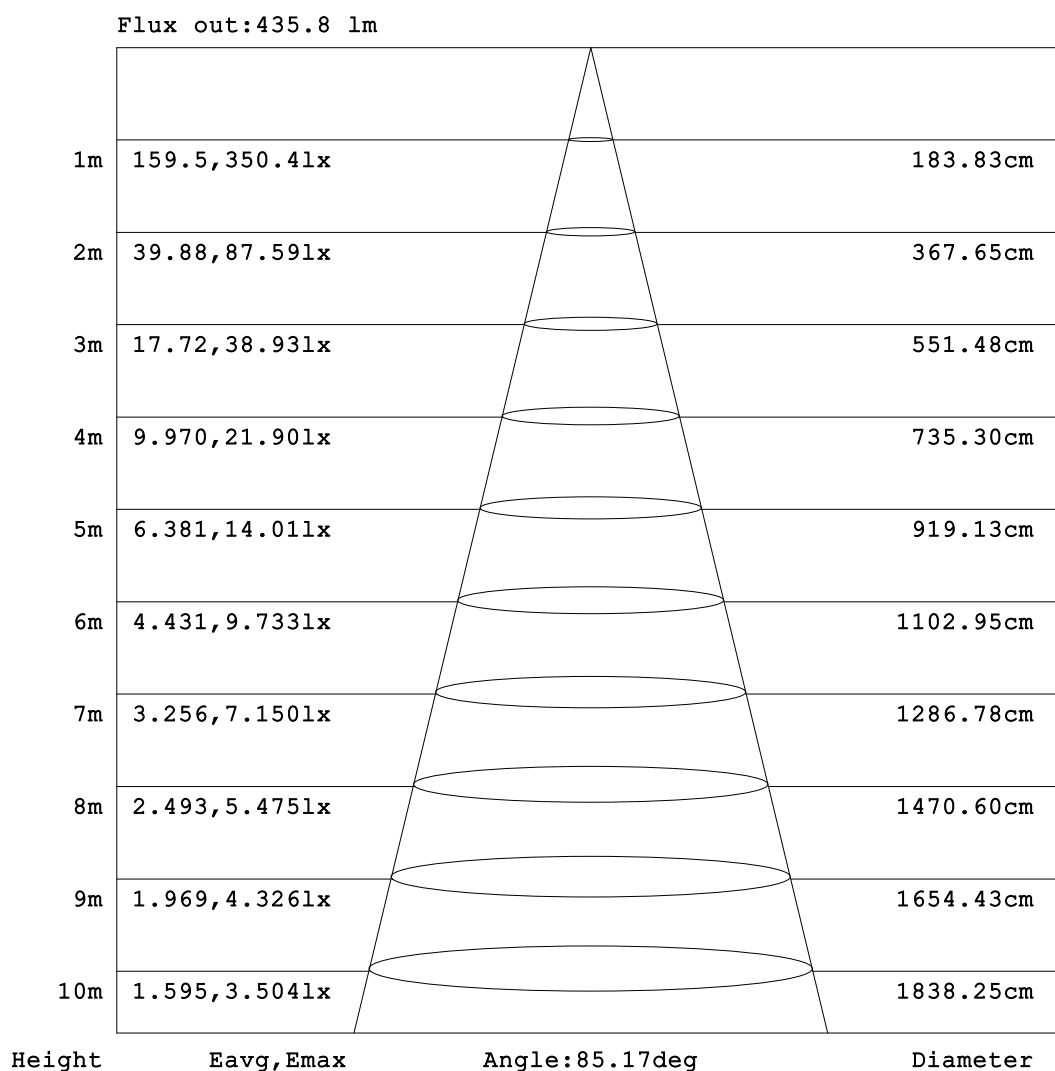


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding 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: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:31 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

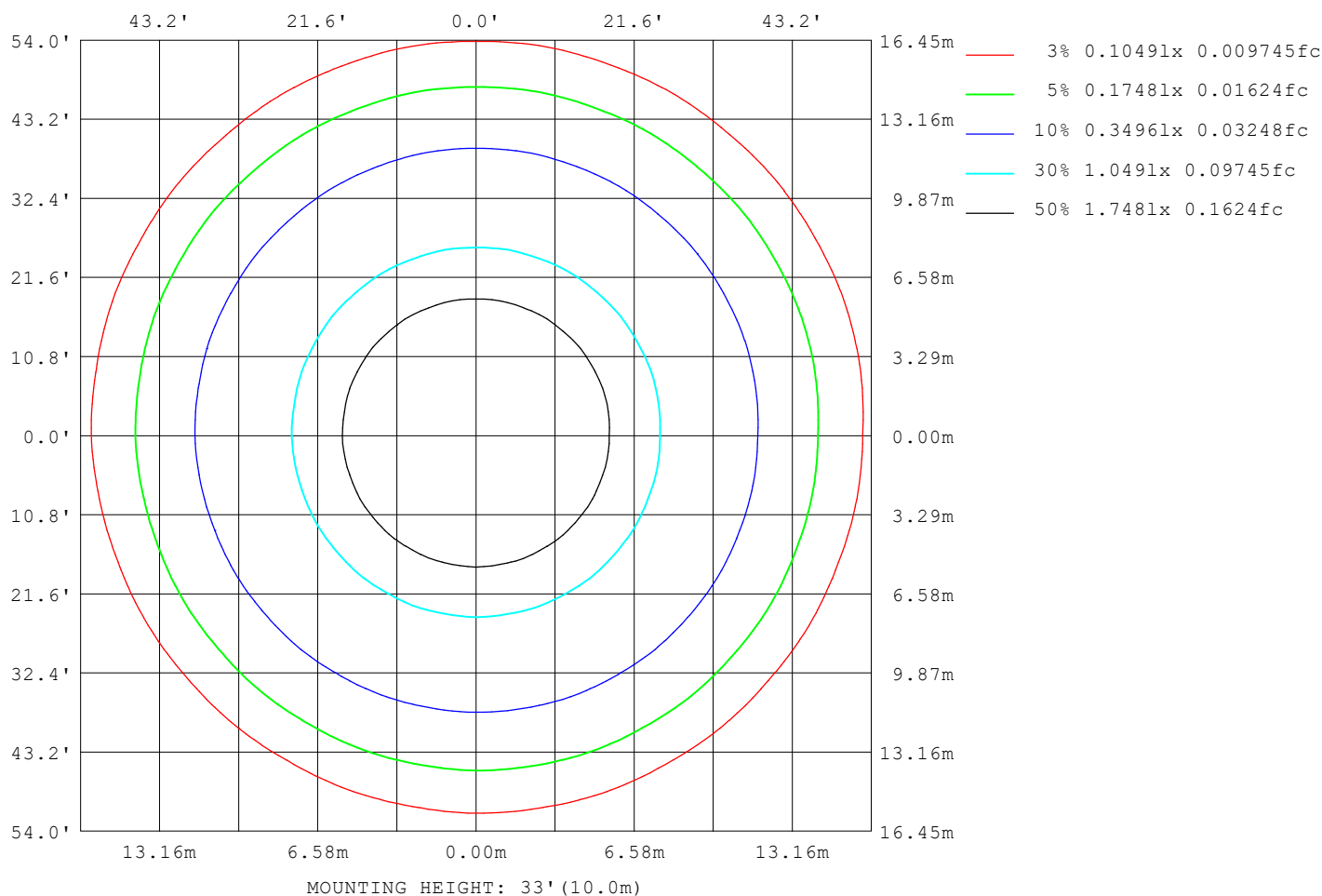
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:CAM
Test Date:31 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	21047
L_0~180 (75) av	440
L_0~180 (85) av	0
L_90~270 (65) av	20962
L_90~270 (75) av	788
L_90~270 (85) av	0
L_45 (65) av	20960
L_45 (75) av	760
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:31 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

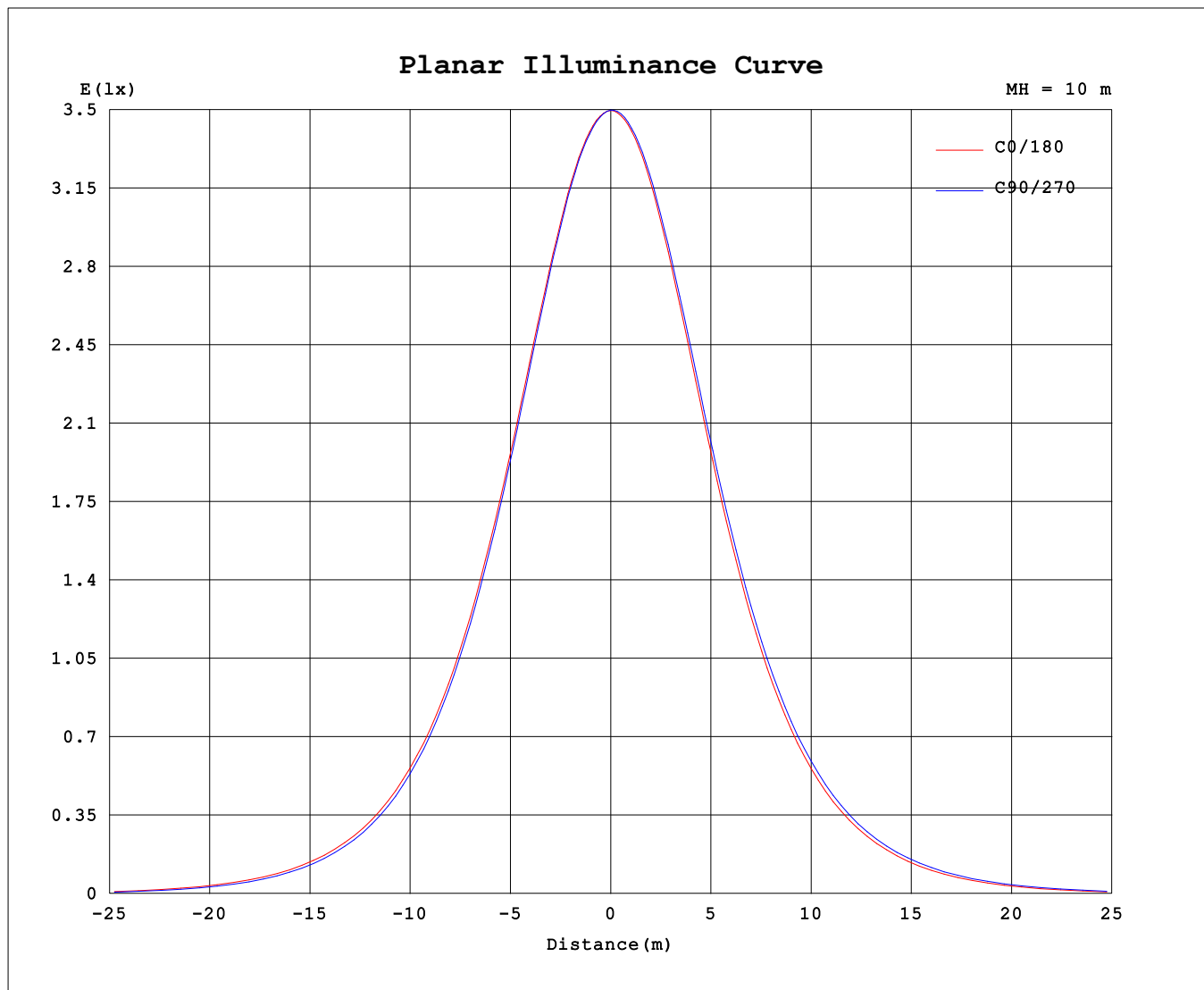
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: CAM
Test Date: 31 July 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 8.910m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
5	347	347	347	347	346	346	346	346	346	346	346	346	346	347	347	347	347	347	347
10	339	339	338	339	337	338	337	337	337	337	337	337	337	338	338	339	338	340	340
15	325	326	324	325	323	324	322	323	322	323	322	323	322	323	323	324	324	326	326
20	306	307	305	305	304	304	303	304	302	303	302	303	302	304	303	305	304	306	307
25	283	283	281	282	280	280	279	279	278	279	278	279	278	279	279	281	280	282	284
30	256	256	254	254	252	253	251	251	250	251	249	250	249	251	250	252	252	254	256
35	225	225	223	224	221	222	220	220	219	219	218	219	218	220	219	221	221	223	226
40	192	193	190	191	189	189	187	187	185	186	184	185	184	186	185	187	187	190	192
45	159	158	157	156	155	155	153	153	152	151	150	151	150	151	151	153	153	155	158
50	125	124	122	122	120	120	119	118	117	117	116	116	115	116	116	118	119	121	123
55	91.1	90.6	88.9	88.5	86.8	86.6	85.1	85.0	83.7	83.5	82.3	82.5	81.9	82.9	83.0	84.5	85.2	87.0	89.6
60	59.9	59.4	57.6	57.1	55.5	55.3	54.0	53.9	52.6	52.6	51.5	51.7	51.3	52.1	52.3	53.7	54.1	55.7	58.0
65	32.4	31.9	30.3	29.8	28.4	28.2	27.0	26.9	25.9	26.0	25.4	25.6	25.3	26.0	26.1	27.0	27.2	28.4	30.3
70	11.0	10.9	10.1	9.83	8.92	8.58	7.73	7.56	7.04	7.21	7.00	7.43	7.34	7.63	7.41	7.81	7.80	8.44	9.71
75	0.53	0.51	0.45	0.38	0.38	0.32	0.36	0.29	0.34	0.28	0.33	0.29	0.34	0.30	0.36	0.31	0.29	0.15	0.27
80	0.08	0.01	0.08	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.02	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00
95	0.00	0.06	0.01	0.06	0.01	0.06	0.01	0.07	0.01	0.06	0.02	0.06	0.02	0.06	0.01	0.06	0.01	0.06	0.03
100	0.06	0.13	0.08	0.13	0.08	0.13	0.07	0.14	0.08	0.14	0.08	0.14	0.09	0.14	0.09	0.14	0.08	0.13	0.08
105	0.16	0.21	0.16	0.23	0.17	0.23	0.18	0.24	0.18	0.25	0.18	0.24	0.19	0.25	0.18	0.25	0.18	0.23	0.16
110	0.28	0.33	0.29	0.34	0.30	0.35	0.30	0.36	0.31	0.36	0.31	0.37	0.32	0.37	0.30	0.35	0.30	0.35	0.27
115	0.42	0.47	0.42	0.48	0.43	0.49	0.45	0.51	0.45	0.51	0.45	0.51	0.46	0.51	0.47	0.51	0.45	0.50	0.38
120	0.57	0.63	0.58	0.65	0.59	0.65	0.60	0.66	0.61	0.67	0.62	0.67	0.62	0.67	0.62	0.67	0.61	0.66	0.53
125	0.75	0.80	0.75	0.81	0.77	0.83	0.77	0.84	0.79	0.85	0.80	0.84	0.79	0.84	0.79	0.84	0.79	0.84	0.69
130	0.92	0.98	0.93	0.98	0.94	1.01	0.95	1.00	0.96	1.02	0.97	1.01	0.97	1.02	0.97	1.02	0.95	1.01	0.85
135	1.10	1.15	1.10	1.16	1.12	1.18	1.12	1.18	1.14	1.20	1.14	1.20	1.14	1.20	1.14	1.19	1.14	1.19	1.02
140	1.27	1.34	1.28	1.33	1.29	1.35	1.30	1.36	1.31	1.37	1.32	1.38	1.32	1.38	1.32	1.38	1.32	1.37	1.19
145	1.45	1.50	1.45	1.51	1.46	1.52	1.47	1.53	1.48	1.55	1.49	1.55	1.49	1.55	1.49	1.55	1.48	1.54	1.37
150	1.61	1.66	1.61	1.67	1.62	1.68	1.62	1.70	1.66	1.71	1.67	1.71	1.66	1.71	1.65	1.71	1.64	1.71	1.54
155	1.76	1.81	1.76	1.81	1.75	1.82	1.77	1.84	1.79	1.85	1.80	1.85	1.80	1.84	1.79	1.85	1.79	1.86	1.70
160	1.87	1.93	1.87	1.93	1.88	1.95	1.89	1.97	1.91	1.97	1.93	1.98	1.91	1.98	1.91	1.98	1.93	1.98	1.84
165	1.99	2.04	1.99	2.04	1.99	2.06	2.00	2.07	2.01	2.08	2.02	2.08	2.02	2.08	2.04	2.09	2.04	2.09	1.98
170	2.07	2.13	2.08	2.14	2.08	2.14	2.08	2.14	2.09	2.14	2.09	2.13	2.11	2.14	2.12	2.15	2.12	2.15	2.09
175	2.14	2.15	2.13	2.16	2.14	2.16	2.15	2.16	2.14	2.15	2.14	2.15	2.14	2.16	2.17	2.17	2.17	2.16	2.16
180	2.15	2.16	2.15	2.16	2.17	2.17	2.16	2.16	2.16	2.16	2.16	2.16	2.17	2.17	2.17	2.17	2.17	2.17	2.16

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:31 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.25V I:0.0719A P:8.1512W PF:0.4924 Freq:60.00Hz Lamp Flux:638.078x1 lm																	
NAME:									TYPE: 4000K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D67						Shielding Angle:		

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350		
5	347	348	348	348	348	348	348	348	348	348	348	348	348	349	348	348	348		
10	339	340	340	341	341	342	341	342	342	342	342	342	341	342	341	341	340		
15	326	327	327	329	328	330	329	330	329	330	329	330	329	329	328	328	327		
20	307	309	309	311	310	312	311	313	312	313	312	312	311	312	310	310	309		
25	284	286	286	288	288	290	289	291	290	291	289	290	289	289	287	288	286		
30	256	259	259	261	261	263	263	264	263	265	263	264	262	263	260	261	258		
35	226	229	229	231	231	233	233	235	234	235	234	234	232	233	230	231	228		
40	193	196	196	198	198	201	200	202	201	203	201	202	200	200	198	198	196		
45	159	161	162	164	164	166	166	168	167	168	167	168	167	166	165	164	162		
50	124	126	127	129	129	131	131	133	133	133	133	133	132	132	130	130	128		
55	90.3	92.2	92.7	94.6	95.0	96.7	97.0	98.3	98.1	98.9	98.1	98.6	97.6	97.6	96.3	95.9	94.1		
60	58.6	60.4	60.8	62.5	62.8	64.4	64.6	65.8	65.5	66.2	65.5	66.0	65.1	65.3	64.1	64.0	62.5		
65	30.8	32.3	32.7	34.2	34.4	35.7	35.7	36.7	36.4	37.1	36.5	36.8	36.1	36.3	35.5	35.5	34.4		
70	10.0	11.1	11.5	12.5	12.6	13.4	13.3	13.9	13.7	14.2	13.8	14.1	13.5	13.6	12.9	13.0	12.3		
75	0.45	0.60	0.65	0.88	0.91	1.12	1.07	1.24	1.16	1.30	1.20	1.30	1.17	1.22	1.00	0.96	0.73		
80	0.07	0.03	0.09	0.03	0.10	0.03	0.10	0.04	0.11	0.04	0.10	0.04	0.09	0.03	0.09	0.04	0.09		
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00		
100	0.03	0.07	0.01	0.07	0.02	0.06	0.01	0.07	0.01	0.06	0.01	0.07	0.01	0.06	0.01	0.07	0.02		
105	0.10	0.15	0.10	0.15	0.09	0.14	0.08	0.15	0.08	0.14	0.08	0.15	0.08	0.14	0.09	0.14	0.09		
110	0.20	0.25	0.20	0.25	0.19	0.25	0.19	0.24	0.18	0.23	0.17	0.23	0.18	0.24	0.18	0.24	0.19		
115	0.33	0.38	0.31	0.37	0.30	0.36	0.30	0.35	0.29	0.35	0.29	0.35	0.30	0.35	0.30	0.37	0.31		
120	0.47	0.51	0.46	0.51	0.45	0.50	0.44	0.49	0.44	0.48	0.42	0.49	0.43	0.49	0.44	0.51	0.45		
125	0.63	0.67	0.61	0.66	0.61	0.65	0.59	0.66	0.62	0.64	0.58	0.63	0.58	0.64	0.59	0.65	0.62		
130	0.80	0.83	0.77	0.82	0.76	0.81	0.75	0.82	0.77	0.80	0.74	0.80	0.75	0.81	0.76	0.82	0.78		
135	0.96	1.01	0.94	0.98	0.92	0.98	0.93	0.98	0.93	0.98	0.90	0.97	0.91	0.97	0.93	0.98	0.94		
140	1.13	1.16	1.11	1.16	1.09	1.15	1.08	1.15	1.09	1.15	1.08	1.14	1.08	1.14	1.09	1.16	1.12		
145	1.30	1.35	1.29	1.33	1.28	1.31	1.26	1.32	1.26	1.30	1.25	1.31	1.26	1.31	1.27	1.33	1.29		
150	1.47	1.51	1.45	1.50	1.44	1.48	1.44	1.50	1.43	1.49	1.43	1.49	1.43	1.48	1.44	1.50	1.46		
155	1.63	1.67	1.61	1.66	1.60	1.66	1.59	1.65	1.59	1.65	1.59	1.65	1.59	1.65	1.60	1.67	1.62		
160	1.77	1.84	1.76	1.81	1.76	1.81	1.75	1.81	1.75	1.80	1.74	1.80	1.75	1.80	1.75	1.81	1.77		
165	1.91	1.96	1.90	1.96	1.89	1.94	1.89	1.94	1.89	1.93	1.88	1.93	1.87	1.94	1.88	1.95	1.90		
170	2.02	2.08	2.02	2.07	2.00	2.05	1.98	2.04	1.98	2.04	1.99	2.05	1.99	2.05	2.00	2.06	2.01		
175	2.11	2.16	2.11	2.16	2.10	2.14	2.08	2.14	2.08	2.14	2.08	2.14	2.09	2.15	2.10	2.15	2.09		
180	2.15	2.16	2.16	2.16	2.16	2.17	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.17	2.16	2.16	2.16		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:31 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks: