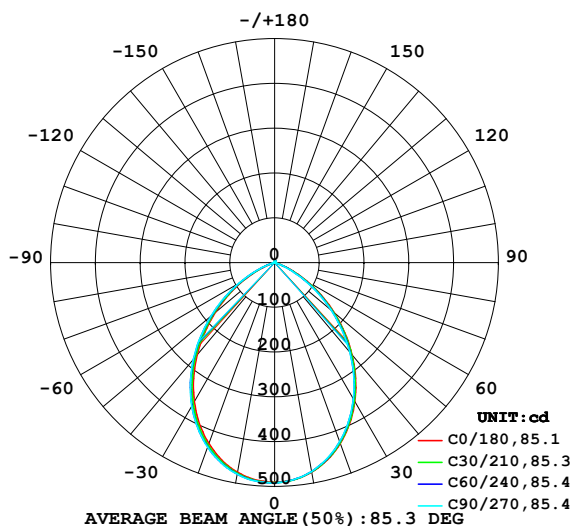


LUMINAIRE PHOTOMETRIC TEST REPORT

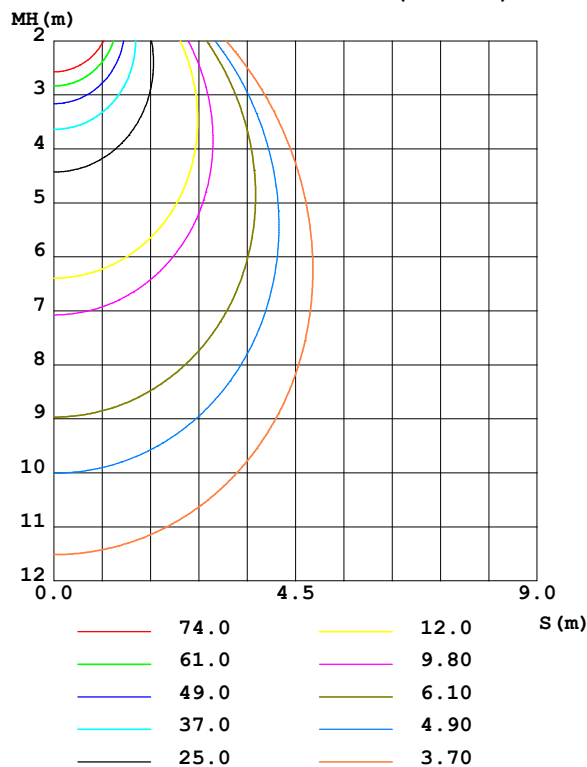
Test:U:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 76.85 lm/W
MODEL	XL-1002-S12W	I _{max} (cd)	492.0	S/MH(C0/180)	1.11	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.14	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	894.74	η UP,DN(C0-180)	0.4,48.2	
NOMINAL FLUX(lm)	894.745	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 °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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	475.2	474.4	473.8	473.8	475.6	478.9	480.1	479.0	0- 10	46.21	46.21	5.16,5.16
20	429.7	427.1	425.4	425.5	430.0	436.1	438.1	436.2	10- 20	128.6	174.8	19.5,19.5
30	358.4	354.5	351.9	351.5	358.7	366.9	370.1	367.7	20- 30	183.0	357.8	40,40
40	269.7	265.1	261.5	260.1	269.4	278.4	282.4	280.6	30- 40	197.8	555.6	62.1,62.1
50	173.8	168.7	164.2	162.7	172.6	180.5	184.9	184.2	40- 50	171.3	726.9	81.2,81.2
60	83.69	77.64	73.86	73.00	80.90	87.57	91.64	91.00	50- 60	113.4	840.2	93.9,93.9
70	15.29	12.18	10.15	10.53	13.50	17.52	19.11	18.84	60- 70	44.53	884.8	98.9,98.9
80	0.1352	0.0761	0.0390	0.0731	0	0.1240	0.1637	0.1261	70- 80	3.470	888.2	99.3,99.3
90	0.0112	0.0226	0.0451	0.0225	0.0001	0.0000	0	0	80- 90	0.0252	888.3	99.3,99.3
100	0.1346	0.1851	0.2247	0.1964	0.1407	0.0983	0.0560	0.0844	90-100	0.0660	888.3	99.3,99.3
110	0.4316	0.4915	0.5287	0.5052	0.3823	0.3371	0.2975	0.3228	100-110	0.2806	888.6	99.3,99.3
120	0.8527	0.9121	0.9610	0.9372	0.7704	0.7044	0.6673	0.6823	110-120	0.5964	889.2	99.4,99.4
130	1.336	1.401	1.455	1.426	1.225	1.145	1.133	1.125	120-130	0.9292	890.1	99.5,99.5
140	1.824	1.881	1.937	1.917	1.702	1.620	1.583	1.595	130-140	1.169	891.3	99.6,99.6
150	2.290	2.339	2.426	2.389	2.173	2.094	2.055	2.071	140-150	1.246	892.5	99.8,99.8
160	2.683	2.726	2.802	2.776	2.605	2.535	2.498	2.518	150-160	1.124	893.7	99.9,99.9
170	2.964	3.001	3.043	3.043	2.942	2.894	2.841	2.872	160-170	0.7920	894.5	100,100
180	3.066	3.091	3.077	3.096	3.066	3.091	3.071	3.085	170-180	0.2878	894.7	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]

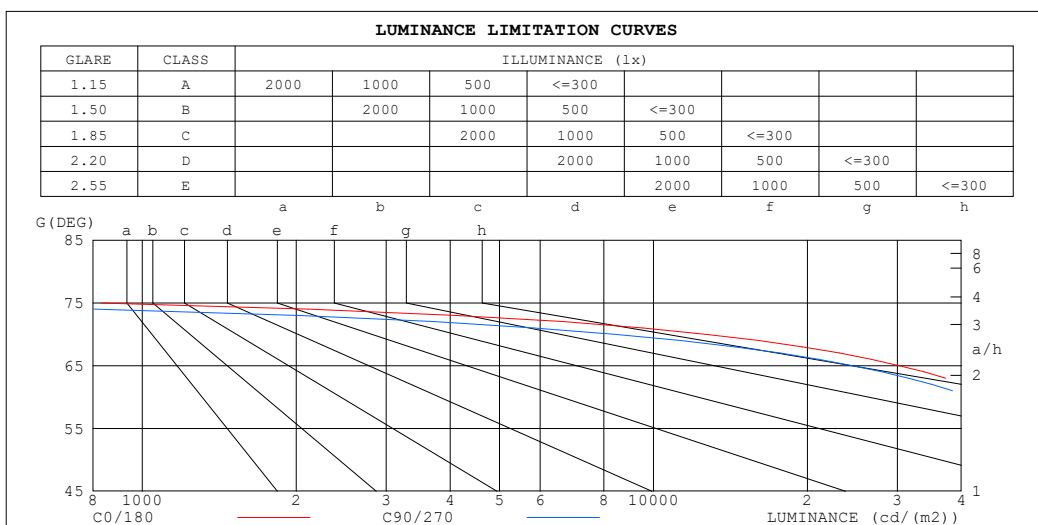
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz

Lamp Flux:894.745x1 lm

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



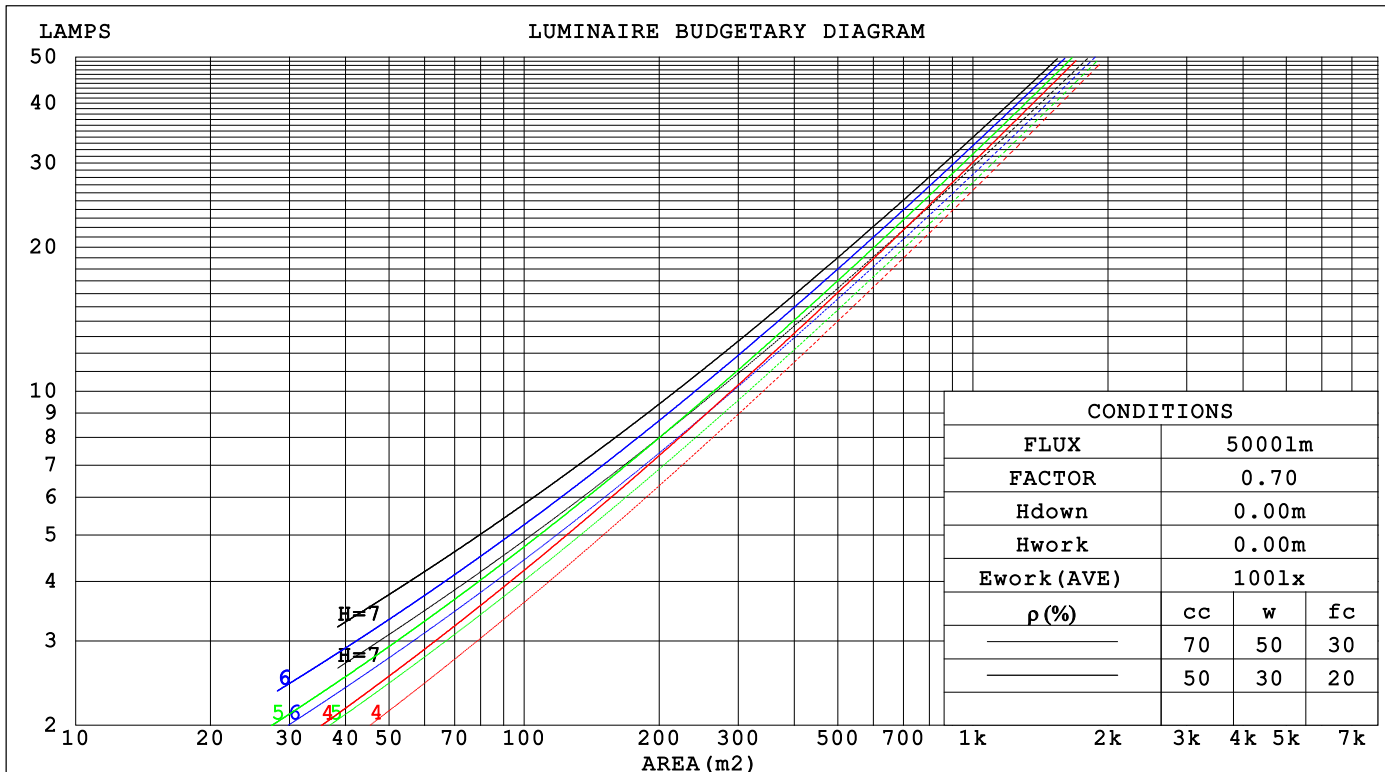
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 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	.52	.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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 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	.187	.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	.182	.095	.028	.175	.092	.027	.168	.090	.027		
6.0	.184	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.025	.160	.084	.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	.070	.020		
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.137	.068	.019	.132	.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	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.180	.162	.146	.154	.139	.126	.106	.096	.087	.061	.055	.051	.019	.018	.016		
2.0	.169	.138	.112	.145	.119	.097	.099	.082	.067	.057	.048	.039	.018	.015	.013		
3.0	.160	.120	.088	.137	.103	.076	.094	.072	.053	.054	.042	.031	.017	.014	.010		
4.0	.152	.106	.070	.130	.091	.061	.090	.064	.043	.052	.037	.026	.017	.012	.008		
5.0	.145	.095	.058	.124	.082	.051	.085	.057	.036	.050	.034	.021	.016	.011	.007		
6.0	.138	.086	.049	.119	.075	.043	.082	.052	.030	.047	.031	.018	.015	.010	.006		
7.0	.132	.079	.042	.113	.069	.037	.078	.048	.026	.045	.028	.016	.015	.009	.005		
8.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.044	.026	.014	.014	.009	.005		
9.0	.121	.068	.033	.104	.059	.029	.072	.042	.020	.042	.025	.012	.014	.008	.004		
10.0	.116	.064	.030	.100	.056	.026	.069	.039	.019	.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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 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	27.7	26.8	27.9	28.1
4H	26.8	27.9	27.1	28.1	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	26.6	27.6	27.0	27.9	28.2	26.2	27.2	26.6	27.5	27.8
12H	26.6	27.5	26.9	27.8	28.1	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	26.9	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	28.0	26.3	26.8	26.7	27.2	27.7
8H	26.6	27.1	27.0	27.5	28.0	26.2	26.7	26.7	27.1	27.6
12H	26.5	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	27.0	27.5	28.0	26.2	26.7	26.7	27.1	27.6
8H	26.5	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 / - 3.1				

CIE Pub.117, 894.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

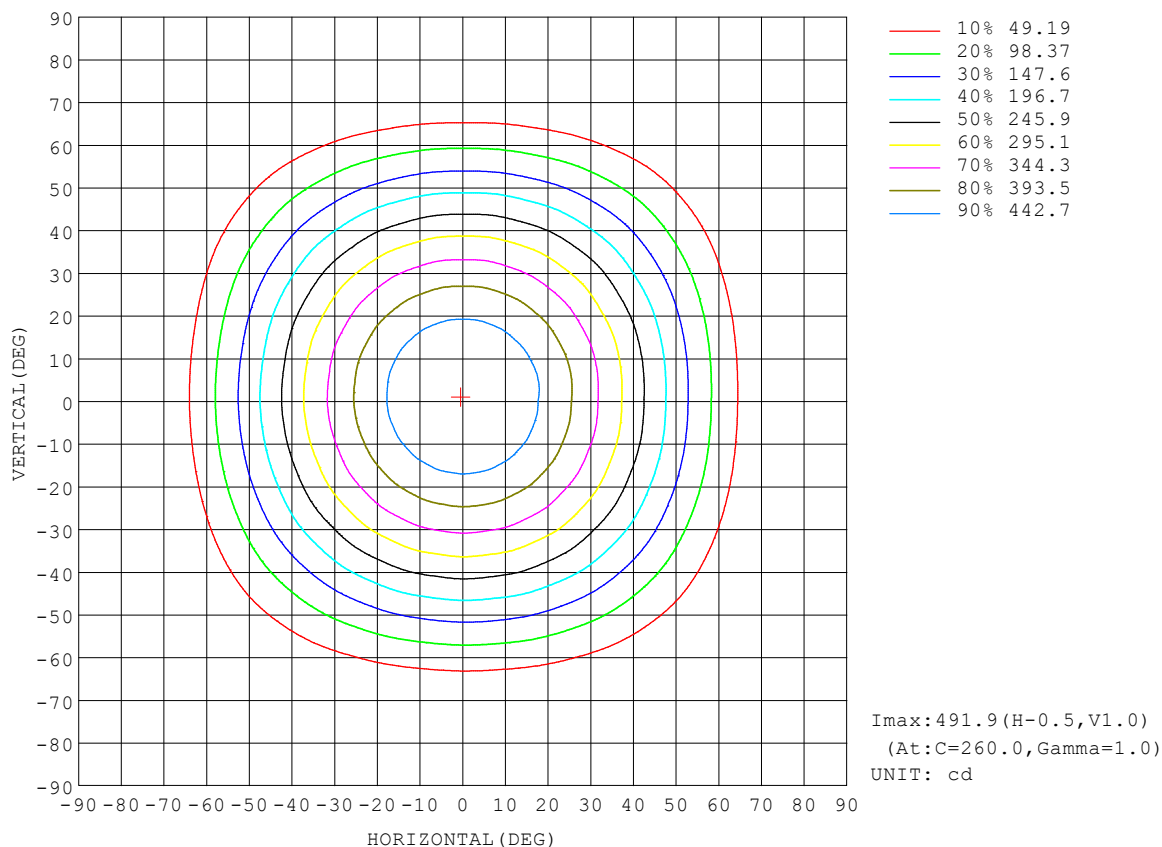
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	57	51	66	57	51	65	57	51	46
0.80	77	68	62	76	68	62	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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

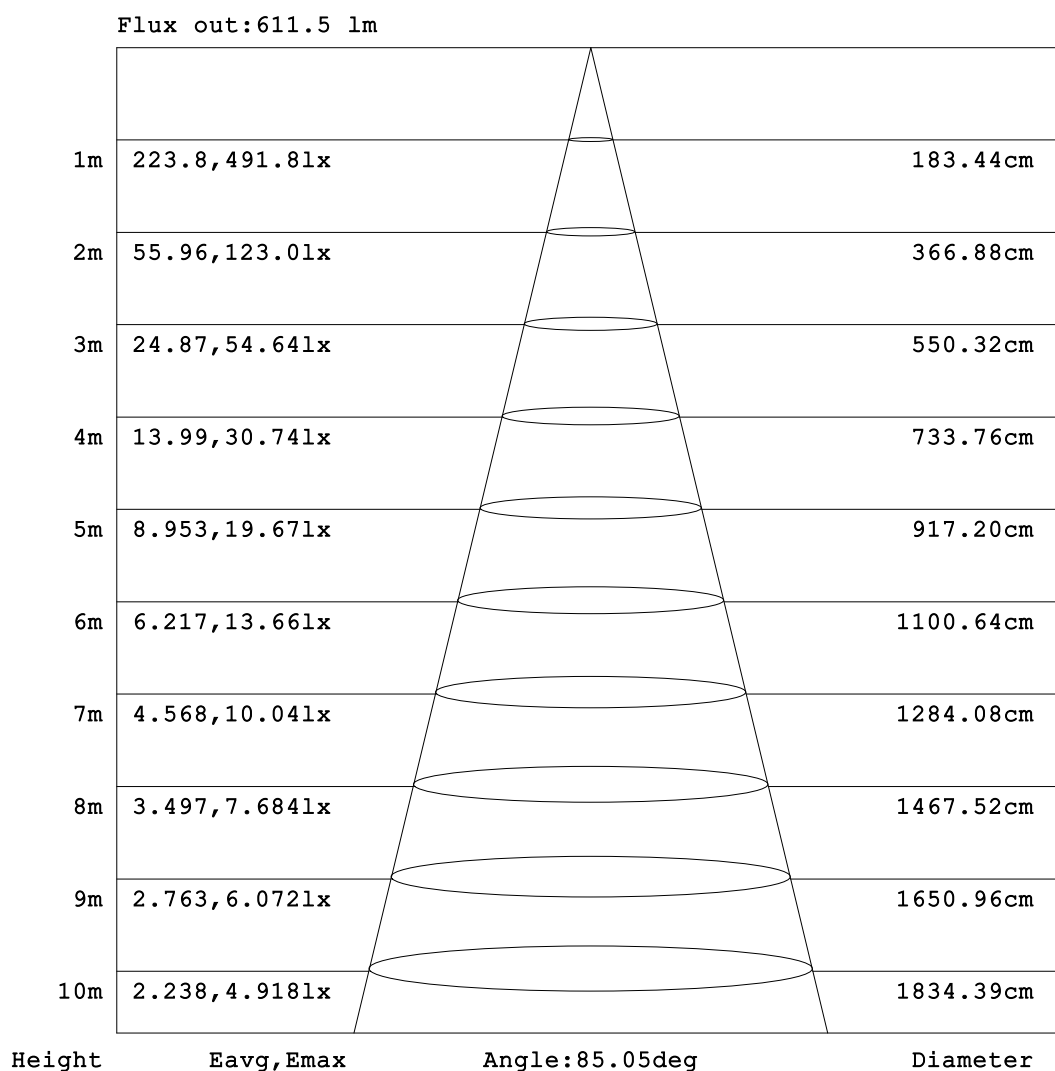


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 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°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

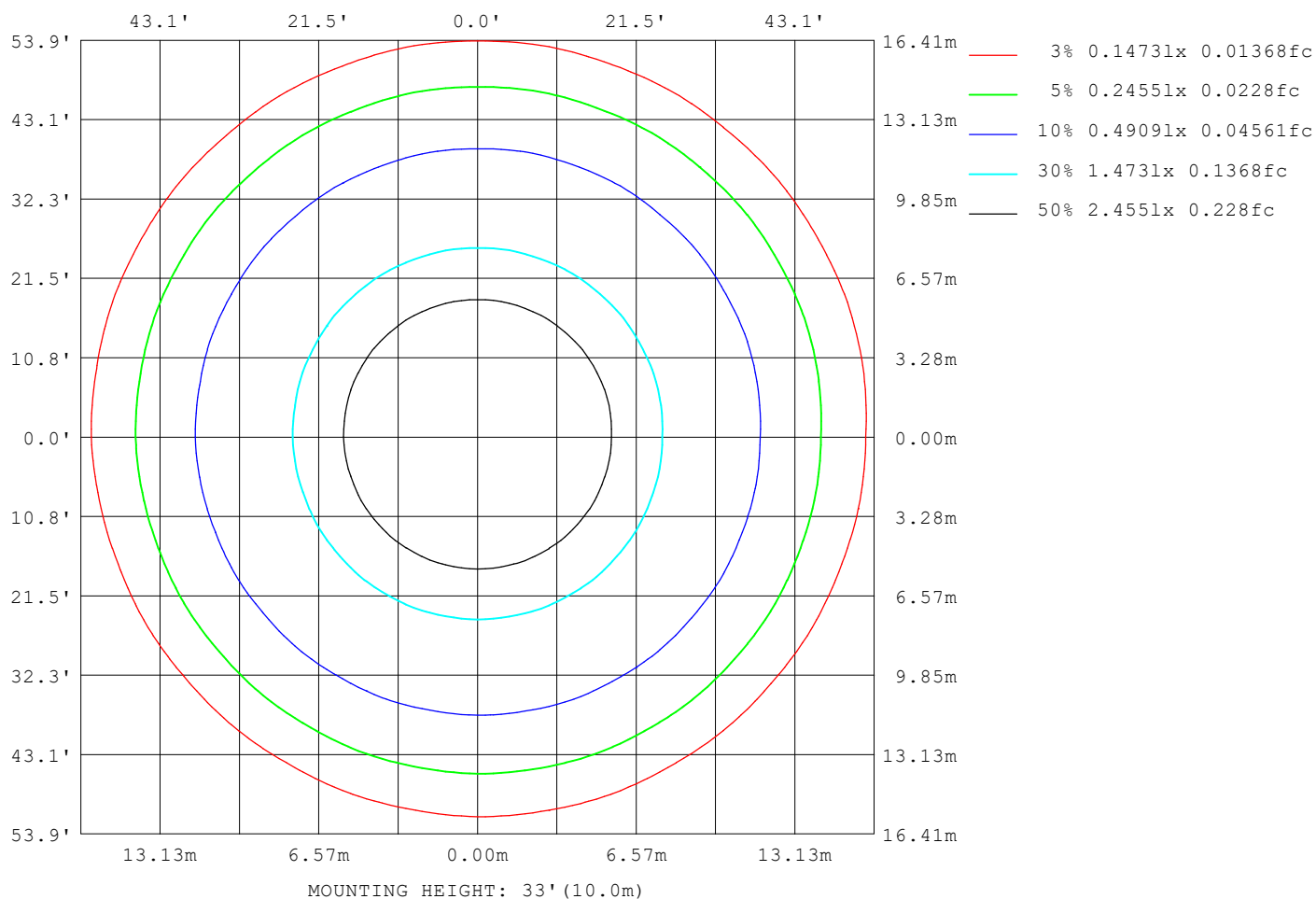
Humidity: 65.0%

Test Distance: 8.910m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

Test:U:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D67	Shielding Angle:

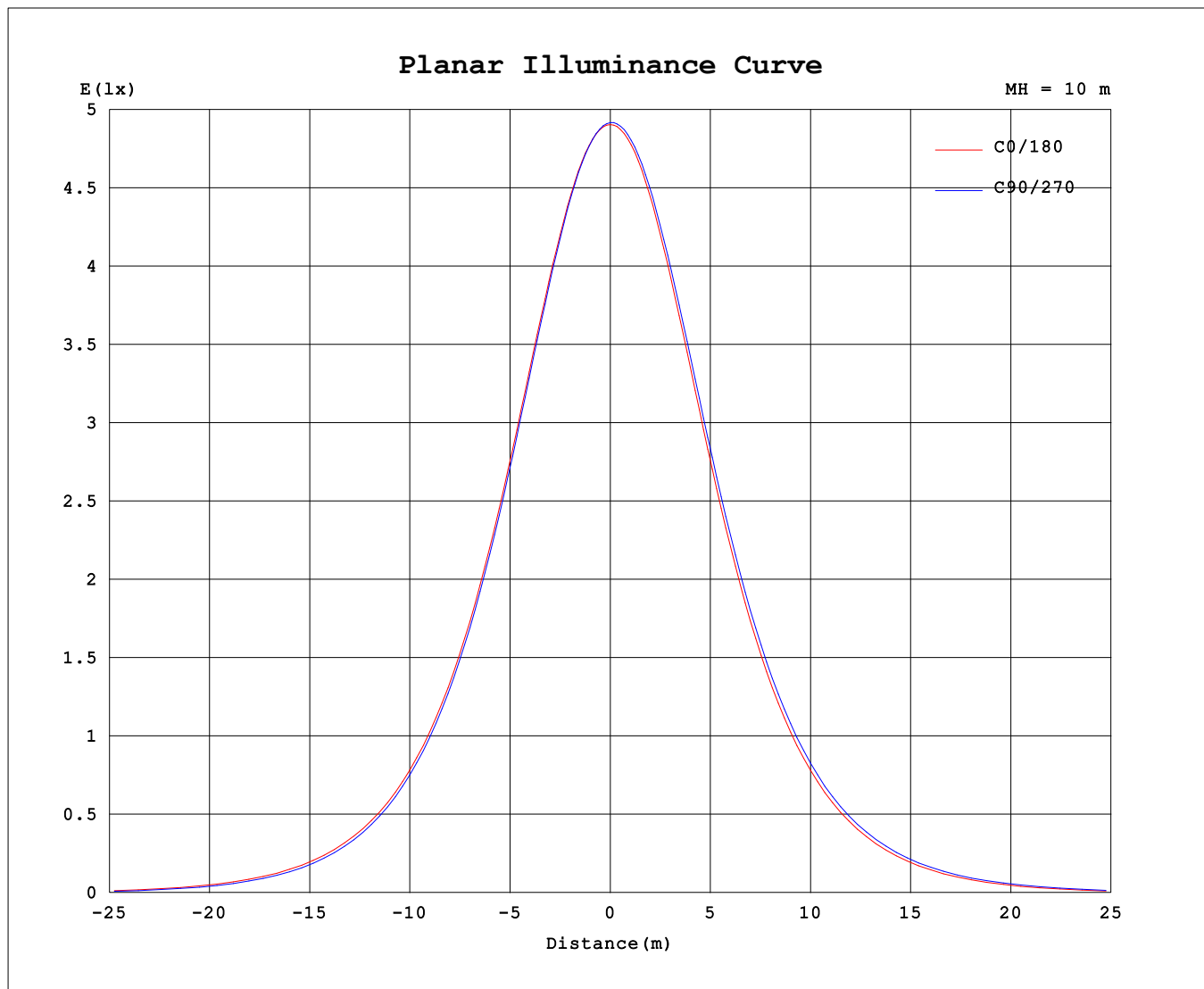
AvgL	cd/m2
L_0~180 (65) av	29296
L_0~180 (75) av	652
L_0~180 (85) av	37
L_90~270 (65) av	29352
L_90~270 (75) av	1149
L_90~270 (85) av	64
L_45 (65) av	29276
L_45 (75) av	1089
L_45 (85) av	29

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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 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	490	491	491	491	492	492	492	492	492	492	492	492	492	491	491	491	492	492	490
5	487	487	487	487	487	487	487	487	486	486	486	487	486	486	486	487	487	488	487
10	475	475	475	475	474	474	474	474	474	474	473	474	473	474	474	474	475	476	476
15	456	456	455	455	454	454	453	454	453	453	453	453	453	453	453	454	454	456	456
20	430	430	428	428	427	427	426	426	425	425	424	425	425	426	425	427	427	429	430
25	397	397	395	395	394	394	392	392	391	391	390	391	390	392	391	393	393	395	397
30	358	358	356	356	354	355	353	353	351	352	350	352	350	352	351	353	353	356	359
35	316	316	313	314	311	312	309	310	307	308	306	308	306	308	307	310	309	313	316
40	270	270	267	267	265	265	263	263	261	261	259	260	259	261	260	262	262	266	269
45	222	222	219	219	217	217	214	215	212	213	210	211	210	212	211	214	214	217	221
50	174	174	171	171	169	169	166	166	164	164	162	163	162	163	162	165	166	169	173
55	127	127	124	124	122	121	119	119	117	117	115	116	115	116	116	118	119	122	125
60	83.7	82.9	80.5	80.0	77.8	77.5	75.7	75.6	73.9	73.9	72.3	72.6	71.8	73.0	73.0	75.0	75.5	77.8	80.9
65	45.1	44.4	42.3	41.6	39.9	39.5	37.9	37.7	36.4	36.5	35.6	36.0	35.5	36.4	36.4	37.8	37.9	39.7	42.2
70	15.3	15.1	14.0	13.7	12.4	11.9	10.8	10.6	9.91	10.1	9.81	10.5	10.3	10.7	10.3	10.9	10.9	11.8	13.5
75	0.76	0.74	0.63	0.59	0.58	0.50	0.52	0.46	0.49	0.45	0.49	0.46	0.49	0.47	0.51	0.49	0.42	0.27	0.43
80	0.14	0.07	0.12	0.05	0.11	0.04	0.11	0.04	0.10	0.04	0.10	0.04	0.10	0.04	0.11	0.03	0.06	0.00	0.00
85	0.02	0.01	0.02	0.01	0.03	0.01	0.03	0.02	0.03	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.00
90	0.01	0.03	0.01	0.03	0.01	0.03	0.02	0.05	0.01	0.05	0.02	0.04	0.02	0.04	0.01	0.04	0.00	0.03	0.00
95	0.04	0.09	0.04	0.11	0.05	0.11	0.05	0.12	0.06	0.12	0.06	0.12	0.07	0.11	0.06	0.12	0.05	0.11	0.06
100	0.13	0.19	0.15	0.21	0.16	0.21	0.16	0.21	0.16	0.22	0.17	0.21	0.17	0.22	0.17	0.22	0.17	0.21	0.14
105	0.27	0.33	0.28	0.34	0.29	0.35	0.29	0.35	0.31	0.36	0.31	0.37	0.31	0.37	0.31	0.36	0.30	0.35	0.25
110	0.43	0.49	0.45	0.51	0.46	0.52	0.47	0.53	0.48	0.53	0.49	0.53	0.48	0.53	0.48	0.53	0.47	0.52	0.38
115	0.63	0.69	0.64	0.70	0.66	0.72	0.66	0.73	0.68	0.74	0.68	0.74	0.68	0.73	0.68	0.73	0.67	0.73	0.57
120	0.85	0.92	0.87	0.92	0.88	0.94	0.89	0.96	0.90	0.96	0.91	0.97	0.91	0.96	0.91	0.96	0.90	0.94	0.77
125	1.10	1.15	1.11	1.16	1.12	1.18	1.13	1.20	1.15	1.21	1.15	1.20	1.15	1.21	1.14	1.19	1.15	1.19	0.99
130	1.34	1.40	1.35	1.40	1.37	1.43	1.38	1.43	1.39	1.45	1.40	1.45	1.41	1.46	1.40	1.44	1.39	1.44	1.23
135	1.59	1.64	1.60	1.65	1.61	1.67	1.63	1.69	1.64	1.70	1.66	1.71	1.66	1.70	1.65	1.69	1.64	1.69	1.45
140	1.82	1.88	1.83	1.89	1.85	1.91	1.86	1.92	1.88	1.94	1.90	1.94	1.89	1.94	1.89	1.94	1.89	1.93	1.70
145	2.06	2.12	2.07	2.13	2.08	2.16	2.10	2.16	2.12	2.18	2.14	2.18	2.14	2.19	2.13	2.18	2.12	2.19	1.94
150	2.29	2.34	2.29	2.35	2.31	2.37	2.34	2.40	2.35	2.43	2.37	2.43	2.36	2.42	2.36	2.41	2.35	2.41	2.17
155	2.50	2.55	2.50	2.55	2.50	2.58	2.53	2.60	2.56	2.62	2.57	2.62	2.57	2.62	2.56	2.61	2.56	2.62	2.40
160	2.68	2.73	2.68	2.74	2.69	2.76	2.71	2.79	2.74	2.80	2.75	2.81	2.75	2.81	2.75	2.80	2.75	2.80	2.61
165	2.84	2.90	2.84	2.90	2.84	2.91	2.87	2.93	2.89	2.95	2.89	2.95	2.89	2.95	2.90	2.96	2.90	2.96	2.80
170	2.96	3.02	2.96	3.03	2.96	3.04	2.99	3.04	2.99	3.04	2.99	3.05	3.00	3.07	3.01	3.08	3.02	3.08	2.94
175	3.03	3.07	3.04	3.08	3.06	3.09	3.07	3.10	3.06	3.08	3.05	3.08	3.07	3.09	3.09	3.10	3.08	3.09	3.05
180	3.07	3.07	3.07	3.08	3.09	3.09	3.10	3.10	3.08	3.08	3.08	3.08	3.09	3.09	3.10	3.10	3.09	3.09	3.07

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:230.17V I:0.0955A P:11.643W PF:0.5299 Freq:60.00Hz Lamp Flux:894.745x1 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	491	491	491	492	492	492	492	492	492	492	492	492	491	491	491	492	492		
5	487	488	488	489	489	490	490	490	490	490	490	489	489	489	489	489	488		
10	476	477	478	479	479	480	480	480	480	480	480	480	479	479	478	478	477		
15	457	459	459	461	461	462	463	463	463	463	463	462	461	461	460	460	459		
20	431	433	434	436	436	438	438	439	438	439	438	438	436	436	435	434	433		
25	398	401	402	404	405	407	406	408	407	408	407	407	405	405	403	403	400		
30	360	363	364	367	367	369	369	371	370	371	370	370	368	368	365	365	362		
35	317	321	321	325	325	328	327	329	328	330	328	328	326	326	323	323	320		
40	270	274	275	278	278	282	281	283	282	284	282	283	281	281	277	277	274		
45	222	226	226	230	230	233	233	235	234	236	234	235	233	233	230	230	226		
50	173	177	177	180	181	184	183	186	185	187	185	186	184	184	181	181	178		
55	126	129	130	132	133	135	136	138	137	138	137	138	137	137	134	134	131		
60	81.7	84.3	85.0	87.3	87.9	90.0	90.4	92.1	91.6	92.6	91.4	92.2	90.8	91.2	89.5	89.4	87.2		
65	42.9	45.0	45.7	47.7	48.2	49.8	49.9	51.2	50.9	51.8	51.0	51.4	50.3	50.6	49.4	49.5	47.9		
70	14.0	15.4	16.0	17.4	17.7	18.7	18.6	19.4	19.1	19.8	19.3	19.6	18.8	18.9	18.0	18.1	17.0		
75	0.65	0.87	0.92	1.23	1.24	1.56	1.51	1.76	1.65	1.86	1.70	1.86	1.65	1.75	1.41	1.37	1.07		
80	0.12	0.08	0.15	0.09	0.16	0.10	0.16	0.10	0.16	0.11	0.17	0.10	0.15	0.10	0.15	0.09	0.14		
85	0.01	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		
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	0.06	0.00	0.05	0.00	0.05	0.00	0.04	0.00	0.04	0.00	0.03	0.00	0.04	0.00	0.05	0.00		
100	0.08	0.12	0.07	0.13	0.07	0.12	0.06	0.12	0.06	0.11	0.05	0.11	0.06	0.11	0.06	0.11	0.07		
105	0.19	0.24	0.17	0.23	0.17	0.22	0.17	0.22	0.16	0.21	0.16	0.22	0.17	0.22	0.17	0.23	0.18		
110	0.34	0.38	0.31	0.37	0.31	0.35	0.30	0.35	0.30	0.35	0.29	0.35	0.29	0.35	0.30	0.36	0.31		
115	0.50	0.56	0.49	0.53	0.48	0.52	0.47	0.52	0.46	0.52	0.45	0.51	0.46	0.52	0.47	0.53	0.49		
120	0.70	0.76	0.69	0.74	0.67	0.72	0.66	0.71	0.67	0.71	0.65	0.70	0.66	0.71	0.66	0.73	0.68		
125	0.93	0.97	0.90	0.94	0.89	0.94	0.88	0.95	0.91	0.92	0.86	0.91	0.86	0.93	0.88	0.94	0.91		
130	1.16	1.20	1.14	1.17	1.12	1.16	1.11	1.17	1.13	1.15	1.09	1.14	1.09	1.16	1.11	1.16	1.13		
135	1.39	1.43	1.37	1.41	1.34	1.39	1.34	1.40	1.36	1.39	1.32	1.38	1.33	1.39	1.34	1.40	1.37		
140	1.63	1.67	1.61	1.65	1.59	1.63	1.58	1.63	1.58	1.62	1.56	1.61	1.57	1.62	1.58	1.64	1.61		
145	1.86	1.90	1.84	1.88	1.82	1.86	1.80	1.86	1.80	1.85	1.79	1.85	1.80	1.86	1.81	1.88	1.86		
150	2.11	2.14	2.07	2.12	2.07	2.11	2.05	2.11	2.05	2.09	2.04	2.09	2.04	2.10	2.05	2.11	2.08		
155	2.33	2.37	2.30	2.35	2.28	2.34	2.28	2.34	2.28	2.33	2.27	2.32	2.27	2.32	2.28	2.35	2.31		
160	2.54	2.59	2.52	2.57	2.50	2.56	2.51	2.56	2.50	2.55	2.50	2.54	2.49	2.54	2.49	2.57	2.53		
165	2.73	2.79	2.72	2.77	2.69	2.76	2.69	2.76	2.69	2.75	2.69	2.75	2.68	2.74	2.69	2.76	2.71		
170	2.89	2.95	2.88	2.93	2.86	2.91	2.84	2.89	2.84	2.90	2.85	2.90	2.85	2.90	2.85	2.92	2.87		
175	3.00	3.06	3.00	3.05	3.00	3.05	2.98	3.03	2.96	3.04	2.99	3.05	2.99	3.04	2.99	3.04	2.99		
180	3.07	3.08	3.08	3.09	3.09	3.09	3.07	3.08	3.07	3.08	3.07	3.08	3.08	3.09	3.08	3.08	3.08		

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: