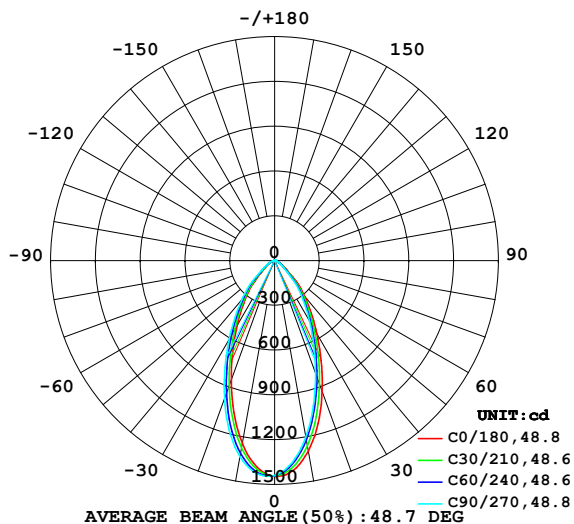


LUMINAIRE PHOTOMETRIC TEST REPORT

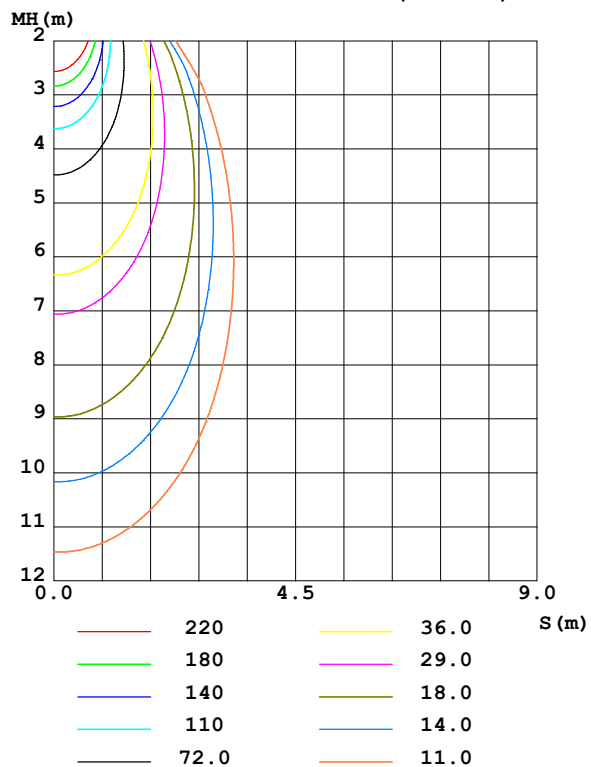
Test:U:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.52 lm/W
MODEL	XY-HA1 C15	I _{max} (cd)	1446	S/MH(C0/180)	0.72	
NOMINAL POWER(W)	15W	LOR(%)	100.0	S/MH(C90/270)	0.81	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1286.4	η UP,DN(C0-180)	0.4,45.7	
NOMINAL FLUX(lm)	1286.38	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,53.6	
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230	η down (%)	99.3	CIBSE SHR MAX	0.80	

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	1297	1241	1202	1195	1246	1295	1335	1338	0- 10	129.0	129.0	10,10
20	932.2	854.1	803.1	793.8	851.4	917.9	983.5	999.5	10- 20	302.2	431.1	33.5,33.5
30	568.9	509.7	468.7	460.6	504.8	557.7	610.7	624.4	20- 30	322.0	753.1	58.5,58.5
40	315.8	278.7	253.2	246.3	272.8	307.0	341.3	350.7	30- 40	253.0	1006	78.2,78.2
50	130.2	106.0	93.43	91.12	102.5	122.0	145.3	153.2	40- 50	154.1	1160	90.2,90.2
60	57.88	49.38	43.30	42.07	47.92	55.76	62.41	63.86	50- 60	70.86	1231	95.7,95.7
70	18.18	12.26	10.85	10.70	12.05	17.76	23.00	24.07	60- 70	33.08	1264	98.3,98.3
80	5.902	4.852	4.194	4.053	4.709	6.077	7.077	7.078	70- 80	9.909	1274	99,99
90	0.0989	0.0395	0.0563	0.0478	0.0223	0.0126	0.8762	0.2417	80- 90	2.664	1277	99.3,99.3
100	0.0724	0.1321	0.1914	0.1743	0.1123	0.0589	0.0167	0.0367	90-100	0.0744	1277	99.3,99.3
110	0.3191	0.4128	0.5055	0.4996	0.3431	0.2527	0.1903	0.2105	100-110	0.2159	1277	99.3,99.3
120	0.8066	0.9414	1.080	1.103	0.8035	0.6542	0.5498	0.5730	110-120	0.5493	1278	99.3,99.3
130	1.610	1.799	1.988	2.027	1.562	1.345	1.201	1.216	120-130	1.052	1279	99.4,99.4
140	2.737	2.963	3.198	3.245	2.625	2.343	2.161	2.170	130-140	1.627	1280	99.5,99.5
150	3.986	4.186	4.442	4.461	3.836	3.527	3.352	3.349	140-150	2.052	1282	99.7,99.7
160	4.984	5.112	5.329	5.353	4.852	4.598	4.451	4.443	150-160	2.031	1284	99.8,99.8
170	5.603	5.651	5.722	5.808	5.553	5.370	5.204	5.258	160-170	1.477	1286	100,100
180	5.805	5.822	5.772	5.839	5.805	5.817	5.749	5.814	170-180	0.5389	1286	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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz

Lamp Flux:1286.38x1 lm

NAME:

TYPE: 6500K

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

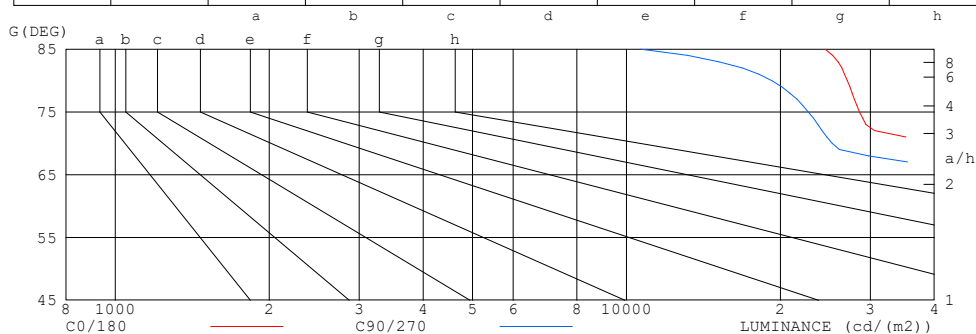
MFR.:

SUR.: D40mm

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	24485	10701
80	27061	19229
75	28554	22677
70	42317	25267
65	71101	46426
60	92159	68954
55	115753	88910
50	161230	115725
45	253679	172373

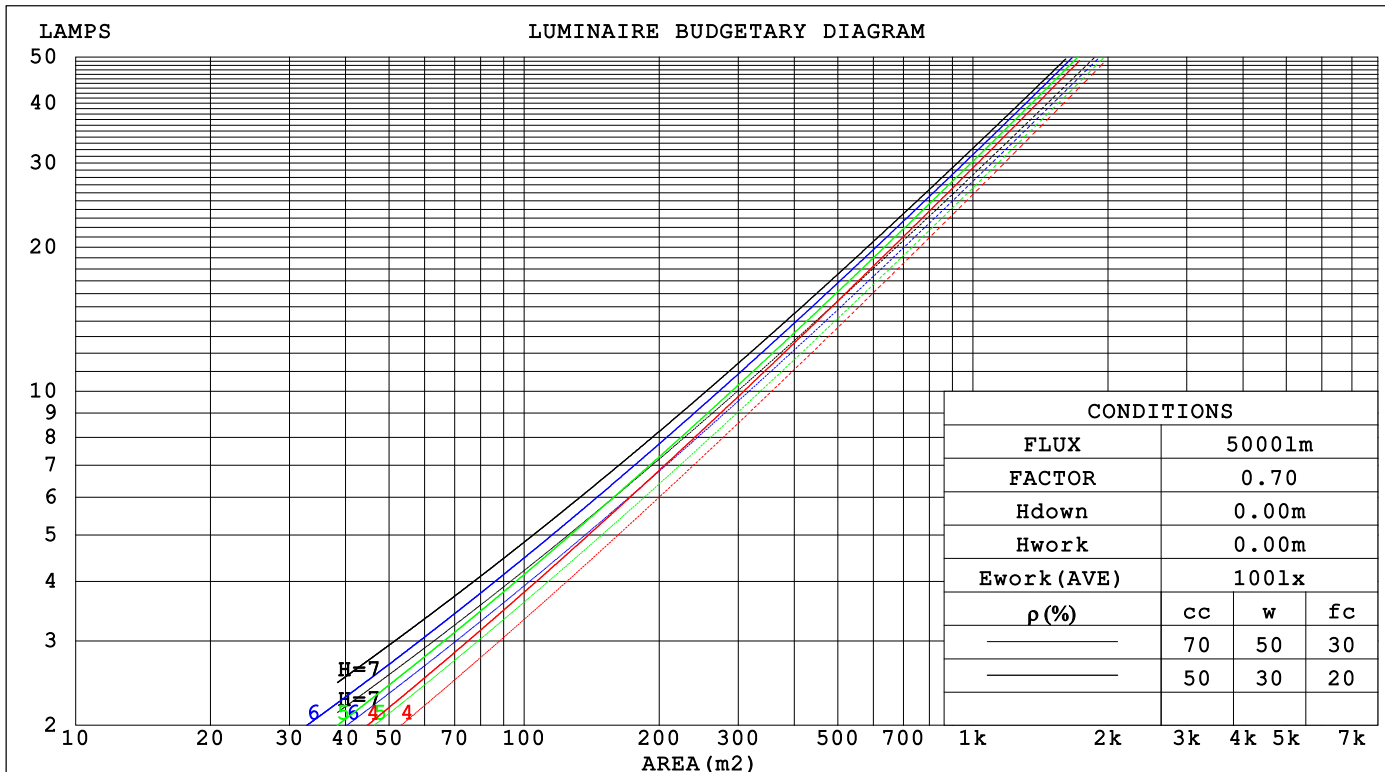
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	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	1.09	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.00	.96	.92	.99	.94	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.87	.82	.91	.86	.81	.88	.84	.80	.85	.82	.79	.83	.80	.77	.76
4.0	.85	.79	.74	.84	.78	.74	.82	.77	.73	.80	.75	.72	.78	.74	.71	.69
5.0	.79	.73	.68	.78	.72	.67	.76	.71	.67	.74	.70	.66	.73	.69	.65	.64
6.0	.74	.67	.62	.73	.66	.62	.71	.66	.61	.70	.65	.61	.68	.64	.60	.59
7.0	.69	.62	.57	.68	.62	.57	.67	.61	.57	.65	.60	.56	.64	.60	.56	.55
8.0	.64	.58	.53	.64	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.52	.51
9.0	.60	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.57	.52	.49	.47
10.0	.57	.51	.46	.56	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44



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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz																	
Lamp Flux:1286.38x1 lm																	
NAME:						TYPE: 6500K						WEIGHT:					
SPEC.:						DIM.:						SERIAL No.:					
MFR.:						SUR.: D40mm						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	.202	.115	.036	.195	.111	.035	.182	.105	.033	.170	.098	.031	.159	.092	.030		
2.0	.195	.107	.033	.189	.104	.032	.178	.099	.031	.167	.094	.029	.158	.089	.028		
3.0	.185	.099	.030	.180	.097	.029	.171	.092	.028	.162	.089	.027	.153	.085	.026		
4.0	.176	.091	.027	.171	.090	.026	.163	.086	.026	.155	.083	.025	.148	.080	.024		
5.0	.167	.085	.025	.163	.083	.024	.155	.081	.024	.148	.078	.023	.142	.076	.023		
6.0	.158	.079	.023	.154	.078	.022	.148	.076	.022	.142	.074	.022	.136	.072	.021		
7.0	.150	.074	.021	.147	.073	.021	.141	.071	.021	.135	.069	.020	.130	.068	.020		
8.0	.143	.070	.020	.140	.069	.019	.134	.067	.019	.130	.066	.019	.125	.064	.019		
9.0	.136	.066	.018	.133	.065	.018	.128	.064	.018	.124	.062	.018	.120	.061	.018		
10.0	.129	.062	.017	.127	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.017		

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	.179	.163	.149	.153	.140	.128	.105	.096	.088	.060	.056	.051	.019	.018	.017		
2.0	.165	.138	.116	.141	.119	.100	.097	.082	.070	.056	.048	.041	.018	.015	.013		
3.0	.154	.120	.092	.132	.103	.080	.091	.072	.056	.052	.042	.033	.017	.014	.011		
4.0	.145	.105	.075	.124	.091	.065	.085	.063	.046	.049	.037	.027	.016	.012	.009		
5.0	.136	.094	.063	.117	.081	.054	.081	.057	.038	.047	.033	.023	.015	.011	.008		
6.0	.129	.085	.053	.111	.074	.046	.077	.051	.033	.044	.030	.019	.014	.010	.006		
7.0	.123	.078	.046	.106	.067	.040	.073	.047	.028	.042	.028	.017	.014	.009	.006		
8.0	.117	.071	.040	.101	.062	.035	.070	.044	.025	.041	.026	.015	.013	.008	.005		
9.0	.112	.066	.036	.096	.058	.031	.067	.040	.022	.039	.024	.013	.013	.008	.004		
10.0	.107	.062	.032	.092	.054	.028	.064	.038	.020	.037	.022	.012	.012	.007	.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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm											
NAME:					TYPE: 6500K			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: D40mm			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	27.8	27.0	28.0	28.2	25.6	26.7	25.8	26.9	27.0
3H		26.9	27.9	27.2	28.1	28.3	25.6	26.6	25.9	26.8	27.0
4H		26.8	27.8	27.1	28.0	28.3	25.6	26.5	25.9	26.7	27.0
6H		26.8	27.7	27.1	27.9	28.2	25.5	26.4	25.8	26.7	26.9
8H		26.8	27.6	27.1	27.9	28.2	25.5	26.3	25.8	26.6	26.9
12H		26.8	27.6	27.1	27.8	28.1	25.5	26.3	25.8	26.5	26.8
4H 2H		26.7	27.6	27.0	27.9	28.1	25.6	26.6	25.9	26.8	27.1
3H		26.9	27.7	27.2	28.0	28.2	25.7	26.5	26.0	26.8	27.1
4H		26.9	27.6	27.2	27.9	28.2	25.7	26.4	26.0	26.7	27.0
6H		26.8	27.5	27.2	27.8	28.2	25.7	26.3	26.1	26.6	27.0
8H		26.8	27.4	27.2	27.8	28.2	25.6	26.2	26.0	26.6	27.0
12H		26.8	27.4	27.2	27.7	28.2	25.6	26.1	26.0	26.5	26.9
8H 4H		26.8	27.3	27.2	27.7	28.1	25.6	26.2	26.0	26.6	26.9
6H		26.8	27.3	27.2	27.7	28.1	25.6	26.1	26.1	26.5	26.9
8H		26.8	27.2	27.2	27.6	28.1	25.6	26.0	26.1	26.5	26.9
12H		26.8	27.1	27.3	27.6	28.1	25.6	25.9	26.1	26.4	26.9
12H 4H		26.7	27.2	27.1	27.6	28.0	25.6	26.1	26.0	26.5	26.9
6H		26.7	27.2	27.2	27.6	28.1	25.6	26.0	26.0	26.4	26.9
8H		26.7	27.1	27.2	27.6	28.1	25.6	25.9	26.1	26.4	26.9
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.4 / - 2.3					+ 1.6 / - 2.7				
1.5H		+ 2.2 / - 2.2					+ 2.1 / - 1.8				
2.0H		+ 3.7 / - 2.2					+ 2.5 / - 2.0				

CIE Pub.117, 1286 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.9)
Area: 0.001256 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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

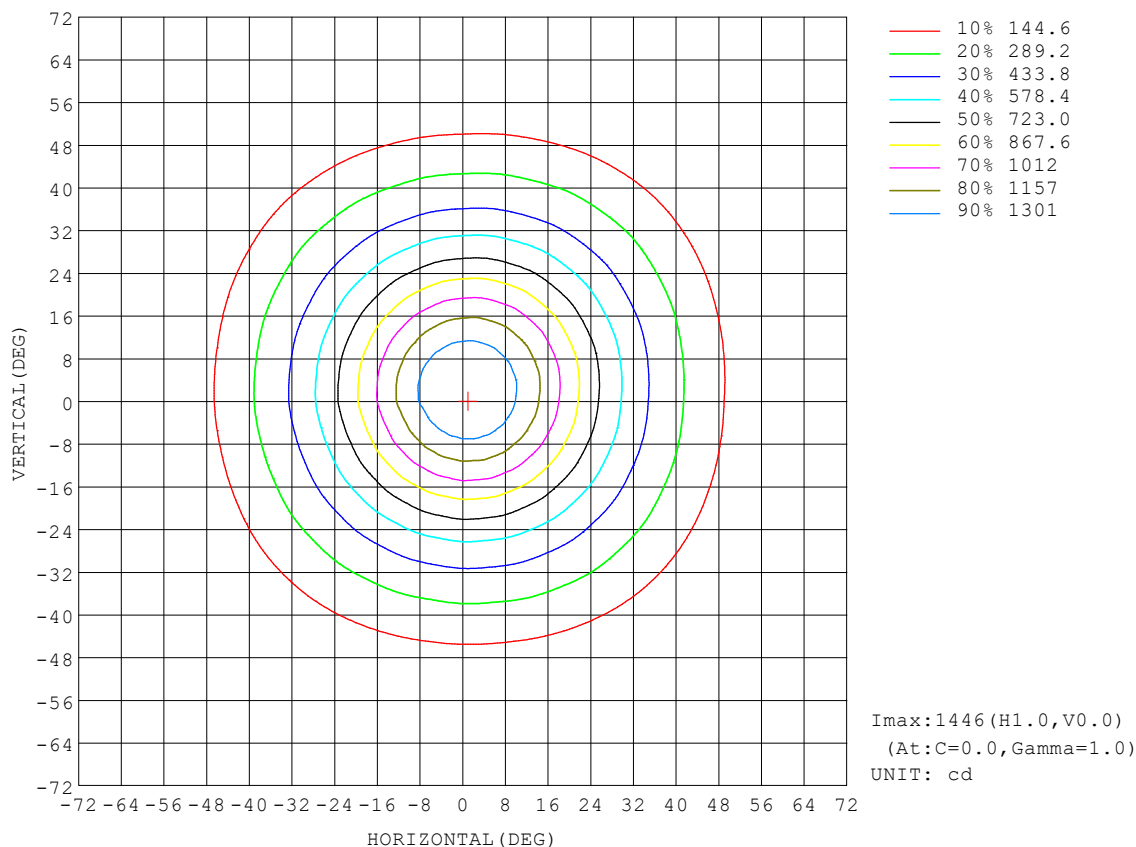
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	65	77	70	65	76	69	65	60
0.80	86	79	74	86	78	74	84	78	73	69
1.00	93	85	81	92	85	81	90	85	80	75
1.25	98	91	87	97	90	86	94	89	85	80
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	103	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	91
4.00	112	108	105	110	107	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

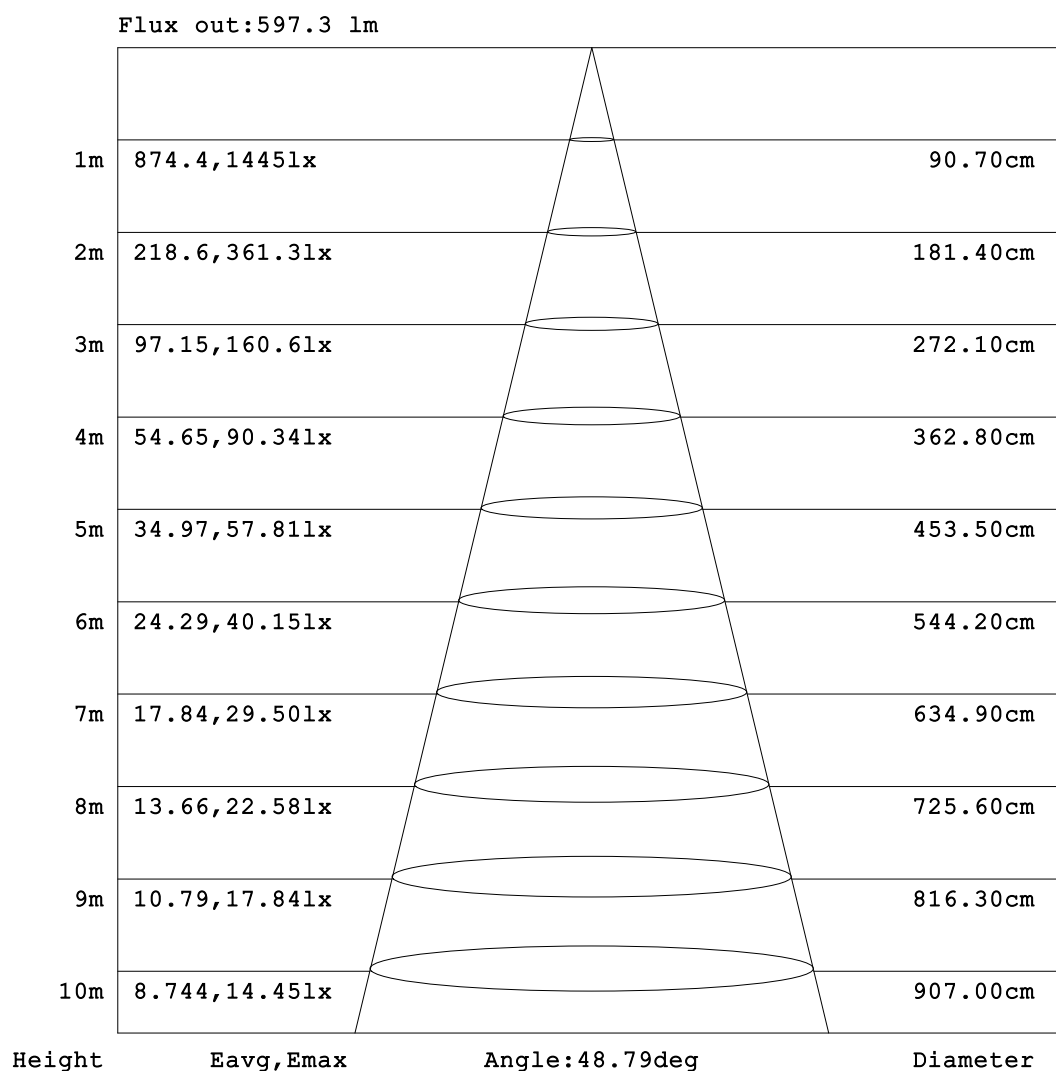


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	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

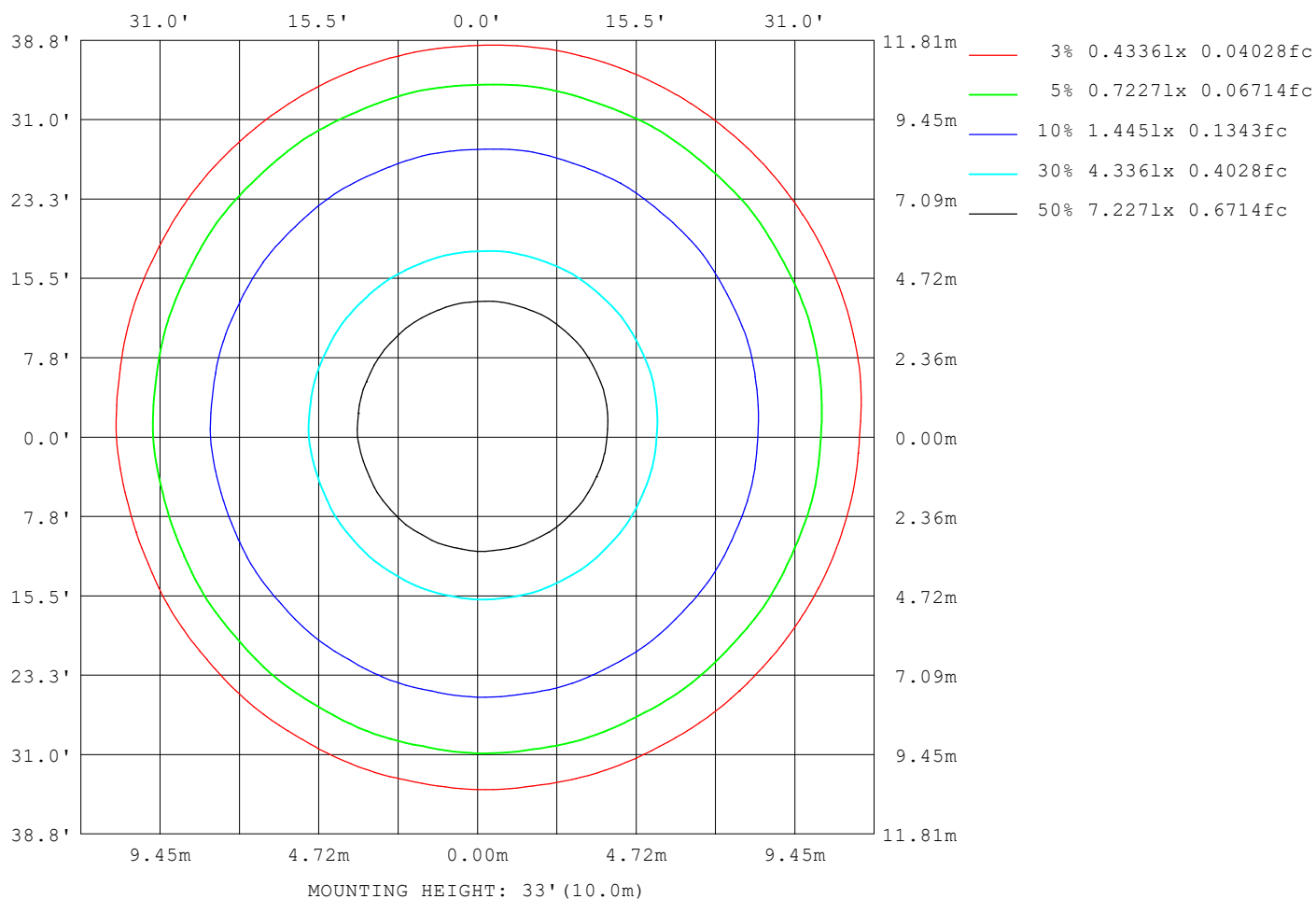
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

Test:U:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	62886
L_0~180 (75) av	26693
L_0~180 (85) av	14873
L_90~270 (65) av	62625
L_90~270 (75) av	27452
L_90~270 (85) av	23163
L_45 (65) av	62677
L_45 (75) av	27260
L_45 (85) av	19054

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

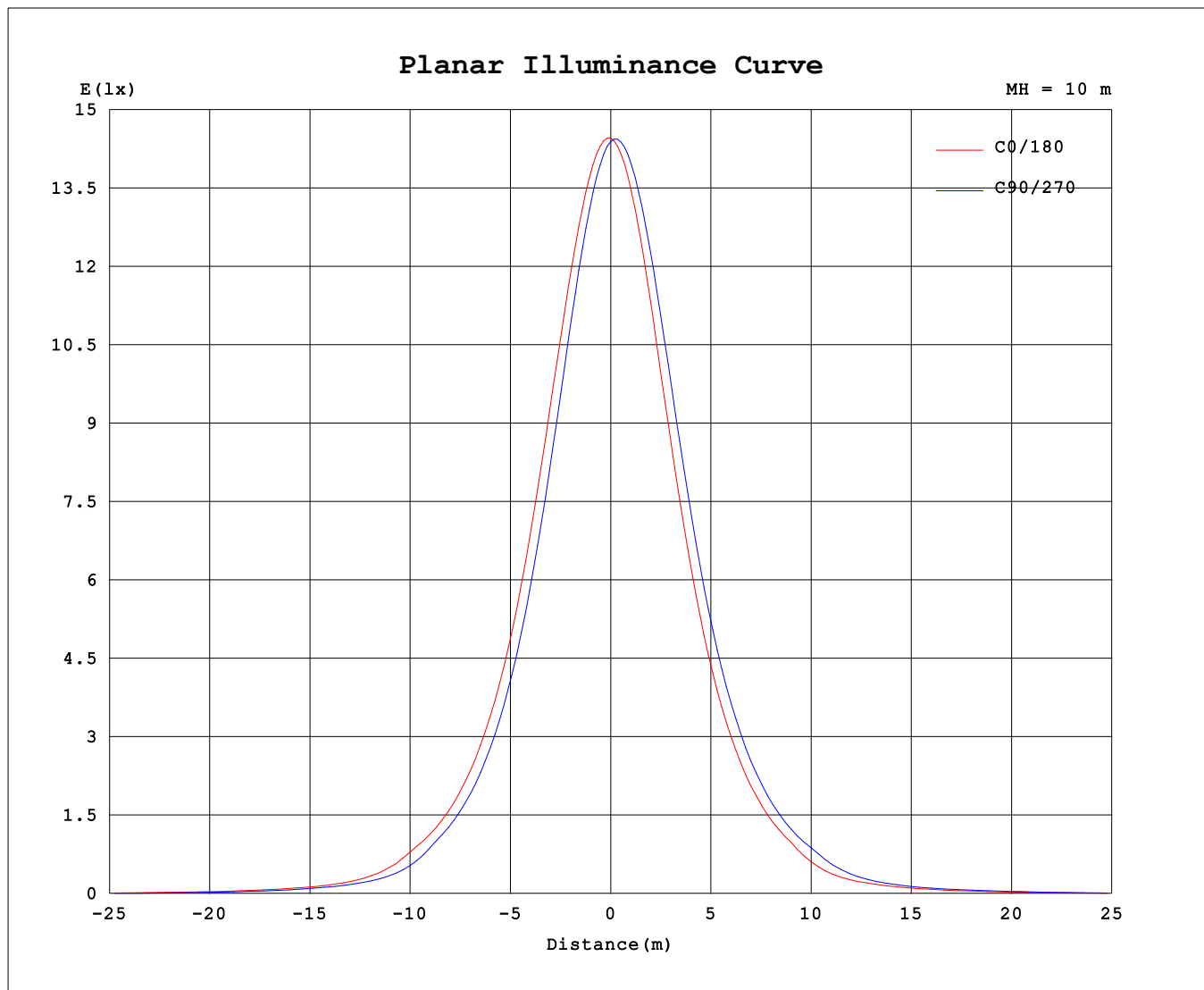
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	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	1445	1444	1443	1442	1442	1442	1440	1440	1439	1439	1437	1438	1436	1437	1436	1437	1436	1437	1445
5	1411	1406	1397	1391	1382	1378	1369	1367	1358	1358	1351	1353	1349	1353	1352	1359	1360	1369	1386
10	1297	1287	1271	1261	1245	1237	1222	1217	1204	1202	1193	1195	1190	1196	1195	1205	1208	1222	1246
15	1129	1116	1094	1081	1060	1050	1032	1024	1009	1006	994	996	990	997	996	1008	1012	1029	1054
20	932	918	894	881	860	848	830	822	806	803	792	793	787	794	794	806	810	826	851
25	739	726	705	692	673	663	646	639	625	621	611	612	606	612	612	623	627	642	664
30	569	558	540	530	514	506	491	485	472	469	460	461	456	461	460	469	473	486	505
35	428	420	406	397	384	378	366	361	350	348	340	342	336	342	339	348	349	361	375
40	316	310	298	292	281	276	267	263	255	253	247	248	244	247	246	251	253	261	273
45	225	218	204	196	182	176	169	162	157	153	151	149	149	149	150	152	156	161	173
50	130	125	118	114	108	104	99.7	97.7	94.4	93.4	91.3	91.4	90.2	91.3	91.0	93.2	93.9	97.1	102
55	83.4	81.2	77.8	75.6	72.4	70.6	68.0	66.8	64.7	64.1	62.7	62.7	62.0	62.6	62.6	63.8	64.4	66.4	69.6
60	57.9	56.4	54.0	52.4	50.1	48.6	46.6	45.6	43.8	43.3	42.0	42.1	41.5	42.1	42.0	43.2	43.7	45.4	47.9
65	37.7	36.5	34.4	33.0	30.9	29.7	27.7	26.8	25.2	24.6	23.6	23.6	23.1	23.6	23.6	24.7	25.1	26.7	29.0
70	18.2	16.8	15.0	14.1	12.6	12.0	11.5	11.3	11.0	10.9	10.7	10.7	10.6	10.7	10.7	10.9	11.1	11.4	12.1
75	9.28	9.01	8.70	8.49	8.24	8.10	7.88	7.70	7.48	7.37	7.24	7.22	7.17	7.24	7.28	7.41	7.46	7.66	8.07
80	5.90	5.64	5.39	5.16	4.93	4.78	4.67	4.52	4.32	4.19	4.07	4.03	3.99	4.04	4.06	4.08	4.14	4.32	4.71
85	2.68	2.43	2.17	1.99	1.49	1.64	1.59	1.48	1.27	1.17	1.02	1.01	0.95	0.89	0.90	1.10	0.77	0.64	0.58
90	0.10	0.03	0.04	0.03	0.04	0.04	0.04	0.05	0.03	0.06	0.04	0.06	0.03	0.06	0.03	0.06	0.04	0.05	0.02
95	0.03	0.07	0.03	0.08	0.04	0.08	0.04	0.10	0.05	0.10	0.06	0.11	0.06	0.11	0.06	0.11	0.06	0.10	0.05
100	0.07	0.13	0.08	0.15	0.10	0.16	0.11	0.17	0.14	0.19	0.14	0.20	0.14	0.20	0.15	0.19	0.14	0.19	0.11
105	0.17	0.24	0.20	0.25	0.21	0.29	0.24	0.30	0.27	0.32	0.27	0.33	0.27	0.34	0.28	0.33	0.27	0.31	0.21
110	0.32	0.39	0.34	0.41	0.38	0.44	0.41	0.48	0.44	0.51	0.47	0.53	0.48	0.53	0.47	0.52	0.45	0.50	0.34
115	0.52	0.60	0.56	0.63	0.61	0.67	0.65	0.72	0.70	0.75	0.72	0.78	0.73	0.79	0.73	0.77	0.72	0.73	0.54
120	0.81	0.87	0.85	0.92	0.90	0.98	0.97	1.04	1.02	1.08	1.06	1.11	1.08	1.13	1.08	1.10	1.04	1.06	0.80
125	1.16	1.23	1.22	1.29	1.28	1.37	1.36	1.43	1.44	1.51	1.49	1.54	1.51	1.55	1.50	1.52	1.46	1.48	1.15
130	1.61	1.67	1.68	1.75	1.76	1.84	1.83	1.91	1.92	1.99	1.99	2.03	2.01	2.05	2.01	2.02	1.96	1.96	1.56
135	2.13	2.20	2.21	2.29	2.31	2.38	2.41	2.49	2.50	2.57	2.58	2.62	2.60	2.63	2.59	2.60	2.55	2.54	2.06
140	2.74	2.80	2.82	2.89	2.92	3.00	3.03	3.11	3.13	3.20	3.21	3.25	3.24	3.26	3.23	3.23	3.18	3.17	2.62
145	3.37	3.44	3.45	3.52	3.55	3.64	3.66	3.74	3.77	3.84	3.84	3.89	3.88	3.90	3.87	3.87	3.82	3.83	3.24
150	3.99	4.04	4.04	4.12	4.14	4.23	4.25	4.34	4.35	4.44	4.44	4.49	4.45	4.49	4.44	4.47	4.41	4.43	3.84
155	4.53	4.60	4.58	4.65	4.65	4.74	4.75	4.85	4.85	4.94	4.92	4.98	4.94	4.98	4.93	4.97	4.92	4.95	4.37
160	4.98	5.04	5.02	5.08	5.06	5.16	5.18	5.27	5.26	5.33	5.31	5.37	5.33	5.38	5.32	5.37	5.34	5.38	4.85
165	5.34	5.40	5.34	5.42	5.38	5.47	5.47	5.55	5.51	5.59	5.55	5.63	5.58	5.65	5.63	5.69	5.64	5.69	5.26
170	5.60	5.65	5.60	5.65	5.60	5.70	5.65	5.72	5.66	5.72	5.68	5.75	5.73	5.82	5.79	5.87	5.81	5.86	5.55
175	5.74	5.78	5.73	5.79	5.75	5.83	5.77	5.80	5.75	5.78	5.77	5.80	5.81	5.85	5.86	5.87	5.87	5.86	5.74
180	5.81	5.81	5.78	5.79	5.82	5.82	5.82	5.80	5.77	5.77	5.79	5.79	5.82	5.82	5.86	5.83	5.83	5.83	5.81

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:230.20V I:0.1137A P:14.370W PF:0.5491 Freq:50.00Hz Lamp Flux:1286.38x1 lm																	
NAME:									TYPE: 6500K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D40mm						Shielding Angle:		

Table--2

UNIT: cd

γ (DEG)	C (DEG)																	
	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
0	1444	1443	1442	1442	1442	1440	1440	1439	1439	1437	1438	1436	1437	1436	1437	1436	1437	
5	1389	1397	1401	1409	1413	1420	1422	1428	1429	1432	1431	1432	1429	1428	1423	1421	1414	
10	1252	1267	1275	1290	1299	1313	1320	1331	1335	1342	1341	1344	1338	1337	1327	1322	1308	
15	1063	1082	1093	1113	1124	1144	1154	1172	1178	1190	1190	1195	1188	1186	1173	1166	1147	
20	861	880	891	912	924	945	956	976	983	998	1000	1007	1000	999	984	976	954	
25	673	690	701	720	731	751	761	780	788	802	804	811	804	803	788	780	760	
30	512	528	536	553	562	579	588	604	611	623	625	631	625	624	611	604	587	
35	381	394	401	415	422	437	444	457	462	473	474	479	473	472	462	457	443	
40	277	287	292	304	310	322	327	339	341	351	350	356	350	351	342	339	327	
45	178	189	196	209	217	230	236	245	248	254	255	258	255	255	249	246	238	
50	105	110	114	120	124	131	136	143	145	151	154	154	154	152	150	145	139	
55	71.1	73.8	75.8	78.9	81.0	84.2	86.0	89.0	90.2	92.6	92.7	94.0	93.0	93.1	90.9	90.1	87.0	
60	49.1	51.2	52.7	55.0	56.5	58.8	59.9	61.8	62.4	63.8	63.8	64.5	63.8	63.9	62.6	62.1	60.2	
65	30.1	32.1	33.4	35.5	36.7	38.7	39.7	41.3	41.8	43.0	43.0	43.6	43.0	43.1	42.0	41.5	39.9	
70	12.2	13.8	15.3	17.2	18.3	20.2	21.1	22.6	23.0	24.1	24.0	24.6	24.0	24.1	23.0	22.5	20.9	
75	8.31	8.65	8.95	9.36	9.66	9.97	10.2	10.4	10.5	10.6	10.6	10.7	10.5	10.5	10.2	10.1	9.70	
80	4.94	5.26	5.55	5.92	6.23	6.59	6.78	6.97	7.08	7.18	7.18	7.20	7.11	7.04	6.82	6.58	6.28	
85	1.22	1.95	2.24	2.20	2.77	3.34	3.60	3.80	3.90	4.01	4.03	4.05	3.50	3.54	3.58	3.35	3.07	
90	0.01	0.01	0.01	0.00	0.02	0.38	0.56	0.76	0.88	1.00	1.01	0.86	0.08	0.40	0.70	0.62	0.36	
95	0.01	0.05	0.01	0.04	0.01	0.02	0.01	0.02	0.01	0.03	0.01	0.02	0.01	0.02	0.01	0.03	0.01	
100	0.05	0.10	0.03	0.09	0.03	0.08	0.02	0.07	0.02	0.07	0.02	0.06	0.01	0.06	0.02	0.07	0.02	
105	0.13	0.18	0.11	0.17	0.10	0.15	0.08	0.14	0.07	0.13	0.08	0.12	0.08	0.13	0.08	0.15	0.09	
110	0.27	0.31	0.25	0.29	0.22	0.26	0.20	0.25	0.19	0.24	0.18	0.23	0.18	0.24	0.19	0.25	0.20	
115	0.46	0.50	0.43	0.46	0.39	0.42	0.36	0.40	0.34	0.38	0.34	0.38	0.33	0.39	0.35	0.41	0.37	
120	0.73	0.74	0.66	0.69	0.62	0.65	0.58	0.62	0.55	0.60	0.54	0.59	0.54	0.60	0.56	0.62	0.60	
125	1.06	1.07	0.99	1.00	0.93	0.94	0.87	0.90	0.85	0.88	0.82	0.87	0.82	0.88	0.85	0.91	0.89	
130	1.48	1.46	1.39	1.38	1.31	1.31	1.24	1.26	1.20	1.23	1.18	1.23	1.19	1.24	1.22	1.29	1.27	
135	1.96	1.94	1.86	1.84	1.76	1.76	1.70	1.70	1.64	1.66	1.62	1.66	1.63	1.68	1.67	1.73	1.73	
140	2.53	2.50	2.41	2.39	2.30	2.29	2.22	2.22	2.16	2.17	2.14	2.17	2.14	2.20	2.19	2.26	2.27	
145	3.13	3.10	3.00	2.98	2.89	2.88	2.81	2.81	2.74	2.76	2.71	2.75	2.73	2.78	2.76	2.84	2.86	
150	3.72	3.68	3.60	3.57	3.49	3.48	3.42	3.42	3.35	3.37	3.31	3.35	3.32	3.38	3.36	3.43	3.46	
155	4.27	4.25	4.15	4.13	4.04	4.05	3.98	3.99	3.92	3.94	3.89	3.91	3.89	3.94	3.93	4.01	4.04	
160	4.75	4.75	4.64	4.64	4.56	4.58	4.50	4.52	4.45	4.48	4.42	4.46	4.42	4.47	4.45	4.54	4.56	
165	5.16	5.17	5.08	5.07	4.98	5.00	4.93	4.96	4.88	4.92	4.87	4.91	4.86	4.92	4.90	4.99	4.98	
170	5.47	5.49	5.40	5.42	5.32	5.32	5.24	5.28	5.20	5.27	5.21	5.27	5.23	5.29	5.25	5.33	5.33	
175	5.67	5.74	5.67	5.72	5.60	5.63	5.54	5.58	5.51	5.57	5.52	5.60	5.54	5.59	5.55	5.63	5.60	
180	5.78	5.79	5.79	5.82	5.81	5.81	5.75	5.76	5.75	5.75	5.75	5.79	5.81	5.82	5.79	5.79	5.80	

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: