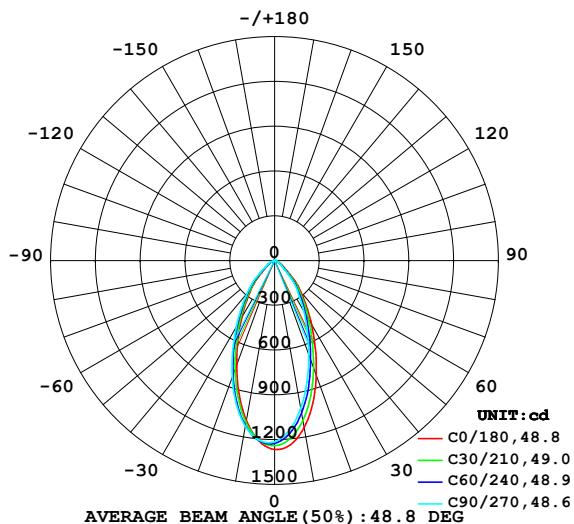


LUMINAIRE PHOTOMETRIC TEST REPORT

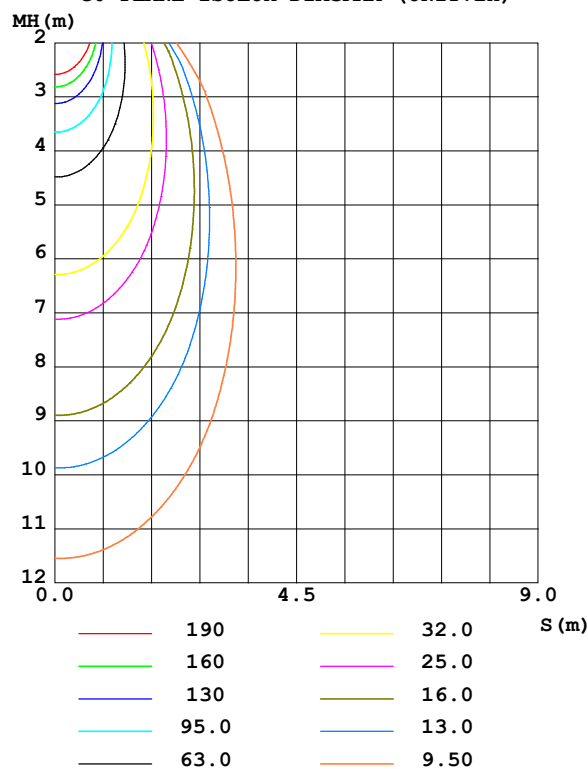
Test:U:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 75.27 lm/W
MODEL	XY-HA1 C15	I _{max} (cd)	1266	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)	1086.8	η UP,DN(C0-180)	0.4,45.6	
NOMINAL FLUX(lm)	1086.82	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 °C
Operators: CAM
Test Date: 30 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	1138	1063	1007	989.4	1090	1115	1128	1115	0- 10	109.2	109.2	10.1,10.1
20	818.0	734.7	671.1	652.8	745.2	796.4	830.4	826.9	10- 20	255.8	365.1	33.6,33.6
30	497.4	437.3	392.6	380.3	441.4	482.6	515.2	516.6	20- 30	272.5	637.6	58.7,58.7
40	274.5	238.5	211.8	203.1	237.6	264.4	286.9	289.7	30- 40	213.9	851.4	78.3,78.3
50	112.0	90.13	78.10	75.24	88.69	104.9	121.3	123.9	40- 50	129.8	981.3	90.3,90.3
60	49.38	41.60	36.28	35.01	41.36	47.09	51.85	52.52	50- 60	59.27	1041	95.7,95.7
70	15.61	10.34	9.000	8.802	10.38	15.05	19.23	19.91	60- 70	27.68	1068	98.3,98.3
80	5.056	4.100	3.517	3.324	4.046	5.139	5.858	5.825	70- 80	8.290	1077	99.1,99.1
90	0.0765	0.0309	0.0395	0.0337	0.0057	0.0089	0.6785	0.1899	80- 90	2.217	1079	99.3,99.3
100	0.0505	0.1038	0.1574	0.1320	0.0954	0.0366	0	0.0254	90-100	0.0546	1079	99.3,99.3
110	0.2687	0.3452	0.4222	0.3985	0.2921	0.2050	0.1344	0.1598	100-110	0.1708	1079	99.3,99.3
120	0.6893	0.8053	0.9056	0.9007	0.6922	0.5497	0.4491	0.4580	110-120	0.4542	1079	99.3,99.3
130	1.398	1.545	1.687	1.682	1.359	1.140	0.9878	0.9974	120-130	0.8824	1080	99.4,99.4
140	2.385	2.549	2.708	2.703	2.298	2.002	1.794	1.796	130-140	1.374	1082	99.5,99.5
150	3.473	3.578	3.751	3.730	3.352	3.006	2.799	2.779	140-150	1.735	1083	99.7,99.7
160	4.367	4.376	4.514	4.486	4.262	3.919	3.733	3.714	150-160	1.720	1085	99.8,99.8
170	4.884	4.834	4.845	4.857	4.868	4.590	4.396	4.405	160-170	1.252	1086	100,100
180	5.064	4.975	4.873	4.882	5.098	4.975	4.845	4.848	170-180	0.4567	1087	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:30 July 2025

 γ Range: 0 - 180DEG

 γ Interval: 1.0DEG

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

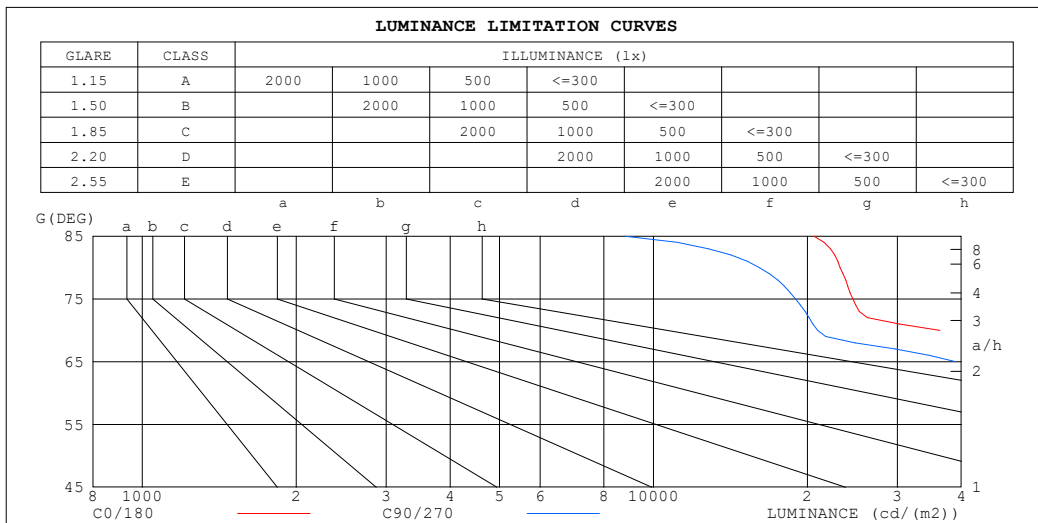
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	20625	8808
80	23182	16126
75	24551	18968
70	36345	20950
65	60758	39048
60	78627	57774
55	98853	74353
50	138718	96733
45	219834	143819

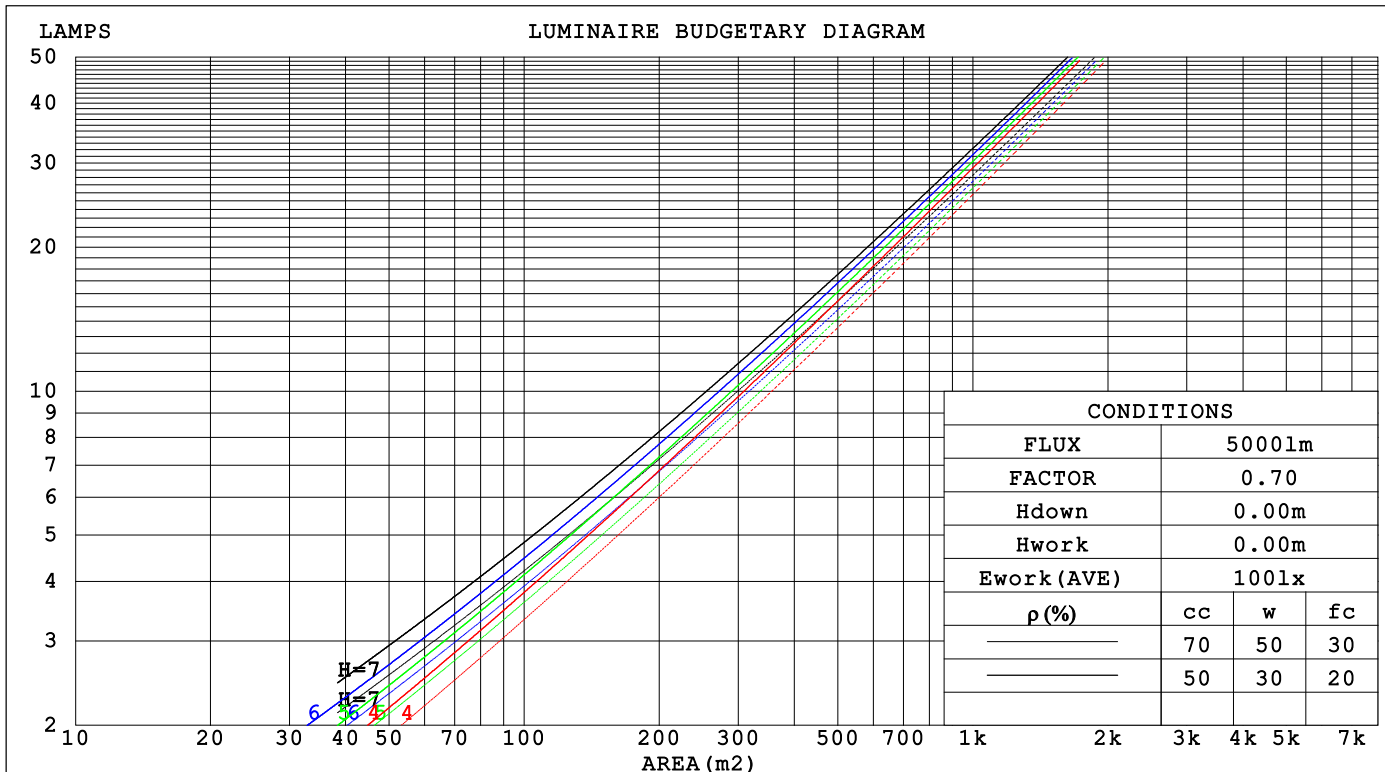
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:30 July 2025

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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	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															



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:30 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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz																	
Lamp Flux:1086.82x1 lm																	
NAME:						TYPE: 2700K						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	.104	.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	.096	.029	.170	.092	.028	.161	.088	.027	.153	.085	.026		
4.0	.176	.091	.027	.171	.090	.026	.163	.086	.026	.155	.083	.025	.147	.080	.024		
5.0	.166	.085	.025	.162	.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	.071	.021		
7.0	.150	.074	.021	.147	.073	.021	.141	.071	.020	.135	.069	.020	.130	.068	.020		
8.0	.142	.070	.020	.140	.069	.019	.134	.067	.019	.129	.066	.019	.125	.064	.019		
9.0	.136	.066	.018	.133	.065	.018	.128	.063	.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	.073	.046	.077	.051	.033	.044	.030	.019	.014	.010	.006		
7.0	.123	.077	.046	.106	.067	.040	.073	.047	.028	.042	.028	.017	.014	.009	.006		
8.0	.117	.071	.040	.101	.062	.035	.070	.043	.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:30 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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm											
NAME:					TYPE: 2700K			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	2H	26.9	27.9	27.1	28.1	28.3	25.6	26.7	25.8	26.8	27.0
	3H	27.0	28.0	27.3	28.2	28.4	25.6	26.6	25.9	26.8	27.0
	4H	27.0	27.9	27.3	28.1	28.4	25.6	26.5	25.9	26.7	27.0
	6H	26.9	27.8	27.2	28.1	28.3	25.5	26.4	25.8	26.6	26.9
	8H	26.9	27.7	27.2	28.0	28.3	25.5	26.3	25.8	26.6	26.9
	12H	26.9	27.7	27.2	28.0	28.3	25.4	26.2	25.8	26.5	26.8
4H	2H	26.8	27.7	27.1	28.0	28.2	25.6	26.6	25.9	26.8	27.0
	3H	27.0	27.8	27.3	28.1	28.3	25.7	26.5	26.0	26.8	27.1
	4H	27.0	27.7	27.3	28.0	28.3	25.7	26.4	26.0	26.7	27.0
	6H	26.9	27.6	27.3	27.9	28.3	25.6	26.3	26.0	26.6	27.0
	8H	26.9	27.5	27.3	27.9	28.3	25.6	26.2	26.0	26.6	27.0
	12H	26.9	27.5	27.3	27.8	28.3	25.6	26.1	26.0	26.5	26.9
8H	4H	26.8	27.4	27.3	27.8	28.2	25.6	26.2	26.0	26.5	26.9
	6H	26.9	27.4	27.3	27.8	28.2	25.6	26.1	26.0	26.5	26.9
	8H	26.9	27.3	27.3	27.7	28.2	25.6	26.0	26.0	26.4	26.9
	12H	26.9	27.2	27.4	27.7	28.2	25.6	25.9	26.0	26.4	26.9
12H	4H	26.8	27.3	27.2	27.7	28.1	25.5	26.1	26.0	26.5	26.9
	6H	26.8	27.3	27.3	27.7	28.1	25.6	26.0	26.0	26.4	26.9
	8H	26.8	27.2	27.3	27.7	28.2	25.6	25.9	26.0	26.4	26.9
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.4 / - 2.4					+ 1.6 / - 2.7				
1.5H		+ 2.3 / - 2.3					+ 2.1 / - 1.8				
2.0H		+ 3.8 / - 2.3					+ 2.6 / - 2.0				

CIE Pub.117, 1087 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)
Area: 0.001256 m2

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:30 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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

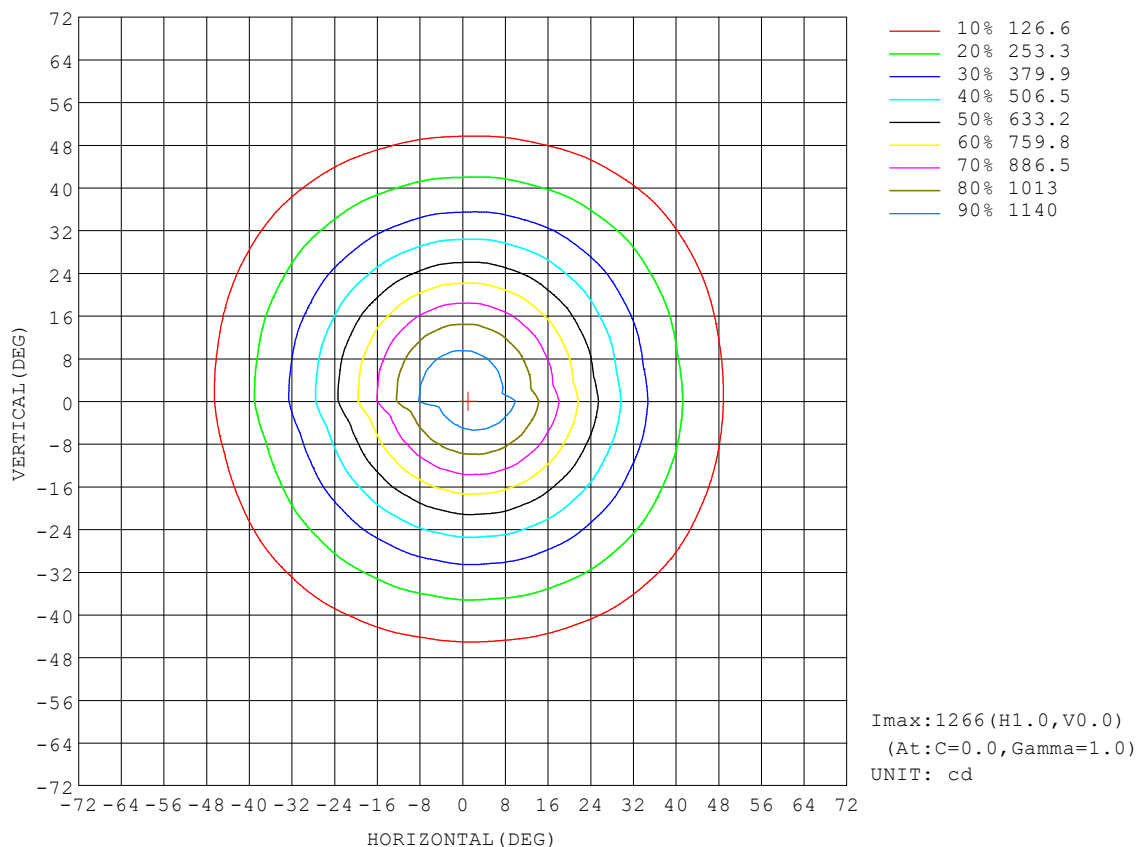
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	65	77	70	65	76	69	65	60
0.80	87	79	74	86	79	74	84	78	74	69
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	91	87	97	91	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	106	110	107	104	106	103	101	94
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: 30 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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

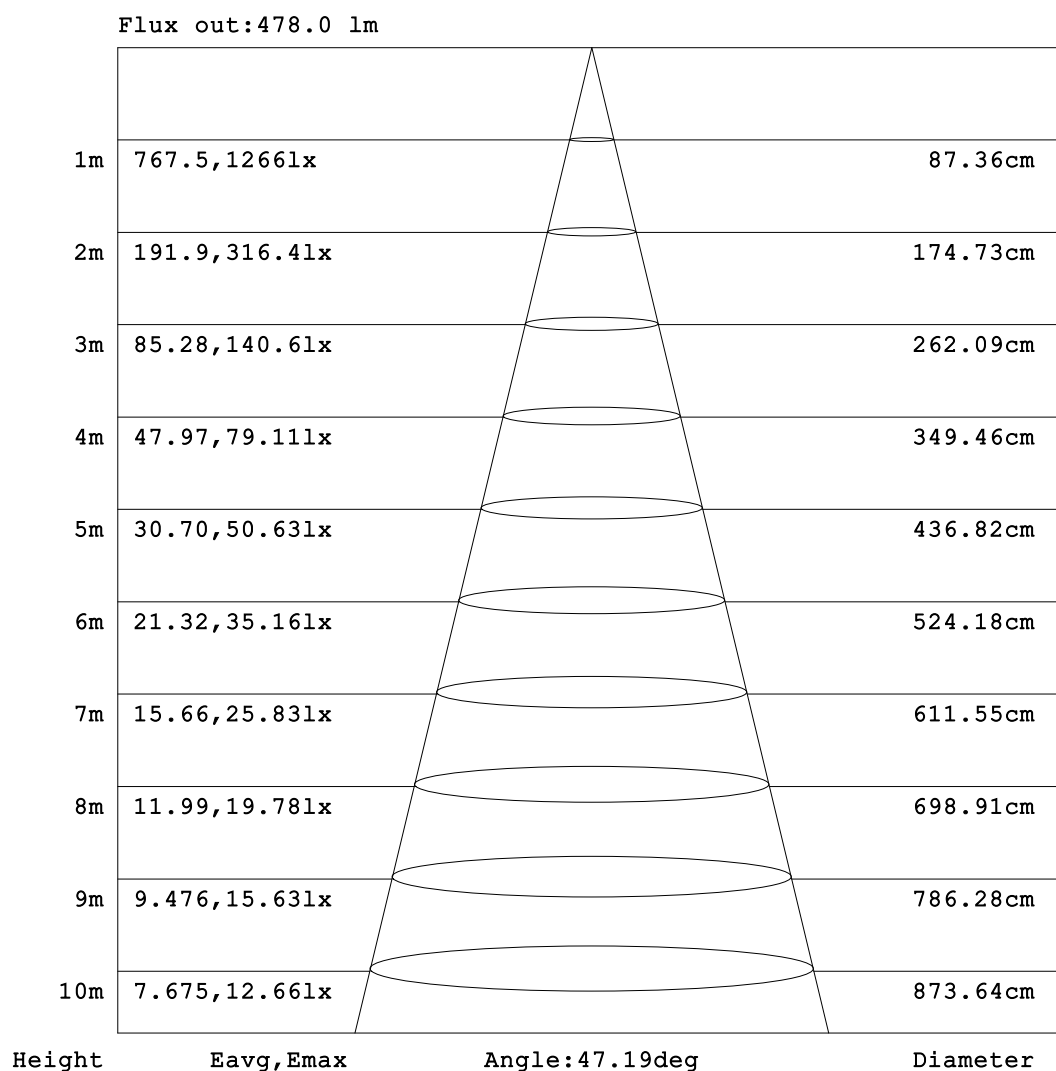


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:30 July 2025

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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	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:30 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

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

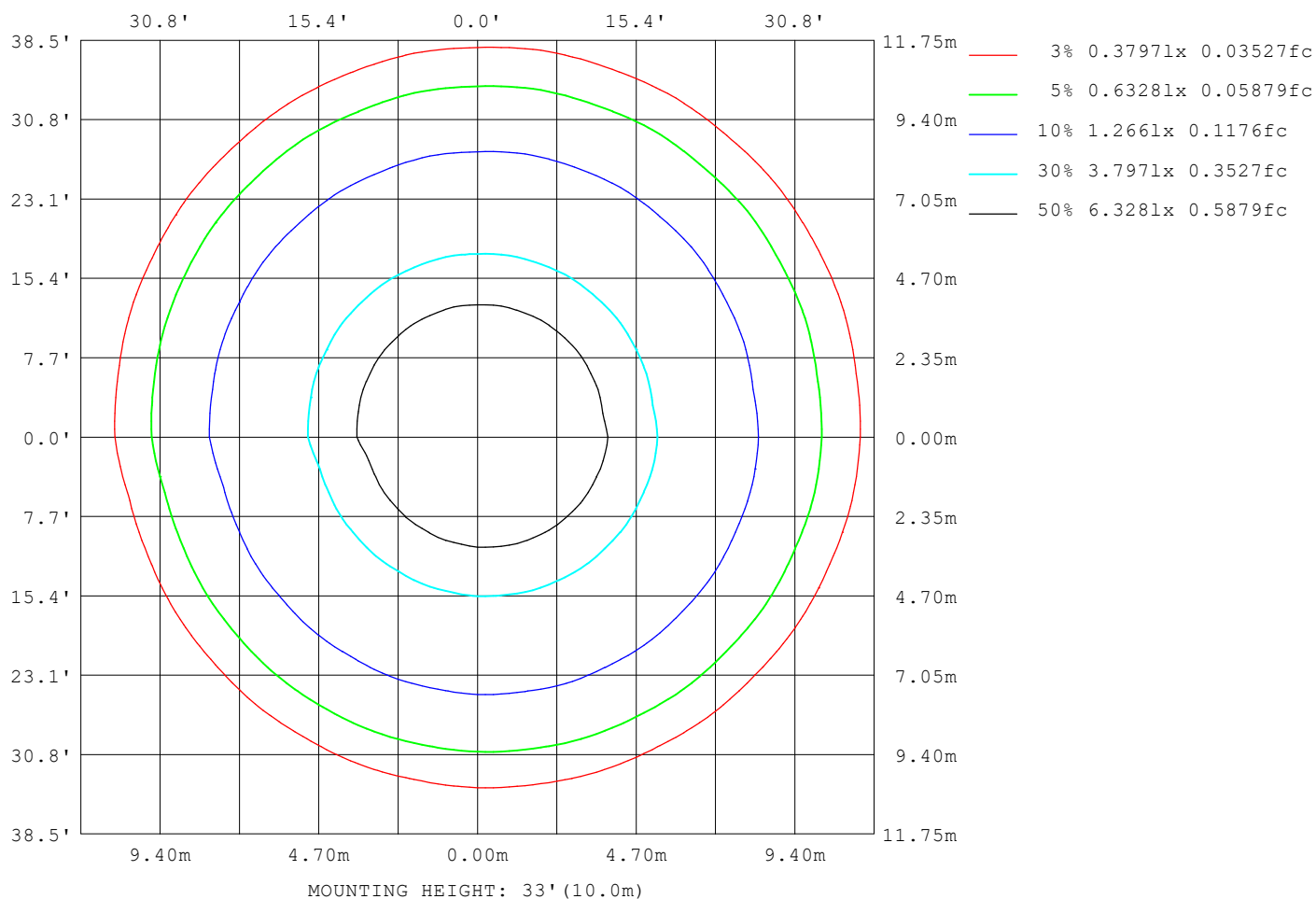
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

Test:U:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	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:30 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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	54067
L_0~180 (75) av	22940
L_0~180 (85) av	12527
L_90~270 (65) av	52270
L_90~270 (75) av	22904
L_90~270 (85) av	18981
L_45 (65) av	52375
L_45 (75) av	22741
L_45 (85) av	15836

Standard: GB/T 29293-2012

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:30 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

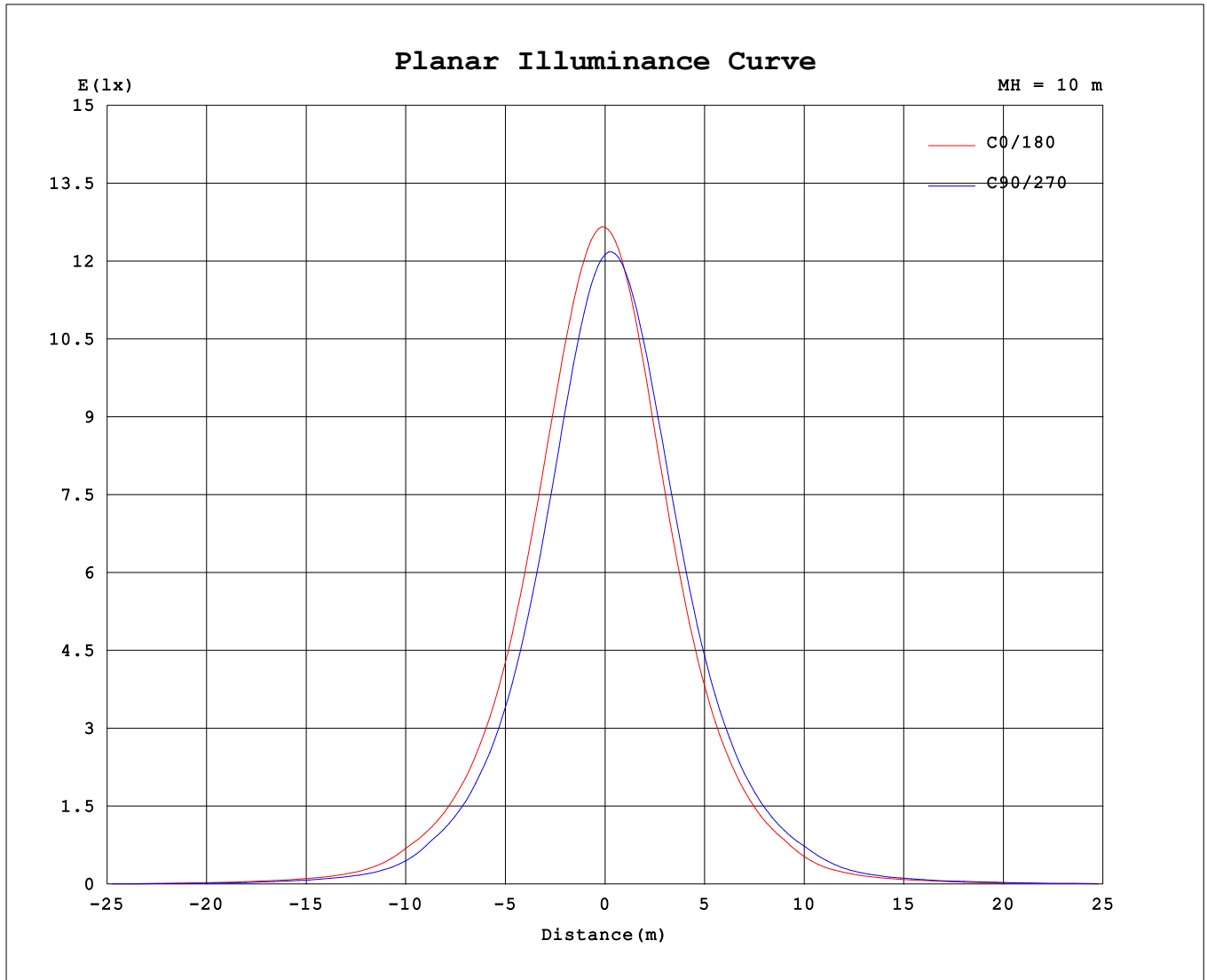
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

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: 30 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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm		
NAME:	TYPE: 2700K	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	1266	1254	1247	1241	1235	1230	1225	1221	1216	1213	1208	1206	1202	1201	1198	1197	1195	1194	1266
5	1237	1222	1208	1197	1184	1175	1163	1156	1145	1141	1132	1131	1125	1127	1124	1129	1129	1136	1213
10	1138	1122	1102	1089	1069	1057	1039	1029	1013	1007	995	994	987	990	988	996	999	1012	1090
15	991	974	952	936	914	899	879	867	849	841	827	825	817	821	820	831	835	850	922
20	818	802	779	764	741	728	707	696	678	671	658	656	649	653	652	662	667	683	745
25	648	633	612	600	580	569	550	541	525	519	508	507	500	504	504	512	517	530	581
30	497	486	468	458	442	433	418	410	397	393	383	382	377	381	380	387	391	402	441
35	373	365	350	344	329	323	311	305	294	291	283	283	278	281	280	286	288	298	328
40	274	268	257	251	241	236	227	222	214	212	206	205	202	204	203	207	209	216	238
45	195	188	175	168	158	151	142	137	130	128	123	123	121	122	122	125	127	133	151
50	112	108	101	97.4	91.7	88.6	84.2	82.3	79.0	78.1	75.9	75.8	74.6	75.4	75.1	76.8	77.4	80.1	88.7
55	71.2	69.1	66.0	64.1	61.1	59.5	57.1	56.0	54.2	53.6	52.3	52.2	51.5	52.1	51.9	52.9	53.2	54.8	59.9
60	49.4	48.0	45.8	44.3	42.2	41.0	39.1	38.2	36.7	36.3	35.2	35.2	34.6	35.1	34.9	35.9	36.2	37.4	41.4
65	32.3	31.1	29.2	27.9	26.0	24.9	23.3	22.5	21.1	20.7	19.8	19.8	19.4	19.8	19.8	20.5	20.9	22.1	25.1
70	15.6	14.3	12.7	11.9	10.6	10.1	9.62	9.40	9.15	9.00	8.85	8.79	8.75	8.78	8.82	8.97	9.11	9.31	10.4
75	7.98	7.69	7.43	7.20	6.98	6.84	6.57	6.48	6.19	6.17	5.94	6.00	5.86	6.00	5.94	6.10	6.12	6.31	6.93
80	5.06	4.86	4.56	4.41	4.13	4.07	3.87	3.82	3.54	3.52	3.32	3.35	3.24	3.37	3.28	3.39	3.34	3.52	4.05
85	2.26	2.11	1.79	1.69	1.25	1.36	1.27	1.22	0.99	0.96	0.79	0.84	0.73	0.71	0.71	0.90	0.63	0.51	0.48
90	0.08	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.02	0.04	0.02	0.03	0.01
95	0.03	0.05	0.03	0.06	0.03	0.06	0.03	0.08	0.03	0.08	0.03	0.08	0.03	0.08	0.02	0.08	0.03	0.08	0.03
100	0.05	0.11	0.06	0.13	0.07	0.13	0.08	0.14	0.10	0.16	0.10	0.16	0.10	0.16	0.11	0.16	0.09	0.14	0.10
105	0.14	0.19	0.16	0.22	0.17	0.24	0.19	0.24	0.21	0.26	0.21	0.28	0.21	0.27	0.22	0.27	0.21	0.25	0.17
110	0.27	0.33	0.29	0.35	0.31	0.38	0.34	0.40	0.36	0.42	0.38	0.43	0.38	0.43	0.37	0.42	0.36	0.40	0.29
115	0.45	0.51	0.48	0.55	0.51	0.58	0.54	0.60	0.57	0.63	0.60	0.64	0.61	0.65	0.59	0.63	0.57	0.61	0.46
120	0.69	0.75	0.72	0.79	0.77	0.84	0.81	0.88	0.85	0.91	0.87	0.92	0.89	0.93	0.87	0.91	0.85	0.88	0.69
125	1.00	1.07	1.05	1.12	1.10	1.17	1.16	1.22	1.21	1.26	1.23	1.28	1.24	1.28	1.23	1.26	1.21	1.22	0.99
130	1.40	1.46	1.44	1.52	1.50	1.59	1.58	1.62	1.62	1.69	1.66	1.71	1.68	1.71	1.65	1.68	1.63	1.64	1.36
135	1.85	1.91	1.91	1.98	1.98	2.06	2.05	2.12	2.11	2.17	2.15	2.19	2.16	2.18	2.14	2.15	2.10	2.10	1.80
140	2.38	2.44	2.44	2.51	2.51	2.58	2.58	2.65	2.64	2.71	2.69	2.73	2.69	2.72	2.68	2.69	2.64	2.64	2.30
145	2.95	3.00	2.98	3.05	3.05	3.12	3.13	3.18	3.18	3.25	3.23	3.27	3.24	3.27	3.22	3.23	3.17	3.18	2.83
150	3.47	3.52	3.49	3.56	3.54	3.62	3.61	3.69	3.68	3.75	3.73	3.77	3.73	3.76	3.70	3.72	3.66	3.68	3.35
155	3.96	4.00	3.95	4.02	3.98	4.06	4.05	4.13	4.11	4.18	4.14	4.20	4.15	4.19	4.12	4.16	4.10	4.13	3.84
160	4.37	4.40	4.33	4.37	4.33	4.42	4.39	4.48	4.45	4.51	4.47	4.53	4.47	4.52	4.46	4.49	4.45	4.49	4.26
165	4.66	4.71	4.61	4.67	4.60	4.68	4.64	4.71	4.65	4.73	4.68	4.73	4.67	4.74	4.68	4.76	4.69	4.74	4.61
170	4.88	4.92	4.81	4.87	4.79	4.87	4.79	4.85	4.78	4.85	4.78	4.84	4.80	4.88	4.83	4.90	4.84	4.87	4.87
175	5.00	5.04	4.94	4.99	4.92	4.97	4.91	4.92	4.86	4.87	4.85	4.87	4.86	4.89	4.89	4.90	4.88	4.86	5.05
180	5.06	5.06	4.98	5.00	4.97	4.97	4.94	4.92	4.87	4.87	4.87	4.87	4.87	4.87	4.89	4.87	4.85	4.85	5.10

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:30 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:230.24V I:0.1141A P:14.440W PF:0.5498 Freq:50.00Hz Lamp Flux:1086.82x1 lm																	
NAME:									TYPE: 2700K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D40mm						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	1254	1247	1241	1235	1230	1225	1221	1216	1213	1208	1206	1202	1201	1198	1197	1195	1194		
5	1207	1208	1207	1210	1209	1210	1209	1210	1207	1206	1203	1201	1196	1192	1186	1183	1176		
10	1089	1099	1103	1113	1117	1124	1125	1131	1128	1130	1125	1124	1117	1113	1104	1099	1088		
15	927	941	949	965	971	984	987	997	995	1000	995	995	986	984	973	968	954		
20	751	767	776	793	800	815	819	830	830	837	833	836	828	826	814	809	794		
25	587	602	610	626	633	647	652	664	664	672	669	672	665	663	651	646	632		
30	446	459	466	479	486	498	503	514	515	523	521	524	517	516	505	501	488		
35	331	343	347	360	364	374	378	388	389	396	395	398	392	391	382	379	367		
40	241	249	253	263	266	275	278	286	287	293	292	295	290	289	282	280	271		
45	157	165	172	181	187	197	200	207	208	212	211	213	210	210	205	203	196		
50	90.8	95.1	98.1	103	106	112	115	120	121	125	124	126	124	124	120	119	113		
55	61.0	63.2	64.6	67.0	68.5	71.0	72.2	74.4	75.0	76.6	76.4	77.1	76.1	76.1	74.3	73.5	71.1		
60	42.1	43.8	44.8	46.6	47.6	49.3	50.1	51.5	51.8	52.9	52.7	53.2	52.5	52.5	51.3	50.8	49.2		
65	25.9	27.5	28.4	30.1	31.0	32.5	33.2	34.5	34.8	35.7	35.5	36.0	35.4	35.4	34.4	34.0	32.6		
70	10.5	11.8	13.1	14.6	15.5	17.0	17.7	18.9	19.2	20.1	20.0	20.4	19.9	19.9	19.0	18.6	17.2		
75	7.12	7.37	7.63	7.91	8.16	8.38	8.52	8.66	8.72	8.80	8.80	8.77	8.69	8.60	8.43	8.25	7.99		
80	4.24	4.49	4.74	5.01	5.27	5.59	5.68	5.87	5.86	5.99	5.92	5.99	5.82	5.83	5.58	5.45	5.14		
85	1.03	1.70	1.90	1.89	2.36	2.87	2.98	3.22	3.19	3.38	3.29	3.38	2.90	2.88	2.89	2.79	2.47		
90	0.00	0.01	0.01	0.00	0.02	0.32	0.42	0.65	0.68	0.85	0.79	0.70	0.06	0.32	0.57	0.49	0.29		
95	0.00	0.03	0.01	0.02	0.01	0.02	0.01	0.02	0.00	0.02	0.01	0.01	0.01	0.01	0.00	0.02	0.01		
100	0.03	0.08	0.02	0.07	0.01	0.06	0.01	0.05	0.00	0.05	0.01	0.04	0.01	0.05	0.00	0.05	0.01		
105	0.10	0.15	0.09	0.14	0.07	0.12	0.06	0.10	0.05	0.10	0.06	0.10	0.04	0.10	0.05	0.11	0.06		
110	0.23	0.26	0.20	0.24	0.17	0.21	0.16	0.20	0.13	0.19	0.13	0.19	0.13	0.19	0.14	0.20	0.15		
115	0.39	0.42	0.35	0.38	0.31	0.36	0.29	0.33	0.27	0.32	0.26	0.31	0.26	0.32	0.26	0.33	0.28		
120	0.62	0.64	0.57	0.58	0.52	0.54	0.48	0.51	0.45	0.49	0.44	0.49	0.43	0.49	0.45	0.51	0.48		
125	0.90	0.92	0.84	0.85	0.78	0.80	0.72	0.76	0.70	0.73	0.66	0.72	0.67	0.72	0.68	0.75	0.73		
130	1.27	1.26	1.18	1.18	1.09	1.11	1.04	1.06	0.99	1.02	0.97	1.01	0.97	1.02	1.00	1.06	1.04		
135	1.70	1.69	1.60	1.59	1.50	1.51	1.41	1.43	1.36	1.39	1.34	1.37	1.34	1.38	1.37	1.43	1.43		
140	2.19	2.16	2.07	2.05	1.95	1.94	1.85	1.86	1.79	1.82	1.76	1.80	1.77	1.83	1.80	1.86	1.87		
145	2.71	2.67	2.57	2.54	2.45	2.44	2.36	2.37	2.28	2.30	2.25	2.29	2.26	2.30	2.28	2.35	2.37		
150	3.22	3.17	3.06	3.05	2.96	2.96	2.87	2.88	2.80	2.81	2.76	2.79	2.76	2.80	2.79	2.86	2.87		
155	3.70	3.67	3.55	3.53	3.44	3.44	3.35	3.37	3.28	3.31	3.24	3.29	3.24	3.29	3.27	3.35	3.35		
160	4.12	4.11	3.98	3.97	3.87	3.89	3.80	3.83	3.73	3.76	3.70	3.75	3.69	3.74	3.70	3.79	3.78		
165	4.47	4.47	4.36	4.35	4.24	4.26	4.17	4.21	4.12	4.16	4.09	4.14	4.06	4.12	4.09	4.16	4.15		
170	4.73	4.76	4.63	4.65	4.53	4.54	4.44	4.46	4.40	4.44	4.38	4.44	4.37	4.44	4.38	4.46	4.44		
175	4.91	4.96	4.87	4.90	4.77	4.78	4.68	4.72	4.63	4.69	4.63	4.71	4.63	4.69	4.63	4.69	4.64		
180	5.01	5.01	4.97	5.00	4.95	4.95	4.87	4.87	4.85	4.85	4.83	4.85	4.85	4.85	4.82	4.82	4.81		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:30 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: