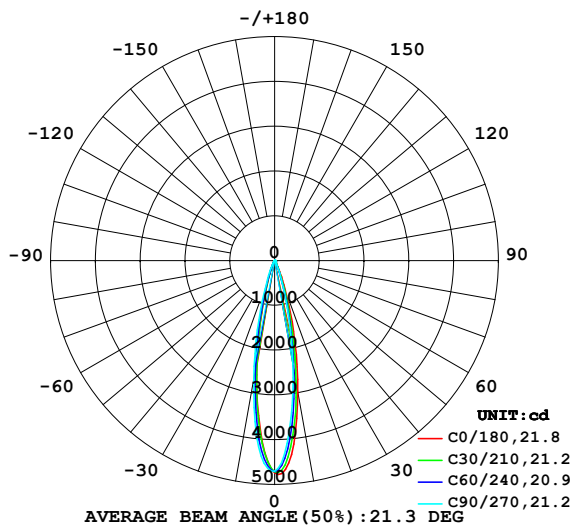


LUMINAIRE PHOTOMETRIC TEST REPORT

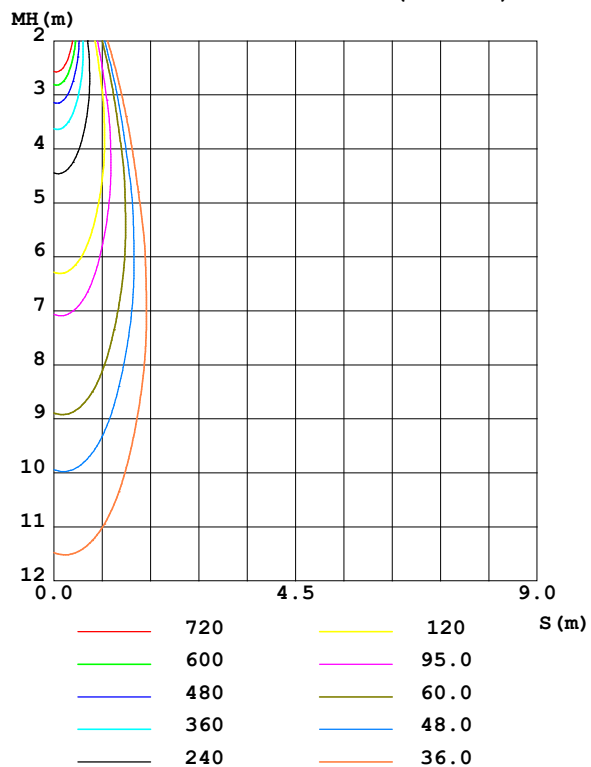
Test:U:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.56 lm/W
MODEL	XY-X02	I _{max} (cd)	4780	S/MH(C0/180)	0.33	
NOMINAL POWER(W)	10W	LOR(%)	100.0	S/MH(C90/270)	0.38	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	851.08	η UP,DN(C0-180)	0.4,46.9	
NOMINAL FLUX(lm)	851.077	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,52.4	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	η down (%)	99.2	CIBSE SHR MAX	0.30	

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: 01 August 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:

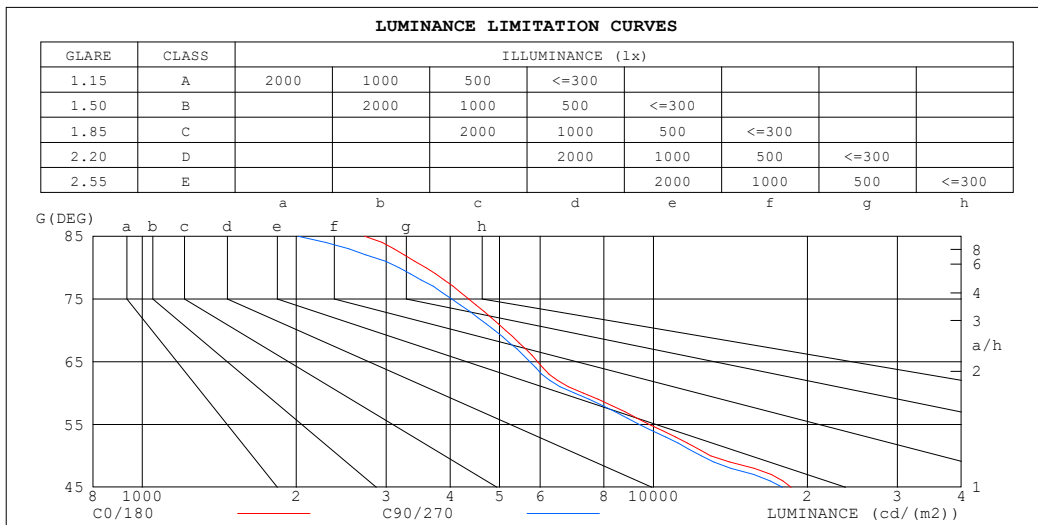
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2981	2622	2348	2167	2277	2395	2706	3111	0- 10	336.2	336.2	39.5,39.5
20	699.2	484.0	447.0	355.5	383.1	385.3	542.9	747.3	10- 20	354.7	690.9	81.2,81.2
30	105.3	81.30	69.07	61.92	65.47	70.12	82.03	107.1	20- 30	99.35	790.3	92.9,92.9
40	27.85	27.45	25.97	24.23	22.59	22.87	23.56	26.16	30- 40	27.41	817.7	96.1,96.1
50	12.65	12.56	12.13	11.40	10.85	11.16	11.78	12.65	40- 50	14.06	831.7	97.7,97.7
60	5.537	5.575	5.328	4.890	4.548	4.713	5.101	5.659	50- 60	7.289	839.0	98.6,98.6
70	2.668	2.624	2.540	2.364	2.210	2.323	2.581	2.751	60- 70	3.627	842.7	99,99
80	0.9470	0.8841	0.8383	0.7244	0.5753	0.7140	0.9135	0.9976	70- 80	1.693	844.3	99.2,99.2
90	0.0007	0	0	0	0	0	0	0	80- 90	0.3234	844.7	99.2,99.2
100	0	0	0	0	0	0	0	0	90-100	0.0000	844.7	99.2,99.2
110	0	0.0028	0.0112	0.0056	0	0	0	0	100-110	0.0004	844.7	99.2,99.2
120	0.0112	0.0422	0.0846	0.0757	0.0451	0.0197	0	0.0140	110-120	0.0134	844.7	99.2,99.2
130	0.2685	0.3121	0.4406	0.5387	0.3210	0.2217	0.1512	0.1514	120-130	0.1161	844.8	99.3,99.3
140	1.499	1.620	1.904	2.188	1.527	1.283	1.073	0.9833	130-140	0.6036	845.4	99.3,99.3
150	3.894	4.075	4.391	4.604	3.857	3.584	3.259	3.089	140-150	1.634	847.0	99.5,99.5
160	5.435	5.485	5.553	5.536	5.238	5.165	4.984	4.882	150-160	2.166	849.2	99.8,99.8
170	4.987	4.826	4.586	4.634	4.563	4.652	4.644	4.665	160-170	1.464	850.7	100,100
180	3.868	3.913	3.801	3.863	3.846	3.894	3.812	3.885	170-180	0.4085	851.1	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:01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



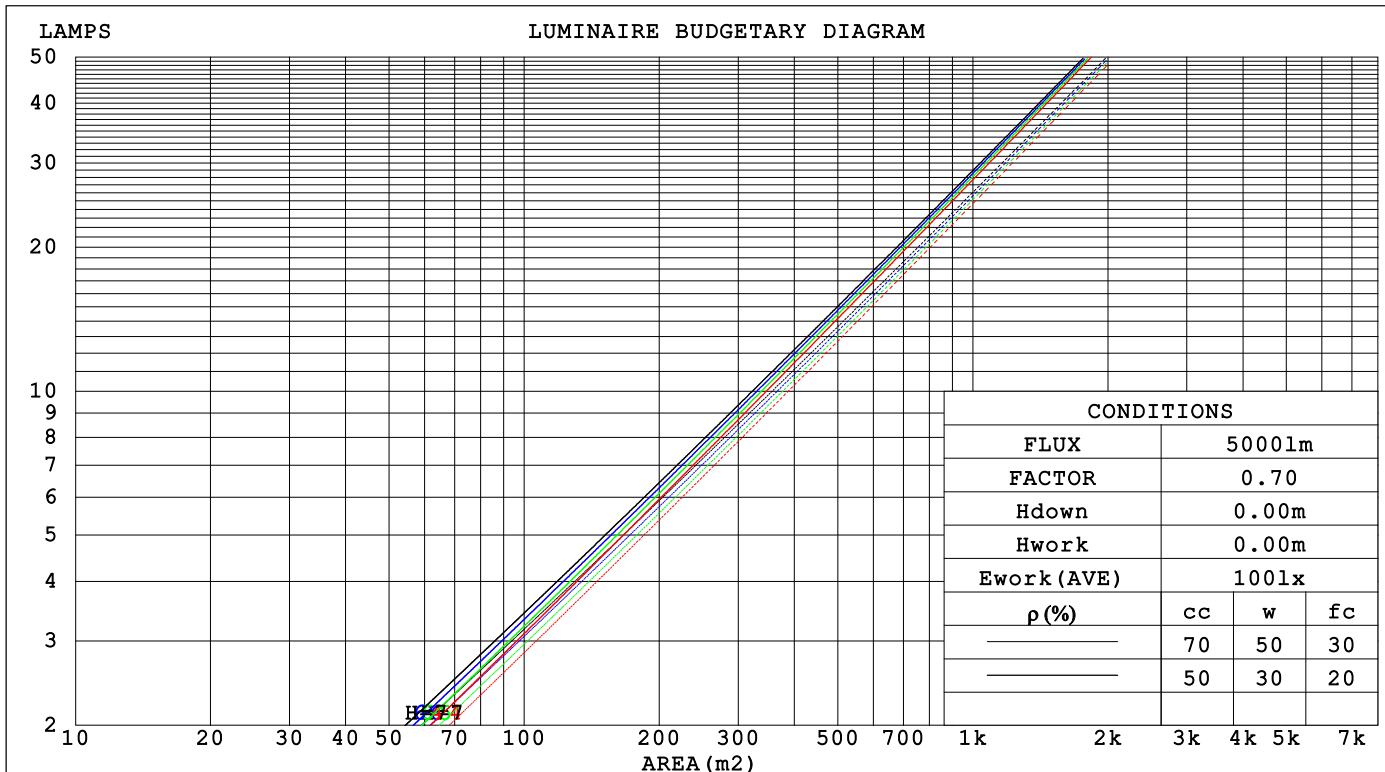
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CAM
Test Date: 01 August 2025

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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.02	1.00	.98	.99	.98	.96	.97	.95	.94	.93
3.0	1.03	.99	.96	1.01	.98	.96	.99	.96	.94	.97	.94	.92	.94	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.91	.88	.93	.90	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.88	.85	.90	.87	.84	.89	.86	.84	.88	.85	.83	.82
7.0	.89	.85	.82	.89	.85	.82	.88	.84	.82	.87	.83	.81	.85	.83	.81	.80
8.0	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.83	.81	.79	.78
9.0	.84	.80	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.82	.79	.77	.76
10.0	.82	.78	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.80	.77	.75	.74



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm					
NAME:		TYPE: 2700K		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.: D44mm		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	.138	.078	.025	.131	.075	.024	.118	.068	.022	.106	.061	.020	.095	.055	.018		
2.0	.128	.070	.021	.122	.067	.021	.111	.062	.019	.101	.057	.018	.092	.052	.016		
3.0	.118	.063	.019	.114	.061	.018	.105	.057	.017	.097	.053	.016	.089	.049	.015		
4.0	.111	.058	.017	.107	.056	.017	.099	.053	.016	.092	.050	.015	.086	.047	.014		
5.0	.104	.053	.015	.101	.052	.015	.094	.049	.014	.088	.046	.014	.082	.044	.013		
6.0	.098	.049	.014	.095	.048	.014	.090	.046	.013	.084	.044	.013	.079	.042	.012		
7.0	.093	.046	.013	.090	.045	.013	.085	.043	.012	.081	.041	.012	.077	.040	.012		
8.0	.088	.043	.012	.086	.042	.012	.082	.041	.012	.078	.039	.011	.074	.038	.011		
9.0	.084	.041	.011	.082	.040	.011	.078	.039	.011	.075	.037	.011	.071	.036	.010		
10.0	.080	.039	.011	.079	.038	.011	.075	.037	.010	.072	.036	.010	.069	.035	.010		

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	.174	.163	.154	.149	.140	.132	.102	.097	.092	.059	.056	.053	.019	.018	.017		
2.0	.156	.139	.124	.134	.119	.107	.092	.082	.075	.053	.048	.044	.017	.016	.014		
3.0	.141	.119	.102	.121	.103	.088	.083	.071	.062	.048	.042	.036	.015	.014	.012		
4.0	.129	.104	.085	.110	.090	.074	.076	.062	.052	.044	.037	.031	.014	.012	.010		
5.0	.118	.091	.072	.101	.079	.063	.070	.055	.044	.040	.032	.026	.013	.011	.009		
6.0	.109	.081	.062	.094	.071	.054	.065	.049	.038	.037	.029	.023	.012	.009	.007		
7.0	.101	.073	.054	.087	.064	.047	.060	.045	.033	.035	.026	.020	.011	.009	.007		
8.0	.095	.066	.047	.082	.058	.041	.056	.040	.029	.033	.024	.017	.011	.008	.006		
9.0	.089	.061	.042	.077	.053	.036	.053	.037	.026	.031	.022	.015	.010	.007	.005		
10.0	.084	.056	.037	.072	.049	.033	.050	.034	.023	.029	.020	.014	.009	.007	.005		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm										
NAME:			TYPE: 2700K			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.:			SUR.: D44mm			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	13.5	14.2	13.7	14.3	14.5	13.0	13.6	13.2	13.8	13.9
3H	13.8	14.4	14.1	14.6	14.8	13.3	13.9	13.5	14.1	14.3
4H	13.9	14.5	14.2	14.7	14.9	13.4	14.0	13.7	14.2	14.4
6H	14.0	14.5	14.3	14.7	15.0	13.5	14.0	13.7	14.2	14.5
8H	14.0	14.5	14.3	14.7	15.0	13.4	14.0	13.8	14.2	14.5
12H	13.9	14.4	14.3	14.7	15.0	13.4	13.9	13.7	14.2	14.5
4H 2H	13.6	14.2	13.9	14.4	14.6	13.1	13.6	13.3	13.9	14.1
3H	14.0	14.5	14.3	14.7	15.0	13.5	14.0	13.8	14.3	14.6
4H	14.1	14.6	14.5	14.9	15.2	13.7	14.1	14.0	14.4	14.8
6H	14.2	14.6	14.6	15.0	15.3	13.8	14.2	14.2	14.5	14.9
8H	14.2	14.6	14.6	15.0	15.4	13.8	14.2	14.2	14.5	14.9
12H	14.2	14.6	14.6	15.0	15.4	13.8	14.1	14.2	14.5	14.9
8H 4H	14.1	14.5	14.5	14.8	15.2	13.7	14.1	14.1	14.4	14.8
6H	14.2	14.6	14.7	15.0	15.4	13.8	14.1	14.3	14.5	15.0
8H	14.3	14.6	14.7	15.0	15.4	13.9	14.1	14.3	14.6	15.0
12H	14.3	14.5	14.8	15.0	15.5	13.9	14.1	14.3	14.6	15.0
12H 4H	14.1	14.4	14.5	14.8	15.2	13.6	14.0	14.1	14.4	14.8
6H	14.2	14.5	14.7	14.9	15.4	13.8	14.1	14.3	14.5	15.0
8H	14.3	14.5	14.7	15.0	15.4	13.8	14.1	14.3	14.5	15.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.2 / - 1.5					+ 1.1 / - 1.5				
1.5H	+ 1.9 / - 1.2					+ 1.3 / - 1.0				
2.0H	+ 2.4 / - 1.8					+ 2.3 / - 1.7				

CIE Pub.117, 851.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)
Area: 0.00151976 m2

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

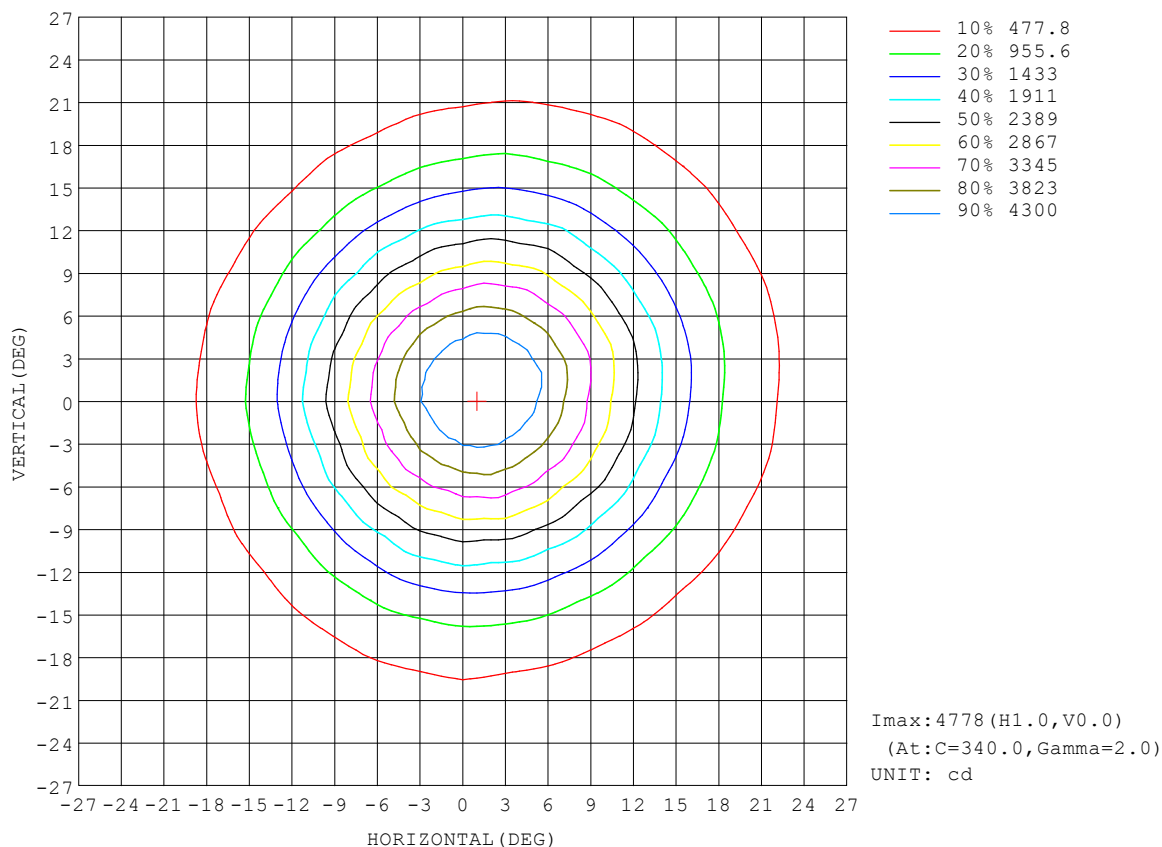
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	79	88	83	79	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	99	95	101	97	95	90
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	100	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
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: 01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

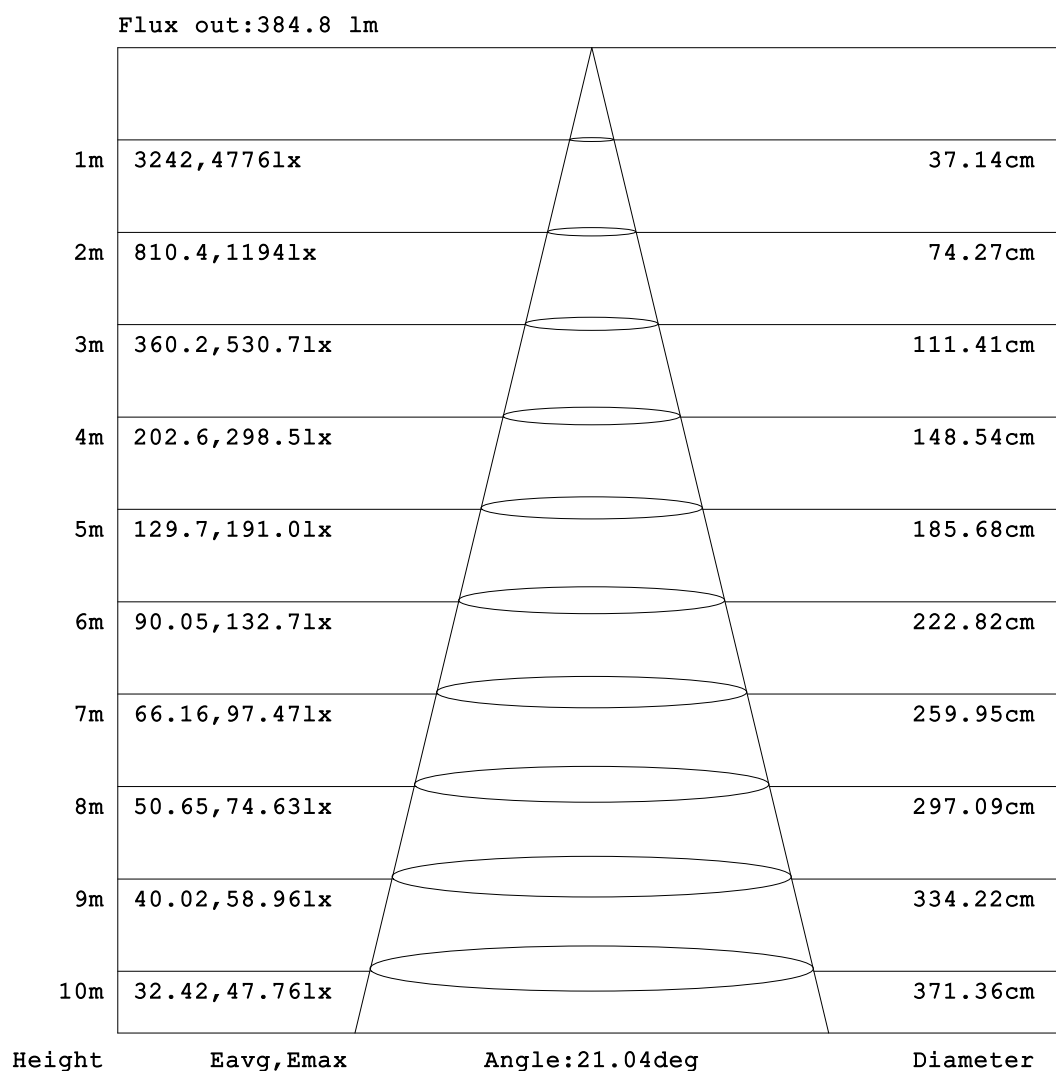


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:01 August 2025

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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



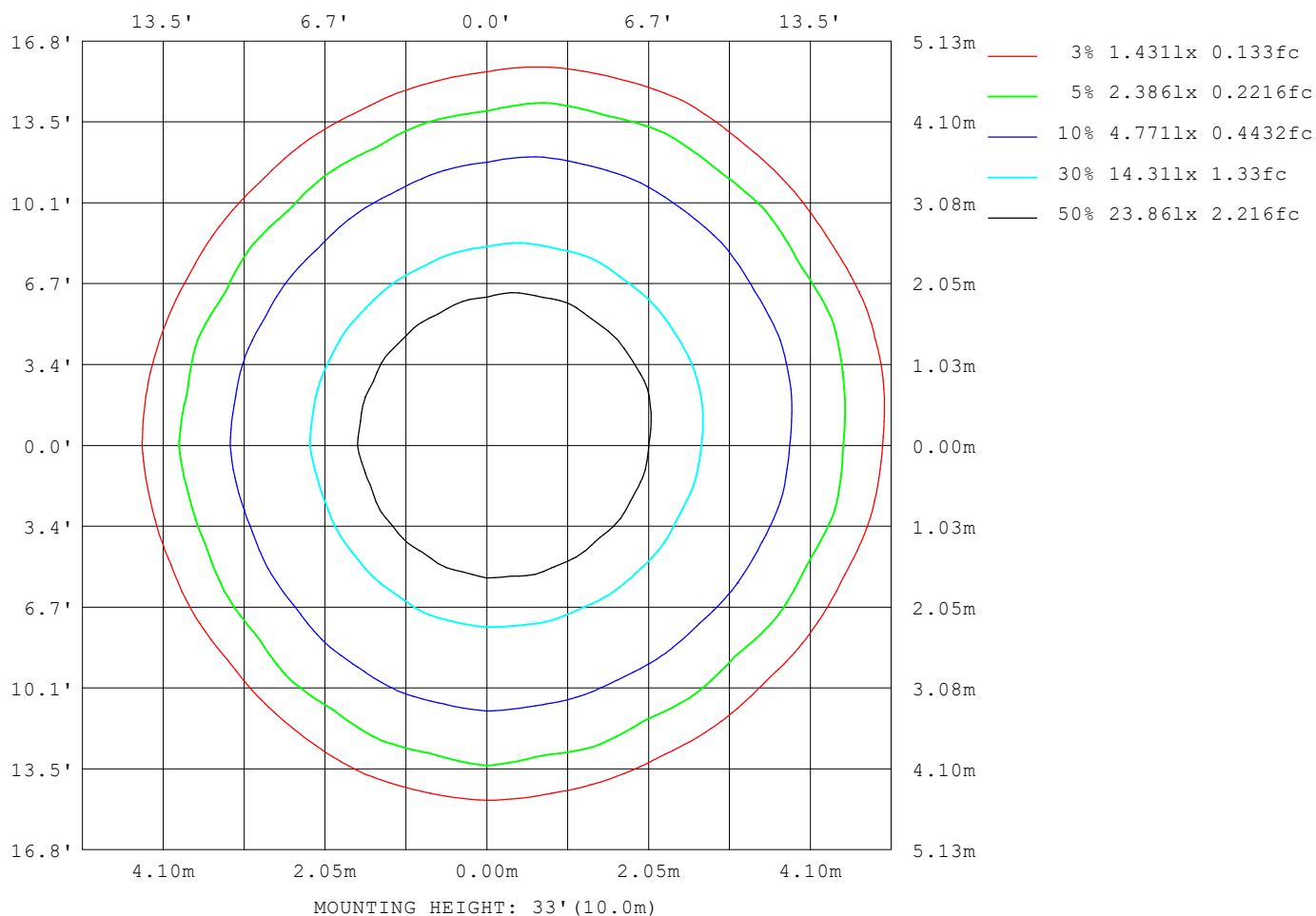
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:CAM
 Test Date:01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:CAM
Test Date:01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

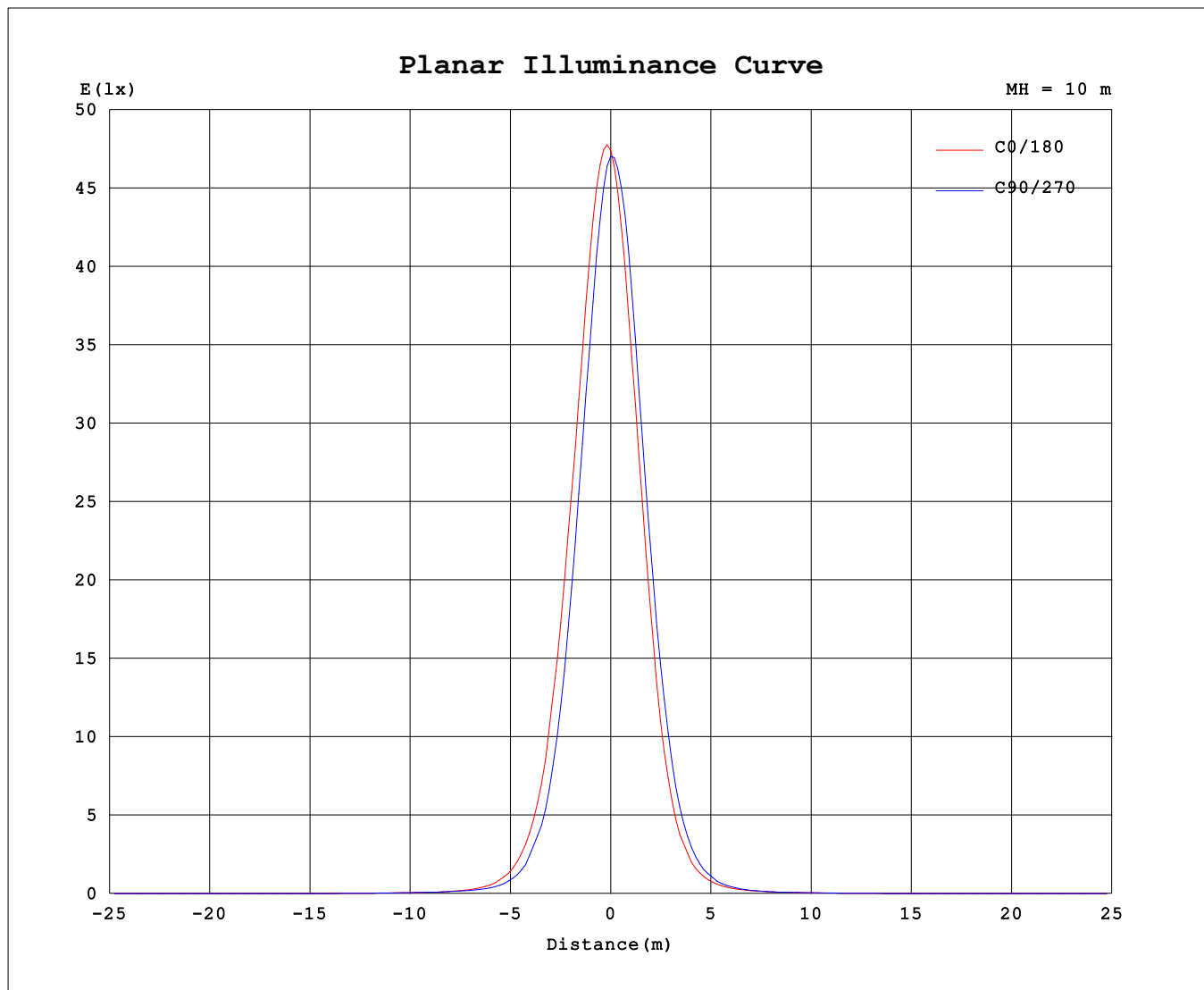
AvgL	cd/m2
L_0~180 (65) av	5526
L_0~180 (75) av	3862
L_0~180 (85) av	1362
L_90~270 (65) av	5703
L_90~270 (75) av	4129
L_90~270 (85) av	2226
L_45 (65) av	5640
L_45 (75) av	4014
L_45 (85) av	1642

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:01 August 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: 01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm		
NAME:	TYPE: 2700K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	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	4741	4728	4730	4717	4719	4712	4711	4706	4702	4703	4696	4705	4695	4708	4698	4714	4705	4721	4741
5	4348	4314	4215	4175	4075	4060	3973	3962	3854	3816	3732	3734	3673	3701	3649	3670	3644	3699	3766
10	2981	2963	2845	2794	2637	2606	2494	2467	2344	2348	2274	2273	2172	2193	2142	2175	2116	2183	2277
15	1641	1586	1467	1424	1335	1282	1207	1180	1123	1107	1053	1054	1003	992	937	952	928	956	1003
20	699	672	606	559	496	472	437	434	416	447	407	416	371	376	335	355	333	364	383
25	276	260	226	207	186	179	171	164	165	163	162	154	146	136	136	134	139	139	145
30	105	99.9	91.7	88.3	82.5	80.1	75.2	73.4	69.9	69.1	65.8	64.7	62.0	62.4	61.4	62.8	62.4	63.5	65.5
35	49.3	48.3	46.5	46.0	44.1	43.4	41.7	40.8	39.1	38.4	37.3	37.1	36.2	36.2	35.6	35.7	35.1	35.1	35.5
40	27.9	27.9	27.6	27.8	27.4	27.5	27.0	26.9	26.1	26.0	25.5	25.3	24.7	24.5	23.9	23.7	23.2	22.8	22.6
45	20.0	19.8	19.7	19.6	19.3	19.2	19.0	19.2	19.1	19.2	18.9	18.9	18.6	18.5	18.0	17.8	17.2	17.0	16.9
50	12.6	12.7	12.6	12.7	12.5	12.6	12.4	12.4	12.2	12.1	11.9	11.9	11.6	11.5	11.3	11.2	10.9	10.8	10.9
55	8.55	8.53	8.50	8.54	8.50	8.53	8.41	8.36	8.24	8.18	8.07	8.00	7.88	7.78	7.64	7.51	7.27	7.06	7.07
60	5.54	5.55	5.50	5.65	5.55	5.60	5.46	5.48	5.29	5.33	5.16	5.16	5.00	4.97	4.80	4.76	4.60	4.57	4.55
65	3.81	3.80	3.78	3.79	3.77	3.79	3.76	3.75	3.71	3.68	3.64	3.60	3.55	3.51	3.44	3.38	3.31	3.26	3.29
70	2.67	2.65	2.63	2.63	2.63	2.62	2.61	2.60	2.57	2.54	2.50	2.47	2.44	2.39	2.34	2.28	2.23	2.18	2.21
75	1.71	1.69	1.68	1.66	1.67	1.65	1.65	1.63	1.62	1.59	1.57	1.53	1.51	1.46	1.43	1.37	1.35	1.31	1.33
80	0.95	0.92	0.93	0.89	0.90	0.87	0.89	0.86	0.89	0.84	0.84	0.78	0.79	0.73	0.71	0.66	0.64	0.56	0.58
85	0.36	0.32	0.35	0.30	0.26	0.28	0.33	0.28	0.32	0.27	0.28	0.22	0.24	0.13	0.16	0.12	0.12	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	0.00	0.00
95	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	0.00	0.00
100	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	0.00	0.00
105	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	0.00	0.00
110	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	0.02	0.00	0.01	0.00
115	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.05	0.00	0.05	0.01
120	0.01	0.07	0.01	0.06	0.01	0.07	0.02	0.08	0.02	0.08	0.03	0.10	0.03	0.11	0.04	0.11	0.05	0.11	0.05
125	0.08	0.15	0.09	0.15	0.08	0.15	0.10	0.16	0.12	0.19	0.15	0.21	0.18	0.24	0.20	0.26	0.20	0.25	0.13
130	0.27	0.33	0.27	0.32	0.29	0.34	0.31	0.38	0.37	0.44	0.43	0.50	0.49	0.55	0.53	0.59	0.55	0.57	0.32
135	0.69	0.73	0.71	0.76	0.74	0.80	0.81	0.87	0.90	0.97	1.01	1.08	1.12	1.17	1.19	1.23	1.22	1.22	0.76
140	1.50	1.51	1.53	1.55	1.60	1.64	1.71	1.76	1.83	1.90	1.98	2.04	2.12	2.16	2.21	2.23	2.26	2.23	1.53
145	2.64	2.65	2.69	2.72	2.80	2.85	2.94	2.99	3.09	3.16	3.25	3.31	3.39	3.41	3.47	3.48	3.51	3.49	2.64
150	3.89	3.92	3.95	3.99	4.05	4.11	4.17	4.25	4.32	4.39	4.45	4.50	4.55	4.60	4.61	4.64	4.63	4.66	3.86
155	4.90	4.94	4.94	5.00	5.00	5.07	5.09	5.18	5.19	5.27	5.27	5.32	5.31	5.36	5.33	5.40	5.37	5.42	4.83
160	5.43	5.49	5.44	5.49	5.46	5.51	5.51	5.54	5.54	5.55	5.56	5.55	5.54	5.54	5.54	5.55	5.58	5.60	5.24
165	5.46	5.40	5.44	5.38	5.43	5.37	5.40	5.33	5.36	5.29	5.32	5.24	5.28	5.24	5.29	5.26	5.33	5.31	5.09
170	4.99	4.92	4.92	4.85	4.86	4.79	4.78	4.67	4.67	4.59	4.62	4.56	4.62	4.60	4.67	4.65	4.72	4.70	4.56
175	4.25	4.18	4.21	4.12	4.16	4.09	4.11	4.01	4.01	3.94	3.98	3.93	3.99	3.98	4.09	4.04	4.07	3.99	3.94
180	3.87	3.84	3.82	3.82	3.91	3.91	3.86	3.81	3.80	3.80	3.80	3.80	3.83	3.85	3.87	3.82	3.80	3.80	3.85

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:01 August 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:230.14V I:0.0830A P:9.8324W PF:0.5146 Freq:50.00Hz Lamp Flux:851.077x1 lm																	
NAME:									TYPE: 2700K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D44mm						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	4728	4730	4717	4719	4712	4711	4706	4702	4703	4696	4705	4695	4708	4698	4714	4705	4721	
5	3769	3810	3832	3886	3922	4018	4033	4141	4175	4281	4316	4400	4411	4474	4463	4491	4439	
10	2255	2304	2293	2394	2397	2496	2520	2654	2706	2869	2925	3064	3066	3155	3152	3203	3100	
15	992	1028	1022	1067	1074	1155	1218	1295	1376	1486	1548	1650	1645	1716	1714	1757	1715	
20	363	388	359	392	379	435	443	501	543	620	656	709	729	766	761	785	757	
25	147	143	147	149	155	163	175	188	204	236	255	282	283	305	293	320	298	
30	64.4	65.8	66.2	69.4	70.8	74.6	75.9	80.1	82.0	88.3	92.6	100	107	108	110	116	114	
35	35.0	35.5	35.7	37.1	37.5	38.7	38.8	39.9	39.7	41.0	41.7	44.1	45.3	48.2	49.5	51.8	51.6	
40	22.1	22.3	22.4	22.8	22.9	23.3	23.3	23.6	23.6	24.0	24.3	25.2	25.6	26.7	27.3	28.4	28.5	
45	16.4	16.9	17.0	17.2	17.2	17.5	17.7	18.1	18.4	18.9	19.1	19.7	19.9	20.3	20.2	20.5	20.4	
50	10.7	10.8	10.8	11.1	11.2	11.4	11.5	11.7	11.8	12.1	12.2	12.5	12.5	12.8	12.8	13.0	12.9	
55	7.00	7.03	7.12	7.32	7.42	7.55	7.63	7.79	7.90	8.07	8.19	8.40	8.48	8.69	8.71	8.81	8.73	
60	4.47	4.55	4.58	4.71	4.72	4.90	4.89	5.11	5.10	5.33	5.34	5.56	5.56	5.75	5.74	5.84	5.72	
65	3.28	3.28	3.31	3.35	3.41	3.48	3.54	3.59	3.64	3.70	3.74	3.79	3.83	3.87	3.86	3.86	3.86	
70	2.22	2.22	2.26	2.29	2.36	2.41	2.48	2.52	2.58	2.63	2.67	2.71	2.75	2.76	2.76	2.75	2.73	
75	1.35	1.34	1.39	1.40	1.46	1.50	1.57	1.61	1.66	1.69	1.73	1.76	1.79	1.78	1.79	1.77	1.77	
80	0.60	0.63	0.69	0.68	0.74	0.76	0.84	0.85	0.91	0.91	0.97	0.98	1.01	0.98	1.01	0.96	0.98	
85	0.07	0.09	0.16	0.09	0.21	0.20	0.28	0.27	0.32	0.30	0.37	0.35	0.33	0.30	0.39	0.35	0.38	
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	0.00	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	
100	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	
105	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	
110	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	
115	0.00	0.01	0.00	0.01	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	
120	0.00	0.04	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.02	0.00	
125	0.06	0.11	0.04	0.10	0.04	0.09	0.03	0.08	0.02	0.08	0.02	0.07	0.01	0.07	0.01	0.07	0.01	
130	0.26	0.29	0.22	0.25	0.19	0.22	0.16	0.21	0.15	0.20	0.13	0.18	0.12	0.18	0.12	0.18	0.12	
135	0.68	0.69	0.62	0.61	0.55	0.55	0.49	0.50	0.45	0.48	0.42	0.45	0.41	0.44	0.39	0.43	0.39	
140	1.47	1.42	1.36	1.32	1.25	1.21	1.15	1.12	1.07	1.06	1.02	1.01	0.98	0.99	0.96	0.98	0.96	
145	2.60	2.52	2.46	2.38	2.31	2.23	2.17	2.11	2.05	2.00	1.97	1.94	1.93	1.91	1.90	1.90	1.91	
150	3.81	3.76	3.69	3.62	3.55	3.47	3.40	3.32	3.26	3.20	3.16	3.12	3.10	3.08	3.08	3.08	3.11	
155	4.77	4.76	4.68	4.66	4.59	4.55	4.46	4.43	4.34	4.30	4.24	4.22	4.18	4.19	4.18	4.22	4.22	
160	5.22	5.24	5.17	5.20	5.13	5.16	5.07	5.09	4.98	4.99	4.91	4.92	4.86	4.90	4.86	4.92	4.92	
165	5.14	5.10	5.18	5.11	5.17	5.11	5.17	5.09	5.10	5.04	5.06	5.02	5.02	4.99	5.02	5.01	5.08	
170	4.63	4.58	4.66	4.63	4.68	4.61	4.65	4.60	4.64	4.59	4.66	4.63	4.70	4.63	4.69	4.65	4.75	
175	4.00	4.01	4.11	4.05	4.07	3.97	4.03	3.97	4.03	4.00	4.09	4.05	4.12	4.05	4.10	4.05	4.10	
180	3.82	3.82	3.86	3.87	3.91	3.85	3.82	3.80	3.81	3.81	3.81	3.81	3.90	3.87	3.82	3.80	3.81	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:01 August 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: