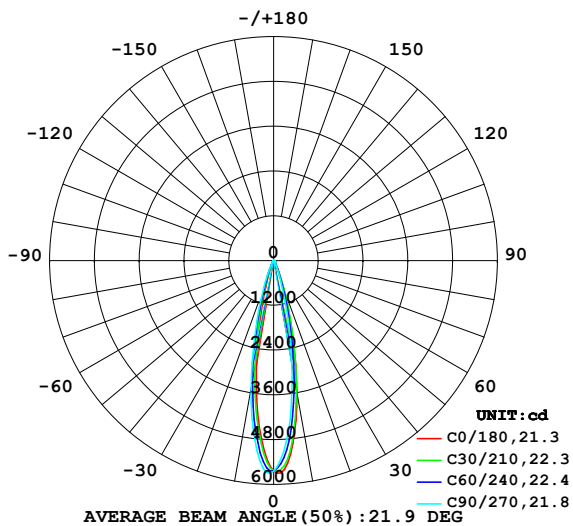


LUMINAIRE PHOTOMETRIC TEST REPORT

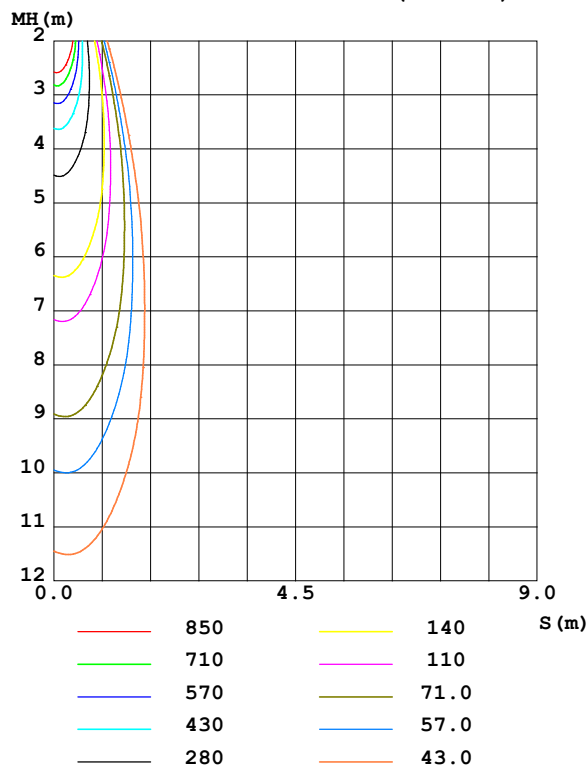
Test:U:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.12 lm/W			
MODEL	XY-X02	I _{max} (cd)	5795	S/MH(C0/180)	0.32
NOMINAL POWER(W)	10W	LOR(%)	100.0	S/MH(C90/270)	0.40
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1028.8	η UP,DN(C0-180)	0.4,46.8
NOMINAL FLUX(lm)	1028.83	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,52.5
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	3606	3411	2839	2368	2588	3092	3503	3637	0- 10	405.7	405.7	39.4,39.4
20	792.5	748.7	528.9	334.6	410.9	579.9	753.5	731.9	10- 20	429.2	834.9	81.2,81.2
30	123.2	108.9	84.84	71.04	76.14	89.78	104.7	115.7	20- 30	119.9	954.8	92.8,92.8
40	33.48	34.40	31.99	28.50	26.95	28.63	29.20	31.51	30- 40	33.34	988.1	96,96
50	15.33	15.45	14.88	13.85	13.20	13.74	14.41	15.37	40- 50	17.16	1005	97.7,97.7
60	6.690	6.851	6.483	5.953	5.510	5.813	6.293	6.825	50- 60	8.887	1014	98.6,98.6
70	3.219	3.241	3.130	2.864	2.687	2.871	3.144	3.312	60- 70	4.421	1019	99,99
80	1.138	1.119	1.050	0.8793	0.7116	0.9009	1.112	1.199	70- 80	2.071	1021	99.2,99.2
90	0.0006	0	0	0	0	0	0	0	80- 90	0.4082	1021	99.2,99.2
100	0	0	0	0	0	0	0	0	90-100	0.0000	1021	99.2,99.2
110	0	0.0084	0.0281	0.0140	0.0002	0.0001	0	0	100-110	0.0023	1021	99.2,99.2
120	0.0388	0.0760	0.1131	0.1039	0.0730	0.0338	0	0.0197	110-120	0.0242	1021	99.2,99.2
130	0.3190	0.4489	0.5734	0.5967	0.3996	0.3285	0.2015	0.1742	120-130	0.1563	1021	99.3,99.3
140	1.757	2.057	2.372	2.596	1.836	1.664	1.319	1.101	130-140	0.7431	1022	99.3,99.3
150	4.675	4.911	5.270	5.610	4.625	4.313	3.952	3.709	140-150	1.979	1024	99.5,99.5
160	6.573	6.524	6.636	6.810	6.311	6.122	6.046	6.018	150-160	2.615	1027	99.8,99.8
170	5.987	5.708	5.529	5.687	5.529	5.534	5.566	5.755	160-170	1.769	1028	100,100
180	4.621	4.733	4.615	4.660	4.593	4.719	4.632	4.683	170-180	0.4931	1029	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

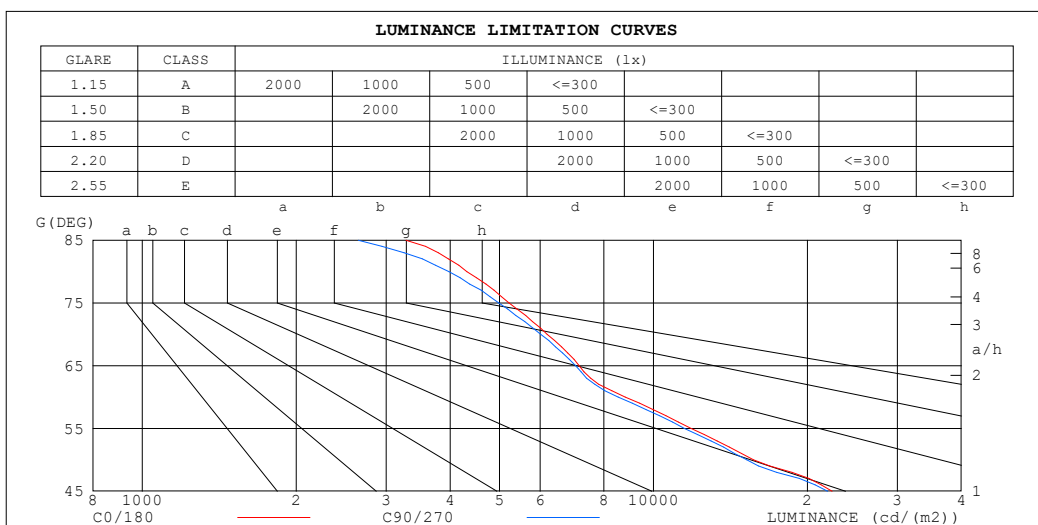
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz

Lamp Flux:1028.83x1 lm

NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



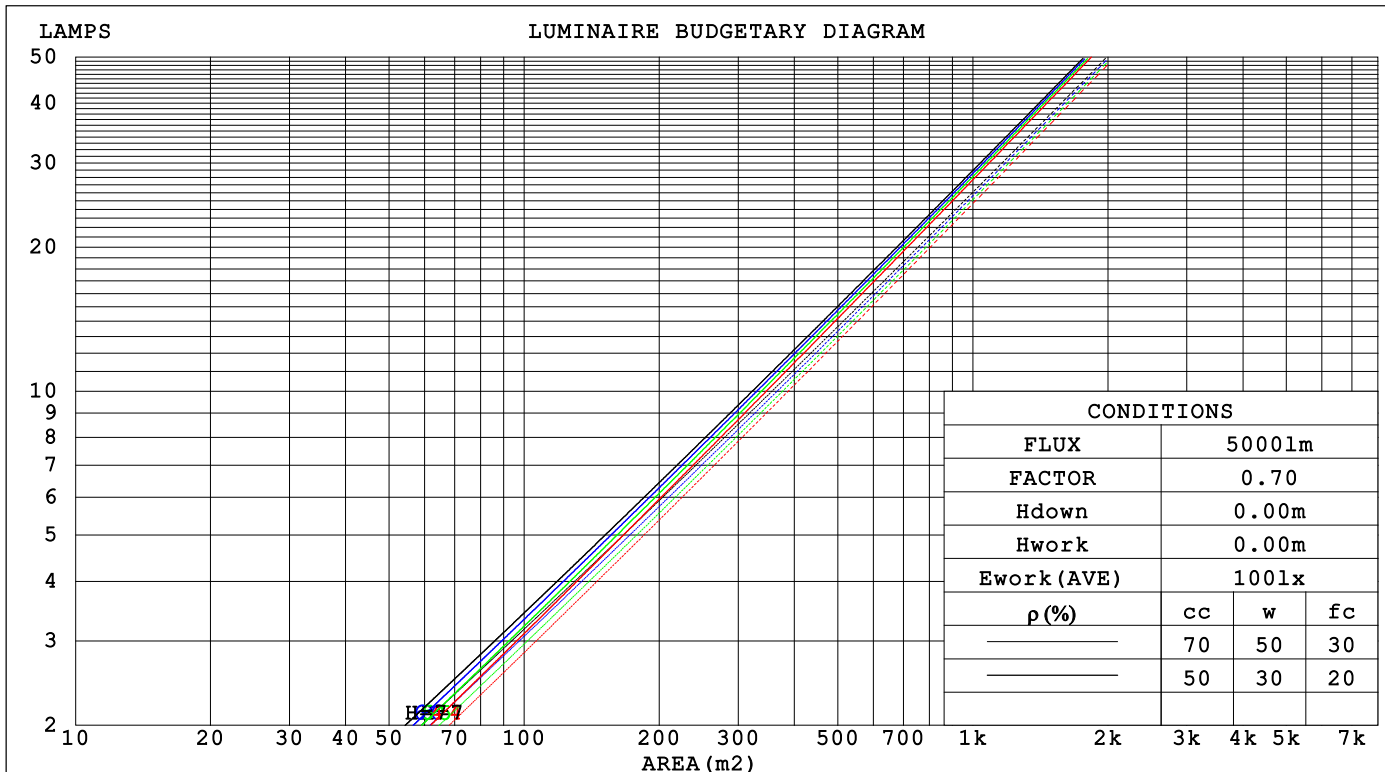
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CAM
Test Date: 01 August 2025

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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	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	.95	.99	.96	.94	.96	.94	.92	.94	.92	.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	.89	.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	.86	.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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm					
NAME:		TYPE: 6500K		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	.096	.055	.018		
2.0	.128	.070	.021	.122	.067	.021	.111	.062	.019	.102	.057	.018	.093	.052	.017		
3.0	.119	.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	.047	.014	.083	.044	.013		
6.0	.098	.049	.014	.095	.048	.014	.090	.046	.013	.084	.044	.013	.080	.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	.083	.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	.063	.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	.038	.029	.023	.012	.010	.007		
7.0	.101	.073	.054	.087	.064	.047	.060	.045	.033	.035	.026	.020	.011	.009	.007		
8.0	.095	.067	.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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm										
NAME:					TYPE: 6500K			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	13.7	14.3	13.9	14.5	14.6	13.2	13.8	13.4	14.0	14.1
3H	13.9	14.5	14.2	14.7	14.9	13.5	14.1	13.7	14.3	14.5
4H	14.0	14.6	14.3	14.8	15.1	13.6	14.2	13.9	14.4	14.6
6H	14.1	14.6	14.4	14.9	15.1	13.7	14.2	14.0	14.4	14.7
8H	14.1	14.6	14.4	14.9	15.1	13.7	14.2	14.0	14.4	14.7
12H	14.1	14.6	14.4	14.8	15.1	13.6	14.1	14.0	14.4	14.7
4H 2H	13.7	14.3	14.0	14.5	14.7	13.3	13.9	13.6	14.1	14.3
3H	14.1	14.6	14.4	14.9	15.2	13.7	14.2	14.0	14.5	14.8
4H	14.3	14.7	14.6	15.0	15.3	13.9	14.3	14.2	14.6	15.0
6H	14.3	14.8	14.7	15.1	15.5	14.0	14.4	14.4	14.7	15.1
8H	14.4	14.7	14.8	15.1	15.5	14.0	14.4	14.4	14.7	15.1
12H	14.3	14.7	14.8	15.1	15.5	14.0	14.3	14.4	14.7	15.1
8H 4H	14.2	14.6	14.6	15.0	15.4	13.9	14.3	14.3	14.6	15.0
6H	14.4	14.7	14.8	15.1	15.5	14.0	14.4	14.5	14.8	15.2
8H	14.4	14.7	14.9	15.1	15.6	14.1	14.4	14.5	14.8	15.2
12H	14.4	14.7	14.9	15.1	15.6	14.1	14.3	14.6	14.8	15.3
12H 4H	14.2	14.5	14.6	14.9	15.3	13.8	14.2	14.3	14.6	15.0
6H	14.3	14.6	14.8	15.1	15.5	14.0	14.3	14.5	14.7	15.2
8H	14.4	14.6	14.9	15.1	15.6	14.1	14.3	14.5	14.8	15.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.2 / - 1.6					+ 1.1 / - 1.5				
1.5H	+ 1.8 / - 1.2					+ 1.3 / - 1.1				
2.0H	+ 2.5 / - 1.7					+ 2.4 / - 1.7				

CIE Pub.117, 1029 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)
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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

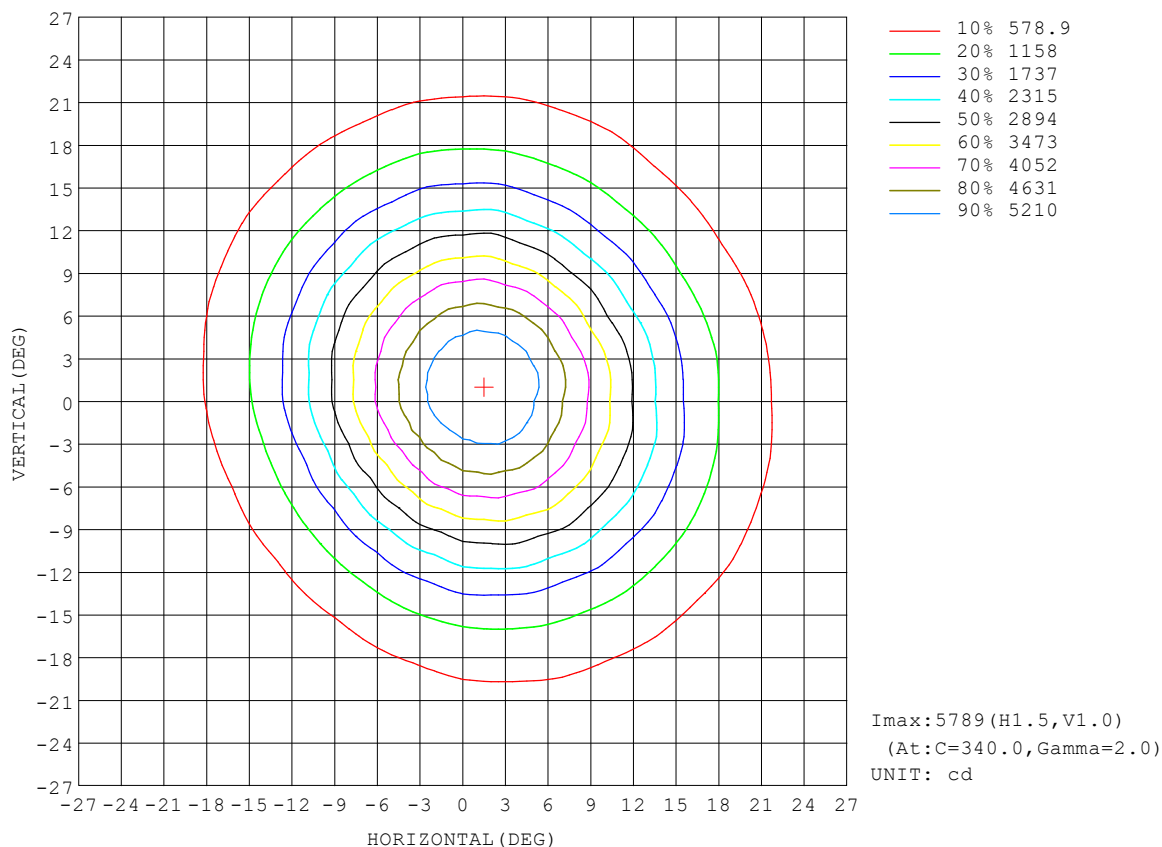
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	79	88	83	79	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	98	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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

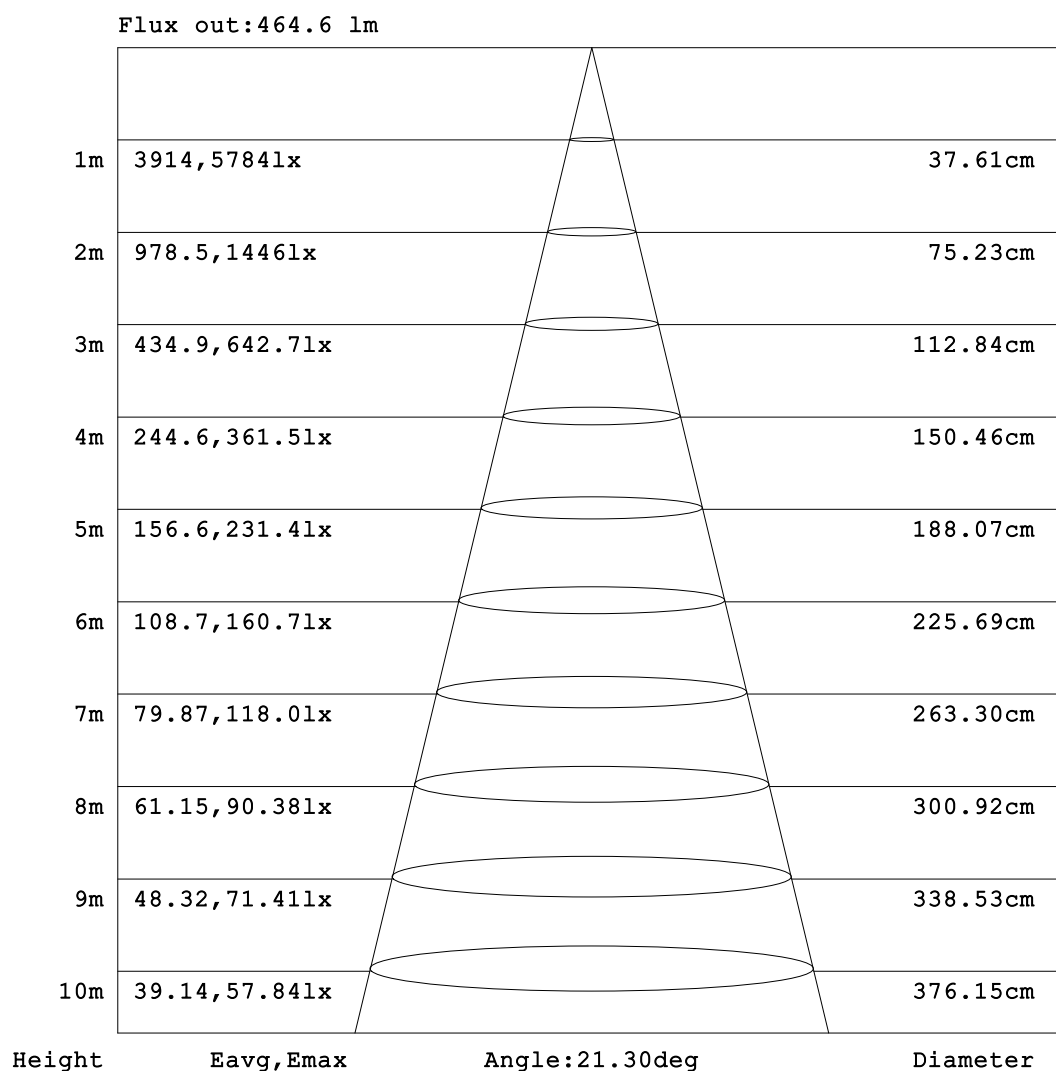


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:01 August 2025

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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



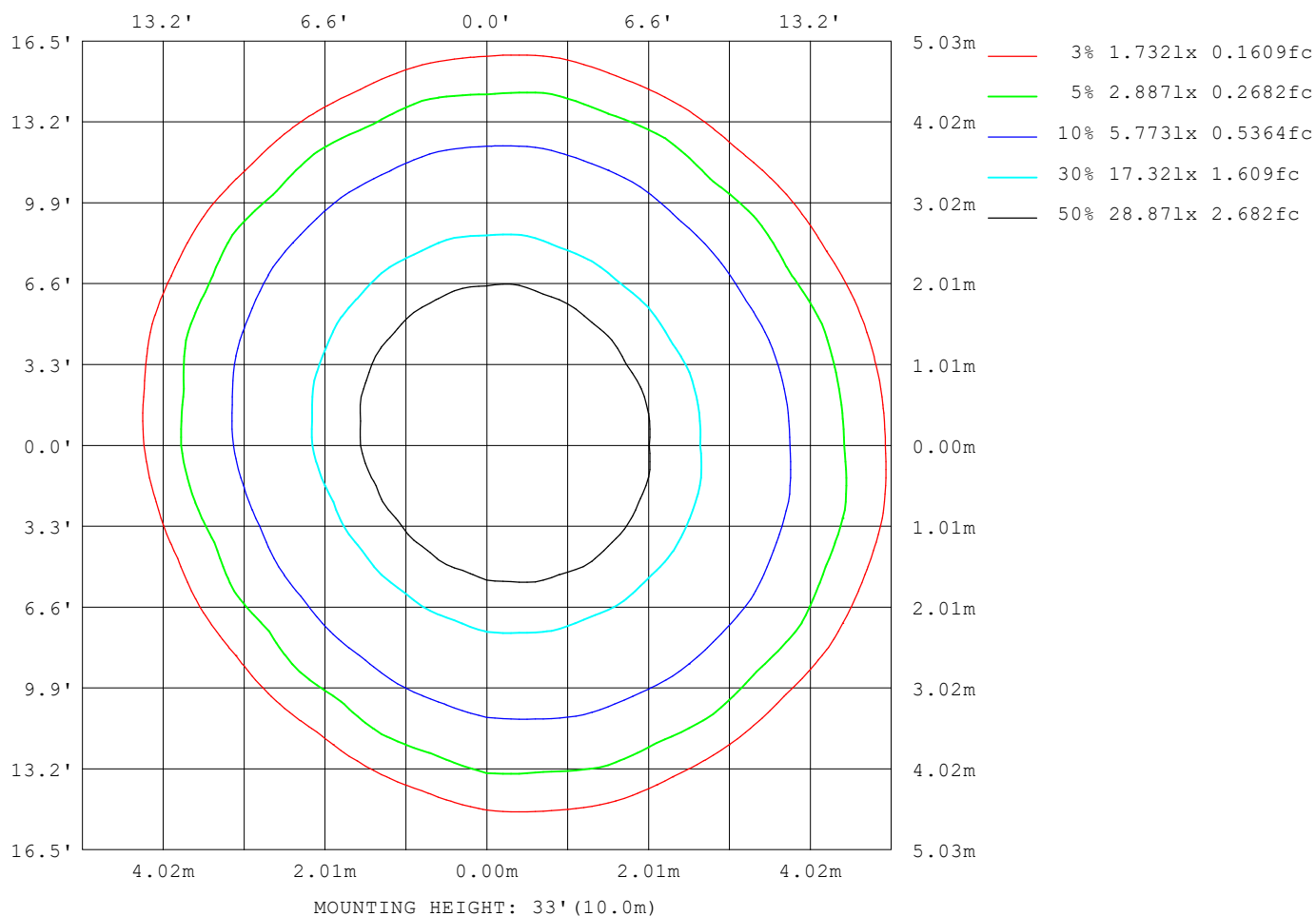
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

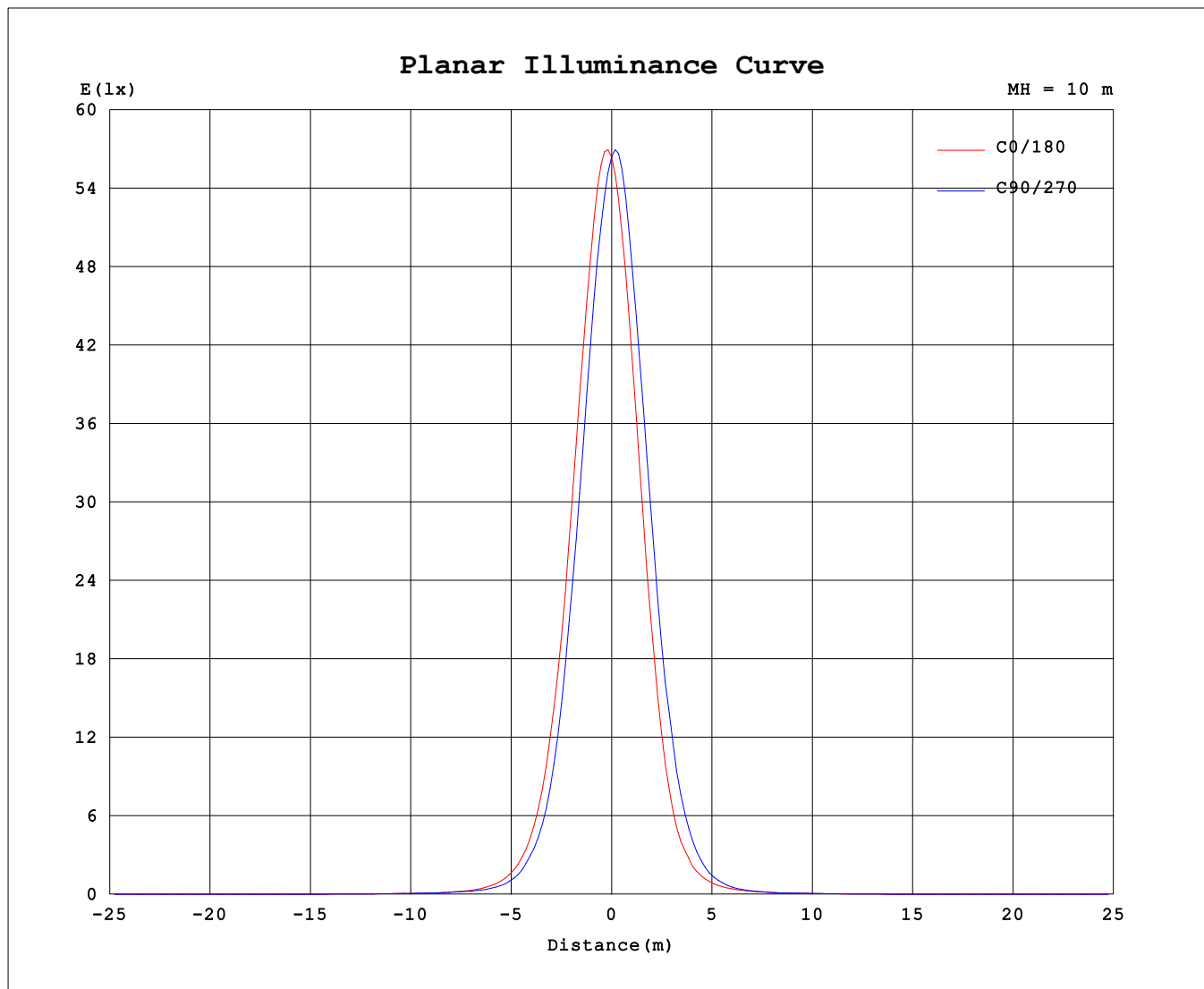
AvgL	cd/m2
L_0~180 (65) av	6689
L_0~180 (75) av	4669
L_0~180 (85) av	1661
L_90~270 (65) av	6968
L_90~270 (75) av	5064
L_90~270 (85) av	2864
L_45 (65) av	6876
L_45 (75) av	4907
L_45 (85) av	2146

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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm		
NAME:	TYPE: 6500K	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	5637	5628	5636	5630	5634	5632	5632	5636	5628	5642	5628	5649	5634	5661	5645	5674	5661	5686	5637
5	5213	5215	5137	5118	5013	4960	4827	4774	4632	4600	4469	4442	4317	4321	4238	4305	4283	4392	4461
10	3606	3631	3531	3528	3428	3393	3191	3112	2931	2839	2638	2585	2432	2414	2321	2370	2344	2465	2588
15	1878	1955	1921	1897	1782	1748	1597	1548	1443	1344	1237	1133	1012	980	921	942	936	1007	1112
20	792	830	811	817	765	733	670	640	574	529	453	422	352	354	315	344	328	371	411
25	312	338	318	325	282	269	249	242	220	204	174	159	150	144	144	144	146	149	160
30	123	125	120	118	111	107	100.0	96.6	90.0	84.8	77.6	74.7	71.5	71.5	70.6	72.1	71.7	73.5	76.1
35	59.2	59.9	58.4	57.9	55.8	55.3	53.0	51.3	48.8	47.2	45.1	44.2	43.1	43.0	42.2	42.4	41.7	41.9	42.4
40	33.5	34.0	33.9	34.5	34.2	34.5	34.1	33.9	32.8	32.0	30.9	30.4	29.3	28.9	28.1	27.9	27.3	27.1	27.0
45	24.0	24.4	24.6	25.0	24.9	25.0	24.6	24.5	23.9	23.5	22.8	22.5	21.8	21.5	20.9	20.7	20.3	20.4	20.3
50	15.3	15.4	15.4	15.6	15.4	15.5	15.2	15.2	14.9	14.9	14.5	14.5	14.1	14.0	13.7	13.6	13.3	13.2	13.2
55	10.3	10.4	10.3	10.5	10.4	10.5	10.3	10.3	10.1	10.0	9.81	9.76	9.55	9.46	9.25	9.12	8.82	8.60	8.60
60	6.69	6.70	6.73	6.85	6.86	6.84	6.77	6.69	6.55	6.48	6.31	6.26	6.09	6.06	5.85	5.78	5.59	5.57	5.51
65	4.60	4.62	4.61	4.63	4.63	4.65	4.62	4.62	4.55	4.52	4.44	4.41	4.31	4.29	4.17	4.12	4.01	3.99	3.99
70	3.22	3.24	3.22	3.24	3.23	3.25	3.24	3.23	3.16	3.13	3.06	3.02	2.96	2.90	2.82	2.77	2.70	2.67	2.69
75	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.04	2.00	1.96	1.91	1.87	1.83	1.78	1.72	1.67	1.62	1.60	1.62
80	1.14	1.13	1.13	1.12	1.13	1.11	1.13	1.10	1.10	1.05	1.03	0.98	0.96	0.90	0.86	0.80	0.77	0.71	0.71
85	0.43	0.41	0.43	0.40	0.34	0.37	0.42	0.39	0.41	0.35	0.35	0.30	0.31	0.18	0.21	0.16	0.14	0.02	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	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	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.01	0.00
110	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.04	0.00
115	0.00	0.05	0.00	0.05	0.00	0.05	0.01	0.06	0.01	0.06	0.01	0.06	0.00	0.06	0.01	0.07	0.01	0.07	0.03
120	0.04	0.10	0.04	0.08	0.04	0.11	0.05	0.11	0.06	0.11	0.07	0.12	0.07	0.13	0.08	0.14	0.08	0.15	0.07
125	0.12	0.18	0.13	0.20	0.15	0.21	0.17	0.23	0.20	0.25	0.21	0.26	0.22	0.27	0.22	0.28	0.23	0.30	0.17
130	0.32	0.39	0.36	0.43	0.41	0.48	0.47	0.53	0.53	0.57	0.55	0.60	0.57	0.61	0.58	0.62	0.61	0.65	0.40
135	0.80	0.87	0.89	0.97	1.01	1.08	1.12	1.18	1.21	1.25	1.28	1.30	1.31	1.34	1.36	1.37	1.38	1.40	0.91
140	1.76	1.79	1.87	1.93	2.03	2.09	2.20	2.24	2.35	2.37	2.45	2.48	2.55	2.56	2.63	2.63	2.67	2.64	1.84
145	3.15	3.17	3.27	3.33	3.44	3.51	3.61	3.68	3.79	3.84	3.96	3.99	4.10	4.12	4.21	4.20	4.25	4.22	3.16
150	4.67	4.71	4.76	4.80	4.88	4.94	5.02	5.09	5.20	5.27	5.37	5.44	5.52	5.59	5.63	5.66	5.68	5.68	4.63
155	5.92	5.94	5.95	5.98	5.99	6.06	6.08	6.17	6.20	6.30	6.35	6.43	6.45	6.55	6.56	6.62	6.60	6.64	5.77
160	6.57	6.61	6.54	6.54	6.51	6.54	6.53	6.56	6.59	6.64	6.69	6.73	6.77	6.80	6.82	6.83	6.87	6.86	6.31
165	6.59	6.49	6.49	6.41	6.42	6.35	6.38	6.32	6.35	6.33	6.41	6.39	6.46	6.45	6.53	6.50	6.53	6.51	6.15
170	5.99	5.90	5.86	5.75	5.75	5.67	5.65	5.56	5.58	5.53	5.59	5.57	5.65	5.65	5.72	5.69	5.73	5.70	5.53
175	5.07	4.99	5.01	4.92	4.98	4.91	4.95	4.84	4.85	4.77	4.84	4.77	4.84	4.83	4.93	4.87	4.90	4.81	4.76
180	4.62	4.59	4.60	4.63	4.73	4.73	4.69	4.64	4.63	4.62	4.61	4.60	4.62	4.64	4.68	4.60	4.58	4.58	4.59

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:230.19V I:0.0834A P:9.8812W PF:0.5148 Freq:50.00Hz Lamp Flux:1028.83x1 lm																	
NAME:									TYPE: 6500K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D44mm						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	5628	5636	5630	5634	5632	5632	5636	5628	5642	5628	5649	5634	5661	5645	5674	5661	5686		
5	4474	4580	4598	4716	4756	4889	4946	5083	5118	5233	5252	5345	5337	5390	5356	5381	5331		
10	2643	2821	2904	3069	3115	3273	3328	3471	3503	3603	3570	3637	3608	3665	3590	3678	3684		
15	1209	1302	1385	1481	1561	1656	1689	1805	1802	1877	1813	1845	1793	1857	1830	1919	1911		
20	420	477	512	568	592	645	674	741	753	783	765	771	729	735	732	778	792		
25	173	184	189	203	207	227	239	267	279	309	287	284	271	279	279	310	306		
30	77.2	81.2	83.4	88.5	91.0	96.6	98.5	103	105	109	108	113	113	118	120	126	126		
35	42.3	43.6	44.3	46.3	47.0	48.6	48.8	50.0	49.3	50.3	50.2	52.5	53.5	56.3	57.3	60.3	60.8		
40	26.9	27.6	27.9	28.5	28.8	29.3	29.3	29.6	29.2	29.3	29.3	30.3	30.8	32.2	32.8	34.0	34.2		
45	20.1	21.0	21.3	22.0	22.1	22.5	22.6	22.9	22.9	23.1	23.0	23.2	23.0	23.0	23.1	23.5	23.9		
50	13.1	13.2	13.3	13.7	13.8	14.1	14.1	14.4	14.4	14.8	14.8	15.2	15.2	15.5	15.5	15.7	15.6		
55	8.51	8.59	8.71	9.00	9.12	9.32	9.37	9.59	9.64	9.88	9.94	10.2	10.2	10.5	10.5	10.7	10.6		
60	5.42	5.56	5.62	5.78	5.85	6.02	6.07	6.24	6.29	6.45	6.53	6.68	6.77	6.88	6.93	7.00	6.96		
65	3.98	4.02	4.05	4.12	4.18	4.28	4.33	4.39	4.43	4.50	4.52	4.60	4.62	4.66	4.66	4.69	4.67		
70	2.70	2.73	2.77	2.84	2.90	2.99	3.05	3.11	3.14	3.19	3.22	3.28	3.30	3.32	3.31	3.32	3.30		
75	1.64	1.65	1.69	1.75	1.81	1.87	1.93	1.99	2.02	2.05	2.08	2.12	2.13	2.15	2.14	2.13	2.13		
80	0.72	0.79	0.85	0.86	0.94	0.97	1.04	1.07	1.11	1.13	1.18	1.19	1.21	1.19	1.20	1.18	1.19		
85	0.10	0.13	0.21	0.15	0.28	0.28	0.35	0.36	0.41	0.40	0.45	0.45	0.41	0.38	0.47	0.43	0.46		
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	0.01		
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	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.02	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.02	0.00		
120	0.01	0.08	0.01	0.06	0.01	0.06	0.00	0.06	0.00	0.05	0.00	0.05	0.00	0.04	0.00	0.04	0.00		
125	0.11	0.16	0.10	0.15	0.09	0.14	0.07	0.12	0.06	0.10	0.04	0.10	0.04	0.09	0.03	0.09	0.04		
130	0.35	0.40	0.33	0.36	0.30	0.32	0.25	0.28	0.20	0.24	0.17	0.21	0.15	0.20	0.15	0.20	0.16		
135	0.88	0.88	0.84	0.84	0.77	0.75	0.67	0.65	0.56	0.56	0.49	0.50	0.44	0.47	0.42	0.48	0.46		
140	1.83	1.79	1.75	1.70	1.63	1.56	1.47	1.39	1.32	1.24	1.17	1.15	1.11	1.10	1.10	1.12	1.15		
145	3.16	3.07	3.03	2.94	2.87	2.76	2.69	2.56	2.50	2.39	2.33	2.27	2.25	2.22	2.23	2.24	2.31		
150	4.58	4.50	4.43	4.35	4.28	4.18	4.12	4.01	3.95	3.86	3.82	3.75	3.73	3.68	3.72	3.71	3.78		
155	5.70	5.65	5.57	5.52	5.46	5.42	5.36	5.32	5.26	5.21	5.17	5.14	5.13	5.11	5.10	5.12	5.14		
160	6.24	6.23	6.13	6.15	6.09	6.13	6.08	6.11	6.05	6.08	6.02	6.05	6.00	6.04	5.98	6.04	6.01		
165	6.18	6.09	6.13	6.05	6.10	6.05	6.14	6.11	6.17	6.14	6.20	6.18	6.21	6.19	6.20	6.19	6.23		
170	5.58	5.51	5.55	5.51	5.55	5.47	5.52	5.50	5.57	5.57	5.68	5.69	5.77	5.74	5.79	5.76	5.84		
175	4.83	4.85	4.95	4.89	4.91	4.79	4.84	4.79	4.84	4.83	4.94	4.92	5.00	4.94	4.99	4.97	5.03		
180	4.59	4.59	4.67	4.69	4.74	4.68	4.64	4.62	4.63	4.60	4.60	4.60	4.69	4.67	4.61	4.58	4.60		

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: