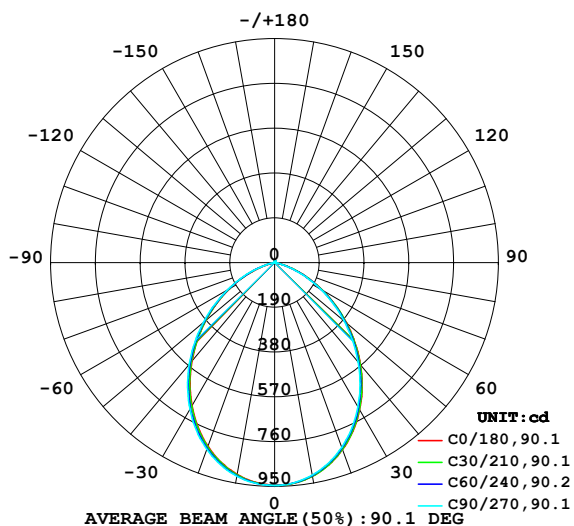


LUMINAIRE PHOTOMETRIC TEST REPORT

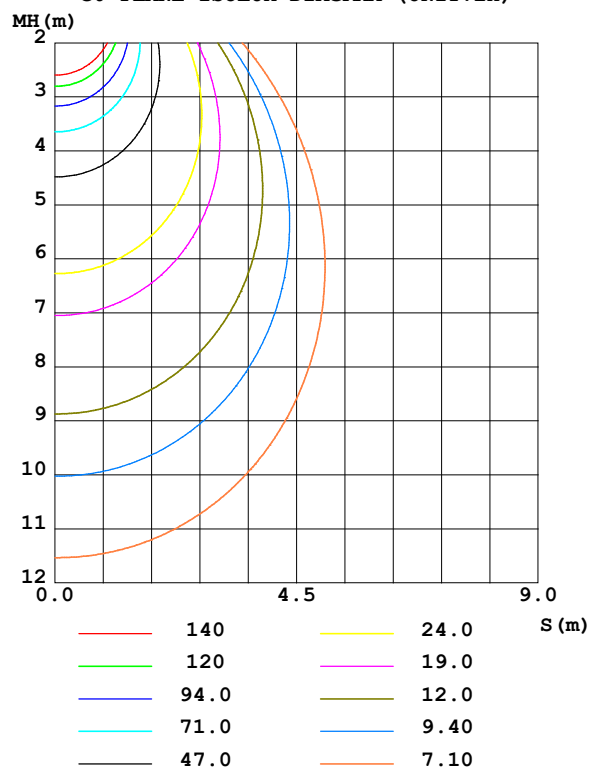
Test:U:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 104.86 lm/W
MODEL	XY-1002	I _{max} (cd)	946.2	S/MH(C0/180)	1.12	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.15	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1934.7	η UP,DN(C0-180)	0.4,49.2	
NOMINAL FLUX(lm)	1934.66	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,50.1	
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	η down (%)	99.3	CIBSE SHR MAX	1.25	

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	921.2	919.5	915.9	913.0	913.0	916.7	920.7	924.1	0- 10	88.95	88.95	4.6,4.6
20	844.1	840.0	833.5	828.1	828.9	835.2	842.4	848.6	10- 20	248.8	337.8	17.5,17.5
30	721.8	715.9	707.4	700.1	701.6	709.5	719.1	727.6	20- 30	358.6	696.4	36,36
40	567.7	561.2	551.7	543.0	545.7	553.8	563.8	574.1	30- 40	398.3	1095	56.6,56.6
50	398.8	393.9	384.8	374.9	379.9	385.4	394.4	405.7	40- 50	365.2	1460	75.5,75.5
60	234.4	231.6	224.1	213.4	220.7	222.7	230.3	240.6	50- 60	274.4	1734	89.6,89.6
70	91.61	88.59	82.79	75.20	77.51	83.11	88.45	93.70	60- 70	151.9	1886	97.5,97.5
80	0.5906	0.6151	0.4963	0.3813	0.2617	0.4625	0.5691	0.8172	70- 80	33.77	1920	99.2,99.2
90	0.1853	0.2194	0.2476	0.2389	0.1800	0.1433	0.1290	0.1292	80- 90	0.2188	1920	99.3,99.3
100	0.5713	0.6238	0.6744	0.6818	0.5341	0.4908	0.4372	0.4377	90-100	0.3797	1921	99.3,99.3
110	1.223	1.258	1.321	1.345	1.108	1.053	1.004	0.9825	100-110	0.8861	1921	99.3,99.3
120	2.032	2.063	2.135	2.176	1.877	1.802	1.738	1.716	110-120	1.526	1923	99.4,99.4
130	2.925	2.961	3.040	3.091	2.736	2.644	2.560	2.538	120-130	2.121	1925	99.5,99.5
140	3.862	3.886	3.982	4.029	3.644	3.548	3.457	3.442	130-140	2.522	1928	99.6,99.6
150	4.704	4.736	4.842	4.882	4.533	4.449	4.345	4.343	140-150	2.610	1930	99.8,99.8
160	5.396	5.435	5.548	5.555	5.289	5.199	5.131	5.109	150-160	2.297	1932	99.9,99.9
170	5.906	5.954	6.002	6.036	5.879	5.817	5.726	5.741	160-170	1.588	1934	100,100
180	6.126	6.168	6.120	6.162	6.126	6.168	6.114	6.151	170-180	0.5731	1935	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]

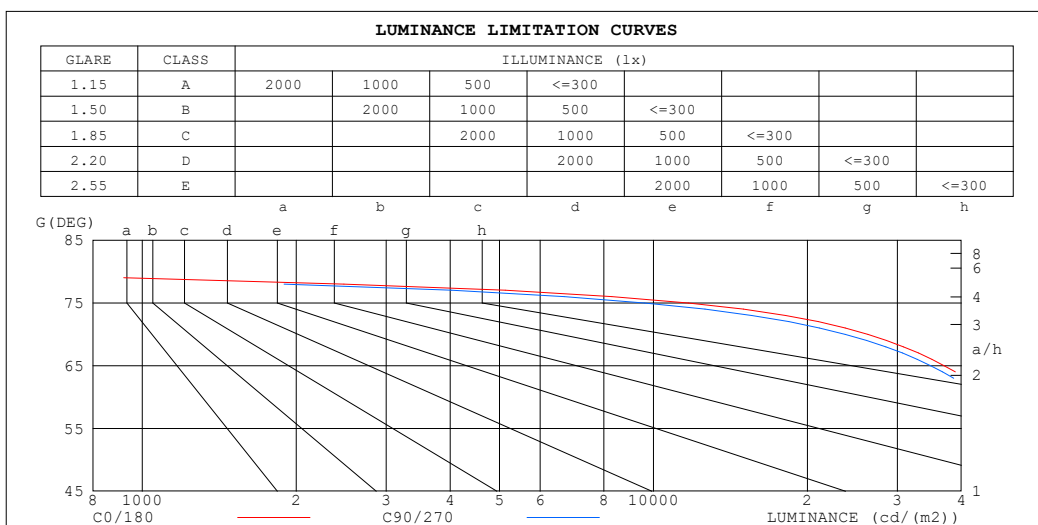
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz

Lamp Flux:1934.66x1 lm

NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	Shielding Angle:



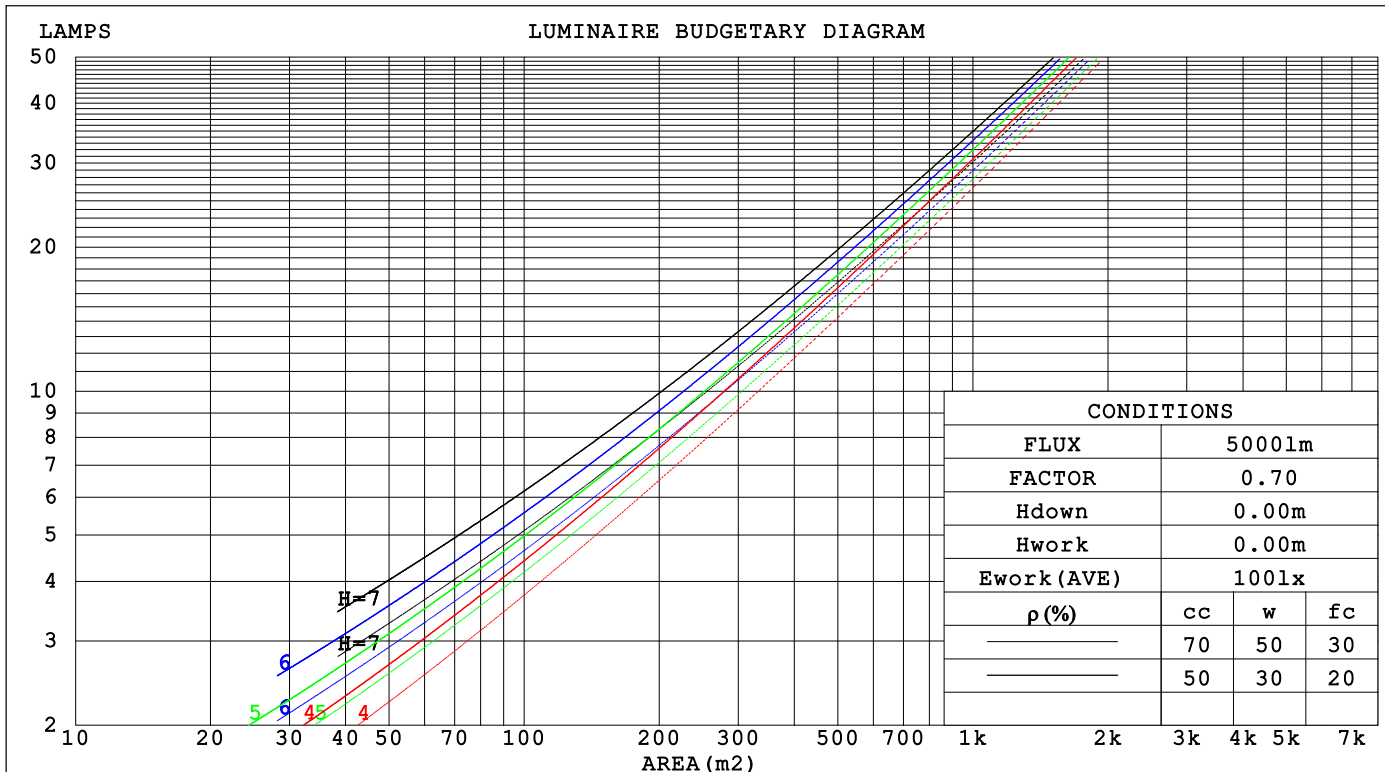
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CAM
Test Date: 31 July 2025

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	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: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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm					
NAME:		TYPE: 4000K		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.: D114		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	.246	.140	.044	.239	.137	.043	.226	.130	.041	.214	.123	.040	.202	.117	.038		
2.0	.242	.133	.041	.236	.130	.040	.224	.125	.039	.213	.120	.037	.204	.115	.036		
3.0	.231	.123	.037	.225	.121	.036	.215	.117	.035	.206	.113	.035	.197	.109	.034		
4.0	.218	.113	.033	.213	.111	.033	.204	.108	.032	.195	.105	.032	.188	.102	.031		
5.0	.205	.104	.030	.201	.103	.030	.192	.100	.030	.185	.098	.029	.178	.095	.029		
6.0	.193	.097	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027	.169	.089	.026		
7.0	.181	.090	.025	.178	.089	.025	.171	.087	.025	.165	.085	.025	.160	.083	.024		
8.0	.171	.083	.023	.168	.083	.023	.162	.081	.023	.157	.079	.023	.151	.078	.023		
9.0	.161	.078	.022	.159	.077	.022	.153	.076	.021	.148	.074	.021	.144	.073	.021		
10.0	.153	.073	.020	.150	.073	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020		

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	.182	.162	.145	.155	.139	.125	.106	.096	.086	.061	.056	.050	.020	.018	.016		
2.0	.171	.138	.110	.147	.119	.095	.101	.082	.066	.058	.048	.039	.019	.015	.013		
3.0	.163	.120	.086	.140	.103	.074	.096	.072	.052	.055	.042	.031	.018	.014	.010		
4.0	.155	.106	.069	.133	.092	.060	.091	.064	.042	.053	.037	.025	.017	.012	.008		
5.0	.148	.095	.057	.127	.083	.049	.087	.058	.035	.051	.034	.021	.016	.011	.007		
6.0	.141	.087	.048	.121	.075	.042	.084	.053	.030	.049	.031	.018	.016	.010	.006		
7.0	.135	.080	.042	.116	.069	.036	.080	.049	.026	.047	.029	.015	.015	.009	.005		
8.0	.129	.074	.037	.111	.064	.032	.077	.045	.023	.045	.027	.013	.014	.009	.004		
9.0	.123	.069	.033	.106	.060	.028	.074	.042	.020	.043	.025	.012	.014	.008	.004		
10.0	.118	.065	.030	.102	.056	.026	.071	.040	.018	.041	.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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm										
NAME:			TYPE: 4000K			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.:			SUR.: D114			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	24.0	25.4	24.3	25.6	25.8	23.9	25.2	24.1	25.4	25.6
3H	24.6	25.9	24.9	26.1	26.3	24.4	25.6	24.7	25.9	26.1
4H	24.6	25.8	25.0	26.1	26.3	24.4	25.5	24.7	25.8	26.1
6H	24.5	25.6	24.9	25.9	26.2	24.3	25.4	24.6	25.6	25.9
8H	24.5	25.5	24.8	25.8	26.1	24.2	25.3	24.6	25.6	25.9
12H	24.4	25.5	24.8	25.8	26.1	24.2	25.2	24.5	25.5	25.8
4H 2H	24.3	25.5	24.6	25.8	26.0	24.2	25.4	24.5	25.6	25.9
3H	25.0	26.0	25.4	26.3	26.6	24.8	25.8	25.2	26.1	26.4
4H	25.1	26.0	25.4	26.3	26.6	24.8	25.7	25.2	26.0	26.4
6H	25.0	25.8	25.4	26.1	26.5	24.7	25.5	25.1	25.9	26.2
8H	24.9	25.7	25.3	26.0	26.4	24.7	25.4	25.1	25.8	26.2
12H	24.9	25.5	25.3	25.9	26.4	24.6	25.3	25.1	25.7	26.1
8H 4H	25.0	25.7	25.4	26.1	26.5	24.7	25.5	25.2	25.9	26.2
6H	24.9	25.5	25.3	25.9	26.4	24.7	25.3	25.1	25.7	26.1
8H	24.9	25.4	25.3	25.8	26.3	24.6	25.1	25.1	25.6	26.0
12H	24.8	25.3	25.3	25.7	26.2	24.6	25.0	25.1	25.5	26.0
12H 4H	24.9	25.6	25.4	26.0	26.4	24.7	25.4	25.1	25.8	26.2
6H	24.9	25.4	25.3	25.8	26.3	24.6	25.1	25.1	25.6	26.0
8H	24.8	25.3	25.3	25.7	26.2	24.6	25.0	25.1	25.5	26.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.9 / - 1.0					+ 0.9 / - 1.1				

CIE Pub.117, 1935 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.3)
Area: 0.010202 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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	Shielding Angle:

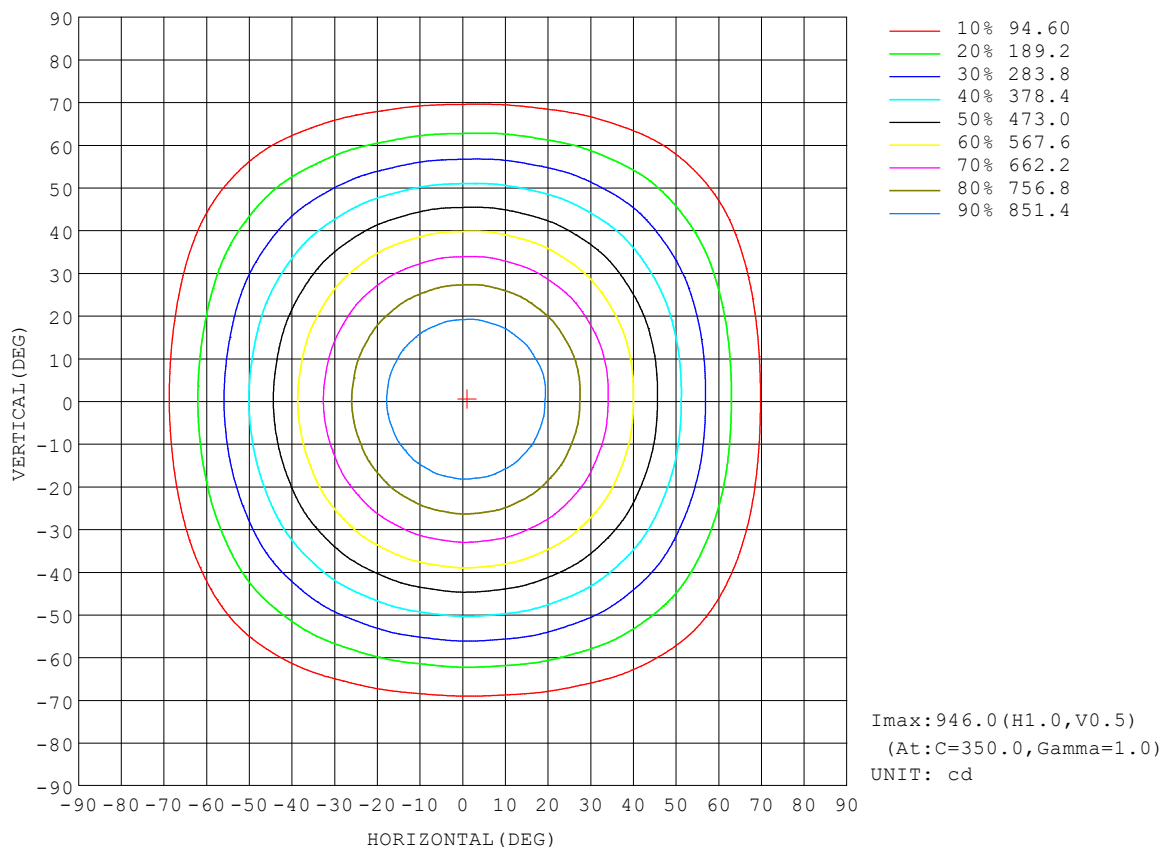
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	54	47	63	53	47	62	53	47	41
0.80	74	64	58	73	64	58	72	63	57	51
1.00	83	73	67	82	73	67	79	73	66	60
1.25	89	81	75	88	80	74	85	78	73	67
1.50	94	86	80	92	85	80	90	83	78	72
2.00	100	93	88	98	92	87	95	90	85	78
2.50	103	97	92	101	95	91	97	93	89	81
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	102	99	90
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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	Shielding Angle:

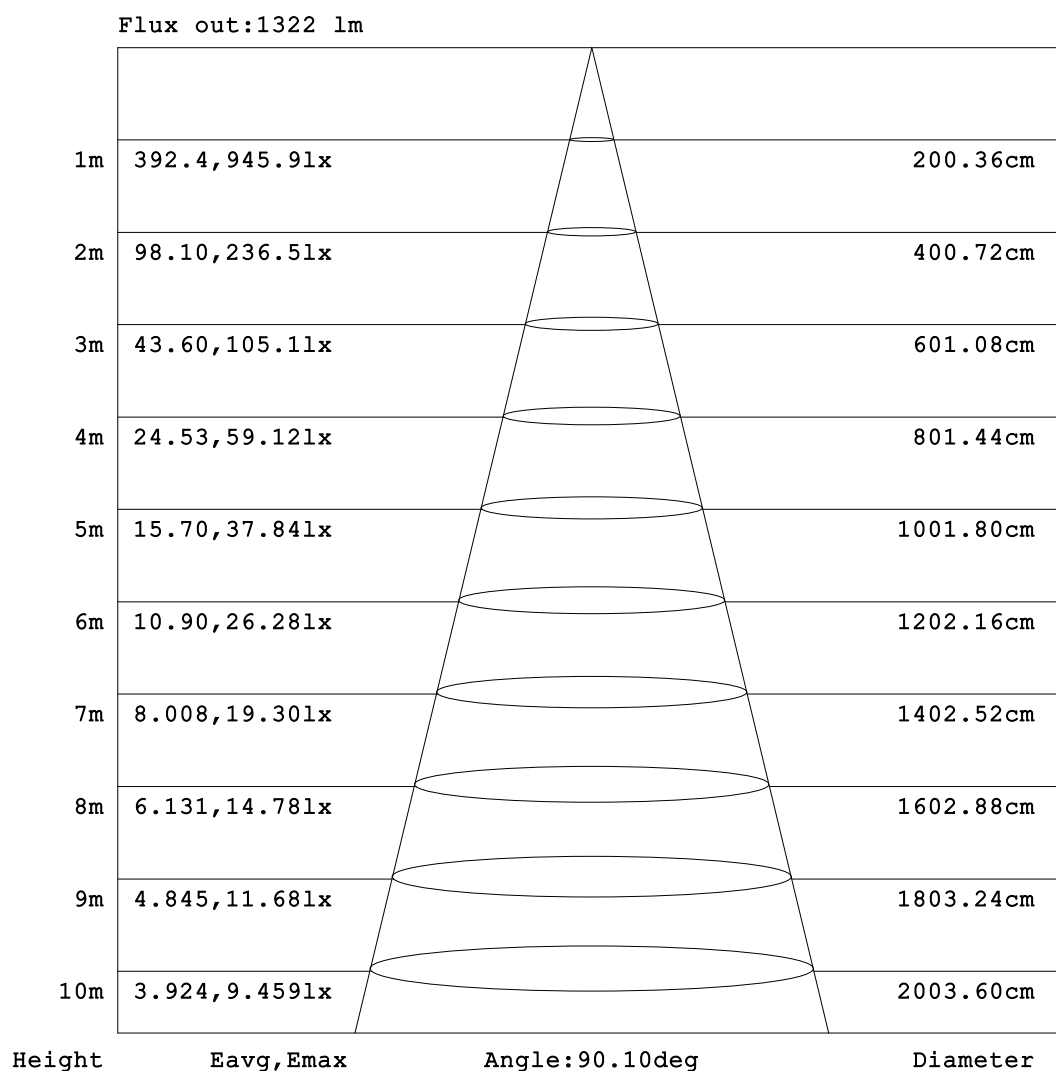


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	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

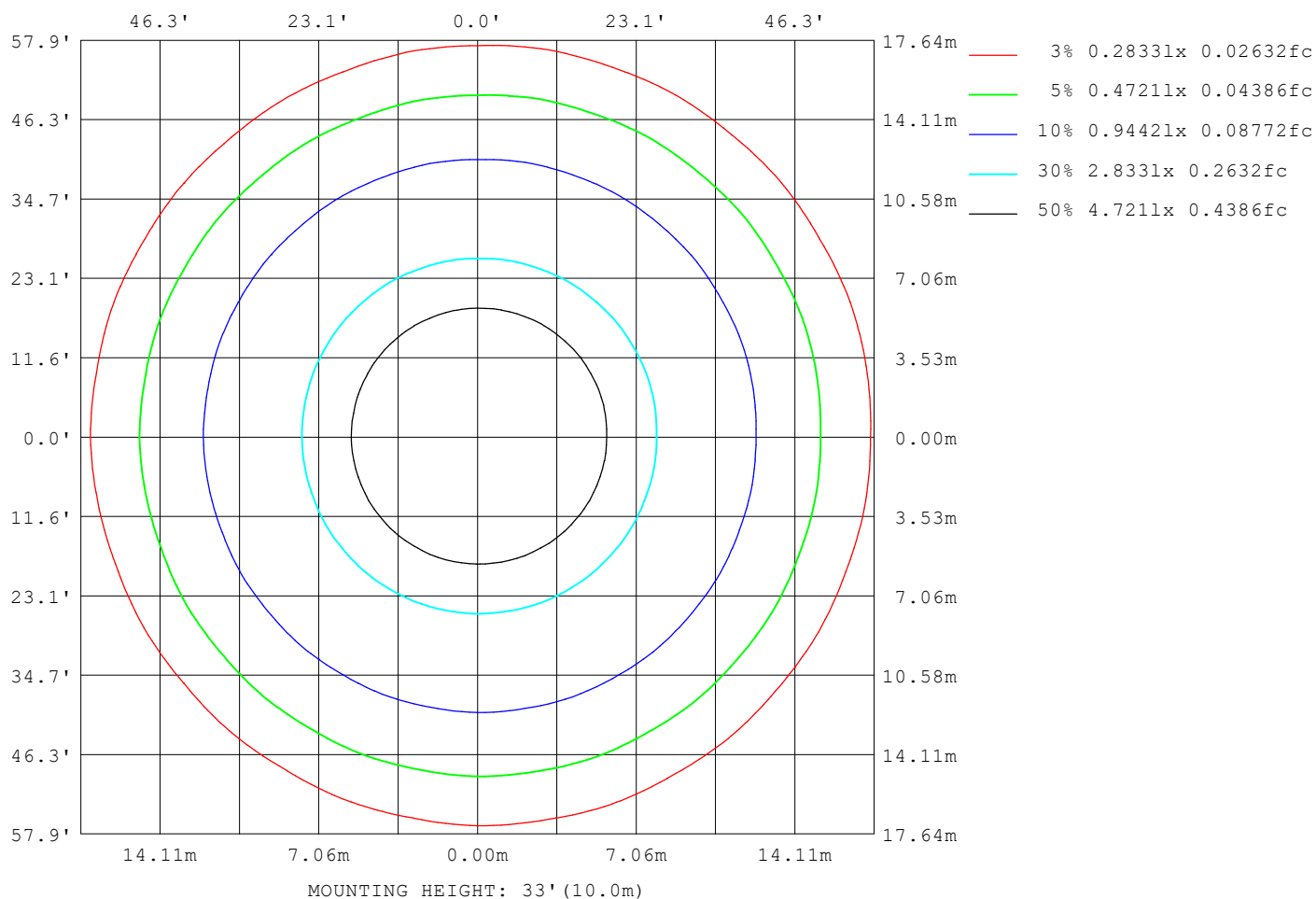
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

Test:U:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	35525
L_0~180 (75) av	9197
L_0~180 (85) av	174
L_90~270 (65) av	35555
L_90~270 (75) av	10612
L_90~270 (85) av	183
L_45 (65) av	35391
L_45 (75) av	10666
L_45 (85) av	162

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

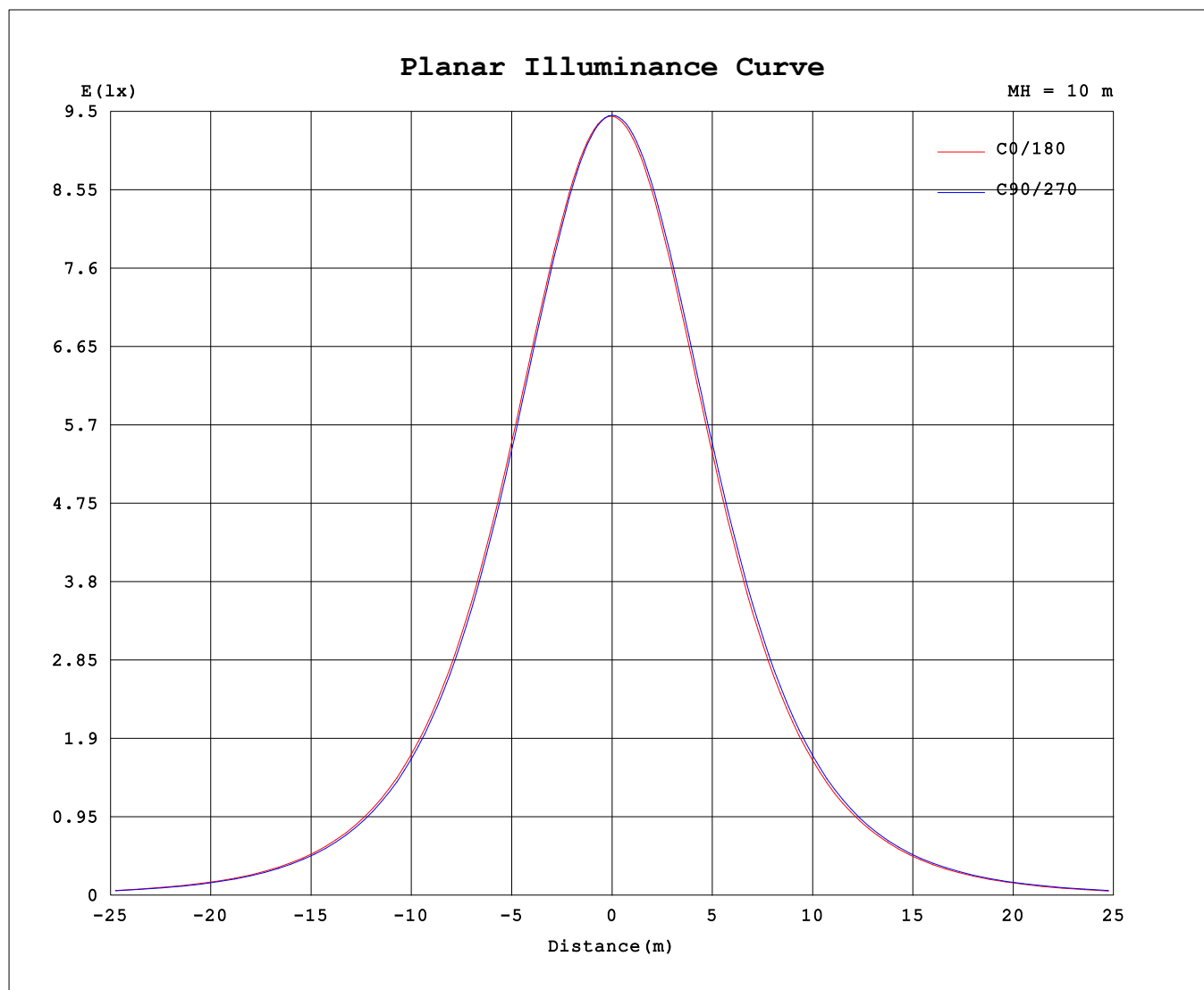
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D114	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	944	945	945	945	945	945	945	945	945	945	945	945	945	946	946	946	946	946	944
5	940	940	940	940	939	939	939	938	938	938	937	937	936	937	936	936	936	937	936
10	921	922	921	921	920	919	918	918	916	916	914	914	913	914	913	913	912	913	913
15	889	889	888	888	886	886	884	883	881	881	879	879	877	877	876	877	876	877	877
20	844	845	843	843	840	840	837	837	834	834	831	831	829	829	827	828	827	828	829
25	788	788	786	786	783	783	779	779	775	775	772	772	769	770	768	769	767	769	770
30	722	722	719	719	716	716	712	712	708	707	704	704	701	701	699	700	698	700	702
35	648	648	645	645	642	641	637	637	632	632	628	628	625	626	623	624	622	624	626
40	568	568	565	565	561	561	557	557	552	552	548	548	544	545	541	543	540	543	546
45	484	484	481	481	478	478	474	473	469	468	464	464	460	461	458	459	457	460	463
50	399	400	396	397	394	394	390	390	385	385	380	380	376	377	373	375	373	377	380
55	315	316	312	314	311	312	308	308	303	303	297	298	293	294	291	293	291	295	299
60	234	235	232	234	231	232	228	229	224	224	219	218	214	215	212	214	213	216	221
65	160	160	158	159	157	157	154	154	151	150	146	145	141	142	139	141	140	143	147
70	91.6	92.7	91.2	91.2	88.6	88.6	85.7	85.9	83.0	82.8	79.6	79.4	76.4	76.6	73.7	71.7	68.6	71.2	77.5
75	30.9	32.0	31.4	32.6	30.4	30.1	27.6	27.6	25.2	25.4	23.5	24.0	22.4	23.0	19.4	13.6	8.16	11.0	17.7
80	0.59	0.61	0.64	0.64	0.64	0.59	0.59	0.55	0.53	0.50	0.49	0.45	0.46	0.41	0.35	0.23	0.23	0.21	0.26
85	0.20	0.18	0.19	0.18	0.19	0.17	0.19	0.17	0.18	0.18	0.19	0.17	0.18	0.17	0.16	0.16	0.15	0.17	0.11
90	0.19	0.24	0.19	0.24	0.19	0.25	0.20	0.25	0.19	0.25	0.20	0.26	0.21	0.26	0.21	0.27	0.22	0.28	0.18
95	0.34	0.40	0.35	0.41	0.36	0.42	0.37	0.43	0.38	0.42	0.39	0.44	0.39	0.45	0.40	0.46	0.40	0.45	0.33
100	0.57	0.63	0.59	0.63	0.59	0.65	0.60	0.66	0.62	0.67	0.63	0.69	0.64	0.70	0.67	0.70	0.66	0.71	0.53
105	0.86	0.91	0.88	0.93	0.89	0.94	0.90	0.95	0.91	0.97	0.94	0.98	0.95	1.00	0.97	1.01	0.96	1.02	0.79
110	1.22	1.25	1.22	1.27	1.23	1.28	1.25	1.30	1.27	1.32	1.29	1.34	1.31	1.36	1.33	1.37	1.33	1.38	1.11
115	1.61	1.65	1.61	1.66	1.63	1.67	1.64	1.70	1.67	1.71	1.69	1.75	1.71	1.77	1.73	1.78	1.75	1.78	1.48
120	2.03	2.07	2.03	2.07	2.04	2.08	2.07	2.11	2.08	2.13	2.11	2.16	2.15	2.19	2.16	2.20	2.18	2.23	1.88
125	2.48	2.51	2.47	2.51	2.49	2.53	2.51	2.56	2.54	2.59	2.57	2.62	2.59	2.64	2.62	2.66	2.64	2.68	2.30
130	2.93	2.97	2.93	2.96	2.94	2.99	2.96	3.00	2.99	3.04	3.02	3.07	3.06	3.11	3.08	3.13	3.09	3.15	2.74
135	3.39	3.41	3.39	3.44	3.39	3.44	3.43	3.47	3.46	3.52	3.51	3.55	3.53	3.57	3.55	3.60	3.57	3.62	3.19
140	3.86	3.89	3.84	3.90	3.86	3.91	3.88	3.93	3.91	3.98	3.96	4.00	3.99	4.04	4.02	4.07	4.04	4.09	3.64
145	4.30	4.33	4.29	4.33	4.32	4.36	4.32	4.37	4.35	4.41	4.40	4.44	4.43	4.49	4.46	4.50	4.47	4.53	4.10
150	4.70	4.75	4.69	4.74	4.71	4.77	4.73	4.78	4.78	4.84	4.83	4.87	4.85	4.90	4.86	4.90	4.87	4.92	4.53
155	5.07	5.12	5.06	5.12	5.07	5.14	5.11	5.19	5.17	5.24	5.21	5.26	5.20	5.25	5.21	5.27	5.24	5.30	4.93
160	5.40	5.45	5.39	5.45	5.40	5.47	5.45	5.52	5.48	5.55	5.51	5.57	5.52	5.58	5.53	5.59	5.57	5.62	5.29
165	5.68	5.73	5.66	5.74	5.68	5.76	5.73	5.78	5.74	5.81	5.78	5.83	5.78	5.85	5.82	5.88	5.83	5.89	5.63
170	5.91	5.96	5.91	5.96	5.92	5.99	5.95	6.00	5.95	6.00	5.94	6.01	5.97	6.06	6.01	6.09	6.04	6.09	5.88
175	6.06	6.12	6.06	6.13	6.09	6.16	6.09	6.14	6.06	6.11	6.07	6.15	6.11	6.16	6.14	6.17	6.14	6.15	6.08
180	6.13	6.13	6.13	6.15	6.16	6.17	6.15	6.15	6.12	6.12	6.13	6.15	6.15	6.15	6.17	6.17	6.15	6.15	6.13

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:230.26V I:0.1589A P:18.449W PF:0.5043 Freq:60.00Hz Lamp Flux:1934.66x1 lm																	
NAME:									TYPE: 4000K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D114						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	945	945	945	945	945	945	945	945	945	945	945	945	946	946	946	946	946		
5	936	937	937	938	938	939	939	940	940	941	941	941	941	942	942	942	942		
10	913	915	915	917	917	919	919	920	921	922	922	924	924	925	924	925	924		
15	877	879	879	882	882	885	885	888	888	890	890	892	892	894	893	894	893		
20	829	832	832	835	835	839	839	842	842	845	845	848	848	850	849	850	848		
25	770	773	773	777	777	781	782	785	786	789	789	792	792	794	793	795	793		
30	701	705	705	709	710	714	714	719	719	723	723	727	726	729	727	729	727		
35	626	629	630	634	635	639	640	644	645	649	649	653	652	656	654	656	653		
40	545	549	549	553	554	559	559	564	564	569	569	573	572	576	574	576	573		
45	462	466	466	470	470	475	475	480	480	485	485	489	489	492	490	493	489		
50	379	383	382	386	385	390	389	394	394	400	400	405	404	407	405	408	404		
55	298	301	299	303	302	306	306	311	311	316	316	321	320	324	321	324	320		
60	219	222	221	223	222	226	225	230	230	236	235	240	239	242	240	242	239		
65	146	149	148	150	149	151	151	155	156	160	160	163	162	165	164	166	164		
70	79.1	81.3	81.0	83.3	82.9	85.3	85.5	88.4	88.5	91.3	90.9	93.3	92.5	94.9	94.0	95.9	94.6		
75	20.8	23.5	24.4	27.0	27.5	29.8	29.6	31.3	30.7	32.3	31.6	33.4	32.7	34.4	33.8	35.1	33.6		
80	0.34	0.35	0.43	0.44	0.49	0.50	0.54	0.54	0.57	0.59	0.61	0.70	0.72	0.91	0.84	1.01	0.78		
85	0.13	0.12	0.13	0.11	0.12	0.12	0.13	0.12	0.15	0.12	0.14	0.12	0.13	0.11	0.15	0.12	0.14		
90	0.12	0.18	0.12	0.17	0.11	0.16	0.12	0.16	0.13	0.16	0.13	0.15	0.11	0.15	0.12	0.16	0.12		
95	0.27	0.33	0.27	0.32	0.26	0.31	0.25	0.30	0.25	0.29	0.24	0.28	0.22	0.28	0.22	0.28	0.22		
100	0.48	0.53	0.48	0.52	0.46	0.51	0.45	0.49	0.44	0.48	0.43	0.47	0.41	0.47	0.41	0.46	0.42		
105	0.74	0.79	0.73	0.78	0.72	0.76	0.70	0.74	0.69	0.73	0.67	0.71	0.66	0.70	0.66	0.71	0.66		
110	1.07	1.10	1.05	1.08	1.03	1.07	1.00	1.05	1.00	1.03	0.97	1.01	0.96	1.01	0.95	1.00	0.96		
115	1.42	1.46	1.41	1.45	1.38	1.42	1.37	1.44	1.37	1.38	1.32	1.36	1.30	1.34	1.31	1.35	1.32		
120	1.82	1.85	1.80	1.83	1.77	1.80	1.76	1.84	1.74	1.75	1.71	1.74	1.70	1.73	1.70	1.74	1.71		
125	2.25	2.27	2.21	2.24	2.18	2.20	2.17	2.21	2.14	2.16	2.11	2.14	2.10	2.13	2.09	2.15	2.12		
130	2.68	2.70	2.64	2.67	2.62	2.65	2.59	2.61	2.56	2.58	2.54	2.57	2.52	2.56	2.52	2.57	2.54		
135	3.13	3.15	3.10	3.11	3.06	3.08	3.04	3.06	3.00	3.03	2.97	3.01	2.95	2.99	2.97	3.01	2.99		
140	3.59	3.62	3.58	3.58	3.52	3.52	3.48	3.52	3.46	3.48	3.42	3.46	3.42	3.47	3.43	3.47	3.46		
145	4.04	4.06	4.00	4.04	3.98	3.99	3.92	3.96	3.90	3.92	3.86	3.92	3.89	3.91	3.87	3.93	3.91		
150	4.47	4.49	4.43	4.47	4.43	4.45	4.38	4.41	4.34	4.36	4.32	4.36	4.33	4.36	4.31	4.35	4.34		
155	4.87	4.89	4.82	4.86	4.80	4.85	4.79	4.84	4.77	4.80	4.74	4.77	4.72	4.76	4.71	4.77	4.75		
160	5.24	5.27	5.19	5.22	5.18	5.22	5.17	5.21	5.13	5.18	5.12	5.15	5.09	5.13	5.08	5.15	5.11		
165	5.56	5.60	5.55	5.58	5.51	5.55	5.48	5.54	5.47	5.53	5.46	5.50	5.43	5.48	5.43	5.49	5.45		
170	5.82	5.87	5.82	5.86	5.78	5.80	5.74	5.78	5.73	5.79	5.73	5.78	5.72	5.76	5.70	5.77	5.73		
175	6.02	6.10	6.03	6.09	6.01	6.04	5.97	6.01	5.95	6.01	5.96	6.02	5.96	6.01	5.95	6.00	5.95		
180	6.13	6.13	6.14	6.17	6.16	6.16	6.12	6.13	6.11	6.13	6.12	6.14	6.15	6.15	6.13	6.13	6.11		

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: