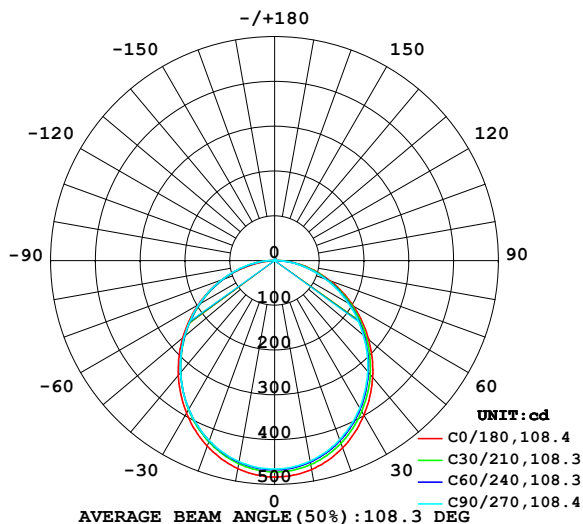


LUMINAIRE PHOTOMETRIC TEST REPORT

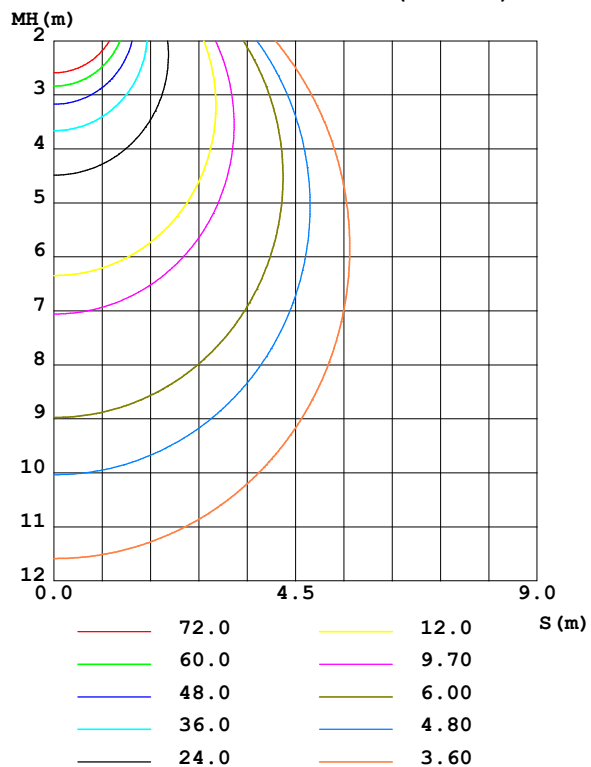
Test:U:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.03 lm/W			
MODEL		I _{max} (cd)	483.2	S/MH(C0/180)	1.22
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1307.0	η UP,DN(C0-180)	0.4,49.2
NOMINAL FLUX(lm)	1307.03	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,50.0
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down (%)	99.2	CIBSE SHR MAX	1.35

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:26 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	473.8	459.4	454.9	453.0	471.6	458.5	456.1	456.2	0- 10	44.21	44.21	3.38,3.38
20	444.8	430.5	425.4	422.8	440.7	428.9	427.7	429.1	10- 20	125.7	169.9	13,13
30	399.0	385.6	380.2	377.1	393.6	383.4	383.3	385.7	20- 30	188.1	358.0	27.4,27.4
40	340.6	328.8	323.5	320.1	334.6	326.3	327.1	330.4	30- 40	223.2	581.3	44.5,44.5
50	274.3	264.1	259.0	255.5	267.8	261.4	263.0	266.9	40- 50	228.1	809.4	61.9,61.9
60	203.6	195.1	190.5	187.3	196.8	192.4	194.7	198.8	50- 60	204.4	1014	77.6,77.6
70	132.2	125.2	121.1	118.9	125.4	122.9	125.8	130.2	60- 70	157.6	1171	89.6,89.6
80	64.27	59.14	56.01	49.92	47.00	57.35	60.36	64.32	70- 80	95.42	1267	96.9,96.9
90	6.421	1.860	3.935	0.7911	2.288	0.9887	4.925	2.426	80- 90	30.23	1297	99.2,99.2
100	0.7909	0.8144	0.8425	0.8559	0.7871	0.7244	0.6735	0.6685	90-100	0.9798	1298	99.3,99.3
110	1.189	1.202	1.224	1.227	1.174	1.089	1.021	1.019	100-110	1.002	1299	99.4,99.4
120	1.582	1.569	1.595	1.603	1.562	1.451	1.397	1.398	110-120	1.312	1300	99.5,99.5
130	1.953	1.898	1.926	1.928	1.910	1.796	1.734	1.740	120-130	1.509	1302	99.6,99.6
140	2.245	2.187	2.218	2.212	2.219	2.089	2.026	2.027	130-140	1.543	1303	99.7,99.7
150	2.481	2.431	2.454	2.451	2.487	2.350	2.279	2.288	140-150	1.420	1305	99.8,99.8
160	2.678	2.639	2.650	2.645	2.695	2.560	2.504	2.507	150-160	1.153	1306	99.9,99.9
170	2.830	2.768	2.774	2.768	2.863	2.734	2.650	2.689	160-170	0.7583	1307	100,100
180	2.875	2.816	2.779	2.790	2.897	2.816	2.774	2.782	170-180	0.2645	1307	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:26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz

Lamp Flux:1307.03x1 lm

NAME: P101002

TYPE: 4000K

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

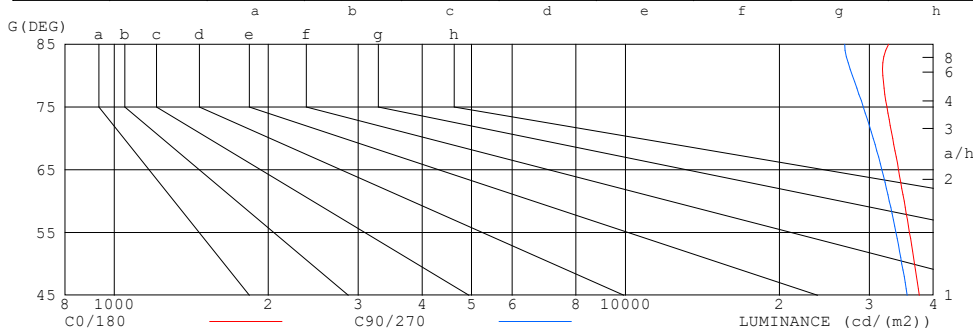
MFR.:

SUR.: D120

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



C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:26 July 2025

 γ Range: 0 - 180DEG γ Interval: 1.0DEG

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

Humidity:65.0%

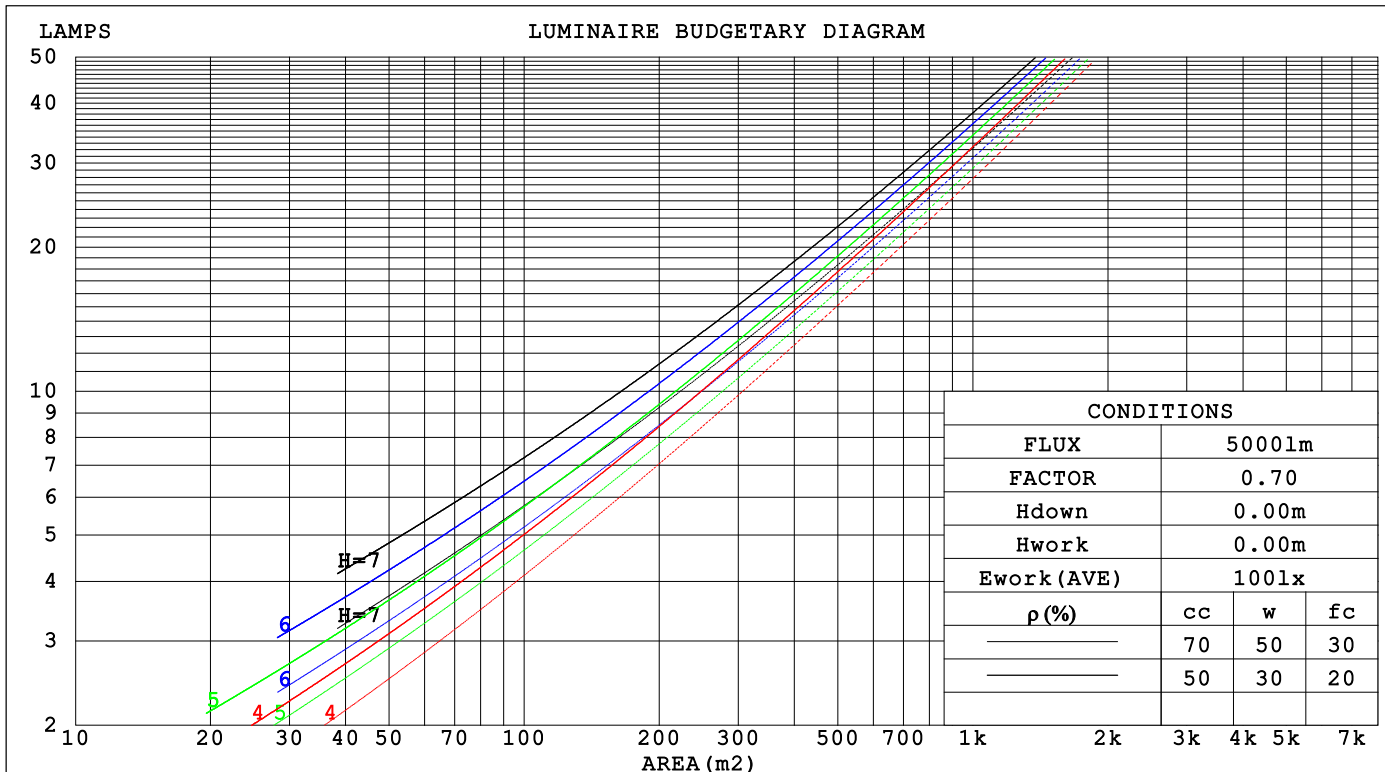
Test Distance:8.910m [K=1.0000]

Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	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	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.93	.90	.87	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm					
NAME: P101002			TYPE: 4000K		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.: D120		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	.314	.179	.057	.307	.175	.056	.293	.168	.054	.281	.162	.052	.269	.156	.050		
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040		
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.226	.121	.037	.218	.118	.036		
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.111	.033	.202	.108	.032		
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029		
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.091	.027		
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025		
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.147	.074	.021		

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	.186	.162	.140	.160	.139	.120	.109	.096	.083	.063	.055	.048	.020	.018	.016		
2.0	.178	.138	.104	.153	.119	.090	.105	.082	.062	.060	.048	.037	.019	.015	.012		
3.0	.171	.120	.080	.146	.104	.069	.100	.072	.049	.058	.042	.029	.019	.014	.009		
4.0	.163	.107	.064	.140	.092	.056	.096	.064	.039	.056	.038	.023	.018	.012	.008		
5.0	.155	.097	.053	.133	.084	.046	.092	.058	.033	.053	.034	.019	.017	.011	.006		
6.0	.148	.088	.045	.127	.076	.039	.088	.053	.028	.051	.031	.017	.016	.010	.005		
7.0	.141	.081	.039	.122	.070	.034	.084	.049	.024	.049	.029	.014	.016	.010	.005		
8.0	.135	.075	.035	.116	.065	.030	.080	.046	.021	.047	.027	.013	.015	.009	.004		
9.0	.129	.071	.031	.111	.061	.027	.077	.043	.019	.045	.025	.012	.014	.008	.004		
10.0	.123	.066	.028	.106	.058	.025	.074	.040	.018	.043	.024	.011	.014	.008	.003		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm											
NAME: P101002					TYPE: 4000K			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: D120			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		24.3	25.8	24.6	26.0	26.3	24.1	25.6	24.3	25.8	26.0
3H		25.9	27.3	26.2	27.6	27.8	25.6	27.0	25.9	27.2	27.5
4H		26.6	28.0	27.0	28.2	28.5	26.2	27.6	26.6	27.8	28.1
6H		27.2	28.5	27.6	28.8	29.1	26.7	28.0	27.1	28.3	28.6
8H		27.4	28.6	27.8	28.9	29.3	26.9	28.1	27.3	28.4	28.7
12H		27.6	28.8	28.0	29.1	29.4	27.0	28.2	27.4	28.5	28.8
4H 2H		24.9	26.2	25.2	26.5	26.8	24.7	26.0	25.0	26.3	26.6
3H		26.7	27.9	27.1	28.2	28.5	26.4	27.6	26.8	27.9	28.2
4H		27.6	28.6	27.9	29.0	29.3	27.2	28.3	27.6	28.6	29.0
6H		28.3	29.2	28.7	29.6	30.0	27.8	28.8	28.3	29.2	29.5
8H		28.6	29.4	29.0	29.8	30.2	28.1	29.0	28.5	29.4	29.8
12H		28.8	29.6	29.2	30.0	30.4	28.3	29.1	28.7	29.5	29.9
8H 4H		27.8	28.7	28.3	29.1	29.5	27.5	28.4	28.0	28.8	29.2
6H		28.7	29.5	29.2	29.9	30.3	28.3	29.1	28.8	29.5	29.9
8H		29.1	29.8	29.6	30.2	30.7	28.7	29.3	29.2	29.8	30.2
12H		29.5	30.0	30.0	30.5	31.0	29.0	29.5	29.5	30.0	30.5
12H 4H		27.8	28.7	28.3	29.1	29.5	27.6	28.4	28.0	28.8	29.2
6H		28.8	29.4	29.3	29.9	30.4	28.4	29.1	28.9	29.5	30.0
8H		29.2	29.8	29.7	30.3	30.8	28.8	29.4	29.3	29.8	30.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.2					+ 0.1 / - 0.3				

CIE Pub.117, 1307 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.9)
Area: 0.011604 m2

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	Shielding Angle:

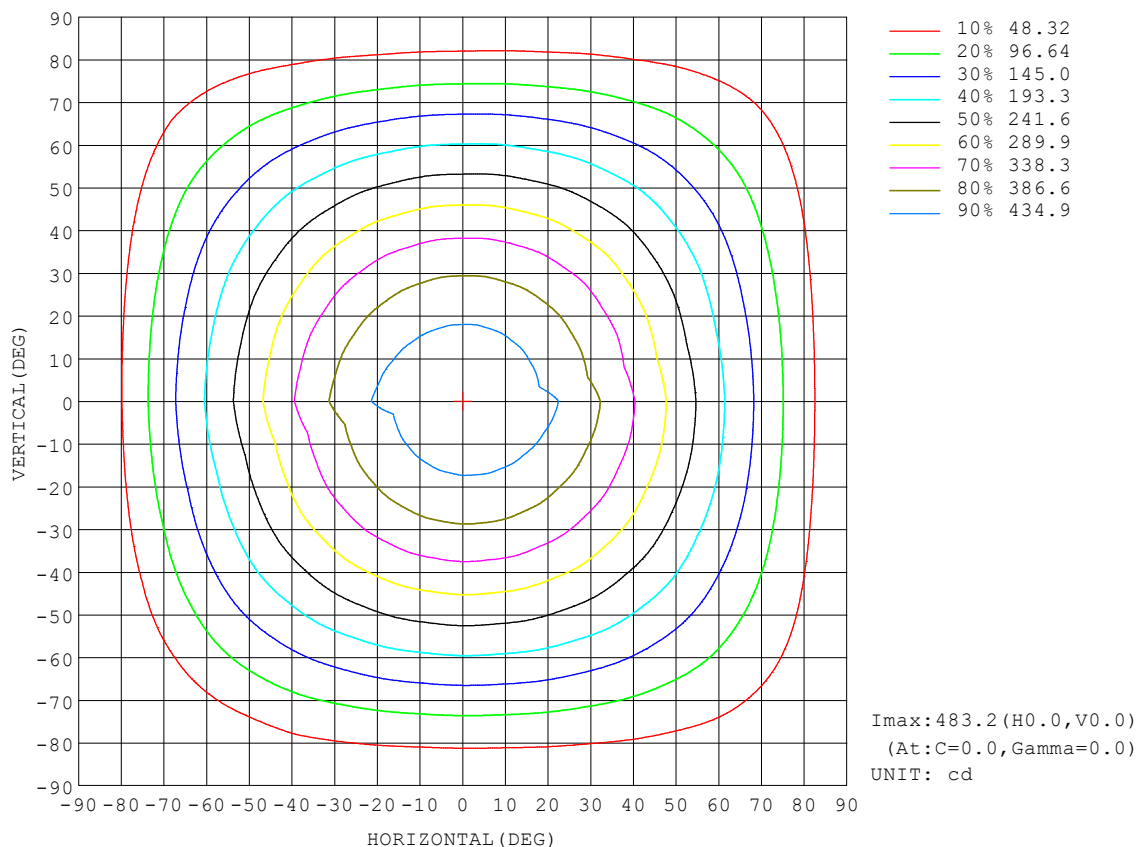
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	56	45	39	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	98	91	84	96	89	84	92	86	82	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
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: 26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	Shielding Angle:

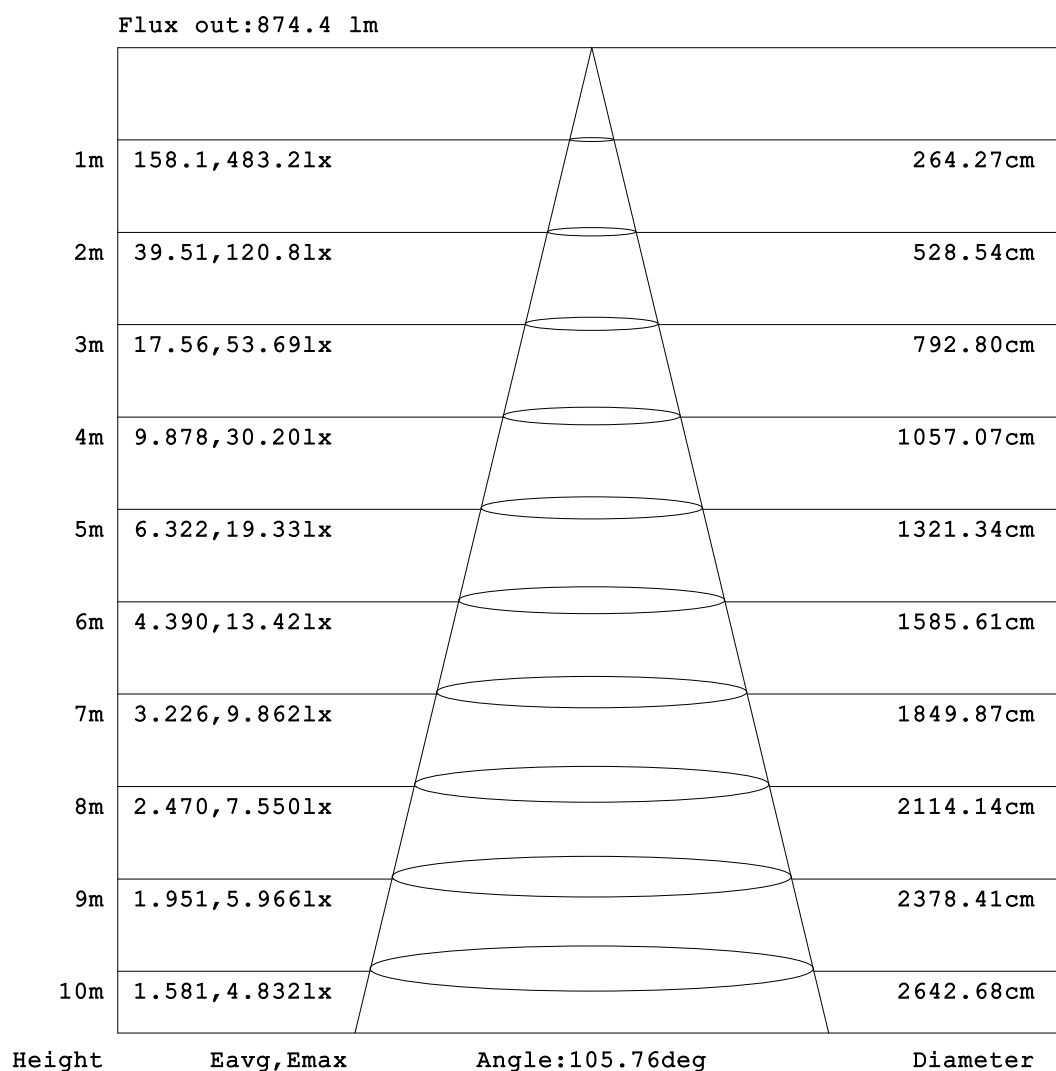


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:26 July 2025

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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	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:26 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

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

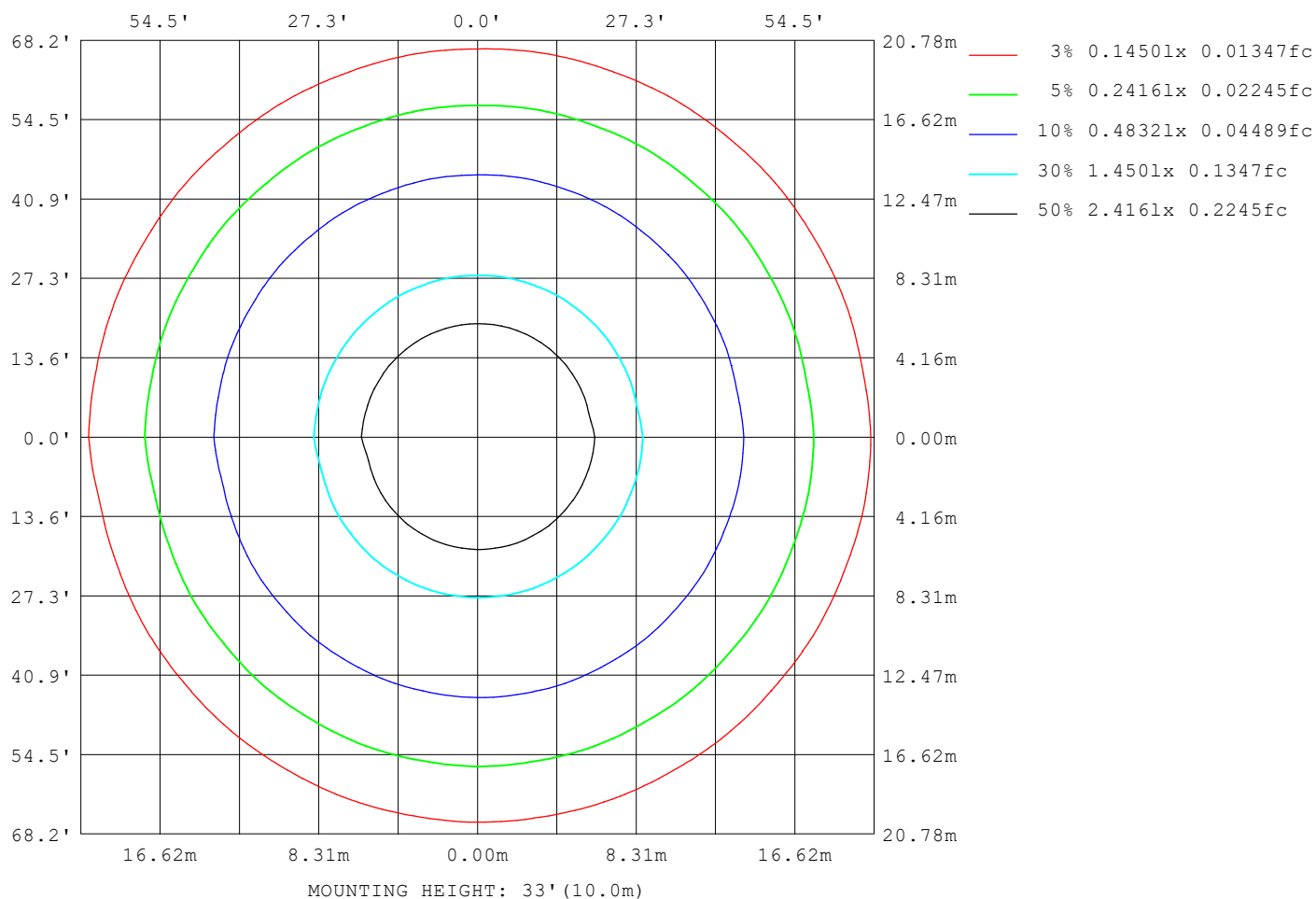
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

Test:U:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:CAM
Test Date:26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	Shielding Angle:

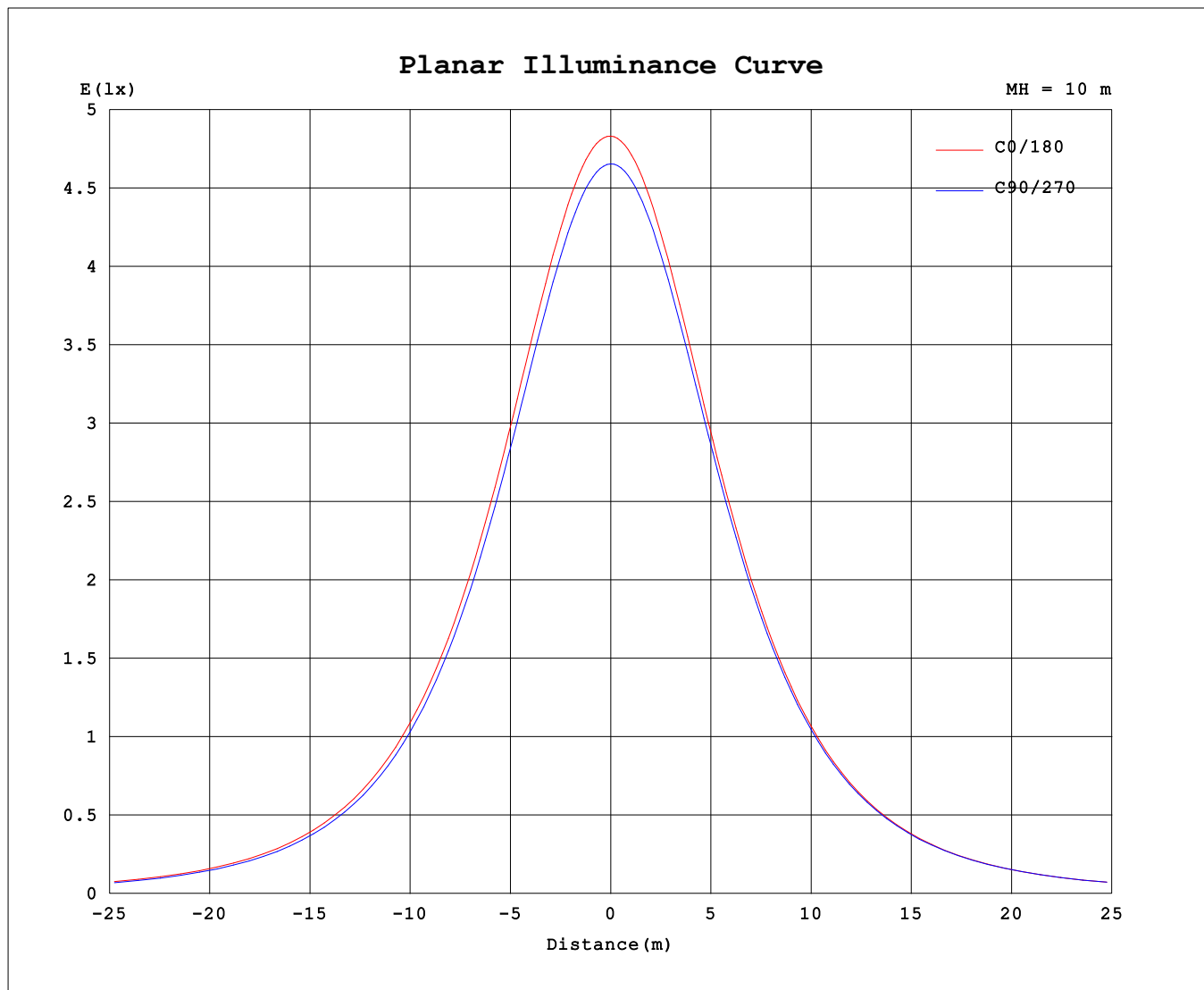
AvgL	cd/m2
L_0~180 (65) av	33512
L_0~180 (75) av	30571
L_0~180 (85) av	25108
L_90~270 (65) av	32206
L_90~270 (75) av	29943
L_90~270 (85) av	28605
L_45 (65) av	32378
L_45 (75) av	30109
L_45 (85) av	24575

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:26 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: 26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm		
NAME: P101002	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D120	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	483	478	475	472	470	468	467	466	466	465	465	465	465	465	464	464	464	464	483
5	481	476	472	470	467	466	465	464	463	463	462	462	461	461	461	461	461	461	480
10	474	469	465	463	460	459	457	456	455	455	454	454	453	453	453	453	453	453	472
15	462	457	453	451	448	447	445	444	443	442	441	441	440	440	440	440	439	440	459
20	445	441	436	434	431	430	428	427	426	425	424	424	423	423	422	423	422	423	441
25	424	420	416	413	410	409	407	406	405	404	403	403	402	402	401	402	401	401	419
30	399	396	391	389	386	385	383	382	380	380	379	379	377	378	377	377	376	377	394
35	371	368	364	362	359	358	355	355	353	353	351	352	350	350	349	350	349	350	365
40	341	338	334	332	329	329	326	326	323	324	322	322	320	321	319	320	319	320	335
45	308	306	302	301	297	297	294	294	292	292	290	290	289	289	288	289	287	289	302
50	274	272	268	267	264	264	261	261	259	259	257	257	256	256	255	256	254	256	268
55	239	238	234	233	230	230	227	227	225	225	223	223	222	222	221	222	221	222	233
60	204	202	199	198	195	195	193	192	190	190	189	189	187	188	186	188	186	187	197
65	168	167	164	163	160	160	158	157	156	156	154	154	153	154	153	153	152	153	161
70	132	131	129	128	125	125	123	123	121	121	120	120	119	119	118	118	117	118	125
75	97.5	96.6	94.3	93.5	91.5	91.0	89.4	89.0	87.7	87.7	86.6	86.8	86.0	86.0	83.1	81.2	78.6	79.4	86.1
80	64.3	63.7	61.7	61.1	59.4	58.9	57.4	57.2	56.0	56.0	55.1	55.2	54.3	52.9	46.9	43.4	40.5	41.2	47.0
85	33.1	33.1	31.7	31.3	26.9	26.4	28.3	28.1	27.1	27.1	25.9	25.8	24.9	21.3	15.4	12.7	8.78	11.6	17.7
90	6.42	6.64	5.90	5.65	2.48	1.24	3.66	4.61	4.02	3.93	3.39	3.32	2.61	0.99	0.59	0.95	0.64	1.36	2.29
95	0.66	0.68	0.67	0.66	0.65	0.69	0.67	0.69	0.67	0.68	0.65	0.68	0.66	0.70	0.68	0.71	0.68	0.71	0.62
100	0.79	0.83	0.81	0.83	0.80	0.83	0.80	0.84	0.81	0.84	0.82	0.85	0.83	0.87	0.84	0.88	0.84	0.88	0.79
105	0.98	1.02	0.99	1.03	0.99	1.01	0.98	1.01	0.99	1.02	1.00	1.04	1.00	1.05	1.02	1.06	1.03	1.06	0.97
110	1.19	1.22	1.17	1.22	1.18	1.22	1.17	1.20	1.18	1.22	1.18	1.23	1.21	1.24	1.21	1.25	1.22	1.25	1.17
115	1.39	1.42	1.36	1.40	1.37	1.41	1.37	1.41	1.37	1.41	1.38	1.42	1.39	1.43	1.40	1.44	1.40	1.45	1.38
120	1.58	1.61	1.55	1.58	1.55	1.59	1.55	1.59	1.56	1.59	1.56	1.61	1.58	1.62	1.59	1.62	1.59	1.65	1.56
125	1.77	1.80	1.73	1.77	1.72	1.76	1.72	1.76	1.73	1.77	1.73	1.78	1.75	1.79	1.75	1.80	1.76	1.82	1.75
130	1.95	1.97	1.90	1.93	1.87	1.92	1.87	1.91	1.88	1.93	1.88	1.93	1.89	1.95	1.91	1.95	1.93	1.98	1.91
135	2.09	2.12	2.05	2.09	2.02	2.07	2.02	2.07	2.03	2.07	2.04	2.08	2.04	2.09	2.05	2.12	2.07	2.12	2.08
140	2.25	2.26	2.19	2.23	2.17	2.21	2.15	2.20	2.16	2.22	2.17	2.22	2.18	2.23	2.20	2.25	2.20	2.25	2.22
145	2.37	2.40	2.32	2.35	2.29	2.34	2.27	2.31	2.27	2.33	2.30	2.35	2.30	2.35	2.31	2.36	2.31	2.38	2.37
150	2.48	2.51	2.43	2.46	2.40	2.46	2.40	2.46	2.40	2.45	2.41	2.47	2.42	2.48	2.43	2.47	2.43	2.48	2.49
155	2.59	2.61	2.53	2.57	2.50	2.55	2.52	2.58	2.53	2.57	2.52	2.57	2.51	2.57	2.52	2.57	2.53	2.58	2.59
160	2.68	2.73	2.66	2.69	2.63	2.65	2.61	2.66	2.62	2.65	2.60	2.67	2.62	2.67	2.62	2.66	2.62	2.67	2.70
165	2.77	2.83	2.73	2.77	2.70	2.73	2.67	2.73	2.68	2.73	2.68	2.76	2.69	2.74	2.70	2.76	2.70	2.75	2.80
170	2.83	2.86	2.77	2.81	2.74	2.80	2.73	2.78	2.73	2.77	2.72	2.77	2.75	2.79	2.75	2.79	2.76	2.78	2.86
175	2.86	2.87	2.81	2.83	2.79	2.82	2.77	2.80	2.77	2.78	2.76	2.78	2.76	2.79	2.78	2.79	2.78	2.78	2.90
180	2.87	2.87	2.83	2.83	2.81	2.82	2.80	2.80	2.78	2.78	2.78	2.78	2.78	2.79	2.79	2.79	2.78	2.78	2.90

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:26 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:230.82V I:0.0987A P:12.098W PF:0.5311 Freq:50.00Hz Lamp Flux:1307.03x1 lm																	
NAME: P101002									TYPE: 4000K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D120						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	478	475	472	470	468	467	466	466	465	465	465	465	465	464	464	464	464		
5	475	472	469	467	466	465	464	464	463	463	463	463	463	463	463	463	463		
10	467	464	461	459	458	457	456	456	456	456	456	456	456	456	456	456	456		
15	453	451	448	447	445	445	444	444	444	445	444	445	445	445	445	445	445		
20	436	433	431	430	428	428	427	428	428	428	428	429	429	430	429	429	429		
25	414	412	409	409	407	407	407	408	407	408	408	409	409	410	409	410	409		
30	389	387	384	384	383	383	383	384	383	385	384	386	385	386	386	386	385		
35	361	359	357	357	355	356	355	357	356	358	358	359	359	360	359	360	359		
40	330	329	327	327	326	327	326	328	327	329	328	330	330	331	330	332	330		
45	298	297	295	295	294	295	295	296	296	298	297	299	299	300	299	300	299		
50	264	264	261	262	261	262	262	263	263	265	265	267	266	268	267	268	266		
55	229	229	227	228	227	228	228	230	229	231	231	233	232	234	233	234	233		
60	194	194	192	193	192	193	193	195	195	197	197	199	198	200	199	200	198		
65	159	158	157	158	157	158	158	160	160	162	162	164	164	165	164	165	164		
70	124	123	122	123	123	124	124	125	126	127	128	129	130	131	130	131	130		
75	87.6	89.5	88.6	89.3	89.0	90.1	90.3	91.9	92.2	93.8	94.3	95.9	96.0	97.2	96.6	97.4	96.4		
80	51.4	56.2	56.8	57.4	57.3	58.4	58.5	59.9	60.4	62.0	62.3	63.7	63.8	64.9	64.4	65.1	64.3		
85	22.9	27.1	27.4	25.5	24.9	28.9	29.3	30.5	30.7	31.7	31.8	32.8	29.9	30.9	33.5	34.6	34.0		
90	2.60	2.03	1.04	1.06	0.92	2.68	3.75	4.77	4.93	5.23	4.79	4.46	1.85	3.00	5.67	7.13	7.28		
95	0.59	0.61	0.57	0.59	0.56	0.58	0.56	0.56	0.56	0.55	0.56	0.54	0.53	0.53	0.54	0.54	0.56		
100	0.75	0.77	0.73	0.75	0.70	0.71	0.69	0.70	0.67	0.70	0.67	0.69	0.66	0.68	0.66	0.68	0.65		
105	0.93	0.95	0.90	0.92	0.88	0.89	0.86	0.89	0.85	0.87	0.83	0.87	0.83	0.86	0.82	0.85	0.83		
110	1.11	1.14	1.08	1.11	1.07	1.08	1.04	1.07	1.02	1.05	1.01	1.04	1.00	1.03	1.00	1.04	1.00		
115	1.31	1.33	1.27	1.30	1.25	1.26	1.22	1.25	1.21	1.24	1.20	1.24	1.19	1.22	1.18	1.23	1.20		
120	1.49	1.51	1.45	1.48	1.43	1.45	1.40	1.43	1.40	1.43	1.39	1.42	1.38	1.42	1.37	1.42	1.38		
125	1.67	1.70	1.63	1.66	1.60	1.62	1.58	1.61	1.57	1.61	1.57	1.60	1.57	1.60	1.56	1.60	1.56		
130	1.84	1.85	1.79	1.82	1.77	1.80	1.75	1.79	1.73	1.78	1.73	1.77	1.73	1.75	1.71	1.77	1.73		
135	2.00	2.01	1.95	1.98	1.92	1.95	1.89	1.93	1.89	1.93	1.87	1.92	1.86	1.90	1.85	1.90	1.86		
140	2.14	2.16	2.09	2.13	2.05	2.09	2.03	2.08	2.03	2.07	2.02	2.05	2.00	2.05	2.02	2.05	2.02		
145	2.27	2.30	2.22	2.26	2.19	2.22	2.16	2.20	2.15	2.19	2.13	2.19	2.14	2.20	2.14	2.18	2.16		
150	2.39	2.42	2.34	2.38	2.32	2.35	2.30	2.34	2.28	2.31	2.27	2.32	2.27	2.31	2.26	2.31	2.27		
155	2.50	2.53	2.45	2.49	2.43	2.48	2.43	2.47	2.41	2.45	2.39	2.43	2.37	2.42	2.37	2.42	2.38		
160	2.63	2.67	2.57	2.59	2.53	2.58	2.52	2.56	2.50	2.55	2.50	2.54	2.49	2.53	2.46	2.52	2.48		
165	2.73	2.77	2.69	2.70	2.62	2.66	2.61	2.64	2.60	2.64	2.60	2.64	2.58	2.62	2.57	2.62	2.58		
170	2.77	2.82	2.73	2.77	2.70	2.73	2.67	2.71	2.65	2.70	2.69	2.71	2.68	2.70	2.64	2.70	2.65		
175	2.82	2.86	2.79	2.82	2.75	2.80	2.73	2.78	2.72	2.76	2.71	2.77	2.72	2.77	2.70	2.76	2.71		
180	2.86	2.86	2.82	2.82	2.81	2.81	2.78	2.78	2.77	2.78	2.77	2.78	2.78	2.78	2.77	2.77	2.76		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:26 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: