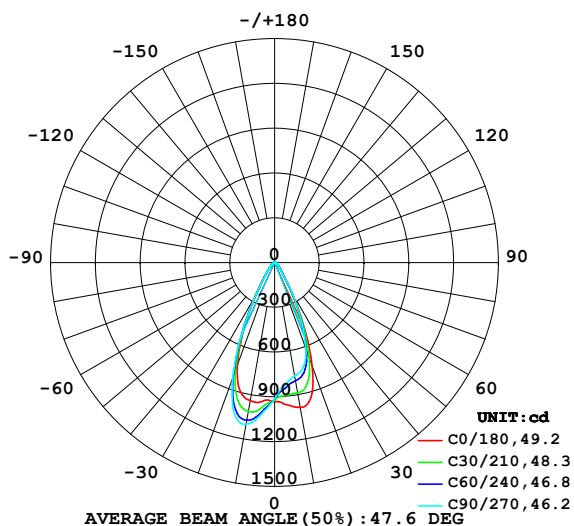


LUMINAIRE PHOTOMETRIC TEST REPORT

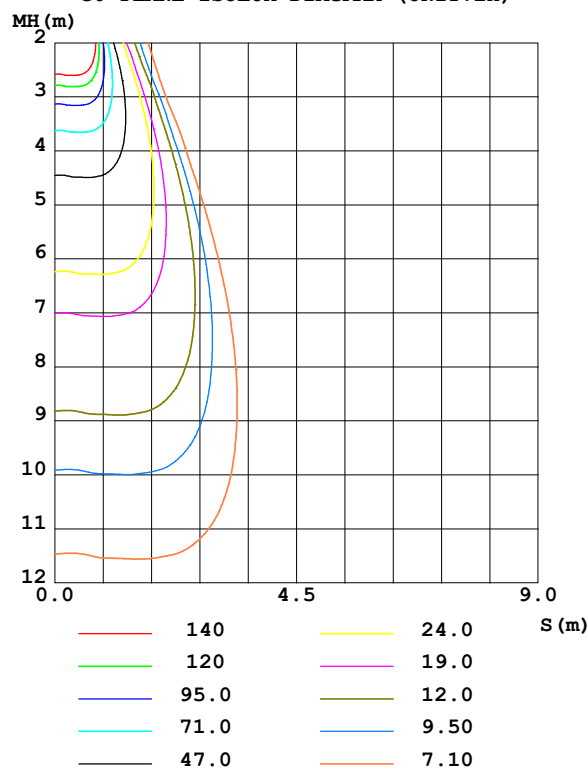
Test:U:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 74.58 lm/W
MODEL	TYSA023	I _{max} (cd)	1104	S/MH(C0/180)	0.76	
NOMINAL POWER(W)	9W	LOR(%)	100.0	S/MH(C90/270)	0.76	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	700.60	η UP,DN(C0-180)	0.4,45.4	
NOMINAL FLUX(lm)	700.603	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,53.8	
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η down (%)	99.3	CIBSE SHR MAX	0.70	

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	985.0	840.7	771.6	807.7	938.8	1046	1100	1068	0- 10	89.03	89.03	12.7,12.7
20	736.0	648.0	614.7	639.1	731.2	790.4	821.5	808.8	10- 20	244.5	333.5	47.6,47.6
30	227.3	215.9	225.1	228.7	257.8	261.6	260.4	249.7	20- 30	211.7	545.2	77.8,77.8
40	70.77	65.08	62.51	64.37	71.99	75.86	77.13	76.23	30- 40	79.00	624.2	89.1,89.1
50	31.66	30.97	30.50	30.67	32.68	32.73	32.60	32.36	40- 50	36.52	660.8	94.3,94.3
60	15.57	15.74	15.72	15.96	17.03	16.68	16.04	15.69	50- 60	20.92	681.7	97.3,97.3
70	4.472	4.469	4.531	4.548	4.805	4.631	4.491	4.444	60- 70	9.342	691.0	98.6,98.6
80	2.016	2.014	2.056	2.085	2.179	2.100	2.043	2.021	70- 80	3.437	694.5	99.1,99.1
90	0.0001	0	0	0.0001	0	0	0.0004	0	80- 90	0.9835	695.4	99.3,99.3
100	0	0.0113	0.0170	0.0112	0.0001	0	0	0.0028	90-100	0.0019	695.4	99.3,99.3
110	0.0503	0.0730	0.1011	0.0702	0.0619	0.0281	0	0.0281	100-110	0.0239	695.5	99.3,99.3
120	0.2412	0.2726	0.2982	0.2641	0.1856	0.1434	0.1175	0.1515	110-120	0.1103	695.6	99.3,99.3
130	0.7801	0.8406	0.8891	0.8374	0.5914	0.5254	0.4937	0.5420	120-130	0.3654	695.9	99.3,99.3
140	1.656	1.772	1.843	1.788	1.382	1.229	1.177	1.246	130-140	0.8262	696.8	99.5,99.5
150	2.604	2.723	2.820	2.755	2.304	2.120	2.037	2.111	140-150	1.228	698.0	99.6,99.6
160	3.363	3.363	3.425	3.386	3.083	2.956	2.885	2.914	150-160	1.298	699.3	99.8,99.8
170	3.717	3.655	3.638	3.672	3.571	3.529	3.475	3.509	160-170	0.9562	700.3	99.9,99.9
180	3.818	3.838	3.790	3.815	3.829	3.835	3.790	3.818	170-180	0.3523	700.6	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

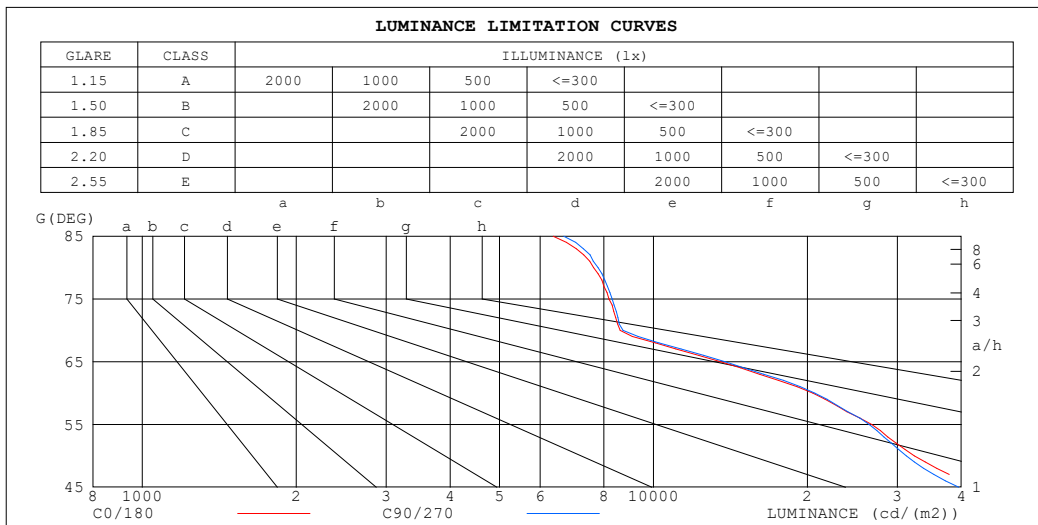
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



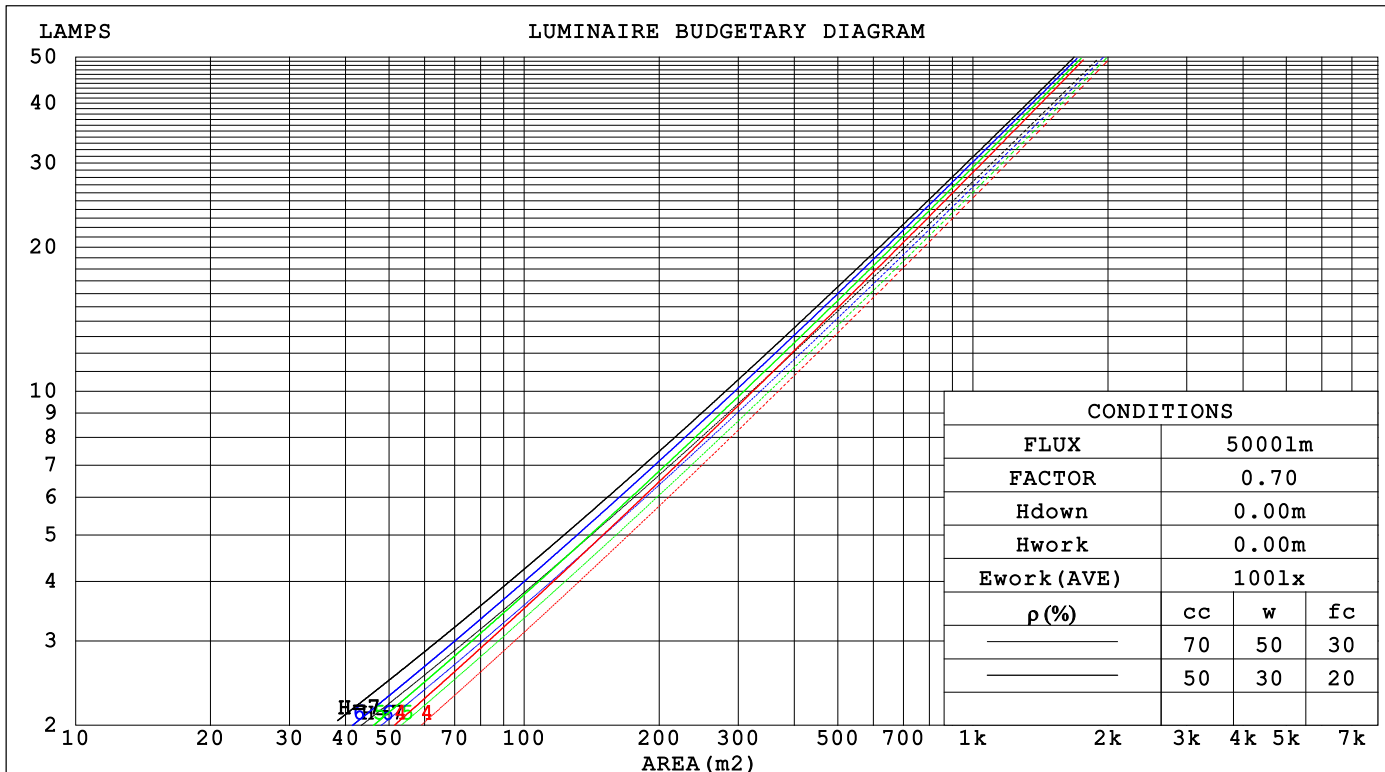
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CAM
Test Date: 30 July 2025

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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	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															



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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm					
NAME: P102024			TYPE: 4000K		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	.178	.101	.032	.171	.098	.031	.158	.091	.029	.146	.084	.027	.135	.078	.025		
2.0	.169	.093	.028	.164	.090	.028	.153	.085	.026	.143	.080	.025	.133	.075	.024		
3.0	.160	.085	.026	.155	.083	.025	.146	.079	.024	.137	.075	.023	.129	.072	.022		
4.0	.152	.079	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.125	.068	.021		
5.0	.144	.073	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	.120	.064	.019		
6.0	.137	.069	.020	.133	.067	.019	.127	.065	.019	.121	.063	.019	.116	.061	.018		
7.0	.130	.064	.018	.127	.063	.018	.122	.062	.018	.117	.060	.017	.112	.058	.017		
8.0	.124	.061	.017	.122	.060	.017	.117	.058	.017	.112	.057	.016	.108	.055	.016		
9.0	.119	.057	.016	.116	.057	.016	.112	.055	.016	.108	.054	.015	.104	.053	.015		
10.0	.114	.055	.015	.112	.054	.015	.108	.053	.015	.104	.052	.015	.100	.050	.014		

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	.177	.163	.150	.151	.140	.129	.104	.096	.090	.060	.056	.052	.019	.018	.017		
2.0	.162	.138	.119	.138	.119	.102	.095	.082	.071	.055	.048	.042	.018	.015	.014		
3.0	.149	.119	.096	.128	.103	.083	.088	.071	.058	.051	.042	.034	.016	.014	.011		
4.0	.139	.105	.079	.119	.090	.068	.082	.063	.048	.047	.037	.028	.015	.012	.009		
5.0	.130	.093	.066	.111	.080	.057	.077	.056	.040	.044	.033	.024	.014	.011	.008		
6.0	.122	.084	.056	.105	.072	.049	.072	.051	.035	.042	.030	.021	.014	.010	.007		
7.0	.115	.076	.048	.099	.066	.042	.069	.046	.030	.040	.027	.018	.013	.009	.006		
8.0	.109	.070	.042	.094	.060	.037	.065	.042	.026	.038	.025	.016	.012	.008	.005		
9.0	.104	.064	.038	.090	.056	.033	.062	.039	.023	.036	.023	.014	.012	.008	.005		
10.0	.100	.060	.034	.086	.052	.029	.060	.037	.021	.035	.022	.012	.011	.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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm										
NAME: P102024					TYPE: 4000K			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	21.1	22.0	21.3	22.2	22.4	20.9	21.8	21.1	22.0	22.2
3H	21.2	22.0	21.5	22.2	22.5	21.0	21.9	21.3	22.1	22.3
4H	21.2	22.0	21.5	22.2	22.5	21.1	21.9	21.3	22.1	22.3
6H	21.2	22.0	21.5	22.2	22.5	21.1	21.8	21.4	22.1	22.3
8H	21.2	21.9	21.5	22.2	22.5	21.1	21.8	21.4	22.1	22.3
12H	21.2	21.9	21.5	22.2	22.5	21.1	21.8	21.4	22.0	22.3
4H 2H	21.1	21.9	21.4	22.2	22.4	21.0	21.8	21.3	22.0	22.2
3H	21.3	22.0	21.6	22.3	22.5	21.1	21.8	21.5	22.1	22.4
4H	21.3	22.0	21.7	22.3	22.6	21.2	21.8	21.6	22.2	22.5
6H	21.4	22.0	21.8	22.3	22.7	21.3	21.8	21.7	22.2	22.5
8H	21.4	21.9	21.8	22.3	22.7	21.3	21.8	21.7	22.2	22.6
12H	21.4	21.9	21.8	22.3	22.7	21.3	21.8	21.7	22.2	22.6
8H 4H	21.3	21.8	21.7	22.2	22.5	21.2	21.7	21.6	22.0	22.4
6H	21.4	21.8	21.8	22.2	22.7	21.3	21.7	21.7	22.1	22.5
8H	21.4	21.8	21.9	22.2	22.7	21.3	21.7	21.8	22.1	22.6
12H	21.5	21.8	21.9	22.2	22.7	21.4	21.7	21.8	22.1	22.6
12H 4H	21.2	21.7	21.7	22.1	22.5	21.1	21.6	21.5	22.0	22.4
6H	21.4	21.7	21.8	22.2	22.6	21.3	21.6	21.7	22.1	22.5
8H	21.4	21.8	21.9	22.2	22.7	21.3	21.6	21.8	22.1	22.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.2 / - 1.6					+ 1.0 / - 1.4				
1.5H	+ 1.8 / - 0.9					+ 1.5 / - 0.7				
2.0H	+ 1.9 / - 1.9					+ 1.5 / - 1.8				

CIE Pub.117, 700.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.2)
Area: 0.00151976 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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

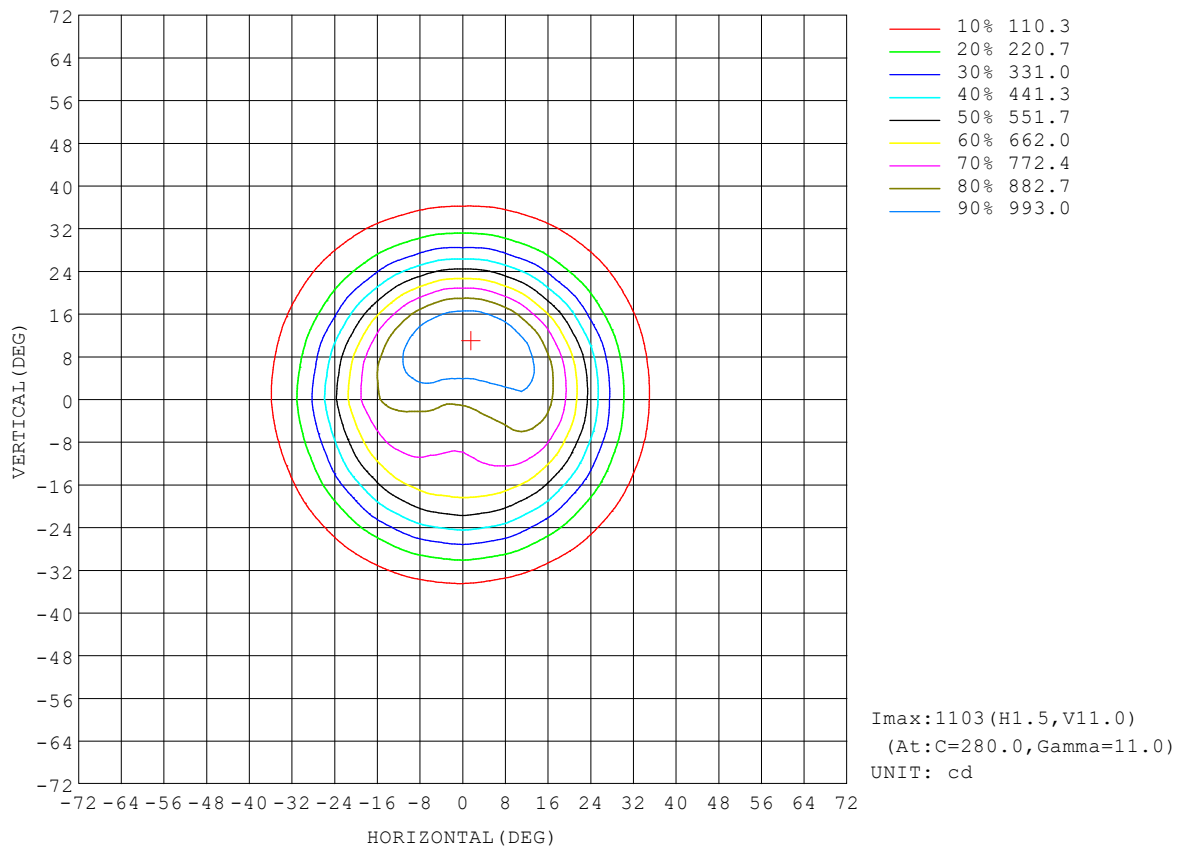
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	81	78
1.00	97	91	87	96	91	87	95	91	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

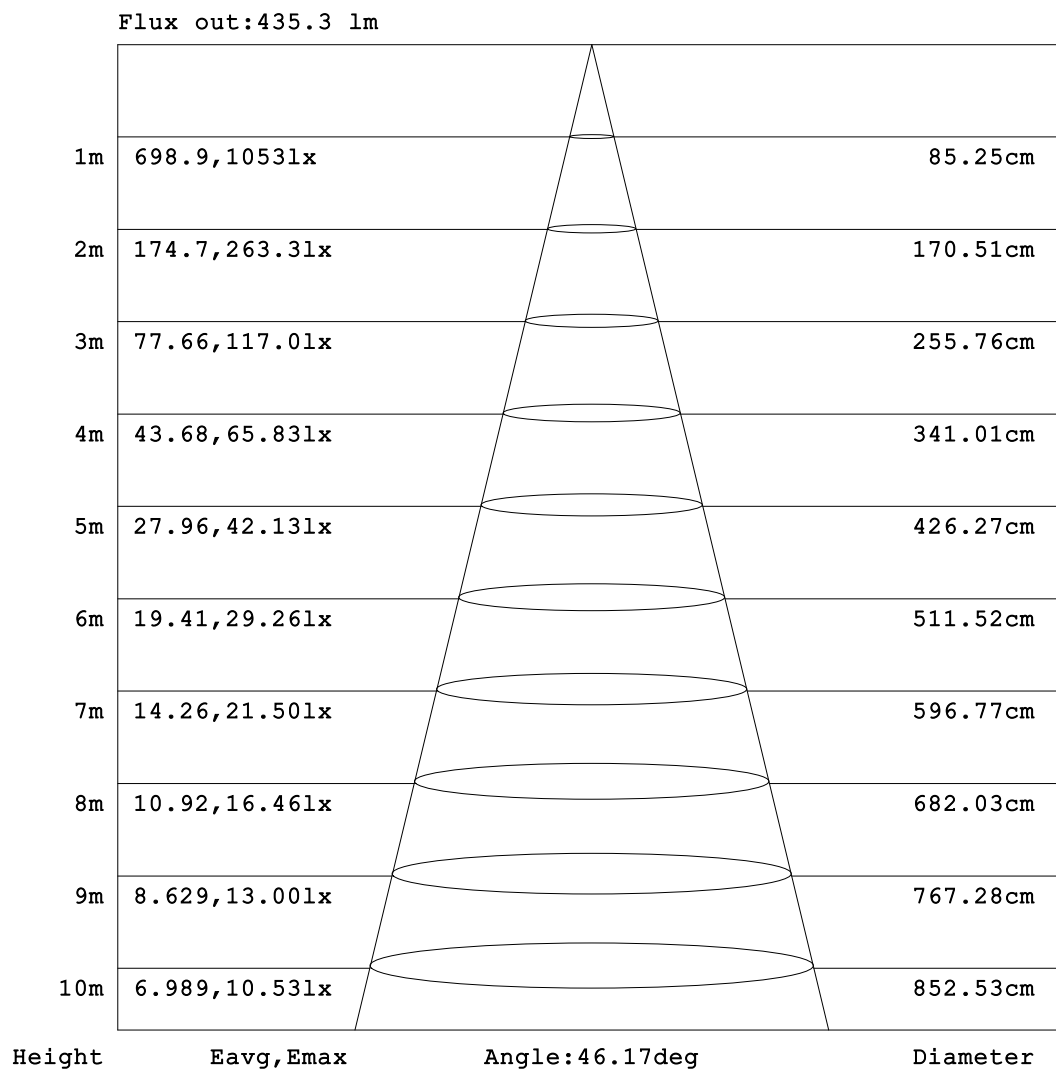


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:30 July 2025

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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



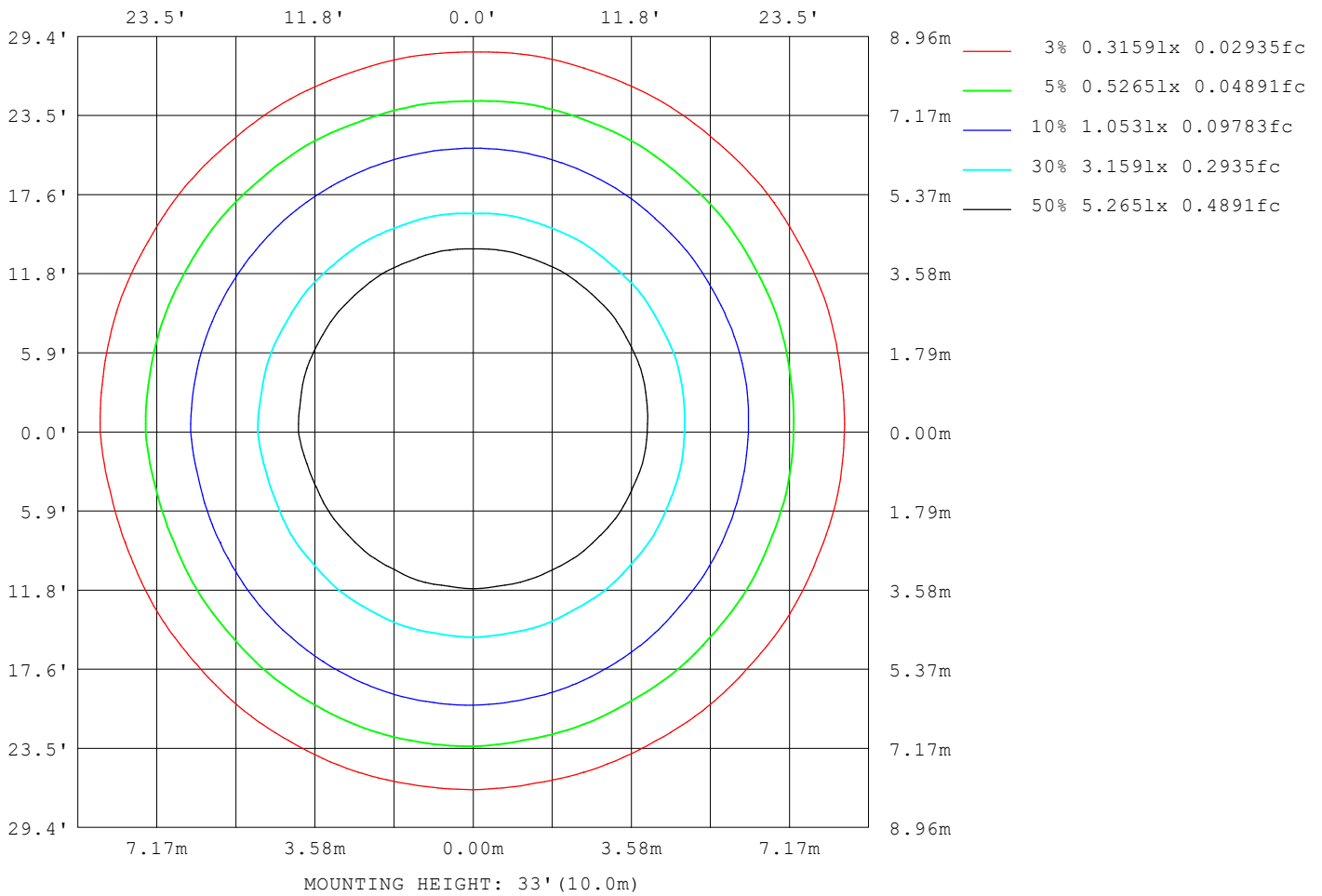
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:CAM
 Test Date: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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	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: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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

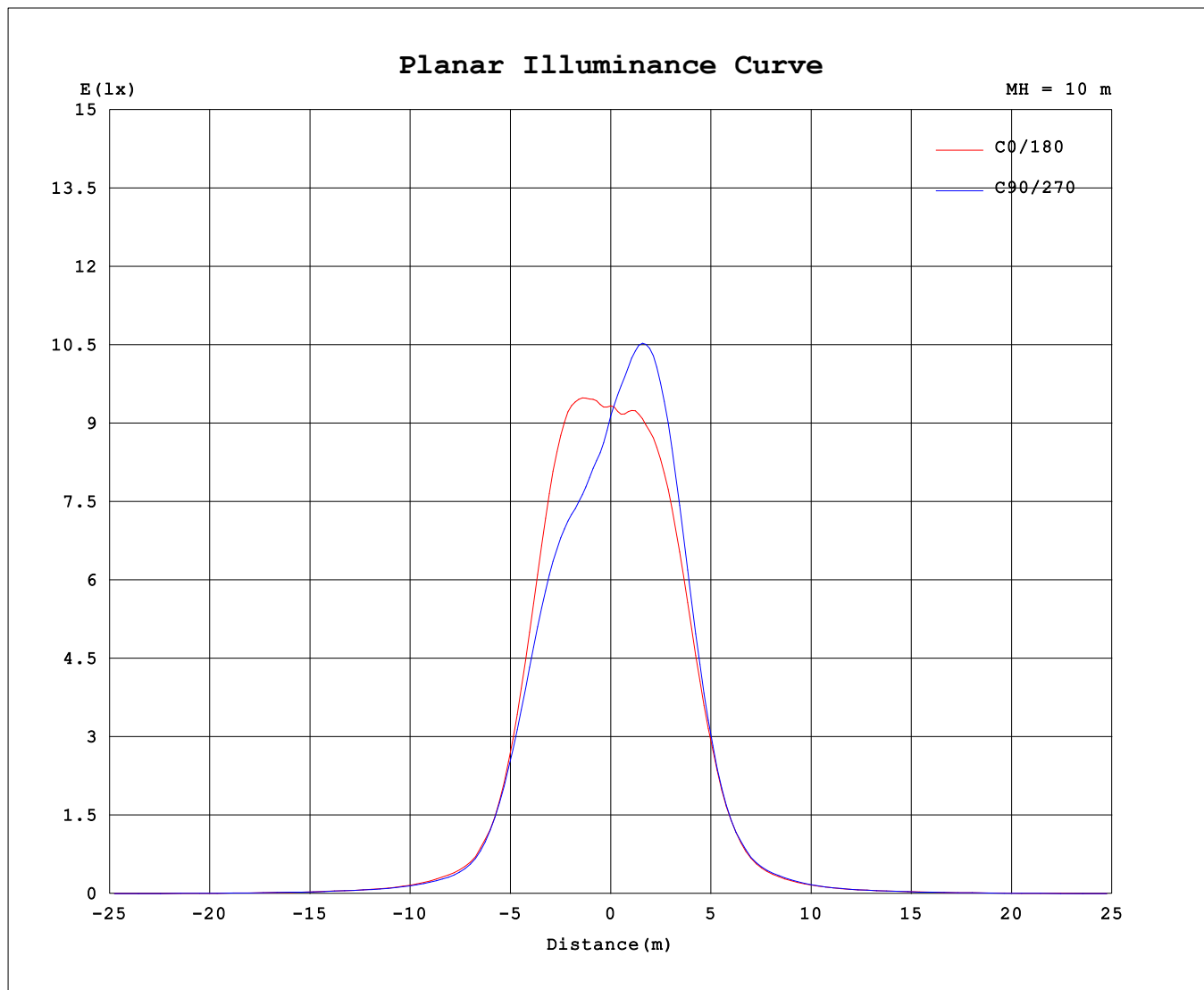
AvgL	cd/m2
L_0~180 (65) av	14429
L_0~180 (75) av	8417
L_0~180 (85) av	6799
L_90~270 (65) av	14018
L_90~270 (75) av	8241
L_90~270 (85) av	6805
L_45 (65) av	14156
L_45 (75) av	8237
L_45 (85) av	6143

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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm		
NAME: P102024	TYPE: 4000K	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	933	929	924	923	918	919	915	916	912	915	911	914	911	914	912	914	913	914	933
5	957	935	913	894	874	858	843	834	826	823	821	827	833	842	853	866	881	897	933
10	985	953	919	886	854	827	805	787	777	772	770	776	784	798	817	840	863	891	939
15	939	911	873	842	810	787	762	746	734	732	729	737	744	760	773	796	818	846	893
20	736	720	692	677	654	642	625	620	611	615	612	624	624	636	642	658	669	692	731
25	461	455	439	437	425	426	416	421	415	421	417	426	424	433	431	443	443	456	484
30	227	226	219	220	213	218	216	222	218	225	222	229	225	230	227	234	231	242	258
35	110	109	105	104	101	101	99.1	100	99.7	103	103	105	104	106	106	108	110	115	124
40	70.8	69.9	67.8	67.1	65.4	64.8	63.5	63.0	62.1	62.5	62.5	63.3	63.4	64.3	64.4	65.8	66.3	68.1	72.0
45	46.4	46.2	45.1	44.9	44.0	43.9	43.1	42.9	42.3	42.5	42.2	42.6	42.4	42.9	42.9	43.7	43.8	44.6	47.0
50	31.7	31.6	31.2	31.2	30.9	31.0	30.7	30.7	30.4	30.5	30.3	30.5	30.4	30.7	30.7	31.0	30.9	31.2	32.7
55	23.3	23.4	23.2	23.3	23.1	23.2	23.0	23.1	22.9	23.0	23.0	23.1	23.0	23.3	23.2	23.5	23.4	23.6	24.6
60	15.6	15.7	15.6	15.8	15.7	15.8	15.7	15.7	15.6	15.7	15.6	15.8	15.8	16.0	15.9	16.2	16.1	16.3	17.0
65	8.70	8.76	8.66	8.78	8.73	8.82	8.75	8.82	8.73	8.87	8.78	8.95	8.90	9.06	9.03	9.22	9.17	9.29	9.84
70	4.47	4.50	4.46	4.48	4.45	4.49	4.46	4.51	4.49	4.53	4.52	4.56	4.53	4.57	4.53	4.59	4.52	4.57	4.80
75	3.22	3.22	3.21	3.21	3.21	3.22	3.23	3.25	3.25	3.27	3.27	3.28	3.28	3.28	3.28	3.29	3.28	3.27	3.40
80	2.02	2.02	2.01	2.01	2.01	2.02	2.03	2.04	2.04	2.06	2.07	2.07	2.07	2.09	2.08	2.08	2.08	2.08	2.18
85	0.84	0.84	0.84	0.84	0.72	0.83	0.86	0.86	0.87	0.88	0.88	0.89	0.89	0.76	0.86	0.92	0.88	0.87	0.96
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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00
100	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00
105	0.00	0.06	0.00	0.05	0.00	0.05	0.00	0.06	0.01	0.05	0.00	0.05	0.01	0.05	0.00	0.05	0.00	0.06	0.02
110	0.05	0.10	0.04	0.10	0.04	0.11	0.04	0.10	0.04	0.10	0.04	0.10	0.05	0.10	0.04	0.09	0.03	0.09	0.06
115	0.11	0.16	0.11	0.17	0.12	0.17	0.12	0.16	0.11	0.17	0.12	0.16	0.11	0.16	0.11	0.16	0.11	0.16	0.11
120	0.24	0.29	0.24	0.29	0.24	0.30	0.25	0.29	0.24	0.30	0.24	0.30	0.24	0.29	0.24	0.29	0.23	0.27	0.19
125	0.46	0.51	0.47	0.52	0.47	0.52	0.48	0.52	0.48	0.52	0.48	0.52	0.48	0.52	0.46	0.50	0.45	0.49	0.34
130	0.78	0.83	0.80	0.85	0.82	0.86	0.83	0.88	0.84	0.89	0.84	0.88	0.83	0.86	0.81	0.85	0.79	0.81	0.59
135	1.19	1.25	1.22	1.28	1.26	1.32	1.29	1.33	1.29	1.34	1.30	1.33	1.29	1.32	1.26	1.27	1.23	1.24	0.95
140	1.66	1.71	1.70	1.76	1.75	1.80	1.78	1.83	1.81	1.84	1.81	1.84	1.80	1.82	1.76	1.77	1.72	1.72	1.38
145	2.14	2.20	2.18	2.25	2.23	2.29	2.28	2.33	2.31	2.35	2.32	2.35	2.30	2.33	2.26	2.27	2.20	2.22	1.84
150	2.60	2.67	2.65	2.71	2.69	2.75	2.74	2.80	2.77	2.82	2.79	2.82	2.77	2.79	2.72	2.75	2.67	2.70	2.30
155	3.04	3.09	3.04	3.10	3.06	3.13	3.09	3.17	3.12	3.19	3.14	3.18	3.12	3.16	3.09	3.12	3.07	3.10	2.74
160	3.36	3.41	3.34	3.39	3.33	3.40	3.35	3.42	3.36	3.43	3.37	3.43	3.37	3.42	3.35	3.40	3.36	3.40	3.08
165	3.58	3.61	3.53	3.57	3.50	3.56	3.50	3.55	3.49	3.54	3.50	3.55	3.50	3.57	3.53	3.59	3.53	3.60	3.35
170	3.72	3.76	3.66	3.69	3.62	3.69	3.62	3.66	3.59	3.64	3.58	3.64	3.60	3.69	3.65	3.73	3.68	3.74	3.57
175	3.80	3.82	3.76	3.80	3.74	3.80	3.74	3.78	3.70	3.75	3.71	3.77	3.72	3.81	3.78	3.81	3.77	3.79	3.75
180	3.82	3.82	3.80	3.82	3.83	3.85	3.80	3.80	3.78	3.79	3.80	3.80	3.81	3.82	3.81	3.81	3.79	3.79	3.83

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:230.13V I:0.0747A P:9.3940W PF:0.5468 Freq:50.00Hz Lamp Flux:700.603x1 lm																	
NAME: P102024									TYPE: 4000K						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	929	924	923	918	919	915	916	912	915	911	914	911	914	912	914	913	914		
5	947	958	973	982	996	1003	1013	1015	1018	1014	1014	1006	1001	989	980	964	951		
10	963	988	1012	1035	1056	1072	1085	1095	1100	1099	1097	1087	1076	1060	1041	1016	991		
15	911	936	955	979	998	1018	1028	1042	1045	1051	1045	1041	1029	1020	998	979	952		
20	738	761	768	786	794	809	810	826	821	828	820	822	809	808	786	776	754		
25	483	497	496	507	506	516	512	520	515	521	513	517	504	507	492	491	474		
30	256	262	259	263	260	266	261	265	260	264	257	258	249	251	243	244	234		
35	124	126	126	127	126	128	126	128	127	129	127	127	123	122	118	117	113		
40	73.0	74.6	74.6	75.9	75.8	77.0	76.7	77.3	77.1	78.0	77.2	77.6	76.3	76.1	74.5	73.7	71.6		
45	47.0	47.8	47.7	48.5	48.4	49.1	49.0	49.5	49.0	49.5	48.9	49.2	48.4	48.7	47.8	47.8	46.7		
50	32.5	32.7	32.5	32.8	32.7	33.0	32.8	32.9	32.6	32.8	32.5	32.7	32.3	32.4	31.9	31.9	31.5		
55	24.4	24.4	24.2	24.3	24.1	24.2	24.0	24.0	23.8	23.8	23.6	23.7	23.4	23.5	23.2	23.3	23.0		
60	16.9	16.9	16.7	16.8	16.6	16.6	16.4	16.3	16.0	16.0	15.8	15.9	15.6	15.7	15.5	15.6	15.4		
65	9.76	9.82	9.71	9.73	9.58	9.55	9.36	9.32	9.14	9.15	8.98	9.02	8.86	8.93	8.76	8.82	8.70		
70	4.73	4.74	4.67	4.67	4.60	4.61	4.54	4.55	4.49	4.53	4.46	4.49	4.42	4.47	4.40	4.45	4.41		
75	3.37	3.35	3.32	3.29	3.27	3.26	3.23	3.23	3.22	3.21	3.19	3.19	3.19	3.18	3.18	3.18	3.18		
80	2.15	2.15	2.13	2.11	2.09	2.08	2.07	2.05	2.04	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.00		
85	0.96	0.98	0.97	0.89	0.84	0.94	0.93	0.92	0.92	0.91	0.89	0.89	0.82	0.86	0.87	0.87	0.87		
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	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00		
105	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.03	0.00		
110	0.01	0.05	0.01	0.06	0.00	0.06	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.06	0.00	0.06	0.00		
115	0.05	0.10	0.04	0.10	0.04	0.10	0.03	0.10	0.04	0.09	0.03	0.10	0.05	0.10	0.04	0.10	0.05		
120	0.12	0.18	0.12	0.17	0.11	0.17	0.11	0.17	0.12	0.17	0.12	0.17	0.12	0.18	0.12	0.19	0.13		
125	0.27	0.33	0.27	0.31	0.26	0.32	0.26	0.32	0.26	0.32	0.26	0.32	0.27	0.33	0.28	0.34	0.29		
130	0.53	0.56	0.51	0.55	0.50	0.53	0.49	0.54	0.49	0.55	0.50	0.55	0.51	0.57	0.53	0.58	0.55		
135	0.88	0.90	0.84	0.87	0.81	0.84	0.80	0.84	0.80	0.85	0.81	0.87	0.83	0.89	0.86	0.92	0.90		
140	1.30	1.31	1.24	1.26	1.20	1.23	1.17	1.22	1.18	1.21	1.19	1.24	1.22	1.28	1.26	1.33	1.31		
145	1.75	1.76	1.69	1.70	1.64	1.66	1.60	1.63	1.59	1.64	1.61	1.66	1.64	1.71	1.70	1.77	1.76		
150	2.22	2.22	2.14	2.15	2.09	2.11	2.05	2.09	2.04	2.08	2.05	2.10	2.08	2.15	2.12	2.19	2.20		
155	2.64	2.66	2.57	2.60	2.53	2.56	2.50	2.53	2.48	2.53	2.49	2.54	2.51	2.57	2.54	2.62	2.60		
160	3.00	3.04	2.95	2.99	2.92	2.96	2.91	2.94	2.89	2.94	2.90	2.93	2.89	2.94	2.90	2.98	2.95		
165	3.27	3.32	3.26	3.30	3.23	3.28	3.23	3.29	3.22	3.28	3.22	3.28	3.22	3.27	3.22	3.26	3.23		
170	3.51	3.57	3.51	3.57	3.49	3.54	3.48	3.54	3.48	3.54	3.49	3.55	3.49	3.53	3.46	3.52	3.47		
175	3.69	3.77	3.72	3.77	3.69	3.74	3.67	3.72	3.67	3.75	3.69	3.76	3.69	3.75	3.67	3.72	3.66		
180	3.80	3.81	3.81	3.85	3.82	3.83	3.80	3.80	3.79	3.80	3.79	3.81	3.82	3.82	3.80	3.80	3.78		

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: