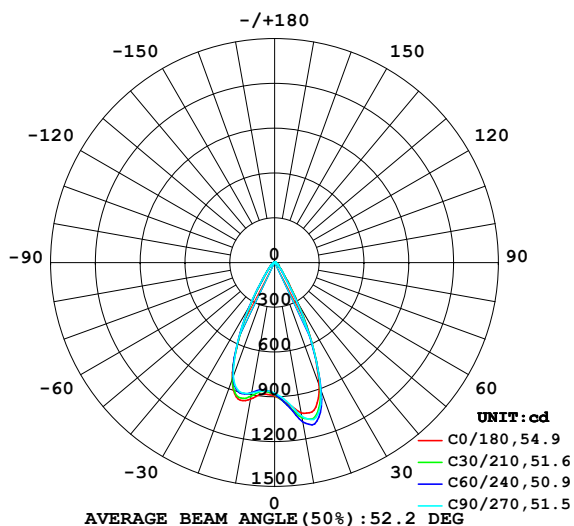


LUMINAIRE PHOTOMETRIC TEST REPORT

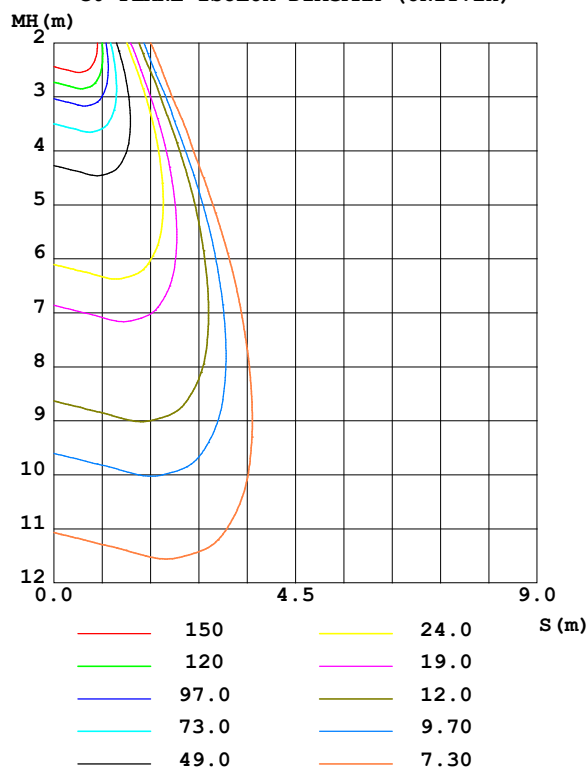
Test:U:230.26V I:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 83.42 lm/W
MODEL	TYSA023	Imax (cd)	1116	S/MH(C0/180)	0.81	
NOMINAL POWER(W)	9W	LOR(%)	100.0	S/MH(C90/270)	0.82	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	806.74	η UP,DN(C0-180)	0.4,50.0	
NOMINAL FLUX(lm)	806.744	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,49.3	
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230	η down (%)	99.3	CIBSE SHR MAX	0.75	

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	1021	1071	1044	949.5	928.7	894.7	889.6	943.4	0- 10	88.07	88.07	10.9,10.9
20	872.8	907.6	903.9	845.5	833.1	824.8	809.7	834.6	10- 20	269.4	357.5	44.3,44.3
30	316.8	294.3	285.8	298.7	322.6	325.9	332.2	331.0	20- 30	261.8	619.2	76.8,76.8
40	86.41	82.82	81.42	78.16	82.73	84.54	86.08	87.58	30- 40	99.86	719.1	89.1,89.1
50	37.24	35.53	34.59	33.70	35.61	36.30	36.81	37.35	40- 50	42.13	761.2	94.4,94.4
60	19.07	17.63	17.04	17.09	18.46	19.01	19.60	19.80	50- 60	23.78	785.0	97.3,97.3
70	5.118	4.932	4.866	4.872	5.225	5.388	5.473	5.443	60- 70	10.85	795.9	98.7,98.7
80	2.330	2.201	2.146	2.157	2.368	2.458	2.491	2.448	70- 80	3.881	799.8	99.1,99.1
90	0.0000	0	0	0	0	0	0.0023	0	80- 90	1.094	800.9	99.3,99.3
100	0	0.0112	0.0281	0.0140	0.0004	0	0	0	90-100	0.0014	800.9	99.3,99.3
110	0.0444	0.0729	0.1069	0.0759	0.0730	0.0310	0	0.0281	100-110	0.0239	800.9	99.3,99.3
120	0.2695	0.3115	0.3430	0.3257	0.2361	0.1880	0.1397	0.1740	110-120	0.1279	801.0	99.3,99.3
130	0.9026	0.9401	0.9730	0.9680	0.7587	0.7072	0.6550	0.6709	120-130	0.4411	801.4	99.3,99.3
140	1.861	1.859	1.899	1.908	1.681	1.644	1.570	1.536	130-140	0.9685	802.4	99.5,99.5
150	2.891	2.855	2.903	2.923	2.691	2.626	2.537	2.481	140-150	1.394	803.8	99.6,99.6
160	3.739	3.708	3.762	3.754	3.477	3.358	3.267	3.256	150-160	1.449	805.3	99.8,99.8
170	4.312	4.309	4.329	4.309	4.105	3.970	3.845	3.899	160-170	1.079	806.3	99.9,99.9
180	4.525	4.537	4.480	4.469	4.531	4.523	4.447	4.455	170-180	0.4090	806.7	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

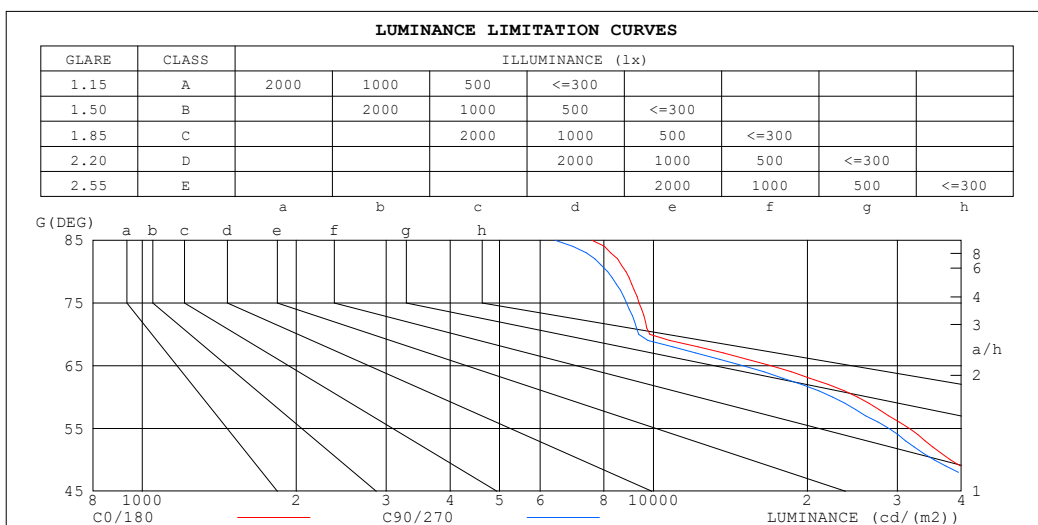
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.26V I:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7581	6424
80	8830	8131
75	9374	8859
70	9847	9362
65	17007	14972
60	25101	22421
55	31688	28894
50	38124	35406
45	50562	48723

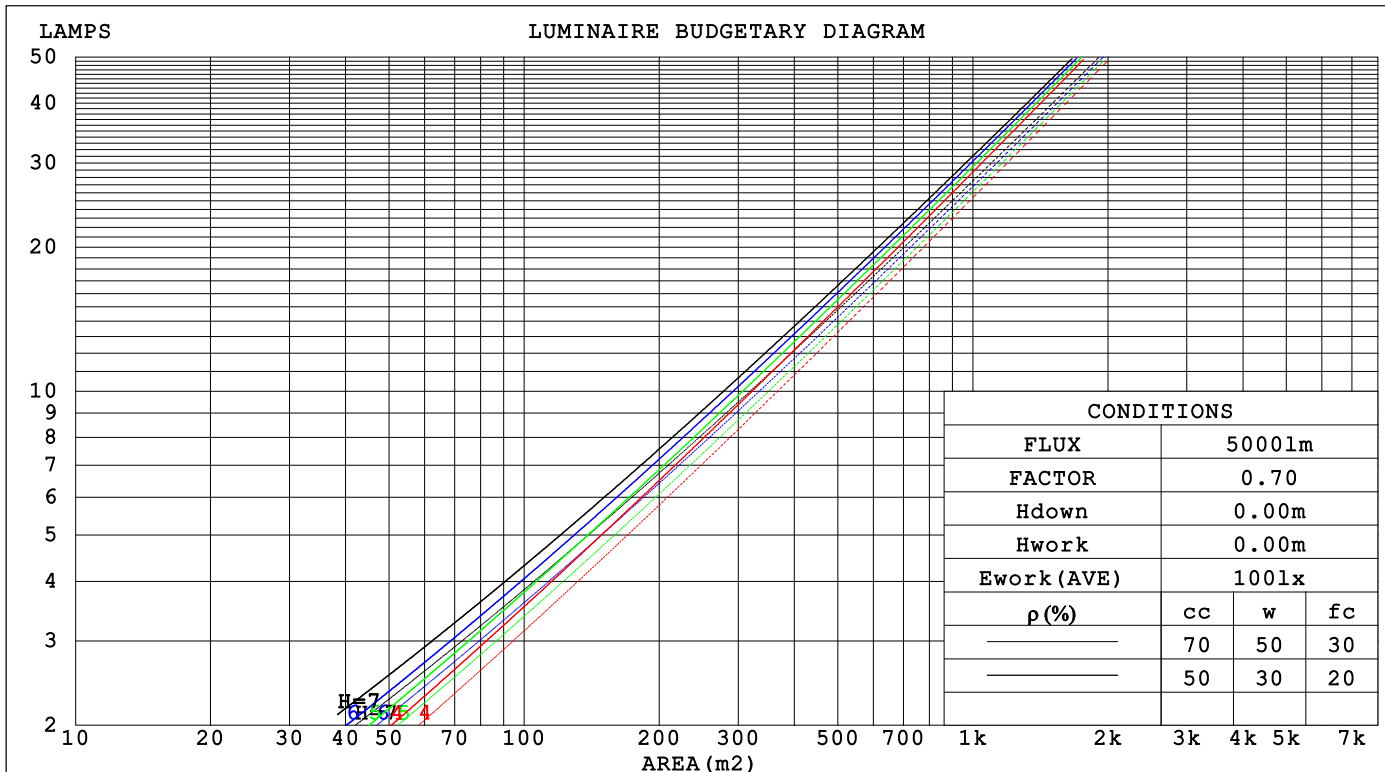
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.26V I:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	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															



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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	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	.181	.103	.033	.174	.099	.031	.161	.092	.029	.149	.086	.028	.138	.080	.026		
2.0	.172	.094	.029	.166	.092	.028	.155	.086	.027	.145	.081	.025	.136	.077	.024		
3.0	.163	.087	.026	.158	.085	.025	.149	.081	.024	.140	.077	.024	.132	.073	.023		
4.0	.155	.080	.024	.150	.079	.023	.142	.075	.023	.135	.072	.022	.127	.069	.021		
5.0	.147	.075	.022	.143	.073	.021	.136	.071	.021	.129	.068	.020	.123	.066	.020		
6.0	.139	.070	.020	.136	.069	.020	.130	.067	.019	.124	.064	.019	.119	.062	.019		
7.0	.133	.066	.019	.130	.065	.018	.124	.063	.018	.119	.061	.018	.114	.059	.017		
8.0	.127	.062	.017	.124	.061	.017	.119	.060	.017	.115	.058	.017	.110	.057	.016		
9.0	.121	.059	.016	.119	.058	.016	.115	.057	.016	.110	.055	.016	.106	.054	.016		
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015		

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	.089	.060	.056	.052	.019	.018	.017		
2.0	.162	.138	.118	.139	.119	.102	.095	.082	.071	.055	.048	.042	.018	.015	.014		
3.0	.150	.119	.095	.128	.103	.082	.088	.071	.058	.051	.042	.034	.016	.014	.011		
4.0	.139	.105	.078	.119	.090	.068	.082	.063	.048	.048	.037	.028	.015	.012	.009		
5.0	.130	.093	.065	.112	.080	.057	.077	.056	.040	.045	.033	.024	.014	.011	.008		
6.0	.123	.084	.056	.106	.072	.048	.073	.051	.034	.042	.030	.020	.014	.010	.007		
7.0	.116	.076	.048	.100	.066	.042	.069	.046	.030	.040	.027	.018	.013	.009	.006		
8.0	.110	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005		
9.0	.105	.065	.037	.091	.056	.032	.063	.039	.023	.037	.023	.014	.012	.008	.005		
10.0	.101	.060	.033	.087	.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: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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm										
NAME: P102024					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	21.7	22.6	21.9	22.8	23.0	21.1	22.1	21.4	22.3	22.4
3H	21.7	22.6	22.0	22.8	23.0	21.2	22.1	21.5	22.3	22.5
4H	21.8	22.6	22.0	22.8	23.0	21.2	22.0	21.5	22.3	22.5
6H	21.7	22.5	22.1	22.8	23.0	21.2	22.0	21.5	22.2	22.5
8H	21.7	22.5	22.1	22.7	23.0	21.2	21.9	21.5	22.2	22.5
12H	21.7	22.4	22.0	22.7	23.0	21.2	21.9	21.5	22.2	22.5
4H 2H	21.7	22.5	21.9	22.7	22.9	21.2	22.0	21.5	22.2	22.5
3H	21.8	22.5	22.1	22.8	23.1	21.3	22.0	21.6	22.3	22.6
4H	21.8	22.5	22.2	22.8	23.1	21.3	22.0	21.7	22.3	22.6
6H	21.9	22.4	22.2	22.8	23.1	21.4	21.9	21.8	22.3	22.6
8H	21.9	22.4	22.3	22.7	23.1	21.4	21.9	21.8	22.3	22.6
12H	21.9	22.3	22.3	22.7	23.1	21.4	21.8	21.8	22.2	22.6
8H 4H	21.7	22.3	22.1	22.6	23.0	21.3	21.8	21.7	22.2	22.5
6H	21.8	22.2	22.3	22.7	23.1	21.4	21.8	21.8	22.2	22.6
8H	21.9	22.2	22.3	22.7	23.1	21.4	21.8	21.8	22.2	22.7
12H	21.9	22.2	22.3	22.6	23.1	21.4	21.7	21.9	22.2	22.7
12H 4H	21.7	22.2	22.1	22.6	23.0	21.2	21.7	21.7	22.1	22.5
6H	21.8	22.2	22.2	22.6	23.1	21.3	21.7	21.8	22.1	22.6
8H	21.8	22.2	22.3	22.6	23.1	21.4	21.7	21.8	22.1	22.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.4 / - 1.8					+ 1.2 / - 1.9				
1.5H	+ 2.3 / - 1.1					+ 1.9 / - 1.1				
2.0H	+ 1.9 / - 1.9					+ 2.0 / - 1.9				

CIE Pub.117, 806.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.7)
Area: 0.00151976 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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

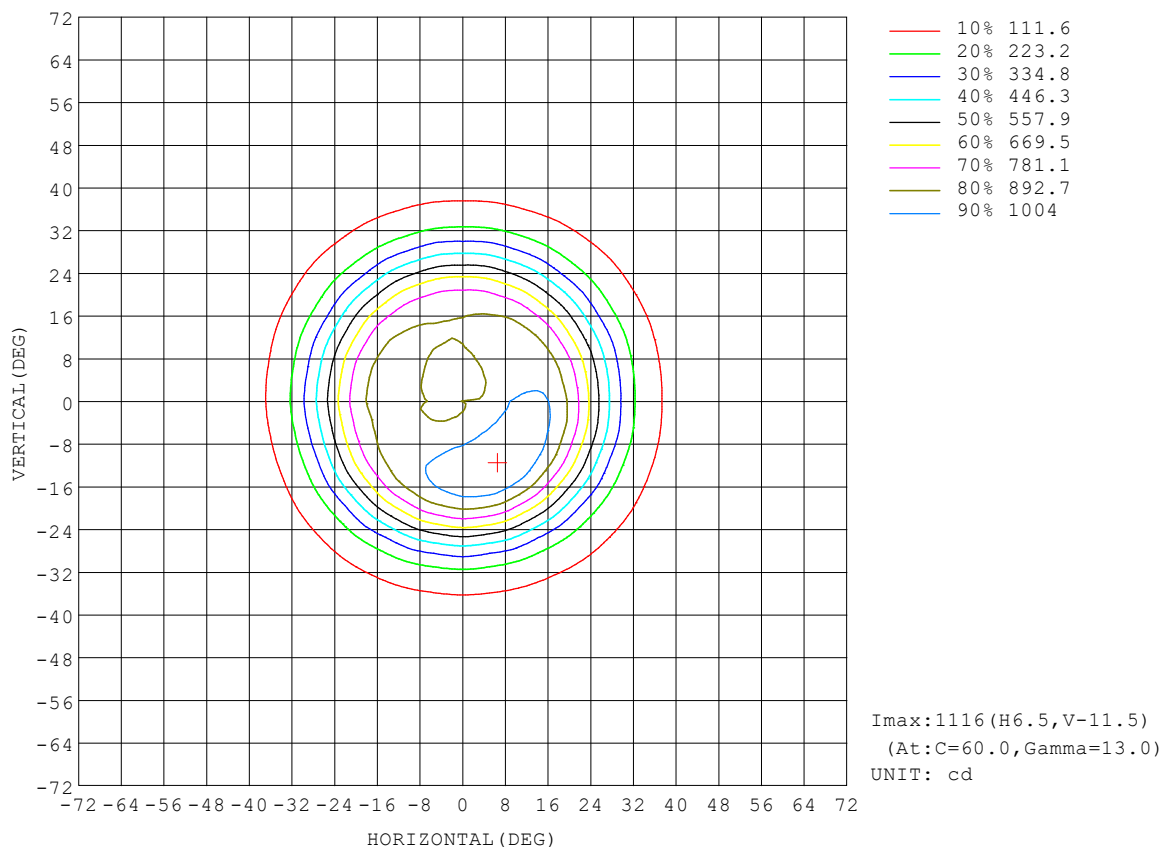
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	82	78
1.00	97	91	87	96	91	87	95	91	86	82
1.25	102	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	99	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	107	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: 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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

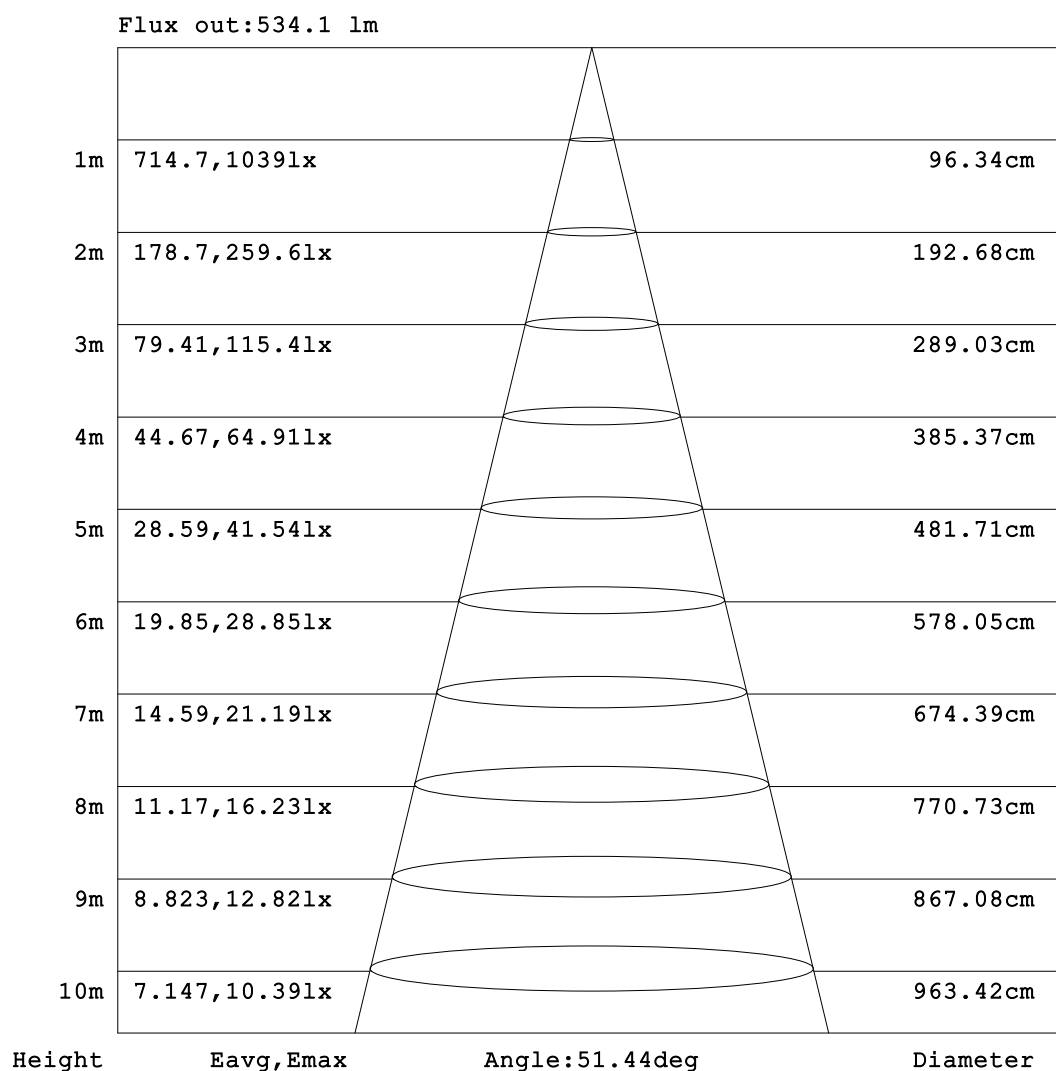


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	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:31 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

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

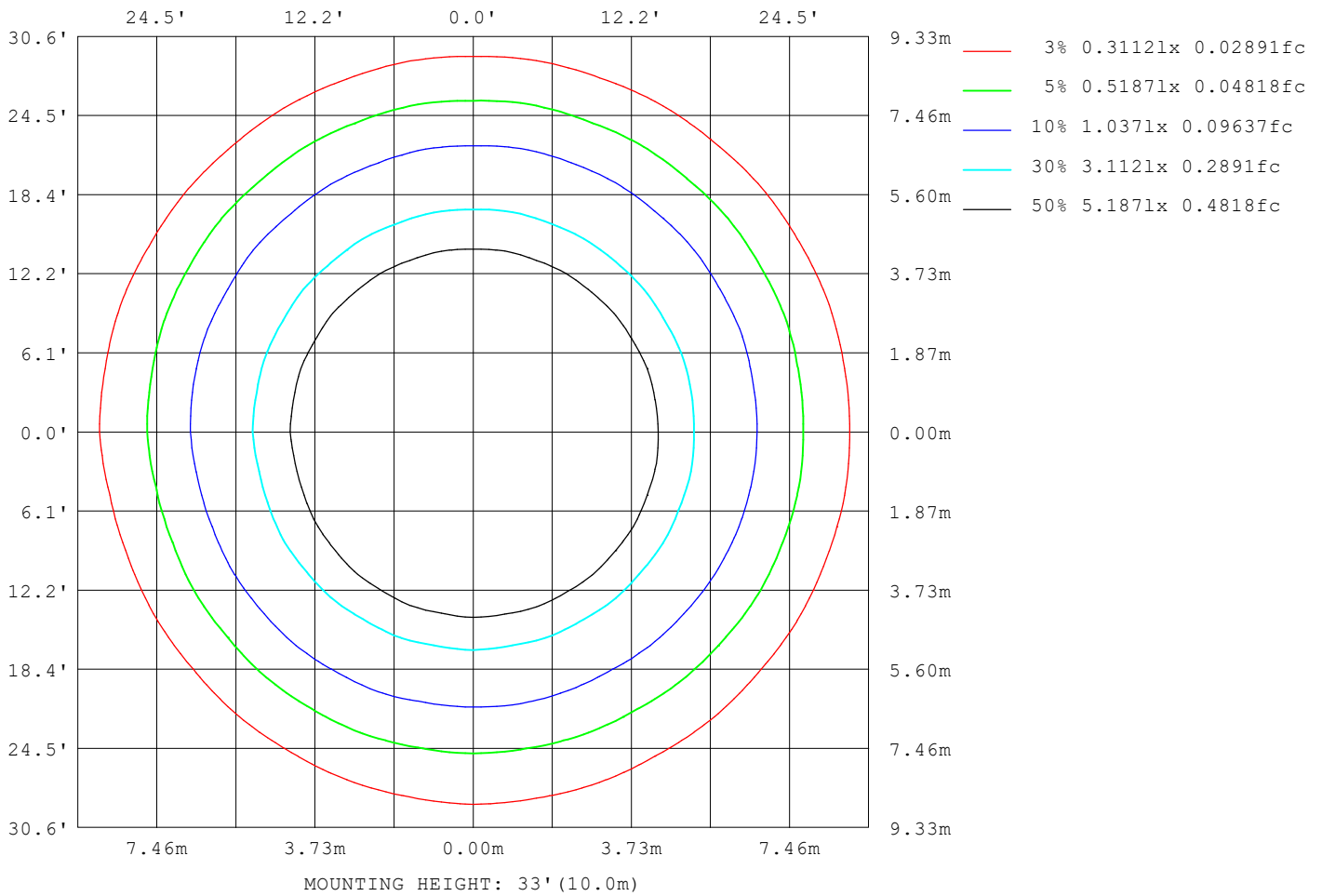
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

ISOLUX DIAGRAM

Test:U:230.26V I:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	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: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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	TYPE: 6500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D44mm	Shielding Angle:

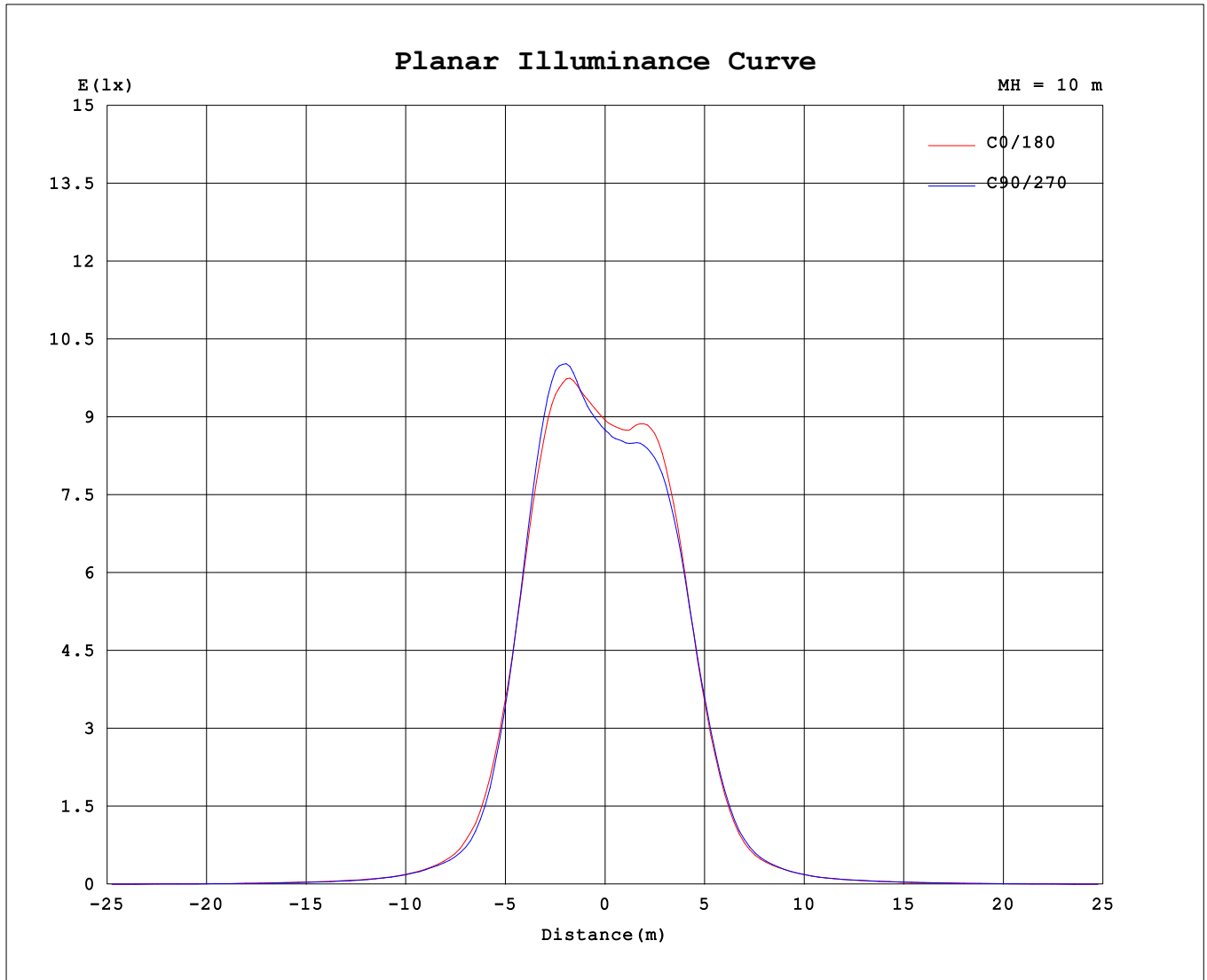
AvgL	cd/m2
L_0~180 (65) av	16826
L_0~180 (75) av	9444
L_0~180 (85) av	5876
L_90~270 (65) av	16534
L_90~270 (75) av	9325
L_90~270 (85) av	7669
L_45 (65) av	16586
L_45 (75) av	9311
L_45 (85) av	6875

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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm		
NAME: P102024	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	894	890	889	885	884	882	880	878	877	875	874	872	871	870	869	869	867	867	894
5	944	947	952	954	959	957	956	948	943	932	924	913	905	895	886	877	872	866	886
10	1021	1029	1042	1055	1067	1076	1082	1076	1065	1044	1026	1000	979	957	942	932	926	915	929
15	1025	1038	1048	1065	1077	1095	1100	1105	1091	1075	1050	1026	998	978	957	944	934	928	947
20	873	886	884	899	900	915	913	919	909	904	888	884	863	856	835	829	817	816	833
25	588	595	587	592	584	590	580	587	577	583	572	580	568	574	565	569	559	558	577
30	317	323	308	313	295	294	283	287	279	286	281	292	288	303	294	304	295	305	323
35	154	150	150	144	142	135	131	130	129	130	128	132	131	133	132	134	133	137	146
40	86.4	86.5	85.0	84.8	82.9	82.7	81.3	81.6	81.0	81.4	79.9	79.8	78.6	78.7	77.6	78.2	77.5	78.8	82.7
45	54.3	54.5	53.6	53.5	52.6	52.8	52.1	52.5	52.0	52.4	51.3	51.1	50.0	49.9	49.1	49.6	49.5	50.3	53.0
50	37.2	37.2	36.6	36.3	35.6	35.5	34.9	35.0	34.5	34.6	34.2	34.3	33.9	33.9	33.5	33.8	33.7	34.1	35.6
55	27.6	27.6	27.1	26.8	26.1	25.9	25.5	25.4	25.1	25.2	24.9	25.1	24.9	25.1	25.0	25.2	25.2	25.5	26.6
60	19.1	19.0	18.5	18.3	17.7	17.6	17.2	17.2	16.9	17.0	16.8	17.0	16.9	17.2	17.0	17.3	17.2	17.5	18.5
65	10.9	10.8	10.5	10.4	10.0	10.0	9.75	9.79	9.56	9.62	9.47	9.60	9.49	9.67	9.61	9.83	9.80	10.0	10.7
70	5.12	5.11	5.00	5.01	4.93	4.93	4.88	4.90	4.85	4.87	4.84	4.87	4.84	4.88	4.86	4.92	4.91	4.97	5.22
75	3.69	3.67	3.60	3.60	3.54	3.54	3.49	3.50	3.47	3.48	3.46	3.48	3.46	3.50	3.48	3.53	3.53	3.58	3.74
80	2.33	2.31	2.25	2.24	2.20	2.20	2.16	2.17	2.14	2.15	2.13	2.15	2.13	2.16	2.15	2.18	2.19	2.24	2.37
85	1.00	0.99	0.94	0.94	0.77	0.83	0.86	0.86	0.84	0.85	0.83	0.85	0.84	0.72	0.78	0.87	0.63	0.37	0.55
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	0.01	0.00
100	0.00	0.02	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.03	0.00
105	0.00	0.05	0.01	0.06	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.05	0.00	0.06	0.01	0.05	0.01	0.06	0.03
110	0.04	0.10	0.04	0.10	0.04	0.11	0.04	0.11	0.04	0.11	0.04	0.11	0.05	0.10	0.05	0.11	0.05	0.11	0.07
115	0.12	0.19	0.12	0.19	0.13	0.18	0.13	0.19	0.13	0.19	0.13	0.19	0.14	0.20	0.13	0.19	0.13	0.20	0.13
120	0.27	0.33	0.27	0.33	0.29	0.34	0.29	0.34	0.29	0.34	0.30	0.35	0.30	0.35	0.30	0.35	0.30	0.35	0.24
125	0.54	0.58	0.54	0.58	0.54	0.60	0.56	0.60	0.56	0.61	0.57	0.61	0.56	0.61	0.57	0.61	0.58	0.61	0.44
130	0.90	0.94	0.90	0.95	0.92	0.96	0.92	0.97	0.93	0.97	0.93	0.98	0.94	0.98	0.95	0.99	0.95	0.99	0.76
135	1.37	1.40	1.36	1.40	1.36	1.40	1.36	1.40	1.37	1.42	1.38	1.42	1.39	1.43	1.40	1.45	1.42	1.47	1.18
140	1.86	1.88	1.83	1.88	1.84	1.88	1.84	1.88	1.85	1.90	1.87	1.91	1.88	1.92	1.90	1.95	1.92	1.97	1.68
145	2.38	2.41	2.34	2.38	2.34	2.38	2.35	2.39	2.36	2.40	2.38	2.43	2.39	2.43	2.42	2.47	2.45	2.50	2.20
150	2.89	2.91	2.86	2.88	2.84	2.87	2.84	2.89	2.85	2.90	2.88	2.93	2.88	2.94	2.91	2.97	2.94	3.00	2.69
155	3.36	3.39	3.32	3.35	3.30	3.34	3.29	3.35	3.31	3.36	3.33	3.39	3.34	3.40	3.36	3.42	3.38	3.43	3.11
160	3.74	3.77	3.70	3.74	3.68	3.73	3.69	3.76	3.71	3.76	3.73	3.78	3.74	3.78	3.73	3.78	3.75	3.81	3.48
165	4.05	4.09	4.01	4.07	4.00	4.08	4.03	4.09	4.03	4.09	4.05	4.09	4.02	4.08	4.04	4.10	4.04	4.09	3.79
170	4.31	4.36	4.27	4.33	4.28	4.34	4.30	4.35	4.29	4.33	4.27	4.31	4.27	4.33	4.29	4.34	4.27	4.30	4.11
175	4.47	4.53	4.47	4.52	4.48	4.54	4.48	4.50	4.44	4.49	4.43	4.47	4.42	4.47	4.45	4.46	4.41	4.42	4.40
180	4.53	4.53	4.51	4.52	4.54	4.54	4.52	4.50	4.48	4.48	4.47	4.47	4.47	4.47	4.47	4.46	4.42	4.42	4.53

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:0.0763A P:9.6711W PF:0.5505 Freq:50.00Hz Lamp Flux:806.744x1 lm																	
NAME: P102024									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	890	889	885	884	882	880	878	877	875	874	872	871	870	869	869	867	867		
5	879	871	866	862	860	858	858	860	863	867	872	876	883	887	894	900	907		
10	924	914	909	899	890	884	884	883	890	900	913	925	938	949	961	968	979		
15	941	940	935	923	912	903	895	895	897	907	920	936	947	959	973	984	992		
20	830	835	828	831	819	818	812	812	810	818	815	827	829	840	843	854	857		
25	572	581	576	587	580	588	583	589	584	591	584	588	583	590	585	595	589		
30	317	328	319	331	321	334	328	340	332	341	333	337	328	335	326	335	324		
35	151	152	152	154	154	155	156	158	158	160	158	158	158	157	156	155	154		
40	83.0	84.3	83.8	84.7	84.4	85.6	85.4	86.9	86.1	87.2	86.5	87.5	86.9	88.2	87.5	88.2	86.7		
45	52.7	53.3	52.6	53.0	52.6	53.1	52.8	53.6	53.3	54.1	54.0	54.9	54.6	55.2	54.7	55.2	54.5		
50	35.6	36.0	35.9	36.3	36.3	36.7	36.6	36.9	36.8	37.2	37.1	37.4	37.2	37.5	37.1	37.3	37.0		
55	26.6	27.0	27.0	27.3	27.3	27.7	27.7	27.9	27.9	28.3	28.1	28.4	28.1	28.1	27.8	27.8	27.5		
60	18.4	18.8	18.7	19.0	19.0	19.3	19.3	19.6	19.6	20.0	19.9	20.1	19.8	19.8	19.4	19.5	19.2		
65	10.7	11.0	10.9	11.2	11.2	11.4	11.4	11.7	11.6	11.9	11.8	12.0	11.7	11.8	11.5	11.5	11.2		
70	5.20	5.31	5.29	5.39	5.38	5.50	5.45	5.59	5.47	5.62	5.47	5.57	5.42	5.46	5.32	5.31	5.21		
75	3.73	3.77	3.77	3.82	3.81	3.85	3.83	3.87	3.85	3.87	3.83	3.84	3.80	3.81	3.76	3.75	3.70		
80	2.37	2.41	2.42	2.46	2.46	2.49	2.48	2.51	2.49	2.51	2.48	2.48	2.45	2.45	2.41	2.41	2.35		
85	0.71	1.06	1.10	1.04	1.09	1.18	1.17	1.20	1.18	1.20	1.17	1.18	1.03	1.11	1.11	1.11	1.06		
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	0.03	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.02	0.00		
110	0.00	0.06	0.01	0.06	0.00	0.06	0.00	0.06	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.06	0.00		
115	0.06	0.12	0.06	0.11	0.06	0.11	0.04	0.11	0.06	0.10	0.05	0.10	0.04	0.11	0.05	0.11	0.04		
120	0.18	0.22	0.16	0.22	0.16	0.20	0.15	0.20	0.14	0.20	0.15	0.20	0.15	0.20	0.15	0.20	0.16		
125	0.38	0.42	0.37	0.42	0.35	0.40	0.34	0.39	0.35	0.39	0.34	0.39	0.34	0.39	0.34	0.39	0.35		
130	0.71	0.74	0.69	0.73	0.68	0.72	0.67	0.70	0.66	0.70	0.66	0.69	0.65	0.69	0.64	0.69	0.65		
135	1.14	1.16	1.13	1.16	1.12	1.15	1.10	1.13	1.08	1.11	1.07	1.10	1.06	1.09	1.05	1.08	1.04		
140	1.63	1.67	1.63	1.67	1.62	1.65	1.60	1.62	1.57	1.59	1.54	1.57	1.52	1.55	1.51	1.54	1.49		
145	2.15	2.19	2.14	2.17	2.12	2.15	2.10	2.12	2.06	2.08	2.03	2.06	2.00	2.02	1.98	2.00	1.97		
150	2.63	2.67	2.61	2.65	2.60	2.63	2.58	2.60	2.54	2.56	2.50	2.53	2.47	2.49	2.43	2.46	2.43		
155	3.05	3.08	3.02	3.06	3.00	3.04	2.98	3.02	2.95	2.97	2.91	2.95	2.88	2.90	2.85	2.90	2.86		
160	3.40	3.44	3.35	3.39	3.33	3.37	3.31	3.35	3.27	3.32	3.26	3.31	3.23	3.28	3.23	3.28	3.24		
165	3.70	3.74	3.67	3.68	3.60	3.64	3.57	3.62	3.55	3.61	3.55	3.62	3.55	3.61	3.57	3.62	3.60		
170	4.04	4.07	3.98	4.02	3.92	3.94	3.86	3.91	3.85	3.90	3.86	3.92	3.87	3.92	3.88	3.96	3.93		
175	4.33	4.39	4.32	4.36	4.27	4.30	4.20	4.24	4.17	4.24	4.19	4.26	4.20	4.25	4.19	4.25	4.21		
180	4.51	4.51	4.51	4.53	4.51	4.51	4.46	4.46	4.45	4.45	4.44	4.45	4.45	4.46	4.42	4.42	4.40		

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: