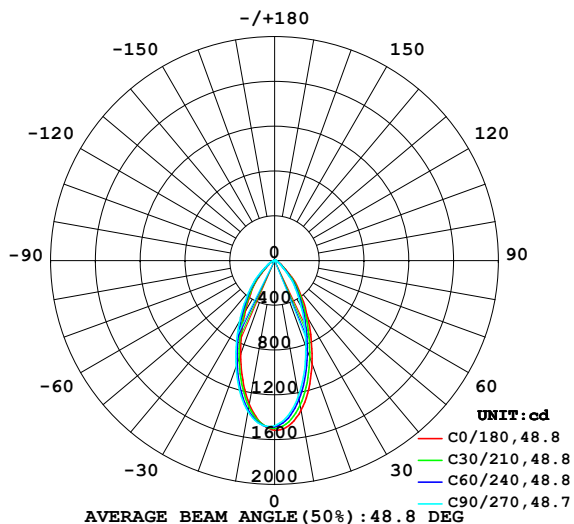


LUMINAIRE PHOTOMETRIC TEST REPORT

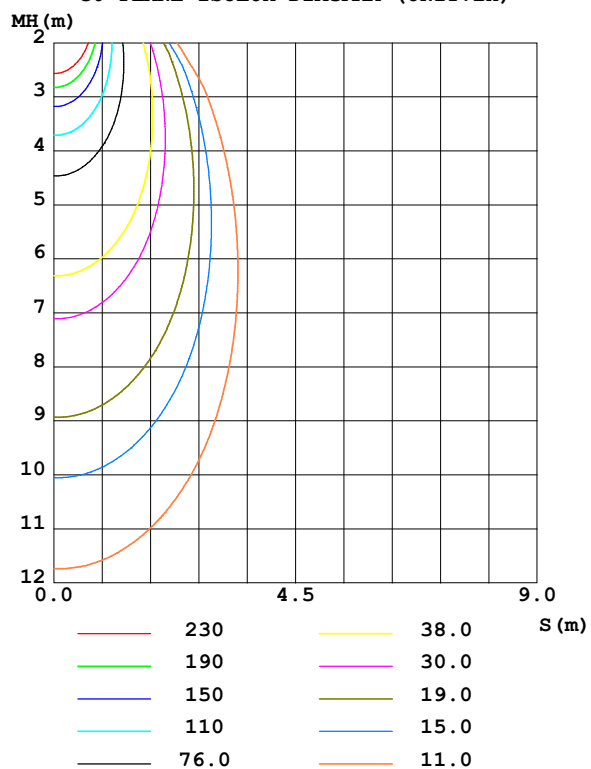
Test:U:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.62 lm/W
MODEL	XY-HA1 C15	I _{max} (cd)	1516	S/MH(C0/180)	0.72	
NOMINAL POWER(W)	15W	LOR(%)	100.0	S/MH(C90/270)	0.81	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1321.7	η UP,DN(C0-180)	0.4,45.6	
NOMINAL FLUX(lm)	1321.69	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,53.6	
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230	η down (%)	99.2	CIBSE SHR MAX	0.80	

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	1360	1285	1229	1214	1304	1344	1370	1362	0- 10	132.6	132.6	10,10
20	978.2	886.2	820.0	803.4	891.9	956.0	1009	1014	10- 20	310.6	443.2	33.5,33.5
30	596.0	528.5	479.2	466.8	528.5	580.3	626.4	633.9	20- 30	331.0	774.2	58.6,58.6
40	330.4	288.9	258.8	249.7	285.5	318.8	349.8	356.1	30- 40	260.0	1034	78.2,78.2
50	135.8	109.6	95.36	92.52	107.3	126.7	151.0	154.5	40- 50	158.3	1192	90.2,90.2
60	60.21	50.79	44.28	42.87	50.05	57.44	63.66	64.69	50- 60	72.56	1265	95.7,95.7
70	18.98	12.66	11.08	10.87	12.58	18.31	23.53	24.41	60- 70	33.87	1299	98.3,98.3
80	6.144	5.006	4.286	4.111	4.914	6.271	7.229	7.178	70- 80	10.15	1309	99,99
90	0.0994	0.0450	0.0562	0.0477	0.0225	0.0178	0.8935	0.2499	80- 90	2.728	1312	99.2,99.2
100	0.0842	0.1405	0.1966	0.1715	0.1181	0.0589	0.0168	0.0423	90-100	0.0786	1312	99.3,99.3
110	0.3418	0.4355	0.5230	0.5052	0.3659	0.2612	0.1964	0.2134	100-110	0.2244	1312	99.3,99.3
120	0.8470	0.9831	1.119	1.126	0.8489	0.6825	0.5771	0.5788	110-120	0.5677	1313	99.3,99.3
130	1.695	1.865	2.051	2.066	1.642	1.404	1.233	1.236	120-130	1.085	1314	99.4,99.4
140	2.879	3.082	3.292	3.309	2.757	2.435	2.222	2.201	130-140	1.677	1315	99.5,99.5
150	4.180	4.343	4.566	4.558	4.012	3.652	3.436	3.417	140-150	2.115	1318	99.7,99.7
160	5.232	5.304	5.485	5.468	5.092	4.756	4.568	4.535	150-160	2.091	1320	99.8,99.8
170	5.873	5.853	5.884	5.943	5.828	5.564	5.351	5.376	160-170	1.521	1321	100,100
180	6.086	6.030	5.935	5.965	6.097	6.030	5.907	5.929	170-180	0.5552	1322	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

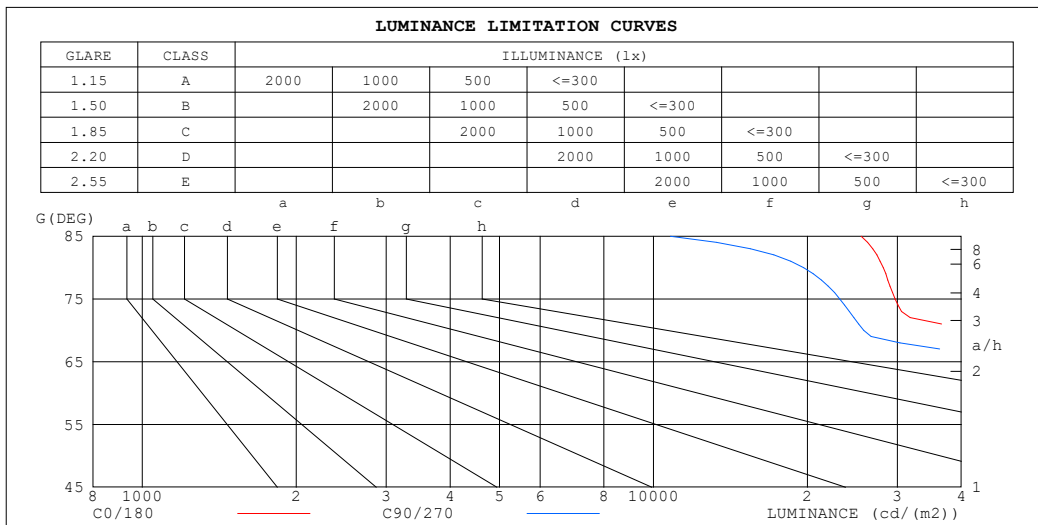
Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	25476	10800
80	28170	19652
75	29699	23141
70	44178	25785
65	74064	47582
60	95872	70513
55	120452	90863
50	168202	118116
45	265511	176075

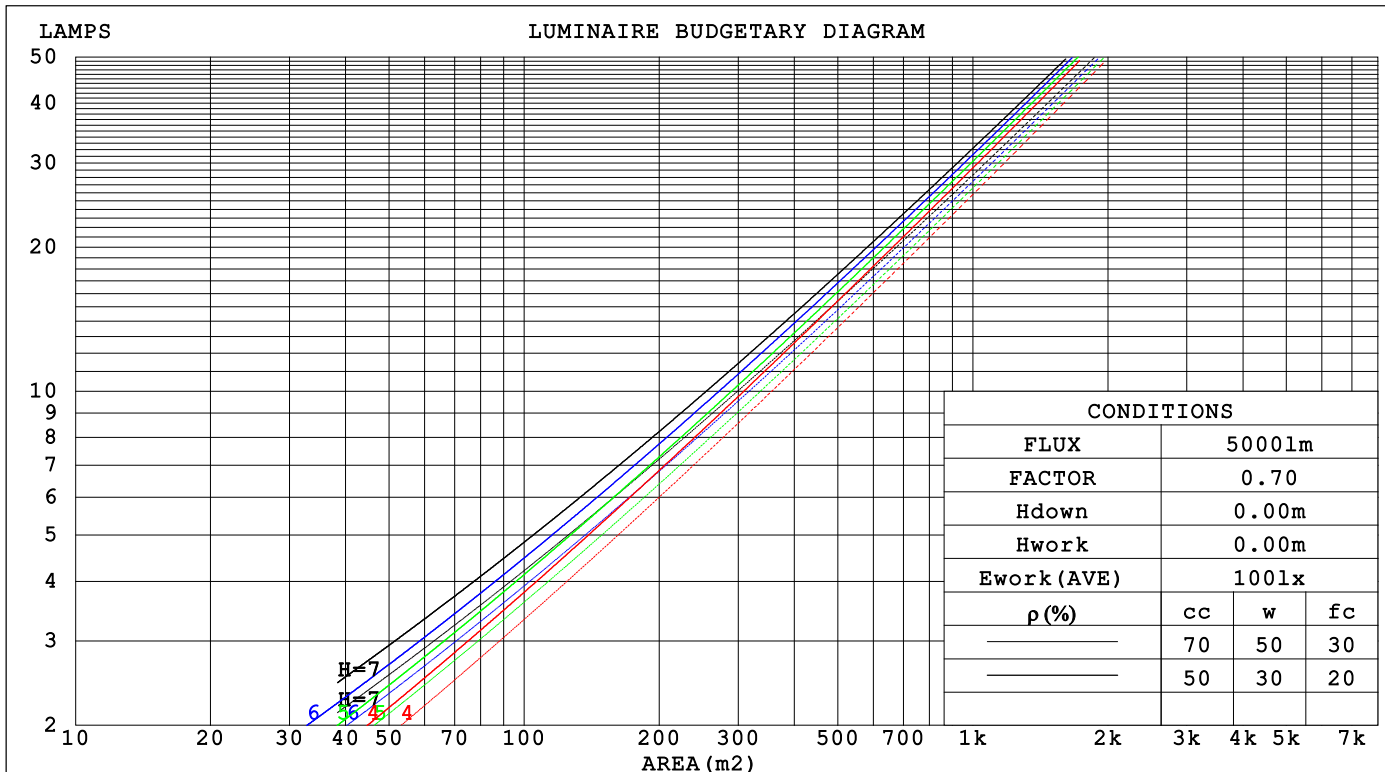
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	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	1.09	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.00	.96	.92	.99	.94	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.87	.82	.91	.86	.82	.88	.84	.80	.85	.82	.79	.83	.80	.77	.76
4.0	.85	.79	.74	.84	.78	.74	.82	.77	.73	.80	.75	.72	.78	.74	.71	.69
5.0	.79	.73	.68	.78	.72	.67	.76	.71	.67	.74	.70	.66	.73	.69	.65	.64
6.0	.74	.67	.62	.73	.66	.62	.71	.66	.61	.70	.65	.61	.68	.64	.60	.59
7.0	.69	.62	.57	.68	.62	.57	.67	.61	.57	.65	.60	.56	.64	.60	.56	.55
8.0	.64	.58	.53	.64	.57	.53	.63	.57	.53	.61	.56	.53	.60	.56	.52	.51
9.0	.60	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.57	.52	.49	.47
10.0	.57	.51	.46	.56	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44



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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm					
NAME:		TYPE: 4000K		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.: D40mm		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	.202	.115	.036	.195	.111	.035	.182	.104	.033	.170	.098	.031	.159	.092	.030		
2.0	.195	.107	.033	.189	.104	.032	.178	.099	.031	.167	.094	.029	.158	.089	.028		
3.0	.185	.099	.030	.180	.097	.029	.171	.092	.028	.162	.089	.027	.153	.085	.026		
4.0	.176	.091	.027	.171	.090	.026	.163	.086	.026	.155	.083	.025	.148	.080	.024		
5.0	.166	.085	.025	.163	.083	.024	.155	.081	.024	.148	.078	.023	.142	.076	.023		
6.0	.158	.079	.023	.154	.078	.022	.148	.076	.022	.142	.074	.022	.136	.072	.021		
7.0	.150	.074	.021	.147	.073	.021	.141	.071	.021	.135	.069	.020	.130	.068	.020		
8.0	.142	.070	.020	.140	.069	.019	.134	.067	.019	.130	.066	.019	.125	.064	.019		
9.0	.136	.066	.018	.133	.065	.018	.128	.064	.018	.124	.062	.018	.120	.061	.018		
10.0	.129	.062	.017	.127	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.017		

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	.179	.163	.149	.153	.140	.128	.105	.096	.088	.060	.056	.051	.019	.018	.017		
2.0	.165	.138	.116	.141	.119	.100	.097	.082	.070	.056	.048	.041	.018	.015	.013		
3.0	.154	.120	.092	.132	.103	.080	.091	.072	.056	.052	.042	.033	.017	.014	.011		
4.0	.145	.105	.075	.124	.091	.065	.085	.063	.046	.049	.037	.027	.016	.012	.009		
5.0	.136	.094	.063	.117	.081	.054	.081	.057	.038	.047	.033	.023	.015	.011	.008		
6.0	.129	.085	.053	.111	.074	.046	.077	.051	.033	.044	.030	.019	.014	.010	.006		
7.0	.123	.078	.046	.106	.067	.040	.073	.047	.028	.042	.028	.017	.014	.009	.006		
8.0	.117	.071	.040	.101	.062	.035	.070	.044	.025	.041	.026	.015	.013	.008	.005		
9.0	.112	.066	.036	.096	.058	.031	.067	.040	.022	.039	.024	.013	.013	.008	.004		
10.0	.107	.062	.032	.092	.054	.028	.064	.038	.020	.037	.022	.012	.012	.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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm											
NAME:					TYPE: 4000K			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: D40mm			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	2H	26.8	27.9	27.1	28.1	28.3	25.6	26.7	25.8	26.9	27.0
	3H	27.0	27.9	27.2	28.2	28.4	25.6	26.6	25.9	26.8	27.0
	4H	26.9	27.9	27.2	28.1	28.3	25.6	26.5	25.9	26.7	27.0
	6H	26.9	27.8	27.2	28.0	28.3	25.5	26.4	25.8	26.7	26.9
	8H	26.9	27.7	27.2	28.0	28.3	25.5	26.3	25.8	26.6	26.9
	12H	26.8	27.6	27.2	27.9	28.2	25.5	26.3	25.8	26.5	26.8
4H	2H	26.8	27.7	27.1	28.0	28.2	25.6	26.6	25.9	26.8	27.1
	3H	26.9	27.7	27.3	28.0	28.3	25.7	26.5	26.0	26.8	27.1
	4H	26.9	27.7	27.3	28.0	28.3	25.7	26.4	26.0	26.7	27.0
	6H	26.9	27.6	27.3	27.9	28.3	25.7	26.3	26.1	26.6	27.0
	8H	26.9	27.5	27.3	27.9	28.3	25.6	26.2	26.0	26.6	27.0
	12H	26.9	27.4	27.3	27.8	28.2	25.6	26.1	26.0	26.5	26.9
8H	4H	26.8	27.4	27.2	27.8	28.2	25.6	26.2	26.0	26.6	26.9
	6H	26.9	27.3	27.3	27.7	28.2	25.6	26.1	26.1	26.5	26.9
	8H	26.9	27.3	27.3	27.7	28.2	25.6	26.0	26.1	26.5	26.9
	12H	26.9	27.2	27.3	27.7	28.2	25.6	25.9	26.1	26.4	26.9
12H	4H	26.8	27.3	27.2	27.7	28.1	25.6	26.1	26.0	26.5	26.9
	6H	26.8	27.2	27.3	27.7	28.1	25.6	26.0	26.0	26.4	26.9
	8H	26.8	27.2	27.3	27.6	28.1	25.6	25.9	26.1	26.4	26.9
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.4 / - 2.3					+ 1.6 / - 2.7				
1.5H		+ 2.2 / - 2.3					+ 2.1 / - 1.8				
2.0H		+ 3.8 / - 2.3					+ 2.5 / - 2.0				

CIE Pub.117, 1322 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.0)
Area: 0.001256 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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

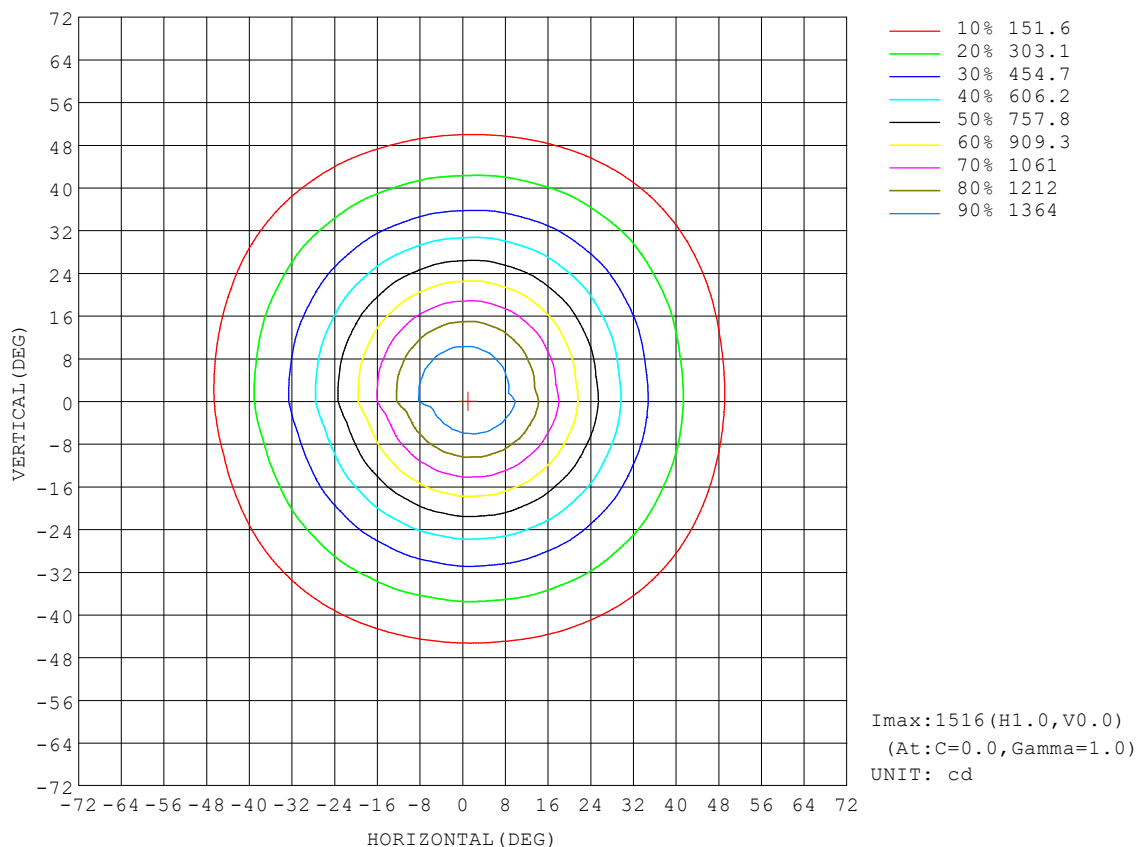
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	65	77	70	65	76	69	65	60
0.80	86	79	74	86	79	74	84	78	74	69
1.00	93	85	81	92	85	81	90	85	80	75
1.25	98	91	87	97	91	86	94	89	85	80
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	103	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	91
4.00	112	108	105	110	107	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

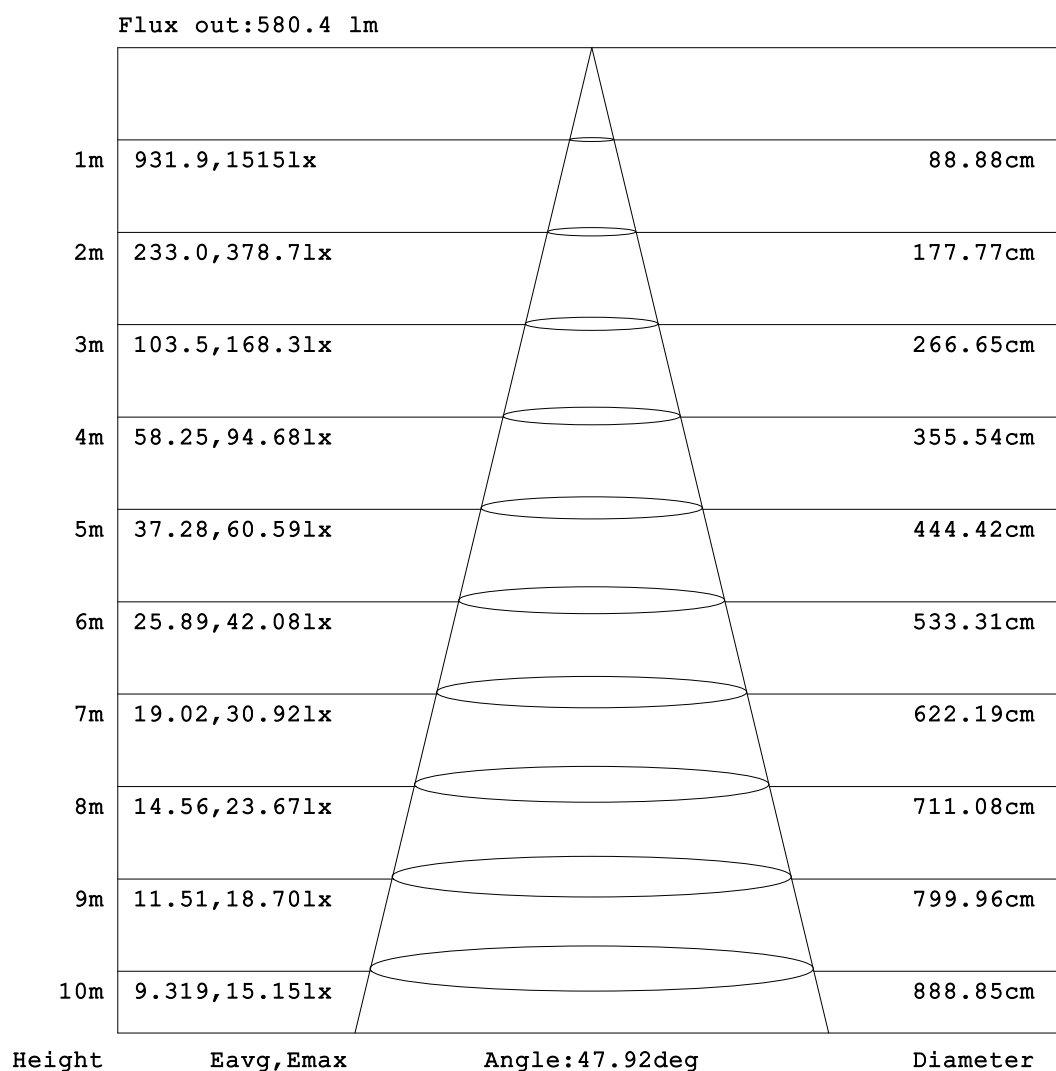


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:31 July 2025

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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:



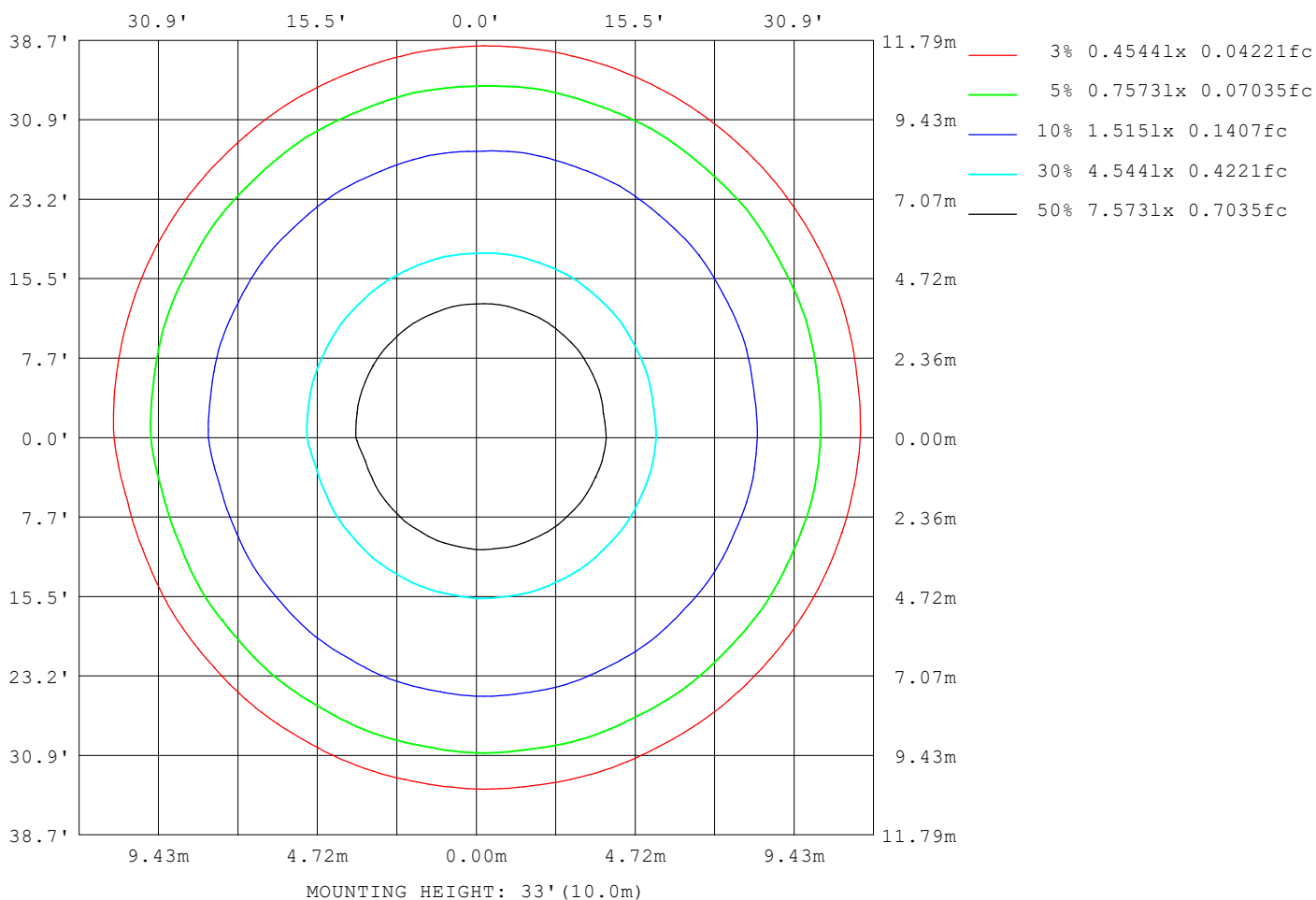
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°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:

ISOLUX DIAGRAM

Test:U:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm		
NAME:	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D40mm	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	65630
L_0~180 (75) av	27803
L_0~180 (85) av	15495
L_90~270 (65) av	64002
L_90~270 (75) av	28029
L_90~270 (85) av	23551
L_45 (65) av	64122
L_45 (75) av	27880
L_45 (85) av	19472

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

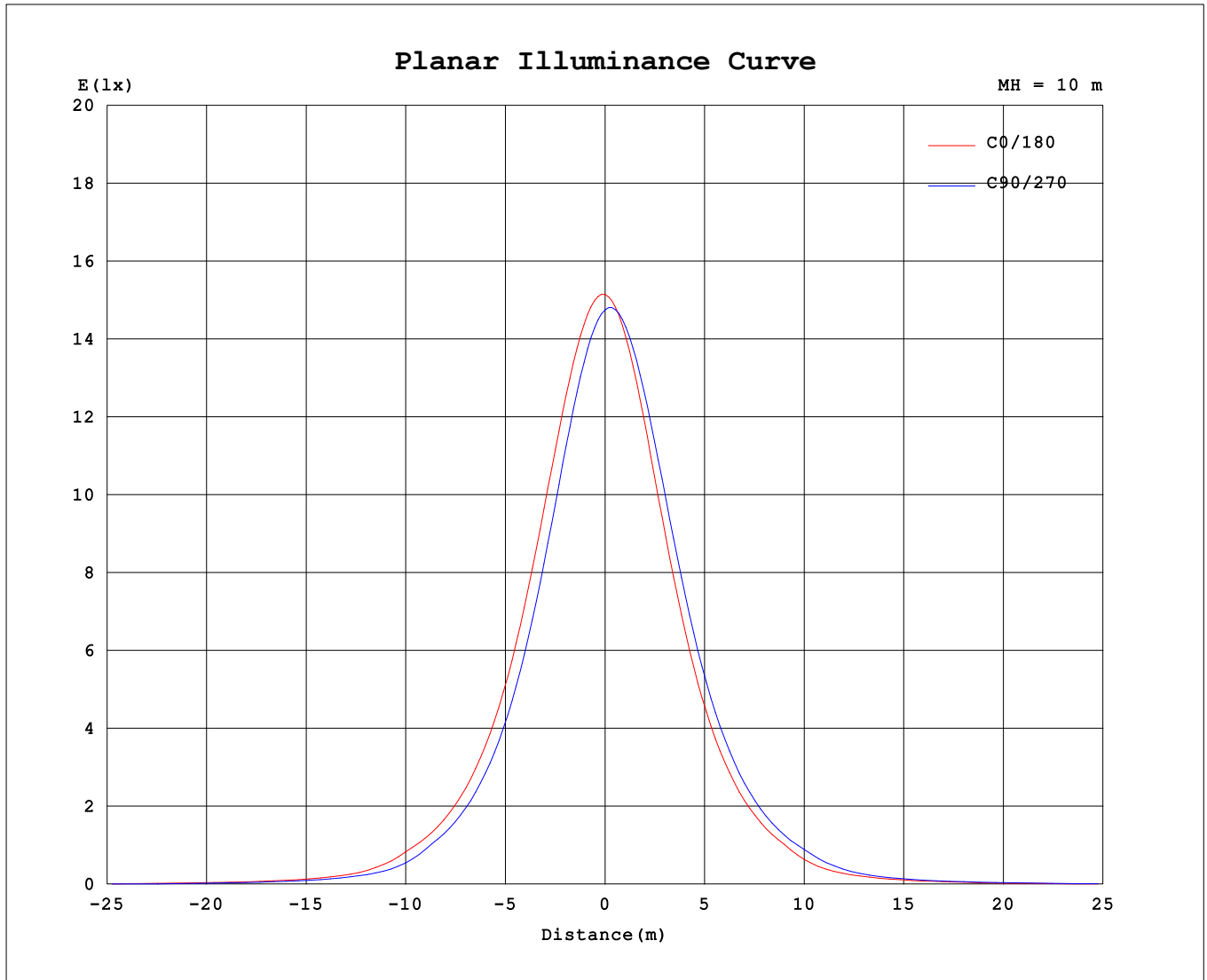
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm																		
NAME:									TYPE: 4000K					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.:									SUR.: D40mm					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	1515	1508	1503	1498	1494	1490	1485	1482	1478	1475	1472	1470	1466	1465	1462	1462	1460	1460	1515
5	1480	1469	1455	1446	1432	1424	1411	1405	1394	1390	1382	1381	1375	1377	1375	1381	1381	1389	1452
10	1360	1346	1326	1313	1292	1279	1260	1251	1235	1229	1217	1216	1210	1215	1213	1222	1225	1239	1304
15	1184	1169	1143	1127	1101	1087	1064	1053	1033	1027	1014	1012	1004	1010	1008	1021	1025	1042	1103
20	978	961	935	919	893	879	856	845	826	820	806	805	798	804	803	815	820	837	892
25	775	760	736	722	699	687	667	657	640	634	622	621	615	620	619	630	635	650	696
30	596	584	564	552	534	523	506	498	484	479	469	468	463	467	466	476	480	493	529
35	449	439	423	414	398	390	377	371	359	356	346	347	341	346	344	352	354	365	393
40	330	324	310	304	292	286	275	271	262	259	252	252	248	250	249	255	257	265	285
45	236	227	212	204	190	183	174	167	160	156	154	151	151	151	152	154	157	163	181
50	136	131	123	118	111	108	103	100	96.7	95.4	93.1	93.1	91.7	92.7	92.3	94.5	95.2	98.3	107
55	86.8	84.3	80.5	78.1	74.7	72.6	69.8	68.4	66.3	65.5	64.1	63.9	63.2	63.8	63.6	64.9	65.4	67.3	72.7
60	60.2	58.6	55.8	54.2	51.6	50.0	47.8	46.7	45.0	44.3	43.1	43.0	42.4	42.9	42.8	43.9	44.3	46.0	50.0
65	39.3	37.9	35.7	34.2	31.8	30.5	28.4	27.4	25.8	25.3	24.2	24.2	23.6	24.2	24.1	25.2	25.6	27.1	30.4
70	19.0	17.4	15.5	14.6	13.0	12.4	11.8	11.5	11.2	11.1	10.9	10.8	10.8	10.9	10.9	11.1	11.2	11.5	12.6
75	9.65	9.37	9.00	8.79	8.50	8.35	8.09	7.88	7.66	7.52	7.38	7.35	7.29	7.35	7.40	7.50	7.55	7.76	8.42
80	6.14	5.87	5.57	5.34	5.09	4.92	4.79	4.63	4.43	4.29	4.15	4.09	4.06	4.11	4.11	4.14	4.19	4.37	4.91
85	2.79	2.54	2.24	2.05	1.53	1.69	1.63	1.48	1.29	1.18	1.04	1.02	0.97	0.90	0.92	1.12	0.78	0.66	0.60
90	0.10	0.04	0.05	0.04	0.04	0.05	0.04	0.05	0.04	0.06	0.04	0.06	0.03	0.06	0.04	0.05	0.04	0.06	0.02
95	0.04	0.08	0.04	0.08	0.04	0.09	0.05	0.11	0.04	0.11	0.05	0.11	0.06	0.12	0.05	0.10	0.06	0.10	0.06
100	0.08	0.15	0.09	0.15	0.11	0.17	0.12	0.19	0.13	0.20	0.15	0.21	0.15	0.20	0.14	0.20	0.14	0.19	0.12
105	0.19	0.25	0.20	0.27	0.22	0.29	0.25	0.32	0.27	0.33	0.28	0.34	0.29	0.34	0.28	0.34	0.27	0.32	0.21
110	0.34	0.40	0.36	0.43	0.40	0.47	0.43	0.49	0.46	0.52	0.48	0.53	0.49	0.53	0.48	0.53	0.46	0.51	0.37
115	0.55	0.62	0.59	0.66	0.63	0.70	0.67	0.75	0.72	0.78	0.74	0.80	0.76	0.80	0.75	0.79	0.72	0.75	0.57
120	0.85	0.92	0.89	0.96	0.94	1.02	1.00	1.07	1.05	1.12	1.09	1.15	1.10	1.15	1.10	1.12	1.06	1.08	0.85
125	1.22	1.29	1.28	1.35	1.35	1.43	1.42	1.49	1.48	1.55	1.52	1.57	1.54	1.57	1.53	1.55	1.49	1.51	1.20
130	1.70	1.76	1.76	1.83	1.83	1.90	1.91	1.99	1.98	2.05	2.03	2.08	2.06	2.08	2.05	2.06	2.00	1.99	1.64
135	2.24	2.30	2.31	2.39	2.41	2.47	2.50	2.56	2.58	2.64	2.64	2.68	2.67	2.68	2.65	2.65	2.60	2.58	2.15
140	2.88	2.94	2.94	3.02	3.04	3.12	3.14	3.21	3.22	3.29	3.29	3.33	3.30	3.33	3.29	3.30	3.24	3.23	2.76
145	3.54	3.60	3.60	3.67	3.69	3.77	3.79	3.86	3.87	3.94	3.94	3.99	3.97	3.99	3.94	3.94	3.89	3.89	3.39
150	4.18	4.24	4.22	4.29	4.29	4.39	4.39	4.48	4.48	4.57	4.55	4.60	4.56	4.59	4.53	4.56	4.49	4.51	4.01
155	4.74	4.81	4.77	4.84	4.82	4.91	4.91	5.00	4.99	5.08	5.05	5.11	5.05	5.09	5.04	5.07	5.02	5.04	4.60
160	5.23	5.28	5.23	5.29	5.26	5.35	5.34	5.44	5.41	5.49	5.45	5.51	5.46	5.50	5.43	5.49	5.44	5.48	5.09
165	5.60	5.65	5.57	5.64	5.58	5.67	5.64	5.73	5.67	5.76	5.70	5.77	5.72	5.78	5.74	5.81	5.74	5.79	5.51
170	5.87	5.92	5.83	5.88	5.82	5.89	5.83	5.90	5.83	5.88	5.83	5.90	5.87	5.96	5.92	5.99	5.92	5.96	5.83
175	6.01	6.06	5.98	6.04	5.97	6.03	5.97	5.99	5.91	5.94	5.92	5.94	5.93	5.98	6.00	5.99	5.97	5.96	6.02
180	6.09	6.09	6.02	6.04	6.03	6.03	6.00	5.99	5.93	5.93	5.93	5.93	5.95	5.95	5.98	5.95	5.93	5.93	6.10

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:230.11V I:0.1109A P:13.968W PF:0.5474 Freq:50.00Hz Lamp Flux:1321.69x1 lm																	
NAME:									TYPE: 4000K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D40mm						Shielding Angle:		

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1508	1503	1498	1494	1490	1485	1482	1478	1475	1472	1470	1466	1465	1462	1462	1460	1460		
5	1451	1456	1456	1461	1462	1465	1466	1468	1467	1467	1464	1463	1458	1455	1449	1445	1436		
10	1308	1321	1327	1341	1346	1358	1361	1370	1370	1375	1371	1372	1364	1361	1350	1343	1329		
15	1112	1130	1140	1159	1168	1186	1192	1206	1209	1218	1215	1217	1208	1205	1191	1184	1166		
20	901	920	930	951	961	980	989	1005	1009	1021	1019	1024	1015	1014	998	990	970		
25	704	722	731	751	761	779	787	803	808	820	819	824	816	814	799	791	772		
30	536	551	559	576	585	601	608	622	626	637	637	642	635	633	620	613	596		
35	399	411	418	431	439	452	458	470	474	483	483	487	481	480	469	464	450		
40	290	300	305	316	321	333	337	348	350	358	357	362	356	356	347	344	332		
45	186	198	205	218	225	238	243	252	254	260	259	262	259	258	252	250	241		
50	110	115	118	125	129	136	140	146	151	154	156	156	155	154	151	147	140		
55	74.0	76.7	78.4	81.6	83.4	86.6	88.2	91.0	92.1	94.2	94.1	95.1	94.0	94.0	91.8	90.9	87.8		
60	51.1	53.2	54.5	56.8	58.1	60.3	61.4	63.1	63.7	65.0	64.8	65.4	64.7	64.7	63.3	62.8	60.8		
65	31.5	33.4	34.5	36.6	37.9	39.8	40.7	42.2	42.7	43.8	43.7	44.2	43.6	43.6	42.5	42.0	40.3		
70	12.7	14.3	15.8	17.8	18.9	20.8	21.6	23.1	23.5	24.6	24.5	25.0	24.4	24.4	23.3	22.8	21.2		
75	8.63	8.98	9.25	9.67	9.94	10.3	10.4	10.6	10.7	10.8	10.8	10.8	10.7	10.6	10.4	10.2	9.83		
80	5.13	5.46	5.74	6.11	6.43	6.79	6.97	7.15	7.23	7.32	7.31	7.31	7.22	7.13	6.91	6.68	6.37		
85	1.27	2.03	2.32	2.27	2.86	3.46	3.70	3.88	3.97	4.09	4.10	4.11	3.56	3.58	3.63	3.38	3.11		
90	0.01	0.02	0.02	0.01	0.02	0.40	0.59	0.76	0.89	1.00	1.04	0.88	0.09	0.41	0.71	0.62	0.36		
95	0.01	0.05	0.01	0.04	0.02	0.03	0.01	0.02	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.02	0.02		
100	0.06	0.10	0.04	0.09	0.03	0.08	0.03	0.07	0.02	0.07	0.01	0.07	0.02	0.07	0.01	0.08	0.02		
105	0.15	0.19	0.13	0.17	0.11	0.16	0.09	0.15	0.09	0.14	0.07	0.13	0.08	0.13	0.08	0.14	0.10		
110	0.29	0.33	0.26	0.30	0.22	0.27	0.21	0.26	0.20	0.24	0.19	0.24	0.18	0.24	0.20	0.25	0.21		
115	0.49	0.52	0.45	0.47	0.41	0.43	0.37	0.41	0.35	0.40	0.34	0.39	0.34	0.39	0.35	0.42	0.38		
120	0.77	0.78	0.70	0.72	0.65	0.67	0.60	0.63	0.58	0.61	0.55	0.60	0.55	0.61	0.57	0.64	0.62		
125	1.11	1.12	1.03	1.04	0.96	0.97	0.90	0.93	0.86	0.89	0.85	0.88	0.84	0.89	0.87	0.93	0.91		
130	1.54	1.53	1.45	1.44	1.36	1.36	1.28	1.30	1.23	1.26	1.21	1.24	1.21	1.26	1.26	1.31	1.30		
135	2.05	2.03	1.94	1.92	1.83	1.82	1.74	1.75	1.69	1.70	1.66	1.69	1.66	1.71	1.70	1.76	1.76		
140	2.65	2.61	2.51	2.48	2.39	2.37	2.28	2.29	2.22	2.23	2.18	2.21	2.17	2.23	2.24	2.29	2.30		
145	3.28	3.23	3.13	3.09	2.99	2.97	2.89	2.88	2.81	2.81	2.77	2.80	2.78	2.83	2.82	2.89	2.91		
150	3.89	3.84	3.74	3.70	3.61	3.60	3.51	3.51	3.44	3.44	3.39	3.42	3.40	3.44	3.43	3.49	3.52		
155	4.47	4.43	4.31	4.29	4.19	4.18	4.10	4.10	4.01	4.04	3.98	4.01	3.97	4.03	4.00	4.08	4.11		
160	4.96	4.95	4.82	4.80	4.71	4.72	4.63	4.65	4.57	4.59	4.53	4.56	4.51	4.56	4.54	4.62	4.63		
165	5.39	5.38	5.28	5.26	5.15	5.16	5.07	5.11	5.01	5.05	4.99	5.03	4.97	5.03	5.00	5.08	5.09		
170	5.72	5.73	5.62	5.63	5.50	5.51	5.39	5.44	5.35	5.41	5.34	5.40	5.35	5.40	5.36	5.44	5.43		
175	5.94	5.99	5.90	5.93	5.79	5.81	5.70	5.74	5.65	5.70	5.66	5.73	5.66	5.72	5.66	5.74	5.69		
180	6.05	6.05	6.02	6.05	6.01	6.01	5.93	5.93	5.91	5.91	5.90	5.92	5.93	5.93	5.90	5.91	5.90		

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: