

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

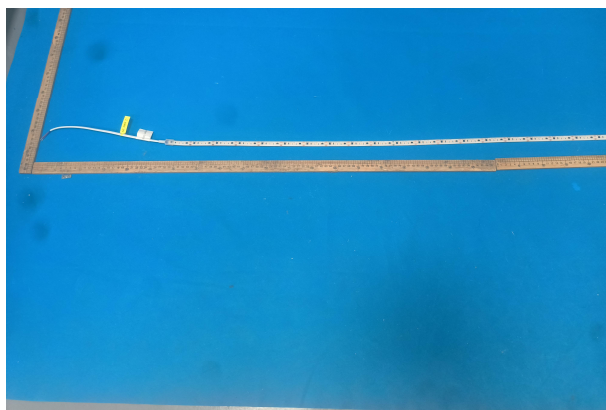
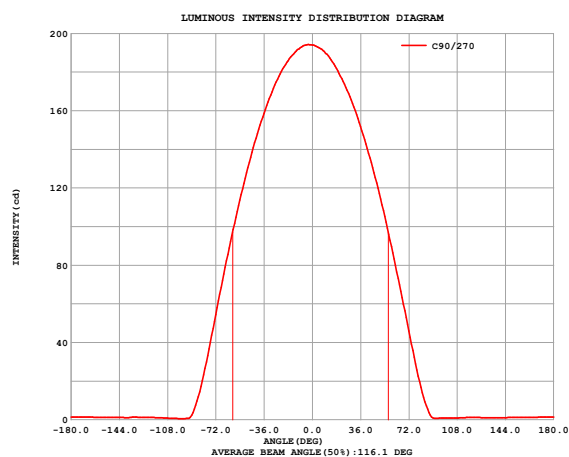
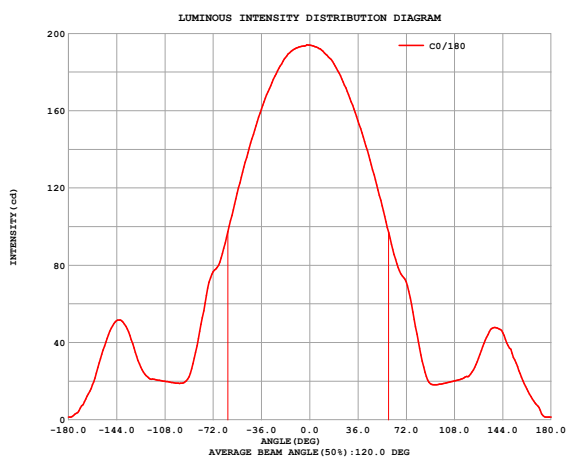
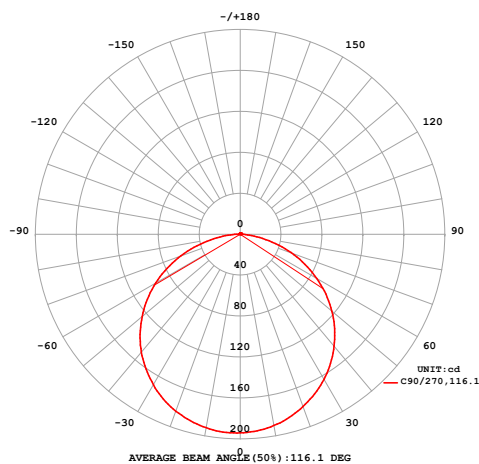
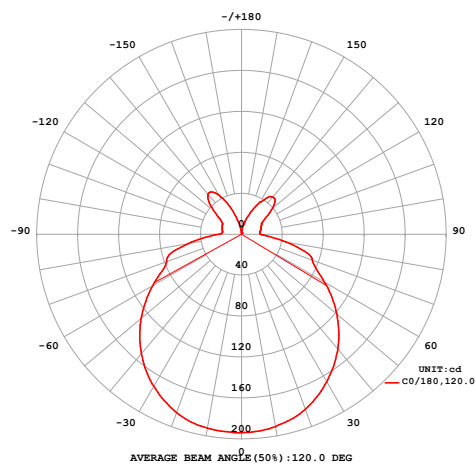


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

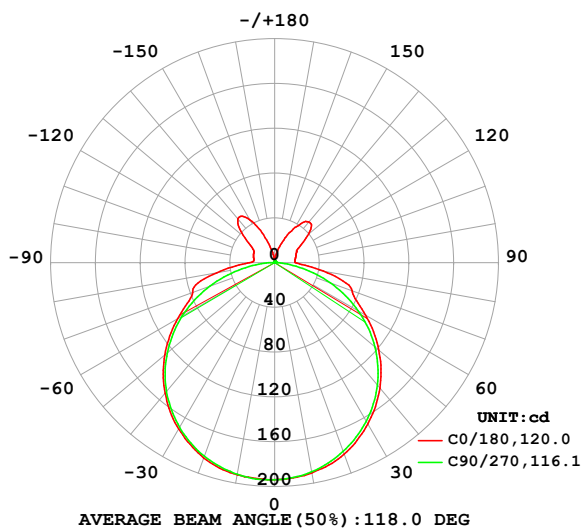
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

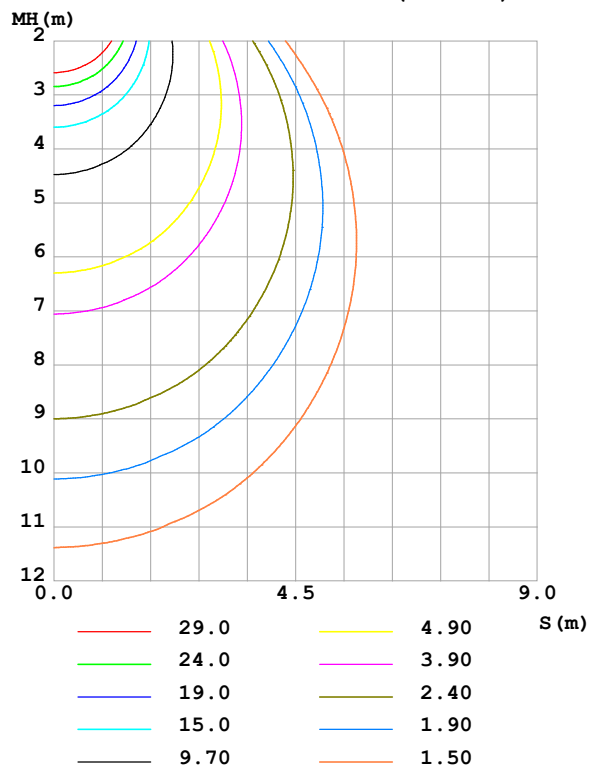
Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 84.93 lm/W			
MODEL	R50-2835HY-120L-2400K	I _{max} (cd)	194.4	S/MH(C0/180)	1.31
NOMINAL POWER(W)	8.47	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	721.84	η UP,DN(C0-180)	7.1,42.0
NOMINAL FLUX(lm)	721.842	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.9,44.1
LAMPS INSIDE	1	η up (%)	13.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	100	η down (%)	86.1	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
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Test Speed: HIGH
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Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
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Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	190.9	189.9	189.7	191.5	192.4	192.9	192.0	191.8	0- 10	18.39	18.39	2.55,2.55
20	182.1	180.6	179.2	182.6	185.5	186.3	183.9	183.8	10- 20	53.09	71.47	9.9,9.9
30	166.4	165.1	163.8	168.7	171.5	173.2	169.8	169.1	20- 30	81.38	152.9	21.2,21.2
40	146.3	144.8	142.7	148.8	152.2	154.6	150.3	149.9	30- 40	99.71	252.6	35,35
50	121.6	120.2	117.0	124.6	128.1	130.6	125.1	125.5	40- 50	105.8	358.4	49.6,49.6
60	93.79	91.32	86.43	96.09	100.1	102.5	95.35	96.95	50- 60	98.57	456.9	63.3,63.3
70	73.64	63.20	52.93	66.35	78.04	71.52	61.53	66.61	60- 70	79.80	536.7	74.4,74.4
80	44.37	37.56	19.60	42.13	52.77	48.00	26.56	41.83	70- 80	57.36	594.1	82.3,82.3
90	18.71	16.23	0.9524	17.80	22.35	19.54	2.447	16.22	80- 90	27.28	621.4	86.1,86.1
100	18.78	16.49	0.9264	16.34	19.05	15.90	0.6519	14.01	90-100	14.51	635.9	88.1,88.1
110	20.43	15.62	1.001	14.41	20.14	15.34	0.9221	13.29	100-110	13.66	649.5	90,90
120	23.59	17.71	1.193	16.06	21.55	15.31	1.183	14.75	110-120	12.77	662.3	91.8,91.8
130	39.60	25.38	1.127	24.51	34.96	24.37	1.318	22.83	120-130	15.32	677.6	93.9,93.9
140	47.49	25.44	1.127	30.23	51.17	31.01	1.146	25.15	130-140	19.01	696.6	96.5,96.5
150	36.49	16.66	1.187	23.99	44.04	24.46	1.238	16.99	140-150	15.50	712.1	98.7,98.7
160	18.62	6.718	1.238	13.38	21.70	13.52	1.299	8.059	150-160	7.376	719.5	99.7,99.7
170	7.133	3.737	1.350	5.202	7.263	4.987	1.387	4.399	160-170	2.063	721.6	100,100
180	1.476	1.447	1.439	1.415	1.481	1.456	1.434	1.420	170-180	0.2587	721.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 305.54 lm

%lum = 42.3%

%lamp = 42.3%

Conical surface Flux(120deg): 456.93 lm

%lum = 63.3%

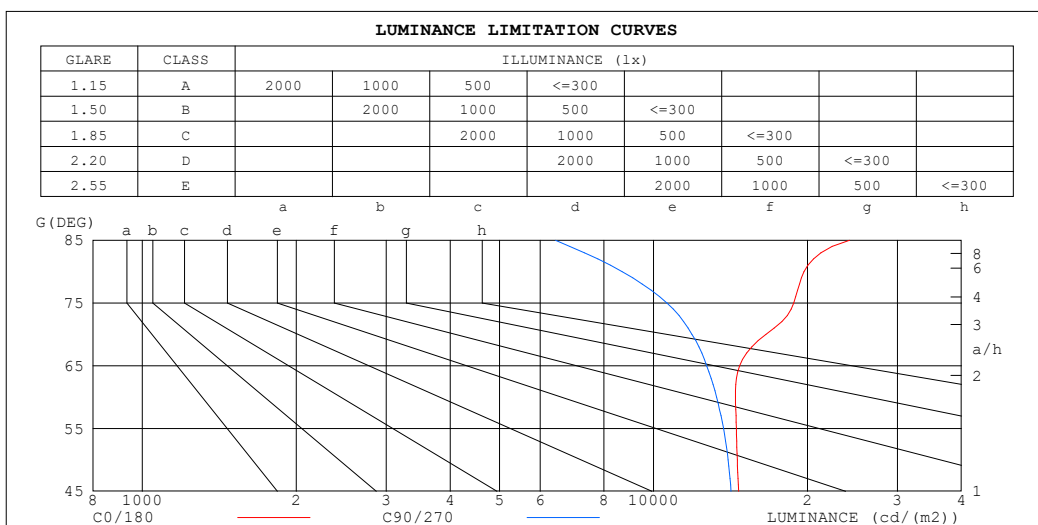
%lamp = 63.3%

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C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	24181	6427
80	19696	8677
75	18798	10630
70	16598	11895
65	14726	12705
60	14460	13287
55	14522	13705
50	14580	13991
45	14664	14183

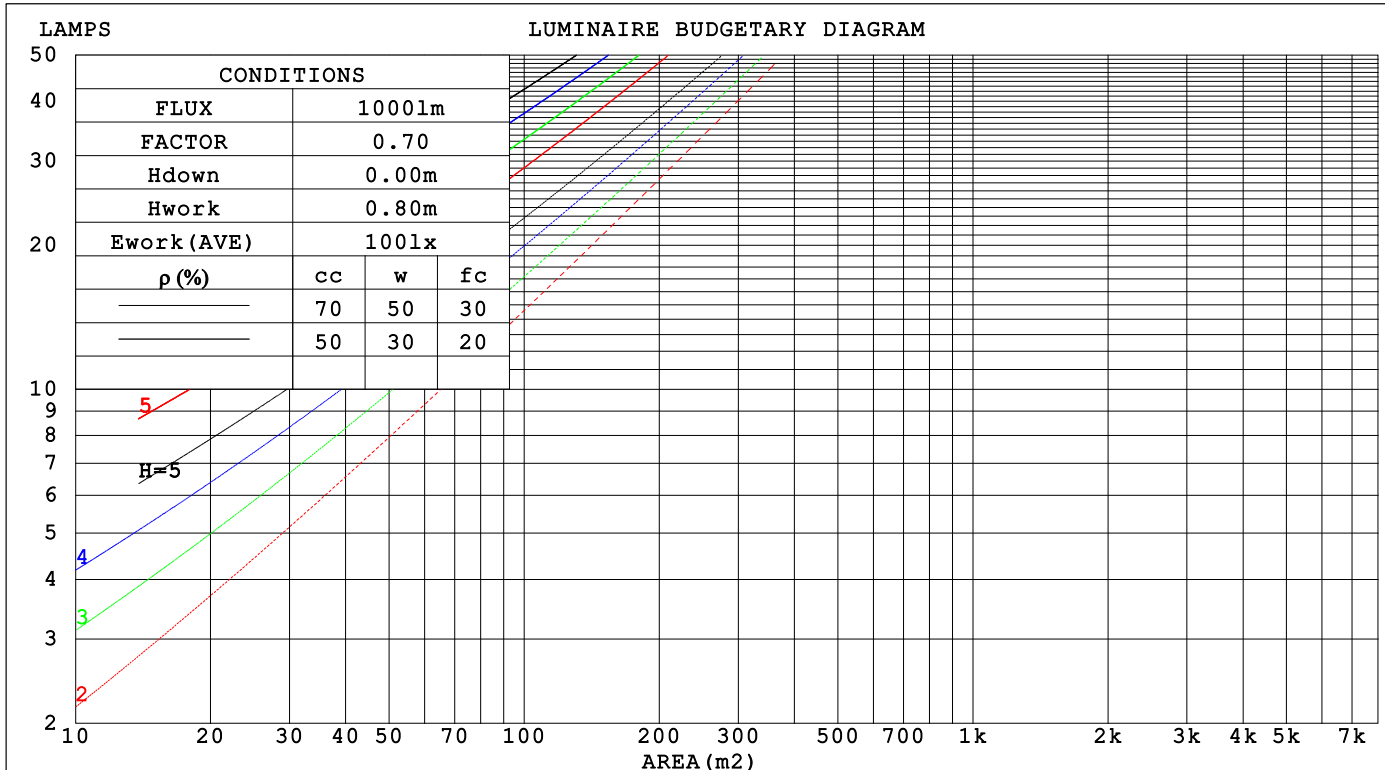
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{fc}	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.16	1.16	1.16	1.11	1.11	1.11	1.03	1.03	1.03	.96	.96	.96	.89	.89	.89	.86														
1.0	.99	.94	.90	.95	.91	.87	.89	.85	.82	.82	.80	.77	.77	.74	.72	.69														
2.0	.86	.78	.72	.83	.76	.70	.77	.71	.67	.71	.67	.63	.66	.63	.60	.57														
3.0	.75	.66	.60	.72	.64	.58	.67	.61	.55	.63	.57	.53	.58	.54	.50	.47														
4.0	.66	.57	.50	.64	.55	.49	.59	.52	.47	.55	.49	.45	.52	.47	.43	.40														
5.0	.59	.50	.43	.57	.48	.42	.53	.46	.40	.50	.43	.38	.46	.41	.37	.34														
6.0	.53	.44	.37	.51	.43	.36	.48	.40	.35	.45	.38	.34	.42	.36	.32	.30														
7.0	.48	.39	.33	.46	.38	.32	.43	.36	.31	.41	.34	.30	.38	.33	.29	.26														
8.0	.43	.35	.29	.42	.34	.28	.40	.32	.27	.37	.31	.26	.35	.30	.25	.23														
9.0	.40	.31	.26	.39	.31	.25	.36	.29	.25	.34	.28	.24	.32	.27	.23	.21														
10.0	.36	.29	.23	.35	.28	.23	.34	.27	.22	.32	.26	.21	.30	.25	.21	.19														



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WEC AND CCEC

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UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	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	.336	.191	.061	.325	.185	.059	.304	.174	.056	.284	.164	.053	.266	.154	.050		
2.0	.305	.167	.051	.295	.163	.050	.276	.153	.048	.258	.145	.045	.242	.137	.043		
3.0	.278	.148	.044	.269	.144	.043	.251	.136	.041	.235	.129	.040	.220	.122	.038		
4.0	.254	.132	.039	.245	.128	.038	.230	.122	.036	.215	.116	.035	.202	.110	.033		
5.0	.233	.119	.034	.225	.116	.034	.211	.110	.032	.198	.104	.031	.186	.099	.030		
6.0	.215	.108	.031	.208	.105	.030	.195	.100	.029	.183	.095	.028	.172	.091	.027		
7.0	.199	.098	.028	.193	.096	.027	.181	.092	.026	.170	.087	.025	.160	.083	.024		
8.0	.186	.091	.025	.180	.089	.025	.169	.085	.024	.159	.081	.023	.150	.077	.022		
9.0	.173	.084	.023	.168	.082	.023	.158	.078	.022	.149	.075	.021	.140	.071	.021		
10.0	.163	.078	.022	.158	.076	.021	.149	.073	.021	.140	.070	.020	.132	.067	.019		

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	.297	.297	.297	.253	.253	.253	.173	.173	.173	.099	.099	.099	.032	.032	.032		
1.0	.289	.263	.239	.247	.226	.206	.169	.155	.142	.097	.090	.083	.031	.029	.027		
2.0	.282	.239	.204	.241	.206	.176	.165	.143	.123	.095	.083	.072	.031	.027	.023		
3.0	.274	.223	.181	.235	.192	.157	.161	.133	.110	.093	.078	.065	.030	.025	.021		
4.0	.267	.210	.166	.229	.181	.145	.157	.126	.102	.091	.074	.060	.029	.024	.020		
5.0	.259	.200	.156	.223	.173	.136	.153	.121	.096	.089	.071	.057	.029	.023	.019		
6.0	.252	.192	.148	.217	.166	.129	.149	.116	.091	.087	.068	.054	.028	.022	.018		
7.0	.245	.185	.143	.211	.160	.124	.146	.112	.088	.085	.066	.052	.027	.022	.017		
8.0	.239	.179	.139	.206	.156	.121	.142	.109	.086	.083	.064	.051	.027	.021	.017		
9.0	.233	.175	.135	.200	.152	.118	.139	.107	.084	.081	.063	.050	.026	.021	.017		
10.0	.227	.170	.133	.196	.148	.116	.136	.104	.082	.079	.062	.049	.026	.020	.016		

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0.2724Lamp Flux:721.842x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: 1000mm*13mm			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		22.4	23.7	22.8	24.2	24.6	22.1	23.5	22.6	23.9	24.4
	3H	24.4	25.6	24.9	26.1	26.6	23.6	24.8	24.1	25.3	25.8
	4H	25.5	26.7	26.0	27.2	27.7	24.1	25.3	24.6	25.8	26.4
	6H	26.5	27.6	27.0	28.1	28.7	24.5	25.6	25.0	26.1	26.7
	8H	26.8	27.9	27.4	28.4	29.0	24.6	25.7	25.1	26.2	26.8
	12H	27.2	28.2	27.7	28.8	29.4	24.6	25.7	25.2	26.2	26.8
4H	2H	22.9	24.1	23.4	24.6	25.2	22.7	23.9	23.2	24.4	25.0
	3H	25.2	26.2	25.7	26.8	27.4	24.4	25.5	25.0	26.0	26.6
	4H	26.5	27.4	27.1	28.0	28.6	25.2	26.1	25.7	26.7	27.3
	6H	27.6	28.4	28.2	29.0	29.7	25.7	26.5	26.3	27.1	27.8
	8H	28.1	28.9	28.7	29.4	30.1	25.8	26.6	26.4	27.2	27.9
	12H	28.5	29.2	29.1	29.8	30.5	25.9	26.6	26.5	27.2	27.9
8H	4H	26.8	27.6	27.4	28.2	28.9	25.7	26.4	26.3	27.0	27.7
	6H	28.1	28.8	28.8	29.4	30.1	26.4	27.1	27.0	27.7	28.4
	8H	28.7	29.3	29.4	29.9	30.7	26.7	27.3	27.3	27.9	28.6
	12H	29.3	29.8	30.0	30.5	31.2	26.9	27.4	27.5	28.0	28.8
12H	4H	26.8	27.5	27.4	28.1	28.8	25.7	26.5	26.4	27.1	27.8
	6H	28.2	28.8	28.8	29.4	30.2	26.6	27.2	27.2	27.8	28.6
	8H	28.9	29.4	29.5	30.0	30.8	26.9	27.5	27.6	28.1	28.9
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.2					+ 0.2 / - 0.4				

CIE Pub.117, 721.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.1)
The luminaire data in the presentation of the associated IES information used by the URG calculation

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Remarks:

UTILIZATION FACTORS TABLE

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SPEC.:	DIM.:	SERIAL No.:
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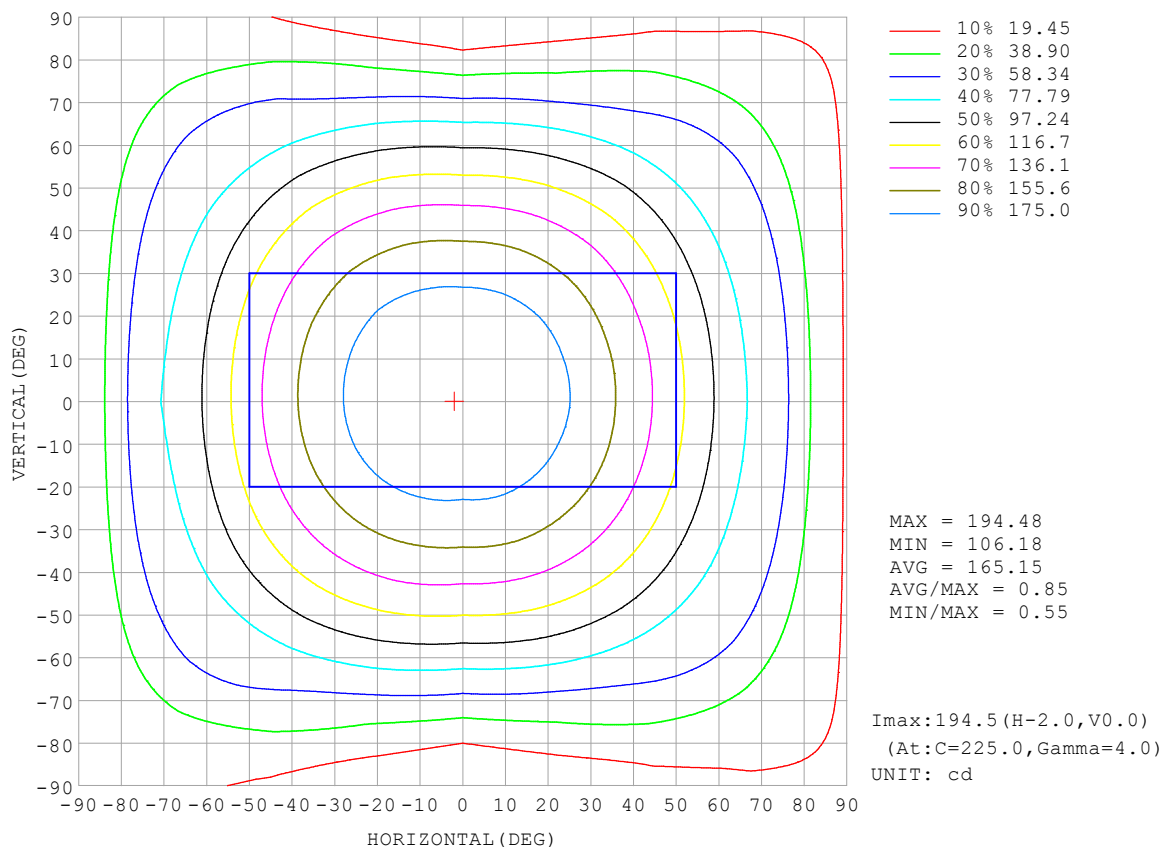
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	39	33	49	38	32	25
0.80	61	49	42	60	48	41	57	47	40	32
1.00	69	58	50	68	56	49	64	57	48	39
1.25	76	65	57	74	64	56	70	61	55	45
1.50	81	71	63	79	69	62	74	66	60	50
2.00	89	79	72	86	77	70	80	73	67	57
2.50	93	84	77	90	82	75	84	77	72	60
3.00	96	88	82	93	86	80	87	81	76	64
4.00	101	94	89	97	91	86	90	86	82	68
5.00	103	98	93	100	95	90	93	89	85	71
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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Remarks:

ISOCANDELA DIAGRAM

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

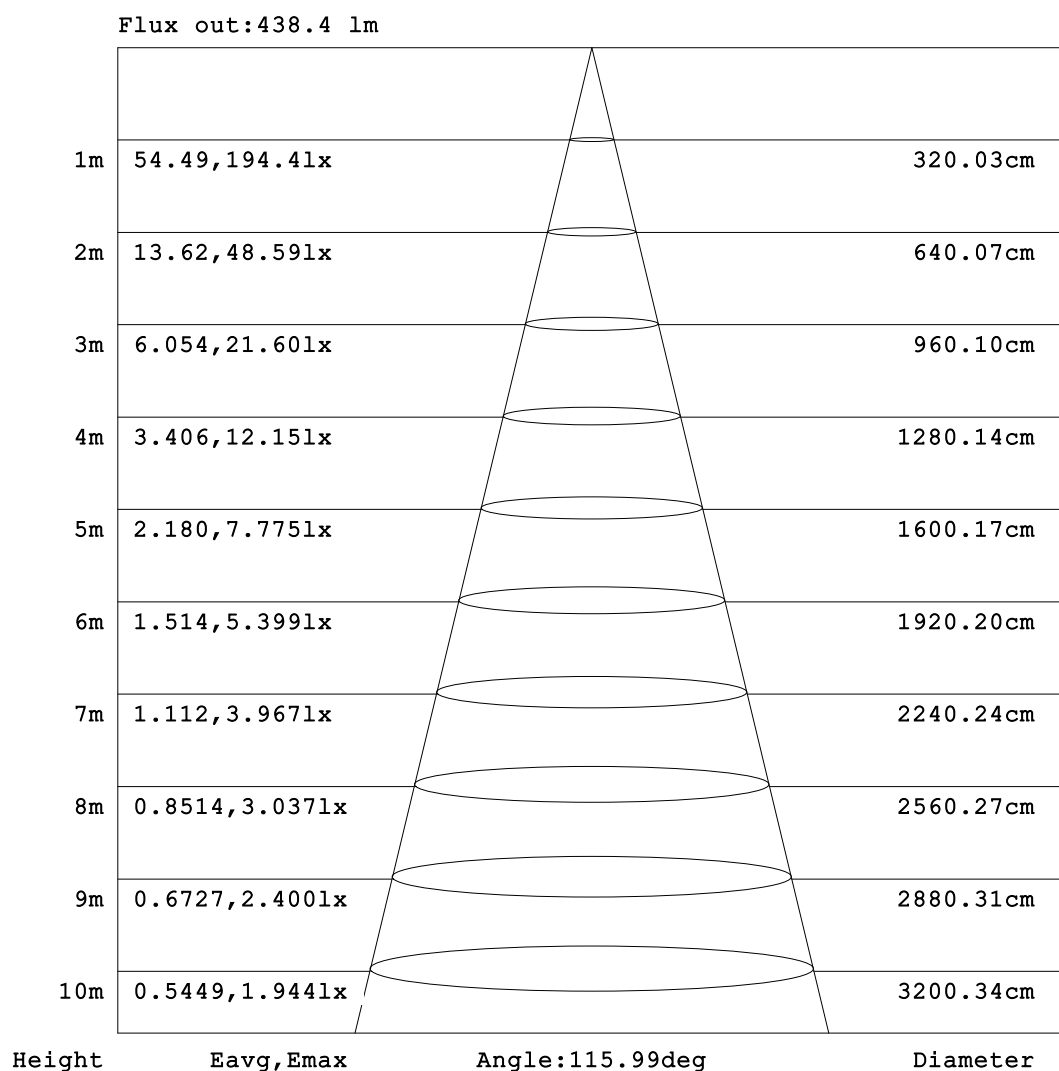


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:



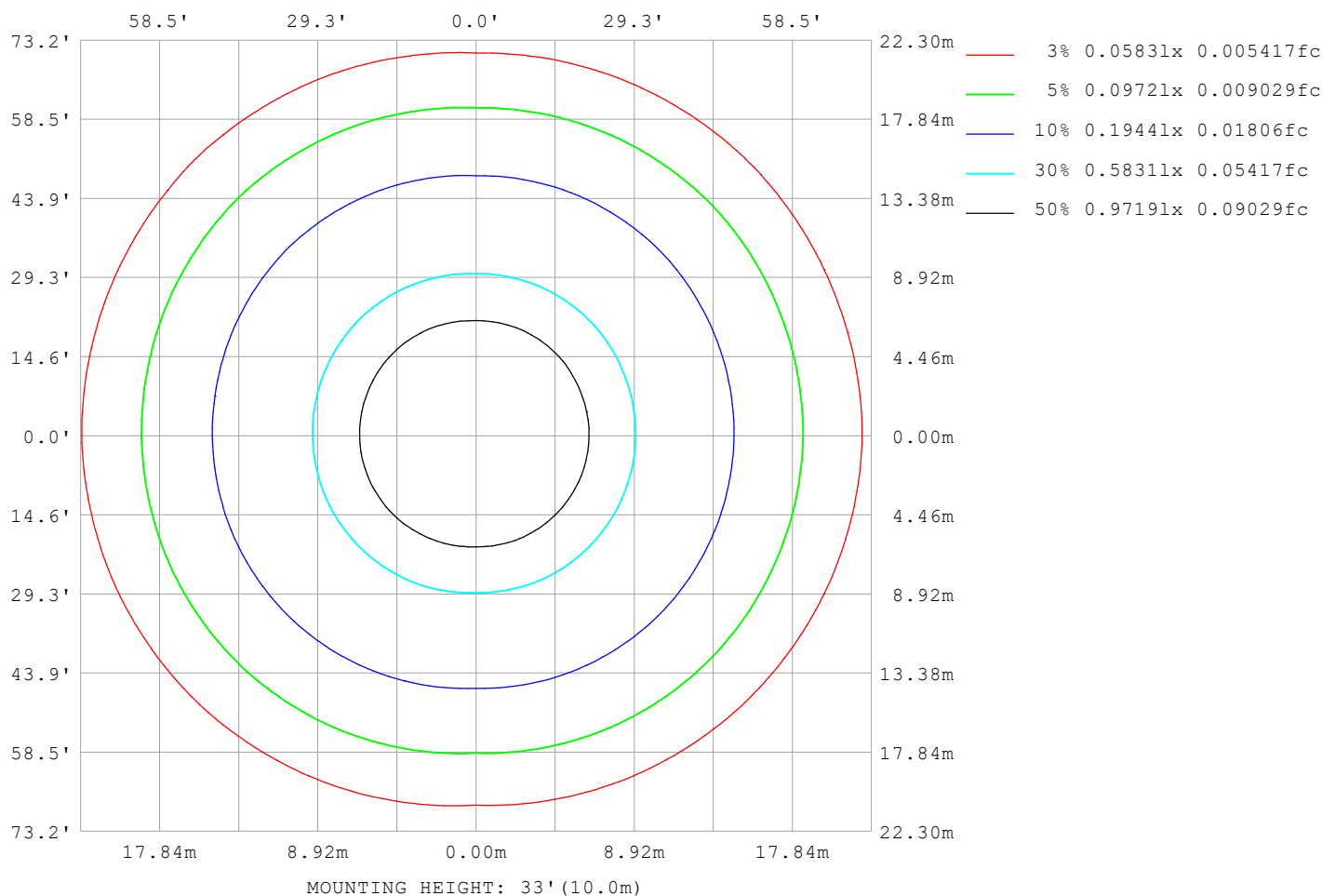
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

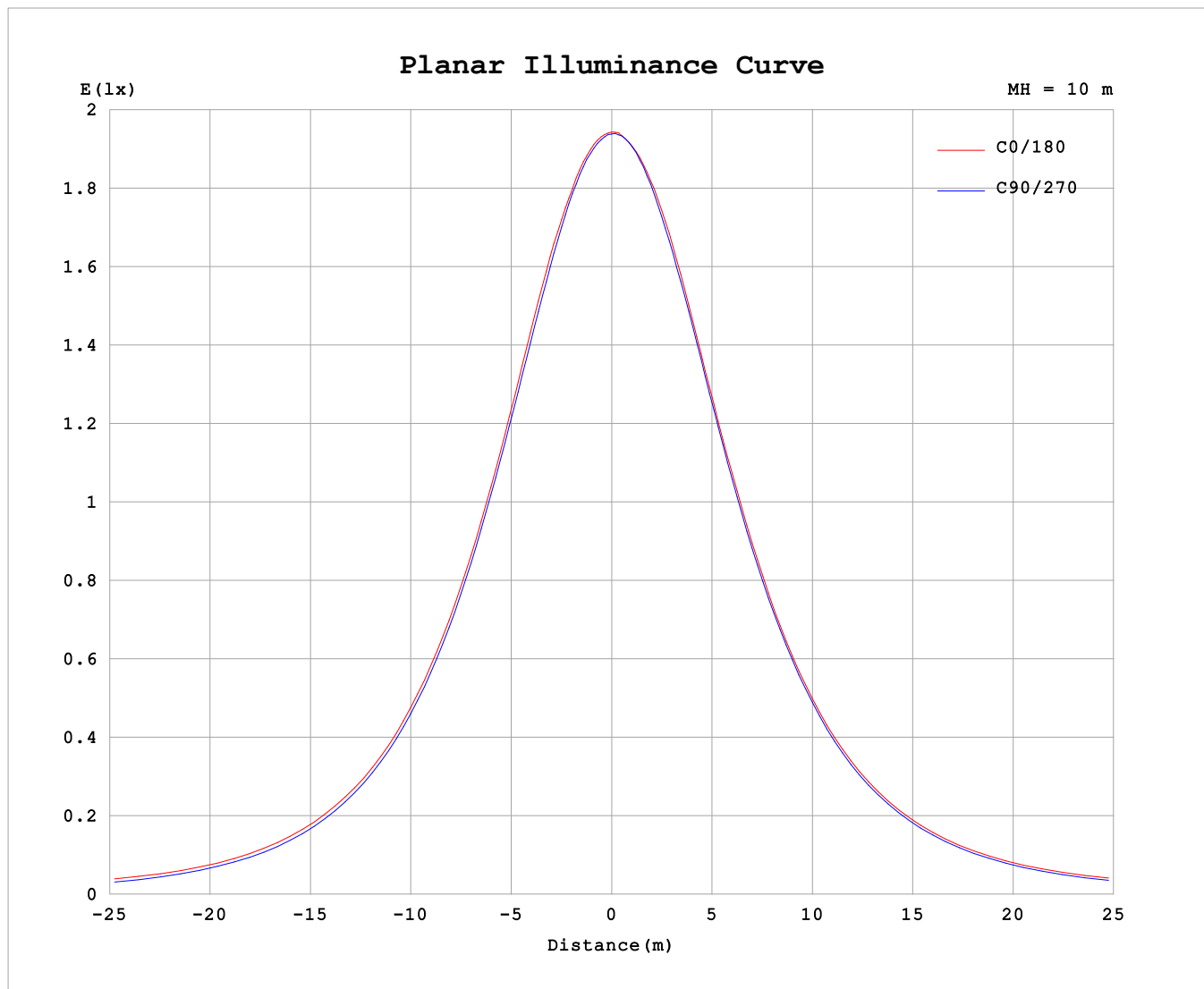
AvgL	cd/m2
L_0~180 (65) av	15189
L_0~180 (75) av	19951
L_0~180 (85) av	27486
L_90~270 (65) av	13539
L_90~270 (75) av	11820
L_90~270 (85) av	8480
L_45 (65) av	14802
L_45 (75) av	16701
L_45 (85) av	23537

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2026-08-31
Stability time: 260 s

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity: 65.0%
Test Distance: 8.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:100.09V I:0.0931A P:8.4992W PF:0.9116 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0.2724 Lamp Flux:721.842x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194			
5	193	193	193	193	193	193	193	193	193	194	194	194	194	194	194	193			
10	191	190	190	190	190	190	191	192	192	192	193	192	192	192	192	191			
15	187	187	186	185	185	186	188	189	190	190	190	190	189	189	188	188			
20	182	182	181	180	179	181	183	185	185	186	186	185	184	184	184	183			
25	175	174	173	173	172	174	176	178	179	180	181	179	178	178	177	176			
30	166	166	165	165	164	166	169	171	171	173	173	172	170	170	169	167			
35	157	157	156	155	154	156	159	161	163	164	165	163	161	161	160	158			
40	146	146	145	144	143	146	149	151	152	154	155	153	150	151	150	148			
45	135	134	133	132	130	135	137	140	141	142	143	142	138	139	138	136			
50	122	121	120	119	117	121	125	127	128	130	131	129	125	126	125	123			
55	108	107	106	105	102	107	111	113	114	116	117	115	111	112	112	109			
60	93.8	92.5	91.3	89.3	86.4	91.6	96.1	98.8	100	102	102	99.5	95.4	96.5	97.0	94.9			
65	80.7	78.8	76.2	73.1	69.9	75.6	80.8	84.2	86.2	86.9	86.9	83.5	78.9	80.5	81.5	80.6			
70	73.6	70.3	63.2	56.9	52.9	59.0	66.3	73.8	78.0	76.0	71.5	66.8	61.5	63.8	66.6	70.9			
75	63.1	60.3	52.6	42.1	35.8	43.4	55.7	66.8	71.1	69.5	60.7	50.5	43.7	47.4	55.8	62.3			
80	44.4	42.5	37.6	28.3	19.6	29.6	42.1	49.7	52.8	52.4	48.0	36.5	26.6	32.8	41.8	44.4			
85	27.3	26.4	22.9	15.7	7.29	16.8	26.7	33.1	34.9	34.8	31.2	21.6	11.9	19.0	25.9	27.2			
90	18.7	18.5	16.2	9.68	0.95	9.95	17.8	21.5	22.4	22.2	19.5	12.0	2.45	9.84	16.2	18.2			
95	18.2	18.2	16.0	9.21	0.84	9.08	16.1	18.6	19.0	18.5	15.9	9.15	0.65	7.32	14.8	17.5			
100	18.8	18.7	16.5	8.81	0.93	7.80	16.3	18.9	19.1	18.5	15.9	8.61	0.65	6.84	14.0	16.5			
105	19.6	19.4	16.7	7.67	0.89	6.94	16.1	19.4	19.6	18.9	16.0	7.30	0.76	6.30	14.1	17.1			
110	20.4	20.0	15.6	7.58	1.00	6.89	14.4	19.5	20.1	19.3	15.3	6.90	0.92	5.50	13.3	17.4			
115	21.7	20.5	15.4	7.07	1.16	6.54	14.0	19.7	20.7	19.6	13.5	6.84	1.09	5.54	12.6	18.2			
120	23.6	22.2	17.7	8.22	1.19	8.12	16.1	19.2	21.6	19.3	15.3	7.51	1.18	5.69	14.7	18.5			
125	30.1	27.4	21.1	9.96	1.16	9.53	19.9	23.3	25.9	22.9	19.1	9.80	1.25	8.00	18.0	22.3			
130	39.6	34.7	25.4	10.3	1.13	10.3	24.5	31.0	35.0	30.6	24.4	11.4	1.32	9.28	22.8	30.2			
135	46.7	39.4	28.0	9.40	1.08	11.3	28.6	39.2	45.5	38.6	29.0	11.5	1.29	9.66	24.7	37.7			
140	47.5	38.0	25.4	8.88	1.13	12.0	30.2	44.6	51.2	43.2	31.0	12.4	1.15	9.52	25.2	39.6			
145	43.7	38.0	21.4	7.92	1.16	12.0	28.8	43.9	50.6	43.0	29.1	12.1	1.21	8.40	21.0	38.3			
150	36.5	32.4	16.7	5.48	1.19	9.92	24.0	38.1	44.0	38.1	24.5	10.0	1.24	6.44	17.0	31.0			
155	27.6	21.1	11.2	4.32	1.21	7.35	17.6	29.3	33.8	29.3	18.8	7.15	1.27	4.82	12.7	20.9			
160	18.6	13.5	6.72	4.04	1.24	5.60	13.4	18.6	21.7	19.4	13.5	5.06	1.30	4.27	8.06	13.1			
165	12.1	6.82	4.87	2.83	1.28	3.96	8.11	12.3	13.3	12.6	8.48	3.70	1.34	3.52	5.54	6.99			
170	7.13	3.81	3.74	1.93	1.35	2.39	5.20	6.82	7.26	6.87	4.99	2.23	1.39	1.99	4.40	4.08			
175	1.54	1.93	1.87	1.58	1.40	1.40	2.12	2.84	2.85	2.72	2.07	1.56	1.41	1.45	1.89	2.29			
180	1.48	1.47	1.45	1.56	1.44	1.40	1.42	1.42	1.48	1.47	1.46	1.56	1.43	1.40	1.42	1.42			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0
3.0	193.5	193.4	193.2	193.4	193.3	193.7	193.6	193.7	193.7	193.9
6.0	192.7	192.2	192.2	192.2	192.1	192.7	192.7	193.2	193.3	193.7
9.0	191.3	190.7	190.7	190.4	190.6	191.1	192.0	192.5	192.6	192.7
12.0	189.2	189.1	188.7	187.8	188.3	188.8	190.4	191.0	191.7	191.6
15.0	187.2	187.0	186.2	185.3	185.3	186.1	188.0	189.3	190.0	190.4
18.0	184.4	184.0	183.1	182.2	181.8	183.1	184.9	186.9	187.6	188.3
21.0	180.7	180.1	179.3	178.8	177.9	179.7	181.6	183.6	184.2	185.3
24.0	176.4	175.8	175.1	174.5	173.7	175.6	177.8	179.8	180.5	181.6
27.0	171.7	170.7	170.3	169.9	168.9	171.1	173.6	175.3	176.2	177.4
30.0	166.4	166.0	165.1	164.6	163.8	166.0	168.7	170.6	171.5	172.7
33.0	160.9	160.5	159.6	159.1	158.0	160.3	163.2	165.2	166.5	167.6
36.0	154.9	154.6	153.6	153.1	151.8	154.6	157.3	159.3	160.8	162.2
39.0	148.5	147.8	147.1	146.7	145.0	148.5	150.9	153.2	154.3	156.2
42.0	141.8	140.9	140.2	139.5	138.0	141.8	144.5	146.5	147.8	149.6
45.0	134.5	133.7	133.0	132.3	130.5	134.6	137.3	139.5	140.7	142.5
48.0	126.8	126.1	125.5	124.3	122.6	126.8	129.7	131.9	133.4	135.0
51.0	118.9	118.2	117.4	116.1	114.2	118.4	121.9	124.2	125.4	127.0
54.0	110.8	109.8	109.0	107.4	105.3	109.8	113.7	116.1	117.2	119.0
57.0	102.4	101.3	100.3	98.60	96.03	100.8	105.0	107.5	108.7	110.5
60.0	93.79	92.53	91.32	89.33	86.43	91.61	96.09	98.81	100.1	101.8
63.0	85.51	83.96	82.24	79.63	76.53	82.15	86.96	89.94	91.61	92.85
66.0	78.76	76.61	73.21	69.83	66.52	72.31	77.74	81.50	83.78	84.02
69.0	74.47	71.55	65.33	60.03	56.39	62.32	68.94	75.11	78.80	77.40
72.0	71.45	67.57	59.31	50.54	46.06	52.53	61.81	71.62	76.67	74.17
75.0	63.11	60.29	52.57	42.15	35.79	43.44	55.72	66.83	71.15	69.53
78.0	52.02	49.73	44.09	33.85	25.72	35.04	48.51	57.36	60.32	60.12
81.0	40.67	38.99	34.40	25.63	16.77	26.92	38.89	46.28	49.42	48.89
84.0	30.33	29.17	25.46	17.97	9.322	19.10	29.21	36.14	38.31	38.15
87.0	22.37	21.81	19.08	12.23	3.740	13.25	22.33	27.60	29.02	29.09
90.0	18.71	18.47	16.23	9.676	0.9524	9.954	17.80	21.47	22.35	22.21
93.0	18.08	18.00	15.82	9.117	0.8053	9.164	16.32	19.14	19.62	19.22
96.0	18.31	18.26	16.05	9.275	0.8565	9.056	16.13	18.60	18.90	18.39
99.0	18.64	18.56	16.38	9.003	0.9124	8.240	16.29	18.75	18.96	18.40
102.0	19.09	18.99	16.67	8.270	0.9313	7.336	16.42	19.10	19.27	18.65
105.0	19.58	19.42	16.67	7.670	0.8894	6.943	16.13	19.41	19.58	18.92
108.0	20.09	19.82	16.55	7.572	0.9264	6.789	15.57	19.60	19.94	19.19
111.0	20.61	20.13	15.32	7.586	1.029	6.863	14.06	19.56	20.28	19.28
114.0	21.30	20.55	14.93	7.162	1.140	6.533	13.75	19.78	20.63	19.51
117.0	22.51	20.60	15.84	7.096	1.187	6.944	14.56	18.97	21.11	19.03
120.0	23.59	22.23	17.71	8.222	1.193	8.122	16.06	19.20	21.55	19.35
123.0	27.05	25.06	19.93	9.435	1.187	9.126	17.95	21.10	23.82	20.87
126.0	31.88	29.08	22.08	10.16	1.150	9.728	20.86	24.52	27.32	24.24
129.0	37.80	33.53	24.92	10.30	1.127	10.14	23.78	29.18	32.82	28.83
132.0	42.72	36.83	26.82	9.921	1.104	10.29	26.29	34.44	39.37	34.28
135.0	46.75	39.43	28.02	9.396	1.080	11.33	28.58	39.18	45.49	38.61
138.0	47.76	38.31	26.65	8.908	1.113	11.44	30.05	42.99	49.50	41.89
141.0	47.19	38.02	24.57	8.935	1.131	12.12	29.99	44.82	51.54	43.47
144.0	45.00	38.19	22.31	8.384	1.155	12.22	29.22	44.28	51.24	43.56
147.0	39.83	37.15	19.23	6.904	1.169	11.46	27.19	41.99	48.71	41.75
150.0	36.49	32.44	16.66	5.484	1.187	9.922	23.99	38.12	44.04	38.06
153.0	31.01	24.73	13.15	4.603	1.197	8.229	19.89	33.22	38.12	33.13
156.0	25.51	19.63	10.24	4.260	1.211	6.972	16.87	27.26	31.60	27.43
159.0	20.22	14.98	7.634	4.129	1.229	5.924	14.36	20.24	24.17	20.97
162.0	16.01	10.47	5.406	3.599	1.248	4.912	11.16	16.11	18.08	16.98
165.0	12.08	6.822	4.867	2.834	1.280	3.964	8.107	12.29	13.31	12.64
168.0	8.865	4.472	4.378	1.944	1.317	2.930	6.364	8.449	9.369	8.862
171.0	6.320	3.477	3.228	1.897	1.369	2.168	4.601	6.076	6.111	5.924
174.0	2.227	2.430	2.016	1.637	1.397	1.462	2.587	3.731	3.368	3.471
177.0	1.453	1.637	1.508	1.521	1.411	1.392	1.448	1.655	1.808	1.659
180.0	1.476	1.466	1.447	1.563	1.439	1.397	1.415	1.418	1.481	1.466
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	194.0	194.0	194.0	194.0	194.0	194.0				
3.0	194.4	194.0	194.2	193.9	194.0	193.4				
6.0	194.2	193.5	193.7	193.4	192.9	192.9				
9.0	193.4	192.6	192.6	192.5	192.3	191.6				
12.0	191.8	191.5	190.7	190.8	190.5	190.0				
15.0	190.2	189.7	188.6	188.6	188.5	187.8				
18.0	188.1	186.9	185.9	185.7	185.9	185.1				
21.0	185.4	183.8	182.9	183.2	182.7	181.5				
24.0	182.0	180.2	179.1	178.9	178.8	177.4				
27.0	177.9	176.1	174.8	174.9	174.3	172.5				
30.0	173.2	171.8	169.8	170.2	169.1	167.4				

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

Photometric Data Table [cd]

33.0	168.0	166.9	164.4	164.9	164.0	161.7
36.0	162.6	161.1	158.7	159.1	158.2	156.2
39.0	156.6	155.0	152.6	152.8	152.1	149.9
42.0	150.3	148.5	145.7	146.1	145.4	143.1
45.0	143.4	141.5	138.4	139.0	138.4	135.8
48.0	135.8	134.1	130.5	131.4	130.7	128.2
51.0	127.9	126.1	122.3	123.3	122.8	120.3
54.0	119.8	117.7	113.7	114.8	114.4	112.3
57.0	111.4	108.8	104.8	105.8	105.9	103.7
60.0	102.5	99.53	95.35	96.48	96.95	94.87
63.0	93.24	89.98	85.63	86.99	87.76	86.18
66.0	83.56	80.18	75.42	77.18	78.33	78.14
69.0	74.42	70.22	65.06	67.14	69.34	72.37
72.0	66.52	60.15	54.51	57.00	61.94	68.68
75.0	60.73	50.52	43.75	47.39	55.76	62.31
78.0	53.99	41.79	33.25	38.47	48.21	51.83
81.0	44.53	33.74	23.36	30.05	38.51	40.67
84.0	34.10	24.68	14.47	21.59	28.87	30.32
87.0	25.77	17.00	7.486	14.46	20.76	22.20
90.0	19.54	11.96	2.447	9.843	16.22	18.25
93.0	16.50	9.613	0.6982	8.189	15.02	17.44
96.0	15.79	9.098	0.6378	7.233	14.73	17.54
99.0	15.83	8.977	0.6381	6.880	13.97	17.03
102.0	15.99	8.010	0.7031	6.693	14.17	16.71
105.0	16.01	7.295	0.7590	6.296	14.09	17.13
108.0	15.60	6.917	0.8522	5.542	13.93	17.44
111.0	14.81	6.880	0.9593	5.522	12.65	17.60
114.0	13.52	6.926	1.057	5.631	12.42	18.08
117.0	13.65	6.666	1.141	5.282	13.41	17.56
120.0	15.31	7.515	1.183	5.690	14.75	18.54
123.0	17.47	8.856	1.225	7.194	16.76	20.83
126.0	19.99	10.28	1.262	8.467	18.72	23.65
129.0	23.14	11.18	1.304	9.380	22.01	28.29
132.0	26.09	11.65	1.336	9.856	23.77	33.21
135.0	28.96	11.55	1.289	9.659	24.66	37.73
138.0	30.31	12.09	1.132	9.611	25.72	39.32
141.0	30.71	12.63	1.164	9.550	24.74	39.08
144.0	29.69	12.33	1.197	8.850	22.20	38.42
147.0	27.78	11.37	1.215	7.686	18.81	36.51
150.0	24.46	10.05	1.238	6.437	16.99	31.03
153.0	20.68	8.415	1.243	5.408	13.98	25.19
156.0	17.78	6.596	1.276	4.649	11.66	18.64
159.0	14.65	5.414	1.299	4.293	9.046	13.95
162.0	11.33	4.597	1.318	4.149	6.576	10.42
165.0	8.477	3.697	1.341	3.517	5.539	6.993
168.0	6.137	2.678	1.369	2.433	5.132	4.939
171.0	4.382	2.016	1.392	1.827	3.905	3.756
174.0	2.524	1.629	1.411	1.505	2.219	2.940
177.0	1.493	1.558	1.429	1.374	1.489	1.553
180.0	1.456	1.563	1.434	1.402	1.420	1.418

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:260 s

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks: