

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

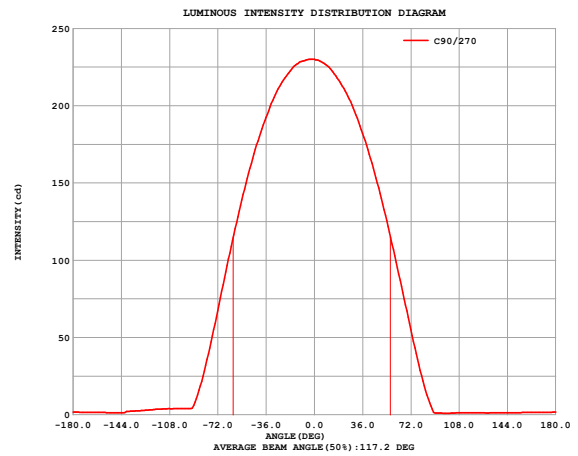
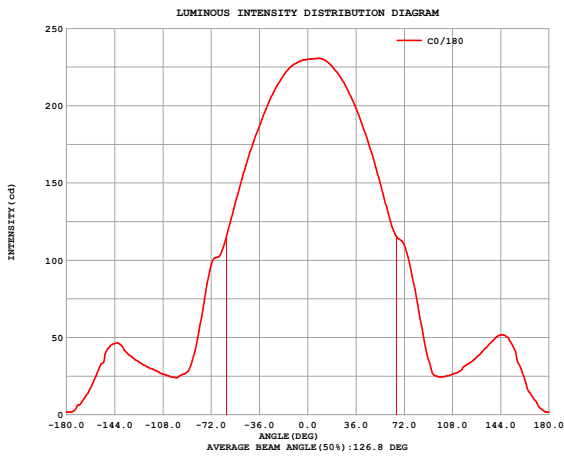
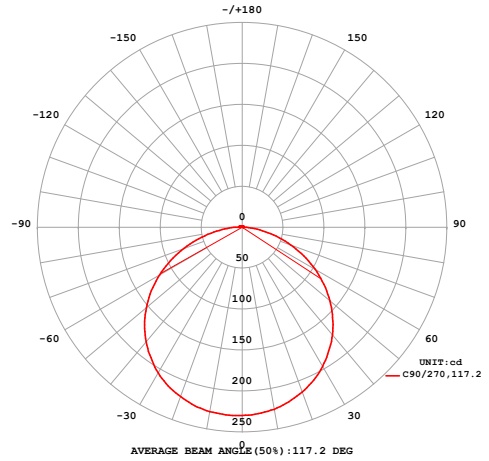
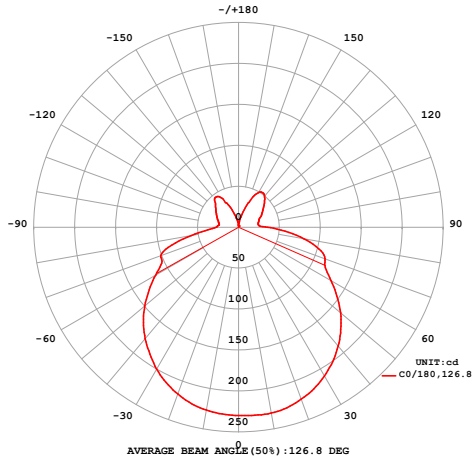


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 s

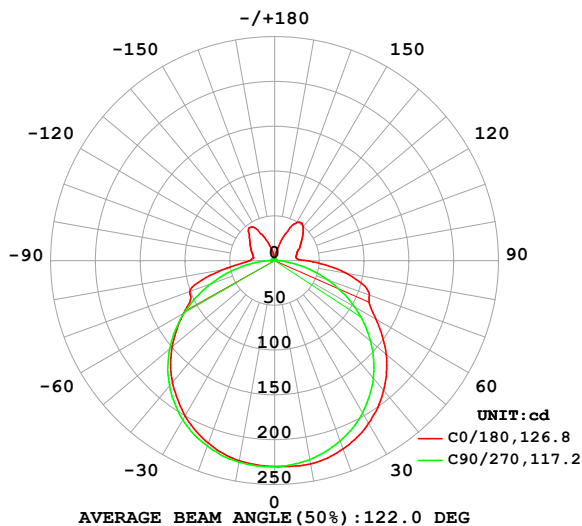
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

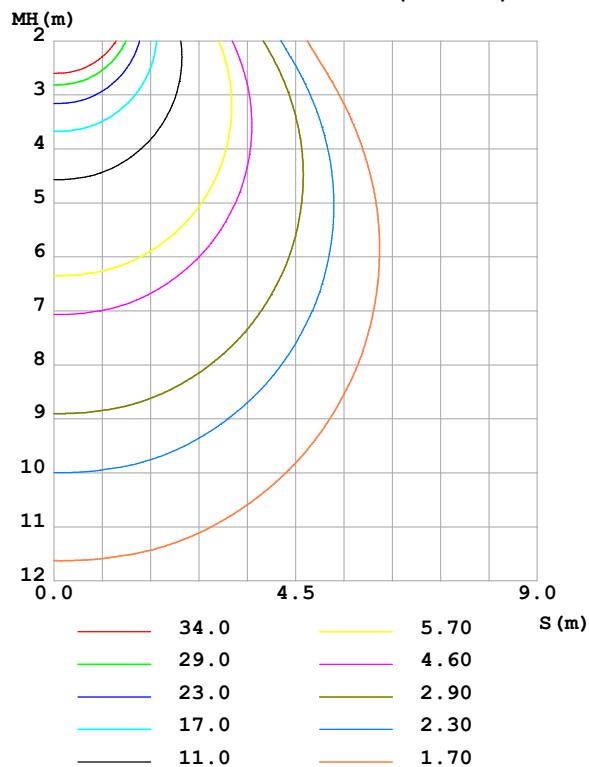
Test:U:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.67 lm/W			
MODEL	R50-2835HY-120L-5000K	I _{max} (cd)	230.7	S/MH(C0/180)	1.29
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	898.55	η UP,DN(C0-180)	6.9,42.2
NOMINAL FLUX(lm)	898.545	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.1,43.8
LAMPS INSIDE	1	η up (%)	14.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	99.99	η down (%)	86.0	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2026-09-03
Stability time: 620 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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	230.4	227.5	225.7	225.1	226.9	227.2	228.6	229.7	0- 10	21.84	21.84	2.43,2.43
20	223.6	219.6	214.1	215.1	216.9	219.4	220.2	224.3	10- 20	63.38	85.22	9.48,9.48
30	209.9	204.7	196.4	197.5	200.2	203.6	205.3	210.8	20- 30	97.93	183.1	20.4,20.4
40	189.4	182.8	171.6	173.9	177.5	181.4	182.6	190.5	30- 40	121.0	304.2	33.9,33.9
50	162.7	154.4	139.9	144.1	149.4	152.6	153.0	163.4	40- 50	129.4	433.6	48.3,48.3
60	130.7	120.7	102.9	109.9	117.2	118.9	116.6	129.5	50- 60	121.5	555.1	61.8,61.8
70	112.5	87.95	63.10	77.43	101.0	84.33	75.80	95.14	60- 70	100.9	656.0	73,73
80	81.12	60.77	25.20	48.74	58.98	56.40	35.63	68.49	70- 80	76.79	732.8	81.5,81.5
90	35.79	26.58	1.067	22.15	27.59	25.43	6.104	32.01	80- 90	40.13	772.9	86,86
100	24.55	20.11	0.9958	19.20	24.27	21.32	3.969	22.33	90-100	20.44	793.3	88.3,88.3
110	26.81	20.41	1.414	20.65	27.10	22.46	3.913	22.44	100-110	18.78	812.1	90.4,90.4
120	33.08	24.38	1.391	21.00	31.27	22.04	3.382	24.55	110-120	18.97	831.1	92.5,92.5
130	40.66	28.96	1.238	26.08	36.64	28.21	2.661	31.54	120-130	19.88	851.0	94.7,94.7
140	49.62	29.33	1.363	30.26	45.66	31.76	2.092	33.76	130-140	20.24	871.2	97,97
150	48.96	21.84	1.424	23.70	41.12	22.72	1.401	20.89	140-150	16.51	887.7	98.8,98.8
160	27.54	9.478	1.484	11.97	20.87	11.68	1.489	7.681	150-160	8.231	895.9	99.7,99.7
170	8.941	5.892	1.591	6.332	6.398	6.380	1.596	5.491	160-170	2.285	898.2	100,100
180	1.751	1.688	1.675	1.660	1.751	1.688	1.680	1.655	170-180	0.3132	898.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 368.83 lm

%lum = 41.0%

%lamp = 41.0%

Conical surface Flux(120deg): 555.1 lm

%lum = 61.8%

%lamp = 61.8%

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Operators:DAMIN
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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:

LUMINANCE LIMITATION CURVES

Test:U:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz

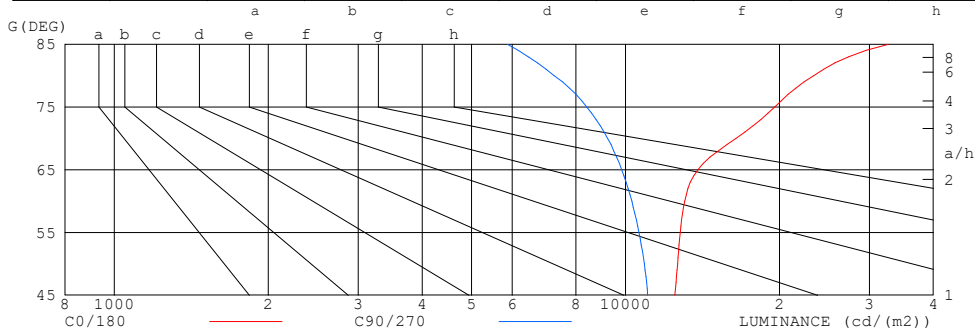
UTHDi:0.00% ITHDi:0.00% KDisp:0

Lamp Flux:898.545x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	32670	5877
80	23340	7254
75	19581	8396
70	16437	9223
65	13851	9833
60	13057	10286
55	12788	10625
50	12644	10881
45	12489	11050

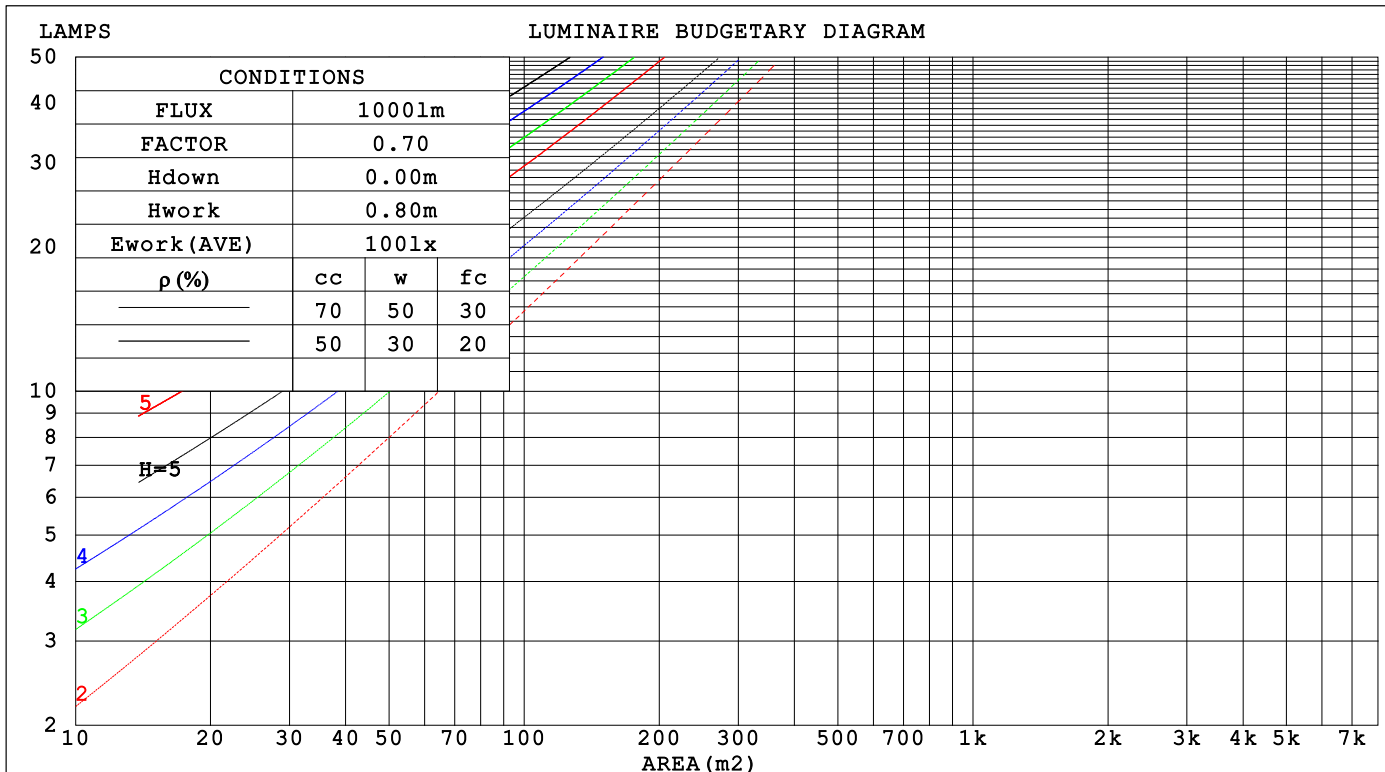
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	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	1.16	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	.89	.95	.91	.87	.88	.85	.81	.82	.79	.76	.76	.74	.72	.69														
2.0	.85	.78	.71	.82	.75	.69	.76	.70	.66	.71	.66	.62	.66	.62	.59	.56														
3.0	.74	.65	.59	.71	.63	.57	.66	.60	.54	.62	.56	.52	.57	.53	.49	.46														
4.0	.65	.56	.49	.63	.55	.48	.59	.51	.46	.55	.49	.44	.51	.46	.42	.39														
5.0	.58	.49	.42	.56	.47	.41	.52	.45	.39	.49	.43	.38	.46	.40	.36	.33														
6.0	.52	.43	.36	.50	.42	.36	.47	.40	.34	.44	.38	.33	.41	.36	.31	.29														
7.0	.47	.38	.32	.45	.37	.31	.43	.35	.30	.40	.34	.29	.38	.32	.28	.25														
8.0	.43	.34	.28	.41	.33	.28	.39	.32	.27	.37	.30	.26	.34	.29	.25	.23														
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.26	.22	.20														
10.0	.36	.28	.23	.35	.27	.22	.33	.26	.22	.31	.25	.21	.29	.24	.20	.18														



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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
 Humidity:65.0%
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 Remarks:

WEC AND CCEC

Test:U:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	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	.347	.197	.063	.336	.192	.061	.314	.180	.058	.295	.170	.055	.277	.160	.052		
2.0	.312	.171	.052	.302	.166	.051	.283	.157	.049	.265	.149	.047	.249	.141	.044		
3.0	.282	.150	.045	.273	.146	.044	.256	.139	.042	.240	.131	.040	.225	.125	.039		
4.0	.257	.134	.039	.249	.130	.038	.233	.124	.037	.219	.117	.035	.205	.111	.034		
5.0	.235	.120	.035	.228	.117	.034	.214	.111	.033	.201	.106	.031	.188	.101	.030		
6.0	.217	.109	.031	.210	.106	.031	.197	.101	.029	.185	.096	.028	.174	.092	.027		
7.0	.201	.099	.028	.195	.097	.028	.183	.092	.027	.172	.088	.026	.162	.084	.025		
8.0	.187	.091	.026	.181	.089	.025	.170	.085	.024	.160	.081	.023	.151	.077	.023		
9.0	.175	.084	.024	.169	.083	.023	.160	.079	.022	.150	.075	.022	.141	.072	.021		
10.0	.164	.079	.022	.159	.077	.021	.150	.073	.021	.141	.070	.020	.133	.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	.254	.254	.254	.173	.173	.173	.100	.100	.100	.032	.032	.032		
1.0	.290	.263	.239	.248	.226	.206	.170	.155	.142	.098	.090	.083	.031	.029	.027		
2.0	.283	.240	.204	.242	.207	.176	.166	.143	.123	.096	.083	.072	.031	.027	.023		
3.0	.276	.223	.181	.236	.192	.157	.162	.134	.110	.094	.078	.065	.030	.025	.021		
4.0	.268	.210	.166	.230	.182	.144	.158	.127	.102	.091	.074	.060	.029	.024	.020		
5.0	.261	.200	.156	.224	.173	.136	.154	.121	.096	.089	.071	.057	.029	.023	.019		
6.0	.253	.192	.149	.218	.167	.129	.150	.117	.092	.087	.069	.054	.028	.022	.018		
7.0	.246	.186	.143	.212	.161	.125	.146	.113	.088	.085	.066	.053	.027	.022	.017		
8.0	.240	.180	.139	.206	.156	.121	.143	.110	.086	.083	.065	.051	.027	.021	.017		
9.0	.234	.175	.136	.201	.152	.118	.140	.107	.084	.081	.063	.050	.026	.021	.017		
10.0	.228	.171	.133	.197	.149	.116	.136	.105	.083	.080	.062	.049	.026	.020	.016		

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Stability time:620 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:

UGR(Unified Glare Rating) Table

Test:U:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.: 1000mm*20mm			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	21.4	22.8	21.9	23.3	23.7	20.5	21.9	21.0	22.4	22.9
	3H	23.8	25.1	24.3	25.5	26.0	22.0	23.3	22.5	23.8	24.3
	4H	25.1	26.4	25.7	26.8	27.4	22.6	23.8	23.1	24.3	24.8
	6H	26.4	27.6	27.0	28.1	28.7	23.0	24.2	23.5	24.7	25.2
	8H	27.0	28.1	27.6	28.7	29.2	23.1	24.2	23.7	24.8	25.3
	12H	27.6	28.7	28.2	29.2	29.8	23.2	24.3	23.7	24.8	25.4
4H	2H	22.0	23.2	22.5	23.7	24.3	21.3	22.5	21.8	23.0	23.6
	3H	24.6	25.6	25.1	26.2	26.8	23.1	24.1	23.6	24.6	25.2
	4H	26.1	27.1	26.7	27.7	28.3	23.8	24.8	24.4	25.3	26.0
	6H	27.6	28.5	28.2	29.1	29.7	24.4	25.3	25.0	25.8	26.5
	8H	28.3	29.1	28.9	29.7	30.4	24.6	25.4	25.2	26.0	26.7
	12H	29.0	29.8	29.6	30.4	31.1	24.7	25.5	25.3	26.1	26.8
8H	4H	26.5	27.3	27.1	27.9	28.5	24.5	25.3	25.1	25.9	26.6
	6H	28.2	28.9	28.8	29.5	30.2	25.4	26.1	26.0	26.7	27.4
	8H	29.1	29.7	29.7	30.3	31.1	25.7	26.3	26.4	27.0	27.7
	12H	30.0	30.5	30.6	31.2	31.9	26.0	26.5	26.7	27.2	28.0
12H	4H	26.5	27.2	27.1	27.8	28.5	24.7	25.4	25.3	26.1	26.8
	6H	28.3	28.9	28.9	29.5	30.3	25.7	26.3	26.4	27.0	27.7
	8H	29.2	29.8	29.9	30.4	31.2	26.2	26.7	26.9	27.4	28.2
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 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 898.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
The luminaire data in the presentation of the associated IES information used by the URG calculation

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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	Shielding Angle:

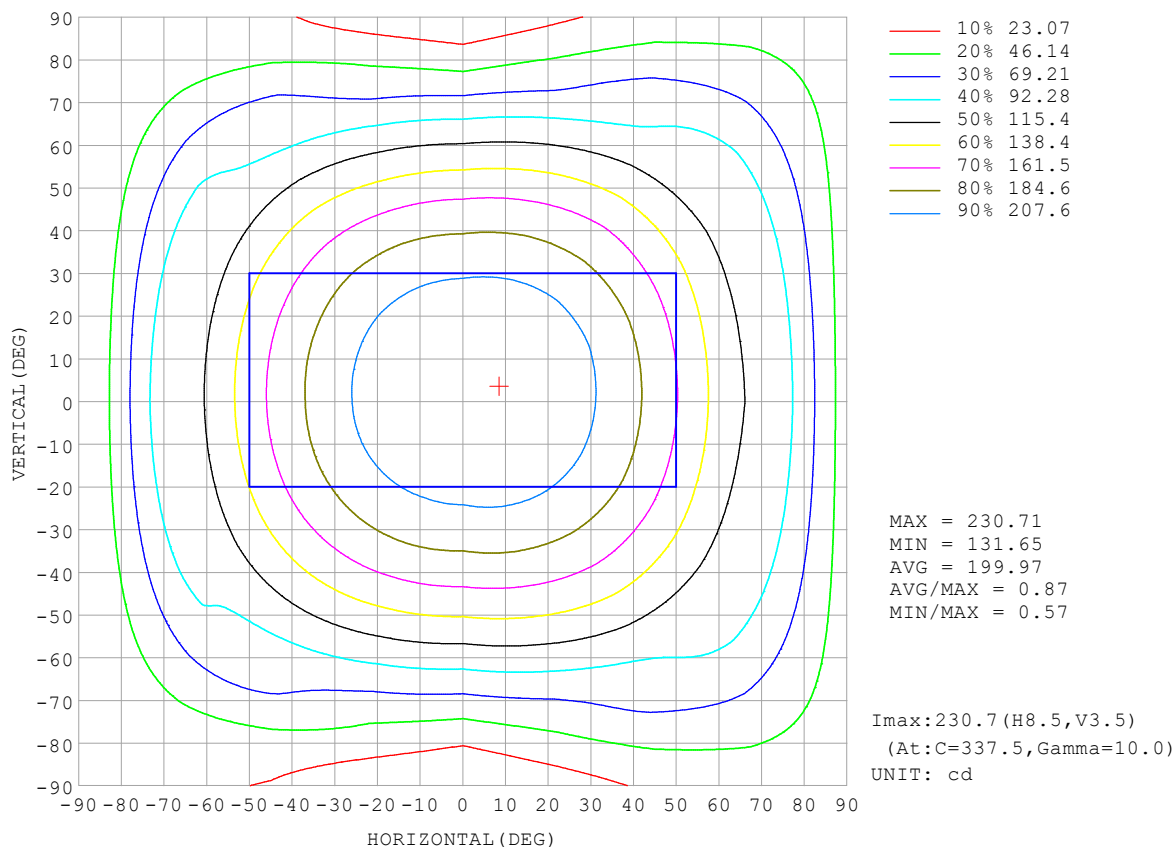
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	32	50	39	32	48	38	31	24
0.80	61	48	41	59	47	40	56	46	39	31
1.00	69	57	49	67	55	48	63	56	47	38
1.25	76	64	56	73	63	55	69	60	54	44
1.50	81	70	62	78	68	61	73	65	59	49
2.00	88	78	71	85	76	69	80	72	66	55
2.50	92	83	76	89	81	74	83	76	71	59
3.00	96	88	81	92	85	79	86	80	75	63
4.00	100	93	88	97	90	85	90	85	81	67
5.00	103	97	92	99	94	89	92	88	84	70
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:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	Shielding Angle:

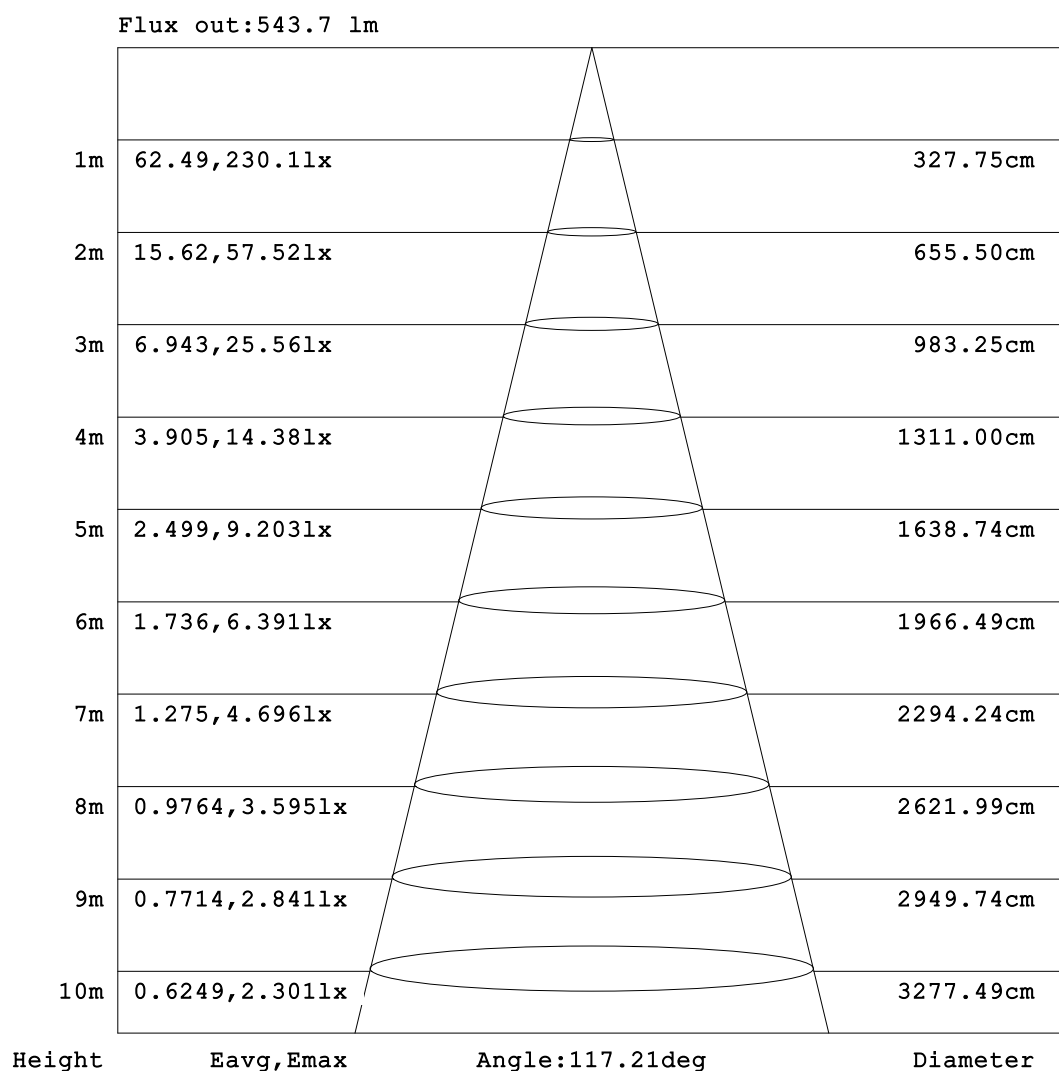


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 s

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:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	Shielding Angle:



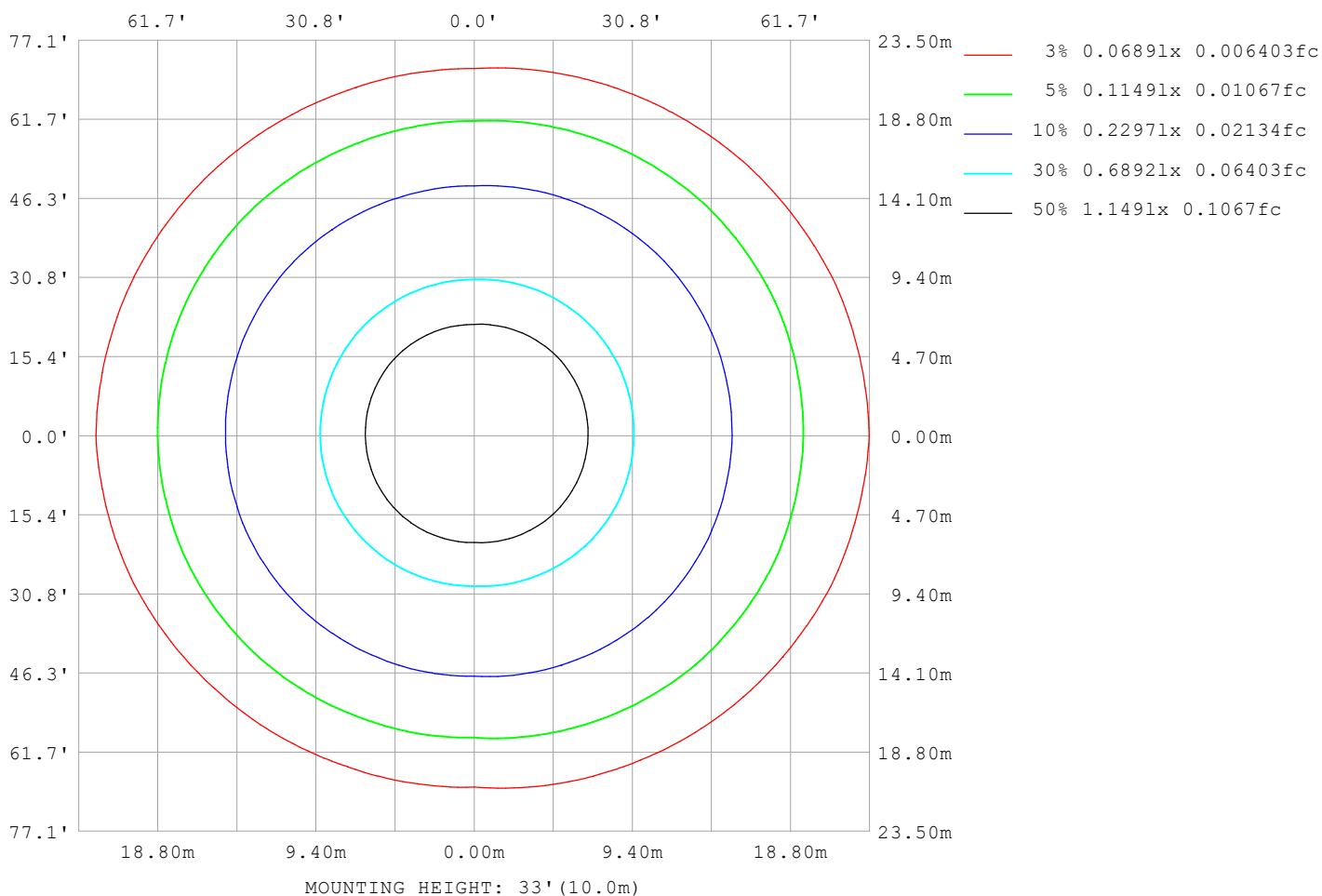
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 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:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 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:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	Shielding Angle:

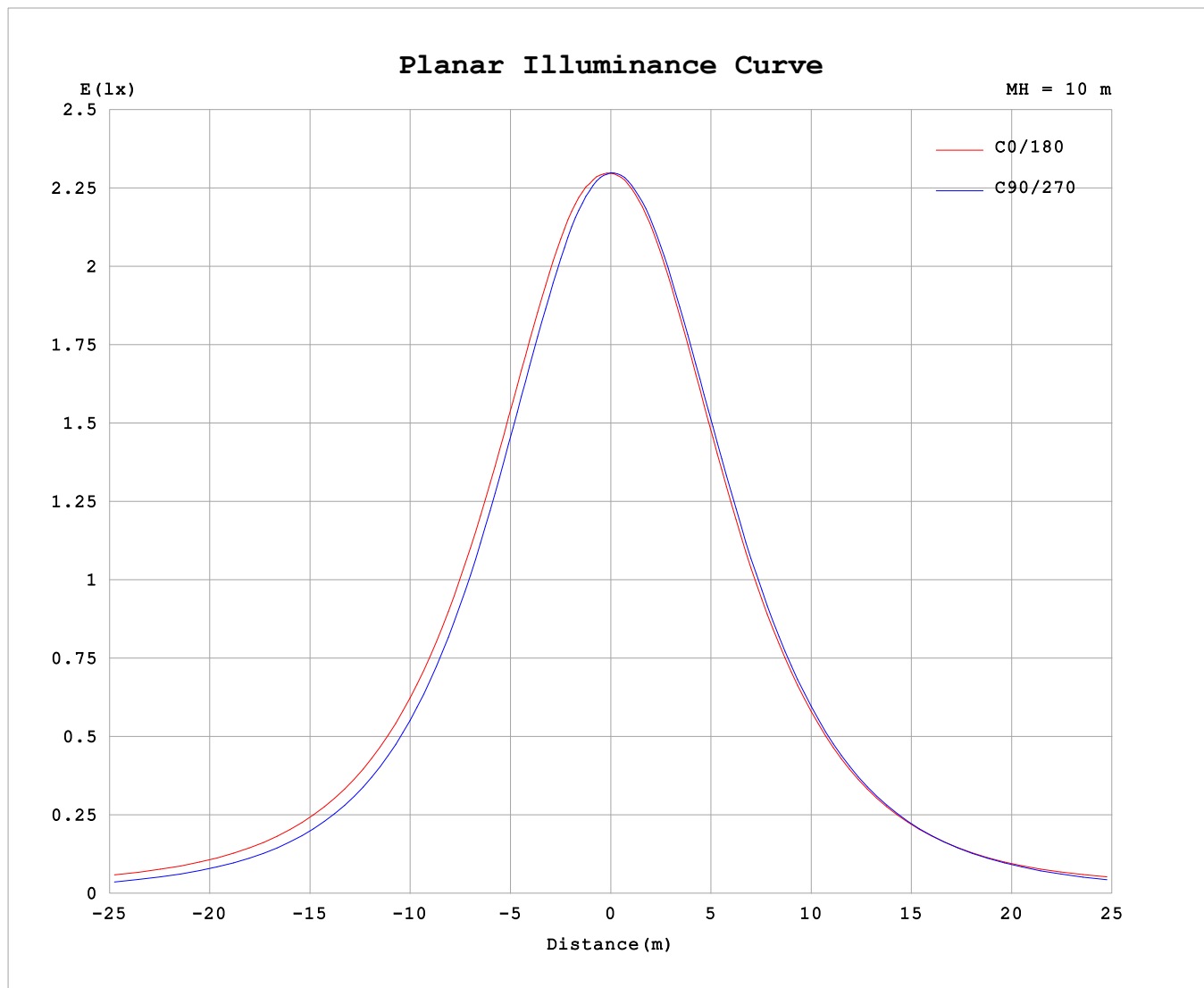
AvgL	cd/m2
L_0~180 (65) av	13068
L_0~180 (75) av	17973
L_0~180 (85) av	27232
L_90~270 (65) av	10633
L_90~270 (75) av	9522
L_90~270 (85) av	8278
L_45 (65) av	12033
L_45 (75) av	14695
L_45 (85) av	22695

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 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: 2026-09-03
Stability time: 620 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:99.997V I:0.0933A P:8.5036W PF:0.9114 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:898.545x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*20mm	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	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230			
5	230	230	229	229	229	228	228	229	229	229	229	230	230	230	230	230			
10	230	229	228	226	226	225	225	226	227	228	227	228	229	229	230	231			
15	228	227	225	222	221	220	221	222	223	224	224	225	226	226	228	229			
20	224	222	220	217	214	214	215	216	217	218	219	220	220	222	224	224			
25	218	216	213	210	206	206	207	208	209	211	213	213	214	216	218	218			
30	210	208	205	201	196	197	197	199	200	202	204	205	205	209	211	211			
35	201	198	195	190	185	186	187	188	189	191	193	194	194	199	202	202			
40	189	188	183	177	172	172	174	176	177	179	181	182	183	187	191	191			
45	177	174	170	163	156	157	160	162	164	166	168	168	169	174	178	178			
50	163	160	154	147	140	141	144	147	149	152	153	152	153	158	163	164			
55	147	144	138	130	122	124	127	131	133	136	136	135	135	142	147	148			
60	131	128	121	111	103	105	110	115	117	119	119	117	117	123	129	132			
65	117	112	103	92.3	83.1	86.1	92.2	99.3	104	103	101	97.4	96.6	104	111	116			
70	113	104	87.9	73.3	63.1	67.3	77.4	93.2	101	96.5	84.3	77.6	75.8	84.3	95.1	108			
75	101	94.0	77.4	56.3	43.5	50.4	67.9	80.0	84.6	84.3	74.5	59.1	55.1	65.9	84.5	98.8			
80	81.1	75.2	60.8	41.0	25.2	36.1	48.7	55.5	59.0	59.7	56.4	44.3	35.6	50.2	68.5	79.0			
85	57.0	52.8	42.0	25.6	10.2	20.7	30.8	36.3	37.9	38.7	36.1	27.2	18.6	33.7	49.3	56.3			
90	35.8	33.2	26.6	14.4	1.07	12.4	22.2	26.4	27.6	28.0	25.4	16.7	6.10	20.1	32.0	36.0			
95	25.3	24.0	20.2	12.1	1.04	9.73	19.5	24.2	25.5	25.7	23.0	12.7	4.01	15.9	23.1	25.3			
100	24.5	23.5	20.1	11.0	1.00	9.06	19.2	23.2	24.3	24.1	21.3	12.0	3.97	14.9	22.3	24.1			
105	25.4	24.3	19.9	10.9	1.20	8.97	20.1	23.5	25.5	25.2	21.7	11.3	3.94	13.8	22.4	24.6			
110	26.8	25.8	20.4	11.2	1.41	9.16	20.7	26.0	27.1	26.6	22.5	11.3	3.91	13.9	22.4	25.5			
115	29.4	27.8	20.8	10.9	1.43	10.1	20.2	27.4	29.3	27.8	20.8	12.0	3.68	14.5	20.8	28.3			
120	33.1	29.3	24.4	11.5	1.39	11.1	21.0	27.2	31.3	28.7	22.0	12.2	3.38	13.6	24.6	29.5			
125	36.4	33.4	26.5	12.5	1.28	11.9	23.2	30.2	33.7	30.6	23.8	12.6	3.01	13.8	28.0	32.9			
130	40.7	38.1	29.0	12.3	1.24	12.0	26.1	33.7	36.6	33.0	28.2	13.2	2.66	14.3	31.5	36.8			
135	45.2	42.6	29.7	11.0	1.30	11.7	28.7	37.4	40.2	37.0	31.0	13.5	2.41	14.0	34.8	40.4			
140	49.6	46.6	29.3	10.2	1.36	11.4	30.3	42.1	45.7	40.9	31.8	12.7	2.09	11.5	33.8	44.0			
145	51.7	47.8	26.0	8.24	1.40	10.1	28.6	42.6	45.8	41.6	28.3	11.0	1.35	7.32	29.1	44.3			
150	49.0	41.9	21.8	8.47	1.42	8.63	23.7	37.3	41.1	37.2	22.7	9.00	1.40	5.92	20.9	41.1			
155	40.7	28.8	16.6	7.20	1.45	7.56	17.6	27.8	31.0	28.4	17.1	7.74	1.44	5.60	13.3	29.8			
160	27.5	18.6	9.48	6.26	1.48	6.49	12.0	18.2	20.9	17.7	11.7	6.36	1.49	4.89	7.68	16.3			
165	14.9	9.51	7.98	4.83	1.53	4.60	8.58	11.4	12.7	10.8	7.72	4.55	1.55	4.44	4.81	7.32			
170	8.94	5.83	5.89	2.65	1.59	2.22	6.33	7.42	6.40	7.57	6.38	2.47	1.60	2.53	5.49	3.82			
175	3.24	3.23	2.29	1.88	1.64	1.65	2.03	3.12	2.09	3.50	2.26	1.80	1.65	1.68	2.25	2.42			
180	1.75	1.71	1.69	1.84	1.68	1.64	1.66	1.67	1.75	1.71	1.69	1.84	1.68	1.64	1.66	1.67			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 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	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9	229.9
3.0	230.3	230.1	229.6	229.3	229.3	229.1	229.3	229.3	229.6	229.5
6.0	230.4	230.2	229.1	228.2	227.9	227.7	227.9	228.2	228.7	228.9
9.0	230.7	229.6	227.8	226.8	226.2	225.6	225.8	226.5	227.4	228.1
12.0	229.8	228.6	227.0	224.9	223.8	223.3	223.2	224.4	225.5	226.2
15.0	228.1	226.8	224.9	222.4	220.5	220.3	220.8	221.7	222.9	223.8
18.0	225.6	224.4	222.2	219.2	216.8	216.9	217.7	218.4	219.5	220.4
21.0	222.6	221.4	218.7	215.3	212.6	212.8	213.7	214.5	215.6	216.6
24.0	219.1	217.7	214.4	211.3	208.0	208.0	208.9	209.7	211.1	212.3
27.0	214.9	213.2	209.8	206.4	202.6	202.7	203.4	204.7	205.9	207.4
30.0	209.9	208.0	204.7	201.0	196.4	196.9	197.5	198.8	200.2	201.9
33.0	204.3	202.5	198.9	194.5	189.5	190.4	191.3	192.3	193.5	195.7
36.0	198.6	196.5	192.5	187.4	182.1	183.2	184.2	185.7	186.7	189.0
39.0	191.8	190.1	185.4	179.7	174.3	175.3	176.4	178.5	180.0	181.7
42.0	184.5	182.6	177.9	171.4	165.7	166.6	168.4	170.7	172.5	174.2
45.0	176.8	174.4	169.5	162.7	156.3	157.5	159.7	162.3	164.4	166.2
48.0	168.5	165.7	160.6	153.4	146.8	147.9	150.5	153.2	155.6	157.6
51.0	159.6	156.6	151.4	143.5	136.4	137.8	140.8	144.1	146.4	148.6
54.0	150.0	146.8	141.6	133.2	125.6	127.2	130.9	134.3	136.6	138.9
57.0	140.3	137.4	131.4	122.3	114.3	116.3	120.5	124.6	127.0	128.9
60.0	130.7	127.6	120.7	111.3	102.9	105.1	109.9	114.6	117.2	118.7
63.0	121.7	117.8	109.9	99.99	91.06	93.64	99.34	104.7	108.2	108.9
66.0	115.6	109.9	99.46	88.43	79.11	82.26	88.88	97.19	102.5	100.6
69.0	113.2	105.4	90.41	77.03	67.13	70.96	79.95	93.84	101.7	97.09
72.0	110.0	101.6	83.62	66.17	55.15	60.15	73.66	90.34	96.89	93.73
75.0	101.4	94.01	77.39	56.26	43.47	50.37	67.86	80.02	84.62	84.31
78.0	89.58	82.99	68.03	47.25	32.31	41.99	57.48	65.13	68.97	69.72
81.0	76.39	71.01	57.25	37.74	21.88	32.86	44.46	51.13	54.17	55.02
84.0	61.80	57.37	45.83	28.52	12.89	23.38	33.63	39.56	41.45	42.31
87.0	47.63	44.03	34.93	20.18	5.690	16.54	26.33	30.87	32.18	32.84
90.0	35.79	33.19	26.58	14.38	1.067	12.43	22.15	26.43	27.59	27.98
93.0	26.96	25.25	20.83	12.25	1.054	9.976	20.29	24.61	26.13	26.46
96.0	24.95	23.71	20.04	11.95	1.035	9.394	19.42	23.52	24.68	24.34
99.0	24.52	23.44	20.06	11.10	1.000	8.936	19.23	23.12	24.14	23.93
102.0	24.79	23.71	20.25	10.88	1.065	9.041	17.78	23.46	24.62	24.41
105.0	25.42	24.35	19.92	10.87	1.205	8.967	20.07	23.52	25.52	25.22
108.0	26.23	25.20	20.86	11.10	1.344	8.852	20.71	25.20	26.15	26.03
111.0	27.11	26.21	20.07	11.18	1.438	8.894	20.07	26.30	27.63	26.83
114.0	28.54	28.26	20.09	10.95	1.414	10.01	19.89	27.15	28.83	27.63
117.0	31.52	27.77	22.29	11.10	1.433	10.49	20.46	26.43	30.01	27.86
120.0	33.08	29.34	24.38	11.48	1.391	11.15	21.00	27.18	31.27	28.74
123.0	35.00	31.68	25.65	12.14	1.317	11.66	22.72	28.81	32.68	29.85
126.0	37.14	34.30	26.92	12.56	1.280	11.95	23.41	30.90	34.30	31.08
129.0	39.64	37.12	28.53	12.58	1.228	12.04	25.50	32.95	35.93	32.51
132.0	42.51	39.87	29.07	12.00	1.266	11.86	27.08	35.11	38.00	34.10
135.0	45.18	42.55	29.74	10.96	1.303	11.71	28.69	37.43	40.23	37.03
138.0	47.90	45.04	29.98	10.23	1.340	11.54	29.94	41.19	44.17	39.69
141.0	50.36	46.91	29.25	9.536	1.373	11.20	30.29	42.54	46.21	41.59
144.0	51.67	47.91	27.08	8.502	1.391	10.41	29.28	42.97	46.19	41.83
147.0	51.41	44.41	24.25	7.919	1.414	9.478	26.88	41.40	44.74	40.82
150.0	48.96	41.94	21.84	8.475	1.424	8.627	23.70	37.29	41.12	37.23
153.0	44.63	34.89	18.83	7.669	1.433	7.965	20.02	31.74	33.37	32.49
156.0	36.12	26.01	14.76	7.041	1.456	7.363	16.29	25.66	29.10	26.29
159.0	29.83	20.42	10.25	6.543	1.480	6.730	12.93	19.93	22.78	19.36
162.0	22.76	13.18	9.369	5.800	1.494	5.985	10.32	15.17	17.24	14.50
165.0	14.85	9.513	7.981	4.828	1.526	4.601	8.581	11.36	12.65	10.80
168.0	11.21	7.194	6.541	3.490	1.554	3.077	7.198	8.723	9.110	8.483
171.0	7.601	5.329	5.323	2.402	1.610	1.903	5.576	6.951	6.436	7.225
174.0	4.044	4.049	2.918	1.935	1.647	1.647	2.679	4.342	2.745	4.766
177.0	2.054	1.963	1.753	1.791	1.652	1.629	1.683	1.679	1.727	1.730
180.0	1.751	1.708	1.688	1.842	1.675	1.643	1.660	1.670	1.751	1.708
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	229.9	229.9	229.9	229.9	229.9	229.9				
3.0	229.6	230.1	230.1	230.2	230.1	230.2				
6.0	229.0	229.8	229.7	230.0	230.2	230.4				
9.0	227.8	228.5	228.8	229.1	229.8	230.6				
12.0	226.3	226.7	227.4	228.0	229.4	230.4				
15.0	224.0	224.6	225.6	226.4	227.7	228.8				
18.0	221.7	221.8	222.4	224.3	226.1	226.3				
21.0	218.1	218.8	219.1	221.5	223.3	223.3				
24.0	214.1	214.9	215.2	217.8	219.5	219.7				
27.0	209.3	210.2	210.7	213.5	215.4	215.8				
30.0	203.6	204.8	205.3	208.5	210.8	211.2				

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 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	197.7	198.8	199.2	203.0	205.5	205.9
36.0	191.2	192.2	192.6	196.8	199.6	199.9
39.0	183.9	185.0	185.1	189.8	192.7	193.3
42.0	176.2	176.9	177.2	182.1	185.4	186.1
45.0	167.7	167.9	168.9	173.6	177.7	178.4
48.0	158.9	158.8	159.5	164.7	169.4	170.0
51.0	149.3	149.0	149.6	155.2	160.2	161.0
54.0	139.9	138.7	139.1	145.2	150.4	151.6
57.0	129.5	128.0	128.1	134.6	140.1	141.7
60.0	118.9	116.8	116.6	123.5	129.5	131.7
63.0	107.8	105.2	104.8	111.9	118.5	121.9
66.0	96.92	93.41	92.52	100.1	107.8	113.6
69.0	86.97	81.50	80.02	88.23	97.90	109.0
72.0	80.22	69.73	67.46	76.60	90.52	106.0
75.0	74.52	59.06	55.11	65.94	84.49	98.78
78.0	64.99	50.27	43.21	56.45	75.83	87.27
81.0	52.01	40.97	31.92	46.82	64.77	74.61
84.0	39.64	30.40	21.70	36.85	53.33	60.79
87.0	30.37	21.80	13.03	27.64	41.60	47.39
90.0	25.43	16.74	6.104	20.13	32.01	36.03
93.0	23.72	14.42	4.062	16.74	24.65	27.20
96.0	21.50	12.62	4.001	15.67	22.82	24.83
99.0	21.26	12.12	3.974	15.15	22.35	24.15
102.0	21.54	11.89	3.978	14.30	22.37	24.21
105.0	21.69	11.32	3.941	13.80	22.39	24.63
108.0	22.30	11.17	3.936	13.79	21.86	25.21
111.0	22.33	11.39	3.852	14.04	22.59	25.85
114.0	21.04	12.02	3.718	14.40	20.89	27.45
117.0	21.23	12.09	3.591	14.00	22.29	28.36
120.0	22.04	12.23	3.382	13.56	24.55	29.48
123.0	22.81	12.47	3.164	13.70	26.64	31.58
126.0	24.52	12.73	2.950	13.86	28.82	33.63
129.0	27.58	13.13	2.721	14.15	30.42	36.04
132.0	29.35	13.42	2.563	14.16	33.36	38.37
135.0	30.98	13.51	2.414	13.95	34.84	40.44
138.0	31.68	13.11	2.228	12.71	34.04	41.59
141.0	31.39	12.45	1.617	11.05	34.04	44.50
144.0	29.29	11.44	1.349	7.627	30.92	43.87
147.0	26.06	10.05	1.373	6.157	26.41	43.70
150.0	22.72	8.996	1.401	5.920	20.89	41.07
153.0	19.34	8.227	1.424	5.650	16.12	32.65
156.0	16.05	7.481	1.456	5.384	12.26	27.36
159.0	12.72	6.675	1.480	4.937	8.411	18.03
162.0	9.702	5.782	1.517	4.969	6.100	11.88
165.0	7.723	4.550	1.549	4.445	4.806	7.322
168.0	7.045	3.243	1.587	3.453	5.345	4.829
171.0	5.853	2.130	1.605	2.232	5.079	3.685
174.0	2.977	1.800	1.638	1.727	2.901	2.620
177.0	1.701	1.814	1.675	1.619	1.762	1.902
180.0	1.688	1.838	1.680	1.638	1.655	1.665

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-09-03
Stability time:620 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: