

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

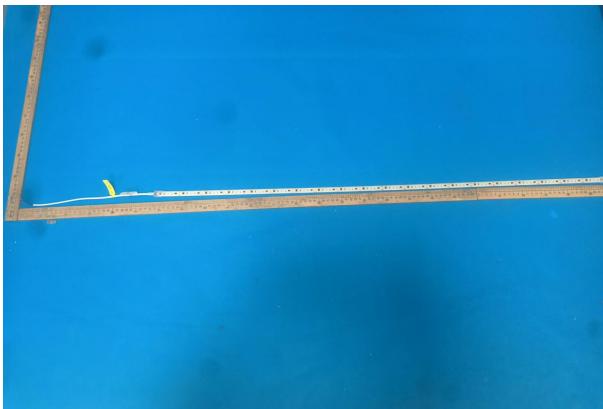
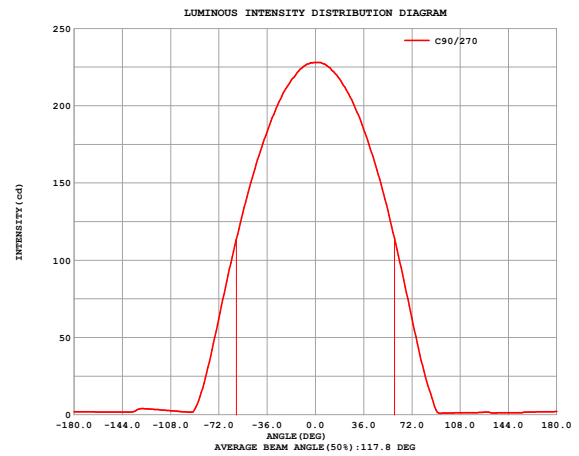
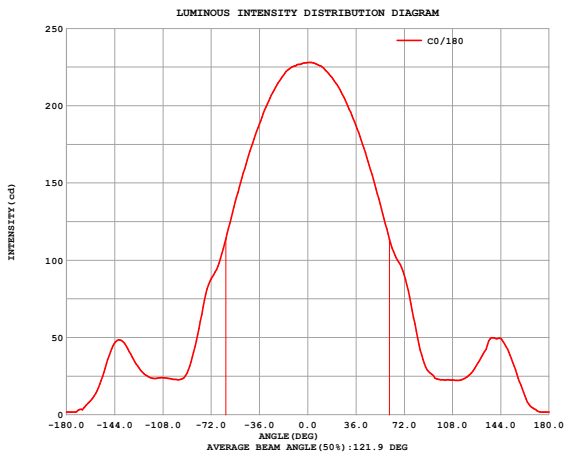
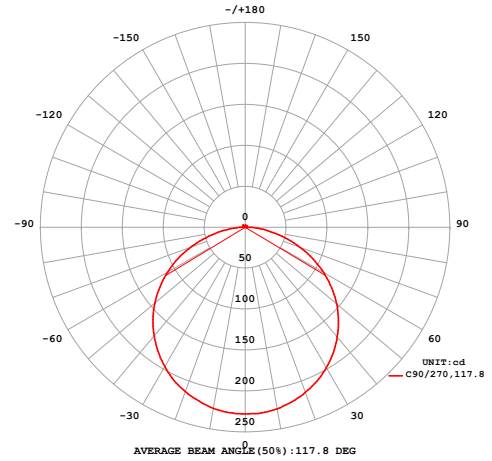
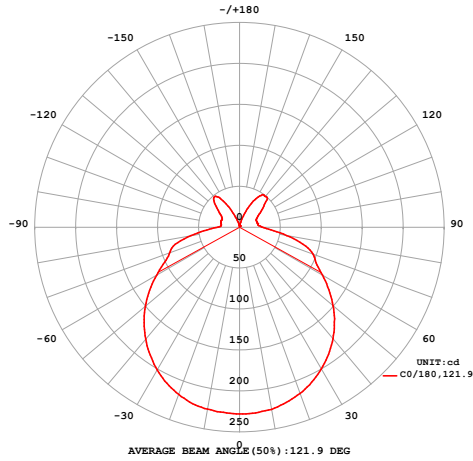


Fig. C0/C180

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:300 s

Fig. C90/C270

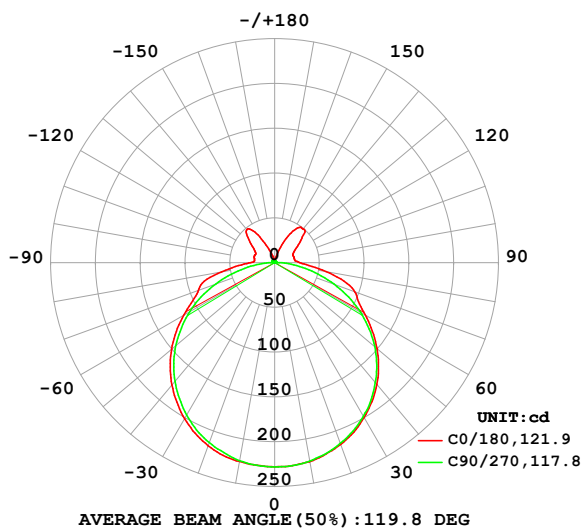
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

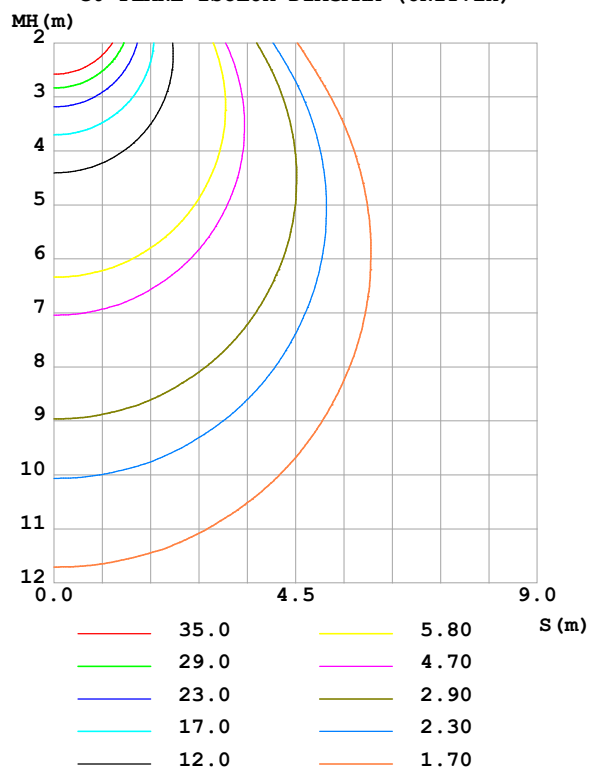
Test:U:100.09V I:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.84 lm/W			
MODEL	R50-2835HY-120L-4000K	I _{max} (cd)	228.2	S/MH(C0/180)	1.31
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	849.80	η UP,DN(C0-180)	6.3,44.0
NOMINAL FLUX(lm)	849.796	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.2,43.5
LAMPS INSIDE	1	η up (%)	12.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	100	η down (%)	87.5	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: 2026-08-31
Stability time: 300 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	225.7	224.3	225.1	225.9	225.6	225.4	224.5	224.3	0- 10	21.62	21.62	2.54,2.54
20	216.0	214.7	214.7	217.4	217.4	217.4	213.6	215.0	10- 20	62.49	84.11	9.9,9.9
30	199.8	197.8	198.2	202.5	201.3	201.9	196.5	198.5	20- 30	96.12	180.2	21.2,21.2
40	177.7	175.5	174.9	180.3	178.4	179.5	173.1	175.5	30- 40	118.1	298.3	35.1,35.1
50	149.3	147.4	146.0	152.4	150.2	151.1	144.1	141.9	40- 50	125.7	424.0	49.9,49.9
60	116.9	113.7	110.6	119.0	117.2	117.6	109.4	110.4	50- 60	117.8	541.8	63.8,63.8
70	95.25	80.18	70.82	85.29	90.62	81.11	70.29	79.64	60- 70	96.33	638.1	75.1,75.1
80	58.67	50.14	31.63	54.03	60.38	52.86	30.77	49.35	70- 80	70.06	708.2	83.3,83.3
90	28.14	22.73	2.972	26.43	27.00	22.07	3.624	22.22	80- 90	35.32	743.5	87.5,87.5
100	22.62	18.66	1.181	23.78	22.98	18.83	2.055	16.62	90-100	18.79	762.3	89.7,89.7
110	22.36	14.14	1.401	18.61	24.03	15.90	2.802	16.68	100-110	16.57	778.9	91.7,91.7
120	25.28	16.07	1.405	19.26	25.29	16.97	3.511	17.92	110-120	14.38	793.2	93.3,93.3
130	38.01	25.31	1.509	22.13	36.06	21.43	4.048	25.04	120-130	16.34	809.6	95.3,95.3
140	49.38	26.95	1.298	21.63	48.43	24.23	1.672	28.84	130-140	18.73	828.3	97.5,97.5
150	40.57	15.65	1.378	10.74	33.06	13.81	1.732	20.12	140-150	14.10	842.4	99.1,99.1
160	16.92	4.498	1.821	8.660	11.11	6.667	1.821	6.555	150-160	5.677	848.1	99.8,99.8
170	3.344	3.237	1.975	2.263	3.326	2.619	1.942	5.400	160-170	1.443	849.5	100,100
180	1.716	1.697	2.101	4.210	1.702	1.684	1.970	3.895	170-180	0.2564	849.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 361.2 lm

%lum = 42.5%

%lamp = 42.5%

Conical surface Flux(120deg): 541.78 lm

%lum = 63.8%

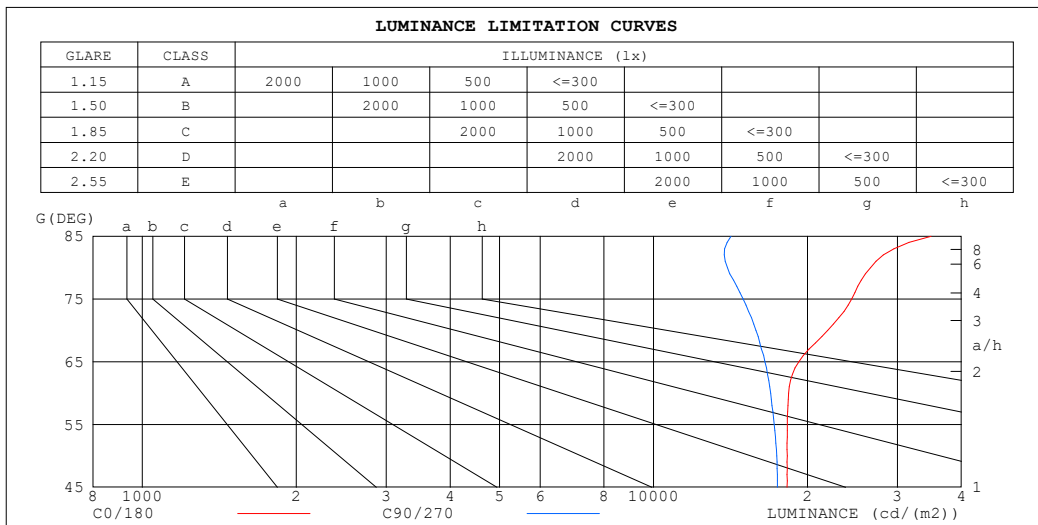
%lamp = 63.8%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:300 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:

LUMINANCE LIMITATION CURVES

Test:U:100.09V I:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	34898	14180
80	26561	13959
75	24413	14973
70	21895	15871
65	19232	16524
60	18374	16949
55	18273	17229
50	18257	17408
45	18236	17474

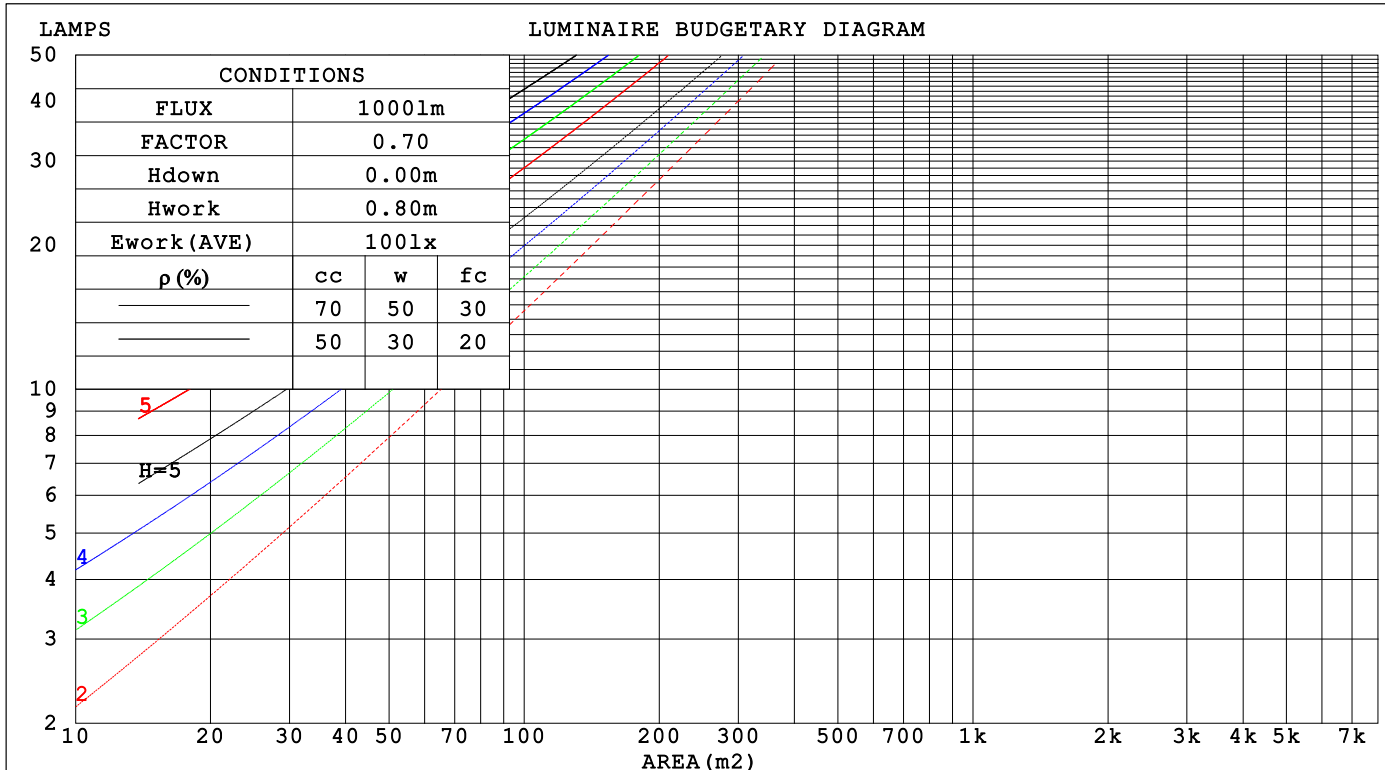
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Humidity:65.0%
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:100.09V I:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 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															Coefficients of Utilization(CU)														
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.91	.91	.91	.87														
1.0	.99	.94	.90	.96	.91	.87	.89	.86	.82	.83	.80	.78	.77	.75	.73	.70														
2.0	.86	.78	.72	.83	.76	.70	.77	.72	.67	.72	.67	.63	.67	.63	.60	.57														
3.0	.75	.66	.59	.72	.64	.58	.67	.61	.55	.63	.57	.53	.59	.54	.50	.48														
4.0	.66	.57	.50	.64	.55	.49	.60	.52	.47	.56	.50	.45	.52	.47	.43	.40														
5.0	.59	.49	.43	.57	.48	.42	.53	.46	.40	.50	.44	.39	.47	.41	.37	.35														
6.0	.53	.43	.37	.51	.42	.36	.48	.40	.35	.45	.39	.34	.42	.37	.32	.30														
7.0	.47	.39	.32	.46	.38	.32	.43	.36	.31	.41	.34	.30	.39	.33	.29	.26														
8.0	.43	.35	.29	.42	.34	.28	.40	.32	.27	.37	.31	.26	.35	.30	.26	.23														
9.0	.40	.31	.26	.38	.31	.25	.36	.29	.25	.34	.28	.24	.33	.27	.23	.21														
10.0	.36	.28	.23	.35	.28	.23	.34	.27	.22	.32	.26	.21	.30	.25	.21	.19														



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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:

WEC AND CCEC

Test:U:100.09V I:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 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	.342	.195	.062	.331	.189	.060	.311	.178	.057	.292	.168	.054	.275	.159	.051		
2.0	.309	.169	.052	.299	.165	.051	.281	.156	.049	.264	.148	.046	.248	.140	.044		
3.0	.281	.149	.045	.272	.146	.044	.255	.138	.042	.240	.131	.040	.226	.125	.039		
4.0	.256	.133	.039	.248	.130	.038	.233	.124	.037	.219	.118	.035	.206	.112	.034		
5.0	.235	.120	.035	.227	.117	.034	.214	.111	.033	.201	.106	.032	.189	.101	.030		
6.0	.216	.108	.031	.210	.106	.031	.198	.101	.029	.186	.097	.028	.175	.092	.027		
7.0	.200	.099	.028	.195	.097	.028	.183	.093	.027	.173	.089	.026	.163	.085	.025		
8.0	.187	.091	.026	.181	.089	.025	.171	.085	.024	.161	.082	.024	.152	.078	.023		
9.0	.174	.084	.024	.170	.083	.023	.160	.079	.022	.151	.076	.022	.143	.073	.021		
10.0	.164	.078	.022	.159	.077	.021	.150	.074	.021	.142	.071	.020	.135	.068	.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	.286	.286	.286	.244	.244	.244	.167	.167	.167	.096	.096	.096	.031	.031	.031		
1.0	.279	.252	.228	.238	.216	.196	.163	.149	.136	.094	.086	.079	.030	.028	.026		
2.0	.271	.229	.193	.232	.197	.167	.159	.136	.116	.092	.079	.068	.029	.026	.022		
3.0	.264	.212	.170	.226	.183	.147	.155	.127	.103	.090	.074	.061	.029	.024	.020		
4.0	.256	.199	.155	.220	.172	.135	.151	.120	.095	.087	.070	.056	.028	.023	.018		
5.0	.249	.189	.145	.214	.163	.126	.147	.114	.089	.085	.067	.053	.027	.022	.017		
6.0	.241	.181	.137	.208	.156	.119	.143	.110	.084	.083	.064	.050	.027	.021	.017		
7.0	.235	.174	.132	.202	.151	.115	.139	.106	.081	.081	.062	.048	.026	.020	.016		
8.0	.228	.168	.127	.196	.146	.111	.136	.103	.079	.079	.060	.047	.026	.020	.016		
9.0	.222	.164	.124	.191	.142	.108	.132	.100	.077	.077	.059	.046	.025	.019	.015		
10.0	.216	.159	.121	.186	.138	.106	.129	.097	.075	.075	.058	.045	.024	.019	.015		

C Range: 0 - 360DEG
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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:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 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	22.9	24.3	23.3	24.7	25.1	22.6	24.0	23.0	24.4	24.8
3H	25.0	26.3	25.5	26.7	27.2	24.2	25.5	24.6	25.9	26.4
4H	26.2	27.4	26.6	27.8	28.4	24.8	26.0	25.3	26.5	27.0
6H	27.2	28.3	27.7	28.8	29.3	25.3	26.5	25.8	27.0	27.5
8H	27.6	28.7	28.1	29.2	29.8	25.5	26.6	26.0	27.1	27.7
12H	28.0	29.1	28.5	29.6	30.2	25.6	26.7	26.2	27.2	27.8
4H 2H	23.5	24.7	24.0	25.2	25.7	23.3	24.5	23.7	24.9	25.5
3H	25.8	26.9	26.4	27.4	28.0	25.1	26.1	25.6	26.6	27.2
4H	27.1	28.1	27.7	28.7	29.3	25.9	26.8	26.4	27.4	28.0
6H	28.3	29.2	28.9	29.8	30.4	26.5	27.4	27.1	27.9	28.6
8H	28.8	29.6	29.4	30.2	30.9	26.8	27.6	27.4	28.2	28.8
12H	29.3	30.1	30.0	30.7	31.4	27.0	27.7	27.6	28.3	29.0
8H 4H	27.5	28.3	28.1	28.9	29.5	26.4	27.2	27.0	27.8	28.4
6H	28.9	29.5	29.5	30.2	30.8	27.3	27.9	27.9	28.6	29.2
8H	29.5	30.1	30.2	30.8	31.5	27.7	28.3	28.3	28.9	29.6
12H	30.2	30.7	30.9	31.4	32.1	28.0	28.5	28.6	29.2	29.9
12H 4H	27.5	28.2	28.1	28.8	29.5	26.5	27.2	27.1	27.8	28.5
6H	29.0	29.6	29.6	30.2	30.9	27.5	28.1	28.1	28.7	29.4
8H	29.7	30.2	30.4	30.9	31.6	27.9	28.5	28.6	29.1	29.9
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 / - 0.3					+ 0.1 / - 0.4				

CIE Pub.117, 849.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)
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
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Remarks:

UTILIZATION FACTORS TABLE

Test:U:100.09V I:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

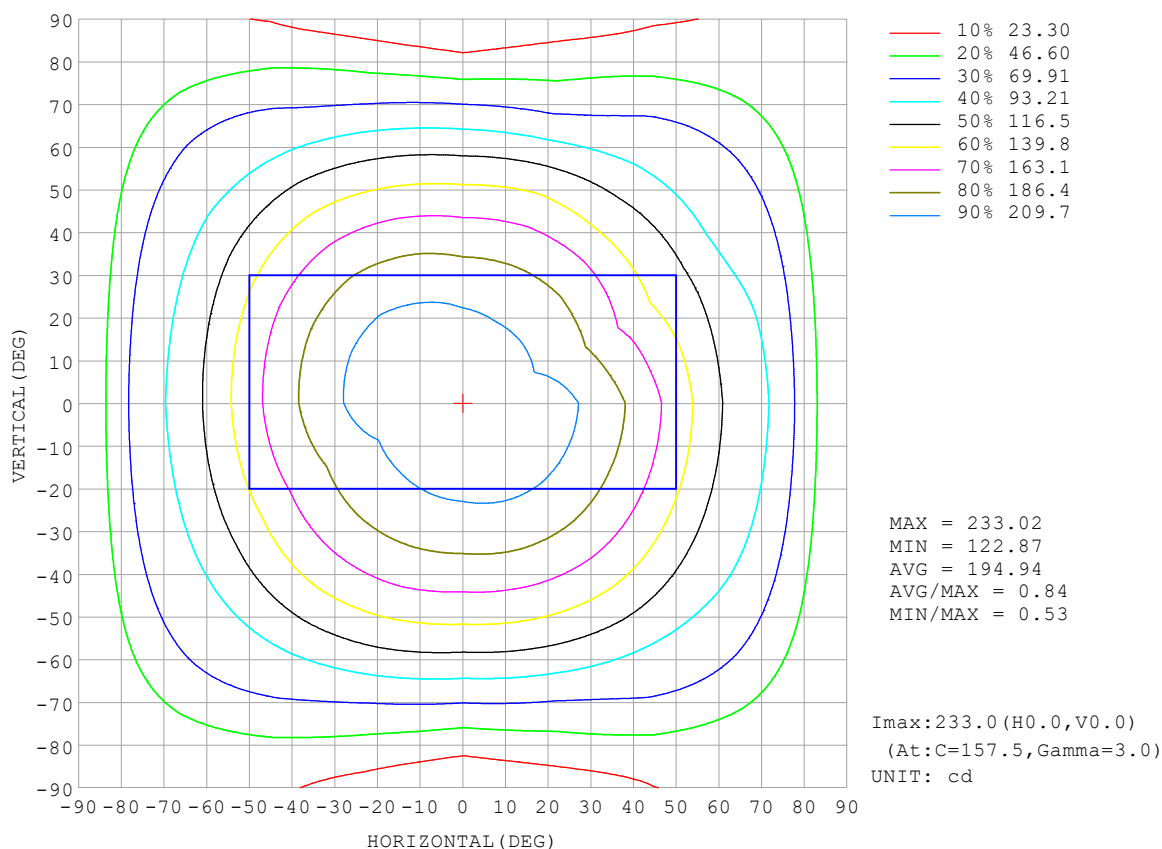
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	39	33	49	38	32	25
0.80	61	49	41	60	48	41	57	47	40	33
1.00	69	57	50	68	56	49	64	57	48	40
1.25	76	65	57	74	64	56	70	61	55	46
1.50	82	71	63	79	69	62	75	66	60	50
2.00	89	79	72	86	77	70	81	73	68	57
2.50	93	84	77	90	82	75	84	78	72	61
3.00	96	88	82	93	86	80	87	81	77	65
4.00	101	94	88	97	91	86	91	86	82	69
5.00	104	98	93	100	95	90	93	89	85	72
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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γ Range: 0 - 180DEG
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ISOCANDELA DIAGRAM

Test:U:100.09V I:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

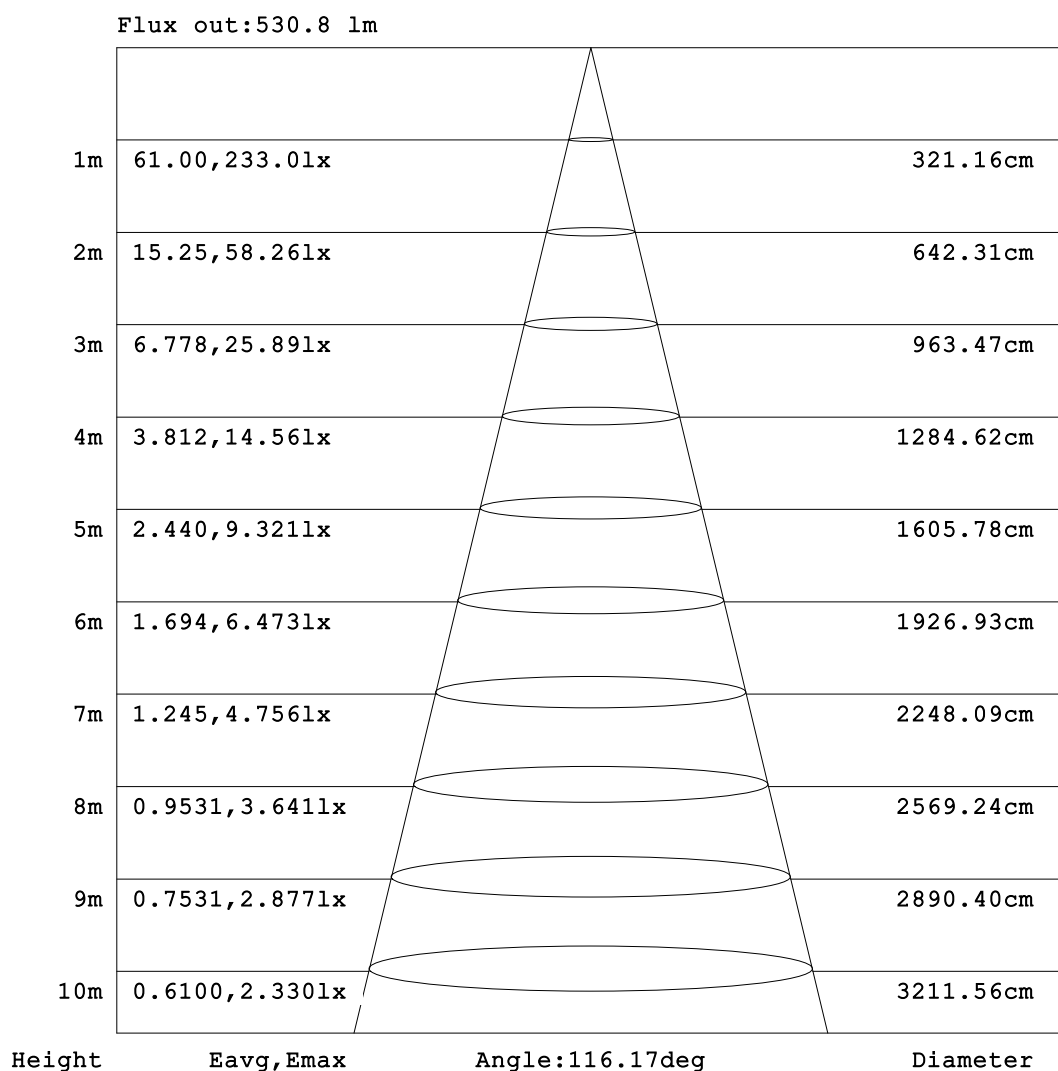


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:300 s

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:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:



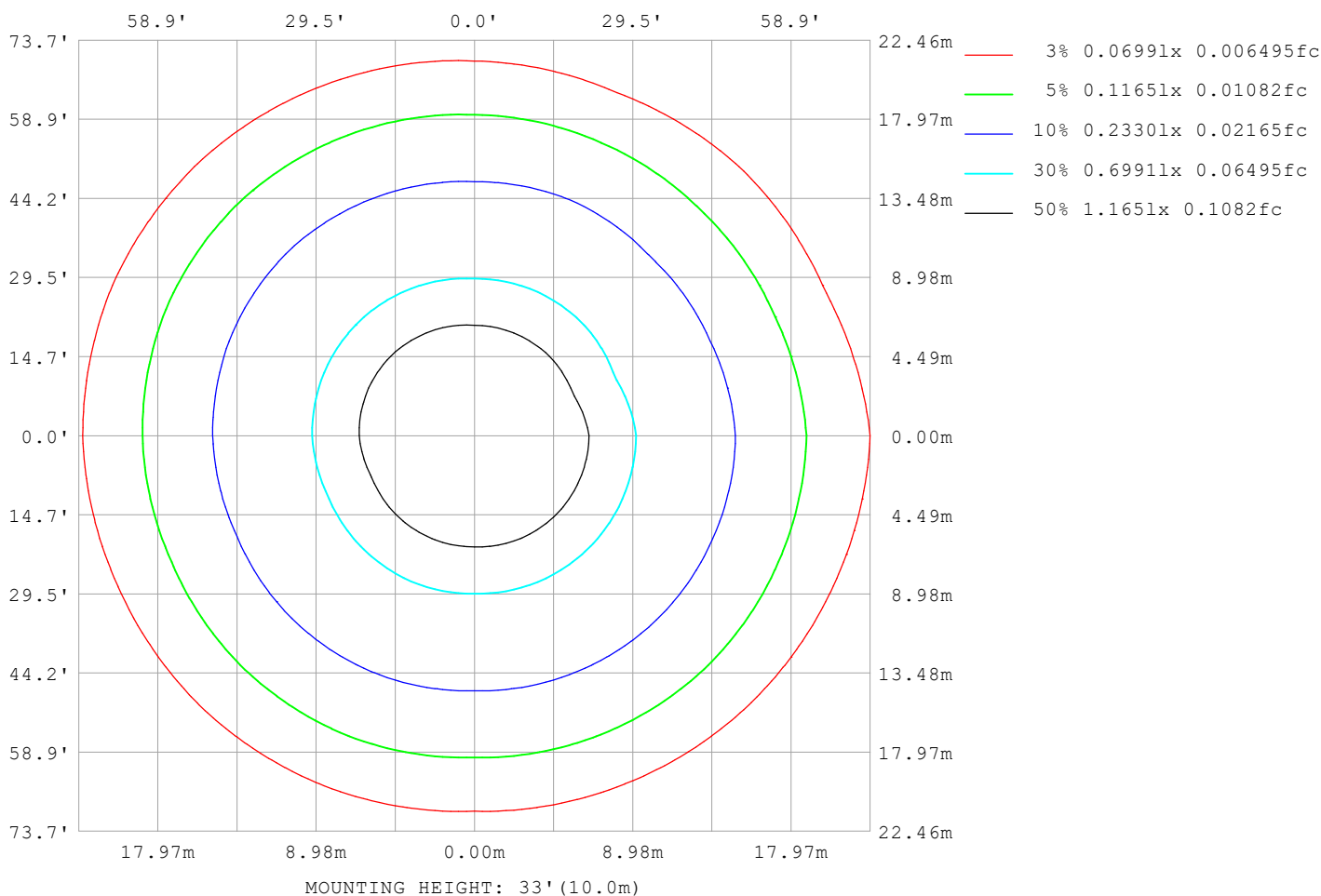
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-08-31
 Stability time:300 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:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 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:300 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:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

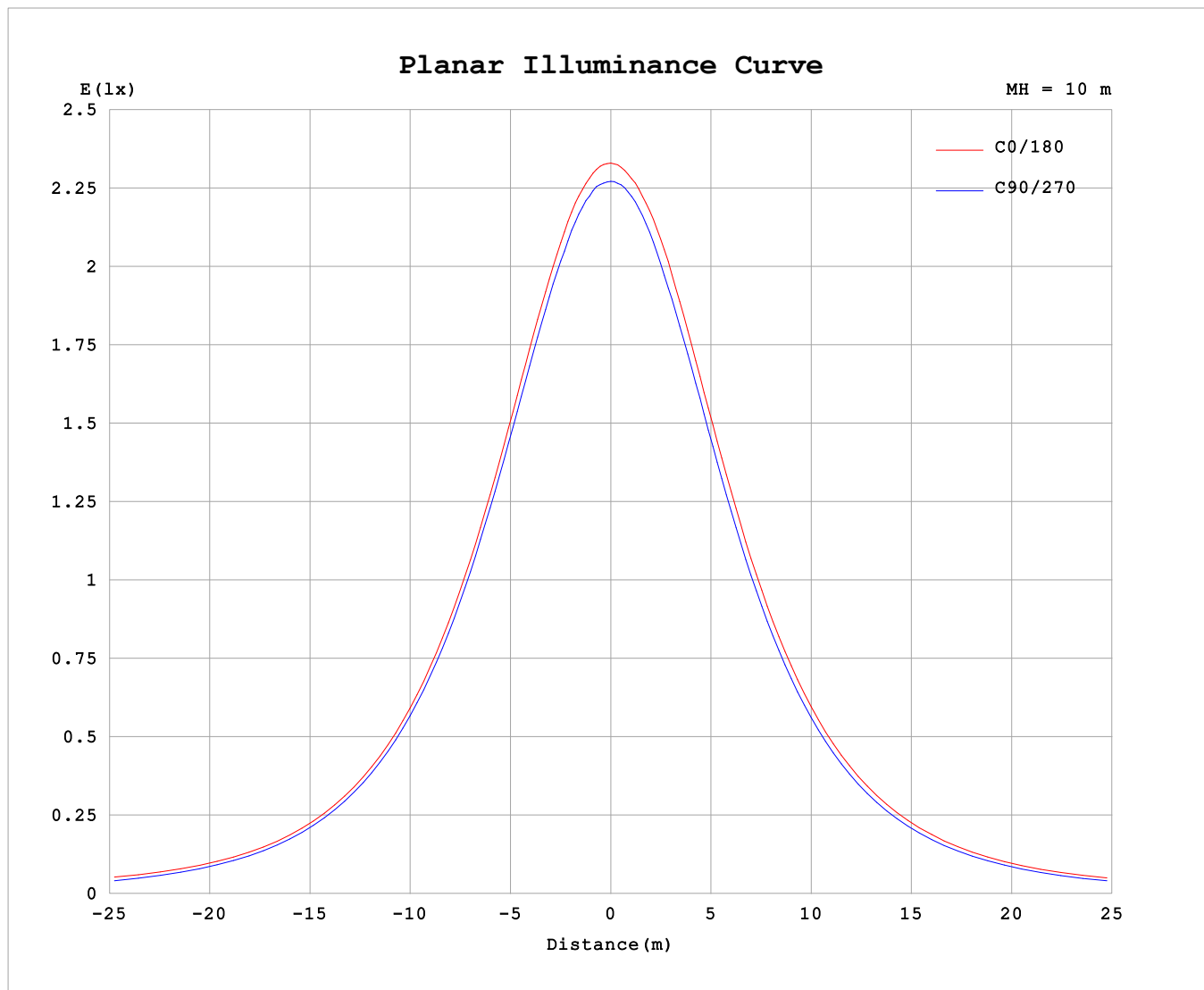
AvgL	cd/m2
L_0~180 (65) av	18602
L_0~180 (75) av	24039
L_0~180 (85) av	34955
L_90~270 (65) av	16520
L_90~270 (75) av	14959
L_90~270 (85) av	13463
L_45 (65) av	17804
L_45 (75) av	20491
L_45 (85) av	30421

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:300 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: 300 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:0.0933A P:8.5114W PF:0.9117 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:849.796x1 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	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228			
5	227	228	227	227	228	228	227	228	227	228	228	227	227	227	227	227			
10	226	225	224	224	225	225	226	226	226	226	225	224	225	224	224	225			
15	221	221	221	220	221	221	223	223	223	223	222	220	220	220	221	221			
20	216	215	215	214	215	216	217	218	217	219	217	215	214	214	215	215			
25	209	208	207	206	207	209	211	212	210	211	211	207	206	206	208	207			
30	200	199	198	198	198	200	202	203	201	203	202	199	197	198	199	196			
35	190	188	188	187	187	190	192	192	190	192	191	188	185	187	188	182			
40	178	176	176	175	175	178	180	181	178	180	179	176	173	175	175	168			
45	164	163	162	161	161	165	167	167	165	167	166	162	159	161	159	156			
50	149	148	147	146	146	150	152	152	150	152	151	147	144	146	142	141			
55	133	132	131	129	129	133	136	136	134	136	135	130	127	129	126	131			
60	117	115	114	111	111	116	119	120	117	119	118	113	109	109	110	115			
65	103	99.1	96.0	92.5	91.1	96.6	101	103	101	102	99.2	94.1	90.4	88.8	95.0	96.9			
70	95.3	89.3	80.2	73.2	70.8	77.0	85.3	91.1	90.6	88.6	81.1	74.9	70.3	68.5	79.6	88.7			
75	80.4	76.2	67.9	55.0	50.6	58.9	71.4	80.8	81.4	78.7	68.4	56.7	50.1	53.2	68.2	77.5			
80	58.7	55.6	50.1	38.7	31.6	42.1	54.0	60.7	60.4	58.7	52.9	40.7	30.8	36.6	49.4	57.1			
85	38.7	36.4	32.5	24.1	16.1	26.9	36.7	41.3	40.5	38.9	34.8	24.7	14.4	24.2	33.9	37.7			
90	28.1	26.0	22.7	14.4	2.97	18.1	26.4	29.2	27.0	25.7	22.1	13.9	3.62	14.0	22.2	26.2			
95	23.7	21.7	19.2	12.2	1.05	15.4	23.8	25.8	22.8	22.0	18.7	10.2	1.76	9.87	17.2	21.2			
100	22.6	21.1	18.7	10.6	1.18	12.3	23.8	26.1	23.0	22.1	18.8	8.63	2.06	9.43	16.6	21.0			
105	22.6	21.2	17.3	8.21	1.29	9.70	22.1	26.4	23.8	22.7	18.4	7.15	2.43	9.45	17.7	21.7			
110	22.4	20.7	14.1	7.56	1.40	7.01	18.6	25.3	24.0	22.4	15.9	6.68	2.80	8.88	16.7	21.7			
115	22.7	20.8	13.8	7.38	1.39	6.27	16.6	24.0	23.4	21.9	14.8	6.57	3.17	8.68	15.1	22.2			
120	25.3	20.9	16.1	9.65	1.41	7.05	19.3	23.7	25.3	21.7	17.0	7.06	3.51	9.38	17.9	22.6			
125	30.5	25.8	20.2	9.88	1.63	7.46	20.8	27.9	29.4	25.1	19.1	7.95	3.78	11.0	22.1	27.7			
130	38.0	33.6	25.3	10.2	1.51	6.73	22.1	33.9	36.1	31.2	21.4	8.40	4.05	11.5	25.0	34.7			
135	47.8	41.1	28.7	9.13	1.23	4.03	24.4	40.2	44.1	38.1	24.4	7.88	2.18	11.0	27.7	42.9			
140	49.4	45.3	27.0	7.37	1.30	5.03	21.6	41.3	48.4	40.9	24.2	8.04	1.67	9.92	28.8	45.2			
145	48.3	42.1	22.5	4.22	1.35	4.93	16.3	36.7	44.9	37.1	20.1	7.63	1.70	8.03	25.6	40.6			
150	40.6	32.9	15.7	3.03	1.38	5.11	10.7	25.4	33.1	26.6	13.8	6.23	1.73	6.09	20.1	36.2			
155	29.0	19.6	8.35	2.53	1.53	3.93	10.3	15.8	19.7	16.2	9.85	4.55	1.76	4.87	11.9	26.2			
160	16.9	10.6	4.50	2.98	1.82	2.37	8.66	11.7	11.1	9.66	6.67	3.50	1.82	4.79	6.55	15.7			
165	6.83	4.30	3.64	2.89	1.88	2.00	4.74	8.99	6.41	5.87	4.04	2.07	1.88	4.59	5.52	7.74			
170	3.34	2.42	3.24	2.25	1.97	2.00	2.26	3.66	3.33	3.06	2.62	1.89	1.94	3.99	5.40	6.85			
175	1.78	1.83	1.68	1.86	2.04	2.12	2.31	2.38	1.70	1.91	1.76	1.93	1.97	2.98	4.64	6.75			
180	1.72	1.69	1.70	1.92	2.10	2.57	4.21	5.04	1.70	1.69	1.68	1.95	1.97	2.77	3.89	5.31			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:300 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	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
3.0	227.9	227.8	227.1	227.2	227.9	228.0	227.8	228.2	227.5	227.8
6.0	227.1	227.2	226.4	226.0	227.1	227.3	227.2	227.8	226.8	227.5
9.0	225.9	225.5	225.1	224.4	225.8	226.0	226.4	226.6	225.8	226.7
12.0	224.1	223.4	223.2	222.5	223.3	223.9	224.9	225.4	224.8	225.4
15.0	221.5	220.8	220.6	219.8	220.7	221.3	222.7	223.3	222.9	223.4
18.0	218.3	217.6	217.4	216.4	217.4	218.2	219.6	220.8	219.7	220.5
21.0	214.7	213.9	213.4	212.3	213.3	214.6	216.2	217.2	216.0	217.3
24.0	210.5	209.3	208.9	207.9	208.9	210.5	212.3	213.2	211.7	213.0
27.0	205.4	204.6	203.7	203.0	203.9	205.7	207.7	208.3	206.8	208.2
30.0	199.8	199.0	197.8	197.7	198.2	200.2	202.5	202.7	201.3	202.6
33.0	193.7	192.7	192.2	191.3	192.2	194.3	196.6	196.6	195.0	196.7
36.0	187.4	185.9	185.4	184.7	185.1	187.7	190.0	190.0	188.2	190.0
39.0	180.1	178.8	178.1	177.3	177.5	180.9	183.0	182.7	180.9	182.7
42.0	172.5	171.2	170.3	169.4	169.8	173.3	175.1	175.5	173.4	175.0
45.0	164.0	162.8	162.1	160.9	161.2	165.1	167.0	167.4	164.9	167.0
48.0	155.4	154.0	153.5	152.2	152.3	156.2	158.2	158.6	156.3	158.2
51.0	146.1	144.6	144.3	142.8	142.7	146.7	149.3	149.1	147.1	148.9
54.0	136.5	134.9	134.5	133.0	132.5	136.7	139.7	139.5	137.5	139.4
57.0	126.8	125.0	124.1	122.5	121.6	126.5	129.6	129.8	127.5	129.4
60.0	116.9	114.7	113.7	111.3	110.6	115.6	119.0	119.6	117.2	119.3
63.0	108.0	104.9	103.0	100.1	98.98	104.4	108.2	109.4	107.3	108.9
66.0	101.6	96.72	92.61	88.70	87.09	92.64	97.60	100.1	98.34	98.60
69.0	97.28	90.93	83.03	77.12	74.87	80.83	88.22	92.90	92.17	90.52
72.0	90.60	85.42	75.25	65.64	62.67	69.55	79.58	87.62	87.96	85.17
75.0	80.37	76.21	67.85	55.01	50.56	58.88	71.37	80.77	81.40	78.70
78.0	67.42	63.95	57.80	45.26	38.88	48.74	61.68	69.53	69.72	67.50
81.0	54.20	51.52	46.45	35.54	28.17	38.75	50.19	56.66	55.92	54.47
84.0	42.04	39.72	35.64	26.80	19.01	29.41	39.89	44.86	44.19	42.47
87.0	33.14	30.88	27.17	19.42	10.91	22.50	31.30	35.44	34.09	32.56
90.0	28.14	25.98	22.73	14.41	2.972	18.13	26.43	29.20	27.00	25.72
93.0	25.94	23.92	19.99	12.49	1.018	16.13	24.18	26.40	23.48	22.54
96.0	23.21	21.43	19.13	11.98	1.074	14.89	23.78	25.74	22.74	21.92
99.0	22.70	21.08	18.83	11.00	1.139	12.94	23.85	25.95	22.86	22.03
102.0	22.57	21.04	18.11	10.20	1.219	10.71	23.46	26.32	23.29	22.34
105.0	22.58	21.17	17.33	8.206	1.289	9.698	22.08	26.43	23.77	22.75
108.0	22.50	20.89	15.54	8.216	1.354	8.399	20.23	26.02	24.02	22.67
111.0	22.28	20.70	13.63	7.180	1.415	6.902	14.61	24.94	23.98	22.21
114.0	22.48	21.04	13.48	7.268	1.420	6.387	13.98	24.08	23.50	21.73
117.0	23.56	20.50	14.16	8.916	1.359	6.417	18.34	22.92	23.94	21.01
120.0	25.28	20.93	16.07	9.646	1.405	7.051	19.26	23.74	25.29	21.66
123.0	28.03	23.45	18.10	10.22	1.527	7.370	20.03	25.84	27.39	23.41
126.0	31.96	27.21	20.64	10.32	1.662	7.531	20.59	28.87	30.55	26.27
129.0	36.54	32.05	24.32	10.71	1.672	7.196	21.81	32.62	34.53	29.88
132.0	40.99	37.12	27.42	9.735	1.208	5.538	23.25	36.68	39.29	33.97
135.0	47.79	41.13	28.73	9.127	1.233	4.034	24.36	40.19	44.07	38.08
138.0	49.90	44.29	28.30	8.321	1.275	4.587	23.52	41.98	47.57	40.31
141.0	49.20	44.90	26.15	6.783	1.307	5.093	20.55	40.89	48.49	40.80
144.0	49.38	43.09	23.33	4.627	1.335	4.962	17.27	38.14	46.31	38.60
147.0	45.71	39.91	20.26	3.431	1.359	4.990	14.39	32.25	40.95	33.39
150.0	40.57	32.90	15.65	3.032	1.378	5.109	10.74	25.44	33.06	26.60
153.0	33.86	23.68	10.97	2.688	1.409	4.763	10.17	19.23	24.72	19.96
156.0	26.36	17.27	7.294	2.520	1.739	3.423	10.23	14.61	17.56	14.63
159.0	19.10	12.44	5.119	3.132	1.812	2.510	9.038	12.32	12.39	10.70
162.0	12.38	7.348	3.789	3.046	1.840	2.044	7.769	10.63	8.985	7.980
165.0	6.835	4.303	3.637	2.890	1.877	2.002	4.742	8.986	6.411	5.872
168.0	4.352	2.996	3.593	2.711	1.938	1.997	2.875	6.223	3.235	4.064
171.0	2.565	2.237	3.054	2.072	2.003	1.997	2.217	2.943	2.911	2.725
174.0	1.863	2.331	1.943	1.867	2.036	2.036	2.217	2.375	1.698	2.011
177.0	1.721	1.659	1.647	1.867	2.054	2.342	3.073	2.818	1.689	1.686
180.0	1.716	1.686	1.697	1.918	2.101	2.573	4.210	5.038	1.702	1.686
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	228.0	228.0	228.0	228.0	228.0	228.0				
3.0	228.2	227.5	227.8	227.4	227.7	227.6				
6.0	227.2	226.6	226.8	226.4	226.6	226.6				
9.0	226.0	224.5	225.2	224.9	225.1	225.4				
12.0	224.4	222.8	222.7	222.7	223.1	223.8				
15.0	222.1	220.2	219.5	219.7	220.7	220.9				
18.0	219.3	217.2	216.3	216.2	217.7	216.9				
21.0	216.2	213.4	212.4	212.2	213.8	213.0				
24.0	212.2	209.0	208.0	207.9	209.5	208.5				
27.0	207.5	203.7	202.5	203.1	204.4	203.1				
30.0	201.9	198.5	196.5	197.6	198.5	195.9				

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:300 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	195.6	192.3	190.1	191.5	192.3	188.4
36.0	189.1	185.9	183.1	184.6	185.5	179.3
39.0	182.0	178.5	175.8	177.5	178.4	170.0
42.0	174.3	170.8	167.8	169.7	169.3	164.1
45.0	165.9	162.2	159.3	161.5	159.5	155.6
48.0	156.9	153.1	150.4	152.7	149.6	146.0
51.0	148.0	143.6	141.0	143.2	138.6	139.1
54.0	138.4	133.7	130.7	133.0	128.7	133.9
57.0	128.2	123.6	120.3	121.6	121.5	124.7
60.0	117.6	112.8	109.4	109.5	110.4	114.9
63.0	106.7	101.6	98.21	96.92	100.3	103.6
66.0	95.42	90.36	86.41	85.01	91.29	93.87
69.0	84.49	78.76	74.37	72.30	82.13	88.92
72.0	75.19	67.37	62.18	61.50	75.44	86.16
75.0	68.41	56.67	50.10	53.20	68.15	77.46
78.0	60.02	47.01	38.31	42.23	57.16	65.74
81.0	48.99	37.40	27.15	34.27	46.08	53.03
84.0	38.22	27.58	17.28	26.99	37.06	41.33
87.0	28.60	19.65	9.121	18.51	27.97	31.94
90.0	22.07	13.88	3.624	14.03	22.22	26.17
93.0	19.13	11.10	1.659	10.94	19.58	23.71
96.0	18.65	9.906	1.803	9.689	17.09	20.87
99.0	18.74	9.057	1.989	9.359	17.07	20.90
102.0	18.89	7.822	2.209	9.840	17.18	21.20
105.0	18.38	7.146	2.433	9.452	17.74	21.67
108.0	17.19	6.759	2.662	8.881	17.50	21.78
111.0	15.37	6.684	2.867	9.008	16.16	21.60
114.0	14.74	6.618	3.096	8.588	15.14	21.92
117.0	15.46	6.488	3.315	8.918	15.80	21.60
120.0	16.97	7.060	3.511	9.379	17.92	22.57
123.0	18.23	7.569	3.680	10.25	20.59	25.49
126.0	19.50	8.129	3.834	11.23	22.87	29.07
129.0	20.76	8.469	3.997	11.49	23.84	33.84
132.0	22.86	7.853	3.667	11.37	26.60	37.88
135.0	24.36	7.881	2.175	10.99	27.73	42.89
138.0	24.82	8.061	1.686	10.36	28.55	45.00
141.0	23.94	8.056	1.676	9.734	28.16	44.72
144.0	21.45	7.850	1.704	8.512	26.29	41.81
147.0	17.52	7.051	1.718	6.983	23.71	39.61
150.0	13.81	6.233	1.732	6.087	20.12	36.17
153.0	11.11	5.177	1.751	5.119	16.88	31.09
156.0	9.195	4.299	1.779	4.835	11.40	23.73
159.0	7.283	3.575	1.798	4.816	7.355	17.64
162.0	5.503	2.925	1.849	4.750	5.768	12.75
165.0	4.044	2.069	1.877	4.594	5.519	7.743
168.0	2.921	1.941	1.910	4.424	5.509	6.961
171.0	2.224	1.908	1.947	3.543	5.371	6.812
174.0	1.875	1.918	1.970	3.065	5.279	6.759
177.0	1.693	1.927	1.980	2.876	4.157	5.870
180.0	1.684	1.950	1.970	2.767	3.895	5.307

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:300 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: