

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

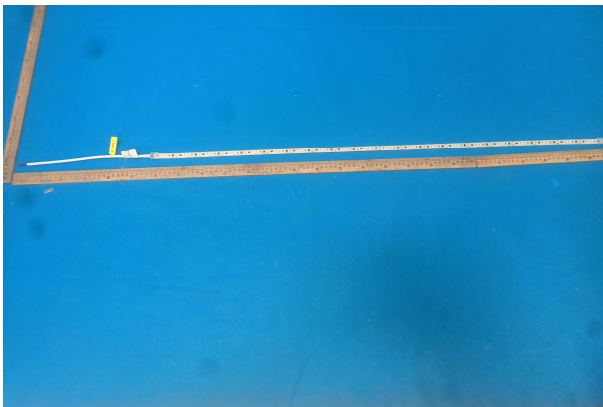
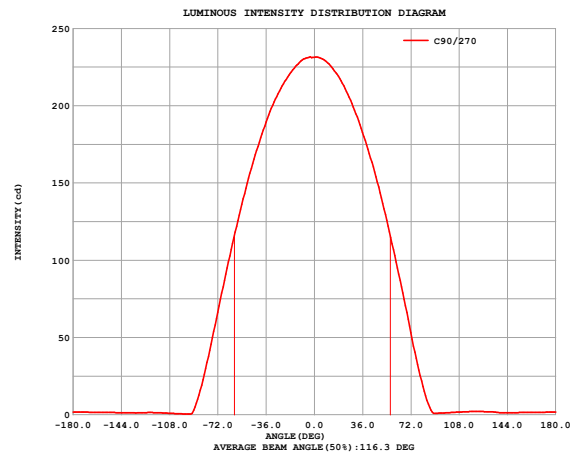
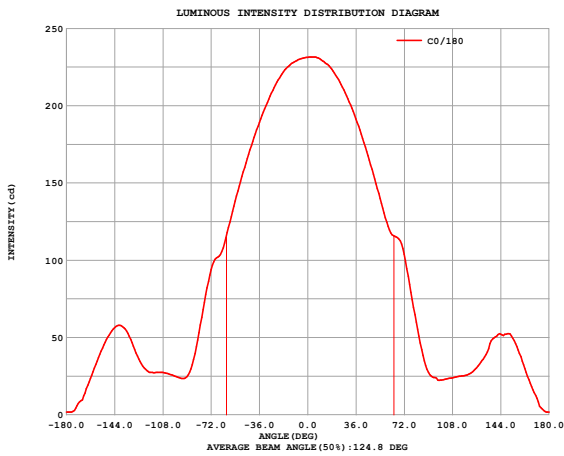
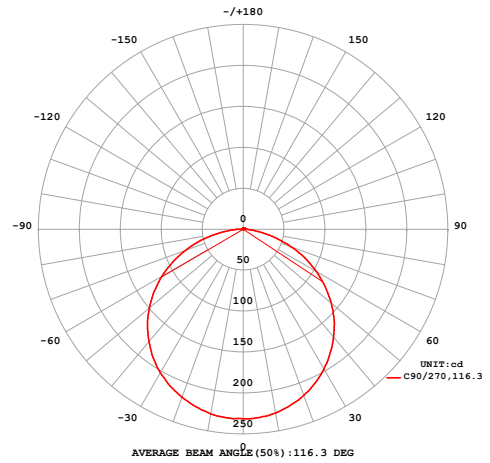
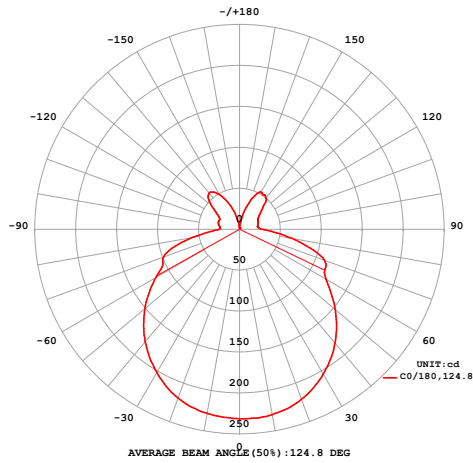


Fig. C0/C180

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:240 s

Fig. C90/C270

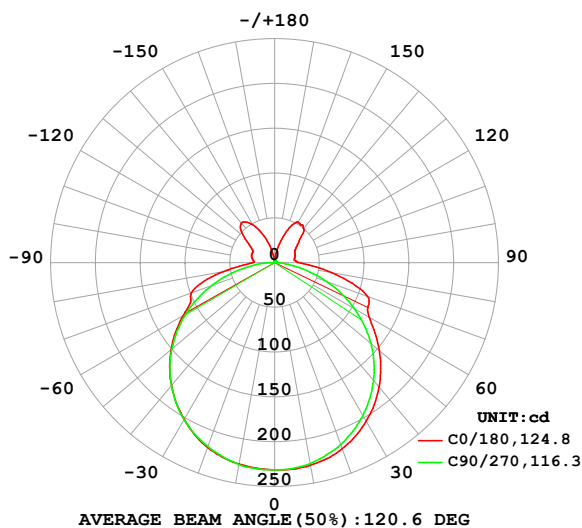
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

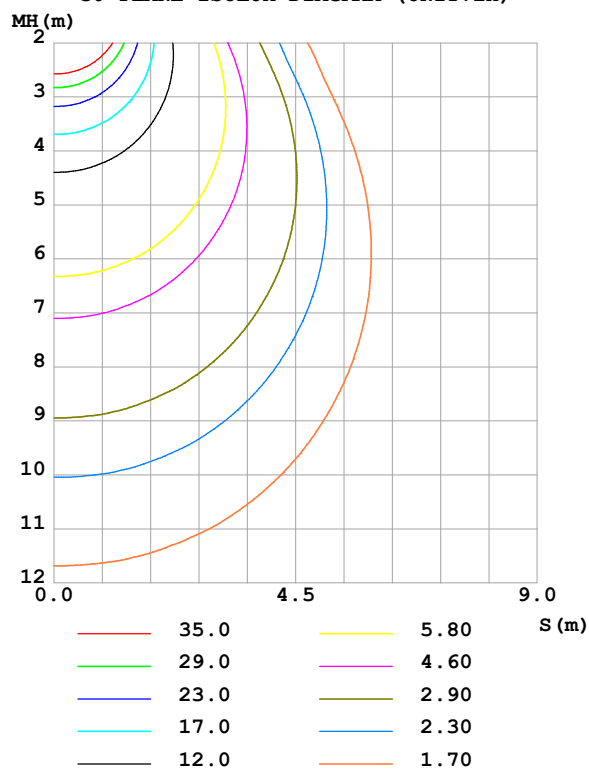
Test:U:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
		Eff: 103.92 lm/W			
MODEL	R50-2835HY-120L-3500K	I _{max} (cd)	231.8	S/MH(C0/180)	1.30
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	881.91	η UP,DN(C0-180)	7.2,42.3
NOMINAL FLUX(lm)	881.908	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.9,43.7
LAMPS INSIDE	1	η up (%)	14.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	100	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: 2026-08-31
Stability time: 240 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	229.7	229.1	227.8	228.0	228.3	228.8	228.9	229.9	0- 10	21.97	21.97	2.49,2.49
20	221.1	219.9	216.1	218.3	219.4	220.5	218.3	220.6	10- 20	63.53	85.50	9.7,9.7
30	204.5	203.3	197.2	201.5	202.1	204.5	202.5	204.4	20- 30	97.69	183.2	20.8,20.8
40	181.5	179.3	171.9	177.2	179.4	181.8	179.2	182.0	30- 40	120.0	303.2	34.4,34.4
50	152.5	149.5	140.3	147.8	151.0	153.5	149.9	153.6	40- 50	127.7	430.8	48.9,48.9
60	122.0	115.6	103.0	113.4	117.9	120.6	114.5	120.2	50- 60	119.5	550.3	62.4,62.4
70	110.5	87.17	61.81	81.27	98.90	85.53	74.59	90.37	60- 70	99.66	650.0	73.7,73.7
80	64.74	51.74	21.77	47.44	58.13	56.44	33.77	59.42	70- 80	73.57	723.5	82,82
90	27.53	21.47	0.9304	20.01	24.68	22.52	3.047	23.98	80- 90	34.48	758.0	86,86
100	22.56	19.00	1.385	21.66	25.38	20.90	0.6698	19.09	90-100	18.44	776.4	88,88
110	24.36	17.54	1.845	18.64	27.47	19.89	1.056	17.69	100-110	17.73	794.2	90.1,90.1
120	26.19	19.34	2.111	21.90	28.75	19.55	1.441	16.63	110-120	16.07	810.2	91.9,91.9
130	35.01	26.86	1.985	31.64	44.47	27.56	1.338	24.00	120-130	18.08	828.3	93.9,93.9
140	50.35	34.13	1.362	34.71	57.93	33.02	1.367	30.62	130-140	21.40	849.7	96.4,96.4
150	52.42	30.06	1.432	28.44	48.72	26.50	1.464	25.13	140-150	18.58	868.3	98.5,98.5
160	34.73	15.14	1.511	16.42	27.95	16.05	1.571	13.57	150-160	10.23	878.5	99.6,99.6
170	12.63	6.111	1.627	5.453	8.424	5.687	1.687	7.004	160-170	3.034	881.6	100,100
180	1.750	1.701	1.720	1.718	1.754	1.701	1.720	1.709	170-180	0.3371	881.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 367.05 lm

%lum = 41.6%

%lamp = 41.6%

Conical surface Flux(120deg): 550.3 lm

%lum = 62.4%

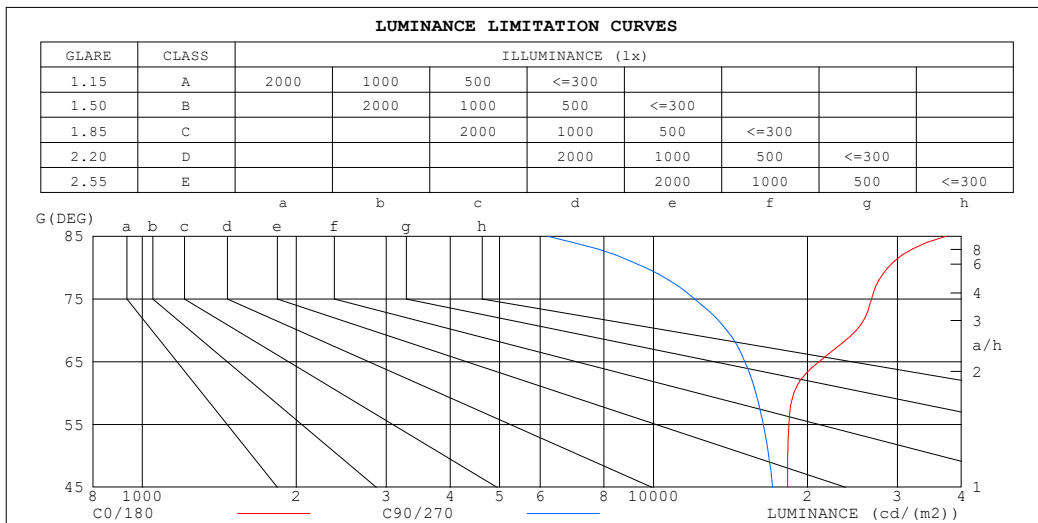
%lamp = 62.4%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:240 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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	37379	6210
80	28750	9651
75	26707	12048
70	24914	13913
65	21065	15088
60	18809	15855
55	18390	16396
50	18296	16809
45	18283	17100

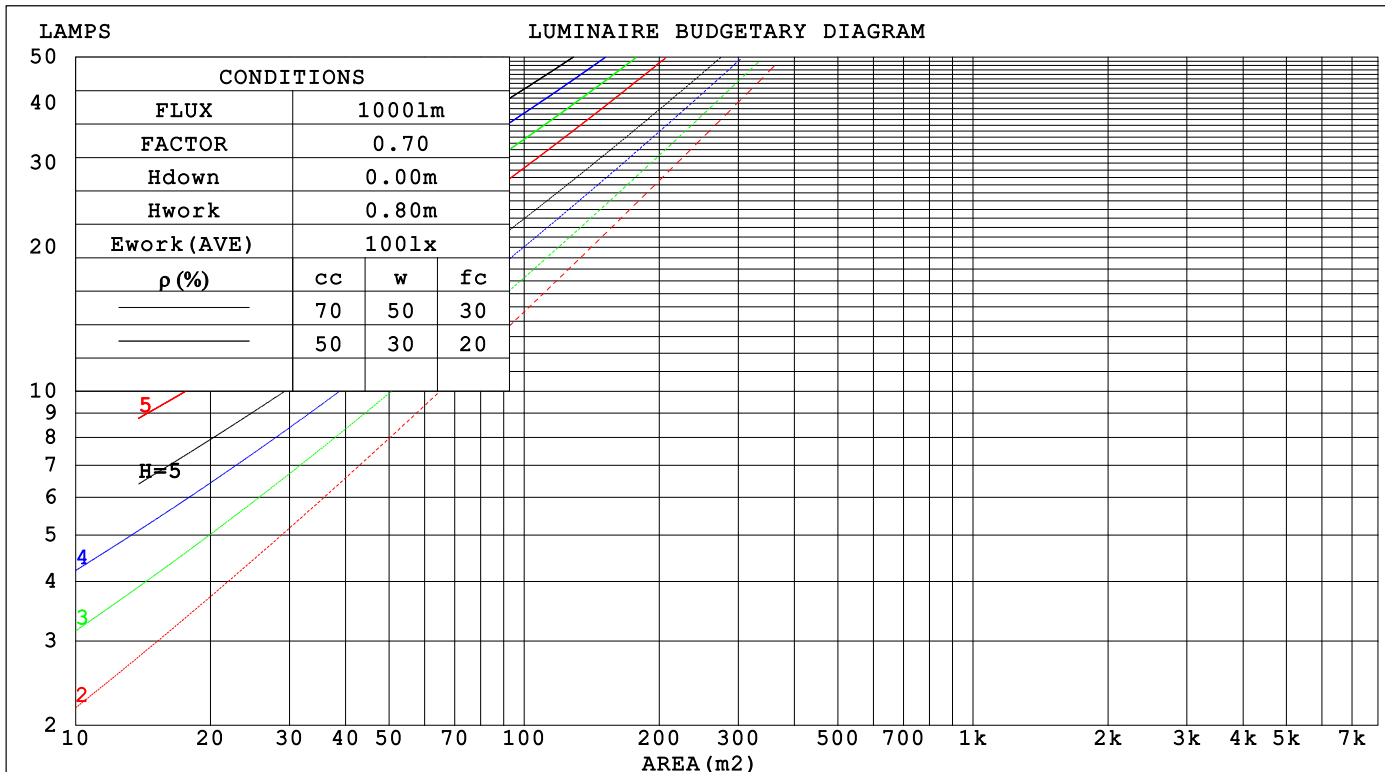
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Temperature:25.3°C
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Test Date:2026-08-31
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 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	.88	.85	.82	.82	.79	.77	.76	.74	.72	.69														
2.0	.85	.78	.72	.82	.76	.70	.76	.71	.66	.71	.67	.63	.66	.62	.59	.56														
3.0	.74	.66	.59	.72	.64	.58	.67	.60	.55	.62	.57	.52	.58	.53	.50	.47														
4.0	.66	.57	.50	.63	.55	.48	.59	.52	.46	.55	.49	.44	.51	.46	.42	.39														
5.0	.58	.49	.42	.56	.48	.41	.53	.45	.40	.49	.43	.38	.46	.41	.36	.34														
6.0	.52	.43	.37	.51	.42	.36	.47	.40	.35	.44	.38	.33	.42	.36	.32	.29														
7.0	.47	.38	.32	.46	.37	.32	.43	.36	.30	.40	.34	.29	.38	.32	.28	.26														
8.0	.43	.34	.29	.42	.34	.28	.39	.32	.27	.37	.31	.26	.35	.29	.25	.23														
9.0	.39	.31	.26	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.27	.23	.21														
10.0	.36	.28	.23	.35	.28	.23	.33	.27	.22	.31	.25	.21	.30	.24	.20	.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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 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	.340	.194	.061	.329	.188	.060	.308	.176	.056	.288	.166	.053	.270	.156	.050		
2.0	.308	.169	.052	.298	.164	.051	.279	.155	.048	.261	.146	.046	.245	.138	.044		
3.0	.280	.149	.045	.271	.145	.044	.253	.137	.042	.237	.130	.040	.222	.123	.038		
4.0	.255	.133	.039	.247	.129	.038	.231	.123	.037	.217	.116	.035	.203	.110	.034		
5.0	.234	.119	.035	.227	.116	.034	.212	.111	.033	.199	.105	.031	.187	.100	.030		
6.0	.216	.108	.031	.209	.106	.030	.196	.101	.029	.184	.096	.028	.173	.091	.027		
7.0	.200	.099	.028	.194	.097	.028	.182	.092	.027	.171	.088	.026	.161	.083	.025		
8.0	.186	.091	.026	.181	.089	.025	.170	.085	.024	.160	.081	.023	.150	.077	.022		
9.0	.174	.084	.024	.169	.082	.023	.159	.079	.022	.150	.075	.021	.141	.072	.021		
10.0	.163	.078	.022	.158	.077	.021	.149	.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	.298	.298	.298	.254	.254	.254	.174	.174	.174	.100	.100	.100	.032	.032	.032		
1.0	.290	.264	.240	.248	.226	.206	.170	.156	.143	.098	.090	.083	.031	.029	.027		
2.0	.283	.240	.205	.242	.207	.177	.166	.143	.123	.096	.083	.072	.031	.027	.024		
3.0	.276	.224	.182	.236	.193	.158	.162	.134	.111	.094	.078	.065	.030	.025	.021		
4.0	.268	.211	.167	.230	.182	.145	.158	.127	.102	.092	.074	.060	.029	.024	.020		
5.0	.261	.201	.157	.224	.174	.136	.154	.121	.096	.089	.071	.057	.029	.023	.019		
6.0	.253	.193	.149	.218	.167	.130	.150	.117	.092	.087	.069	.055	.028	.022	.018		
7.0	.247	.186	.144	.212	.161	.125	.147	.113	.089	.085	.067	.053	.028	.022	.017		
8.0	.240	.180	.140	.207	.157	.122	.143	.110	.086	.083	.065	.051	.027	.021	.017		
9.0	.234	.176	.136	.202	.152	.119	.140	.107	.084	.081	.063	.050	.026	.021	.017		
10.0	.228	.172	.134	.197	.149	.117	.137	.105	.083	.080	.062	.049	.026	.020	.016		

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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 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	22.7	24.1	23.2	24.5	25.0	22.1	23.5	22.5	23.9	24.4
3H	25.2	26.5	25.7	26.9	27.5	23.5	24.8	24.0	25.3	25.8
4H	26.4	27.6	26.9	28.1	28.7	24.1	25.3	24.6	25.8	26.3
6H	27.4	28.5	27.9	29.1	29.6	24.4	25.5	24.9	26.1	26.6
8H	27.8	28.9	28.4	29.5	30.0	24.5	25.6	25.0	26.1	26.7
12H	28.3	29.3	28.8	29.8	30.4	24.5	25.5	25.0	26.1	26.7
4H 2H	23.3	24.5	23.8	25.0	25.5	22.8	24.0	23.3	24.5	25.1
3H	26.0	27.1	26.6	27.6	28.2	24.5	25.6	25.1	26.1	26.7
4H	27.4	28.3	28.0	28.9	29.5	25.3	26.2	25.8	26.8	27.4
6H	28.6	29.4	29.2	30.0	30.6	25.8	26.6	26.4	27.2	27.9
8H	29.1	29.9	29.7	30.5	31.1	25.9	26.7	26.5	27.3	28.0
12H	29.6	30.3	30.2	30.9	31.6	26.0	26.7	26.6	27.3	28.0
8H 4H	27.7	28.5	28.3	29.1	29.7	25.9	26.7	26.5	27.3	28.0
6H	29.1	29.7	29.7	30.3	31.1	26.6	27.3	27.3	27.9	28.7
8H	29.7	30.3	30.4	31.0	31.7	26.9	27.5	27.6	28.1	28.9
12H	30.4	30.9	31.1	31.6	32.3	27.1	27.6	27.7	28.3	29.0
12H 4H	27.7	28.4	28.3	29.0	29.7	26.0	26.7	26.6	27.4	28.1
6H	29.1	29.7	29.8	30.4	31.1	26.9	27.5	27.5	28.1	28.9
8H	29.9	30.4	30.5	31.0	31.8	27.2	27.7	27.9	28.4	29.2
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 / - 0.2					+ 0.2 / - 0.4				

CIE Pub.117, 881.9 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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

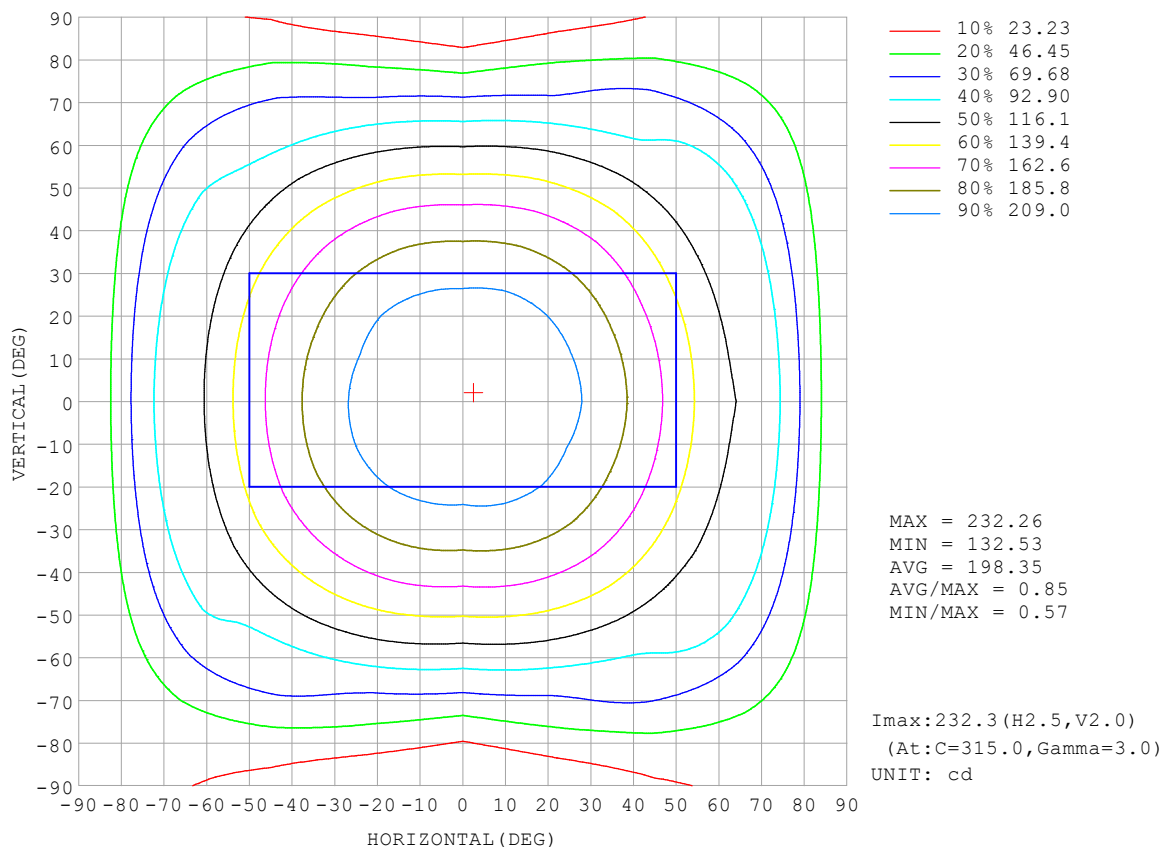
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	32	50	39	32	48	38	32	25
0.80	61	49	41	59	48	41	57	46	40	32
1.00	69	57	49	67	56	49	64	56	47	39
1.25	76	64	57	74	63	56	70	61	54	45
1.50	81	70	62	79	68	61	74	65	59	49
2.00	88	78	71	85	76	70	80	73	67	56
2.50	92	84	77	89	81	75	83	77	72	60
3.00	96	88	82	93	85	80	86	81	76	63
4.00	100	94	88	97	91	86	90	85	81	68
5.00	103	97	92	99	94	90	92	88	85	71
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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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.500
Humidity:65.0%
Test Distance:8.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

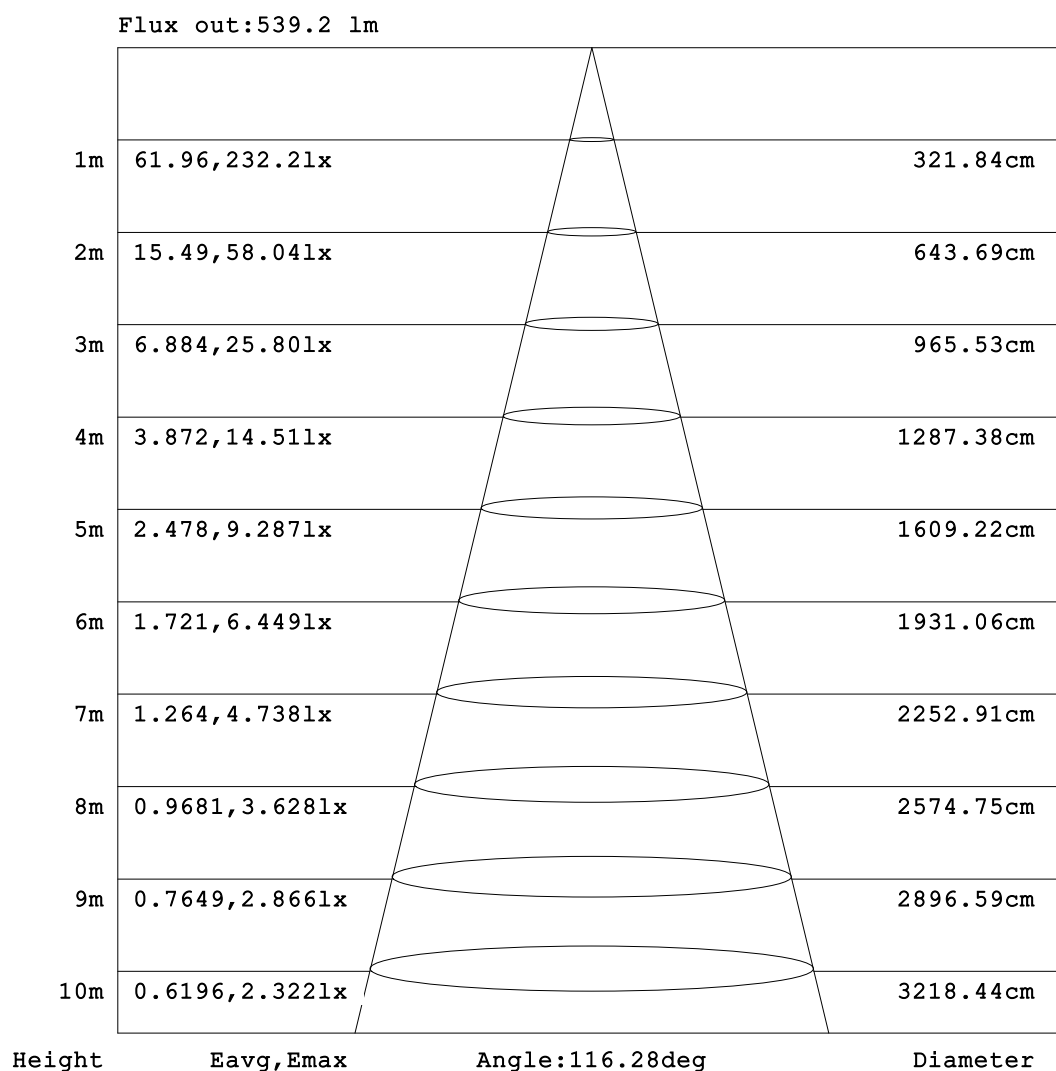


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:240 s

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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:



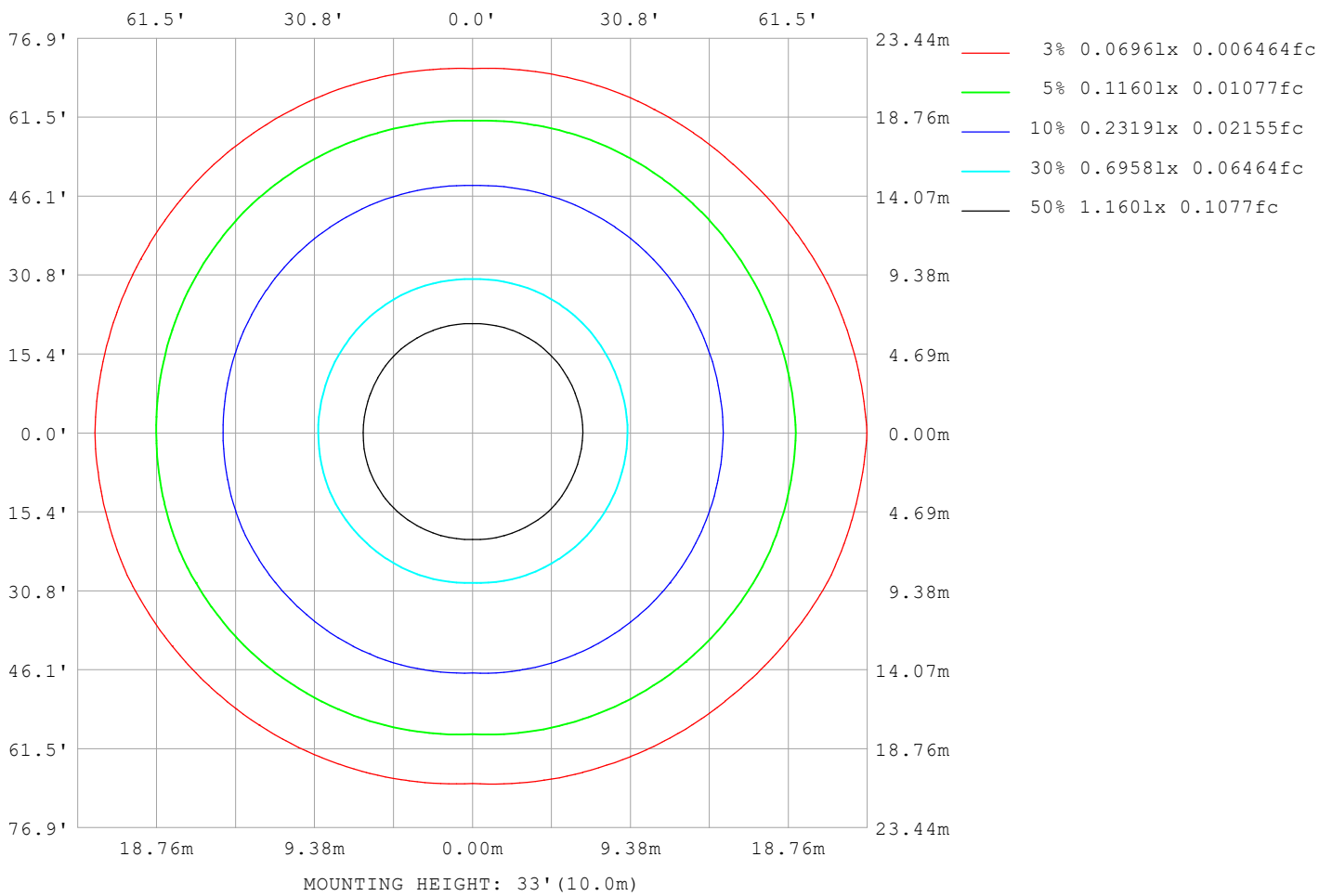
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-08-31
Stability time:240 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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 881.908x1 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:240 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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 1000mm*13mm	Shielding Angle:

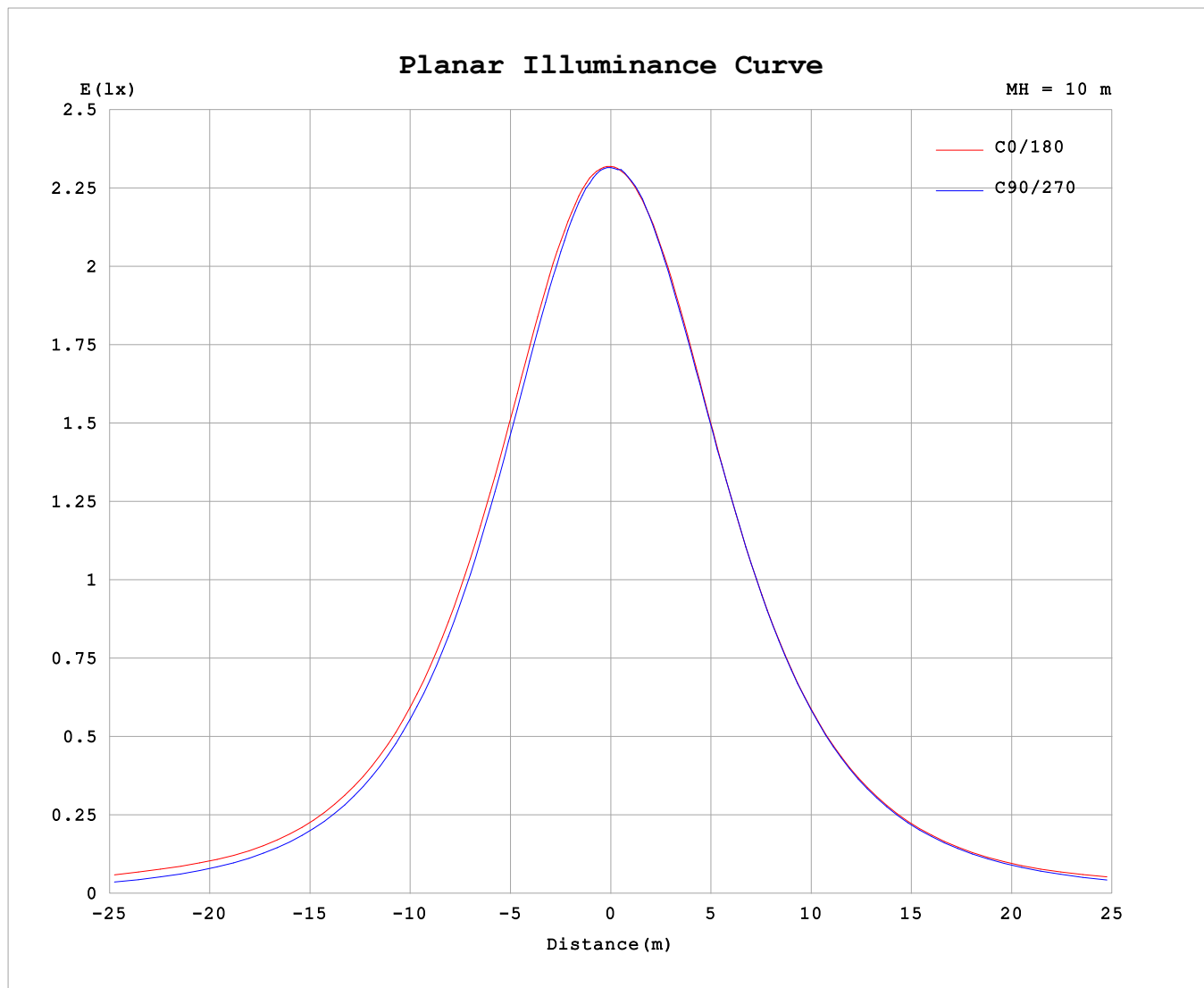
AvgL	cd/m2
L_0~180 (65) av	19935
L_0~180 (75) av	25520
L_0~180 (85) av	34449
L_90~270 (65) av	16180
L_90~270 (75) av	14029
L_90~270 (85) av	10076
L_45 (65) av	18192
L_45 (75) av	22095
L_45 (85) av	29927

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:240 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: 240 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:100.10V I:0.0930A P:8.4862W PF:0.9115 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:881.908x1 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	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231	231			
5	231	231	231	231	231	230	230	230	230	231	231	231	231	231	232	231			
10	230	230	229	229	228	227	228	228	228	229	229	229	229	229	230	230			
15	227	226	226	224	223	223	224	225	225	226	225	225	224	225	226	226			
20	221	221	220	218	216	216	218	220	219	220	220	219	218	220	221	221			
25	214	214	212	210	207	209	211	212	212	214	214	212	211	213	213	213			
30	204	205	203	200	197	199	202	203	202	205	204	203	203	204	204	203			
35	194	194	192	188	185	188	190	192	191	194	194	193	192	193	194	193			
40	181	182	179	176	172	175	177	179	179	182	182	181	179	181	182	181			
45	168	169	165	161	157	161	163	166	166	169	168	168	165	168	169	167			
50	153	153	150	145	140	144	148	151	151	155	154	152	150	153	154	152			
55	137	137	133	128	122	127	131	135	135	139	138	136	133	136	137	136			
60	122	122	116	109	103	108	113	118	118	121	121	118	115	118	120	120			
65	115	111	99.1	89.9	82.8	88.5	95.0	101	104	104	103	98.8	95.0	99.5	103	109			
70	110	105	87.2	70.9	61.8	68.5	81.3	95.2	98.9	96.9	85.5	79.2	74.6	80.2	90.4	105			
75	89.6	85.5	73.7	54.6	40.5	51.8	68.4	79.1	82.1	83.0	74.2	60.4	53.9	62.8	81.1	86.6			
80	64.7	61.4	51.7	36.1	21.8	34.4	47.4	55.8	58.1	60.5	56.4	43.8	33.8	47.0	59.4	62.8			
85	42.2	39.8	32.8	20.5	7.03	18.1	27.9	34.2	35.8	38.5	35.9	26.8	15.8	29.1	39.0	41.4			
90	27.5	26.3	21.5	11.8	0.93	11.7	20.0	23.9	24.7	25.6	22.5	14.0	3.05	15.7	24.0	26.7			
95	24.1	23.5	18.5	10.4	1.14	12.0	20.7	23.7	23.8	23.6	19.8	11.1	0.53	10.4	19.3	23.5			
100	22.6	22.4	19.0	10.2	1.38	10.6	21.7	25.2	25.4	25.3	20.9	10.5	0.67	10.1	19.1	22.2			
105	23.4	23.3	19.4	9.74	1.63	9.50	21.3	26.2	26.8	26.5	21.4	8.62	0.84	9.12	19.1	23.0			
110	24.4	24.1	17.5	9.87	1.84	9.58	18.6	26.1	27.5	26.5	19.9	8.42	1.06	6.62	17.7	23.2			
115	25.1	24.1	17.6	10.4	2.05	9.04	18.7	25.6	27.3	25.8	16.6	8.25	1.29	8.38	14.6	22.7			
120	26.2	23.7	19.3	11.8	2.11	11.1	21.9	25.4	28.8	25.2	19.6	8.62	1.44	9.66	16.6	20.6			
125	29.4	27.5	22.5	12.9	2.10	12.7	26.6	31.3	34.5	30.0	23.4	10.4	1.44	11.5	20.4	24.6			
130	35.0	33.7	26.9	13.7	1.99	12.9	31.6	40.1	44.5	37.7	27.6	11.1	1.34	12.6	24.0	30.3			
135	42.8	41.5	31.4	14.5	1.75	12.5	35.0	47.9	54.2	45.2	31.6	10.9	1.27	12.4	28.4	38.1			
140	50.3	46.6	34.1	15.0	1.36	13.2	34.7	51.5	57.9	48.2	33.0	11.8	1.37	12.1	30.6	42.8			
145	51.8	50.5	33.1	14.1	1.40	12.9	32.4	49.7	55.3	46.8	30.8	11.8	1.42	12.1	29.8	44.4			
150	52.4	49.1	30.1	11.8	1.43	11.0	28.4	43.4	48.7	41.9	26.5	10.4	1.46	10.6	25.1	44.8			
155	46.1	39.0	22.6	8.90	1.46	7.95	22.8	35.1	39.1	34.1	22.1	6.89	1.51	8.03	19.3	34.5			
160	34.7	27.5	15.1	6.96	1.51	5.63	16.4	25.3	28.0	24.6	16.0	5.55	1.57	7.04	13.6	22.2			
165	22.6	15.3	9.39	4.87	1.55	3.77	9.68	15.7	16.9	15.5	9.82	4.29	1.63	5.44	9.22	12.4			
170	12.6	7.44	6.11	2.98	1.63	2.38	5.45	7.54	8.42	8.14	5.69	2.66	1.69	2.99	7.00	6.24			
175	3.72	3.48	2.51	1.79	1.67	1.69	2.23	2.87	2.12	3.19	2.48	1.89	1.71	1.65	2.65	3.13			
180	1.75	1.75	1.70	1.87	1.72	1.67	1.72	1.70	1.75	1.75	1.70	1.88	1.72	1.69	1.71	1.71			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:240 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	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4	231.4
3.0	231.5	231.5	231.1	231.2	231.4	230.5	230.6	230.9	230.8	230.9
6.0	231.4	231.3	230.6	230.3	230.1	229.7	229.9	229.9	230.1	230.3
9.0	230.3	230.4	229.8	229.1	228.6	228.1	228.6	228.7	228.8	229.5
12.0	228.6	228.5	228.2	227.0	225.9	225.8	226.6	227.0	227.4	228.1
15.0	226.6	226.2	225.8	224.0	222.6	222.7	224.1	225.0	225.0	225.9
18.0	223.5	223.3	222.5	220.4	219.1	219.0	220.8	222.2	221.9	222.8
21.0	219.7	219.8	218.5	216.5	214.5	214.5	217.0	218.6	218.1	219.3
24.0	215.3	215.6	214.0	211.8	209.1	210.3	212.6	213.7	213.4	215.3
27.0	210.2	210.7	208.9	206.3	203.6	205.1	207.4	208.3	208.1	210.2
30.0	204.5	205.0	203.3	200.0	197.2	199.0	201.5	202.5	202.1	204.6
33.0	198.3	198.9	197.0	193.0	190.2	192.4	194.9	196.2	195.8	198.7
36.0	191.5	192.2	189.8	186.2	182.7	185.0	187.8	189.4	189.2	192.0
39.0	184.2	185.1	182.0	178.4	174.6	177.5	179.8	181.9	181.8	184.8
42.0	176.1	177.2	173.7	170.4	166.1	169.4	171.7	174.0	174.1	177.3
45.0	167.6	168.6	165.0	161.3	157.1	160.6	163.1	165.7	165.8	169.2
48.0	158.7	159.5	155.9	151.8	147.3	151.1	154.0	157.1	157.1	160.5
51.0	149.5	150.0	146.4	141.7	136.8	140.8	144.6	148.1	147.9	151.5
54.0	140.0	140.2	136.3	131.3	125.9	130.5	134.6	138.4	138.3	141.9
57.0	130.5	130.5	125.9	120.5	114.6	119.6	124.1	128.0	128.1	131.8
60.0	122.0	121.6	115.6	109.1	103.0	108.1	113.4	117.5	117.9	121.3
63.0	116.6	114.4	105.5	97.43	90.97	96.49	102.3	107.0	108.0	110.8
66.0	115.1	110.0	96.22	85.96	78.73	84.52	91.41	99.08	102.5	101.8
69.0	112.5	106.6	89.08	74.53	66.12	72.48	82.98	96.34	100.5	97.99
72.0	103.9	99.23	83.13	64.01	53.15	61.28	78.09	90.80	93.96	92.64
75.0	89.64	85.52	73.72	54.55	40.51	51.79	68.36	79.06	82.10	83.01
78.0	74.37	70.75	59.86	44.06	28.95	41.58	55.79	65.31	68.08	69.84
81.0	60.01	56.71	47.65	32.53	18.33	30.81	43.12	51.02	53.23	55.69
84.0	46.45	43.67	36.01	23.33	9.430	20.84	31.12	37.83	39.72	42.33
87.0	34.98	33.02	26.99	16.03	3.102	14.14	23.12	28.57	29.79	31.75
90.0	27.53	26.34	21.47	11.79	0.9304	11.74	20.01	23.88	24.68	25.58
93.0	24.51	23.98	20.07	10.22	1.041	11.90	20.15	23.28	23.47	23.52
96.0	23.64	22.24	18.57	10.42	1.185	11.95	20.91	24.07	24.06	23.93
99.0	22.42	22.31	18.89	10.28	1.338	10.96	21.52	24.94	25.04	24.98
102.0	22.87	22.79	19.22	9.988	1.491	9.844	21.82	25.68	25.98	25.88
105.0	23.43	23.30	19.40	9.741	1.631	9.496	21.33	26.23	26.84	26.52
108.0	24.00	23.77	18.87	9.733	1.761	9.450	20.32	26.28	27.36	26.65
111.0	24.57	24.18	16.99	9.994	1.891	9.648	18.17	26.00	27.48	26.38
114.0	24.97	24.18	17.10	10.24	2.017	9.174	18.11	25.62	27.33	25.86
117.0	25.32	23.32	18.12	10.78	2.092	9.571	19.67	24.48	27.50	24.85
120.0	26.19	23.66	19.34	11.77	2.111	11.13	21.90	25.39	28.75	25.20
123.0	27.83	25.72	20.66	12.64	2.101	12.37	24.23	28.52	31.64	27.58
126.0	30.37	28.65	23.35	13.03	2.083	12.74	27.76	32.96	36.18	31.30
129.0	33.78	32.38	25.88	13.59	2.013	12.99	31.13	38.14	42.30	36.01
132.0	37.32	36.64	29.02	13.91	1.939	12.35	33.31	43.63	48.81	41.02
135.0	42.78	41.50	31.45	14.54	1.749	12.54	34.96	47.92	54.16	45.17
138.0	49.20	44.55	33.31	14.76	1.409	13.08	35.38	50.74	57.08	47.59
141.0	50.88	47.51	34.33	14.88	1.371	13.10	34.35	51.29	57.90	48.43
144.0	52.10	49.42	33.75	14.53	1.399	12.92	32.90	50.20	56.29	47.44
147.0	52.14	50.63	32.50	13.36	1.418	12.24	31.19	47.43	53.11	45.34
150.0	52.42	49.09	30.06	11.76	1.432	11.04	28.44	43.44	48.72	41.85
153.0	49.61	43.33	25.68	9.791	1.450	9.243	25.16	38.78	43.21	37.36
156.0	44.19	36.18	21.06	8.513	1.483	7.279	21.53	33.22	37.00	32.18
159.0	37.58	29.86	16.56	7.303	1.501	5.915	17.88	27.28	30.23	26.59
162.0	29.87	22.33	12.36	6.208	1.529	4.829	13.92	21.35	23.46	20.72
165.0	22.62	15.29	9.395	4.873	1.553	3.766	9.680	15.65	16.92	15.46
168.0	16.28	9.827	7.461	3.558	1.590	2.892	6.644	10.70	9.717	10.83
171.0	10.63	6.550	5.446	2.617	1.646	2.241	4.677	6.750	7.339	7.219
174.0	4.612	4.327	3.174	1.789	1.669	1.712	2.601	3.743	2.714	3.921
177.0	2.119	1.886	1.646	1.807	1.683	1.679	1.732	1.816	1.717	2.048
180.0	1.750	1.746	1.701	1.872	1.720	1.670	1.718	1.701	1.754	1.746
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	231.4	231.4	231.4	231.4	231.4	231.4				
3.0	231.3	231.2	231.7	231.2	231.8	231.4				
6.0	230.7	230.4	230.7	230.8	231.6	231.0				
9.0	229.5	229.1	229.6	229.2	230.4	230.2				
12.0	227.6	227.0	227.0	227.6	228.6	228.5				
15.0	225.3	224.7	224.3	225.0	226.2	226.3				
18.0	222.6	221.1	220.8	221.9	223.1	223.3				
21.0	219.4	217.1	217.0	218.3	219.3	219.2				
24.0	215.2	213.4	212.8	214.2	215.1	214.6				
27.0	210.2	208.7	207.7	209.4	210.2	209.4				
30.0	204.5	203.4	202.5	204.2	204.4	203.3				

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:240 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	198.3	197.4	196.2	197.8	198.0	197.2
36.0	191.5	190.6	189.4	190.8	191.6	190.8
39.0	184.3	183.4	181.8	183.8	184.6	183.4
42.0	176.7	175.9	173.7	175.9	176.9	175.4
45.0	168.5	167.5	165.4	167.7	168.6	166.8
48.0	159.5	158.7	156.2	158.9	159.7	157.9
51.0	150.4	148.9	146.6	149.4	150.5	148.6
54.0	140.9	139.2	136.2	139.3	140.6	139.1
57.0	131.0	128.6	125.6	129.1	130.6	129.4
60.0	120.6	117.7	114.5	118.3	120.2	120.1
63.0	109.9	106.5	102.9	107.2	109.9	112.3
66.0	98.77	94.91	90.94	95.65	99.92	108.3
69.0	88.32	83.11	78.76	84.03	92.25	106.5
72.0	81.40	71.34	66.36	72.67	87.40	99.97
75.0	74.23	60.37	53.90	62.76	81.05	86.61
78.0	64.17	50.69	41.63	54.04	68.35	72.37
81.0	52.31	40.37	29.98	42.98	55.31	58.35
84.0	39.81	30.15	19.11	32.31	42.90	45.47
87.0	29.27	20.48	10.09	22.79	32.21	34.12
90.0	22.52	13.99	3.047	15.74	23.98	26.68
93.0	20.11	11.45	0.4513	12.11	20.50	23.90
96.0	19.94	11.02	0.5533	10.42	18.52	22.97
99.0	20.68	10.96	0.6465	10.27	18.91	22.07
102.0	21.23	9.476	0.7394	10.41	19.11	22.56
105.0	21.41	8.623	0.8420	9.117	19.11	23.02
108.0	20.66	8.390	0.9763	7.558	18.74	23.11
111.0	19.14	8.519	1.112	7.386	17.05	23.17
114.0	16.80	8.512	1.246	8.164	14.84	22.98
117.0	17.28	7.977	1.381	8.759	12.89	21.16
120.0	19.55	8.622	1.441	9.663	16.63	20.59
123.0	22.08	9.583	1.464	10.78	19.25	22.82
126.0	24.26	10.66	1.418	11.98	20.78	25.71
129.0	26.82	11.07	1.357	12.63	22.84	29.11
132.0	29.47	10.63	1.259	12.00	25.59	32.79
135.0	31.64	10.90	1.269	12.44	28.42	38.13
138.0	32.92	11.53	1.339	12.09	30.28	40.61
141.0	32.69	11.92	1.376	12.17	30.43	43.34
144.0	31.77	11.88	1.413	12.10	30.40	43.98
147.0	28.91	11.60	1.437	11.90	27.42	45.58
150.0	26.50	10.39	1.464	10.55	25.13	44.77
153.0	23.99	8.219	1.492	8.943	22.40	38.88
156.0	20.96	6.294	1.529	7.577	18.15	32.21
159.0	17.29	5.684	1.557	7.146	14.63	24.63
162.0	13.62	5.137	1.599	6.619	11.51	18.94
165.0	9.815	4.286	1.632	5.443	9.219	12.37
168.0	6.786	3.326	1.655	3.936	8.143	8.146
171.0	4.944	2.505	1.683	2.490	6.381	5.590
174.0	2.926	1.919	1.701	1.642	3.396	3.826
177.0	1.747	1.877	1.715	1.665	1.704	1.897
180.0	1.701	1.882	1.720	1.689	1.709	1.706

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-31
Stability time:240 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: