

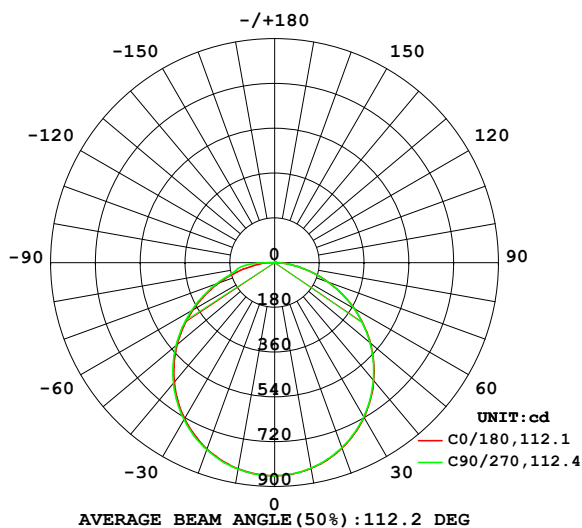
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz
Lamp Flux:2473.1x1 lm

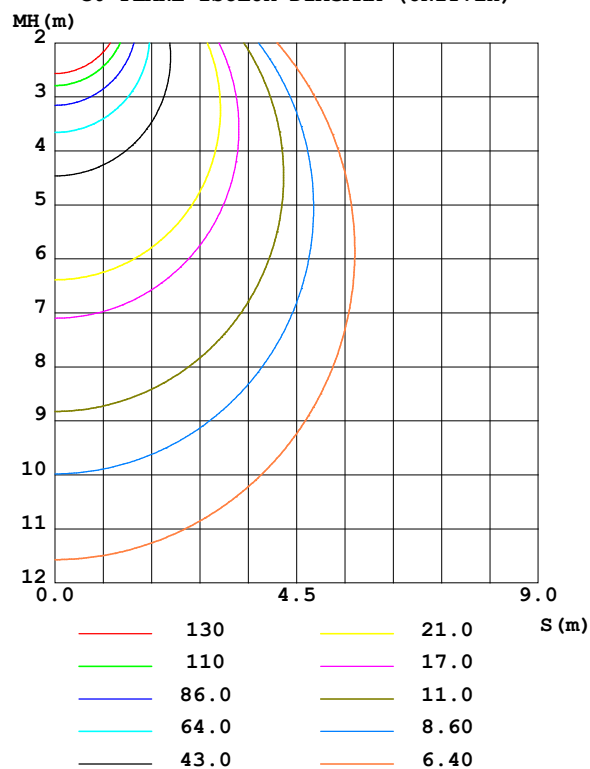
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 62.99 lm/W
MODEL	EGRF2440LAJUDBK_3500K	I _{max} (cd)	856.6	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2473.1	η UP,DN(C0-180)	0.1,48.8	
NOMINAL FLUX(lm)	2473.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,51.0	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down (%)	99.8	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

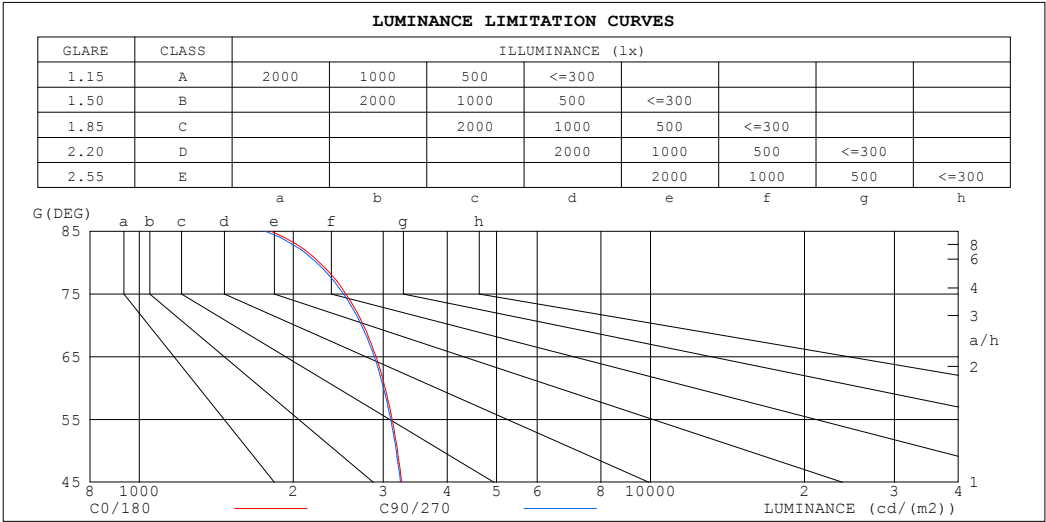
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	840.1	838.8	841.6	843.4					0- 10	81.01	81.01	3.28,3.28
20	792.9	791.0	796.6	799.8					10- 20	231.9	312.9	12.7,12.7
30	718.5	716.2	724.1	728.7					20- 30	351.0	663.9	26.8,26.8
40	620.0	617.3	627.4	633.1					30- 40	422.8	1087	43.9,43.9
50	502.5	499.6	511.1	517.6					40- 50	438.2	1525	61.7,61.7
60	369.9	367.1	379.0	386.5					50- 60	395.9	1921	77.7,77.7
70	229.4	227.5	238.3	249.0					60- 70	302.8	2224	89.9,89.9
80	95.57	94.33	103.9	152.9					70- 80	179.7	2403	97.2,97.2
90	0.1610	0.1658	0.1327	0.5452					80- 90	64.17	2467	99.8,99.8
100	0.2650	0.3870	0.3594	0.2871					90-100	0.2415	2468	99.8,99.8
110	0.5356	0.6411	0.6523	0.5909					100-110	0.4885	2468	99.8,99.8
120	0.8008	0.8897	0.9396	0.8838					110-120	0.7358	2469	99.8,99.8
130	1.049	1.138	1.210	1.149					120-130	0.9054	2470	99.9,99.9
140	1.215	1.304	1.448	1.387					130-140	0.9579	2471	99.9,99.9
150	1.387	1.464	1.658	1.569					140-150	0.8973	2472	99.9,99.9
160	1.580	1.641	1.840	1.746					150-160	0.7444	2472	100,100
170	1.735	1.779	1.968	1.873					160-170	0.5016	2473	100,100
180	1.961	1.906	1.989	1.923					170-180	0.1783	2473	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
 Humidity:65.0%
 Test Distance:8.800m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1811	1764
80	2252	2223
75	2532	2508
70	2744	2721
65	2904	2879
60	3027	3004
55	3123	3103
50	3198	3180
45	3260	3243

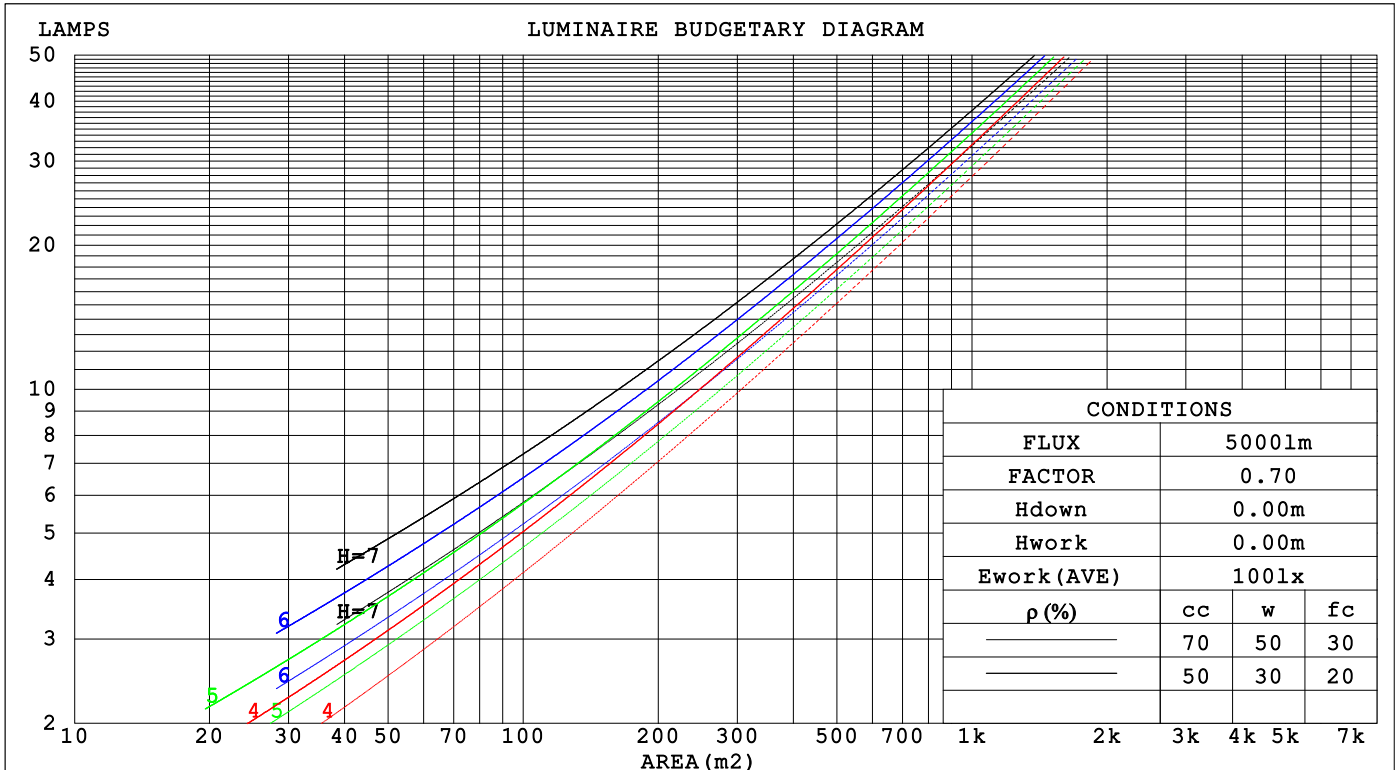
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	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															



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.: 3500K	
MFR.:		SUR.: 0.558		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	.318	.181	.057	.311	.177	.056	.298	.171	.055	.285	.165	.053	.274	.159	.051	
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.145	.046	
3.0	.273	.145	.044	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.074	.021	

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.183	.158	.135	.156	.135	.117	.107	.093	.081	.062	.054	.047	.020	.017	.015	
2.0	.175	.134	.099	.150	.115	.086	.103	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.167	.116	.076	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.137	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.152	.092	.049	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.118	.067	.030	.082	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.131	.071	.030	.113	.062	.027	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.108	.058	.023	.075	.041	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.: 3500K			
MFR.:					SUR.: 0.558			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		16.7	18.3	17.0	18.5	18.7	16.7	18.2	17.0	18.4	18.7
3H		18.2	19.6	18.5	19.9	20.1	18.2	19.6	18.5	19.9	20.1
4H		18.8	20.2	19.1	20.4	20.7	18.8	20.1	19.1	20.4	20.7
6H		19.2	20.5	19.6	20.8	21.1	19.2	20.5	19.5	20.7	21.0
8H		19.4	20.6	19.7	20.9	21.2	19.3	20.6	19.7	20.8	21.1
12H		19.4	20.6	19.8	20.9	21.2	19.4	20.6	19.7	20.9	21.2
4H 2H		17.3	18.7	17.6	18.9	19.2	17.3	18.7	17.6	18.9	19.2
3H		19.0	20.2	19.4	20.5	20.8	19.0	20.2	19.3	20.5	20.8
4H		19.7	20.8	20.1	21.1	21.5	19.7	20.8	20.1	21.1	21.4
6H		20.3	21.2	20.7	21.6	22.0	20.2	21.2	20.6	21.6	21.9
8H		20.5	21.3	20.9	21.7	22.1	20.4	21.3	20.8	21.7	22.1
12H		20.6	21.4	21.0	21.8	22.2	20.5	21.3	20.9	21.7	22.1
8H 4H		20.0	20.9	20.4	21.3	21.6	20.0	20.9	20.4	21.2	21.6
6H		20.7	21.4	21.1	21.8	22.3	20.6	21.4	21.1	21.8	22.2
8H		20.9	21.6	21.4	22.0	22.5	20.9	21.6	21.4	22.0	22.4
12H		21.1	21.7	21.6	22.1	22.6	21.1	21.6	21.6	22.1	22.6
12H 4H		20.0	20.8	20.4	21.2	21.6	20.0	20.8	20.4	21.2	21.6
6H		20.7	21.4	21.2	21.8	22.3	20.7	21.4	21.2	21.8	22.2
8H		21.0	21.6	21.5	22.1	22.5	21.0	21.6	21.5	22.0	22.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 2473 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 3.1$)
Area: 0.2444 m²

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:

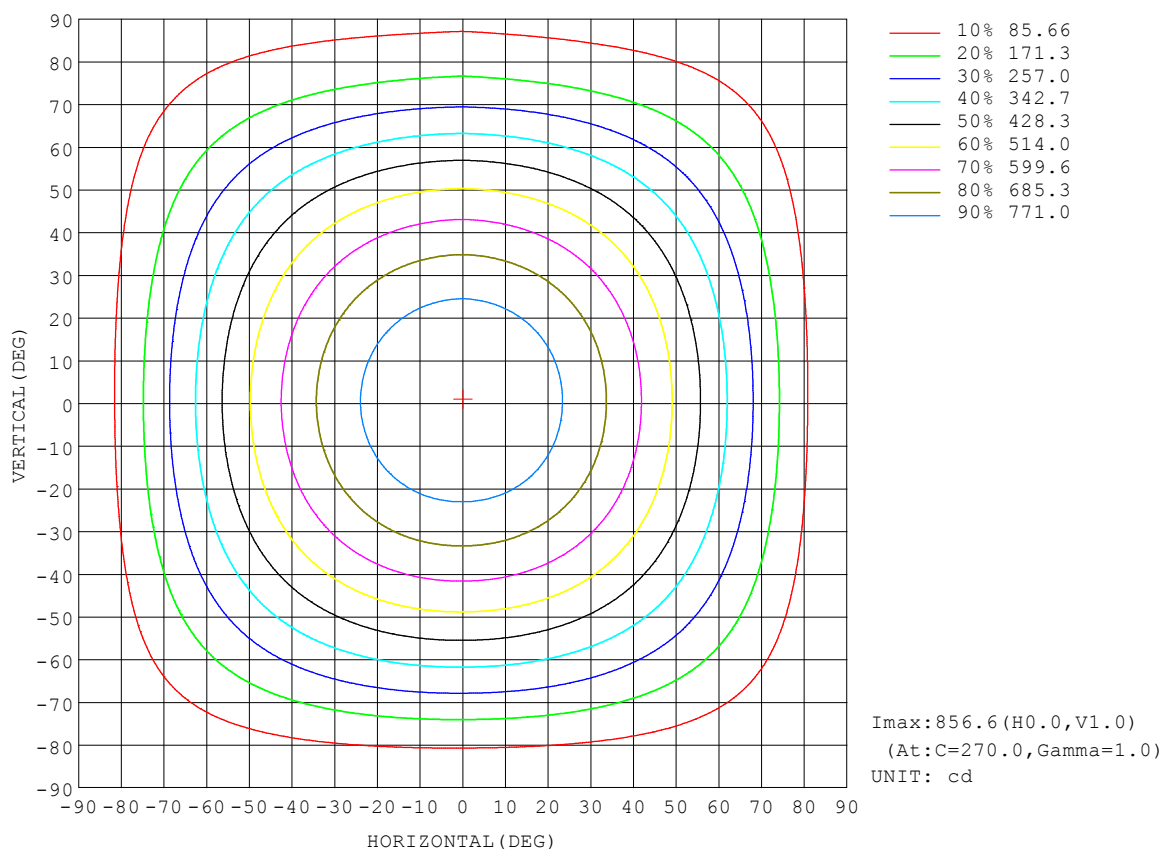
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	70	86	77	70	83	75	69	61
2.00	94	86	79	93	85	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	98	94	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
 Humidity: 65.0%
 Test Distance: 8.800m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:

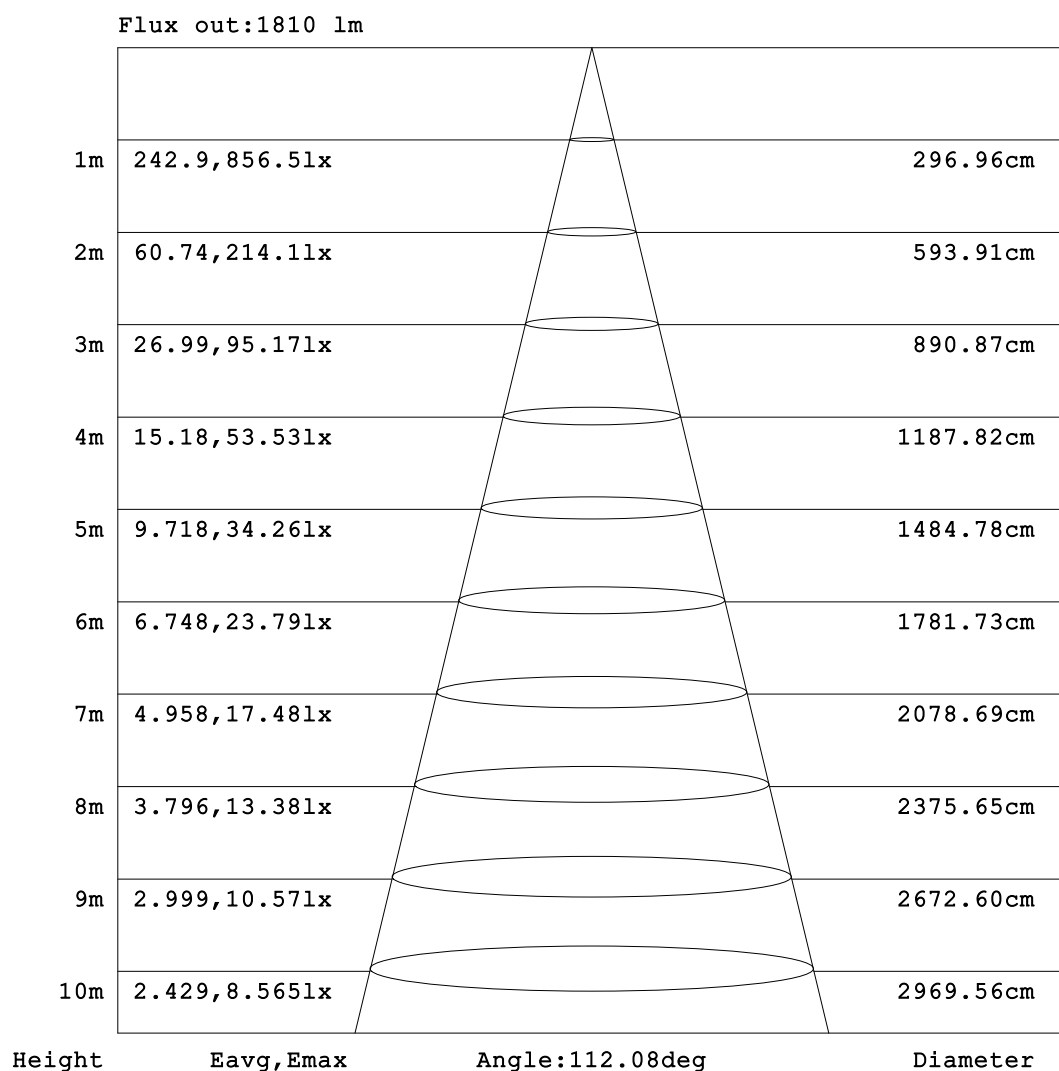


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:



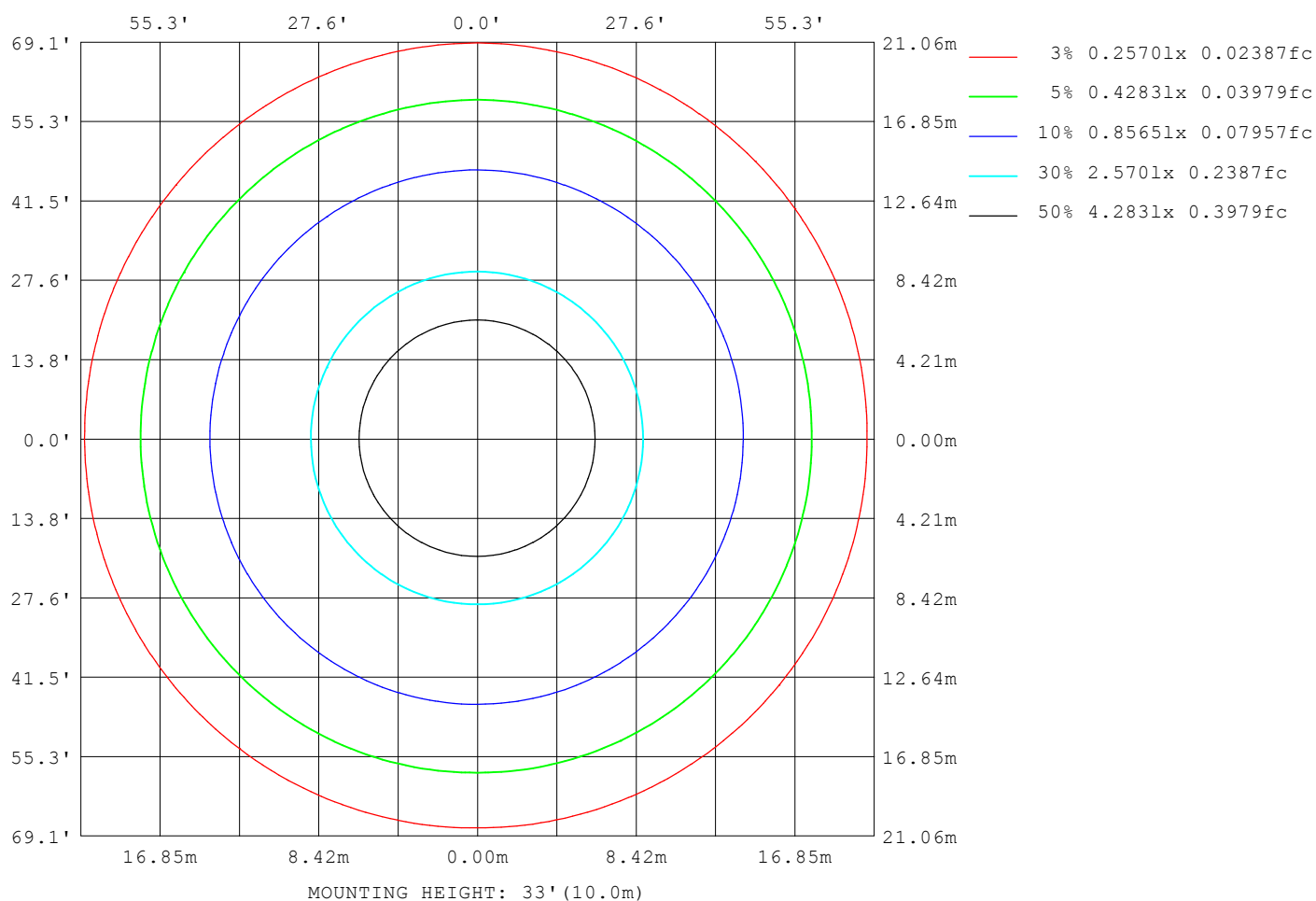
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:

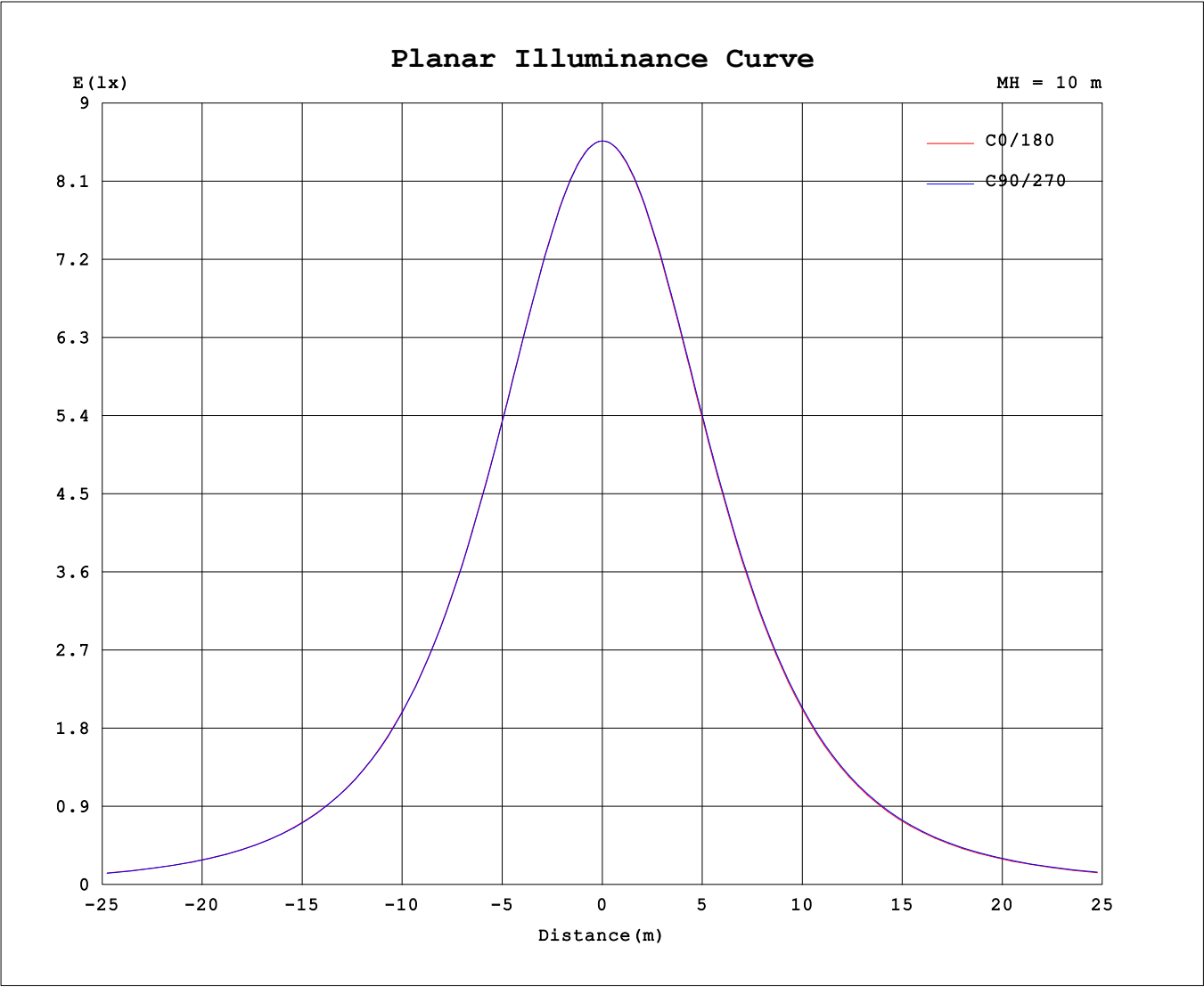
AvgL	cd/m2
L_0~180 (65) av	2947
L_0~180 (75) av	2602
L_0~180 (85) av	2233
L_90~270 (65) av	2977
L_90~270 (75) av	2710
L_90~270 (85) av	3499
L_45 (65) av	2968
L_45 (75) av	2673
L_45 (85) av	3051

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.76V I:0.3316A P:39.261W PF:0.9884 Freq:59.98Hz Lamp Flux:2473.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.558	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	857	857	857	857														
5	852	852	853	854														
10	840	839	842	843														
15	820	819	823	825														
20	793	791	797	800														
25	759	757	763	768														
30	719	716	724	729														
35	672	670	679	684														
40	620	617	627	633														
45	563	560	572	578														
50	502	500	511	518														
55	438	435	447	454														
60	370	367	379	387														
65	300	297	309	318														
70	229	227	238	249														
75	160	159	169	184														
80	95.6	94.3	104	153														
85	38.6	37.6	56.6	111														
90	0.16	0.17	0.13	0.55														
95	0.15	0.27	0.23	0.18														
100	0.27	0.39	0.36	0.29														
105	0.40	0.51	0.50	0.44														
110	0.54	0.64	0.65	0.59														
115	0.66	0.76	0.81	0.74														
120	0.80	0.89	0.94	0.88														
125	0.93	1.01	1.09	1.03														
130	1.05	1.14	1.21	1.15														
135	1.13	1.22	1.34	1.29														
140	1.22	1.30	1.45	1.39														
145	1.29	1.38	1.55	1.49														
150	1.39	1.46	1.66	1.57														
155	1.48	1.56	1.76	1.66														
160	1.58	1.64	1.84	1.75														
165	1.66	1.72	1.92	1.82														
170	1.73	1.78	1.97	1.87														
175	1.80	1.83	1.98	1.91														
180	1.96	1.91	1.99	1.92														

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:8.800m [K=1.0000]
Remarks: