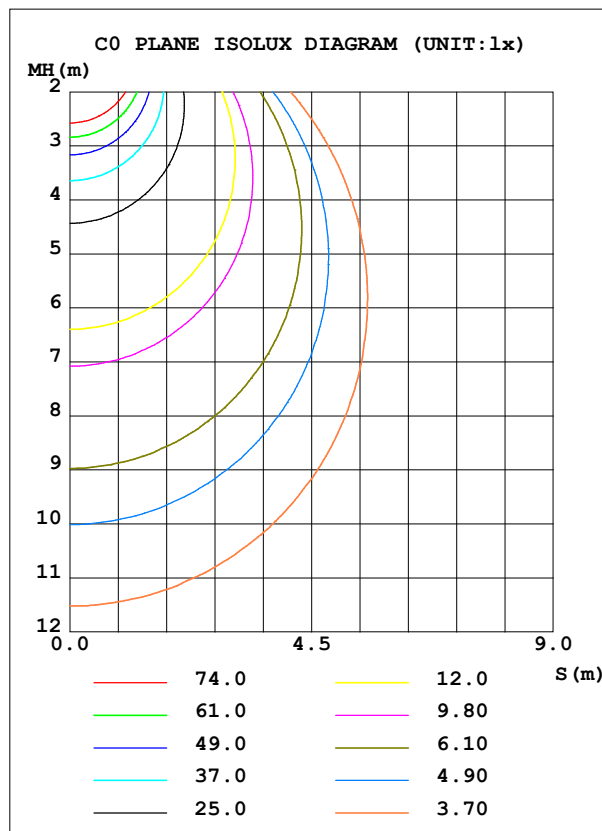
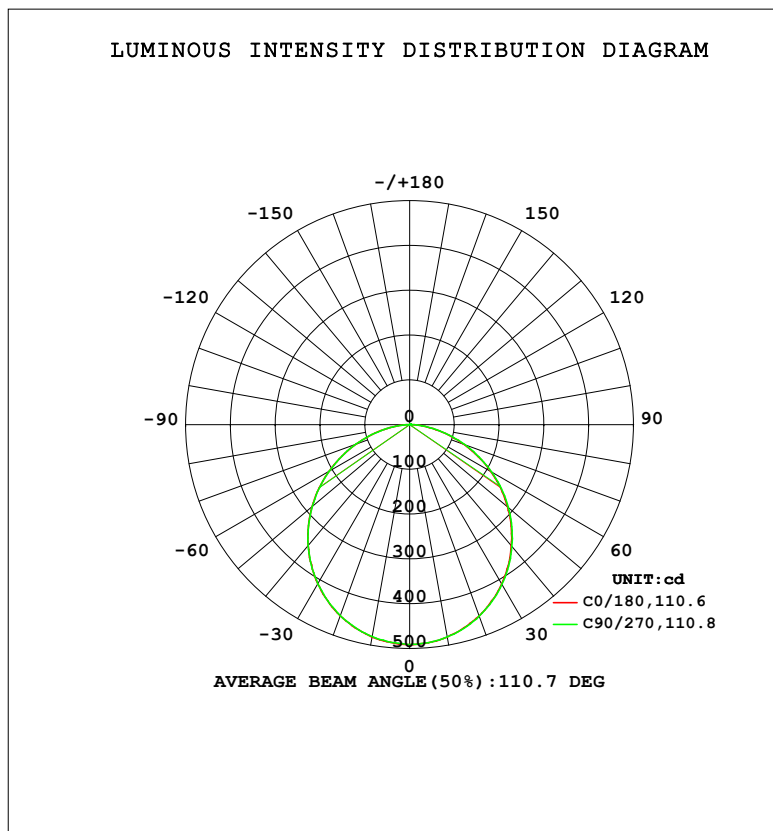


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
		Eff: 52.82 lm/W			
MODEL	EONF14LAJD1BK_2700K	Imax (cd)	491.1	S/MH (C0/180)	1.24
NOMINAL POWER (W)	28	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1376.7	η UP, DN (C0-180)	0.1, 50.1
NOMINAL FLUX (lm)	1376.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.6
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



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-07

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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:

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

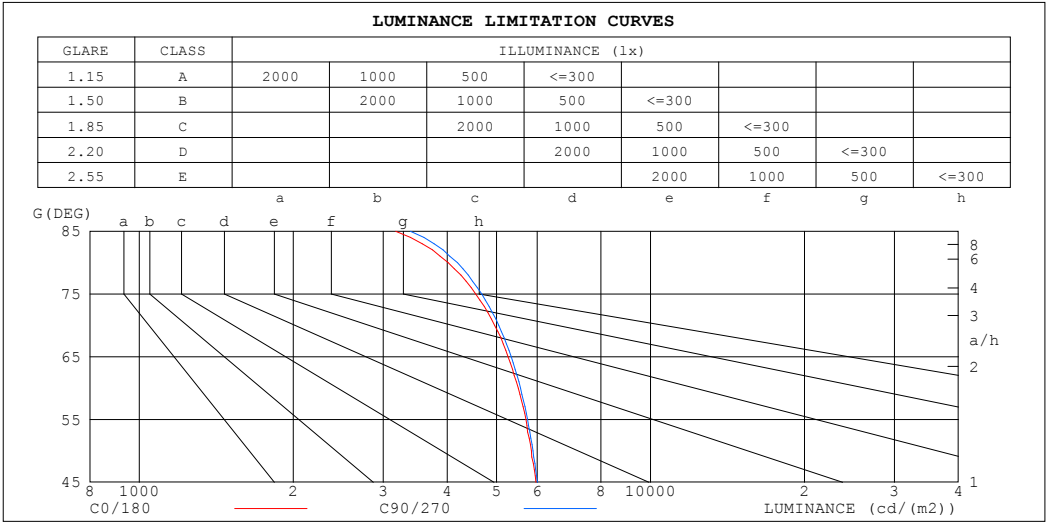
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	482.0	481.5	481.7	480.5					0- 10	46.38	46.38	3.37,3.37
20	454.7	455.1	454.3	453.7					10- 20	132.6	179.0	13,13
30	410.9	412.2	410.6	410.1					20- 30	200.2	379.1	27.5,27.5
40	353.0	355.1	352.7	352.4					30- 40	240.1	619.2	45,45
50	285.6	287.8	284.6	283.8					40- 50	247.3	866.5	62.9,62.9
60	209.3	211.6	207.6	207.2					50- 60	221.6	1088	79,79
70	128.7	131.2	126.6	127.3					60- 70	166.9	1255	91.2,91.2
80	53.06	55.30	51.16	51.53					70- 80	94.59	1350	98,98
90	0.0216	0.0001	0.0111	0.0120					80- 90	24.01	1374	99.8,99.8
100	0.0661	0.1218	0.1493	0.0993					90-100	0.0518	1374	99.8,99.8
110	0.2208	0.2875	0.3262	0.2817					100-110	0.2048	1374	99.8,99.8
120	0.3976	0.4644	0.5195	0.4751					110-120	0.3691	1374	99.8,99.8
130	0.5631	0.6357	0.7072	0.6575					120-130	0.4938	1375	99.9,99.9
140	0.6959	0.7682	0.8784	0.8232					130-140	0.5533	1375	99.9,99.9
150	0.8394	0.8954	1.022	0.9670					140-150	0.5385	1376	99.9,99.9
160	0.9665	1.022	1.160	1.105					150-160	0.4602	1376	100,100
170	1.099	1.139	1.245	1.205					160-170	0.3165	1377	100,100
180	1.248	1.249	1.259	1.238					170-180	0.1145	1377	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:2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3171	3391
80	4022	4189
75	4553	4674
70	4953	5047
65	5264	5337
60	5510	5566
55	5704	5744
50	5848	5890
45	5968	6010

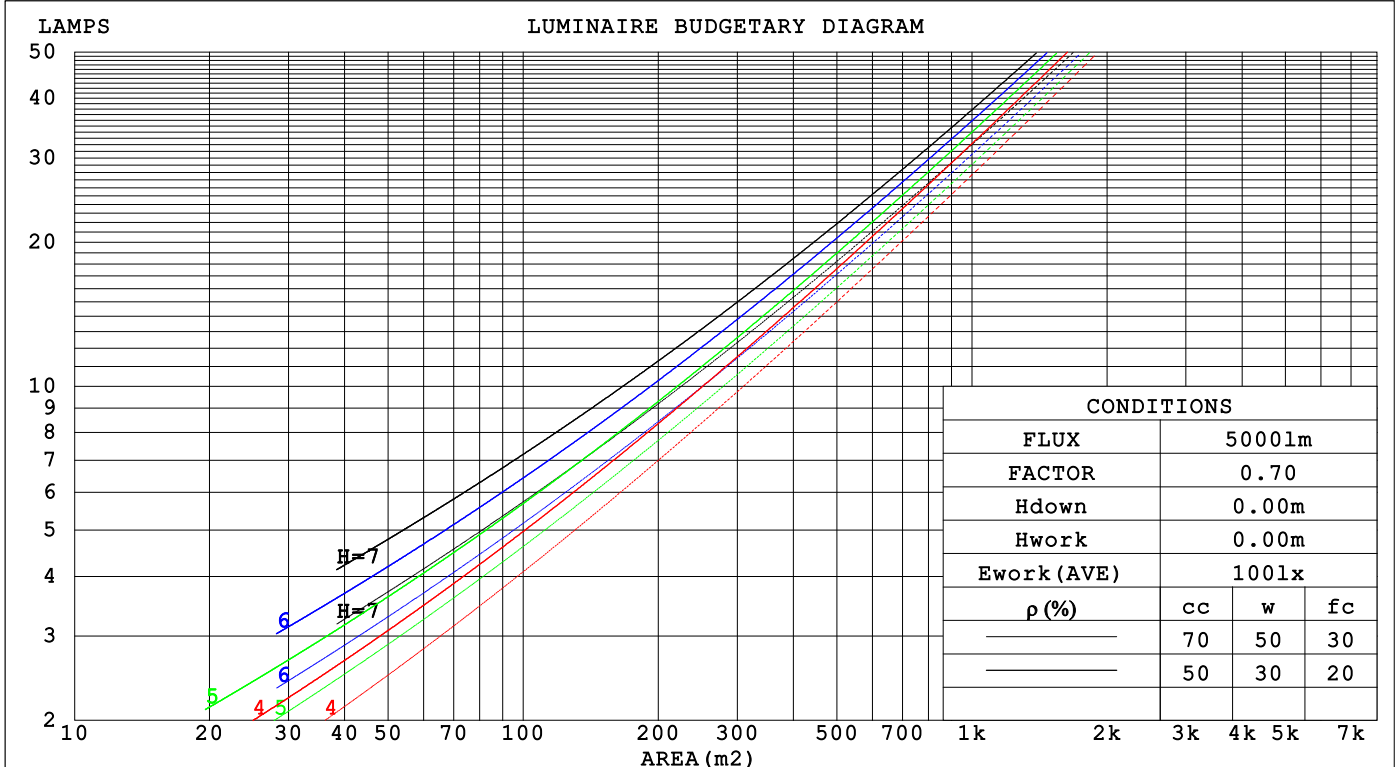
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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:2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.: 2700K	
MFR.:		SUR.: 0.312		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	.307	.175	.055	.300	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049															
2.0	.290	.159	.049	.283	.156	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045															
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040															
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036															
5.0	.229	.117	.034	.225	.116	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032															
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029															
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027															
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.165	.085	.025															
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.161	.080	.023	.156	.079	.023															
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.147	.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	.182	.158	.136	.156	.136	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.134	.100	.149	.115	.086	.102	.080	.060	.059	.046	.035	.019	.015	.012	
3.0	.166	.116	.076	.142	.100	.066	.098	.070	.046	.056	.041	.027	.018	.013	.009	
4.0	.158	.103	.060	.136	.089	.052	.093	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.049	.130	.080	.043	.089	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.036	.085	.051	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.130	.071	.031	.112	.062	.027	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.124	.066	.027	.107	.058	.024	.074	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.: 2700K				
MFR.:			SUR.: 0.312			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	17.8	19.3	18.1	19.5	19.7	17.8	19.3	18.1	19.6	19.8
3H	19.3	20.7	19.6	20.9	21.2	19.3	20.7	19.6	21.0	21.2
4H	19.9	21.2	20.2	21.4	21.7	19.9	21.3	20.2	21.5	21.8
6H	20.3	21.5	20.6	21.8	22.1	20.4	21.6	20.7	21.9	22.2
8H	20.4	21.6	20.7	21.9	22.2	20.5	21.7	20.8	22.0	22.3
12H	20.4	21.6	20.8	21.9	22.2	20.6	21.7	20.9	22.0	22.3
4H 2H	18.4	19.7	18.7	20.0	20.2	18.4	19.8	18.7	20.0	20.3
3H	20.1	21.2	20.4	21.5	21.8	20.1	21.3	20.5	21.6	21.9
4H	20.8	21.8	21.1	22.2	22.5	20.8	21.9	21.2	22.2	22.6
6H	21.3	22.2	21.7	22.6	23.0	21.4	22.3	21.8	22.7	23.1
8H	21.5	22.4	21.9	22.7	23.1	21.6	22.4	22.0	22.8	23.2
12H	21.6	22.4	22.0	22.8	23.2	21.7	22.5	22.1	22.9	23.3
8H 4H	21.0	21.9	21.4	22.3	22.7	21.1	22.0	21.5	22.3	22.7
6H	21.7	22.4	22.2	22.8	23.3	21.8	22.5	22.2	22.9	23.4
8H	22.0	22.6	22.4	23.0	23.5	22.0	22.7	22.5	23.1	23.6
12H	22.1	22.7	22.6	23.1	23.6	22.2	22.8	22.7	23.2	23.7
12H 4H	21.0	21.9	21.5	22.2	22.7	21.1	21.9	21.5	22.3	22.7
6H	21.8	22.4	22.2	22.8	23.3	21.8	22.5	22.3	22.9	23.4
8H	22.1	22.6	22.5	23.1	23.5	22.1	22.7	22.6	23.1	23.6
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, 1377 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.1$)
Area: 0.076 m²

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

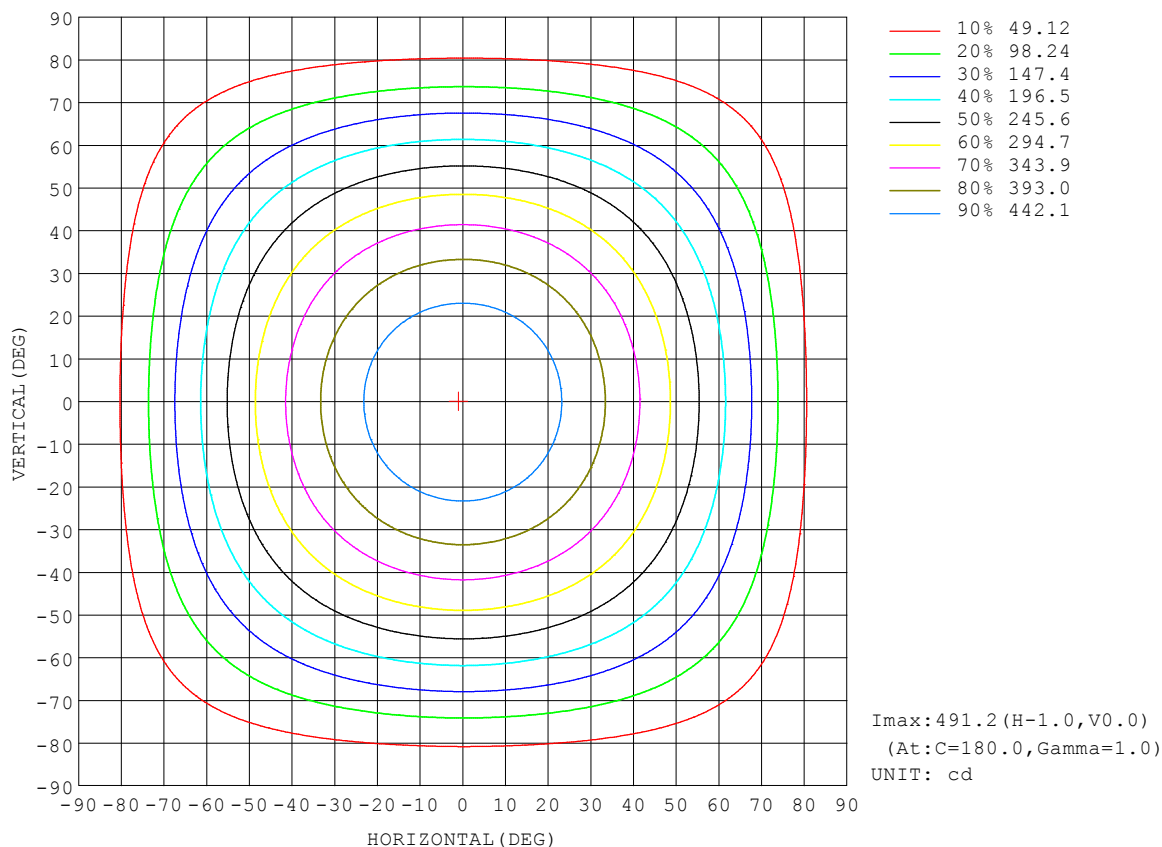
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	87	78	71	84	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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: 2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

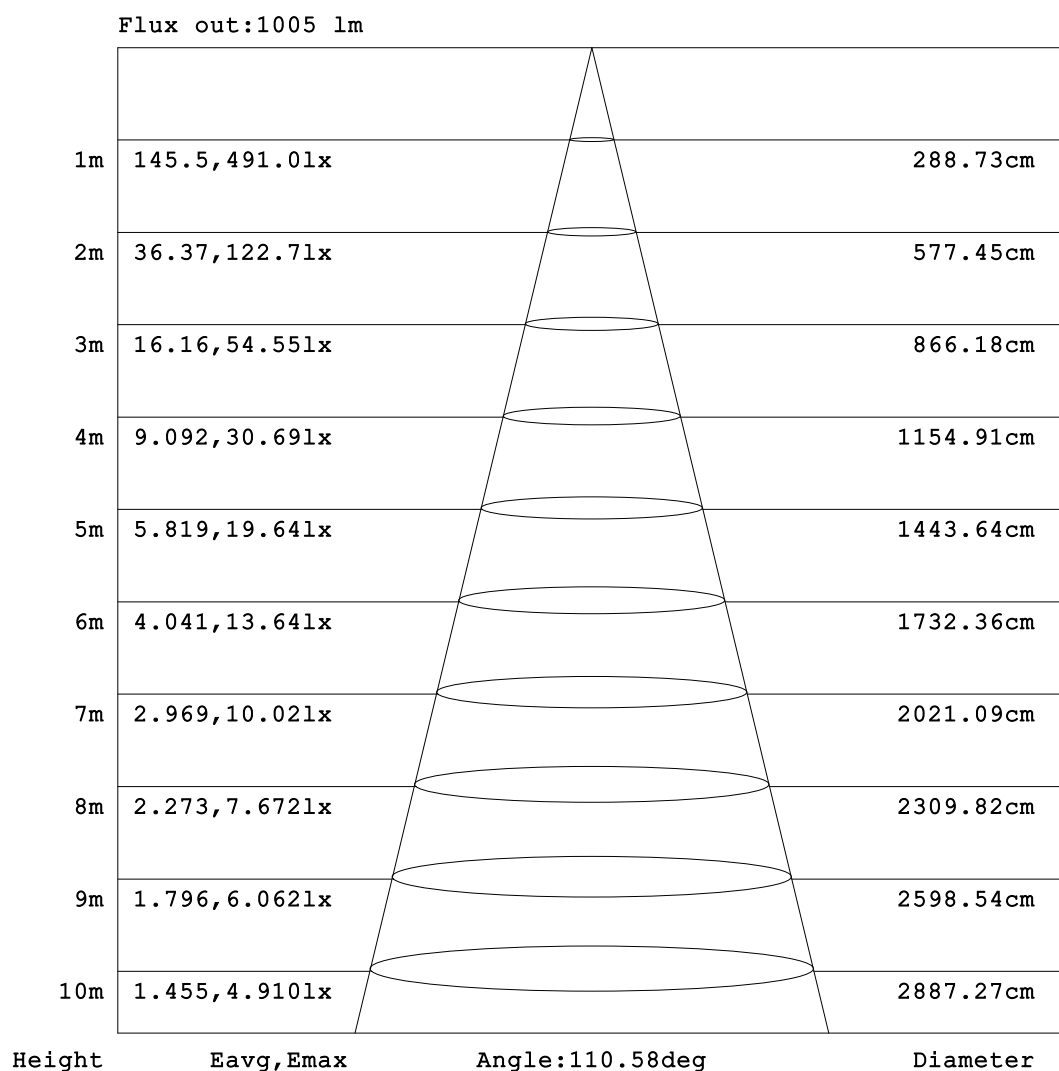


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:



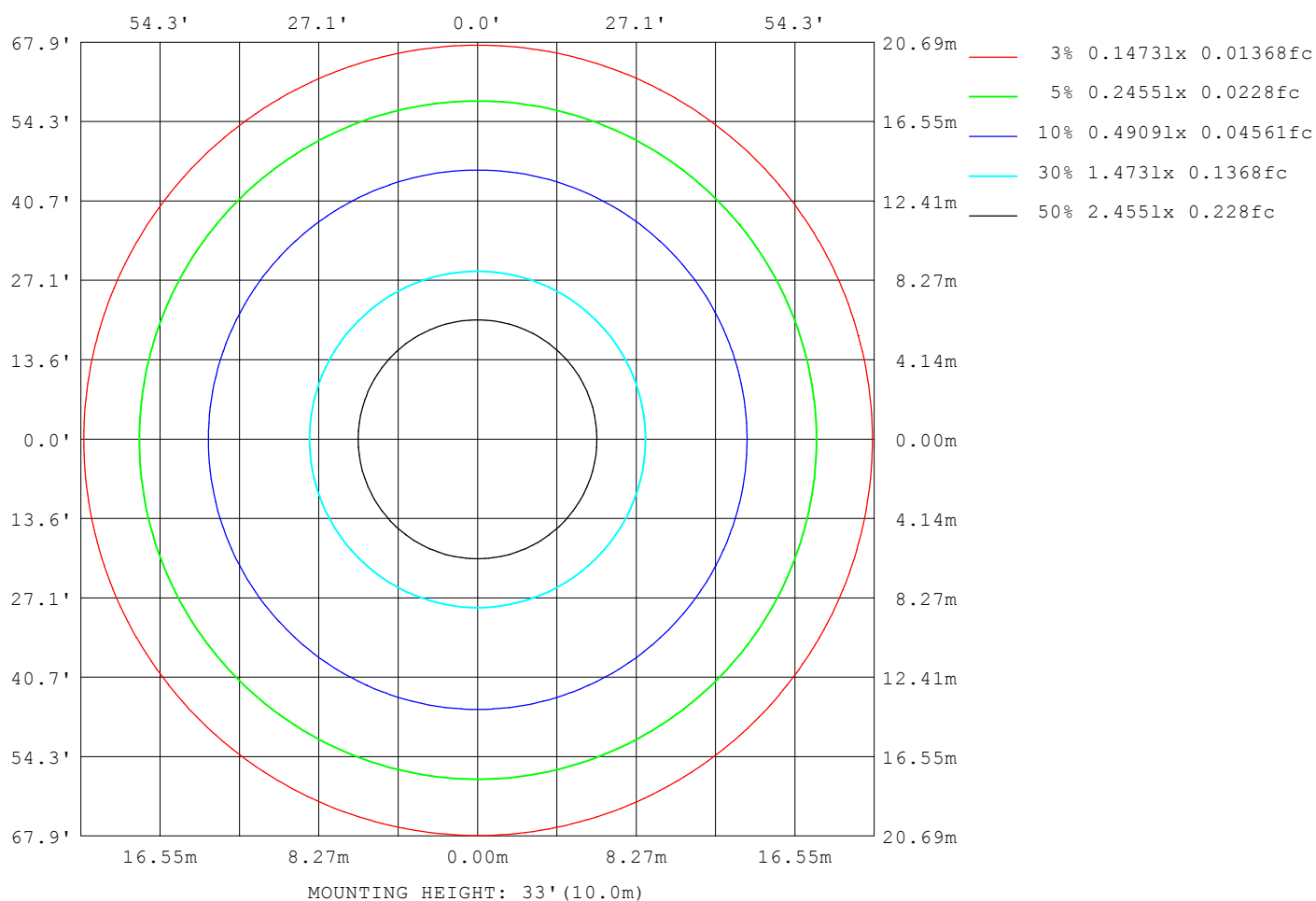
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

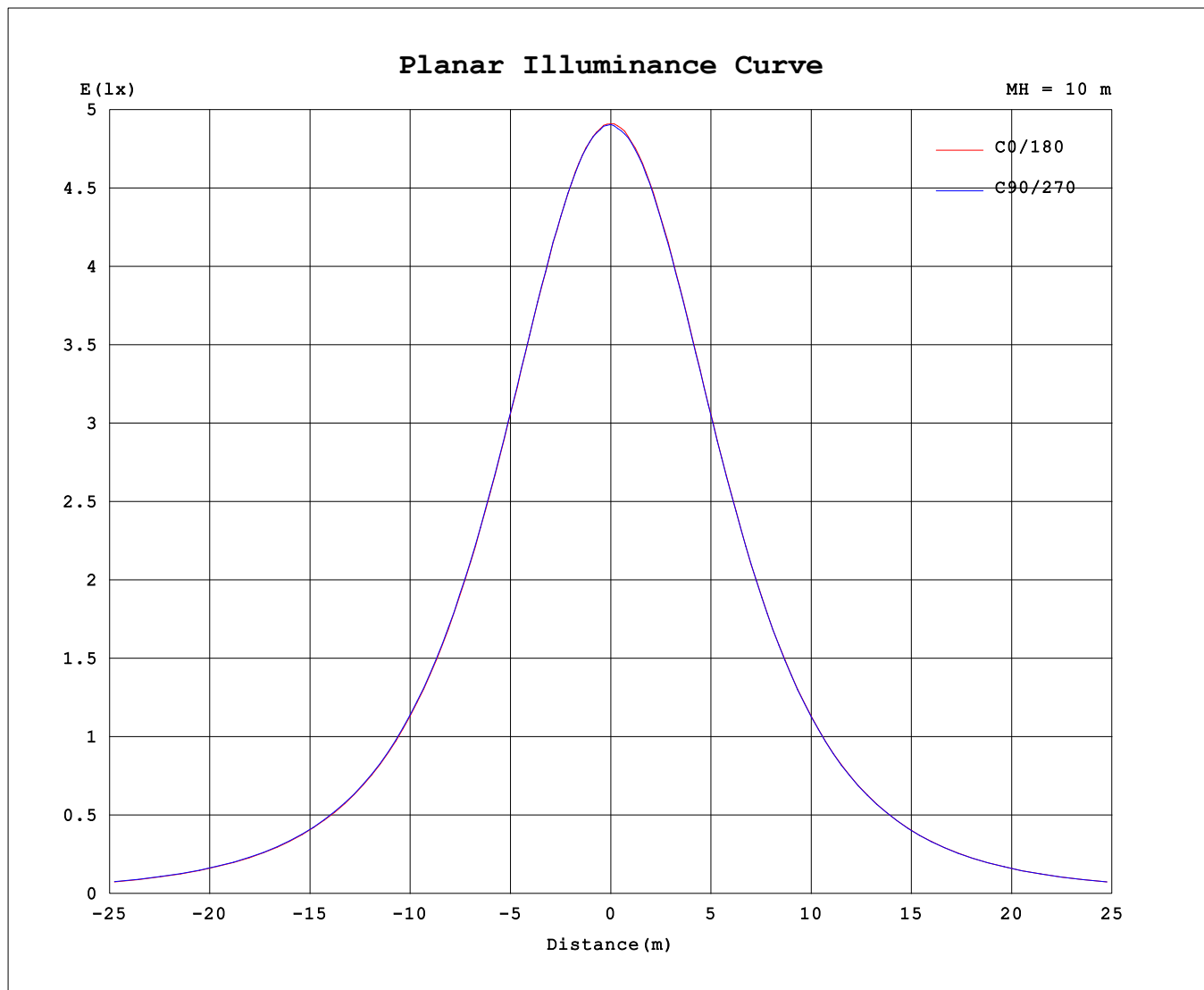
AvgL	cd/m2
L_0~180 (65) av	5230
L_0~180 (75) av	4499
L_0~180 (85) av	3061
L_90~270 (65) av	5275
L_90~270 (75) av	4577
L_90~270 (85) av	3128
L_45 (65) av	5256
L_45 (75) av	4545
L_45 (85) av	3096

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:
Test Date: 2025-07-07

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:119.96V I:0.2337A P:26.065W PF:0.9298 Freq:59.98Hz Lamp Flux:1376.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	491	491	491	491														
5	488	488	488	488														
10	482	482	482	481														
15	470	470	470	469														
20	455	455	454	454														
25	434	435	434	434														
30	411	412	411	410														
35	384	386	382	383														
40	353	355	353	352														
45	321	323	320	319														
50	286	288	285	284														
55	249	250	247	247														
60	209	212	208	207														
65	169	171	167	167														
70	129	131	127	127														
75	89.5	92.0	87.5	88.1														
80	53.1	55.3	51.2	51.5														
85	21.0	22.5	19.5	19.0														
90	0.02	0.00	0.01	0.01														
95	0.01	0.05	0.08	0.03														
100	0.07	0.12	0.15	0.10														
105	0.14	0.20	0.24	0.19														
110	0.22	0.29	0.33	0.28														
115	0.31	0.38	0.42	0.38														
120	0.40	0.46	0.52	0.48														
125	0.48	0.55	0.61	0.57														
130	0.56	0.64	0.71	0.66														
135	0.64	0.70	0.79	0.75														
140	0.70	0.77	0.88	0.82														
145	0.77	0.82	0.96	0.90														
150	0.84	0.90	1.02	0.97														
155	0.91	0.96	1.09	1.03														
160	0.97	1.02	1.16	1.11														
165	1.04	1.09	1.22	1.15														
170	1.10	1.14	1.25	1.20														
175	1.17	1.20	1.26	1.23														
180	1.25	1.25	1.26	1.24														

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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: