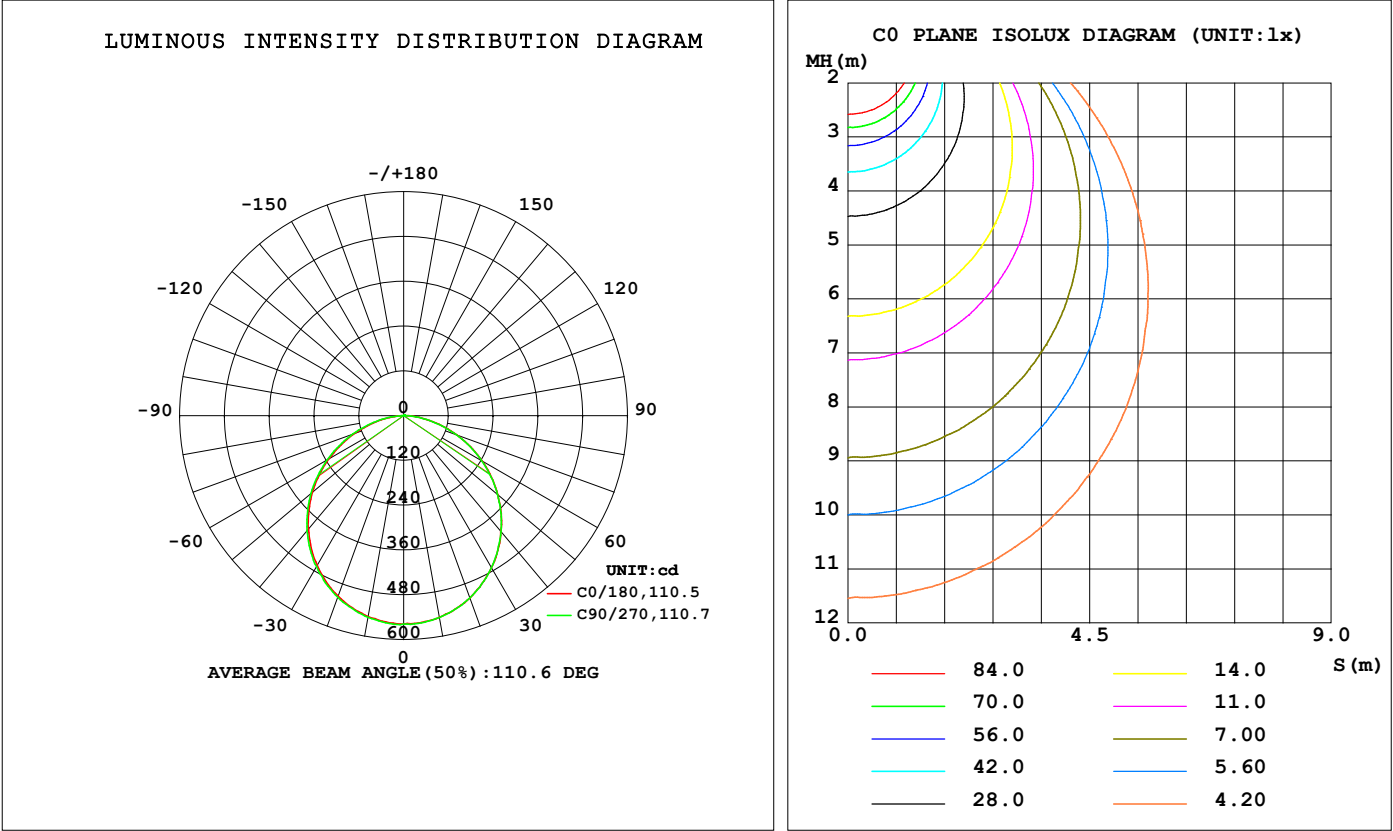


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.96V I:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.05 lm/W
MODEL	EONF14LAJD1BK_3500K	I _{max} (cd)	559.9	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	1.25	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1568.9	η UP,DN(C0-180)	0.1,50.6	
NOMINAL FLUX(lm)	1568.91	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.2	
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

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:

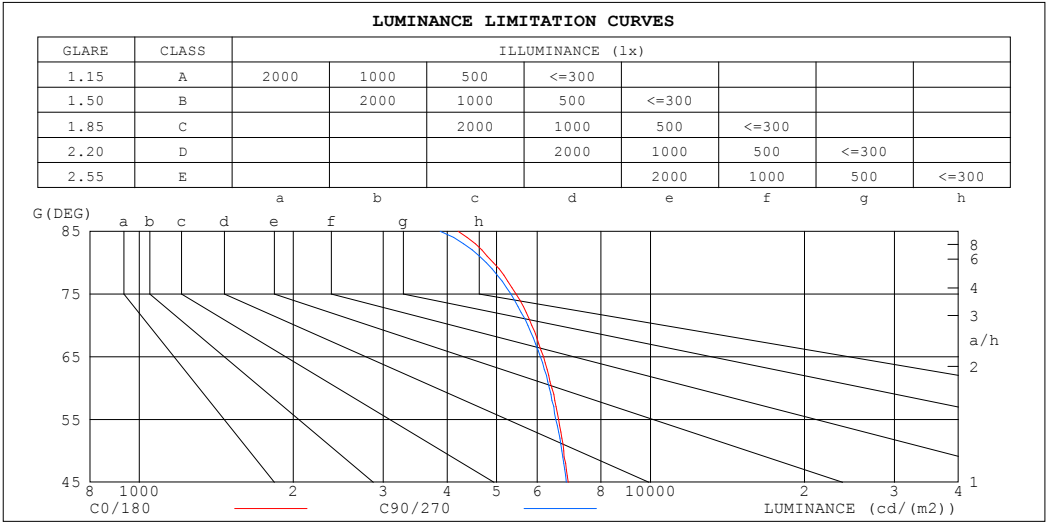
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	549.0	549.8	547.0	548.9					0- 10	52.85	52.85	3.37,3.37
20	520.0	519.5	513.8	517.6					10- 20	151.1	203.9	13,13
30	471.0	471.0	463.2	467.1					20- 30	228.1	432.0	27.5,27.5
40	405.4	406.1	396.6	402.8					30- 40	273.6	705.7	45,45
50	329.7	328.3	319.0	323.8					40- 50	281.9	987.6	62.9,62.9
60	243.2	241.5	231.1	236.7					50- 60	252.4	1240	79,79
70	151.9	150.0	138.8	145.0					60- 70	190.2	1430	91.2,91.2
80	64.87	63.15	53.61	58.44					70- 80	107.8	1538	98,98
90	0.2304	0.0111	0.0223	0.0234					80- 90	27.24	1565	99.8,99.8
100	0.0825	0.1497	0.1931	0.1328					90-100	0.0749	1565	99.8,99.8
110	0.2643	0.3381	0.4024	0.3432					100-110	0.2505	1566	99.8,99.8
120	0.4682	0.5431	0.6120	0.5538					110-120	0.4368	1566	99.8,99.8
130	0.6500	0.7368	0.8160	0.7697					120-130	0.5759	1567	99.9,99.9
140	0.7989	0.8864	1.014	0.9636					130-140	0.6404	1567	99.9,99.9
150	0.9587	1.025	1.180	1.119					140-150	0.6222	1568	99.9,99.9
160	1.113	1.180	1.334	1.274					150-160	0.5301	1568	100,100
170	1.262	1.313	1.443	1.385					160-170	0.3644	1569	100,100
180	1.433	1.429	1.460	1.429					170-180	0.1320	1569	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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4203	3877
80	4928	4773
75	5456	5332
70	5858	5757
65	6173	6085
60	6418	6338
55	6611	6528
50	6767	6702
45	6900	6845

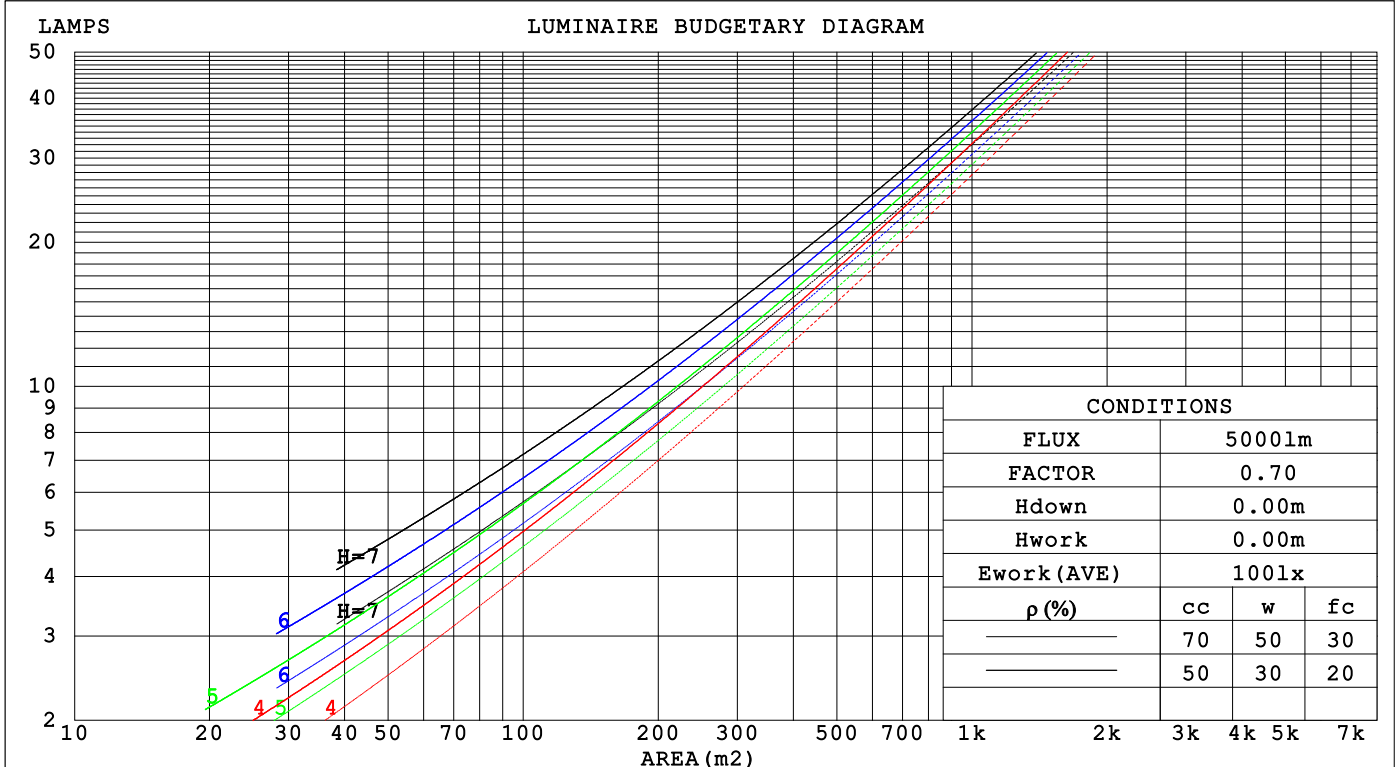
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.: 3500K	
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	.115	.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	.131	.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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.: 3500K				
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	17.9	19.4	18.2	19.6	19.8	17.9	19.4	18.1	19.6	19.8
3H	19.4	20.8	19.7	21.1	21.3	19.4	20.8	19.7	21.0	21.2
4H	20.0	21.4	20.3	21.6	21.9	20.0	21.3	20.3	21.5	21.8
6H	20.5	21.7	20.8	22.0	22.3	20.4	21.6	20.7	21.9	22.2
8H	20.6	21.8	21.0	22.1	22.4	20.5	21.7	20.9	22.0	22.3
12H	20.7	21.9	21.0	22.2	22.5	20.6	21.7	20.9	22.0	22.4
4H 2H	18.5	19.8	18.8	20.1	20.4	18.5	19.8	18.8	20.1	20.3
3H	20.2	21.4	20.6	21.7	22.0	20.2	21.3	20.5	21.6	21.9
4H	20.9	22.0	21.3	22.3	22.7	20.9	21.9	21.3	22.3	22.6
6H	21.5	22.5	21.9	22.8	23.2	21.4	22.4	21.8	22.7	23.1
8H	21.7	22.6	22.1	23.0	23.3	21.6	22.5	22.0	22.9	23.3
12H	21.8	22.6	22.3	23.0	23.4	21.7	22.5	22.2	22.9	23.3
8H 4H	21.2	22.1	21.6	22.5	22.8	21.1	22.0	21.6	22.4	22.8
6H	21.9	22.7	22.4	23.1	23.5	21.8	22.6	22.3	23.0	23.4
8H	22.2	22.8	22.7	23.3	23.7	22.1	22.8	22.6	23.2	23.6
12H	22.4	23.0	22.9	23.4	23.9	22.3	22.9	22.8	23.3	23.8
12H 4H	21.2	22.0	21.6	22.4	22.8	21.2	22.0	21.6	22.4	22.8
6H	22.0	22.6	22.4	23.1	23.5	21.9	22.6	22.4	23.0	23.4
8H	22.3	22.9	22.8	23.3	23.8	22.2	22.8	22.7	23.2	23.7
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, 1569 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.6$)
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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

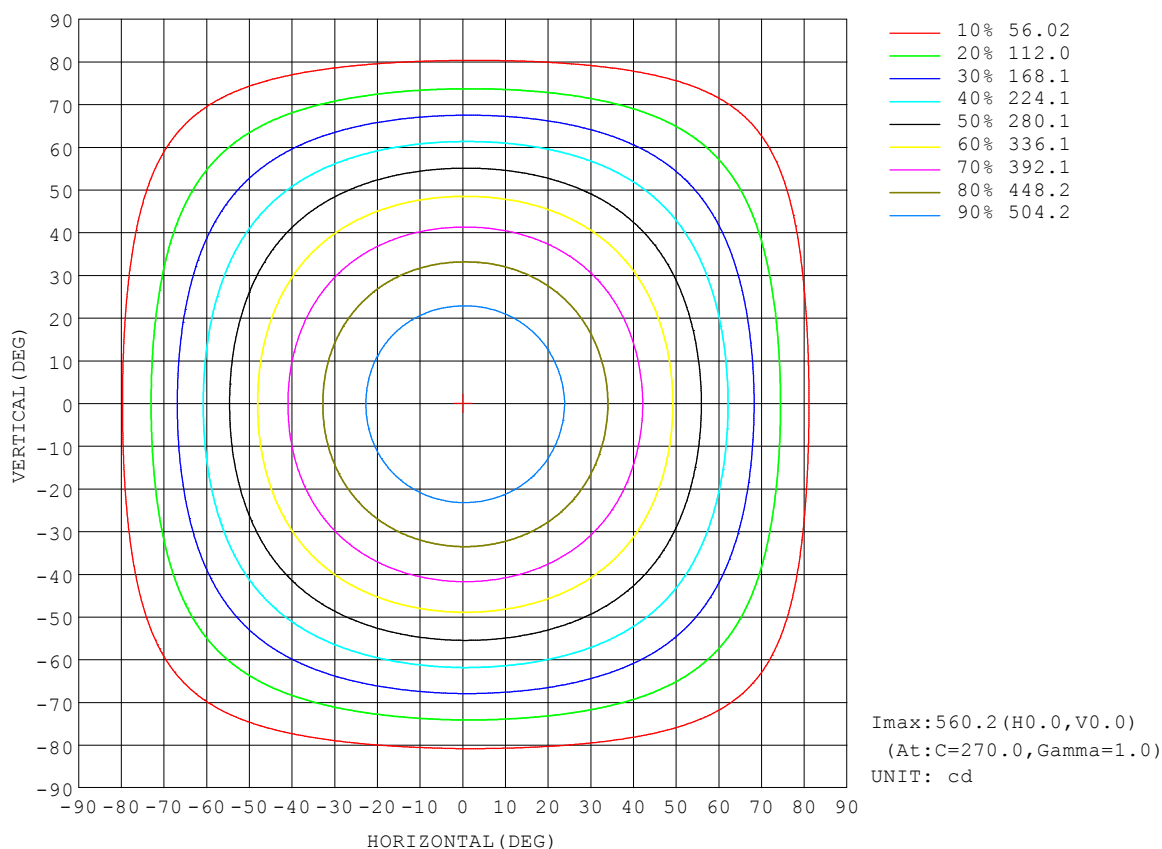
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

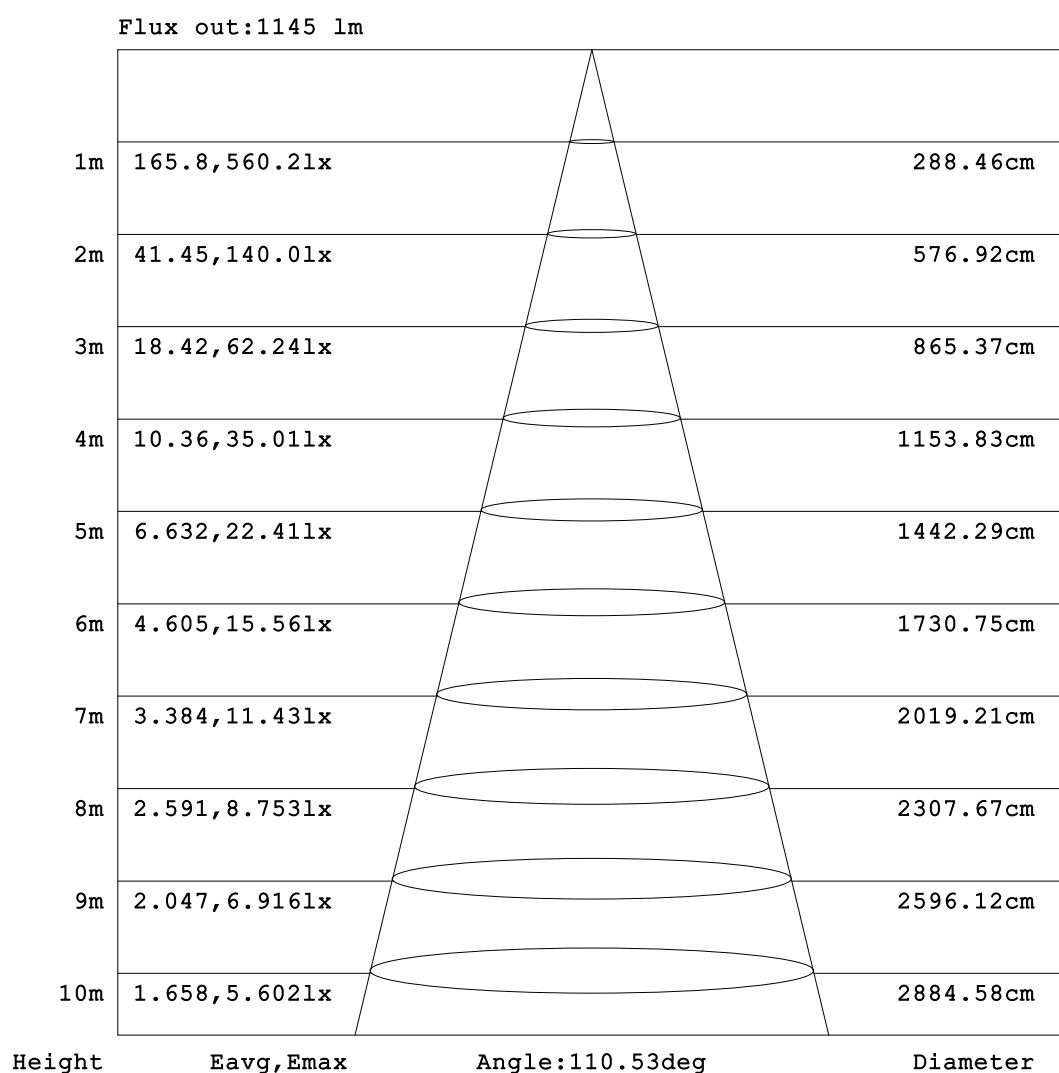


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:



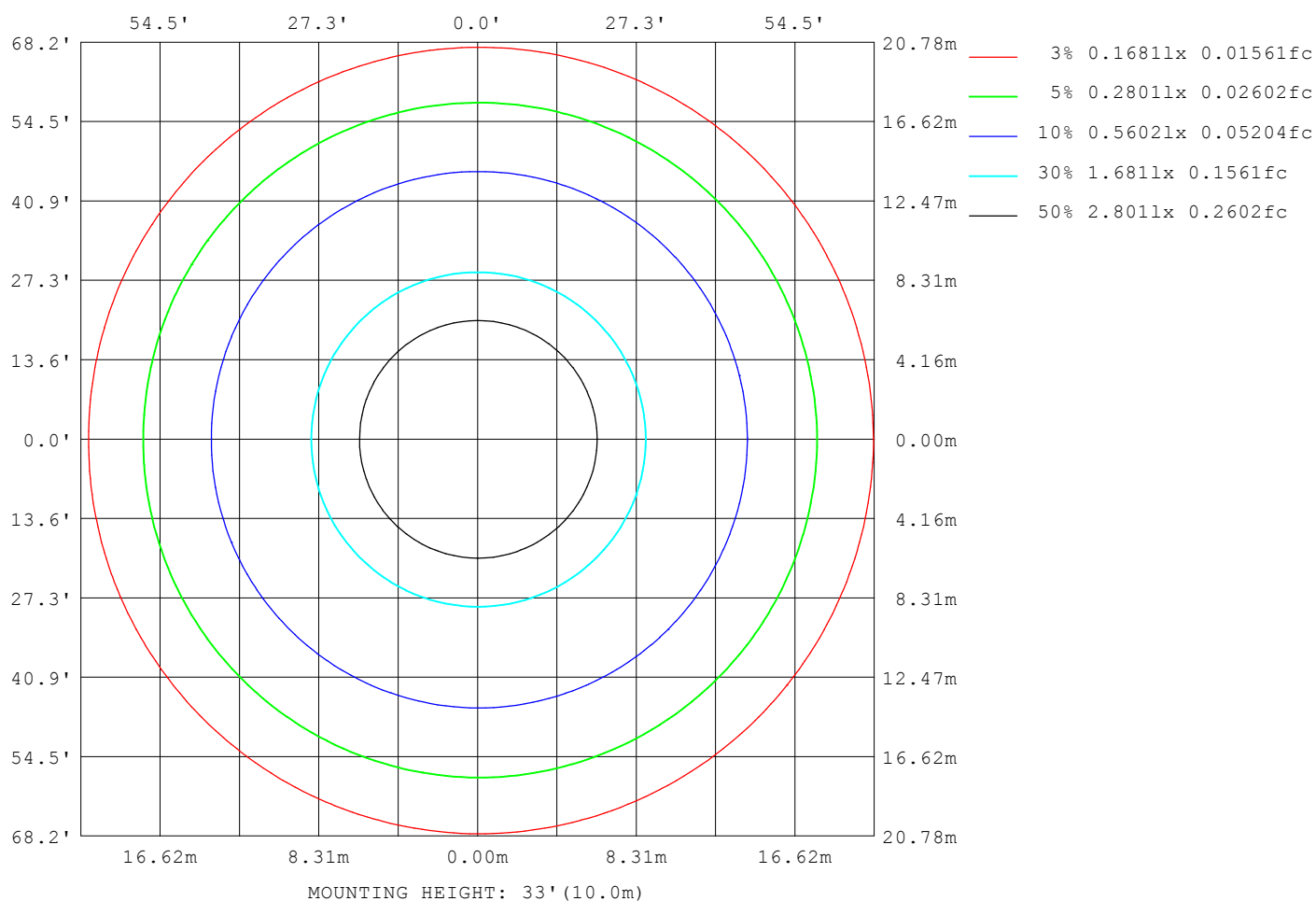
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

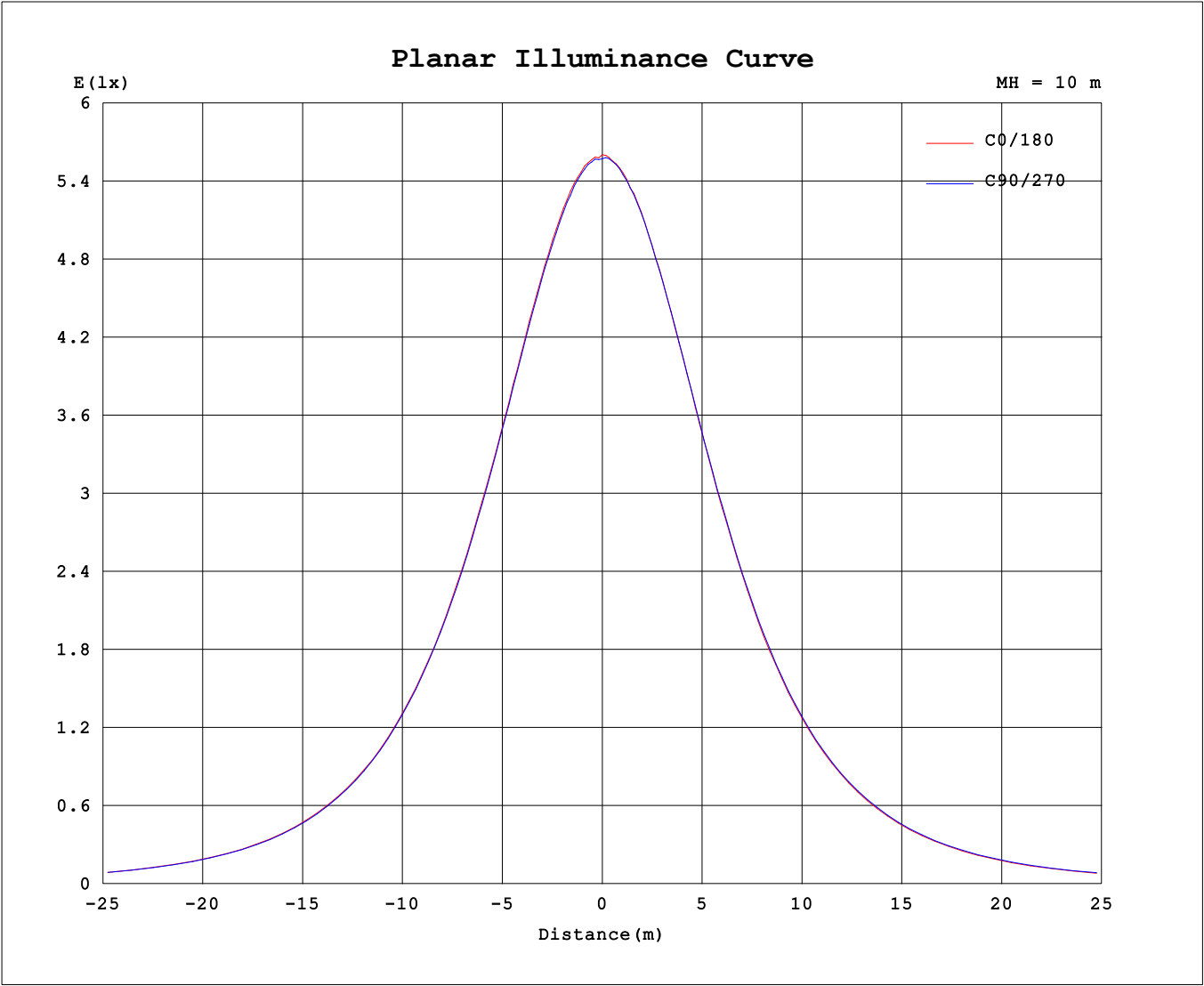
AvgL	cd/m2
L_0~180 (65) av	5957
L_0~180 (75) av	5120
L_0~180 (85) av	3485
L_90~270 (65) av	6020
L_90~270 (75) av	5225
L_90~270 (85) av	3469
L_45 (65) av	5984
L_45 (75) av	5165
L_45 (85) av	3431

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:0.2374A P:26.570W PF:0.9331 Freq:59.98Hz Lamp Flux:1568.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	559	559	559	559														
5	557	557	555	557														
10	549	550	547	549														
15	536	537	533	535														
20	520	520	514	518														
25	497	497	491	495														
30	471	471	463	467														
35	441	440	433	437														
40	405	406	397	403														
45	370	369	360	365														
50	330	328	319	324														
55	287	285	276	281														
60	243	241	231	237														
65	198	196	185	191														
70	152	150	139	145														
75	107	105	94.4	100														
80	64.9	63.1	53.6	58.4														
85	27.8	25.7	18.4	20.2														
90	0.23	0.01	0.02	0.02														
95	0.02	0.07	0.10	0.05														
100	0.08	0.15	0.19	0.13														
105	0.18	0.25	0.29	0.24														
110	0.26	0.34	0.40	0.34														
115	0.36	0.45	0.51	0.45														
120	0.47	0.54	0.61	0.55														
125	0.56	0.64	0.72	0.66														
130	0.65	0.74	0.82	0.77														
135	0.73	0.81	0.92	0.87														
140	0.80	0.89	1.01	0.96														
145	0.88	0.95	1.10	1.04														
150	0.96	1.02	1.18	1.12														
155	1.03	1.10	1.26	1.20														
160	1.11	1.18	1.33	1.27														
165	1.20	1.25	1.41	1.33														
170	1.26	1.31	1.44	1.38														
175	1.33	1.37	1.46	1.42														
180	1.43	1.43	1.46	1.43														

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: