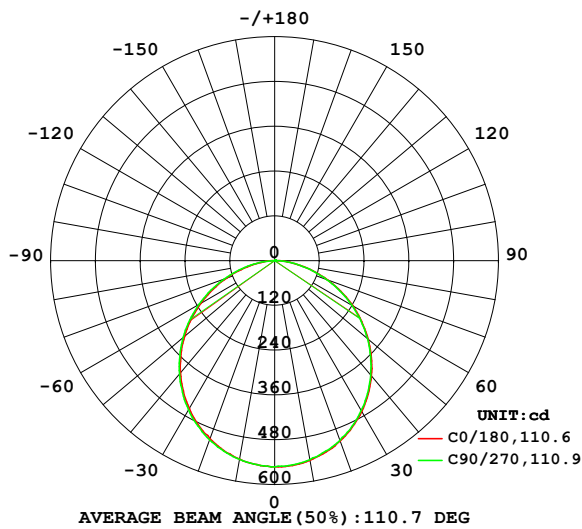


LUMINAIRE PHOTOMETRIC TEST REPORT

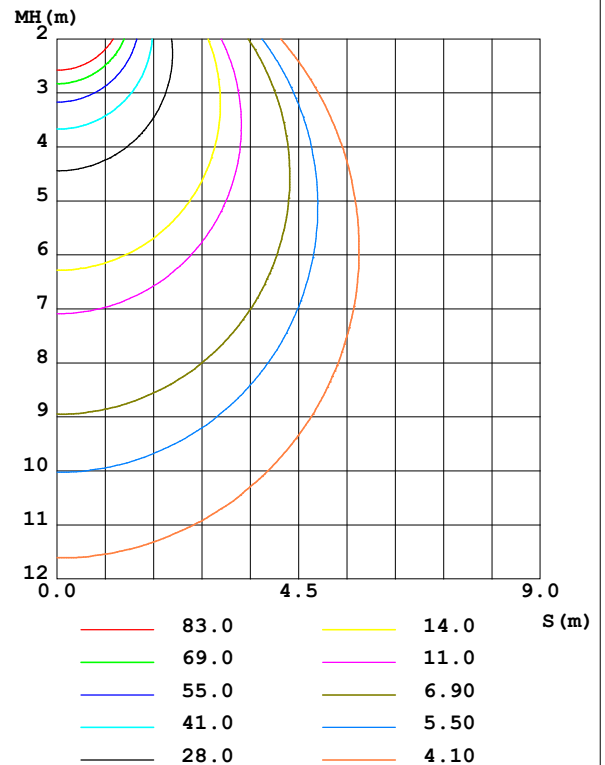
Test:U:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 59.53 lm/W
MODEL	EONF14LAJD1BK_5000K	I _{max} (cd)	552.8	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)	1551.2	η UP,DN(C0-180)	0.1,50.6	
NOMINAL FLUX(lm)	1551.18	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.1	
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:2025-07-07

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:

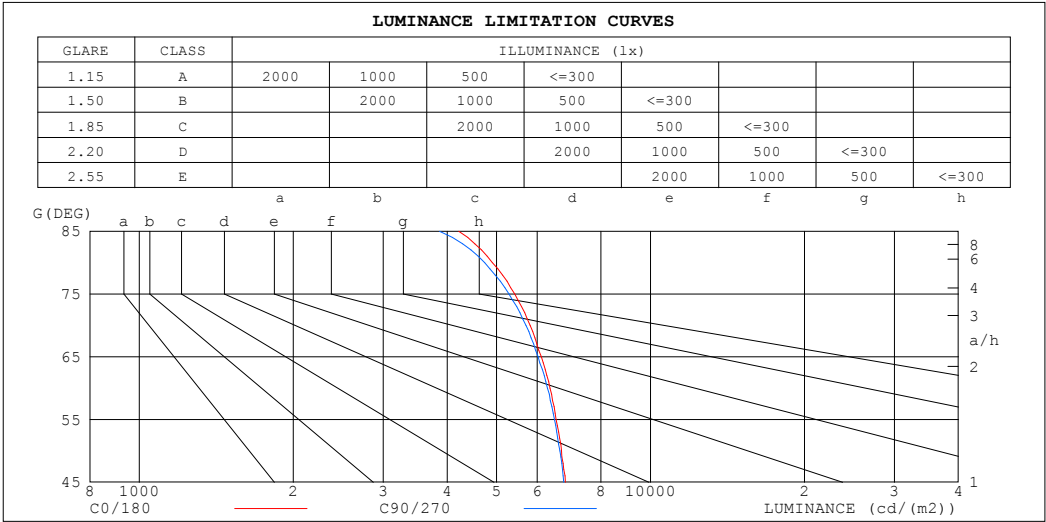
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	543.4	541.9	540.2	541.2					0- 10	52.21	52.21	3.37,3.37
20	514.2	512.3	508.0	510.9					10- 20	149.2	201.4	13,13
30	467.0	464.2	457.6	462.0					20- 30	225.4	426.8	27.5,27.5
40	403.8	400.5	392.5	397.0					30- 40	270.4	697.2	44.9,44.9
50	327.3	324.7	314.7	320.2					40- 50	278.6	975.8	62.9,62.9
60	241.5	238.8	228.3	233.7					50- 60	249.8	1226	79,79
70	151.2	148.4	136.8	143.5					60- 70	188.2	1414	91.1,91.1
80	64.73	62.49	52.67	57.71					70- 80	106.7	1521	98,98
90	0.1789	0.0111	0.0168	0.0226					80- 90	27.05	1548	99.8,99.8
100	0.0881	0.1492	0.1881	0.1325					90-100	0.0724	1548	99.8,99.8
110	0.2595	0.3317	0.3925	0.3368					100-110	0.2457	1548	99.8,99.8
120	0.4529	0.5414	0.6080	0.5468					110-120	0.4290	1548	99.8,99.8
130	0.6351	0.7128	0.8124	0.7568					120-130	0.5659	1549	99.9,99.9
140	0.7844	0.8620	1.006	0.9445					130-140	0.6296	1550	99.9,99.9
150	0.9447	1.011	1.172	1.099					140-150	0.6124	1550	99.9,99.9
160	1.105	1.160	1.321	1.243					150-160	0.5212	1551	100,100
170	1.243	1.276	1.416	1.359					160-170	0.3584	1551	100,100
180	1.409	1.403	1.431	1.403					170-180	0.1295	1551	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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4216	3868
80	4905	4735
75	5423	5288
70	5817	5708
65	6119	6024
60	6356	6285
55	6538	6489
50	6699	6647
45	6815	6769

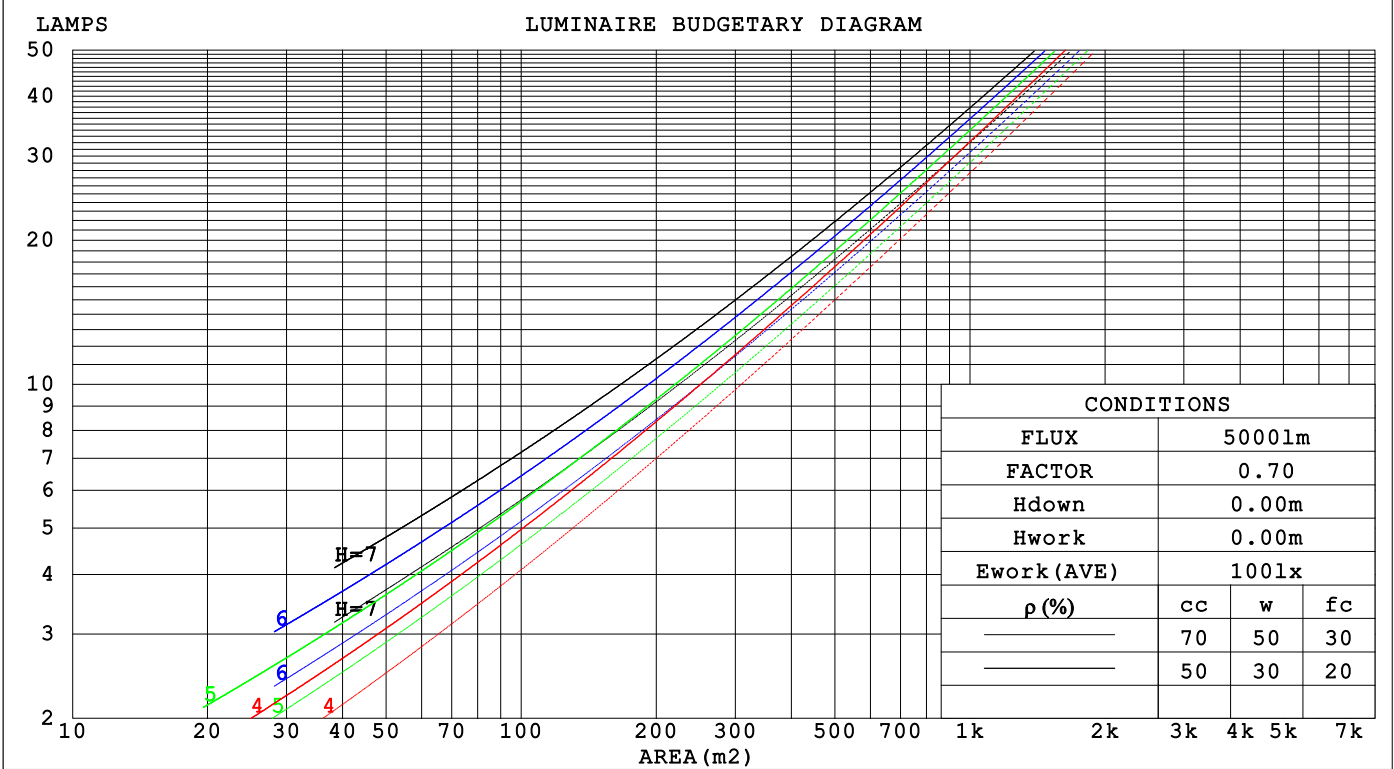
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz		
Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.55	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.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
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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.: 5000K	
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	.287	.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	.253	.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	.166	.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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.: 5000K				
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	21.3
4H	20.0	21.4	20.4	21.6	21.9	20.0	21.3	20.3	21.6	21.8
6H	20.5	21.7	20.8	22.0	22.3	20.4	21.7	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	21.1	22.2	22.5	20.6	21.8	21.0	22.1	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	21.0	22.0	21.3	22.3	22.7	20.9	22.0	21.3	22.3	22.6
6H	21.5	22.5	21.9	22.8	23.2	21.4	22.4	21.9	22.7	23.1
8H	21.7	22.6	22.1	23.0	23.4	21.6	22.5	22.1	22.9	23.3
12H	21.9	22.7	22.3	23.1	23.5	21.8	22.6	22.2	22.9	23.4
8H 4H	21.2	22.1	21.6	22.5	22.9	21.2	22.0	21.6	22.4	22.8
6H	21.9	22.7	22.4	23.1	23.5	21.9	22.6	22.3	23.0	23.4
8H	22.2	22.9	22.7	23.3	23.8	22.1	22.8	22.6	23.2	23.7
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	21.7	22.4	22.8	21.2	22.0	21.6	22.4	22.8
6H	22.0	22.7	22.5	23.1	23.5	21.9	22.6	22.4	23.0	23.5
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	+ 0.1 / - 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, 1551 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.5$)
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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	Shielding Angle:

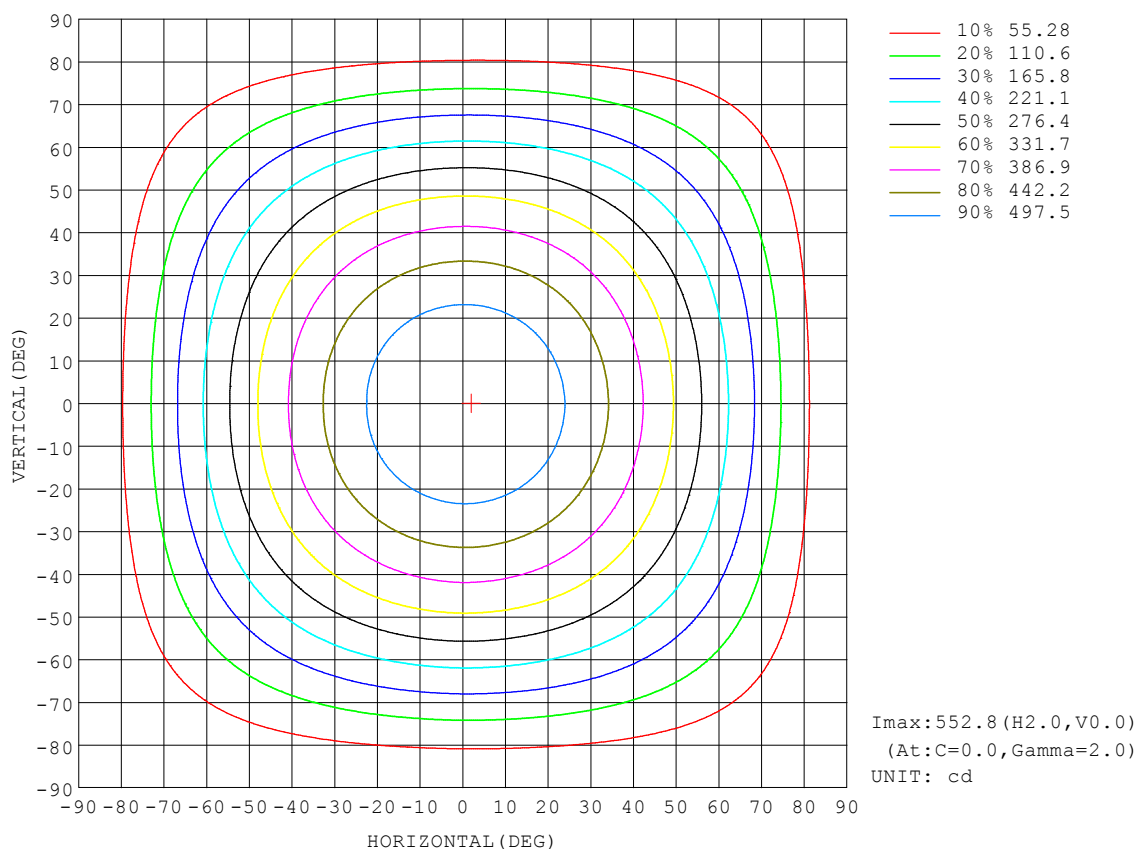
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	87	77	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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	Shielding Angle:

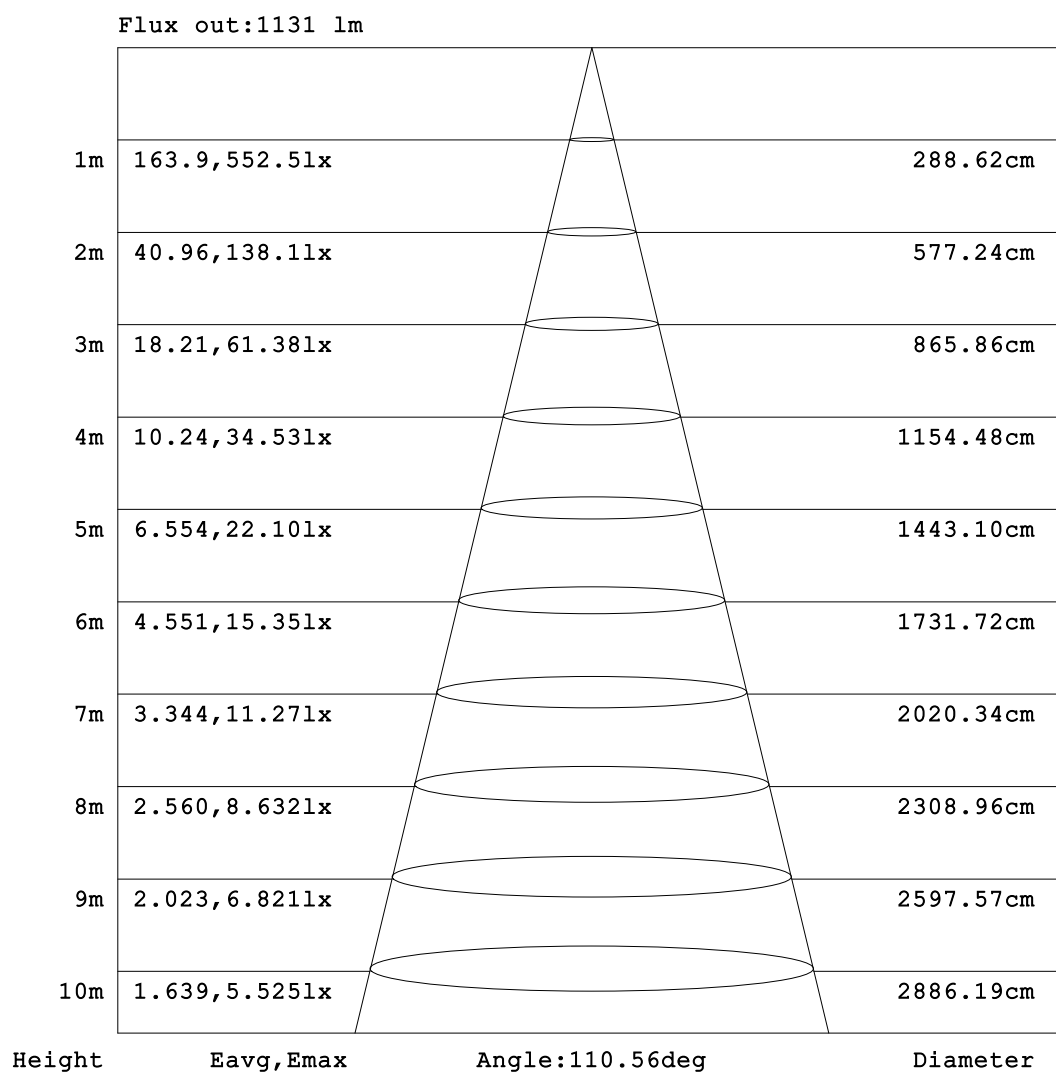


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	Shielding Angle:



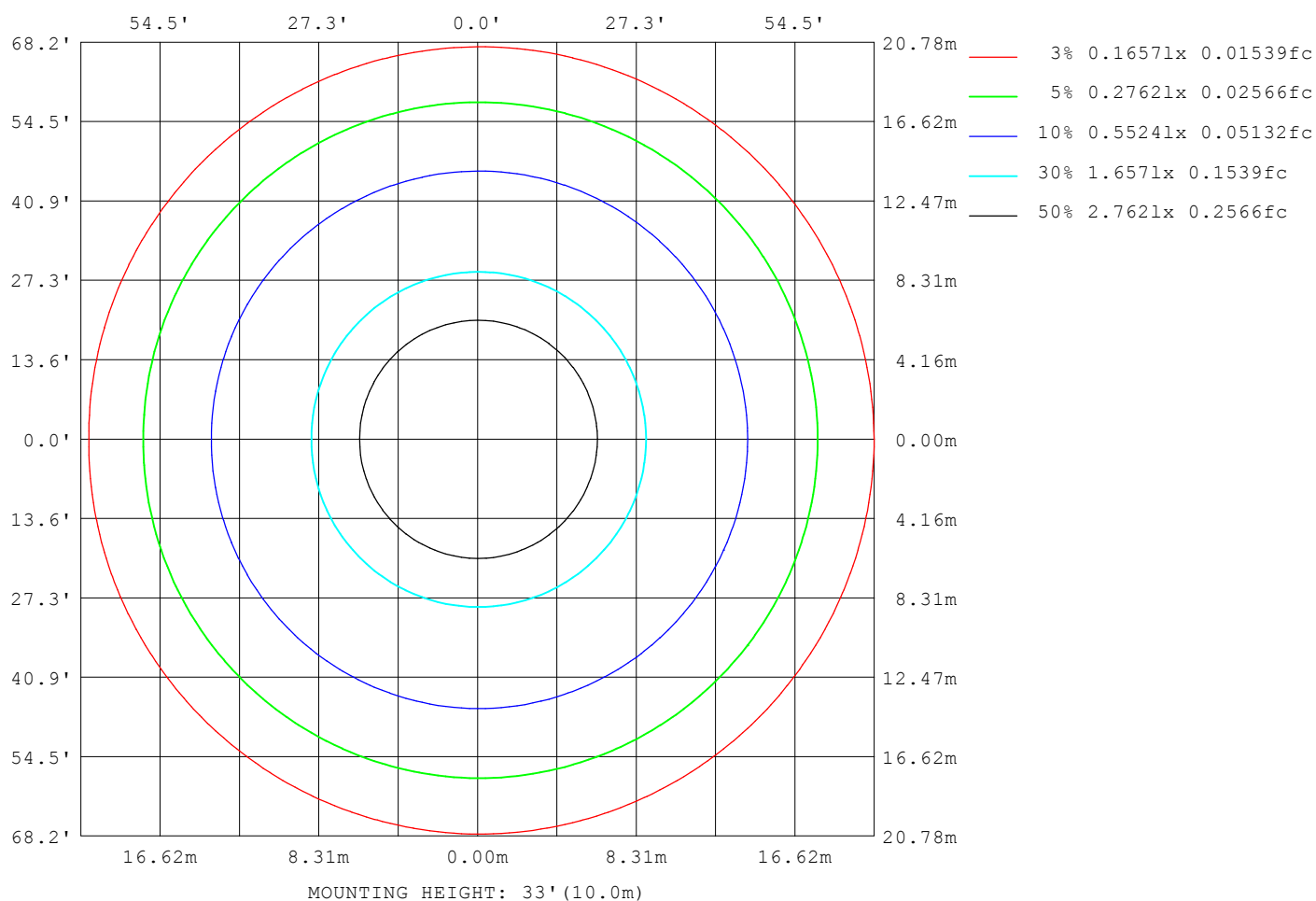
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	Shielding Angle:

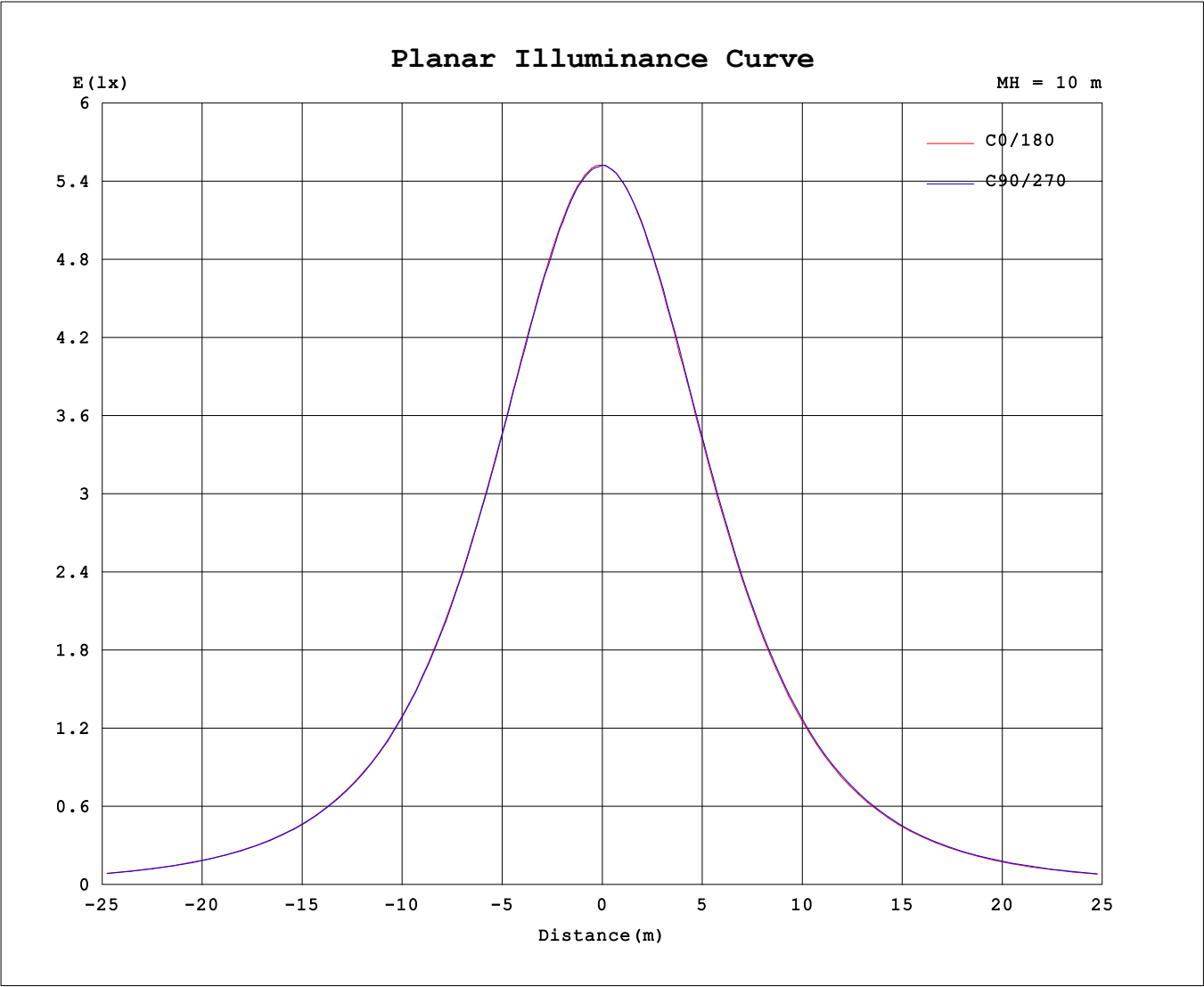
AvgL	cd/m2
L_0~180 (65) av	5902
L_0~180 (75) av	5078
L_0~180 (85) av	3466
L_90~270 (65) av	5947
L_90~270 (75) av	5165
L_90~270 (85) av	3465
L_45 (65) av	5916
L_45 (75) av	5111
L_45 (85) av	3418

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:119.94V I:0.2332A P:26.059W PF:0.9317 Freq:59.98Hz Lamp Flux:1551.18x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.312	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	552	552	552	552														
5	551	549	549	549														
10	543	542	540	541														
15	531	528	527	528														
20	514	512	508	511														
25	493	490	485	489														
30	467	464	458	462														
35	437	434	427	431														
40	404	400	393	397														
45	366	364	355	360														
50	327	325	315	320														
55	285	283	273	278														
60	242	239	228	234														
65	197	193	183	189														
70	151	148	137	143														
75	107	104	93.1	99.2														
80	64.7	62.5	52.7	57.7														
85	27.9	25.6	18.0	20.3														
90	0.18	0.01	0.02	0.02														
95	0.02	0.06	0.11	0.04														
100	0.09	0.15	0.19	0.13														
105	0.17	0.24	0.29	0.24														
110	0.26	0.33	0.39	0.34														
115	0.36	0.44	0.50	0.44														
120	0.45	0.54	0.61	0.55														
125	0.54	0.62	0.71	0.65														
130	0.64	0.71	0.81	0.76														
135	0.72	0.79	0.91	0.85														
140	0.78	0.86	1.01	0.94														
145	0.86	0.93	1.08	1.03														
150	0.94	1.01	1.17	1.10														
155	1.02	1.08	1.24	1.18														
160	1.10	1.16	1.32	1.24														
165	1.18	1.22	1.39	1.31														
170	1.24	1.28	1.42	1.36														
175	1.32	1.35	1.43	1.39														
180	1.41	1.40	1.43	1.40														

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: