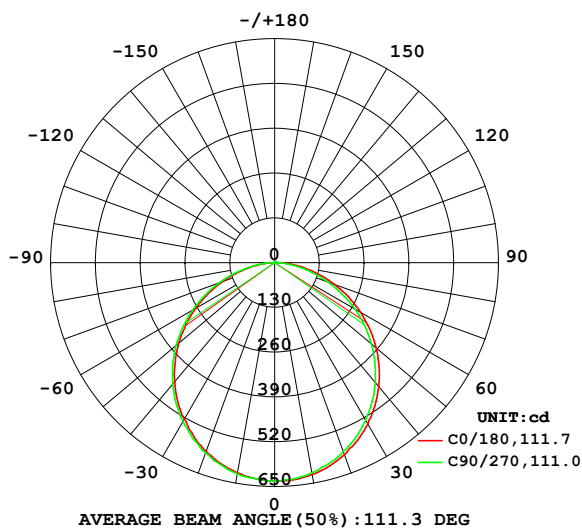


LUMINAIRE PHOTOMETRIC TEST REPORT

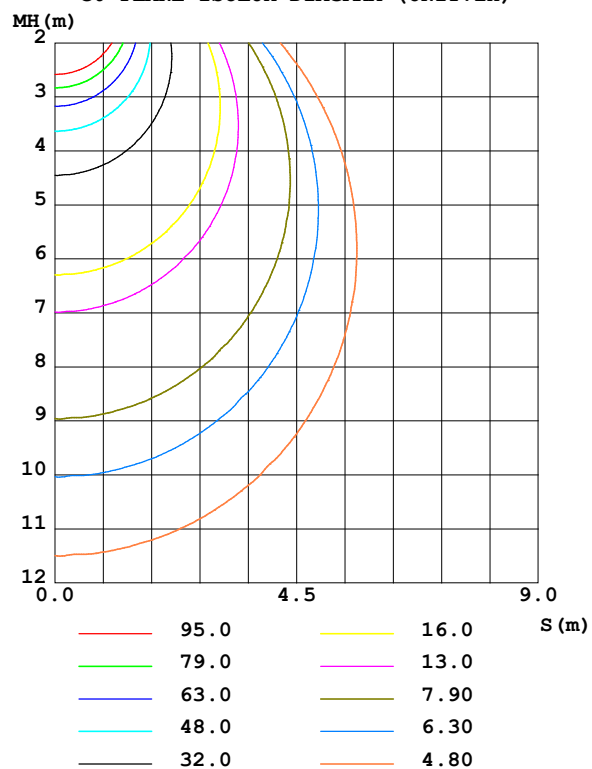
Test:U:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 66.63 lm/W
MODEL	EONF14LAJD1WH_4000K	I _{max} (cd)	634.7	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)	1795.8	η UP,DN(C0-180)	0.1,50.5	
NOMINAL FLUX(lm)	1795.83	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.3	
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:2025-06-13

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:

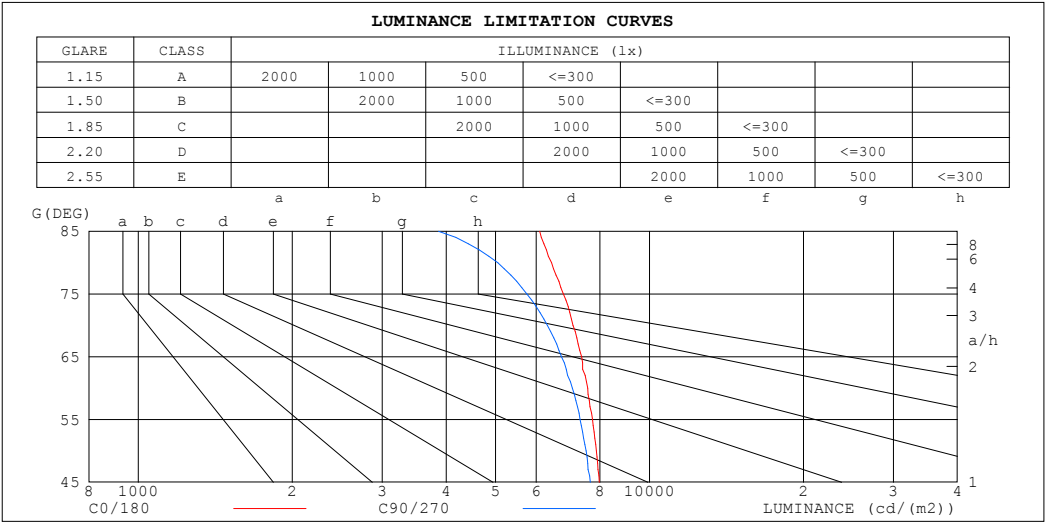
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	624.8	620.3	619.8	622.3					0- 10	59.92	59.92	3.34,3.34
20	593.3	583.3	582.9	587.2					10- 20	171.2	231.2	12.9,12.9
30	540.5	527.6	524.6	532.5					20- 30	258.7	489.8	27.3,27.3
40	470.3	455.0	451.3	460.6					30- 40	311.2	801.0	44.6,44.6
50	384.4	367.2	363.9	373.4					40- 50	321.6	1123	62.5,62.5
60	287.7	268.2	264.1	274.4					50- 60	289.4	1412	78.6,78.6
70	184.3	164.1	159.9	170.2					60- 70	219.4	1631	90.8,90.8
80	84.88	66.57	62.61	72.08					70- 80	126.0	1757	97.9,97.9
90	3.524	0.0332	0.0555	0.1248					80- 90	34.08	1792	99.8,99.8
100	0.1158	0.1935	0.2600	0.1655					90-100	0.1582	1792	99.8,99.8
110	0.3149	0.4145	0.4867	0.3974					100-110	0.3078	1792	99.8,99.8
120	0.5469	0.6409	0.7299	0.6459					110-120	0.5183	1793	99.8,99.8
130	0.7514	0.8452	0.9731	0.8835					120-130	0.6749	1793	99.9,99.9
140	0.9284	1.022	1.183	1.104					130-140	0.7450	1794	99.9,99.9
150	1.116	1.193	1.365	1.292					140-150	0.7205	1795	99.9,99.9
160	1.293	1.353	1.542	1.458					150-160	0.6110	1795	100,100
170	1.465	1.497	1.665	1.596					160-170	0.4194	1796	100,100
180	1.658	1.635	1.669	1.651					170-180	0.1518	1796	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:2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6094	3866
80	6429	5047
75	6787	5756
70	7087	6315
65	7366	6725
60	7568	7060
55	7731	7315
50	7865	7520
45	7975	7655

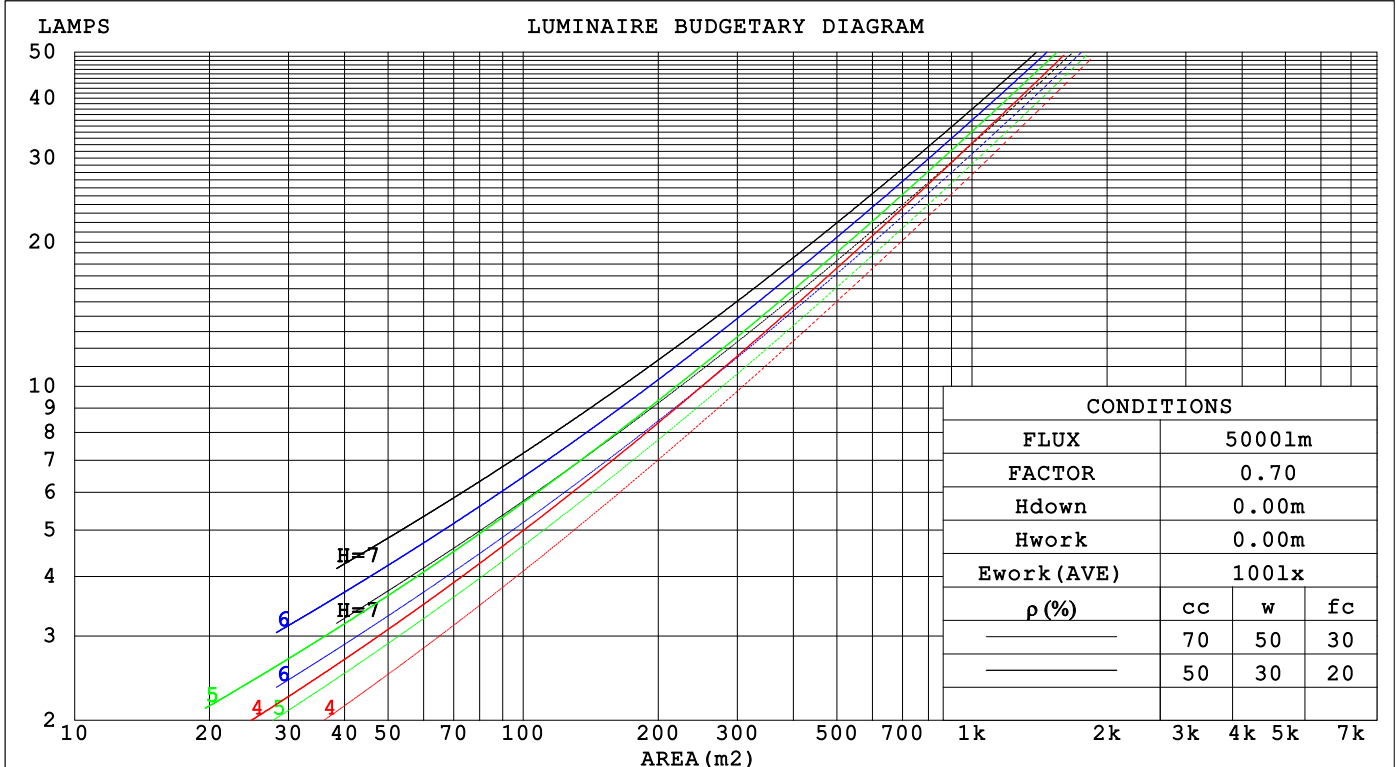
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
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															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	.83														
2.0	.90	.84	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69														
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58														
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50														
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43														
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38														
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.35	.46	.40	.35	.33														
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30														
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27														
10.0	.40	.32	.26	.39	.31	.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:2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.: 4000K	
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	.310	.176	.056	.303	.173	.055	.289	.166	.053	.277	.160	.051	.265	.154	.050															
2.0	.291	.160	.049	.285	.157	.048	.273	.152	.047	.262	.147	.046	.252	.143	.045															
3.0	.270	.144	.043	.264	.141	.043	.254	.137	.042	.244	.134	.041	.235	.130	.040															
4.0	.249	.129	.038	.244	.128	.038	.235	.124	.037	.226	.121	.037	.218	.119	.036															
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.108	.033															
6.0	.213	.107	.031	.210	.106	.030	.202	.104	.030	.195	.102	.030	.189	.099	.030															
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.182	.094	.027	.177	.092	.027															
8.0	.186	.091	.025	.182	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025															
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023															
10.0	.163	.078	.022	.161	.078	.022	.156	.077	.022	.152	.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	.107	.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	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.136	.089	.052	.094	.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	.050	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.031	.082	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.131	.071	.031	.113	.062	.027	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.107	.058	.024	.074	.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:2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
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	18.0	19.5	18.3	19.7	19.9	17.8	19.3	18.0	19.5	19.7
3H	19.6	21.0	19.9	21.2	21.5	19.2	20.6	19.5	20.9	21.1
4H	20.2	21.6	20.6	21.8	22.1	19.8	21.1	20.1	21.4	21.6
6H	20.8	22.0	21.1	22.3	22.6	20.2	21.4	20.5	21.7	22.0
8H	20.9	22.2	21.3	22.4	22.7	20.3	21.5	20.6	21.8	22.1
12H	21.1	22.2	21.4	22.5	22.9	20.3	21.5	20.7	21.8	22.1
4H 2H	18.6	19.9	18.9	20.2	20.4	18.4	19.7	18.7	20.0	20.2
3H	20.4	21.5	20.7	21.8	22.1	20.0	21.2	20.4	21.5	21.8
4H	21.1	22.2	21.5	22.5	22.9	20.7	21.8	21.1	22.1	22.5
6H	21.8	22.7	22.2	23.1	23.5	21.3	22.2	21.7	22.6	22.9
8H	22.0	22.9	22.5	23.3	23.7	21.4	22.3	21.8	22.7	23.1
12H	22.2	23.0	22.7	23.4	23.8	21.5	22.3	22.0	22.7	23.1
8H 4H	21.4	22.3	21.8	22.7	23.0	21.0	21.9	21.5	22.3	22.7
6H	22.2	22.9	22.7	23.3	23.8	21.7	22.5	22.2	22.9	23.3
8H	22.5	23.2	23.0	23.6	24.1	22.0	22.6	22.4	23.0	23.5
12H	22.8	23.4	23.3	23.8	24.3	22.1	22.7	22.6	23.1	23.6
12H 4H	21.4	22.2	21.8	22.6	23.0	21.1	21.9	21.5	22.3	22.7
6H	22.3	22.9	22.7	23.3	23.8	21.8	22.4	22.3	22.9	23.3
8H	22.6	23.2	23.1	23.7	24.1	22.1	22.6	22.6	23.1	23.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 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, 1796 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.0$)
Area: 0.076 m²

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:

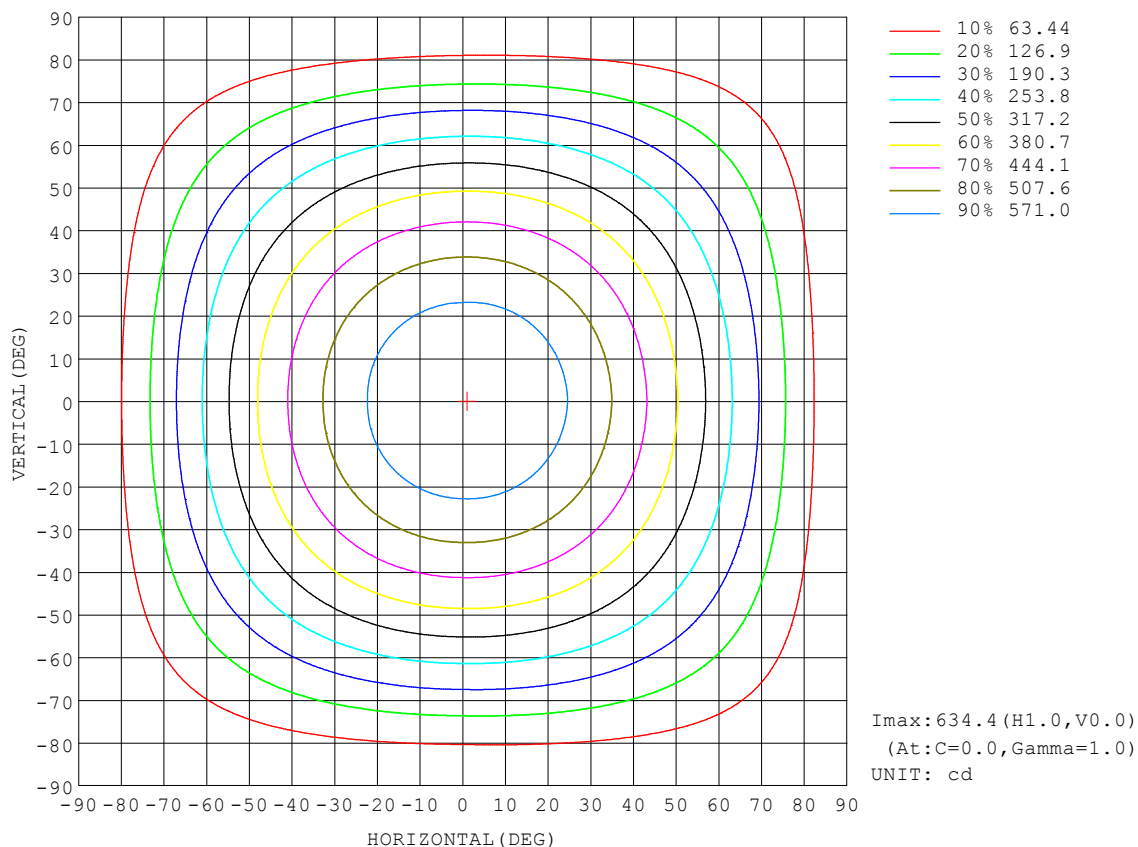
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	66	55	48	65	55	48	41
1.00	76	65	58	75	64	57	72	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	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	86	78
4.00	106	100	96	104	99	94	99	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: 2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:

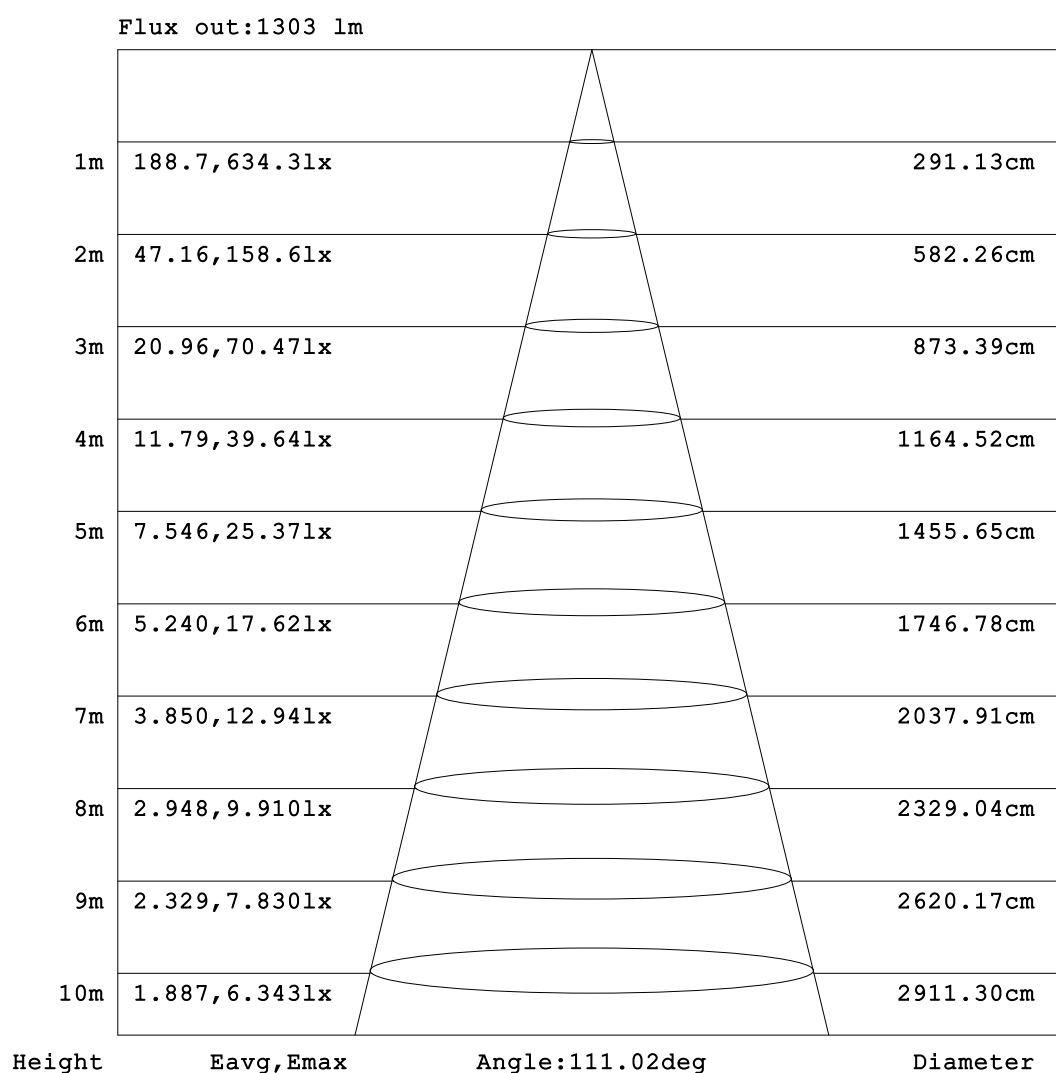


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:



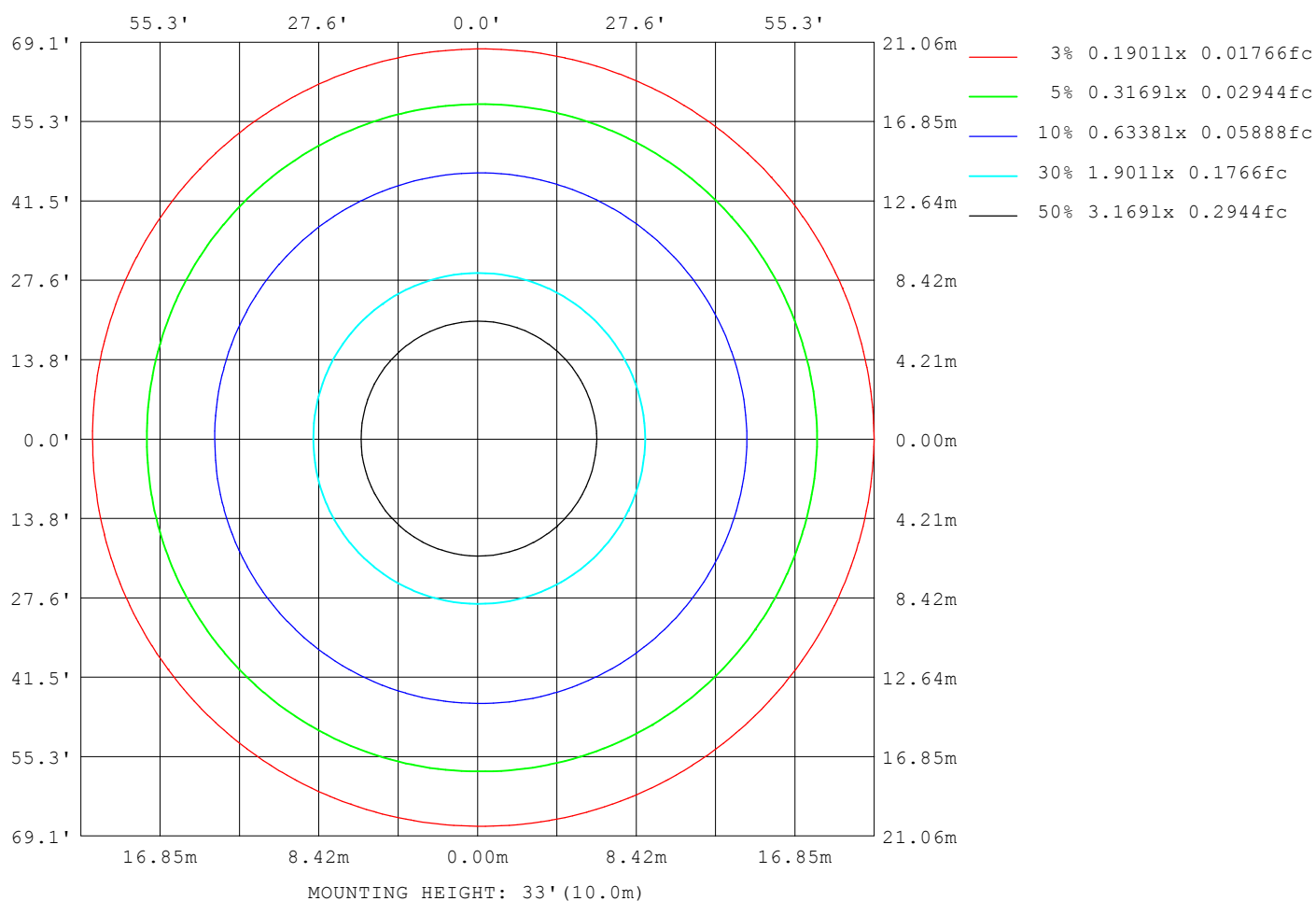
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:

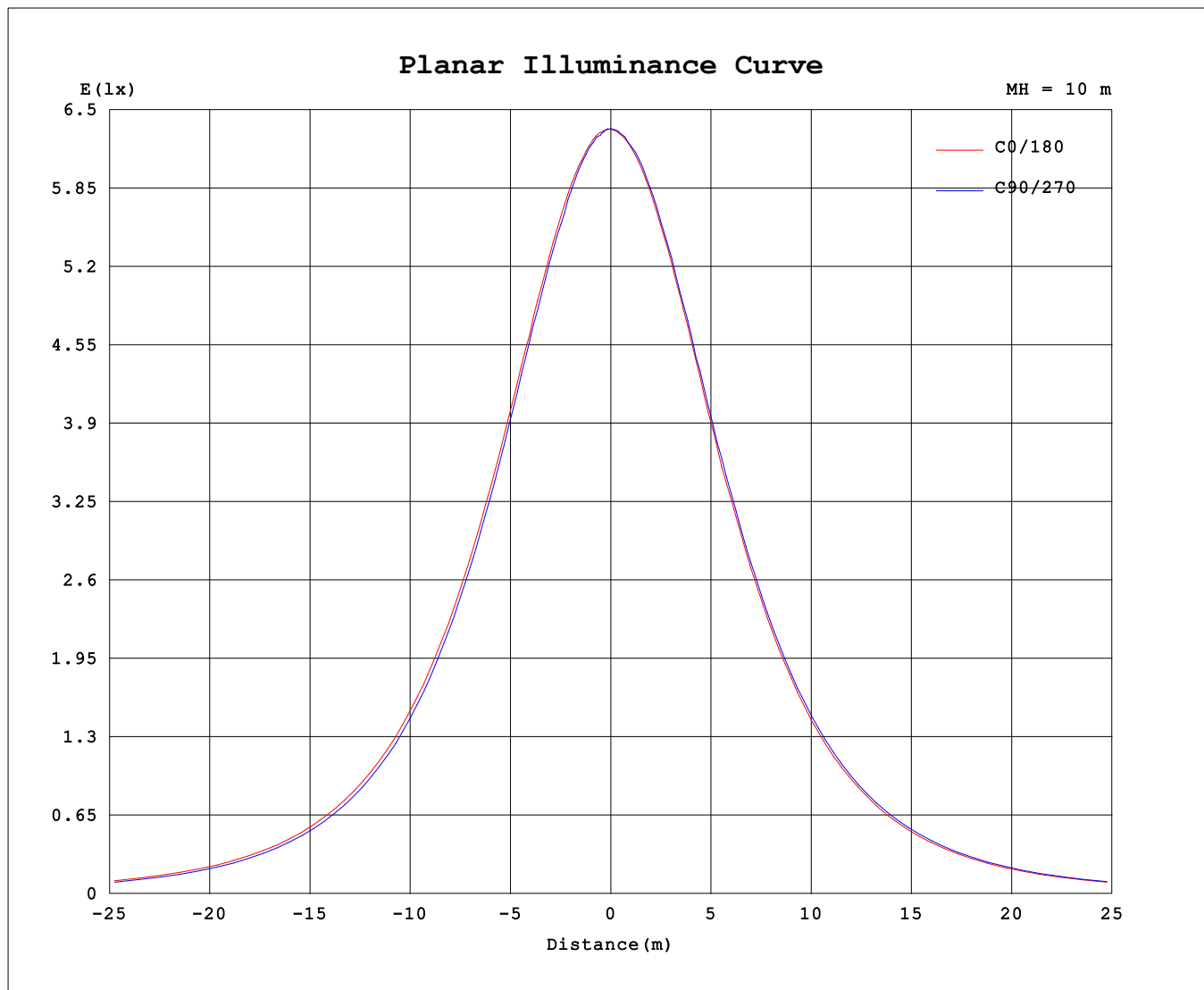
AvgL	cd/m2
L_0~180 (65) av	6986
L_0~180 (75) av	6181
L_0~180 (85) av	4632
L_90~270 (65) av	6827
L_90~270 (75) av	5918
L_90~270 (85) av	4225
L_45 (65) av	6863
L_45 (75) av	5979
L_45 (85) av	4286

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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: 2025-06-13

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:119.97V I:0.2419A P:26.953W PF:0.9287 Freq:59.98Hz Lamp Flux:1795.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.312	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	634	634	634	634														
5	633	630	630	629														
10	625	620	620	622														
15	612	605	604	607														
20	593	583	583	587														
25	569	558	556	563														
30	540	528	525	532														
35	507	494	491	499														
40	470	455	451	461														
45	429	411	407	418														
50	384	367	364	373														
55	337	319	315	325														
60	288	268	264	274														
65	237	216	212	223														
70	184	164	160	170														
75	134	113	110	120														
80	84.9	66.6	62.6	72.1														
85	40.4	25.6	21.0	30.4														
90	3.52	0.03	0.06	0.12														
95	0.04	0.11	0.14	0.06														
100	0.12	0.19	0.26	0.17														
105	0.22	0.30	0.37	0.28														
110	0.31	0.41	0.49	0.40														
115	0.44	0.53	0.61	0.52														
120	0.55	0.64	0.73	0.65														
125	0.65	0.75	0.86	0.76														
130	0.75	0.85	0.97	0.88														
135	0.85	0.94	1.08	1.00														
140	0.93	1.02	1.18	1.10														
145	1.02	1.09	1.29	1.20														
150	1.12	1.19	1.37	1.29														
155	1.20	1.26	1.45	1.38														
160	1.29	1.35	1.54	1.46														
165	1.38	1.43	1.61	1.52														
170	1.46	1.50	1.67	1.60														
175	1.55	1.56	1.67	1.63														
180	1.66	1.63	1.67	1.65														

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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: