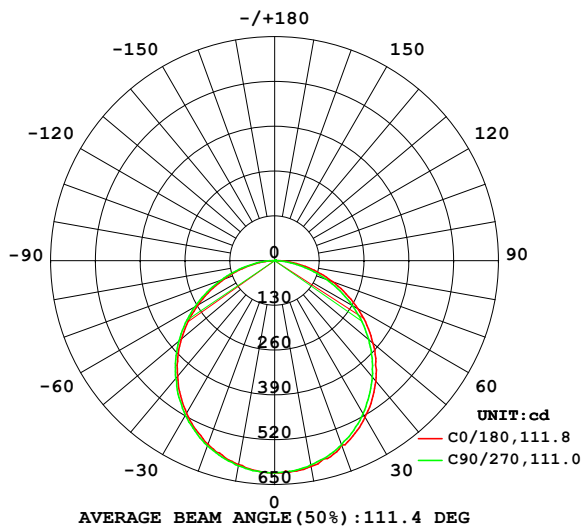


LUMINAIRE PHOTOMETRIC TEST REPORT

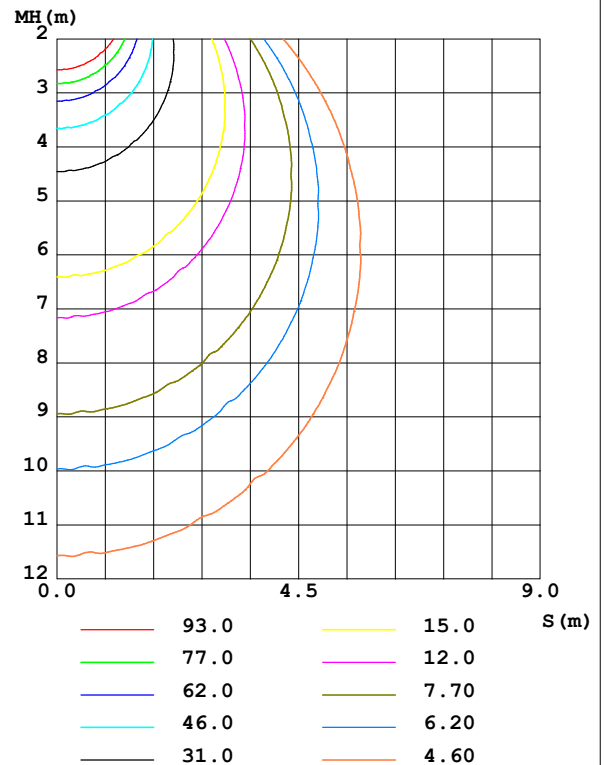
Test:U:119.97V I:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 64.71 lm/W
MODEL	EONF14LAJD1WH_3500K	I _{max} (cd)	616.4	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)	1745.0	η UP,DN(C0-180)	0.1,50.5	
NOMINAL FLUX(lm)	1745.04	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:

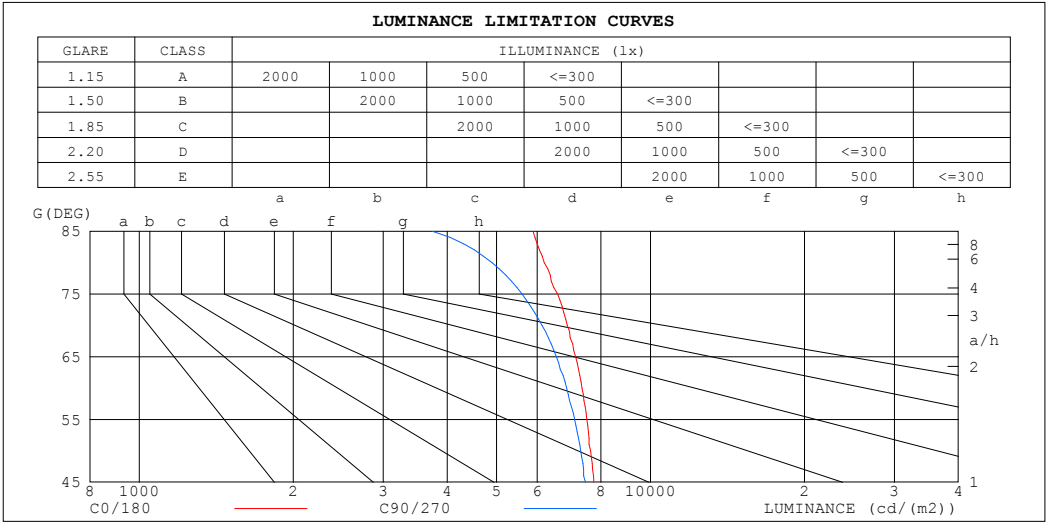
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	606.3	601.8	601.3	605.3					0- 10	58.22	58.22	3.34,3.34
20	569.8	568.3	566.5	571.3					10- 20	166.4	224.6	12.9,12.9
30	525.1	512.7	511.5	518.2					20- 30	251.6	476.2	27.3,27.3
40	457.0	441.7	438.5	446.9					30- 40	302.3	778.5	44.6,44.6
50	373.0	356.7	353.3	363.1					40- 50	312.5	1091	62.5,62.5
60	279.2	260.4	256.8	266.9					50- 60	281.1	1372	78.6,78.6
70	178.6	159.4	155.6	165.8					60- 70	213.2	1585	90.8,90.8
80	81.81	64.58	61.11	69.99					70- 80	122.4	1708	97.9,97.9
90	3.239	0.0332	0.0500	0.1189					80- 90	33.09	1741	99.8,99.8
100	0.1048	0.1825	0.2380	0.1435					90-100	0.1457	1741	99.8,99.8
110	0.3146	0.4034	0.4701	0.3755					100-110	0.2957	1741	99.8,99.8
120	0.5304	0.6188	0.7132	0.6184					110-120	0.5011	1742	99.8,99.8
130	0.7294	0.8123	0.9344	0.8558					120-130	0.6529	1742	99.9,99.9
140	0.9062	0.9889	1.144	1.071					130-140	0.7213	1743	99.9,99.9
150	1.072	1.155	1.321	1.248					140-150	0.6977	1744	99.9,99.9
160	1.249	1.309	1.487	1.419					150-160	0.5928	1744	100,100
170	1.420	1.458	1.605	1.552					160-170	0.4062	1745	100,100
180	1.603	1.585	1.614	1.602					170-180	0.1470	1745	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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 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	5886	3745
80	6197	4895
75	6579	5607
70	6870	6134
65	7133	6545
60	7345	6854
55	7509	7108
50	7633	7304
45	7743	7459

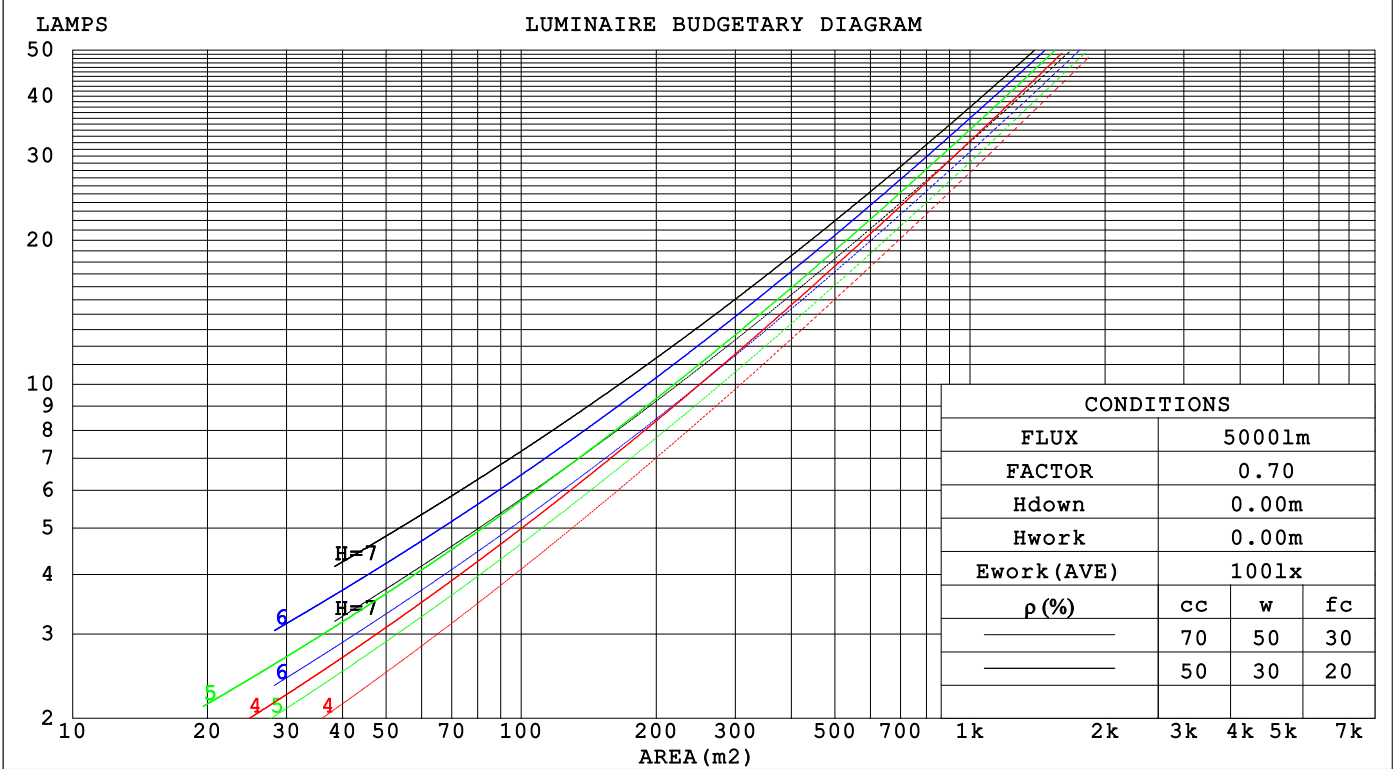
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.97V I:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz		
Lamp Flux:1745.04x1 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															
	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	.56	.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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 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	.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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 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	18.0	19.5	18.3	19.7	19.9	17.7	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	20.7	22.0	21.1	22.3	22.6	20.2	21.4	20.5	21.7	22.0
8H	20.9	22.1	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	22.8	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	20.3	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	22.4	23.3	23.7	21.4	22.3	21.8	22.7	23.1
12H	22.2	23.0	22.6	23.4	23.8	21.5	22.3	21.9	22.7	23.1
8H 4H	21.4	22.3	21.8	22.6	23.0	21.0	21.9	21.5	22.3	22.7
6H	22.2	22.9	22.6	23.3	23.8	21.7	22.4	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	22.2	22.9	22.7	23.3	23.8	21.8	22.4	22.2	22.9	23.3
8H	22.6	23.2	23.1	23.6	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					+ 0.2 / - 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, 1745 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.9$)
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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

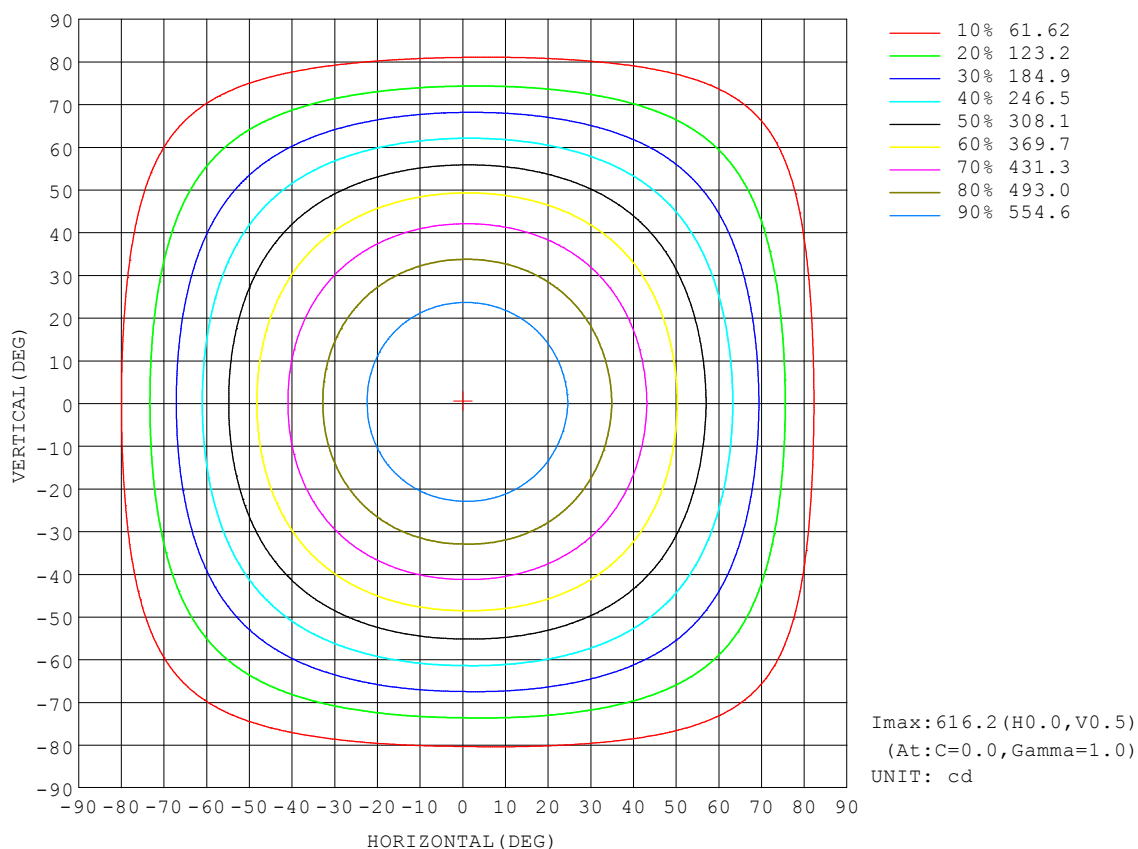
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	55	48	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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

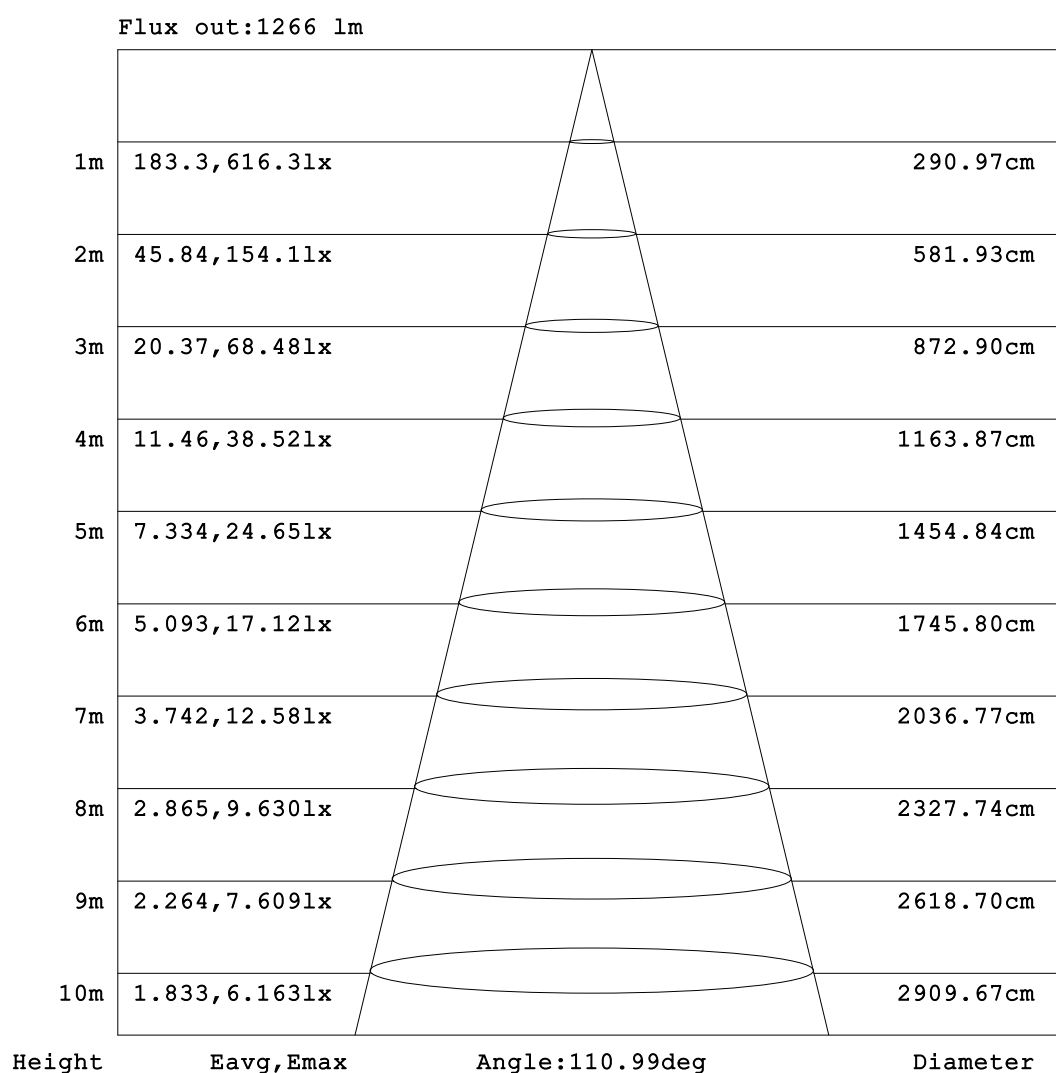


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-06-13

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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:



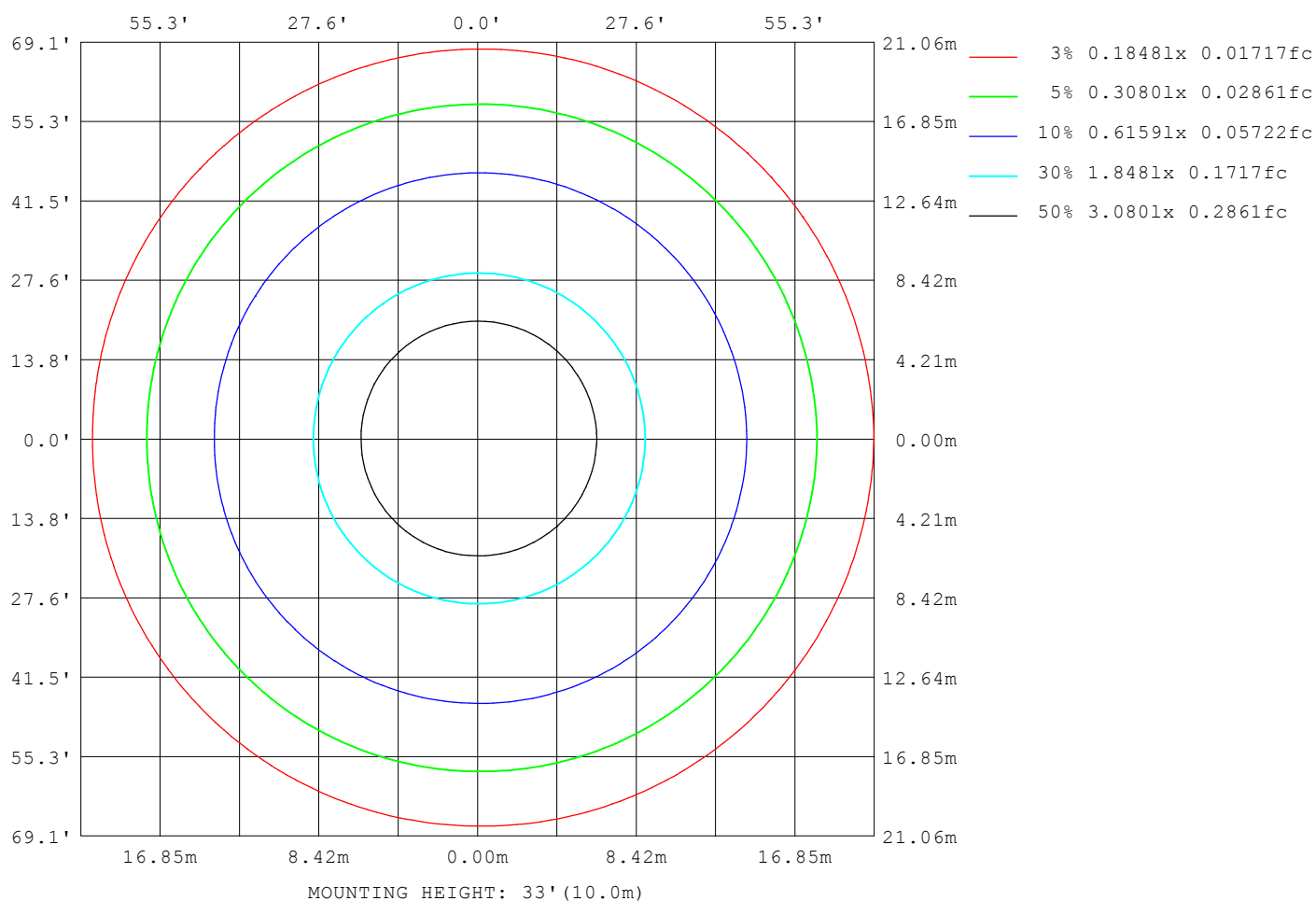
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 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:2025-06-13

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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.312	Shielding Angle:

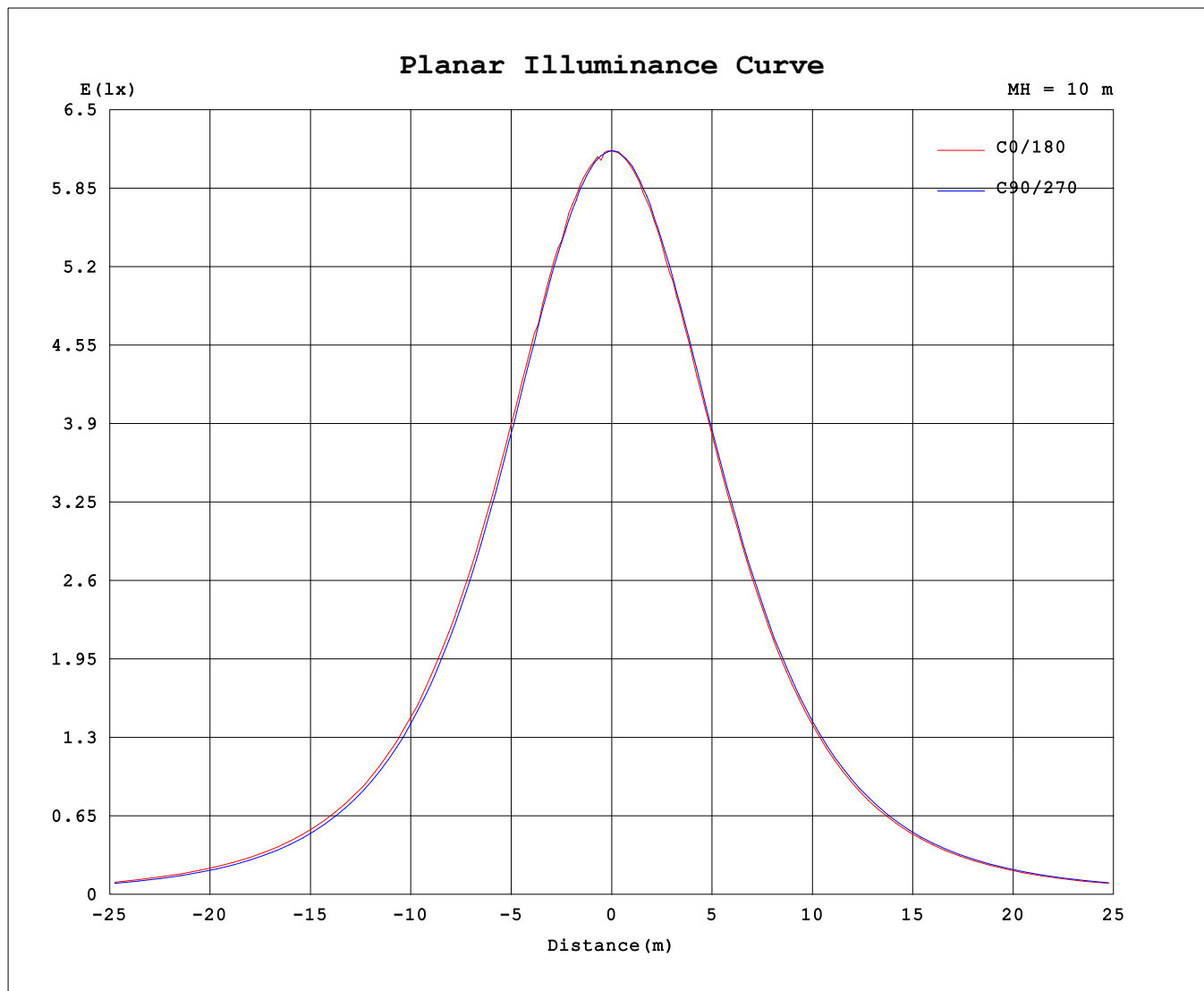
AvgL	cd/m2
L_0~180 (65) av	6776
L_0~180 (75) av	6003
L_0~180 (85) av	4512
L_90~270 (65) av	6639
L_90~270 (75) av	5758
L_90~270 (85) av	4100
L_45 (65) av	6668
L_45 (75) av	5814
L_45 (85) av	4169

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:0.2420A P:26.969W PF:0.9289 Freq:59.98Hz Lamp Flux:1745.04x1 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	616	616	616	616														
5	614	613	612	613														
10	606	602	601	605														
15	594	589	585	590														
20	570	568	567	571														
25	553	543	542	547														
30	525	513	511	518														
35	493	479	477	484														
40	457	442	438	447														
45	416	401	398	406														
50	373	357	353	363														
55	327	310	306	316														
60	279	260	257	267														
65	229	210	206	216														
70	179	159	156	166														
75	129	110	107	116														
80	81.8	64.6	61.1	70.0														
85	39.0	24.8	20.8	29.5														
90	3.24	0.03	0.05	0.12														
95	0.04	0.09	0.14	0.05														
100	0.10	0.18	0.24	0.14														
105	0.20	0.29	0.36	0.26														
110	0.31	0.40	0.47	0.38														
115	0.42	0.51	0.60	0.50														
120	0.53	0.62	0.71	0.62														
125	0.64	0.73	0.83	0.73														
130	0.73	0.81	0.93	0.86														
135	0.82	0.91	1.04	0.96														
140	0.91	0.99	1.14	1.07														
145	0.99	1.08	1.24	1.16														
150	1.07	1.15	1.32	1.25														
155	1.17	1.24	1.41	1.34														
160	1.25	1.31	1.49	1.42														
165	1.33	1.39	1.56	1.48														
170	1.42	1.46	1.61	1.55														
175	1.50	1.52	1.61	1.59														
180	1.60	1.59	1.61	1.60														

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: