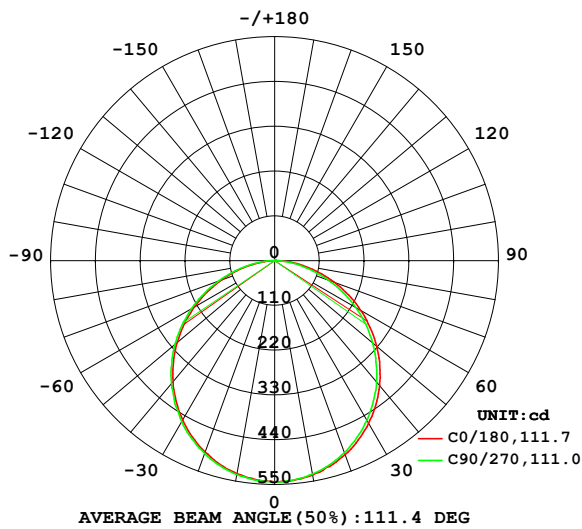


LUMINAIRE PHOTOMETRIC TEST REPORT

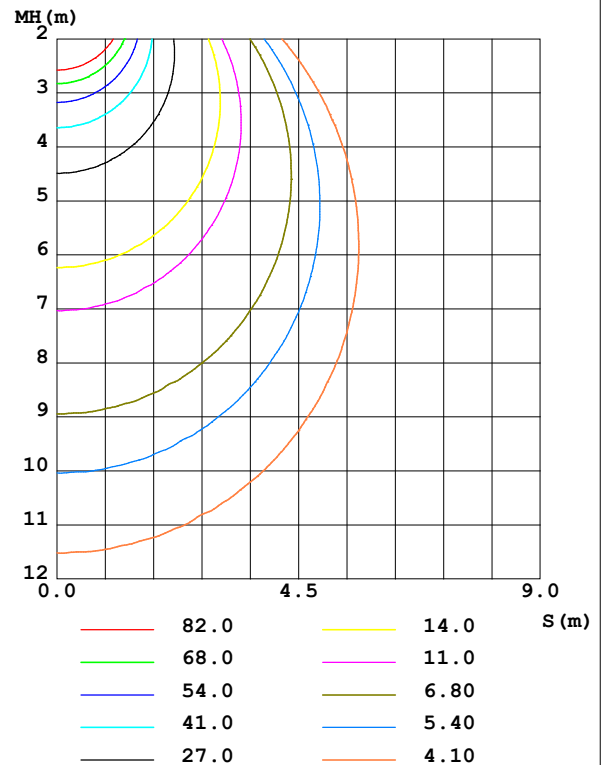
Test:U:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 58.23 lm/W
MODEL	EONF14LAJD1WH_2700K	I _{max} (cd)	543.4	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)	1538.5	η UP,DN(C0-180)	0.1,50.4	
NOMINAL FLUX(lm)	1538.55	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.4	
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:

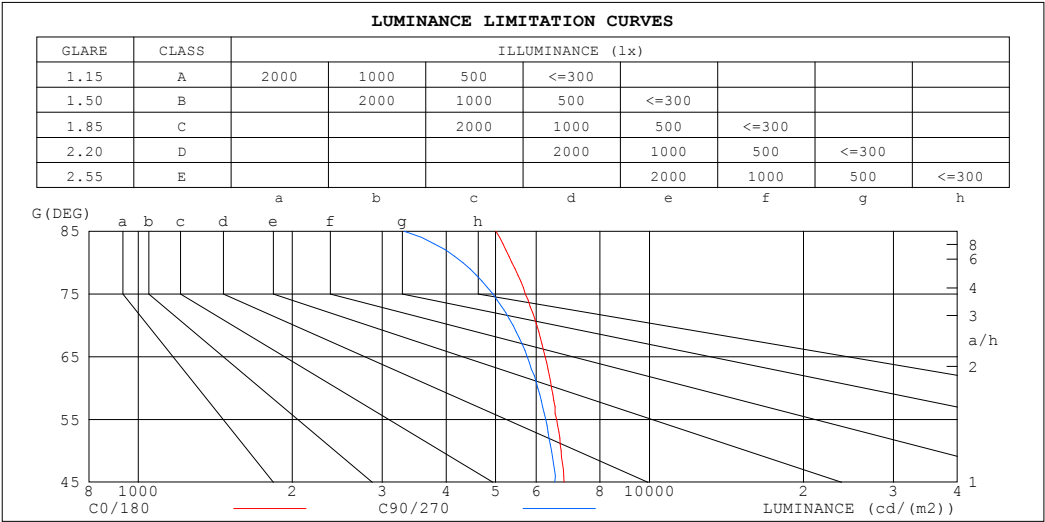
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	535.2	532.6	531.8	533.8					0- 10	51.36	51.36	3.34,3.34
20	507.1	501.8	500.5	504.1					10- 20	146.9	198.2	12.9,12.9
30	462.0	453.1	452.3	456.7					20- 30	222.0	420.2	27.3,27.3
40	401.2	389.8	388.5	394.1					30- 40	266.6	686.8	44.6,44.6
50	327.5	314.7	312.8	320.1					40- 50	275.5	962.3	62.5,62.5
60	243.9	229.8	227.9	235.5					50- 60	247.7	1210	78.6,78.6
70	156.2	140.7	138.6	146.0					60- 70	187.9	1398	90.9,90.9
80	70.94	57.00	55.04	61.81					70- 80	107.9	1506	97.9,97.9
90	2.072	0.0112	0.0387	0.0941					80- 90	29.11	1535	99.8,99.8
100	0.0825	0.1606	0.1934	0.1160					90-100	0.1032	1535	99.8,99.8
110	0.2701	0.3431	0.3977	0.3151					100-110	0.2459	1535	99.8,99.8
120	0.4578	0.5423	0.6073	0.5253					110-120	0.4288	1536	99.8,99.8
130	0.6289	0.7193	0.8115	0.7300					120-130	0.5622	1536	99.9,99.9
140	0.7889	0.8686	0.9825	0.9182					130-140	0.6259	1537	99.9,99.9
150	0.9325	1.007	1.153	1.090					140-150	0.6068	1538	99.9,99.9
160	1.092	1.156	1.297	1.228					150-160	0.5162	1538	100,100
170	1.236	1.283	1.390	1.339					160-170	0.3544	1538	100,100
180	1.391	1.389	1.402	1.394					170-180	0.1281	1539	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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 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	5007	3315
80	5382	4314
75	5718	4937
70	6017	5408
65	6251	5764
60	6427	6041
55	6586	6264
50	6711	6434
45	6806	6527

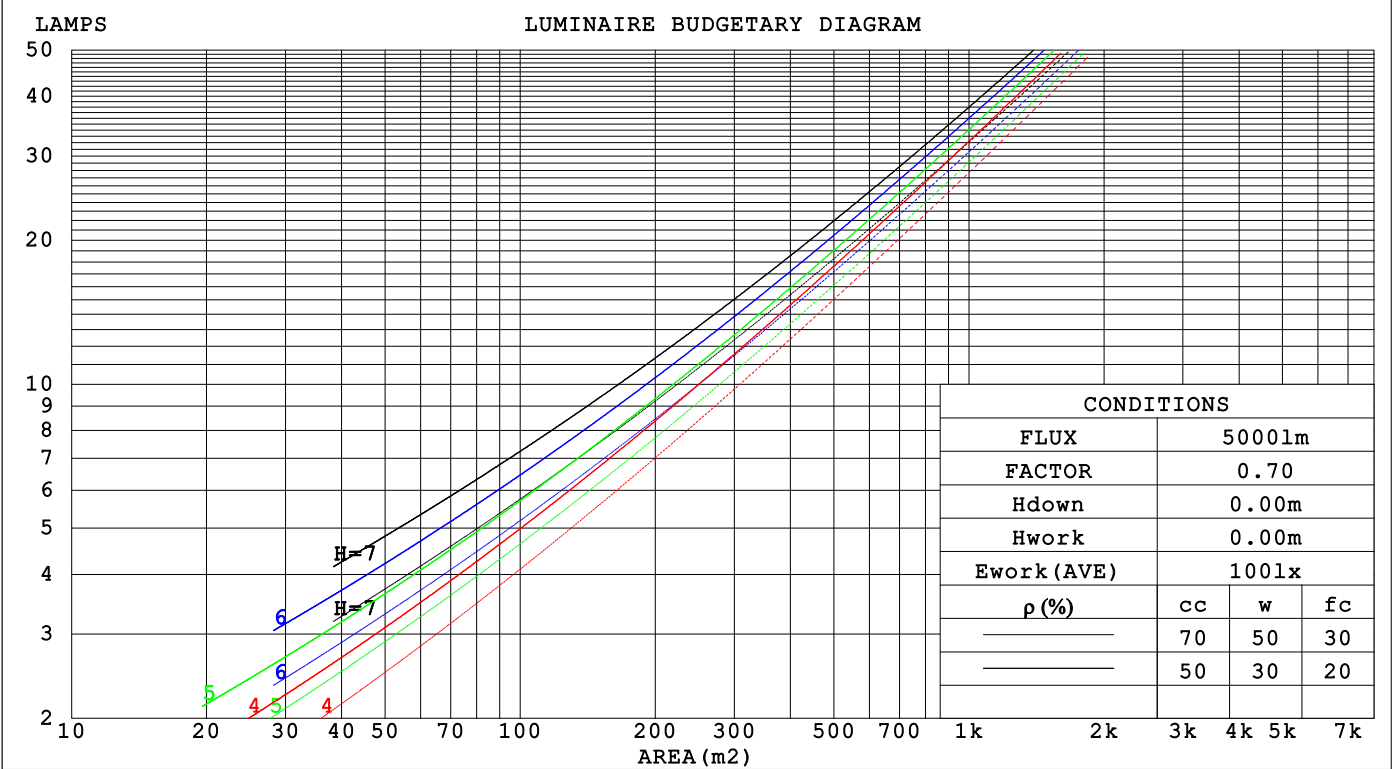
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-13

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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz		
Lamp Flux:1538.55x1 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															



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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 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	.310	.176	.056	.302	.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	.118	.036															
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033															
6.0	.213	.107	.031	.210	.106	.030	.202	.104	.030	.195	.101	.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	.011	
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	.041	.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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 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	18.0	19.5	18.2	19.7	19.9	17.7	19.3	18.0	19.5	19.7
3H	19.5	20.9	19.8	21.2	21.4	19.2	20.6	19.5	20.8	21.1
4H	20.2	21.5	20.5	21.8	22.1	19.8	21.1	20.1	21.4	21.6
6H	20.7	22.0	21.0	22.2	22.5	20.2	21.4	20.5	21.7	22.0
8H	20.9	22.1	21.2	22.4	22.7	20.3	21.5	20.6	21.8	22.1
12H	21.0	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	20.1	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	22.8	20.7	21.8	21.1	22.1	22.5
6H	21.7	22.7	22.1	23.0	23.4	21.2	22.2	21.6	22.5	22.9
8H	22.0	22.9	22.4	23.2	23.6	21.4	22.3	21.8	22.7	23.1
12H	22.1	23.0	22.6	23.3	23.8	21.5	22.3	21.9	22.7	23.1
8H 4H	21.4	22.2	21.8	22.6	23.0	21.0	21.9	21.4	22.3	22.7
6H	22.1	22.9	22.6	23.3	23.7	21.7	22.4	22.1	22.8	23.3
8H	22.5	23.1	22.9	23.5	24.0	21.9	22.6	22.4	23.0	23.5
12H	22.7	23.3	23.2	23.7	24.2	22.1	22.7	22.6	23.1	23.6
12H 4H	21.4	22.2	21.8	22.6	23.0	21.0	21.9	21.5	22.2	22.7
6H	22.2	22.8	22.7	23.3	23.7	21.8	22.4	22.2	22.8	23.3
8H	22.6	23.1	23.0	23.6	24.1	22.1	22.6	22.5	23.1	23.5
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, 1539 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:2025-06-13

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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

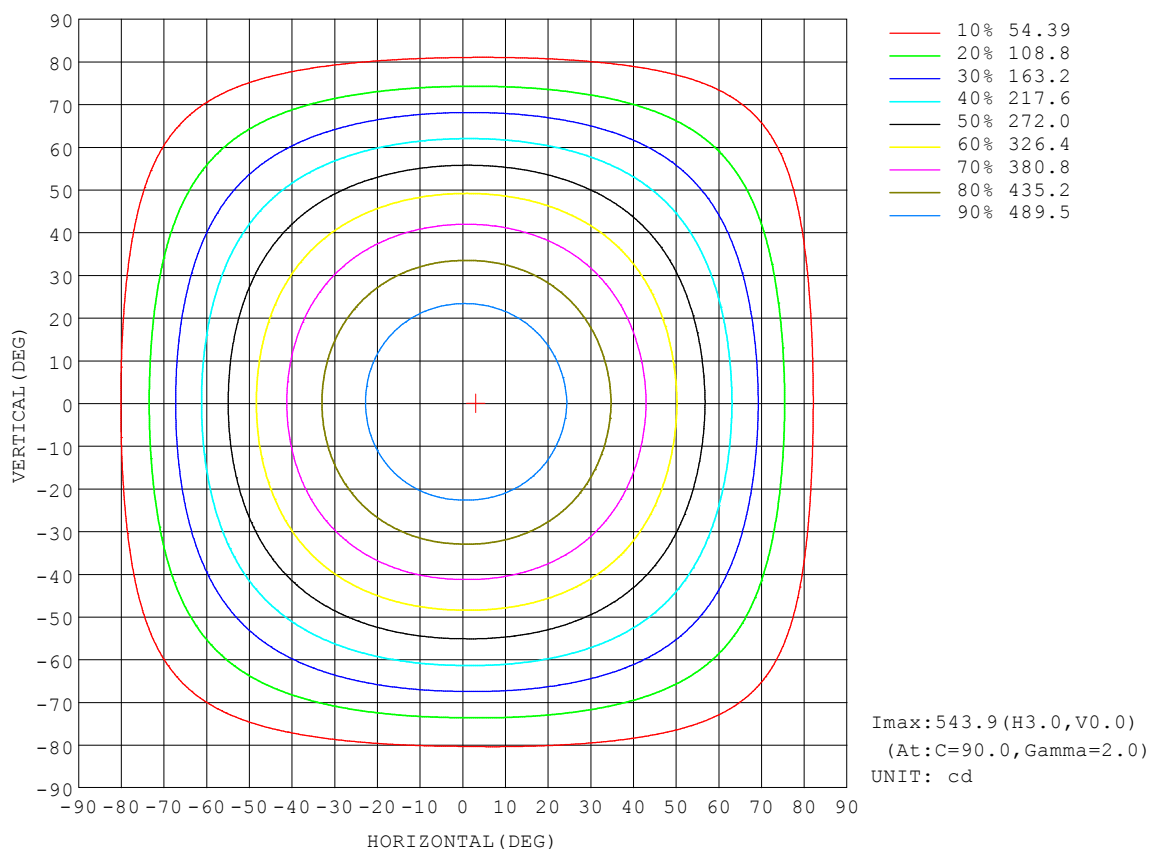
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	48	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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

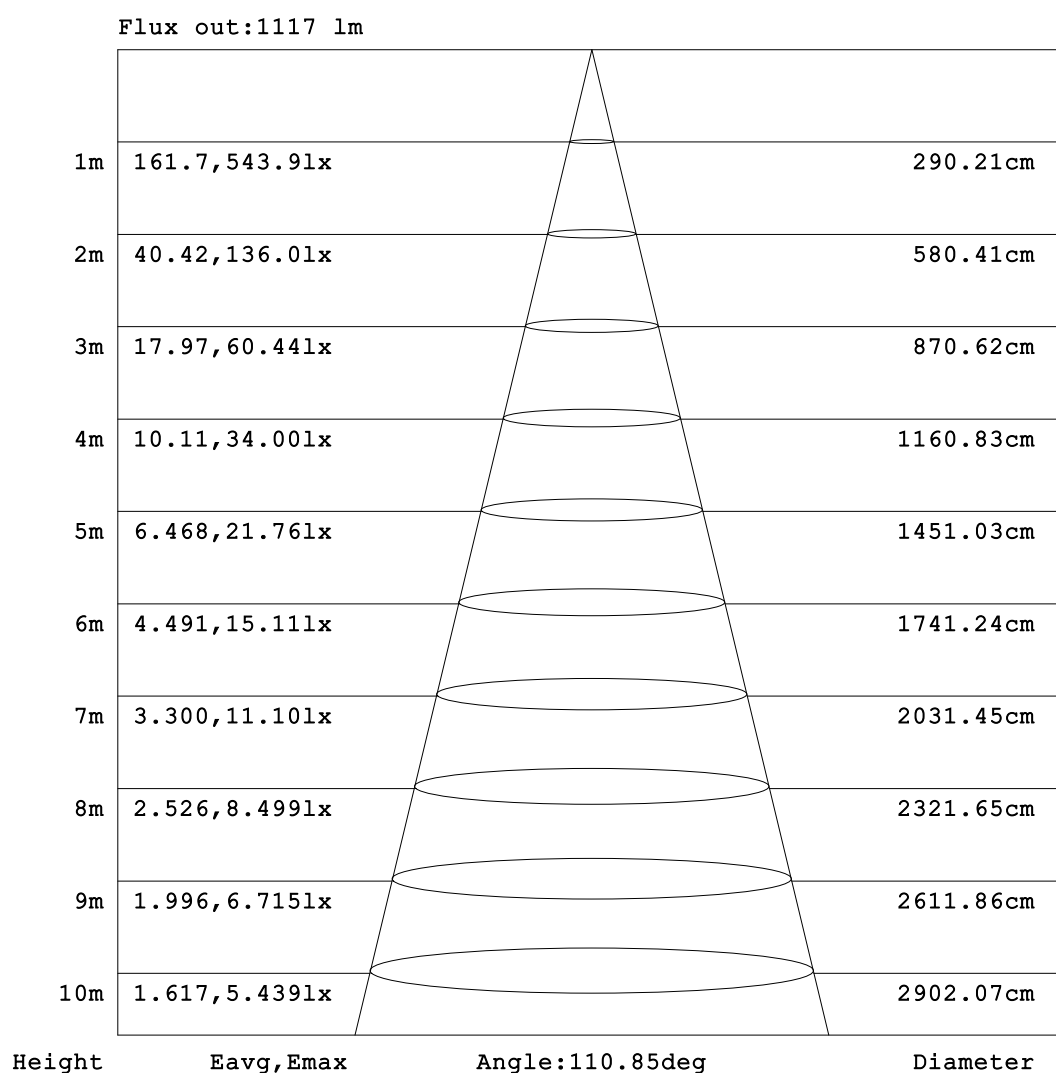


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-06-13

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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:



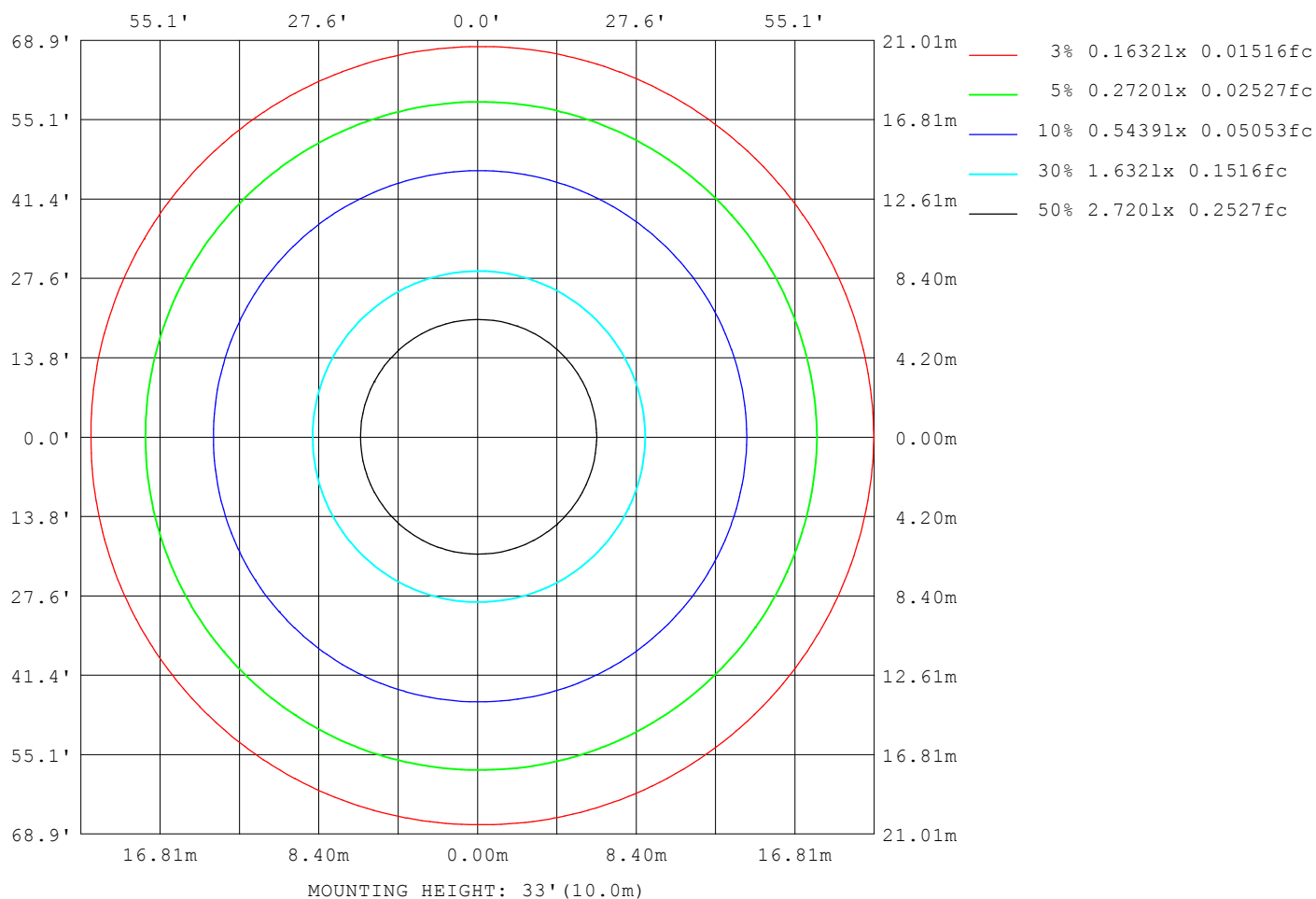
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 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:2025-06-13

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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.312	Shielding Angle:

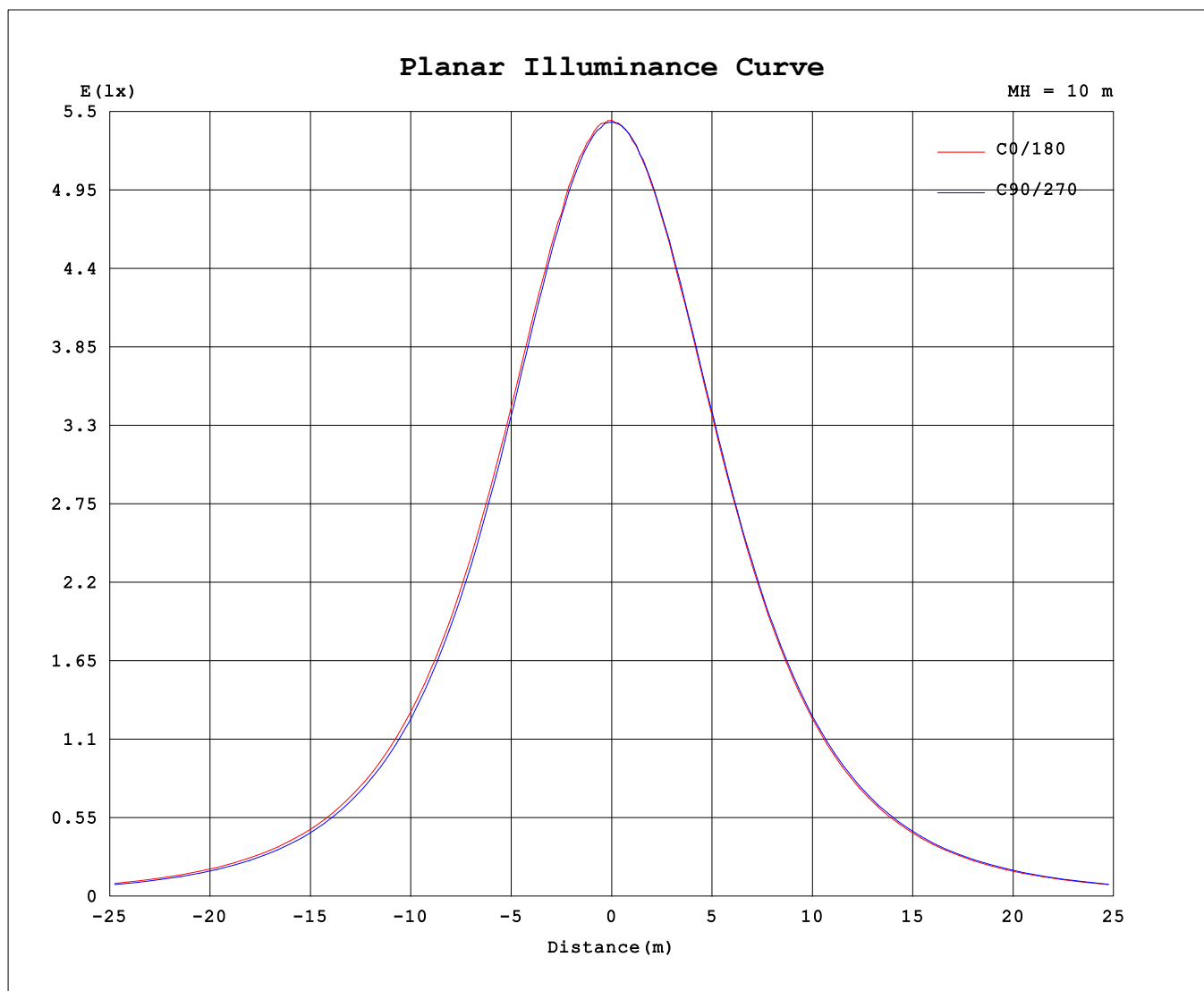
AvgL	cd/m2
L_0~180 (65) av	5975
L_0~180 (75) av	5280
L_0~180 (85) av	3964
L_90~270 (65) av	5847
L_90~270 (75) av	5076
L_90~270 (85) av	3617
L_45 (65) av	5878
L_45 (75) av	5126
L_45 (85) av	3683

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:119.98V I:0.2386A P:26.420W PF:0.9230 Freq:59.98Hz Lamp Flux:1538.55x1 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	543	543	543	543														
5	542	541	540	541														
10	535	533	532	534														
15	524	519	518	521														
20	507	502	500	504														
25	486	479	478	483														
30	462	453	452	457														
35	433	423	422	428														
40	401	390	389	394														
45	365	351	352	357														
50	327	315	313	320														
55	287	273	271	279														
60	244	230	228	235														
65	201	185	183	190														
70	156	141	139	146														
75	112	97.2	95.4	102														
80	70.9	57.0	55.0	61.8														
85	33.1	22.0	19.4	25.9														
90	2.07	0.01	0.04	0.09														
95	0.02	0.08	0.11	0.02														
100	0.08	0.16	0.19	0.12														
105	0.17	0.25	0.30	0.22														
110	0.27	0.34	0.40	0.32														
115	0.36	0.44	0.51	0.43														
120	0.46	0.54	0.61	0.53														
125	0.54	0.63	0.71	0.64														
130	0.63	0.72	0.81	0.73														
135	0.71	0.80	0.92	0.84														
140	0.79	0.87	0.98	0.92														
145	0.85	0.94	1.07	1.00														
150	0.93	1.01	1.15	1.09														
155	1.02	1.07	1.23	1.17														
160	1.09	1.16	1.30	1.23														
165	1.17	1.21	1.36	1.29														
170	1.24	1.28	1.39	1.34														
175	1.31	1.34	1.40	1.38														
180	1.39	1.39	1.40	1.39														

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: