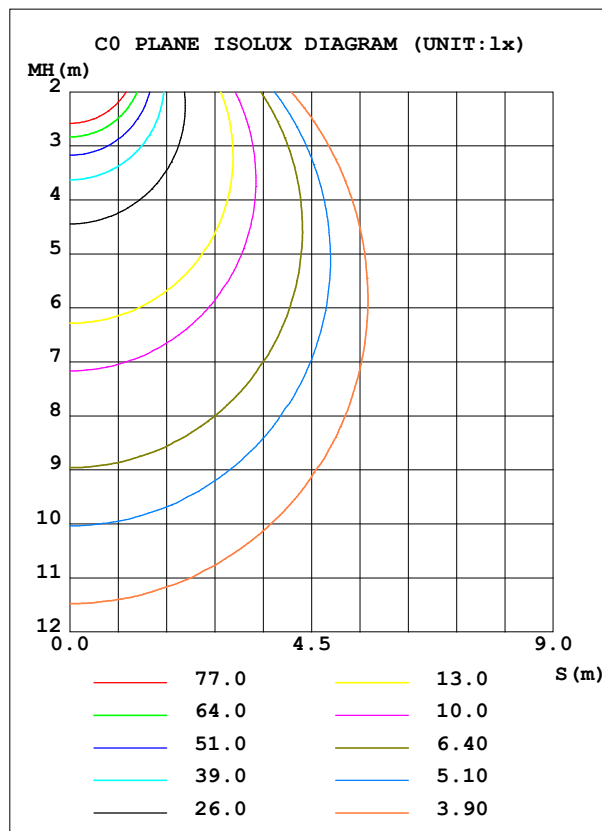
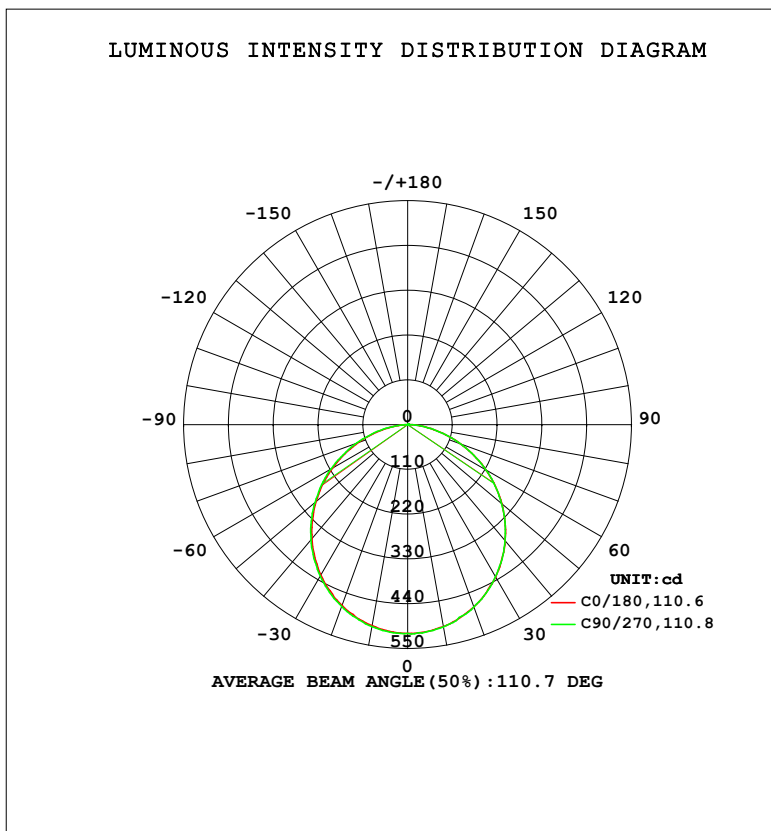


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.94V I:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.312	Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA			
			Eff: 54.79 lm/W			
MODEL	EONF14LAJD1BK_3000K		Imax (cd)	514.0	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)	1440.7	η UP, DN (C0-180)	0.1, 50.5
NOMINAL FLUX (lm)		1440.7	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



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:

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

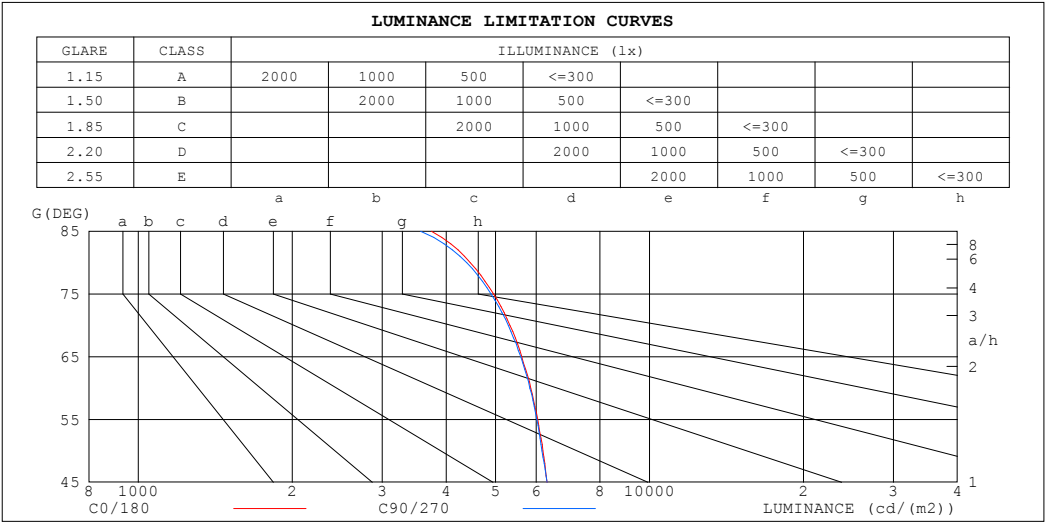
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	503.9	504.9	501.6	503.5					0- 10	48.52	48.52	3.37,3.37
20	476.3	476.1	472.2	475.3					10- 20	138.7	187.2	13,13
30	432.3	431.5	426.6	429.5					20- 30	209.5	396.7	27.5,27.5
40	372.5	372.6	365.7	369.6					30- 40	251.3	647.9	45,45
50	301.8	301.3	293.6	297.2					40- 50	258.8	906.8	62.9,62.9
60	222.3	221.8	213.2	217.1					50- 60	231.8	1139	79,79
70	138.5	137.7	128.3	133.2					60- 70	174.7	1313	91.2,91.2
80	58.76	58.00	49.93	53.88					70- 80	98.98	1412	98,98
90	0.0634	0.0001	0.0167	0.0227					80- 90	25.16	1437	99.8,99.8
100	0.0661	0.1329	0.1658	0.1159					90-100	0.0598	1437	99.8,99.8
110	0.2372	0.3043	0.3590	0.3095					100-110	0.2214	1438	99.8,99.8
120	0.4138	0.4979	0.5577	0.5032					110-120	0.3939	1438	99.8,99.8
130	0.5795	0.6638	0.7510	0.6967					120-130	0.5217	1439	99.9,99.9
140	0.7339	0.8130	0.9220	0.8736					130-140	0.5830	1439	99.9,99.9
150	0.8665	0.9458	1.077	1.018					140-150	0.5673	1440	99.9,99.9
160	1.026	1.078	1.226	1.156					150-160	0.4842	1440	100,100
170	1.164	1.189	1.317	1.266					160-170	0.3331	1441	100,100
180	1.308	1.311	1.325	1.305					170-180	0.1205	1441	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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.312	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3746	3568
80	4456	4390
75	4952	4900
70	5335	5291
65	5628	5597
60	5854	5832
55	6041	6015
50	6184	6163
45	6303	6299

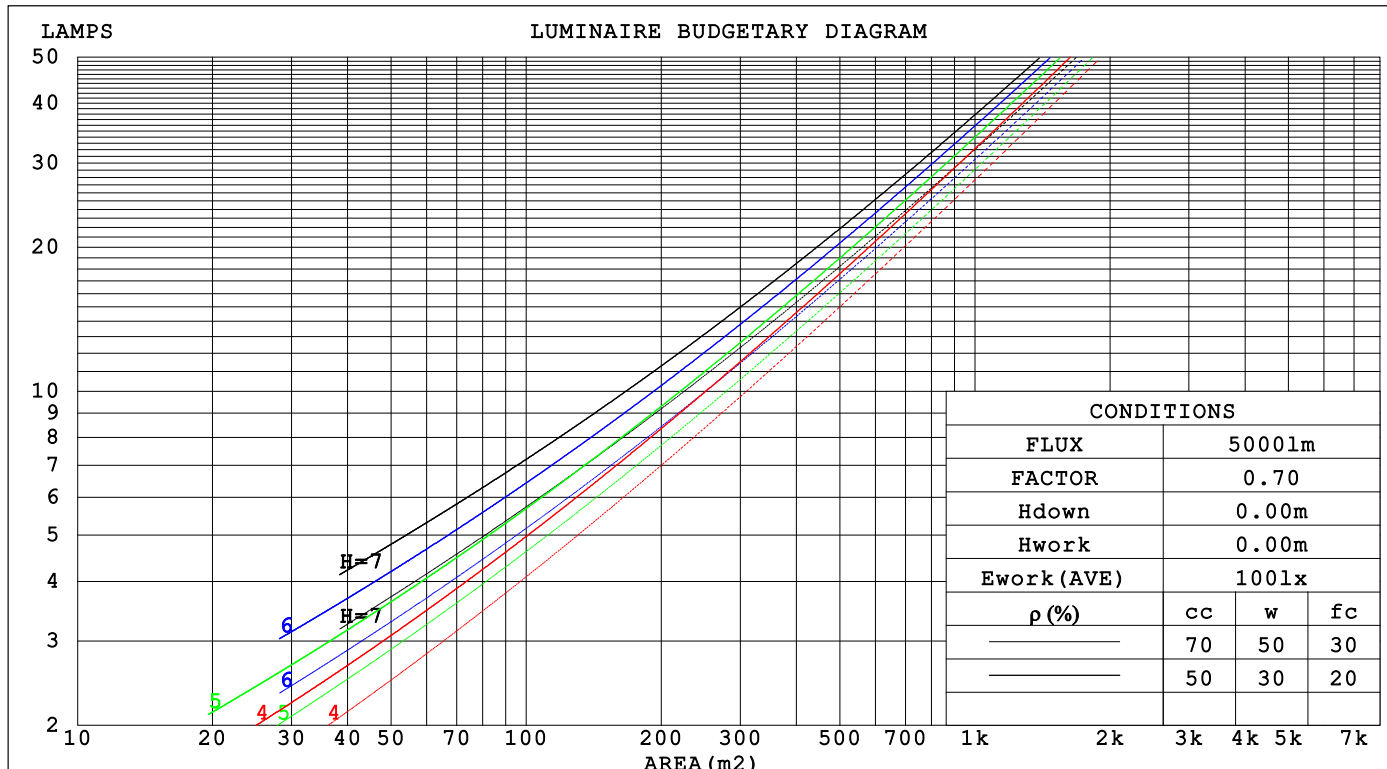
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-07

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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
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	.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	.48	.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	.27	.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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.: 3000K	
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	.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	.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:119.94V I:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.: 3000K				
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	18.1	19.6	19.8	17.9	19.4	18.1	19.6	19.8
3H	19.4	20.8	19.7	21.0	21.3	19.4	20.8	19.7	21.0	21.2
4H	20.0	21.3	20.3	21.6	21.8	20.0	21.3	20.3	21.5	21.8
6H	20.4	21.7	20.8	22.0	22.2	20.4	21.6	20.7	21.9	22.2
8H	20.6	21.8	20.9	22.1	22.4	20.5	21.7	20.9	22.0	22.3
12H	20.6	21.8	21.0	22.1	22.4	20.6	21.7	20.9	22.0	22.4
4H 2H	18.5	19.8	18.8	20.1	20.3	18.5	19.8	18.8	20.1	20.3
3H	20.2	21.3	20.5	21.6	21.9	20.2	21.3	20.5	21.6	21.9
4H	20.9	22.0	21.3	22.3	22.6	20.9	21.9	21.3	22.3	22.6
6H	21.5	22.4	21.9	22.8	23.1	21.4	22.4	21.8	22.7	23.1
8H	21.7	22.5	22.1	22.9	23.3	21.6	22.5	22.0	22.9	23.3
12H	21.8	22.6	22.2	23.0	23.4	21.7	22.5	22.2	22.9	23.3
8H 4H	21.2	22.0	21.6	22.4	22.8	21.1	22.0	21.6	22.4	22.8
6H	21.9	22.6	22.3	23.0	23.4	21.8	22.6	22.3	23.0	23.4
8H	22.1	22.8	22.6	23.2	23.7	22.1	22.8	22.6	23.2	23.6
12H	22.3	22.9	22.8	23.4	23.8	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	21.9	22.6	22.4	23.0	23.5	21.9	22.5	22.4	23.0	23.4
8H	22.2	22.8	22.7	23.3	23.7	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, 1441 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.3$)
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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.312	Shielding Angle:

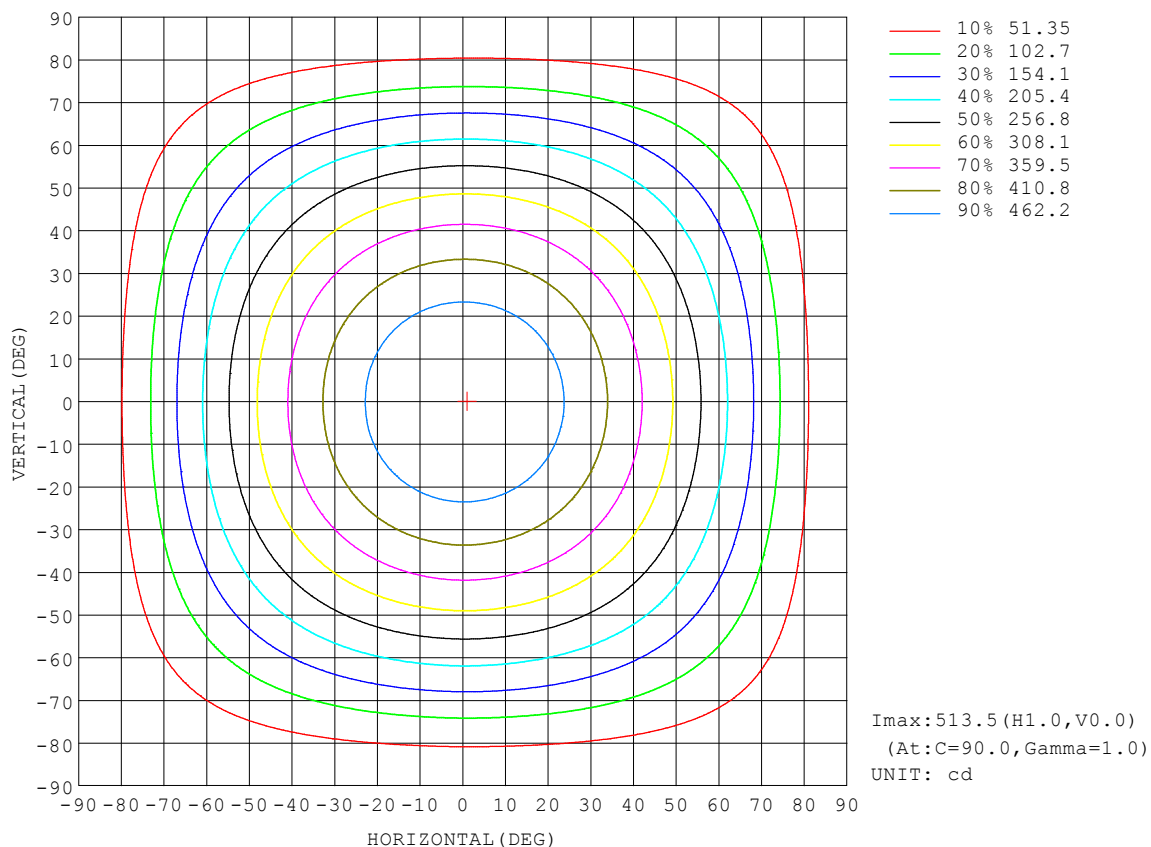
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	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:119.94V I:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.312	Shielding Angle:

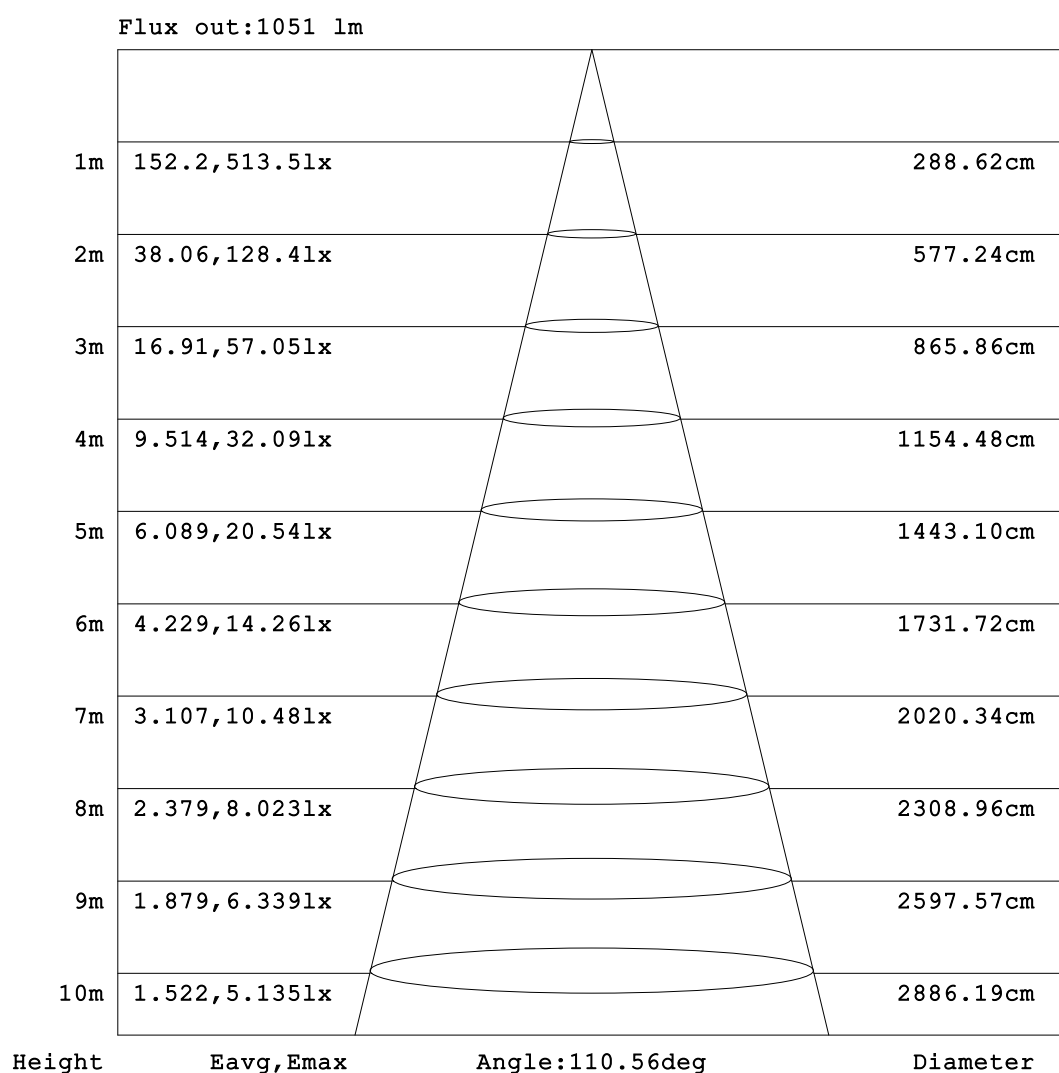


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-07

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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.312	Shielding Angle:



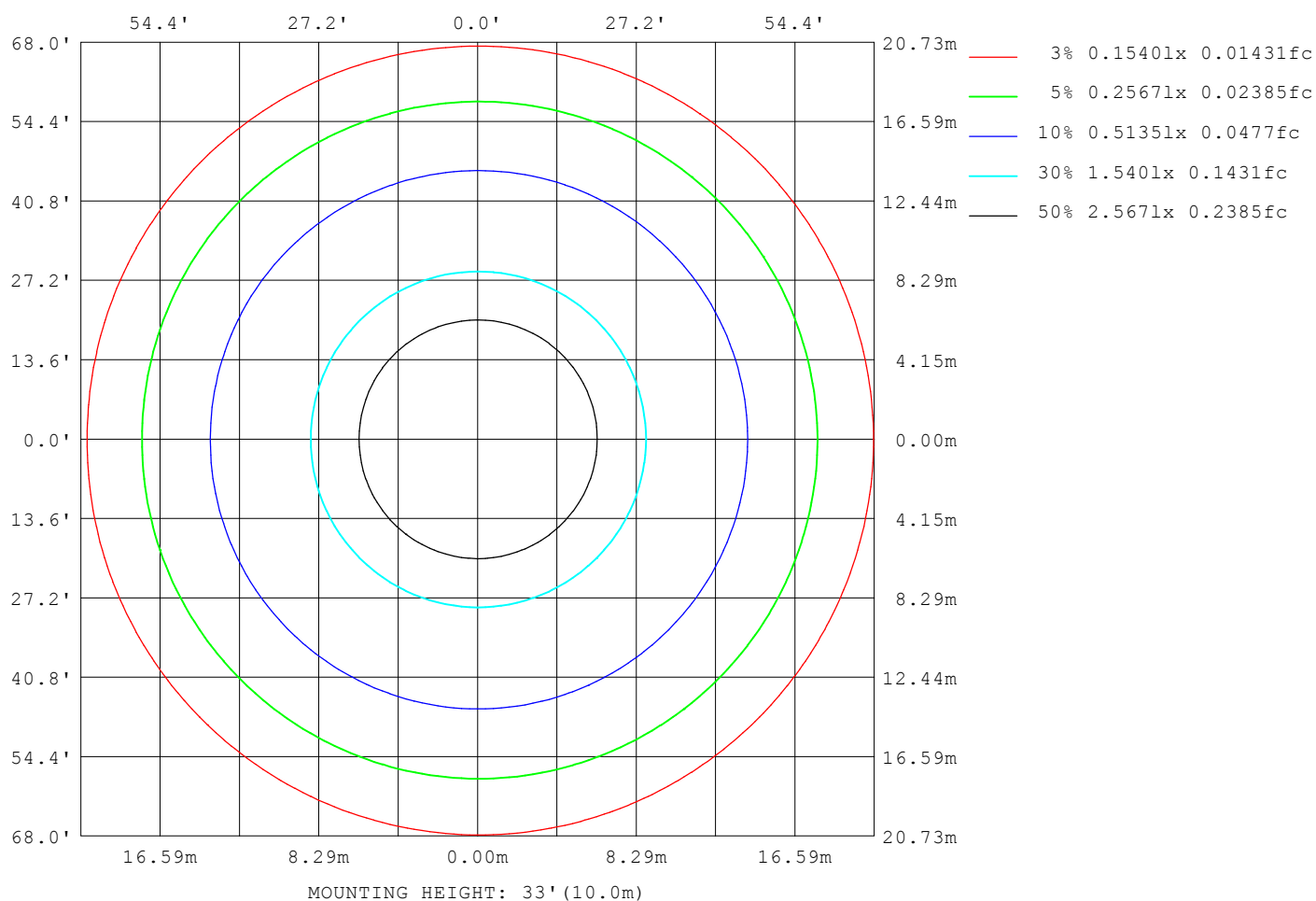
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.312	Shielding Angle:

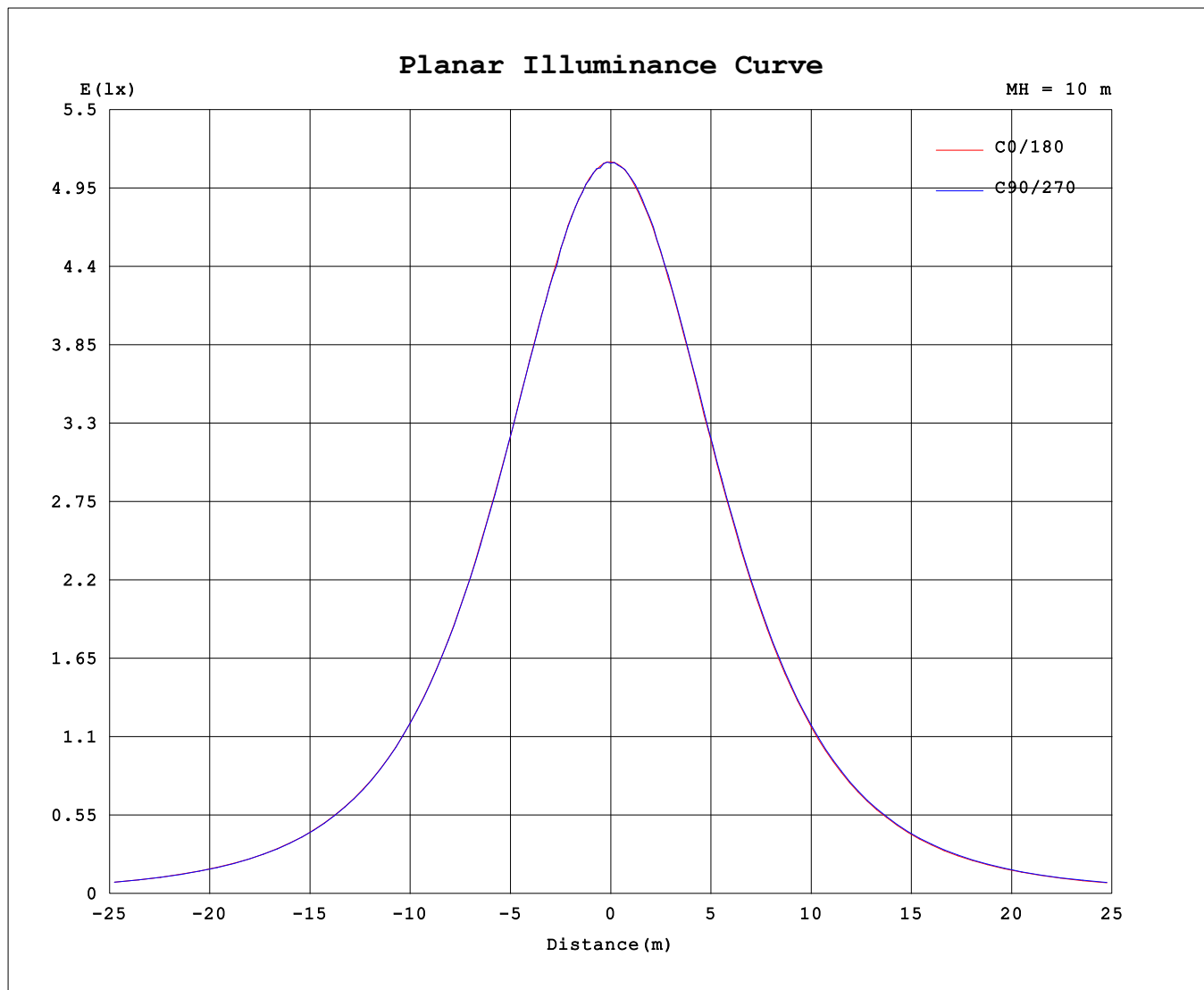
AvgL	cd/m2
L_0~180 (65) av	5467
L_0~180 (75) av	4696
L_0~180 (85) av	3201
L_90~270 (65) av	5527
L_90~270 (75) av	4796
L_90~270 (85) av	3271
L_45 (65) av	5495
L_45 (75) av	4743
L_45 (85) av	3211

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:0.2352A P:26.295W PF:0.9321 Freq:59.98Hz Lamp Flux:1440.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.312	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	513	513	513	513														
5	511	512	510	511														
10	504	505	502	503														
15	492	490	490	491														
20	476	476	472	475														
25	456	457	451	455														
30	432	432	427	430														
35	404	404	398	401														
40	373	373	366	370														
45	338	339	331	335														
50	302	301	294	297														
55	263	262	254	258														
60	222	222	213	217														
65	181	180	171	175														
70	139	138	128	133														
75	97.3	96.5	87.4	92.2														
80	58.8	58.0	49.9	53.9														
85	24.8	23.7	17.6	19.7														
90	0.06	0.00	0.02	0.02														
95	0.01	0.05	0.08	0.03														
100	0.07	0.13	0.17	0.12														
105	0.15	0.22	0.26	0.21														
110	0.24	0.30	0.36	0.31														
115	0.33	0.41	0.46	0.41														
120	0.41	0.50	0.56	0.50														
125	0.50	0.59	0.66	0.60														
130	0.58	0.66	0.75	0.70														
135	0.66	0.74	0.84	0.79														
140	0.73	0.81	0.92	0.87														
145	0.80	0.87	1.00	0.95														
150	0.87	0.95	1.08	1.02														
155	0.94	1.01	1.15	1.09														
160	1.03	1.08	1.23	1.16														
165	1.09	1.14	1.29	1.22														
170	1.16	1.19	1.32	1.27														
175	1.22	1.26	1.32	1.30														
180	1.31	1.31	1.32	1.31														

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: