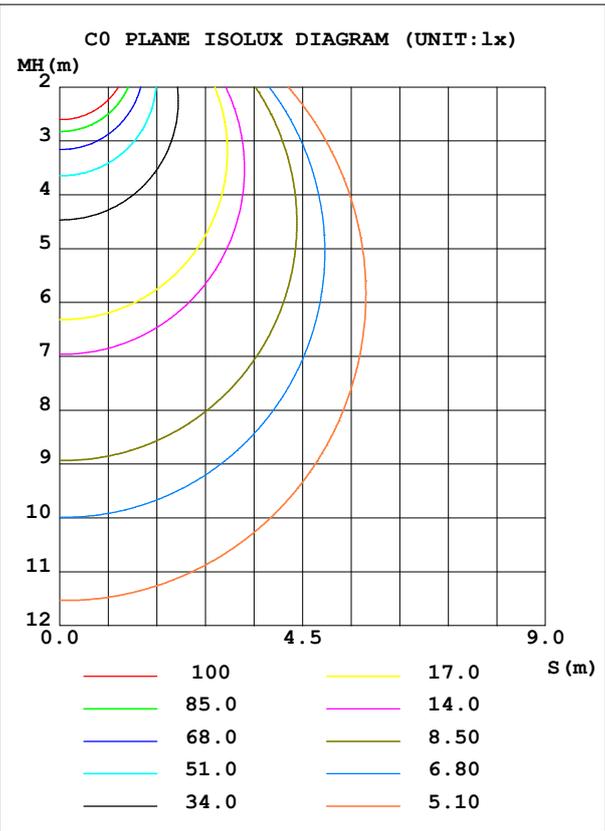
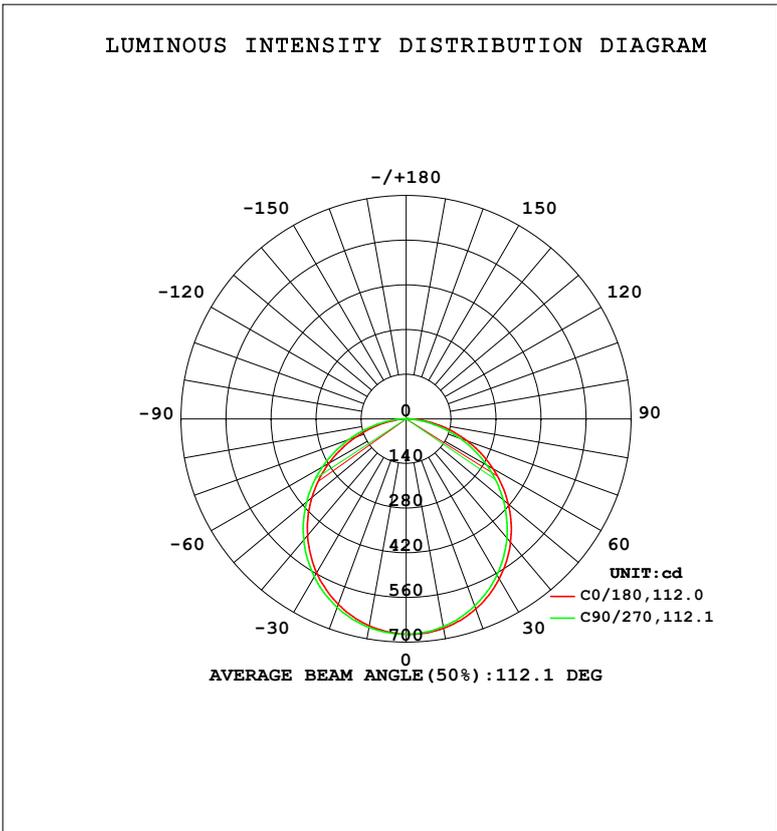


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	EGRF1625LAJUDBK_2700K	Imax (cd)	675.3	S/MH (C0/180)	1.23
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1925.9	η UP, DN (C0-180)	0.1,50.7
NOMINAL FLUX (lm)	1925.91	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



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:

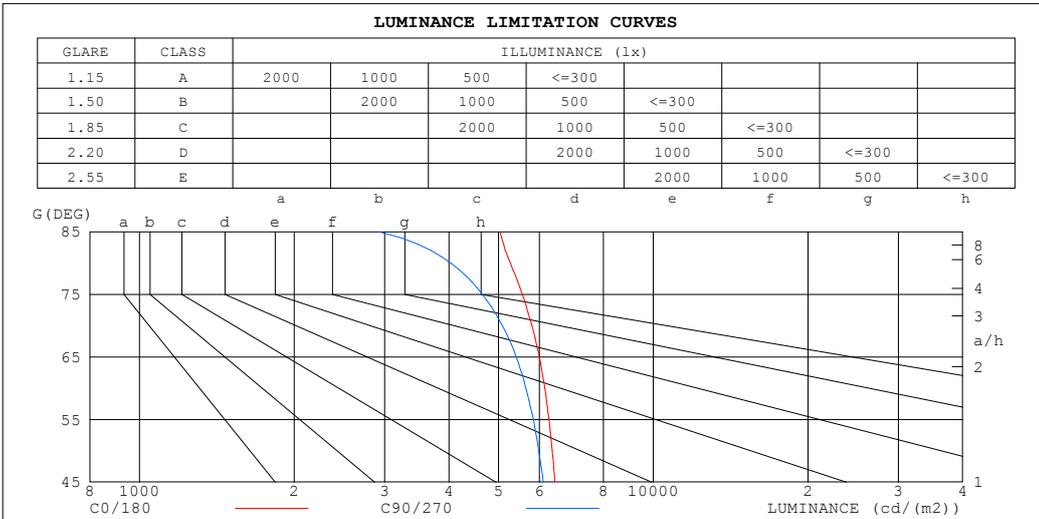
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	666.6	661.4	658.5	663.7					0- 10	63.83	63.83	3.31,3.31
20	634.1	623.9	618.5	628.7					10- 20	182.7	246.5	12.8,12.8
30	579.3	565.1	557.0	571.8					20- 30	276.4	522.9	27.2,27.2
40	505.0	487.4	477.6	496.0					30- 40	332.8	855.7	44.4,44.4
50	414.9	394.4	383.2	404.5					40- 50	344.8	1200	62.3,62.3
60	312.0	289.6	277.3	300.4					50- 60	311.1	1512	78.5,78.5
70	201.6	178.2	165.9	189.8					60- 70	237.1	1749	90.8,90.8
80	92.87	71.84	61.46	82.39					70- 80	136.5	1885	97.9,97.9
90	4.667	0.0556	0.0827	0.0945					80- 90	36.03	1921	99.8,99.8
100	0.1263	0.2278	0.2971	0.1831					90-100	0.1955	1922	99.8,99.8
110	0.3406	0.4610	0.5392	0.4328					100-110	0.3405	1922	99.8,99.8
120	0.5660	0.6997	0.7921	0.6937					110-120	0.5614	1922	99.8,99.8
130	0.7750	0.9052	1.029	0.9380					120-130	0.7171	1923	99.9,99.9
140	0.9621	1.077	1.254	1.166					130-140	0.7858	1924	99.9,99.9
150	1.160	1.249	1.435	1.349					140-150	0.7555	1925	99.9,99.9
160	1.336	1.416	1.611	1.521					150-160	0.6388	1925	100,100
170	1.512	1.571	1.719	1.660					160-170	0.4369	1926	100,100
180	1.705	1.721	1.727	1.710					170-180	0.1574	1926	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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5031	2927
80	5269	4036
75	5561	4648
70	5806	5084
65	5999	5409
60	6148	5651
55	6267	5846
50	6359	5986
45	6436	6106

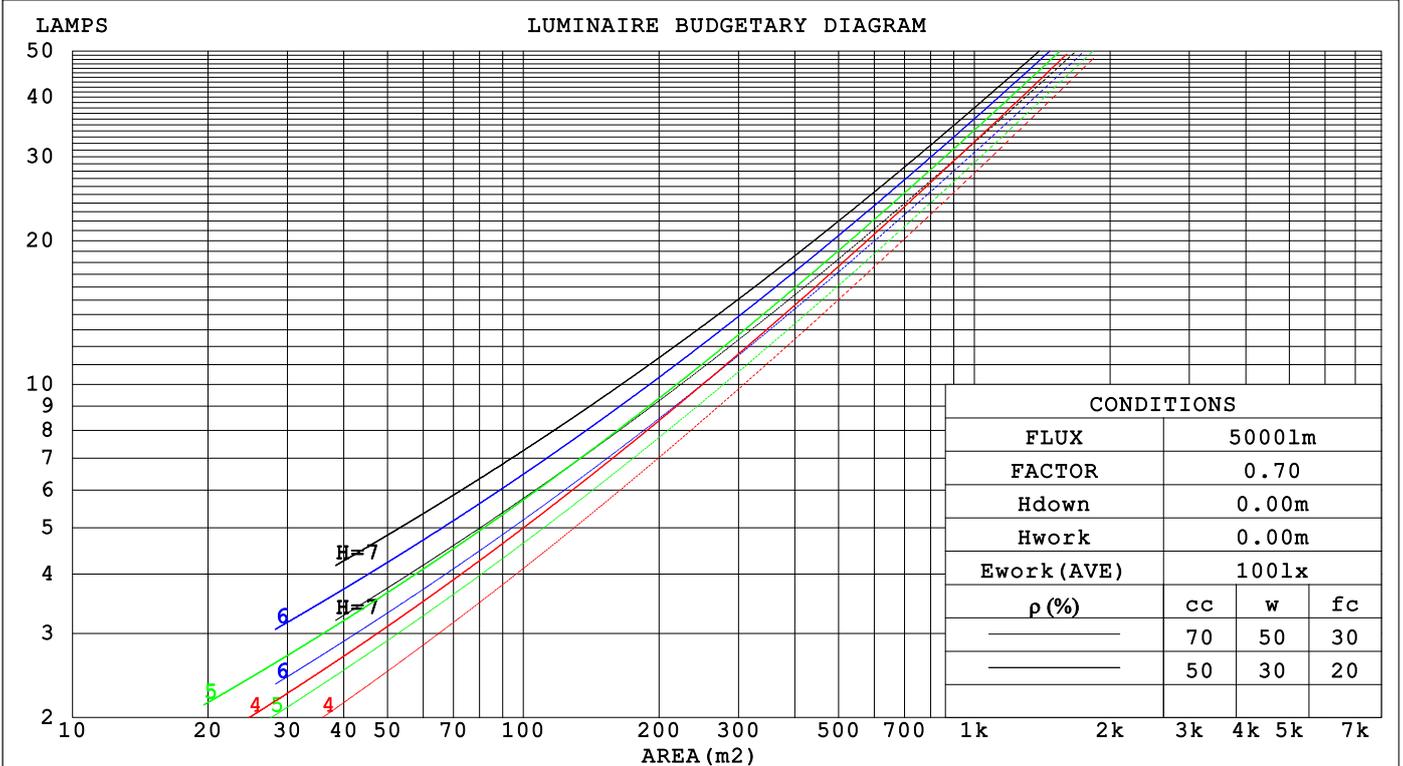
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-07

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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.99	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.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	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz		
Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.290	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.270	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.227	.122	.037	.218	.119	.036	
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.090	.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:2025-07-07

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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	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	19.3	20.8	19.6	21.1	21.3	19.0	20.5	19.3	20.8	21.0
3H	20.9	22.4	21.3	22.6	22.8	20.5	21.9	20.8	22.2	22.4
4H	21.6	23.0	21.9	23.2	23.5	21.1	22.4	21.4	22.7	22.9
6H	22.1	23.4	22.5	23.7	24.0	21.5	22.7	21.8	23.0	23.3
8H	22.3	23.6	22.7	23.8	24.1	21.6	22.8	21.9	23.1	23.4
12H	22.5	23.6	22.8	23.9	24.2	21.6	22.8	22.0	23.1	23.4
4H 2H	19.9	21.3	20.2	21.5	21.8	19.7	21.0	20.0	21.3	21.5
3H	21.7	22.9	22.1	23.2	23.5	21.4	22.5	21.7	22.8	23.1
4H	22.5	23.6	22.9	23.9	24.3	22.1	23.1	22.4	23.5	23.8
6H	23.2	24.1	23.6	24.5	24.9	22.6	23.5	23.0	23.9	24.3
8H	23.4	24.3	23.8	24.7	25.1	22.7	23.6	23.2	24.0	24.4
12H	23.6	24.4	24.0	24.8	25.2	22.8	23.6	23.3	24.0	24.4
8H 4H	22.8	23.7	23.2	24.0	24.4	22.4	23.3	22.8	23.6	24.0
6H	23.6	24.3	24.0	24.7	25.2	23.0	23.8	23.5	24.2	24.6
8H	23.9	24.6	24.4	25.0	25.5	23.3	23.9	23.7	24.4	24.8
12H	24.2	24.8	24.7	25.2	25.7	23.4	24.0	23.9	24.4	24.9
12H 4H	22.8	23.6	23.2	24.0	24.4	22.4	23.2	22.8	23.6	24.0
6H	23.6	24.3	24.1	24.7	25.2	23.1	23.8	23.6	24.2	24.7
8H	24.0	24.6	24.5	25.0	25.5	23.4	24.0	23.9	24.4	24.9

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, 1926 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.3)
Area: 0.102 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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:

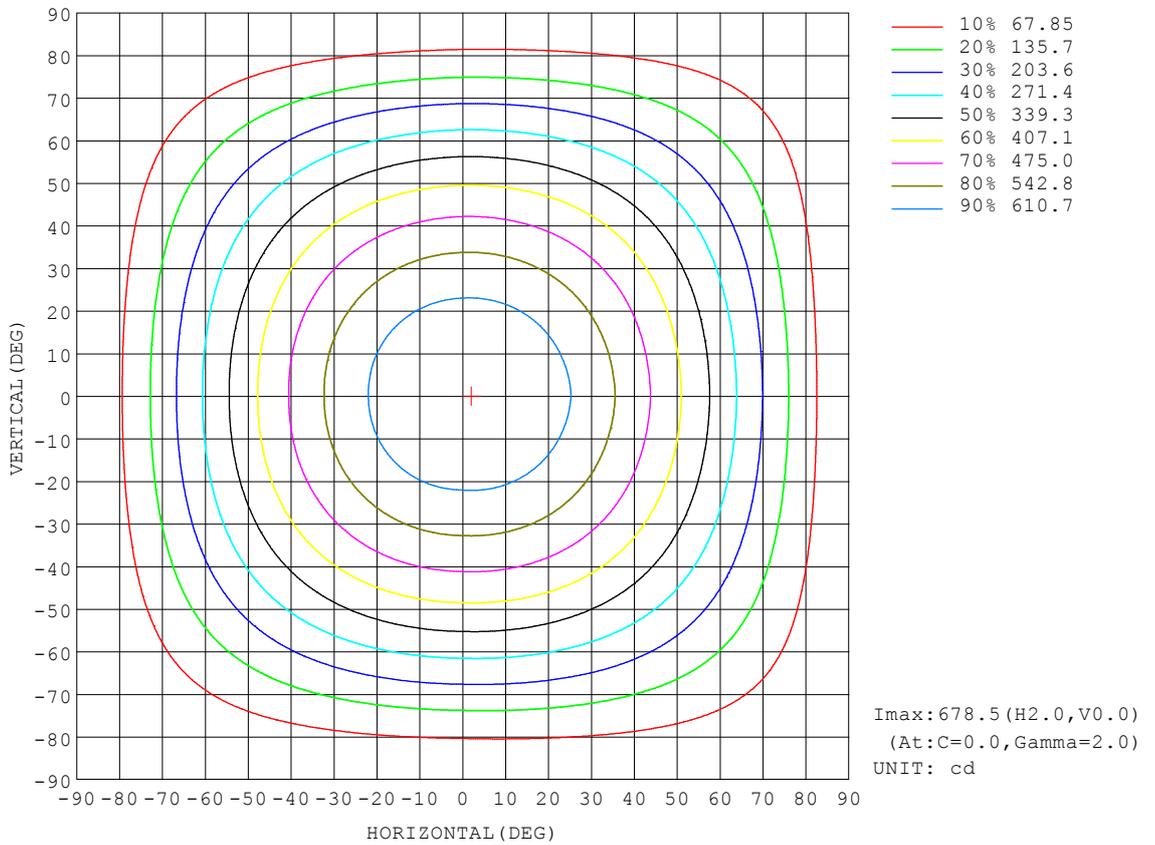
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	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:2025-07-07

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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:

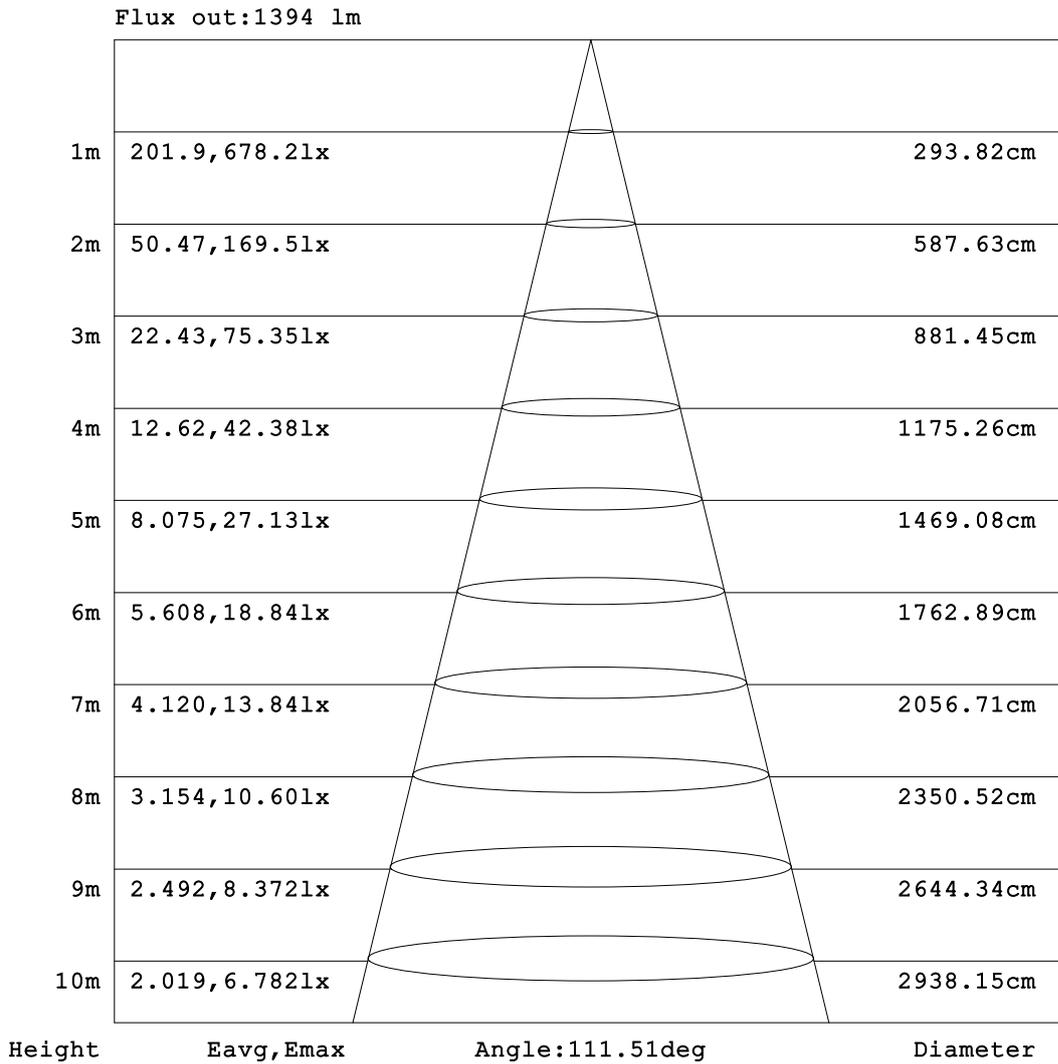


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-07

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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:



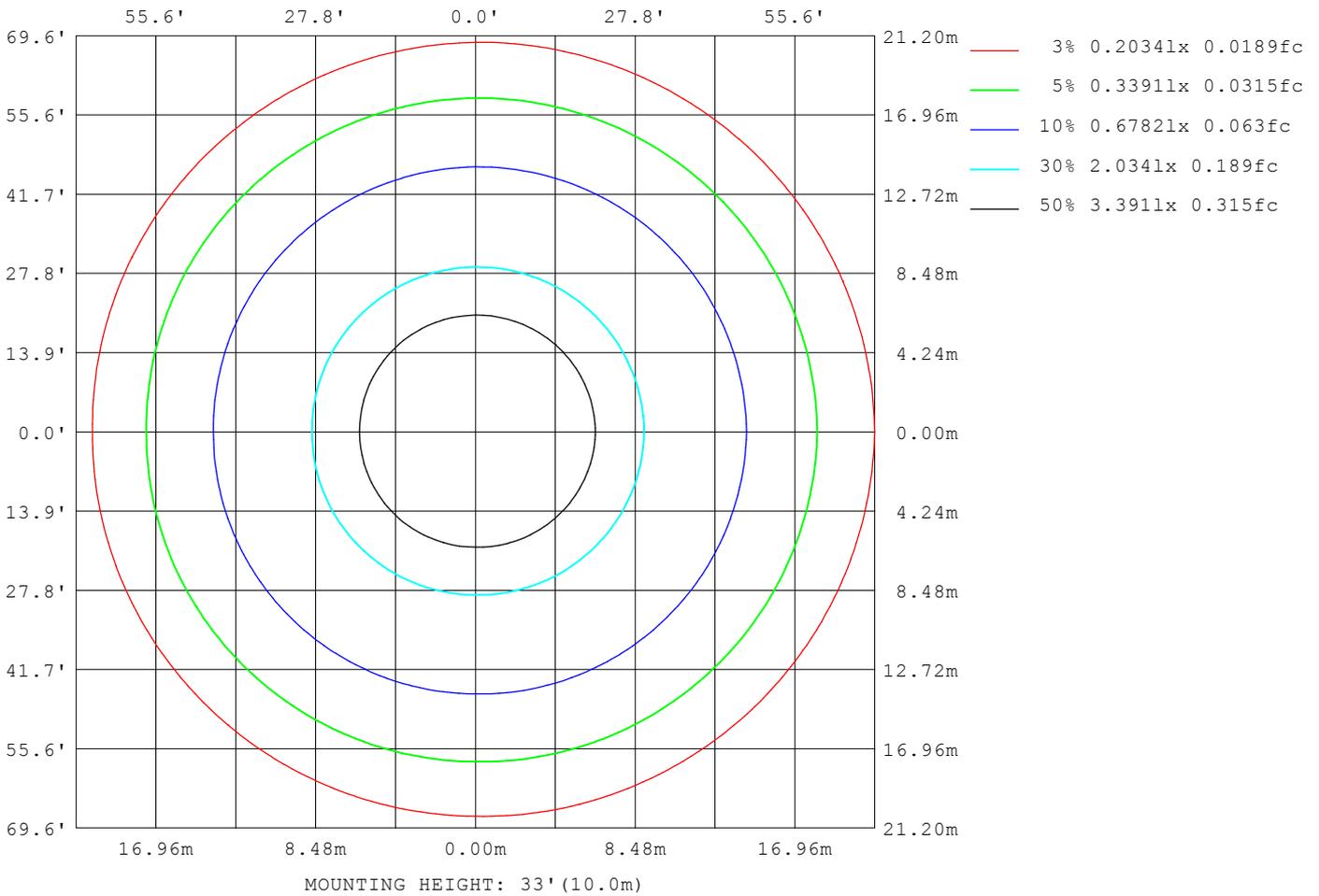
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:

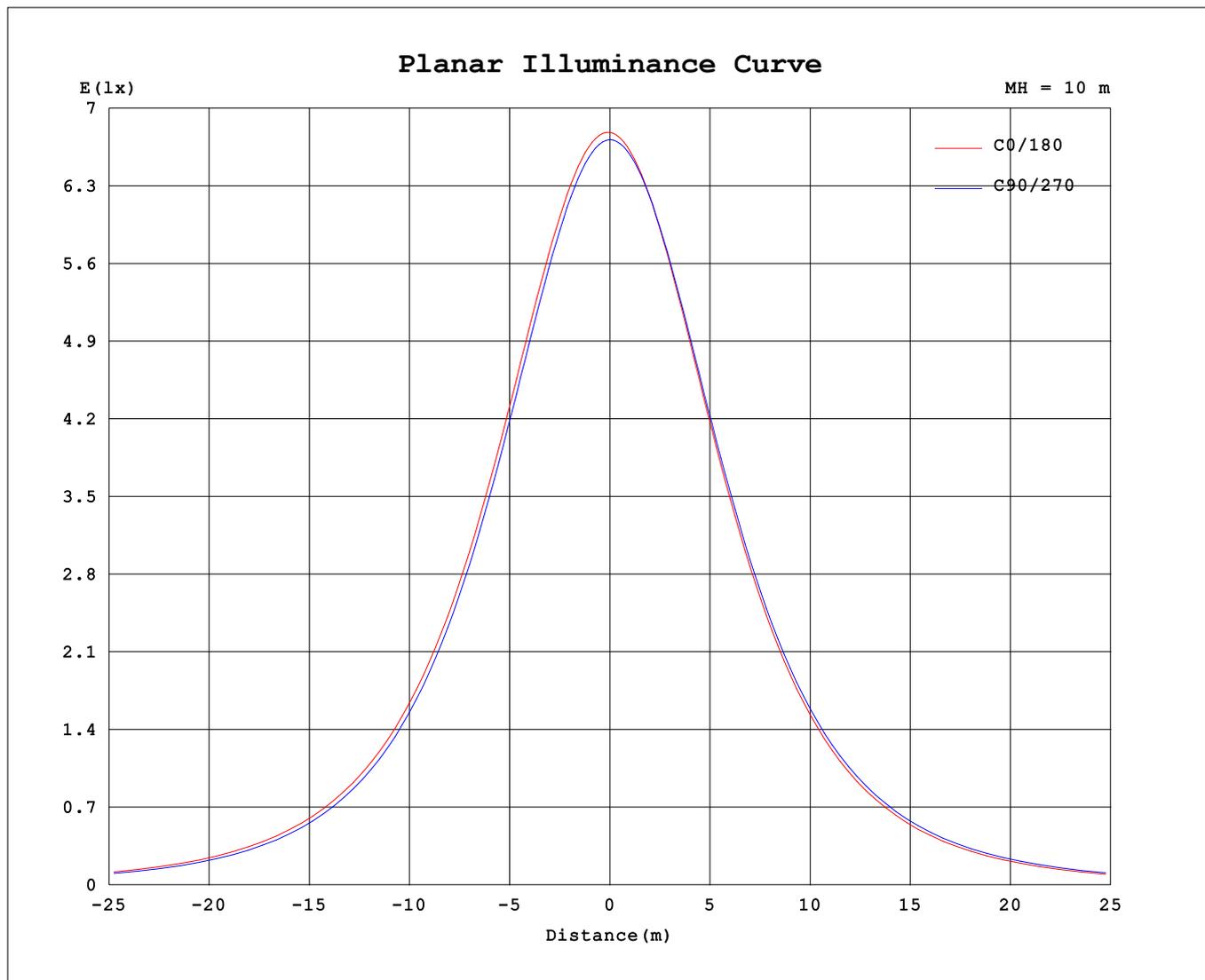
AvgL	cd/m2
L_0~180 (65) av	5558
L_0~180 (75) av	4880
L_0~180 (85) av	3507
L_90~270 (65) av	5568
L_90~270 (75) av	4889
L_90~270 (85) av	3360
L_45 (65) av	5538
L_45 (75) av	4845
L_45 (85) av	3322

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:119.96V I:0.2176A P:25.518W PF:0.9774 Freq:59.98Hz Lamp Flux:1925.91x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2700K
MFR.:	SUR.: 0.36	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	675	675	675	675															
5	674	671	670	672															
10	667	661	659	664															
15	653	646	641	649															
20	634	624	618	629															
25	609	597	590	603															
30	579	565	557	572															
35	544	528	519	536															
40	505	487	478	496															
45	462	443	432	452															
50	415	394	383	405															
55	365	344	332	354															
60	312	290	277	300															
65	257	234	222	246															
70	202	178	166	190															
75	146	123	112	135															
80	92.9	71.8	61.5	82.4															
85	44.5	26.1	17.8	33.6															
90	4.67	0.06	0.08	0.09															
95	0.05	0.12	0.17	0.08															
100	0.13	0.23	0.30	0.18															
105	0.23	0.33	0.41	0.31															
110	0.34	0.46	0.54	0.43															
115	0.46	0.58	0.67	0.57															
120	0.57	0.70	0.79	0.69															
125	0.67	0.80	0.92	0.82															
130	0.78	0.91	1.03	0.94															
135	0.87	1.00	1.15	1.05															
140	0.96	1.08	1.25	1.17															
145	1.06	1.17	1.35	1.25															
150	1.16	1.25	1.44	1.35															
155	1.24	1.34	1.52	1.44															
160	1.34	1.42	1.61	1.52															
165	1.42	1.50	1.68	1.59															
170	1.51	1.57	1.72	1.66															
175	1.60	1.65	1.72	1.69															
180	1.70	1.72	1.73	1.71															

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: