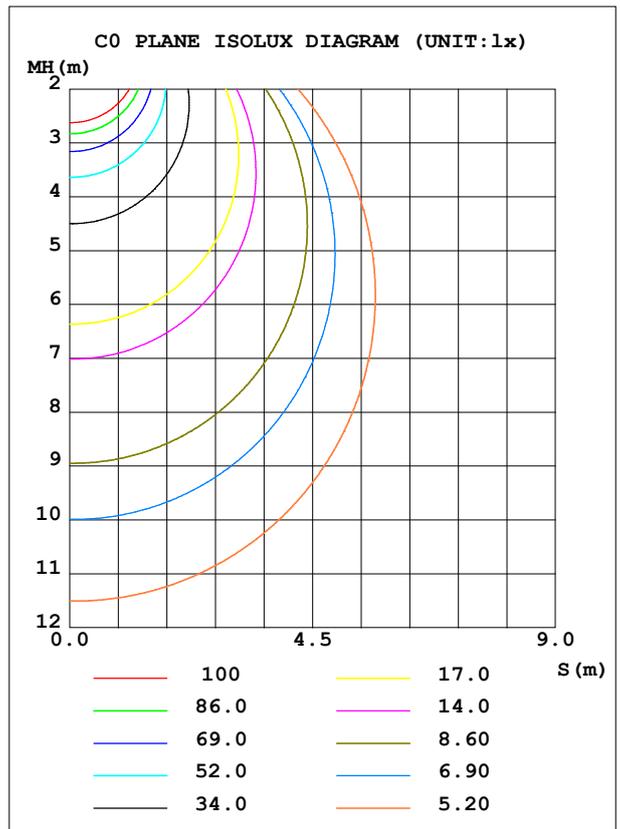
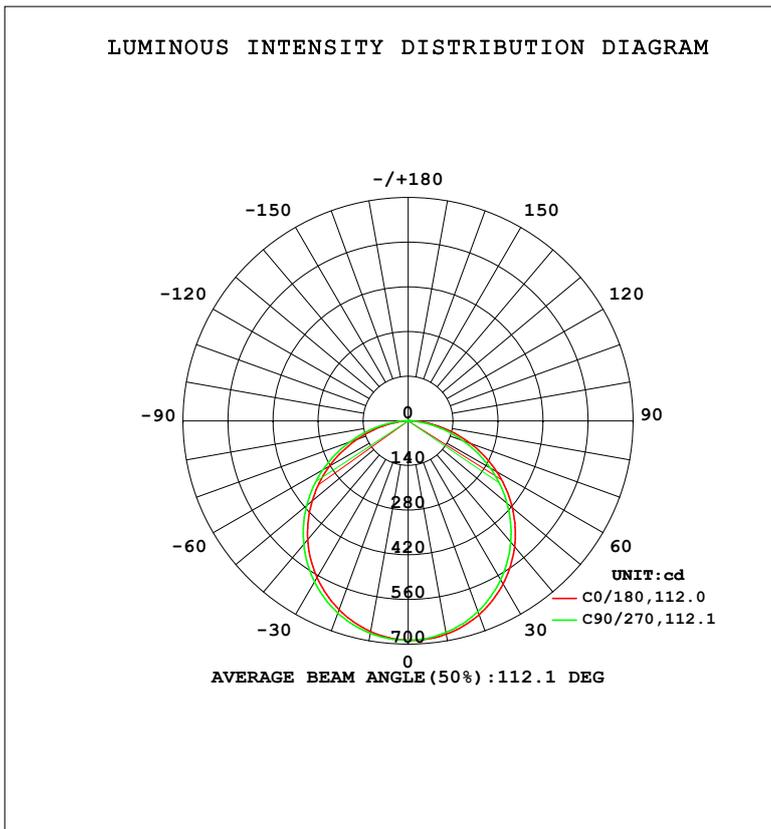


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.36	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	EGRF1625LAJUDBK_3000K	Imax (cd)	687.8	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)	1961.7	η UP, DN (C0-180)	0.1,50.7
NOMINAL FLUX (lm)	1961.72	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:

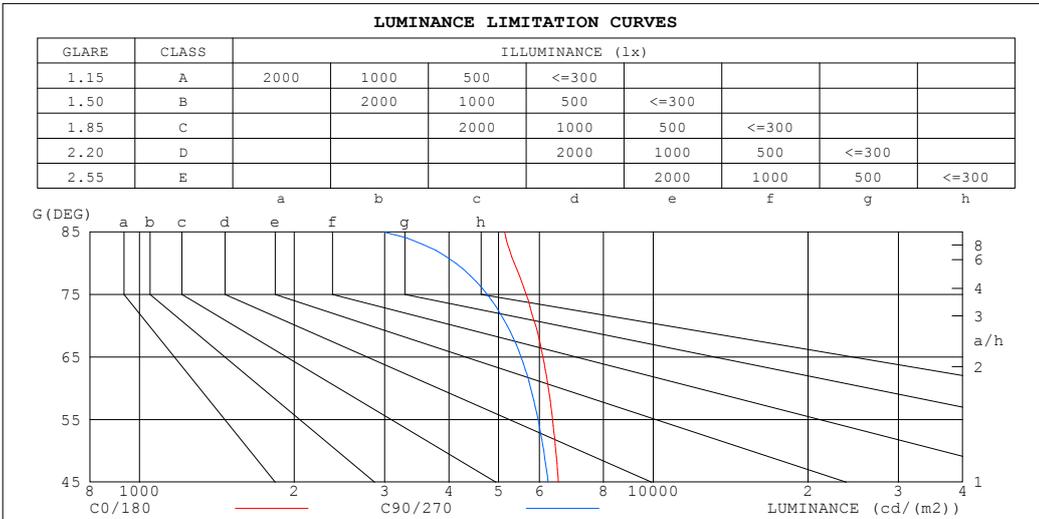
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	679.1	673.7	670.6	676.1					0- 10	65.02	65.02	3.31,3.31
20	646.2	635.6	629.8	640.7					10- 20	186.1	251.1	12.8,12.8
30	590.4	575.5	567.1	582.8					20- 30	281.6	532.7	27.2,27.2
40	515.0	496.4	486.2	505.5					30- 40	339.0	871.7	44.4,44.4
50	423.2	401.7	390.1	412.3					40- 50	351.3	1223	62.3,62.3
60	318.3	294.9	282.2	306.3					50- 60	317.0	1540	78.5,78.5
70	205.7	181.4	168.6	193.5					60- 70	241.6	1782	90.8,90.8
80	94.88	73.11	62.40	82.51					70- 80	139.0	1921	97.9,97.9
90	4.834	0.0609	0.0774	0.1069					80- 90	36.48	1957	99.8,99.8
100	0.1267	0.2270	0.2982	0.1934					90-100	0.2017	1957	99.8,99.8
110	0.3474	0.4759	0.5521	0.4533					100-110	0.3483	1958	99.8,99.8
120	0.5737	0.7083	0.8060	0.7078					110-120	0.5729	1958	99.8,99.8
130	0.7889	0.9240	1.054	0.9623					120-130	0.7310	1959	99.9,99.9
140	0.9820	1.107	1.269	1.184					130-140	0.8005	1960	99.9,99.9
150	1.175	1.283	1.468	1.383					140-150	0.7711	1960	99.9,99.9
160	1.374	1.449	1.634	1.554					150-160	0.6511	1961	100,100
170	1.550	1.588	1.728	1.693					160-170	0.4442	1962	100,100
180	1.733	1.743	1.738	1.743					170-180	0.1597	1962	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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.36	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5138	2983
80	5363	4123
75	5656	4750
70	5903	5194
65	6099	5532
60	6250	5774
55	6369	5970
50	6463	6120
45	6537	6241

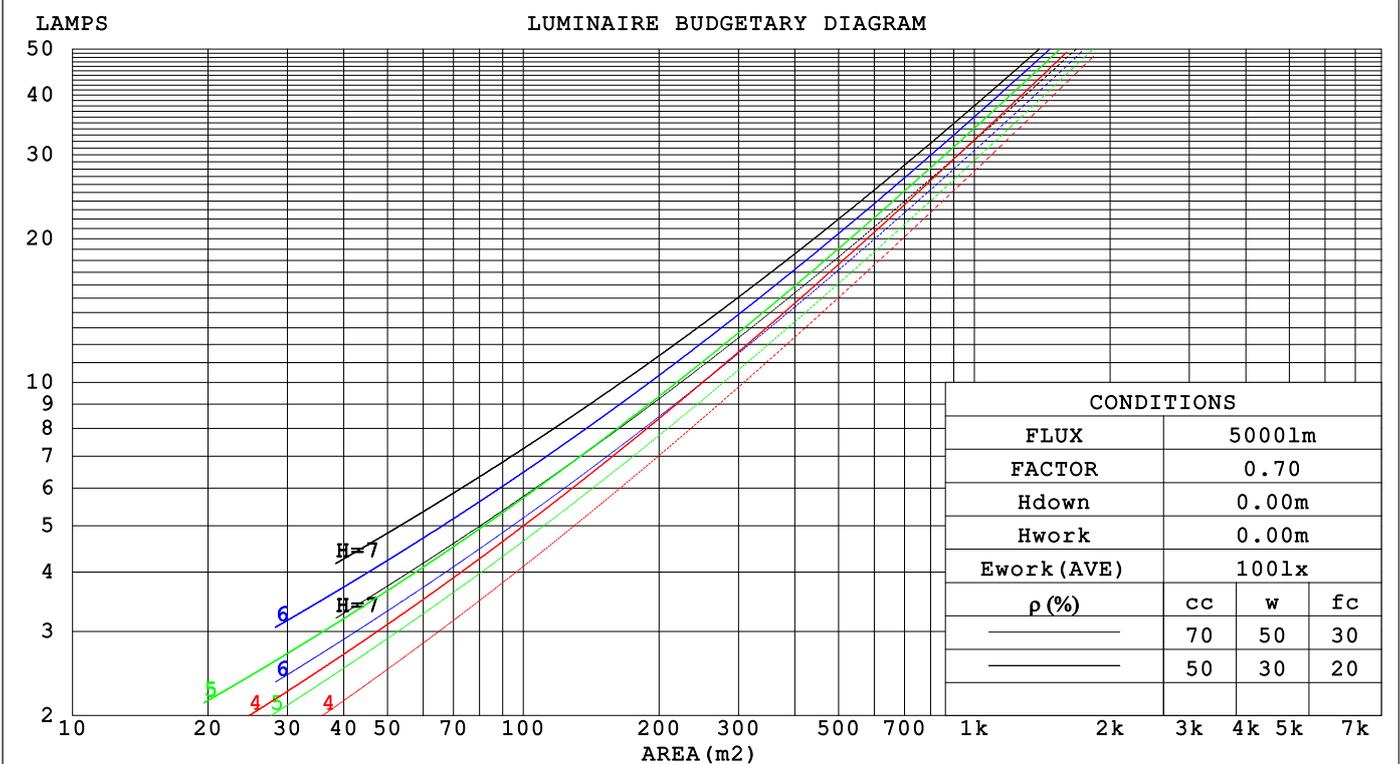
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-07

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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
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	.86	.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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz		
Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
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	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.147	.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	.226	.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	.027	.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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz										
Lamp Flux:1961.72x1 lm										
NAME:			TYPE:				WEIGHT:			
SPEC.:			DIM.:				SERIAL No.: 3000K			
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	19.4	20.9	19.7	21.1	21.3	19.1	20.6	19.4	20.8	21.0
3H	21.0	22.4	21.3	22.6	22.9	20.6	22.0	20.9	22.2	22.5
4H	21.7	23.0	22.0	23.3	23.5	21.2	22.5	21.5	22.8	23.0
6H	22.2	23.5	22.5	23.7	24.0	21.6	22.8	21.9	23.1	23.4
8H	22.4	23.6	22.7	23.9	24.2	21.7	22.9	22.0	23.2	23.5
12H	22.5	23.7	22.9	24.0	24.3	21.7	22.9	22.1	23.2	23.5
4H 2H	20.0	21.3	20.3	21.6	21.8	19.8	21.1	20.1	21.4	21.6
3H	21.8	22.9	22.1	23.2	23.6	21.4	22.6	21.8	22.9	23.2
4H	22.6	23.7	23.0	24.0	24.3	22.1	23.2	22.5	23.5	23.9
6H	23.2	24.2	23.6	24.5	24.9	22.7	23.6	23.1	24.0	24.3
8H	23.5	24.4	23.9	24.7	25.1	22.8	23.7	23.2	24.1	24.5
12H	23.7	24.5	24.1	24.9	25.3	22.9	23.7	23.3	24.1	24.5
8H 4H	22.8	23.7	23.3	24.1	24.5	22.4	23.3	22.9	23.7	24.1
6H	23.6	24.4	24.1	24.8	25.2	23.1	23.9	23.6	24.3	24.7
8H	24.0	24.6	24.5	25.1	25.5	23.4	24.0	23.8	24.4	24.9
12H	24.3	24.8	24.8	25.3	25.8	23.5	24.1	24.0	24.5	25.0
12H 4H	22.8	23.7	23.3	24.0	24.5	22.5	23.3	22.9	23.7	24.1
6H	23.7	24.4	24.2	24.8	25.2	23.2	23.8	23.7	24.3	24.7
8H	24.1	24.6	24.6	25.1	25.6	23.5	24.0	24.0	24.5	25.0
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, 1962 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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.36	Shielding Angle:

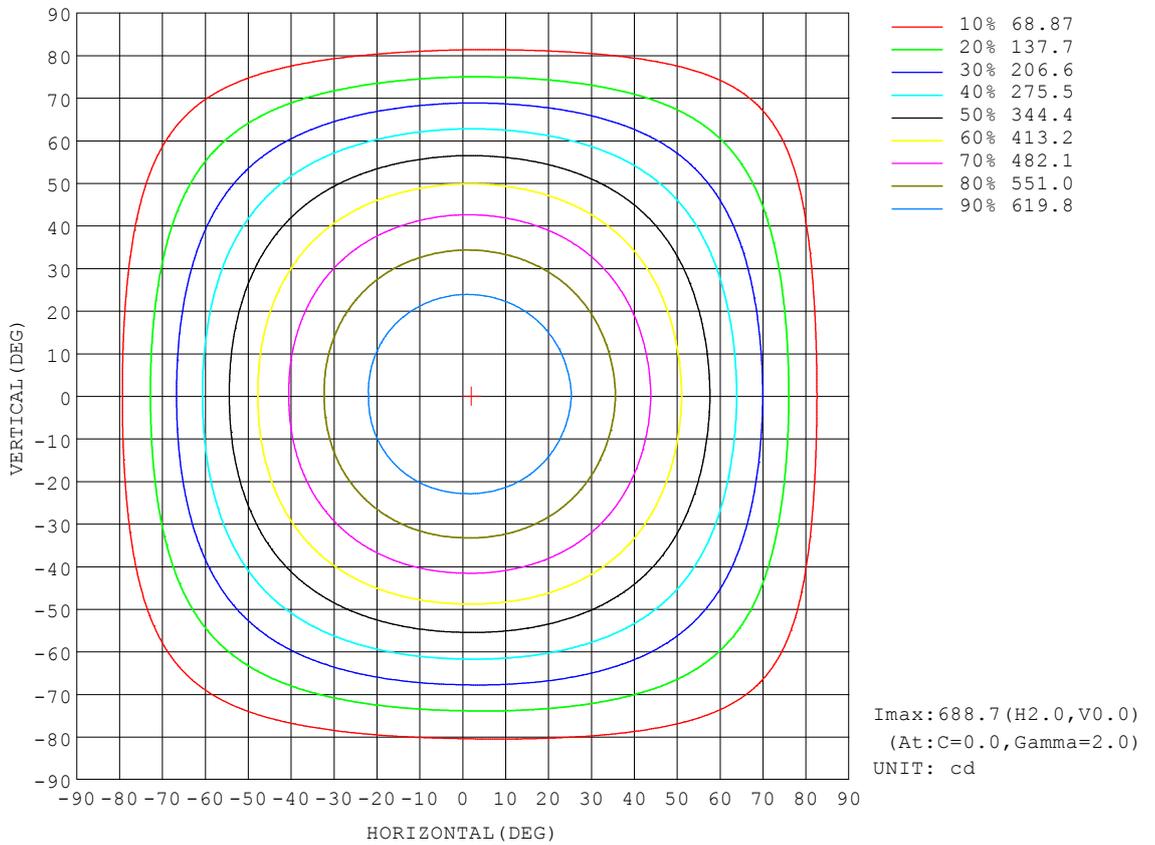
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.36	Shielding Angle:

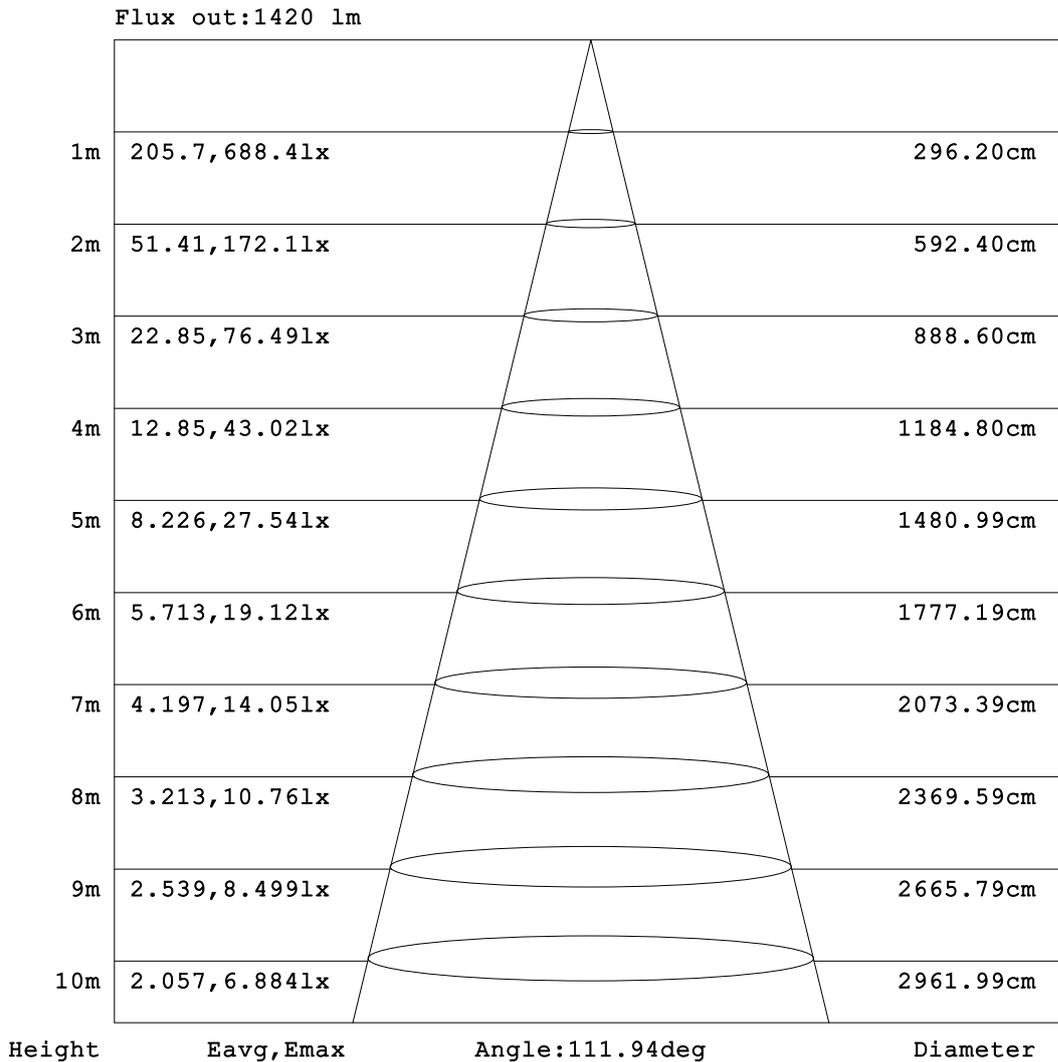


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-07

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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.36	Shielding Angle:



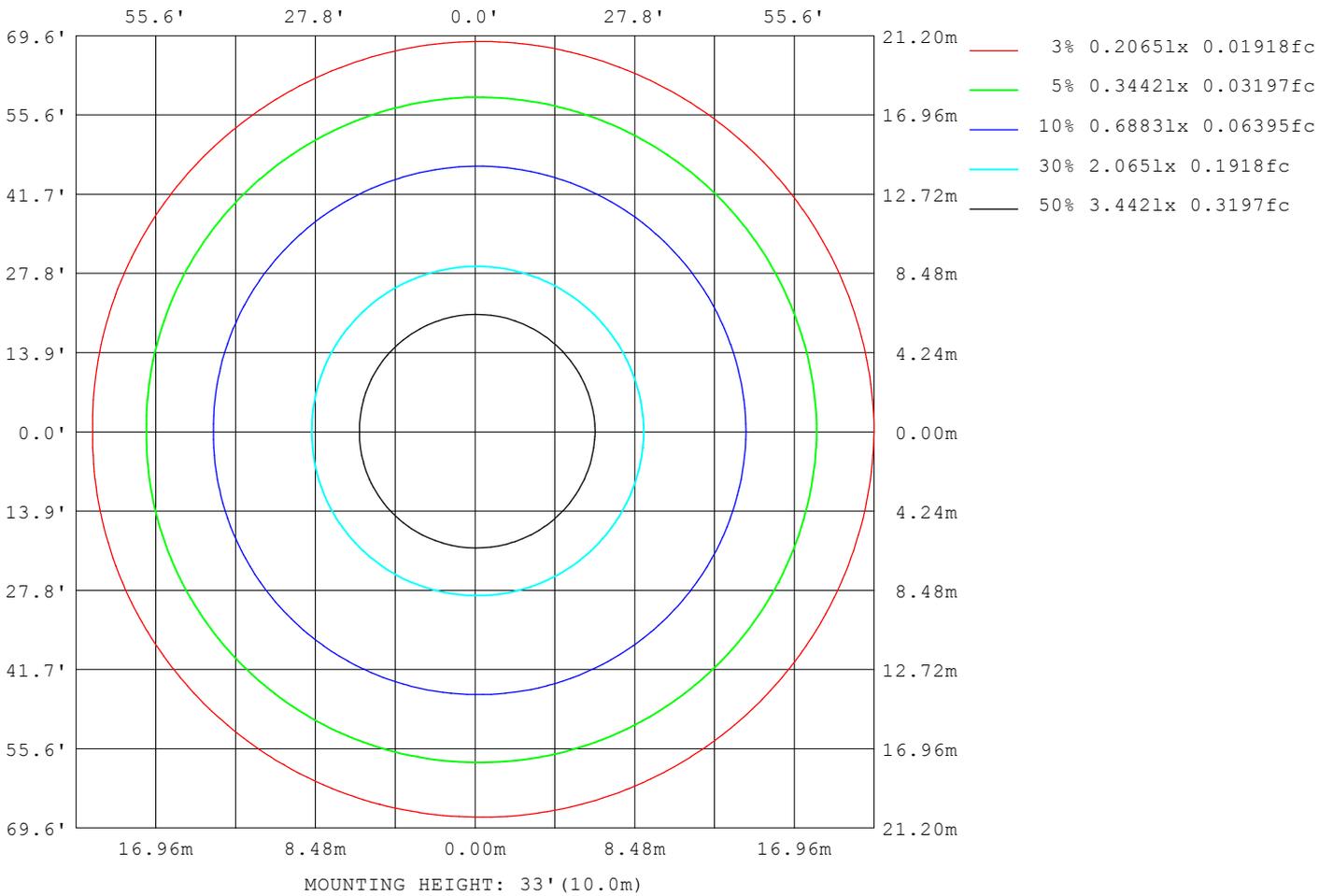
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.36	Shielding Angle:

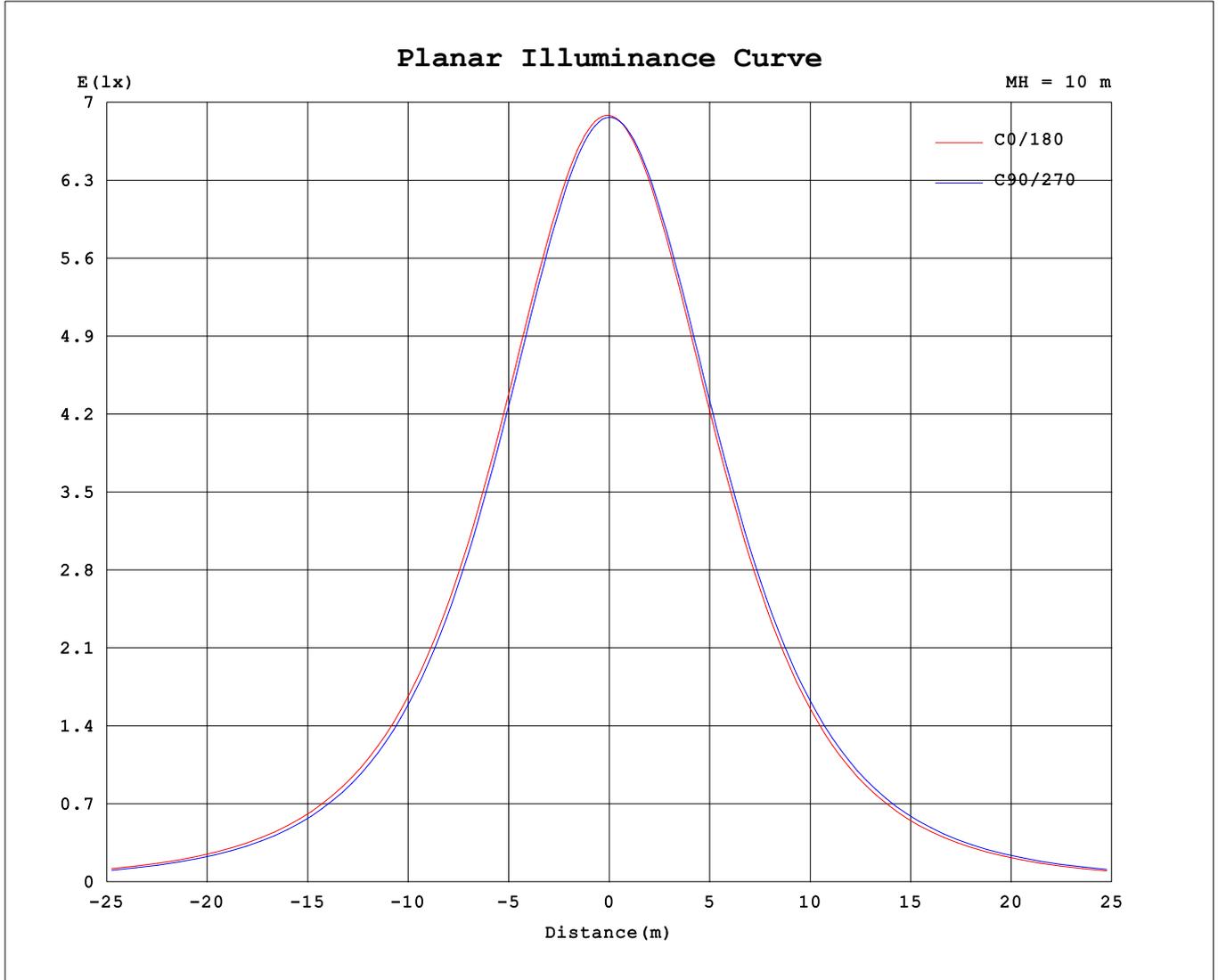
AvgL	cd/m2
L_0~180 (65) av	5663
L_0~180 (75) av	4971
L_0~180 (85) av	3582
L_90~270 (65) av	5673
L_90~270 (75) av	4981
L_90~270 (85) av	3330
L_45 (65) av	5643
L_45 (75) av	4935
L_45 (85) av	3328

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:119.95V I:0.2143A P:25.129W PF:0.9775 Freq:59.98Hz Lamp Flux:1961.72x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3000K
MFR.:	SUR.: 0.36	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	687	687	687	687															
5	686	684	682	685															
10	679	674	671	676															
15	666	657	653	661															
20	646	636	630	641															
25	621	608	601	614															
30	590	576	567	583															
35	555	538	529	546															
40	515	496	486	505															
45	471	451	440	461															
50	423	402	390	412															
55	372	350	337	360															
60	318	295	282	306															
65	263	239	226	250															
70	206	181	169	193															
75	149	126	113	137															
80	94.9	73.1	62.4	82.5															
85	45.6	26.6	18.1	32.7															
90	4.83	0.06	0.08	0.11															
95	0.05	0.13	0.18	0.08															
100	0.13	0.23	0.30	0.19															
105	0.23	0.35	0.41	0.32															
110	0.35	0.48	0.55	0.45															
115	0.47	0.59	0.68	0.58															
120	0.57	0.71	0.81	0.71															
125	0.68	0.82	0.93	0.84															
130	0.79	0.92	1.05	0.96															
135	0.89	1.02	1.16	1.08															
140	0.98	1.11	1.27	1.18															
145	1.08	1.19	1.37	1.29															
150	1.18	1.28	1.47	1.38															
155	1.27	1.36	1.56	1.46															
160	1.37	1.45	1.63	1.55															
165	1.46	1.52	1.71	1.63															
170	1.55	1.59	1.73	1.69															
175	1.63	1.67	1.74	1.74															
180	1.73	1.74	1.74	1.74															

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