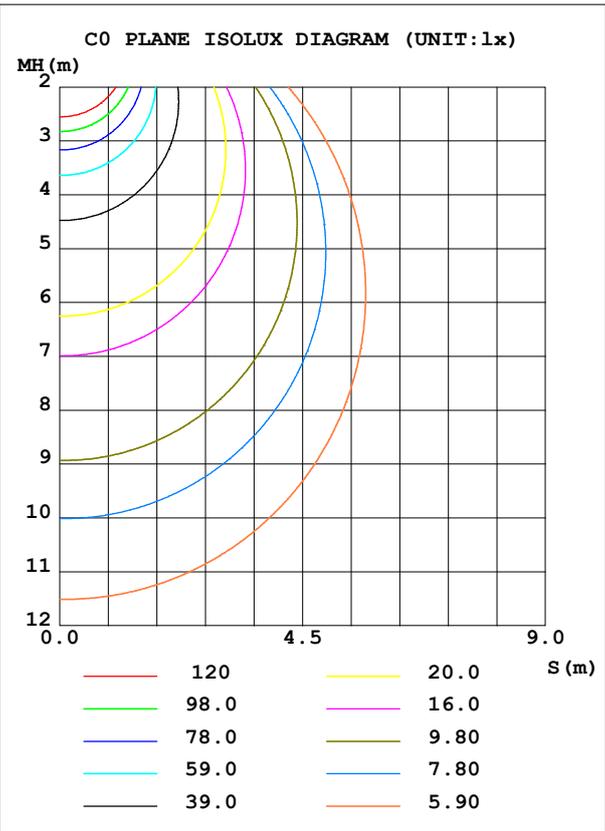
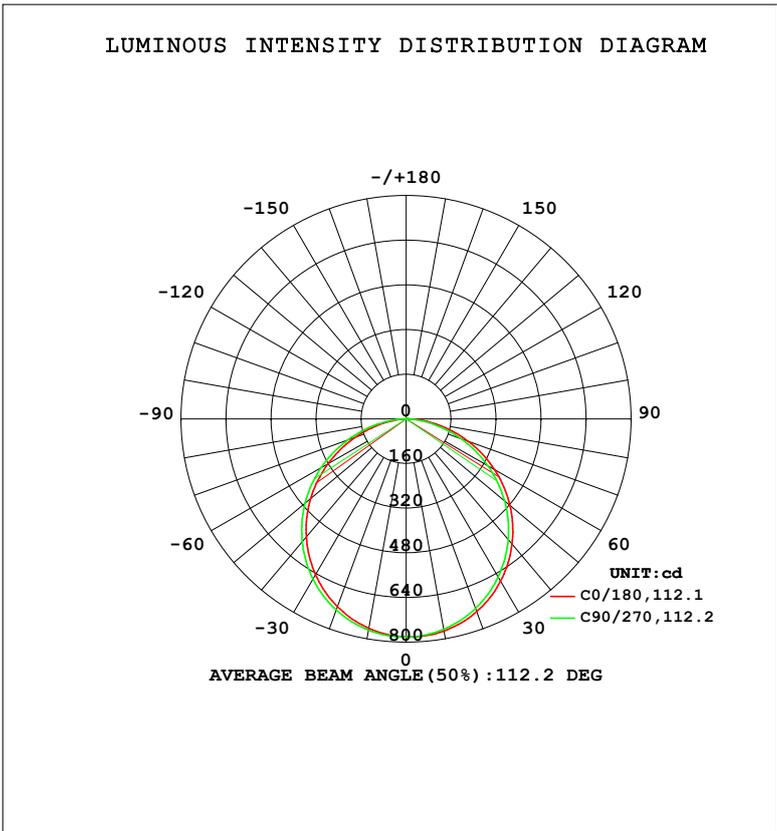


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.96V I:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.36	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	EGRF1625LAJUDBK_5000K	Imax (cd)	781.5	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)	2231.0	η UP, DN (C0-180)	0.1,50.7
NOMINAL FLUX (lm)	2230.99	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1,49.0
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:

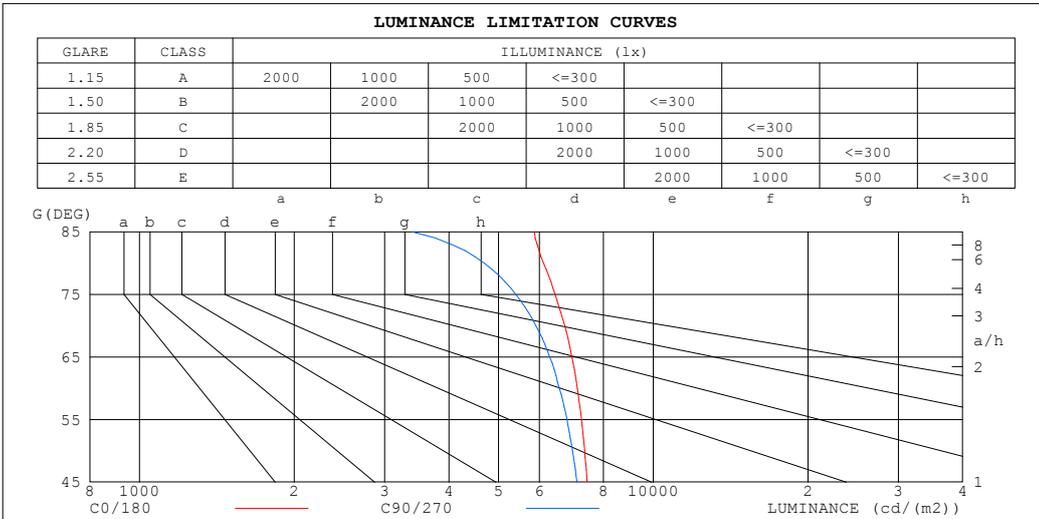
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	771.8	765.6	761.9	768.4					0- 10	73.88	73.88	3.31,3.31
20	734.5	722.2	715.7	728.2					10- 20	211.5	285.3	12.8,12.8
30	671.5	654.4	644.6	662.5					20- 30	320.1	605.5	27.1,27.1
40	585.9	564.2	552.4	574.9					30- 40	385.5	991.0	44.4,44.4
50	481.6	456.8	443.3	469.1					40- 50	399.5	1390	62.3,62.3
60	362.6	335.0	320.8	348.7					50- 60	360.6	1751	78.5,78.5
70	234.3	206.3	191.5	220.2					60- 70	274.9	2026	90.8,90.8
80	108.3	83.10	70.71	93.92					70- 80	158.1	2184	97.9,97.9
90	5.556	0.0775	0.1052	0.1339					80- 90	41.51	2226	99.8,99.8
100	0.1599	0.2767	0.3482	0.2374					90-100	0.2448	2226	99.8,99.8
110	0.4139	0.5476	0.6353	0.5249					100-110	0.4137	2226	99.8,99.8
120	0.6789	0.8184	0.9390	0.8235					110-120	0.6678	2227	99.8,99.8
130	0.9220	1.062	1.215	1.111					120-130	0.8480	2228	99.9,99.9
140	1.137	1.266	1.464	1.376					130-140	0.9230	2229	99.9,99.9
150	1.352	1.454	1.673	1.587					140-150	0.8857	2230	99.9,99.9
160	1.568	1.648	1.855	1.775					150-160	0.7464	2230	100,100
170	1.756	1.819	1.994	1.929					160-170	0.5080	2231	100,100
180	1.977	1.979	1.999	1.990					170-180	0.1824	2231	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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.36	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5873	3395
80	6117	4689
75	6440	5402
70	6721	5910
65	6944	6289
60	7115	6564
55	7250	6791
50	7350	6962
45	7433	7101

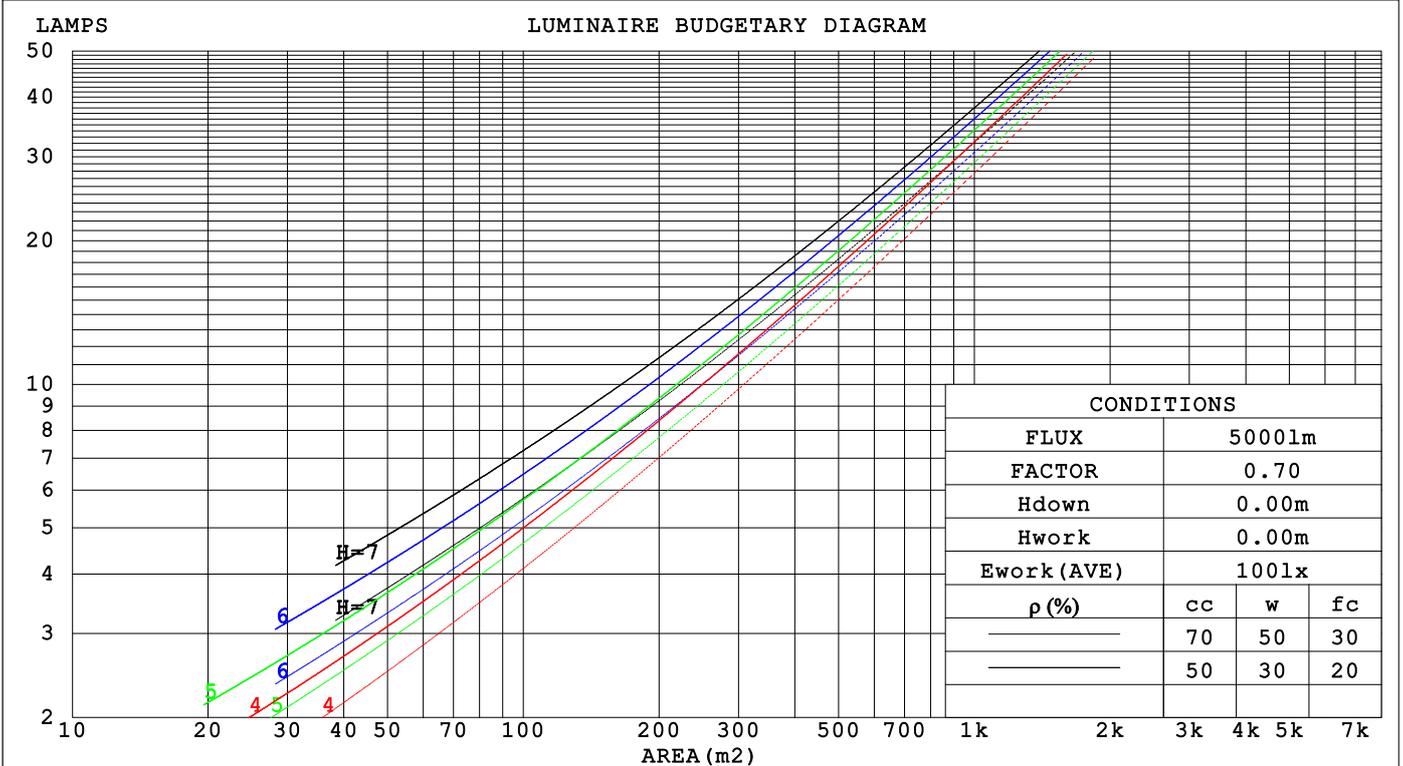
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-07

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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
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	.26
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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz								
Lamp Flux:2230.99x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.: 5000K		
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	.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	.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	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.036	.086	.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	.044	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.108	.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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
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	19.8	21.4	20.1	21.6	21.8	19.6	21.1	19.8	21.3	21.5
3H	21.5	22.9	21.8	23.1	23.3	21.0	22.4	21.3	22.7	22.9
4H	22.1	23.5	22.5	23.7	24.0	21.6	23.0	21.9	23.2	23.5
6H	22.7	23.9	23.0	24.2	24.5	22.0	23.3	22.3	23.5	23.8
8H	22.8	24.1	23.2	24.4	24.6	22.1	23.3	22.5	23.6	23.9
12H	23.0	24.2	23.3	24.4	24.8	22.2	23.3	22.5	23.6	23.9
4H 2H	20.4	21.8	20.7	22.0	22.3	20.2	21.5	20.5	21.8	22.1
3H	22.2	23.4	22.6	23.7	24.0	21.9	23.1	22.2	23.4	23.7
4H	23.0	24.1	23.4	24.4	24.8	22.6	23.7	23.0	24.0	24.3
6H	23.7	24.6	24.1	25.0	25.4	23.1	24.1	23.5	24.4	24.8
8H	23.9	24.8	24.4	25.2	25.6	23.3	24.2	23.7	24.5	24.9
12H	24.1	24.9	24.6	25.3	25.7	23.4	24.2	23.8	24.6	25.0
8H 4H	23.3	24.2	23.7	24.5	24.9	22.9	23.8	23.3	24.2	24.5
6H	24.1	24.8	24.6	25.3	25.7	23.6	24.3	24.0	24.7	25.1
8H	24.4	25.1	24.9	25.5	26.0	23.8	24.5	24.3	24.9	25.3
12H	24.7	25.3	25.2	25.7	26.2	24.0	24.5	24.4	25.0	25.5
12H 4H	23.3	24.1	23.7	24.5	24.9	22.9	23.7	23.3	24.1	24.5
6H	24.2	24.8	24.6	25.2	25.7	23.6	24.3	24.1	24.7	25.2
8H	24.5	25.1	25.0	25.6	26.0	23.9	24.5	24.4	24.9	25.4

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, 2231 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.8)
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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.36	Shielding Angle:

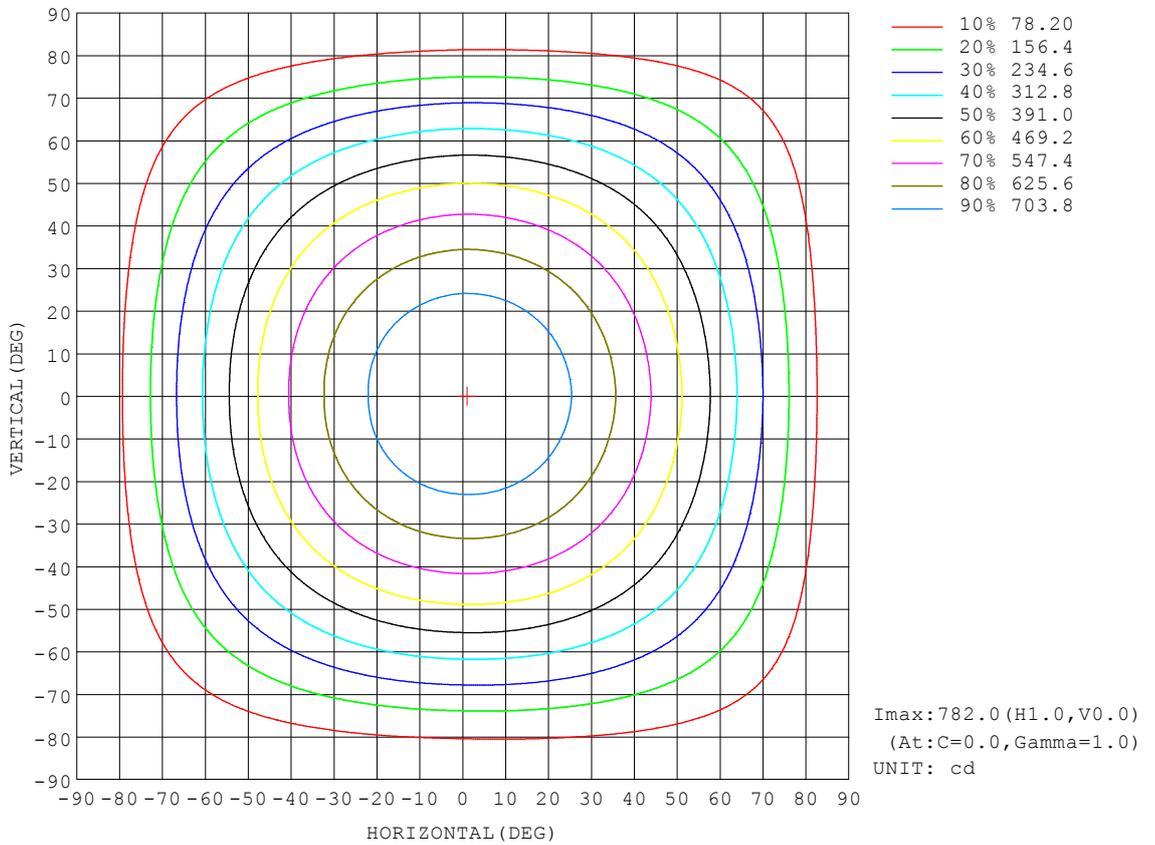
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.36	Shielding Angle:

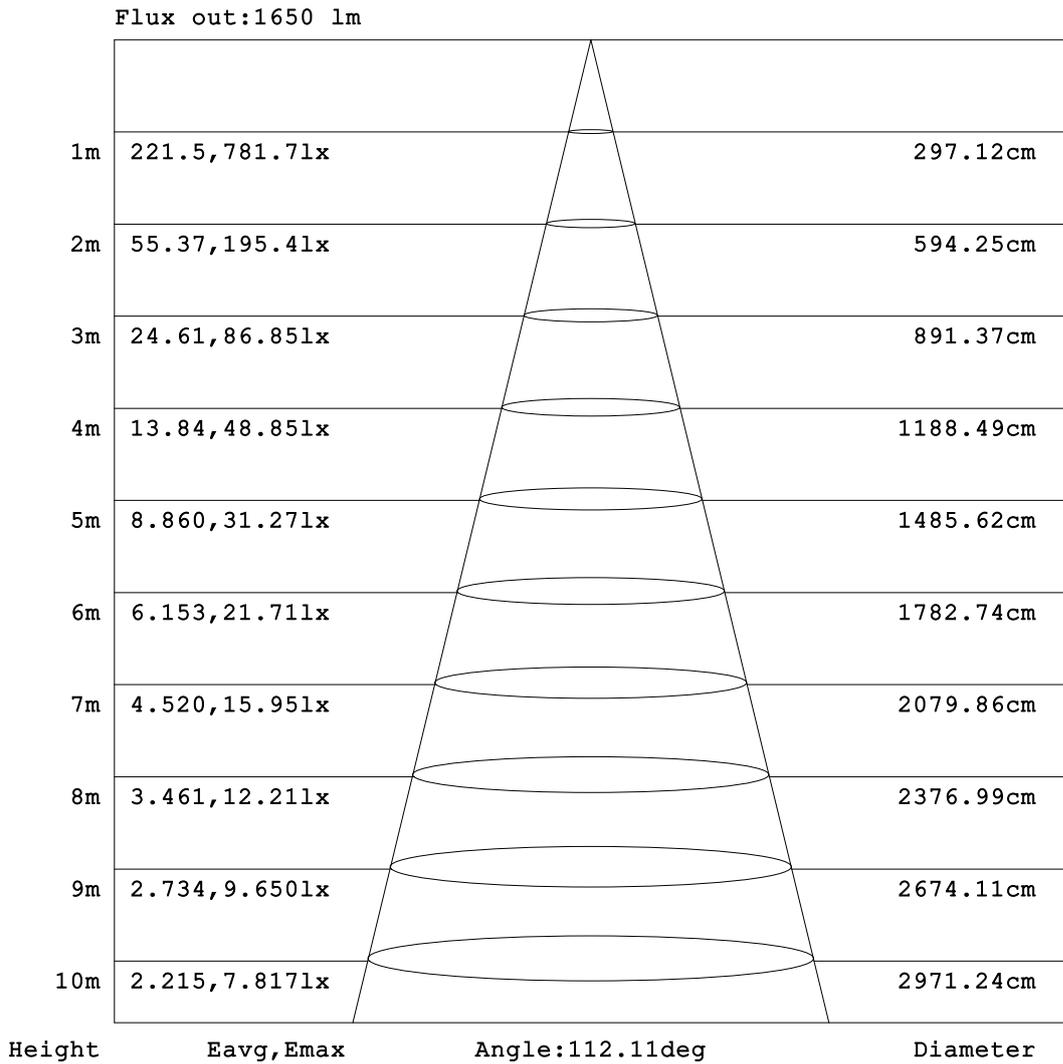


C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-07

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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.36	Shielding Angle:



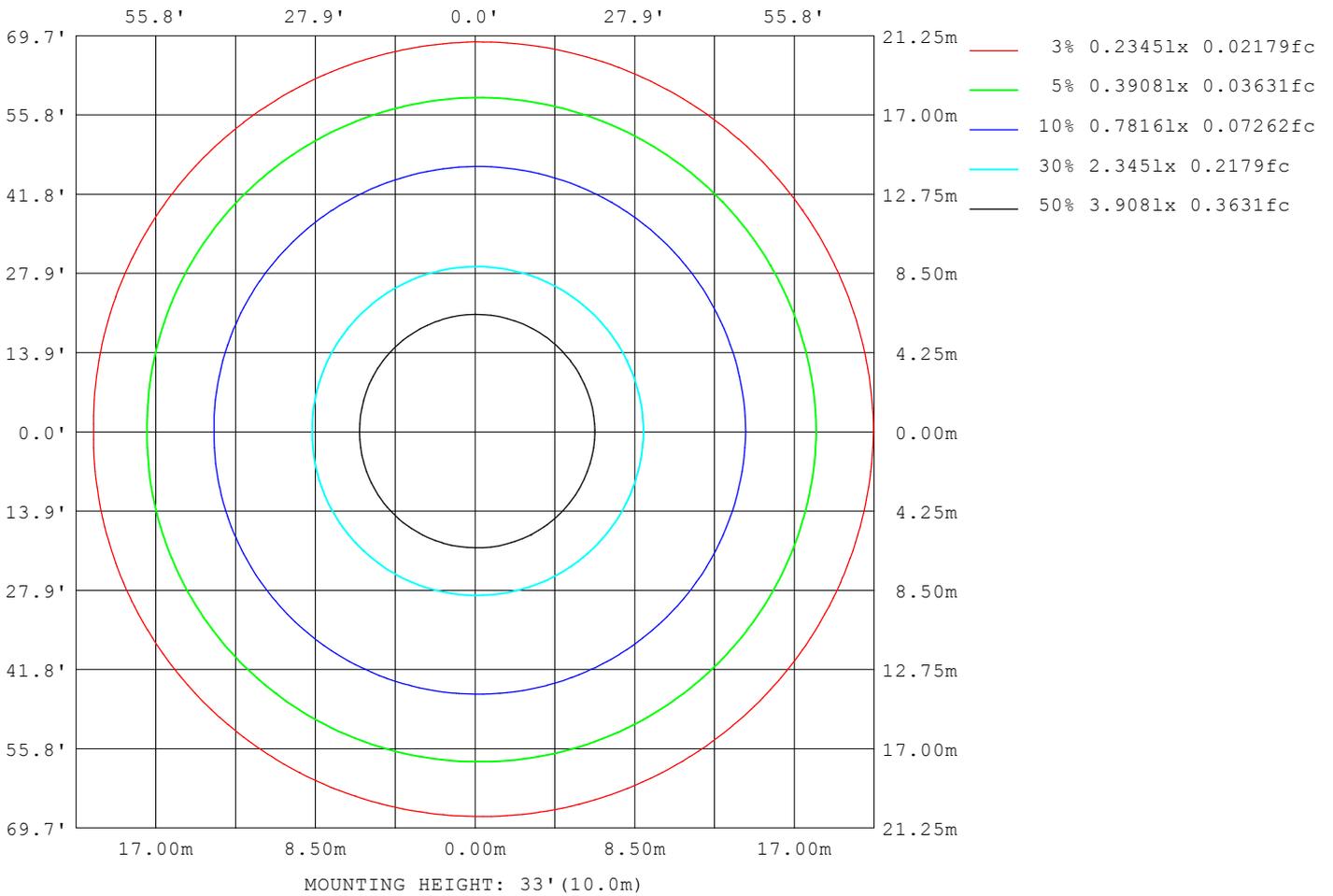
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.36	Shielding Angle:

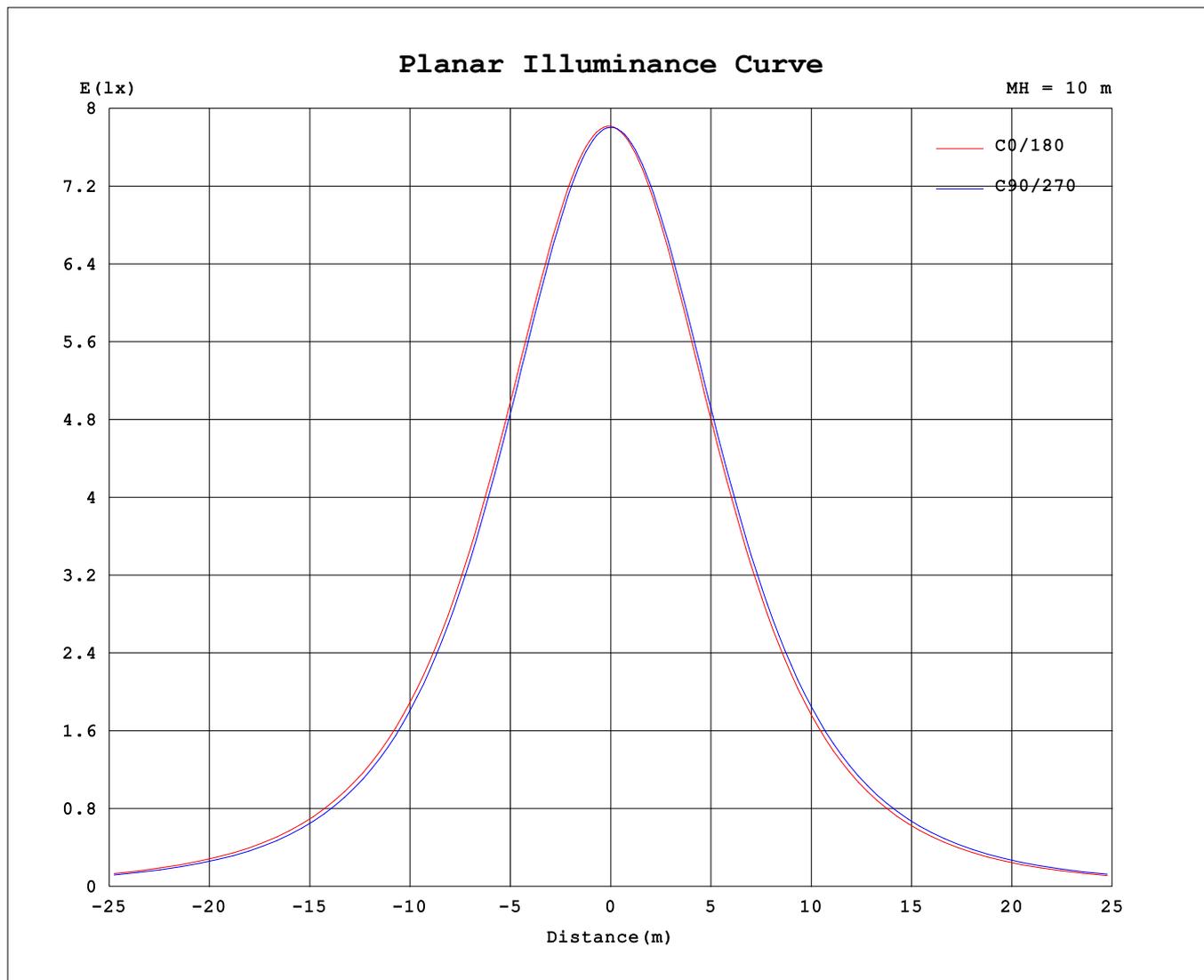
AvgL	cd/m2
L_0~180 (65) av	6443
L_0~180 (75) av	5654
L_0~180 (85) av	4078
L_90~270 (65) av	6453
L_90~270 (75) av	5663
L_90~270 (85) av	3795
L_45 (65) av	6418
L_45 (75) av	5611
L_45 (85) av	3789

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:0.2147A P:25.153W PF:0.9768 Freq:59.98Hz Lamp Flux:2230.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 5000K
MFR.:	SUR.: 0.36	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	781	781	781	781															
5	780	777	775	778															
10	772	766	762	768															
15	757	747	742	752															
20	734	722	716	728															
25	706	691	683	698															
30	672	654	645	663															
35	631	612	601	621															
40	586	564	552	575															
45	536	512	500	524															
50	482	457	443	469															
55	424	398	383	410															
60	363	335	321	349															
65	299	271	256	285															
70	234	206	191	220															
75	170	143	129	156															
80	108	83.1	70.7	93.9															
85	52.2	30.2	20.3	37.3															
90	5.56	0.08	0.11	0.13															
95	0.07	0.16	0.22	0.11															
100	0.16	0.28	0.35	0.24															
105	0.29	0.41	0.49	0.38															
110	0.41	0.55	0.64	0.52															
115	0.55	0.69	0.78	0.68															
120	0.68	0.82	0.94	0.82															
125	0.81	0.94	1.08	0.97															
130	0.92	1.06	1.22	1.11															
135	1.03	1.17	1.34	1.25															
140	1.14	1.27	1.46	1.38															
145	1.24	1.36	1.58	1.49															
150	1.35	1.45	1.67	1.59															
155	1.46	1.55	1.78	1.70															
160	1.57	1.65	1.86	1.77															
165	1.67	1.74	1.94	1.86															
170	1.76	1.82	1.99	1.93															
175	1.87	1.89	2.00	1.98															
180	1.98	1.98	2.00	1.99															

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