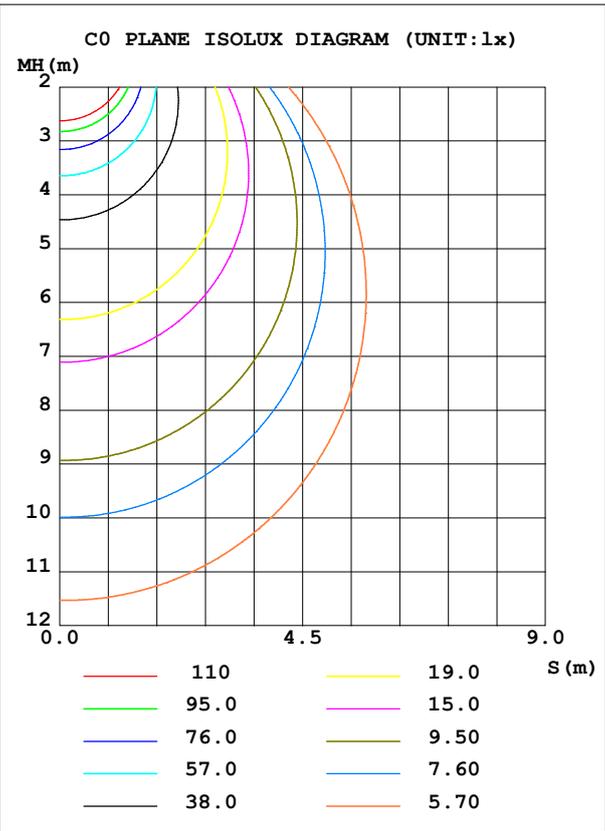
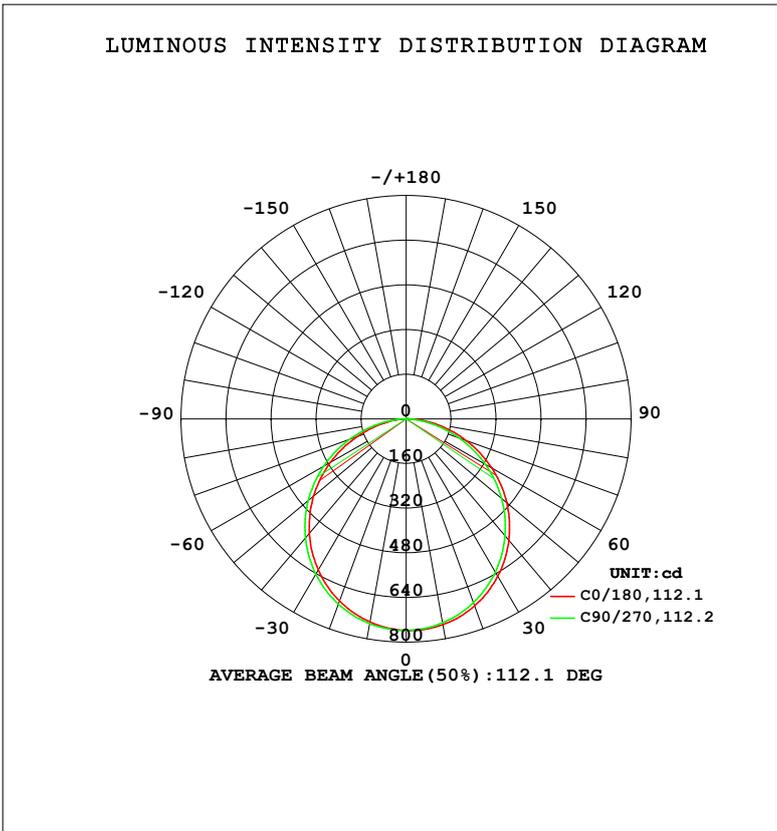


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.96V I:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.36	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	EGRF1625LAJUDBK_4000K	Imax (cd)	758.0	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)	2163.0	η UP, DN (C0-180)	0.1,50.7
NOMINAL FLUX (lm)	2162.99	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:

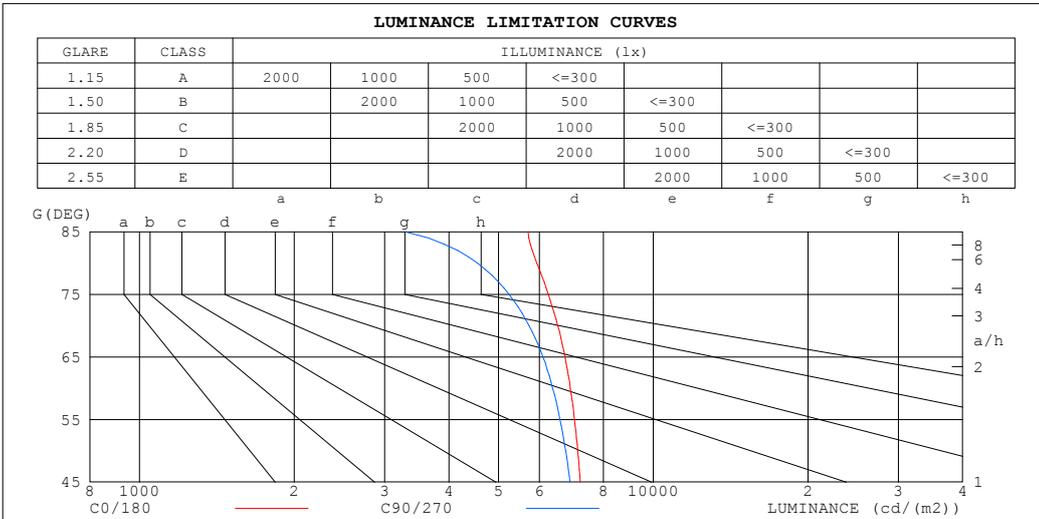
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	748.7	742.3	738.9	745.2					0- 10	71.65	71.65	3.31,3.31
20	712.5	700.3	694.0	706.2					10- 20	205.1	276.7	12.8,12.8
30	651.4	634.3	624.9	642.5					20- 30	310.4	587.1	27.1,27.1
40	568.1	546.9	535.5	557.3					30- 40	373.8	960.9	44.4,44.4
50	467.2	442.7	429.8	454.9					40- 50	387.3	1348	62.3,62.3
60	351.6	325.0	310.7	337.9					50- 60	349.6	1698	78.5,78.5
70	227.3	200.0	185.4	213.6					60- 70	266.5	1964	90.8,90.8
80	105.0	80.60	68.30	91.14					70- 80	153.3	2118	97.9,97.9
90	5.484	0.0665	0.0887	0.1327					80- 90	40.26	2158	99.8,99.8
100	0.1489	0.2709	0.3426	0.2208					90-100	0.2351	2158	99.8,99.8
110	0.3919	0.5307	0.6189	0.5027					100-110	0.3965	2158	99.8,99.8
120	0.6569	0.7905	0.9061	0.8010					110-120	0.6418	2159	99.8,99.8
130	0.8834	1.017	1.166	1.072					120-130	0.8164	2160	99.9,99.9
140	1.099	1.216	1.414	1.321					130-140	0.8907	2161	99.9,99.9
150	1.303	1.415	1.619	1.536					140-150	0.8554	2162	99.9,99.9
160	1.519	1.586	1.801	1.730					150-160	0.7218	2162	100,100
170	1.712	1.763	1.920	1.879					160-170	0.4910	2163	100,100
180	1.917	1.912	1.933	1.918					170-180	0.1766	2163	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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.36	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5703	3295
80	5929	4549
75	6247	5239
70	6517	5731
65	6732	6099
60	6896	6370
55	7028	6585
50	7128	6750
45	7208	6886

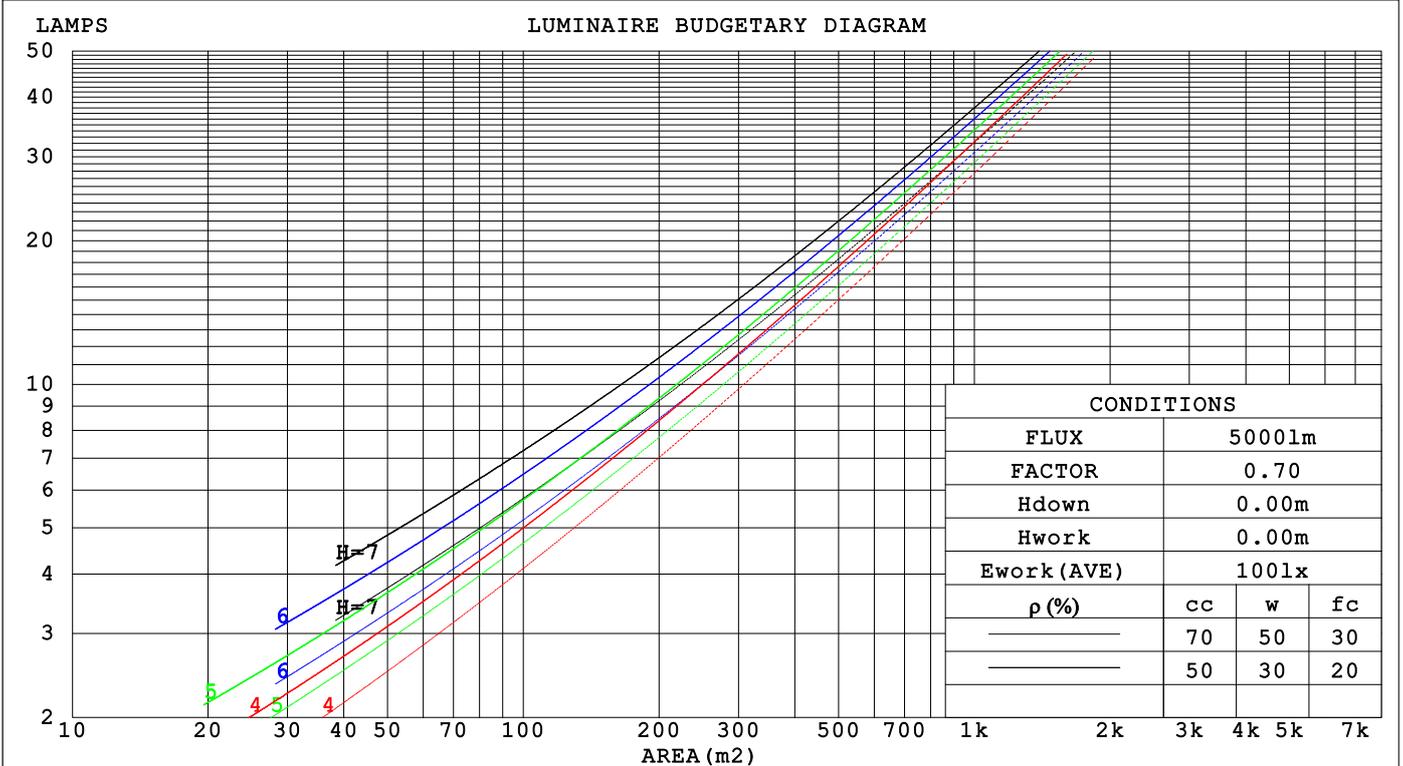
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-07

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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz		
Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
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	.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	.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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
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	19.7	21.2	20.0	21.5	21.7	19.5	21.0	19.7	21.2	21.4
3H	21.4	22.8	21.7	23.0	23.2	20.9	22.3	21.2	22.6	22.8
4H	22.0	23.4	22.3	23.6	23.9	21.5	22.8	21.8	23.1	23.4
6H	22.6	23.8	22.9	24.1	24.4	21.9	23.2	22.2	23.4	23.7
8H	22.7	24.0	23.1	24.2	24.5	22.0	23.2	22.4	23.5	23.8
12H	22.9	24.0	23.2	24.3	24.7	22.1	23.2	22.4	23.5	23.8
4H 2H	20.3	21.7	20.6	21.9	22.2	20.1	21.4	20.4	21.7	22.0
3H	22.1	23.3	22.5	23.6	23.9	21.8	22.9	22.1	23.2	23.6
4H	22.9	24.0	23.3	24.3	24.7	22.5	23.6	22.9	23.9	24.2
6H	23.6	24.5	24.0	24.9	25.3	23.0	24.0	23.4	24.3	24.7
8H	23.8	24.7	24.3	25.1	25.5	23.2	24.0	23.6	24.4	24.8
12H	24.0	24.8	24.5	25.2	25.6	23.2	24.1	23.7	24.4	24.9
8H 4H	23.2	24.1	23.6	24.4	24.8	22.8	23.7	23.2	24.0	24.4
6H	24.0	24.7	24.4	25.1	25.6	23.5	24.2	23.9	24.6	25.0
8H	24.3	25.0	24.8	25.4	25.9	23.7	24.4	24.2	24.8	25.2
12H	24.6	25.2	25.1	25.6	26.1	23.9	24.4	24.3	24.9	25.4
12H 4H	23.2	24.0	23.6	24.4	24.8	22.8	23.6	23.2	24.0	24.4
6H	24.1	24.7	24.5	25.1	25.6	23.5	24.2	24.0	24.6	25.1
8H	24.4	25.0	24.9	25.4	25.9	23.8	24.4	24.3	24.8	25.3

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	+ 0.1 / - 0.3	+ 0.2 / - 0.3

CIE Pub.117, 2163 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.7)
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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.36	Shielding Angle:

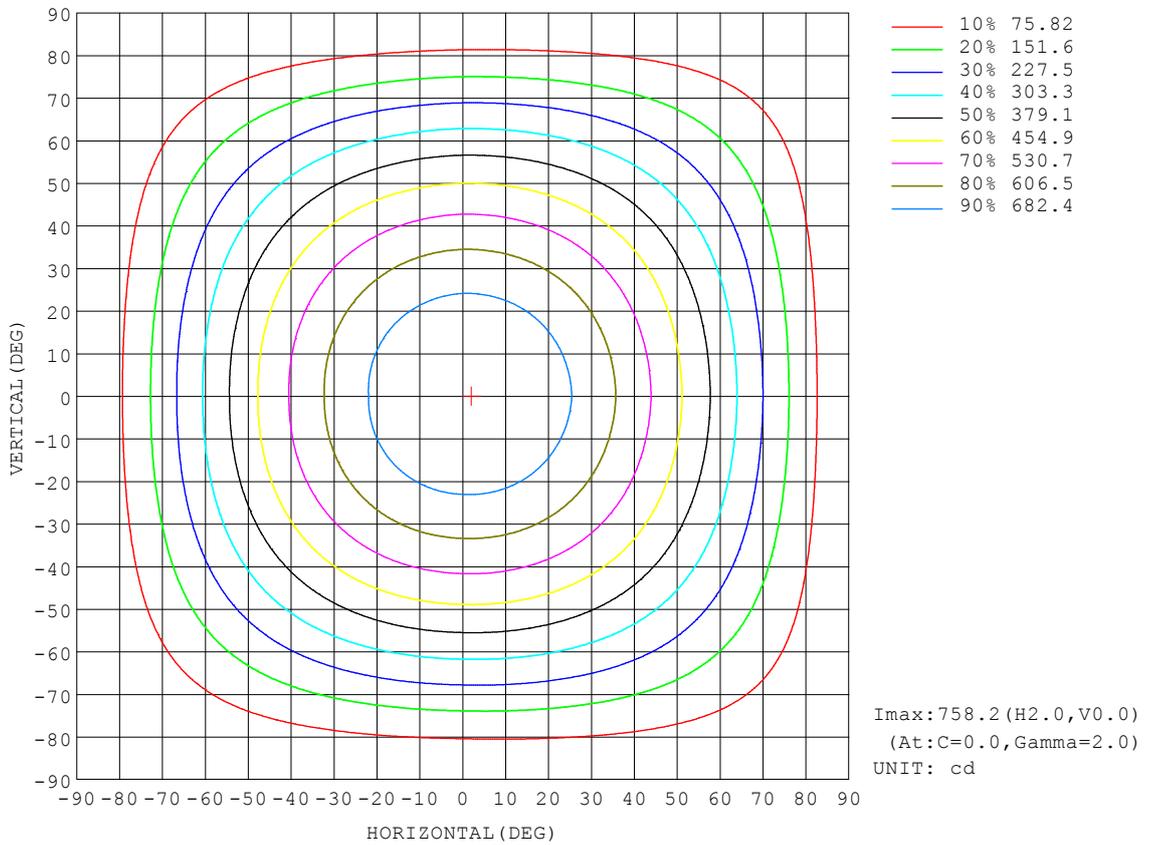
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	65	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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.36	Shielding Angle:

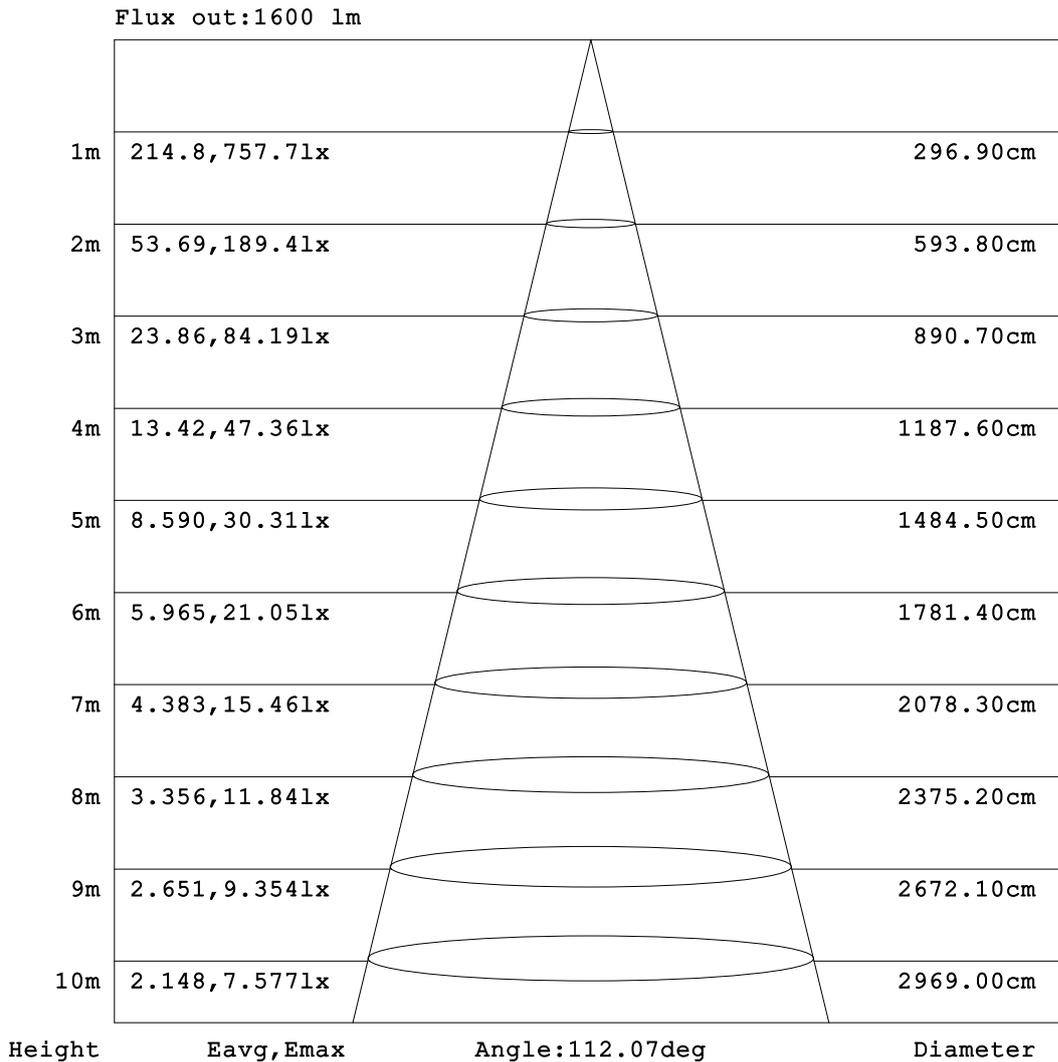


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-07

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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.36	Shielding Angle:



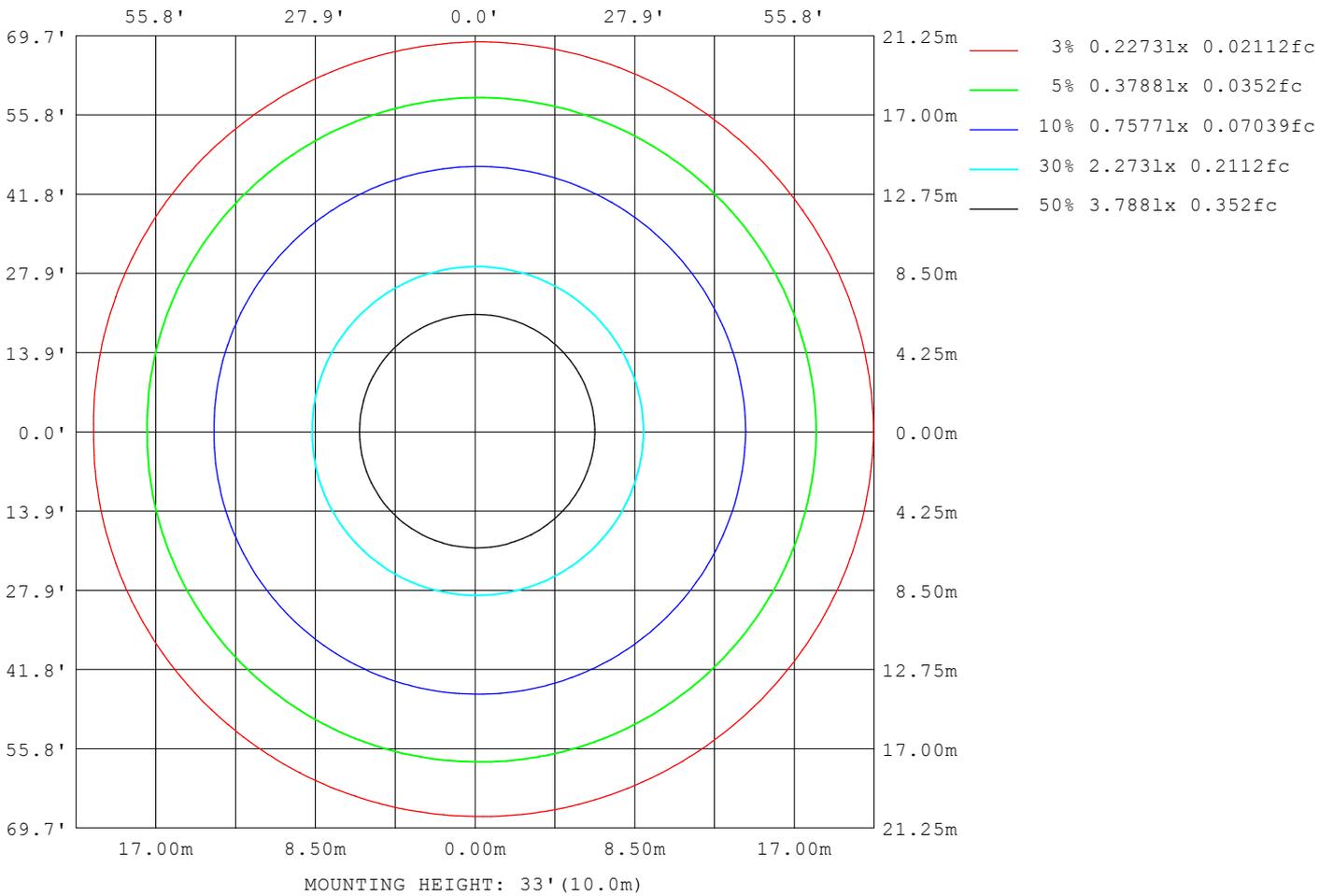
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.36	Shielding Angle:

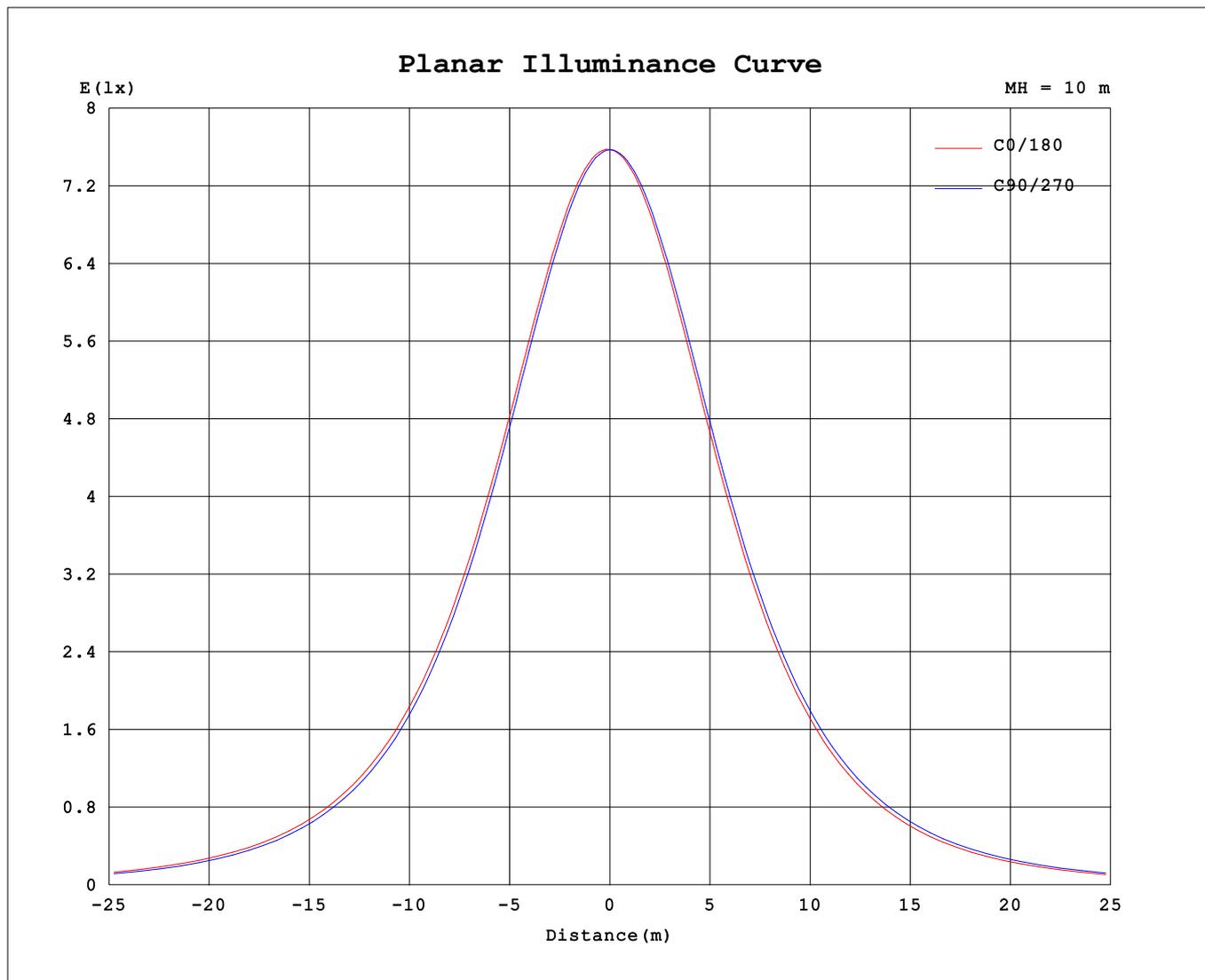
AvgL	cd/m2
L_0~180 (65) av	6246
L_0~180 (75) av	5481
L_0~180 (85) av	3955
L_90~270 (65) av	6255
L_90~270 (75) av	5493
L_90~270 (85) av	3683
L_45 (65) av	6221
L_45 (75) av	5441
L_45 (85) av	3676

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:0.2094A P:24.564W PF:0.9779 Freq:59.98Hz Lamp Flux:2162.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.36	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	757	757	757	757															
5	756	753	752	755															
10	749	742	739	745															
15	734	724	720	729															
20	712	700	694	706															
25	685	670	662	677															
30	651	634	625	642															
35	612	593	583	602															
40	568	547	535	557															
45	520	497	485	508															
50	467	443	430	455															
55	411	385	371	398															
60	352	325	311	338															
65	290	263	248	276															
70	227	200	185	214															
75	165	138	125	152															
80	105	80.6	68.3	91.1															
85	50.7	29.3	19.6	36.2															
90	5.48	0.07	0.09	0.13															
95	0.06	0.15	0.21	0.11															
100	0.15	0.27	0.34	0.22															
105	0.28	0.40	0.48	0.36															
110	0.39	0.53	0.62	0.50															
115	0.52	0.66	0.77	0.65															
120	0.66	0.79	0.91	0.80															
125	0.77	0.91	1.04	0.93															
130	0.88	1.02	1.17	1.07															
135	0.99	1.12	1.30	1.20															
140	1.10	1.22	1.41	1.32															
145	1.21	1.31	1.52	1.43															
150	1.30	1.41	1.62	1.54															
155	1.41	1.50	1.72	1.64															
160	1.52	1.59	1.80	1.73															
165	1.61	1.67	1.87	1.80															
170	1.71	1.76	1.92	1.88															
175	1.79	1.83	1.93	1.91															
180	1.92	1.91	1.93	1.92															

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