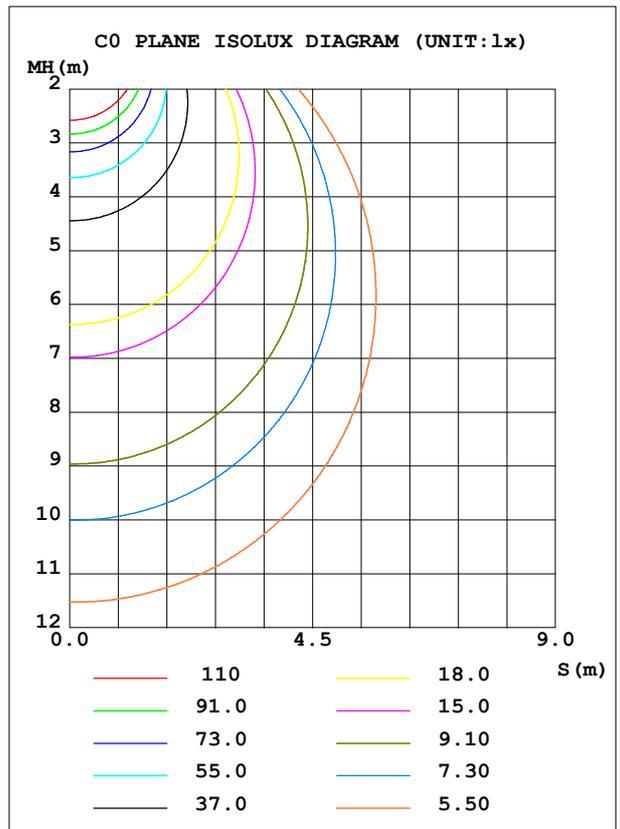
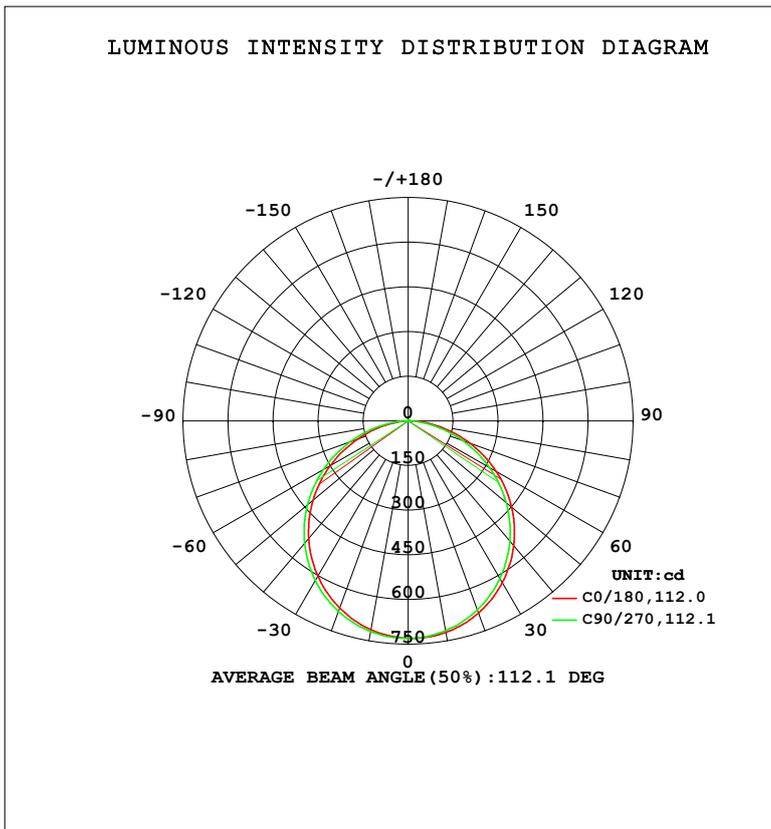


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	EGRF1625LAJUDBK_3500K	Imax (cd)	730.4	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)	2084.1	$\eta$ UP, DN (C0-180)	0.1,50.7
NOMINAL FLUX (lm)	2084.06	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.1,49.0
LAMPS INSIDE	1	$\eta$ up (%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	$\eta$ 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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:

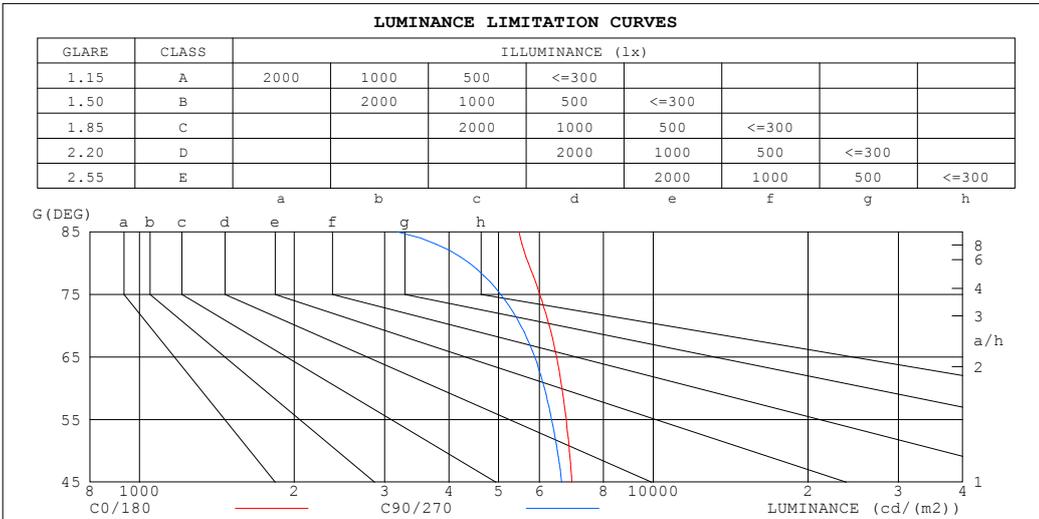
$\gamma$	C0	C90	C180	C270					$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	721.4	715.6	712.1	718.4					0- 10	69.06	69.06	3.31,3.31
20	686.5	675.1	668.6	680.7					10- 20	197.6	266.7	12.8,12.8
30	627.4	611.2	602.1	619.1					20- 30	299.1	565.8	27.1,27.1
40	547.3	527.2	516.1	536.9					30- 40	360.1	925.9	44.4,44.4
50	449.9	426.6	413.9	438.2					40- 50	373.2	1299	62.3,62.3
60	338.6	313.2	299.4	325.6					50- 60	336.8	1636	78.5,78.5
70	218.7	192.7	178.7	205.7					60- 70	256.7	1893	90.8,90.8
80	101.1	77.74	65.95	87.64					70- 80	147.7	2040	97.9,97.9
90	5.279	0.0555	0.0941	0.1208					80- 90	38.78	2079	99.8,99.8
100	0.1488	0.2489	0.3206	0.2098					90-100	0.2236	2079	99.8,99.8
110	0.3807	0.4977	0.5857	0.4807					100-110	0.3767	2080	99.8,99.8
120	0.6237	0.7575	0.8672	0.7626					110-120	0.6133	2080	99.8,99.8
130	0.8501	0.9787	1.116	1.028					120-130	0.7820	2081	99.9,99.9
140	1.060	1.172	1.348	1.266					130-140	0.8544	2082	99.9,99.9
150	1.253	1.365	1.552	1.470					140-150	0.8221	2083	99.9,99.9
160	1.458	1.537	1.729	1.653					150-160	0.6937	2083	100,100
170	1.645	1.692	1.861	1.791					160-170	0.4731	2084	100,100
180	1.844	1.841	1.872	1.852					170-180	0.1703	2084	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5483	3178
80	5711	4387
75	6014	5051
70	6273	5521
65	6483	5877
60	6643	6137
55	6771	6343
50	6866	6503
45	6943	6634

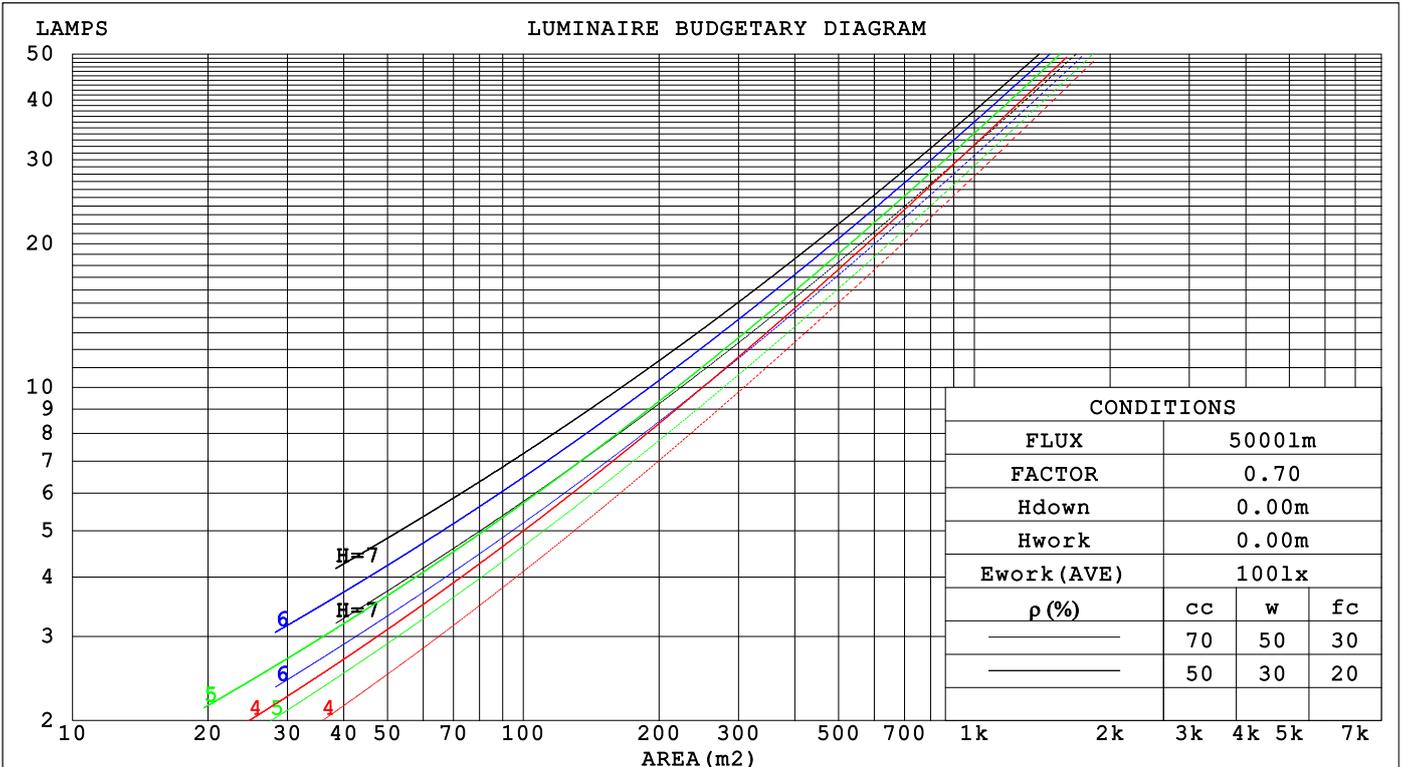
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-07-07

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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz								
Lamp Flux:2084.06x1 lm								
NAME:			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.: 3500K		
MFR.:			SUR.: 0.36			Shielding Angle:		

ρ <sub>CC</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	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 <sub>CC</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	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	.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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz										
Lamp Flux:2084.06x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.: 3500K				
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	19.6	21.1	19.9	21.3	21.5	19.3	20.8	19.6	21.0	21.3
3H	21.2	22.6	21.5	22.9	23.1	20.8	22.2	21.1	22.4	22.7
4H	21.9	23.2	22.2	23.5	23.8	21.4	22.7	21.7	23.0	23.2
6H	22.4	23.7	22.8	24.0	24.2	21.8	23.0	22.1	23.3	23.6
8H	22.6	23.8	23.0	24.1	24.4	21.9	23.1	22.2	23.4	23.7
12H	22.7	23.9	23.1	24.2	24.5	21.9	23.1	22.3	23.4	23.7
4H 2H	20.2	21.5	20.5	21.8	22.0	20.0	21.3	20.3	21.6	21.8
3H	22.0	23.2	22.3	23.5	23.8	21.6	22.8	22.0	23.1	23.4
4H	22.8	23.9	23.2	24.2	24.5	22.4	23.4	22.7	23.7	24.1
6H	23.5	24.4	23.9	24.8	25.1	22.9	23.8	23.3	24.2	24.5
8H	23.7	24.6	24.1	25.0	25.4	23.0	23.9	23.4	24.3	24.7
12H	23.9	24.7	24.3	25.1	25.5	23.1	23.9	23.5	24.3	24.7
8H 4H	23.1	23.9	23.5	24.3	24.7	22.7	23.5	23.1	23.9	24.3
6H	23.9	24.6	24.3	25.0	25.4	23.3	24.1	23.8	24.5	24.9
8H	24.2	24.9	24.7	25.3	25.7	23.6	24.2	24.0	24.7	25.1
12H	24.5	25.1	25.0	25.5	26.0	23.7	24.3	24.2	24.7	25.2
12H 4H	23.1	23.9	23.5	24.3	24.7	22.7	23.5	23.1	23.9	24.3
6H	23.9	24.6	24.4	25.0	25.5	23.4	24.1	23.9	24.5	24.9
8H	24.3	24.9	24.8	25.3	25.8	23.7	24.3	24.2	24.7	25.2
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, 2084 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.6)  
 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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:

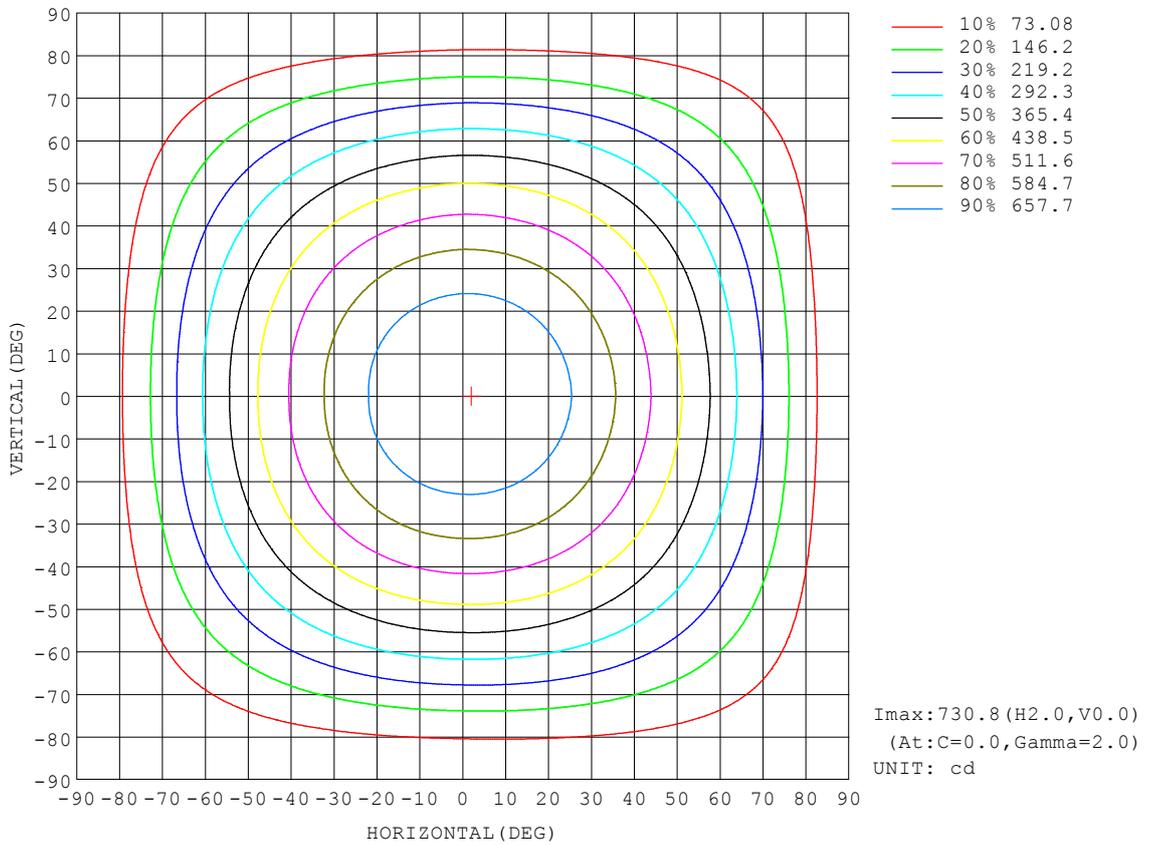
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:

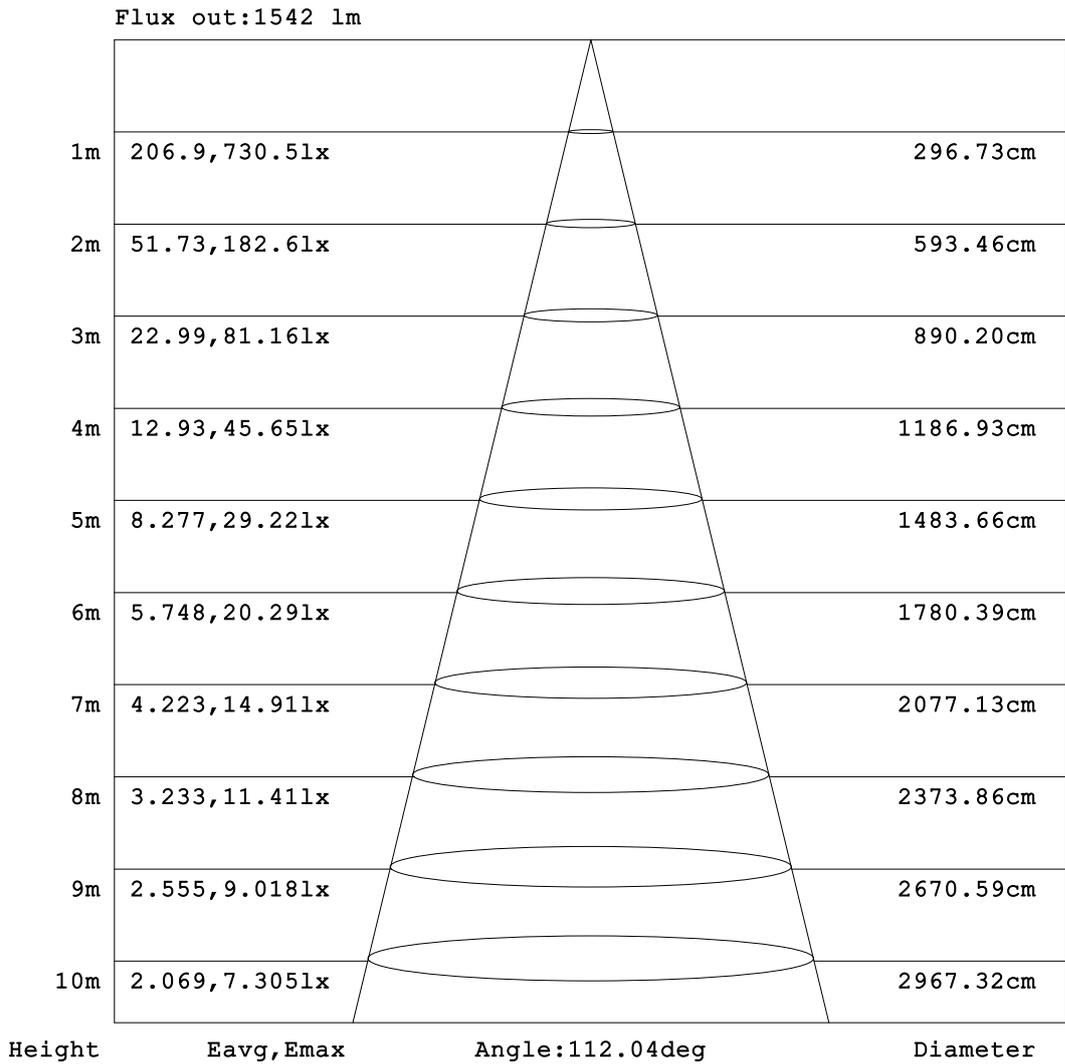


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-07-07

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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:



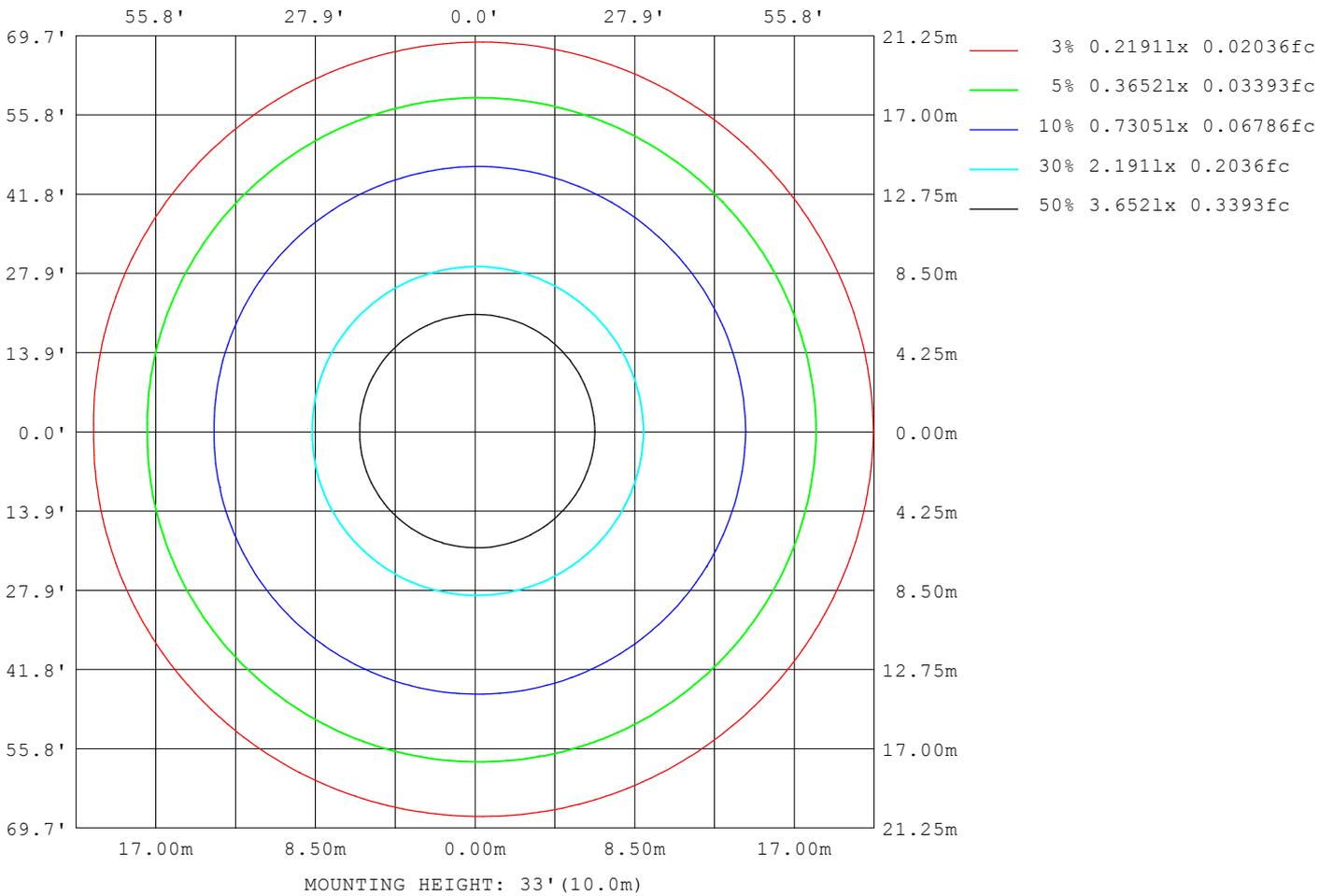
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:

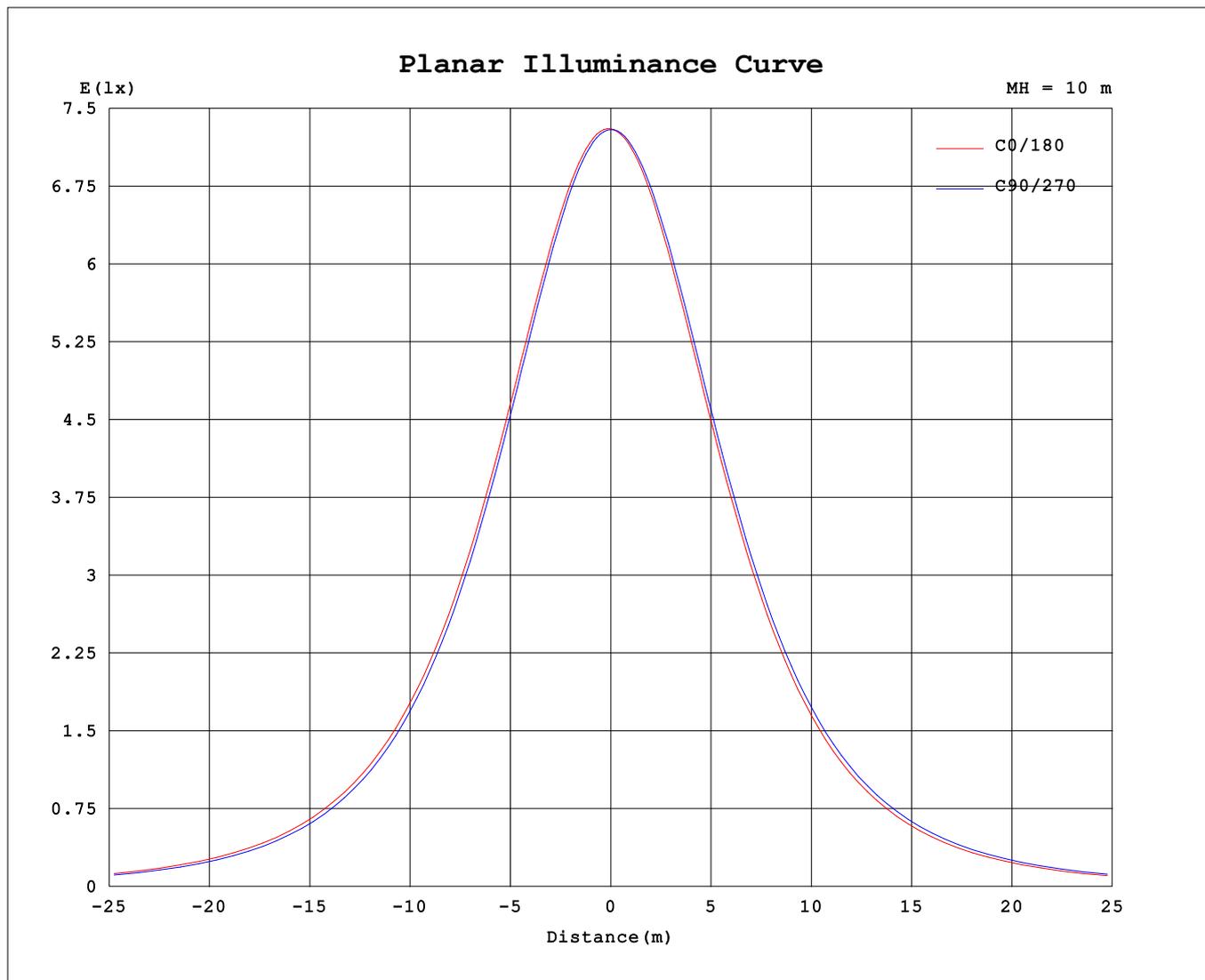
AvgL	cd/m2
L_0~180 (65) av	6015
L_0~180 (75) av	5279
L_0~180 (85) av	3805
L_90~270 (65) av	6028
L_90~270 (75) av	5293
L_90~270 (85) av	3549
L_45 (65) av	5994
L_45 (75) av	5242
L_45 (85) av	3541

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:119.97V I:0.2101A P:24.642W PF:0.9777 Freq:59.98Hz Lamp Flux:2084.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 3500K
MFR.:	SUR.: 0.36	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	730	730	730	730															
5	729	726	724	728															
10	721	716	712	718															
15	707	698	693	703															
20	686	675	669	681															
25	660	646	638	653															
30	627	611	602	619															
35	590	572	561	580															
40	547	527	516	537															
45	501	479	467	490															
50	450	427	414	438															
55	396	371	358	383															
60	339	313	299	326															
65	279	253	239	266															
70	219	193	179	206															
75	159	133	120	146															
80	101	77.7	66.0	87.6															
85	48.7	28.3	18.9	34.8															
90	5.28	0.06	0.09	0.12															
95	0.06	0.14	0.19	0.10															
100	0.15	0.25	0.32	0.21															
105	0.25	0.38	0.45	0.34															
110	0.38	0.50	0.59	0.48															
115	0.50	0.63	0.72	0.62															
120	0.62	0.76	0.87	0.76															
125	0.75	0.87	0.99	0.90															
130	0.85	0.98	1.12	1.03															
135	0.96	1.08	1.24	1.15															
140	1.06	1.17	1.35	1.27															
145	1.16	1.27	1.46	1.37															
150	1.25	1.37	1.55	1.47															
155	1.35	1.45	1.65	1.57															
160	1.46	1.54	1.73	1.65															
165	1.56	1.62	1.82	1.74															
170	1.65	1.69	1.86	1.79															
175	1.74	1.78	1.87	1.83															
180	1.84	1.84	1.87	1.85															

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: