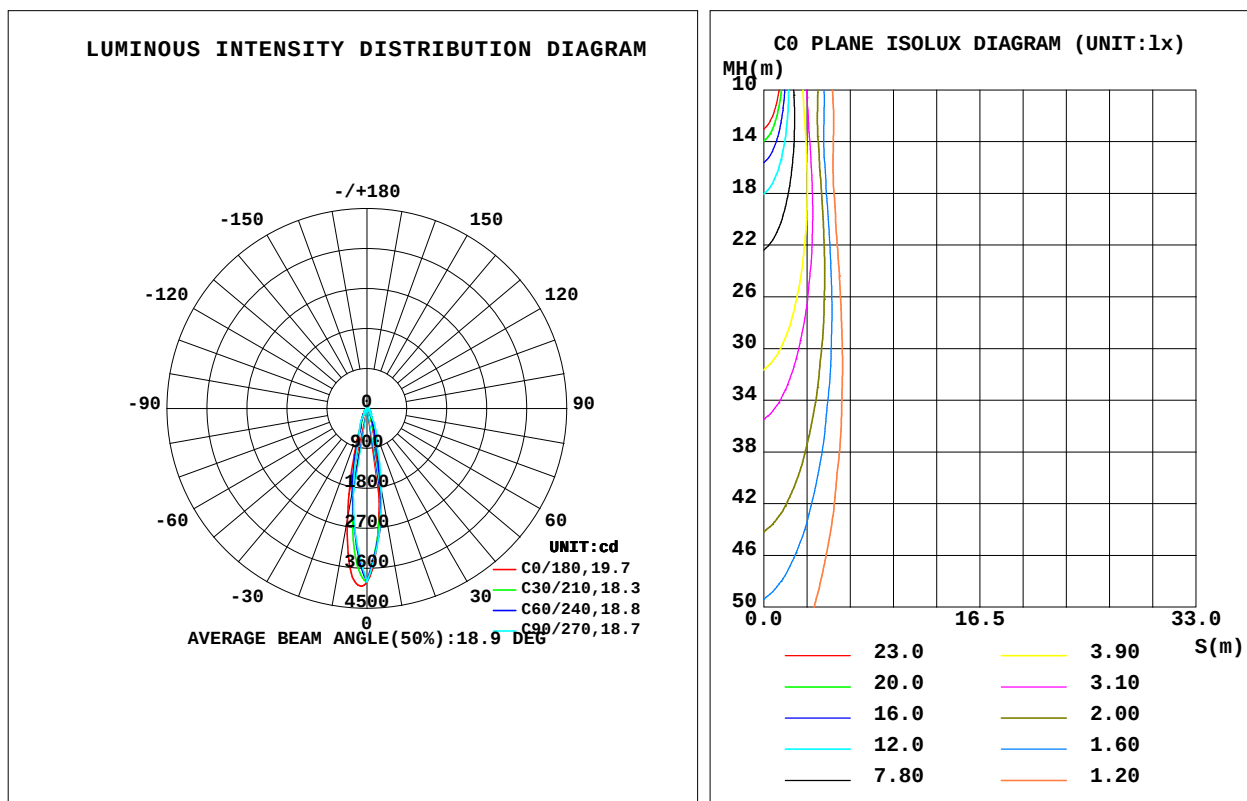


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.80 lm/W			
MODEL		I _{max} (cd)	4003	S/MH(C0/180)	0.39
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	838.97	h UP, DN(C0-180)	0.0,51.4
NOMINAL FLUX(lm)	838.968	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,48.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	1.00



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-20

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.600m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	1438	1695	1881	1908	2560	1848	1750	1640	0- 10	248.5	248.5	29.6, 29.6
20	307.0	379.7	636.6	412.2	482.8	383.6	498.6	339.1	10- 20	242.1	490.6	58.5, 58.5
30	145.8	167.4	176.0	196.5	201.2	181.2	156.0	159.1	20- 30	127.0	617.5	73.6, 73.6
40	77.84	79.92	107.6	96.38	102.8	88.85	94.42	78.75	30- 40	78.05	695.6	82.9, 82.9
50	53.27	55.75	64.03	62.94	62.32	55.81	54.69	52.58	40- 50	54.86	750.5	89.4, 89.4
60	38.88	42.32	45.33	44.74	42.03	36.91	36.81	37.08	50- 60	42.92	793.4	94.6, 94.6
70	15.46	28.36	25.16	28.79	25.22	22.07	21.79	22.10	60- 70	31.70	825.1	98.3, 98.3
80	2.460	5.001	0	5.959	3.359	3.192	0	2.772	70- 80	13.20	838.3	99.9, 99.9
90	1.852	0	0	0	1.808	0	0	0	80- 90	0.6878	839.0	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 725.2 lm

%lum = 86.4%

%lamp = 86.4%

Conical surface Flux(120deg): 793.38 lm

%lum = 94.6%

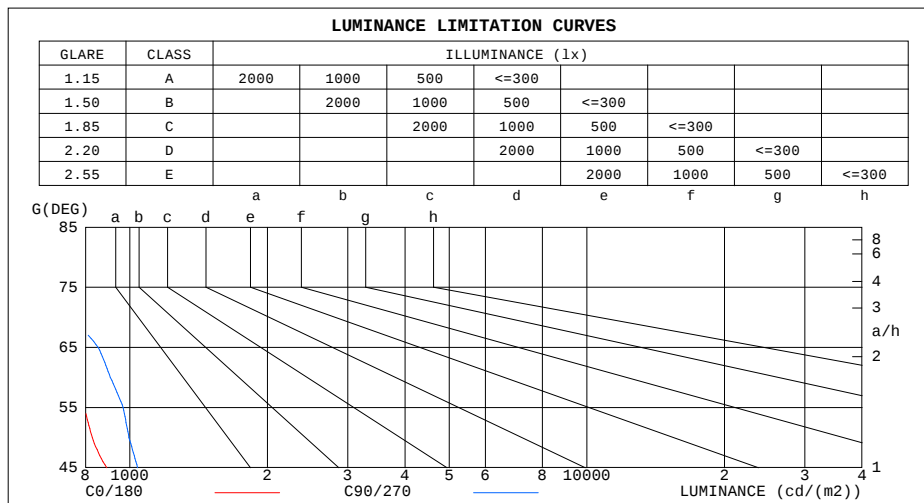
%lamp = 94.6%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-20

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:6.600m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m ²)		
G(DEG)	C0/180	C90/270
85	241	0
80	142	0
75	163	588
70	452	736
65	752	853
60	778	907
55	797	968
50	829	996
45	891	1040

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.600m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

r c c	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r f c	20%			20%			20%			20%			20%			0
R C R	R C R:Room Cavity Ratio Wall Exitance Coefficients(W E C)															
0.0																
1.0	.180	.102	.032	.173	.099	.031	.160	.092	.029	.149	.086	.028	.138	.080	.026	
2.0	.170	.093	.029	.165	.091	.028	.154	.086	.027	.144	.081	.025	.135	.077	.024	
3.0	.160	.085	.025	.155	.083	.025	.146	.079	.024	.137	.075	.023	.130	.072	.022	
4.0	.149	.077	.023	.145	.076	.022	.137	.073	.022	.130	.070	.021	.123	.067	.020	
5.0	.140	.071	.021	.136	.070	.020	.129	.067	.020	.123	.065	.019	.117	.063	.019	
6.0	.131	.066	.019	.128	.065	.019	.122	.063	.018	.117	.061	.018	.112	.059	.017	
7.0	.123	.061	.017	.121	.060	.017	.116	.058	.017	.111	.057	.017	.106	.055	.016	
8.0	.117	.057	.016	.114	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	
9.0	.110	.053	.015	.108	.053	.015	.104	.052	.015	.100	.050	.014	.097	.049	.014	
10.0	.105	.050	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.093	.047	.013	

r c c	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r f c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.113	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.113	.085	.064	.078	.059	.045	.045	.035	.027	.015	.011	.009	
5.0	.123	.087	.061	.105	.075	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.114	.077	.051	.098	.067	.044	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.054	.032	.018	.031	.019	.011	.010	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.600m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm											
NAME: 6850-15W-2700K					TYPE:			WEIGHT:			
SPEC.:					DIM.: 128*128*95mm			SERIAL No.:01			
MFR.: NORDECOR					SUR.:			Shielding Angle:24°			
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	9.1	10.0	9.4	10.2	10.3	9.5	10.3	9.7	10.5	10.7	
	3H	10.5	11.3	10.7	11.5	11.7	10.7	11.5	10.9	11.7	11.9
	4H	10.5	11.3	10.8	11.5	11.7	11.1	11.9	11.4	12.1	12.3
	6H	10.4	11.2	10.7	11.4	11.6	11.2	11.9	11.4	12.1	12.4
	8H	10.4	11.1	10.7	11.4	11.6	11.1	11.8	11.4	12.1	12.3
	12H	10.4	11.0	10.7	11.3	11.6	11.1	11.7	11.4	12.0	12.3
4H	2H	9.9	10.7	10.2	10.9	11.1	10.1	10.9	10.4	11.1	11.3
	3H	11.4	12.1	11.7	12.3	12.6	11.4	12.1	11.7	12.4	12.7
	4H	11.5	12.1	11.8	12.4	12.7	11.9	12.6	12.3	12.9	13.2
	6H	11.4	12.0	11.8	12.3	12.6	12.0	12.5	12.3	12.9	13.2
	8H	11.4	11.9	11.7	12.2	12.6	11.9	12.4	12.3	12.8	13.2
	12H	11.3	11.8	11.7	12.2	12.6	11.9	12.3	12.3	12.7	13.1
8H	4H	11.7	12.2	12.0	12.5	12.9	12.1	12.6	12.5	13.0	13.3
	6H	11.6	12.1	12.1	12.4	12.9	12.1	12.6	12.6	13.0	13.4
	8H	11.6	12.0	12.0	12.4	12.8	12.1	12.5	12.5	12.9	13.3
	12H	11.6	11.9	12.0	12.3	12.8	12.0	12.4	12.5	12.8	13.3
12H	4H	11.6	12.1	12.0	12.5	12.9	12.0	12.5	12.4	12.9	13.3
	6H	11.6	12.0	12.0	12.4	12.8	12.1	12.5	12.5	12.9	13.3
	8H	11.6	11.9	12.0	12.3	12.8	12.0	12.4	12.5	12.8	13.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.3					
1.5H	+ 0.2 / - 0.6					+ 0.7 / - 0.4					
2.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.6					

CIE Pub.117, 839.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.600m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

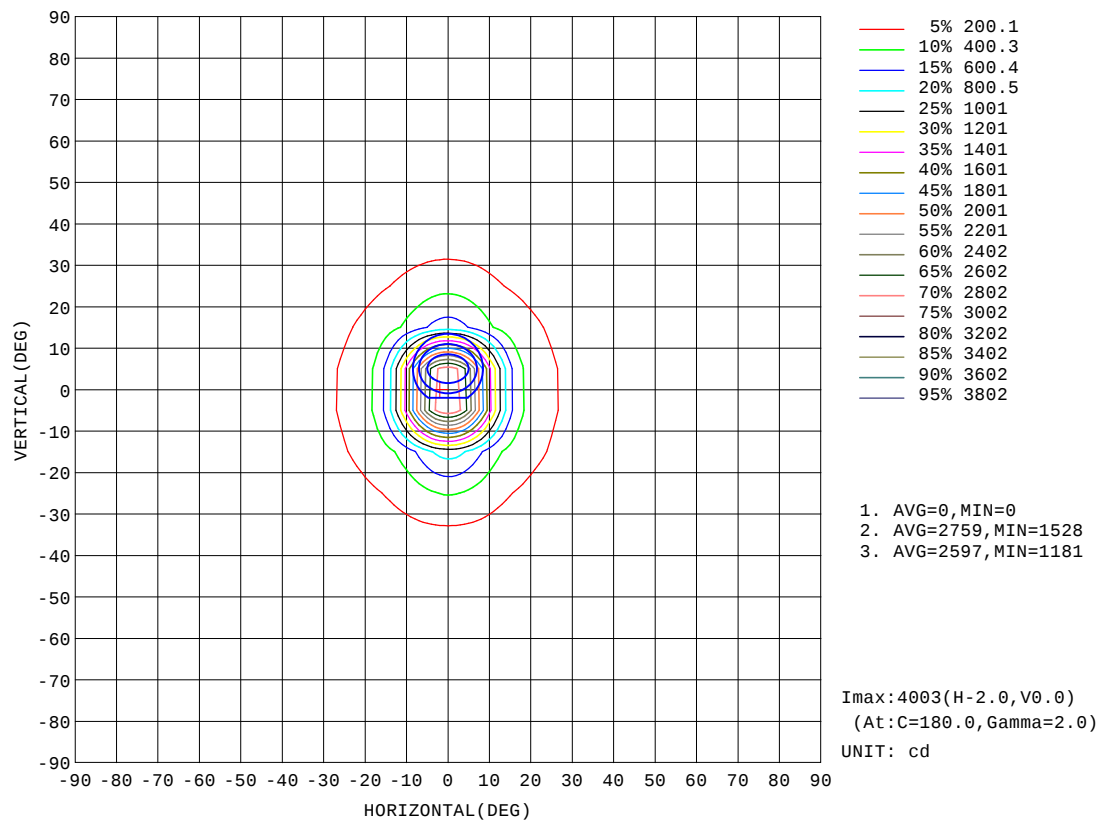
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	81	74	69	80	73	69	80	73	69	65
0.80	89	82	77	88	82	77	87	81	77	72
1.00	94	87	83	93	87	83	92	87	82	78
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	96	92	101	96	92	98	94	91	86
2.00	106	101	97	104	100	96	101	98	94	89
2.50	108	103	100	106	102	99	103	100	97	91
3.00	110	106	102	108	104	101	104	102	99	92
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



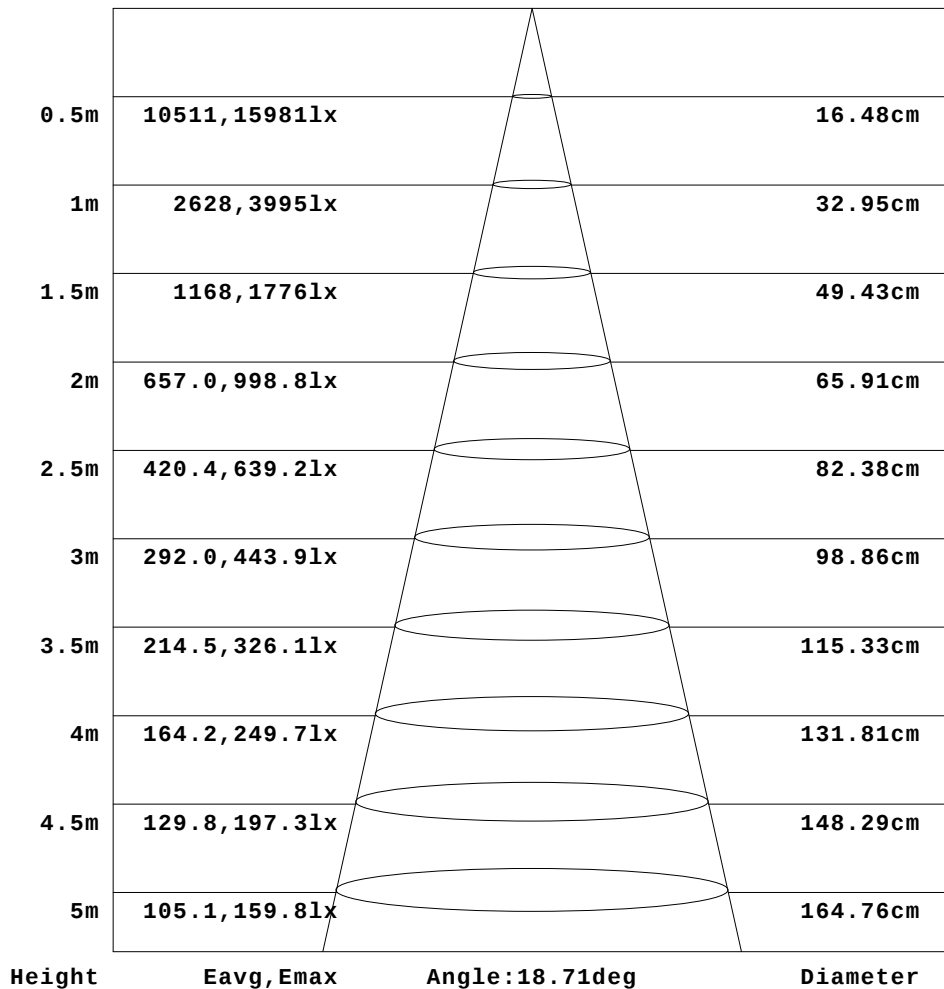
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.600m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:231.2 lm



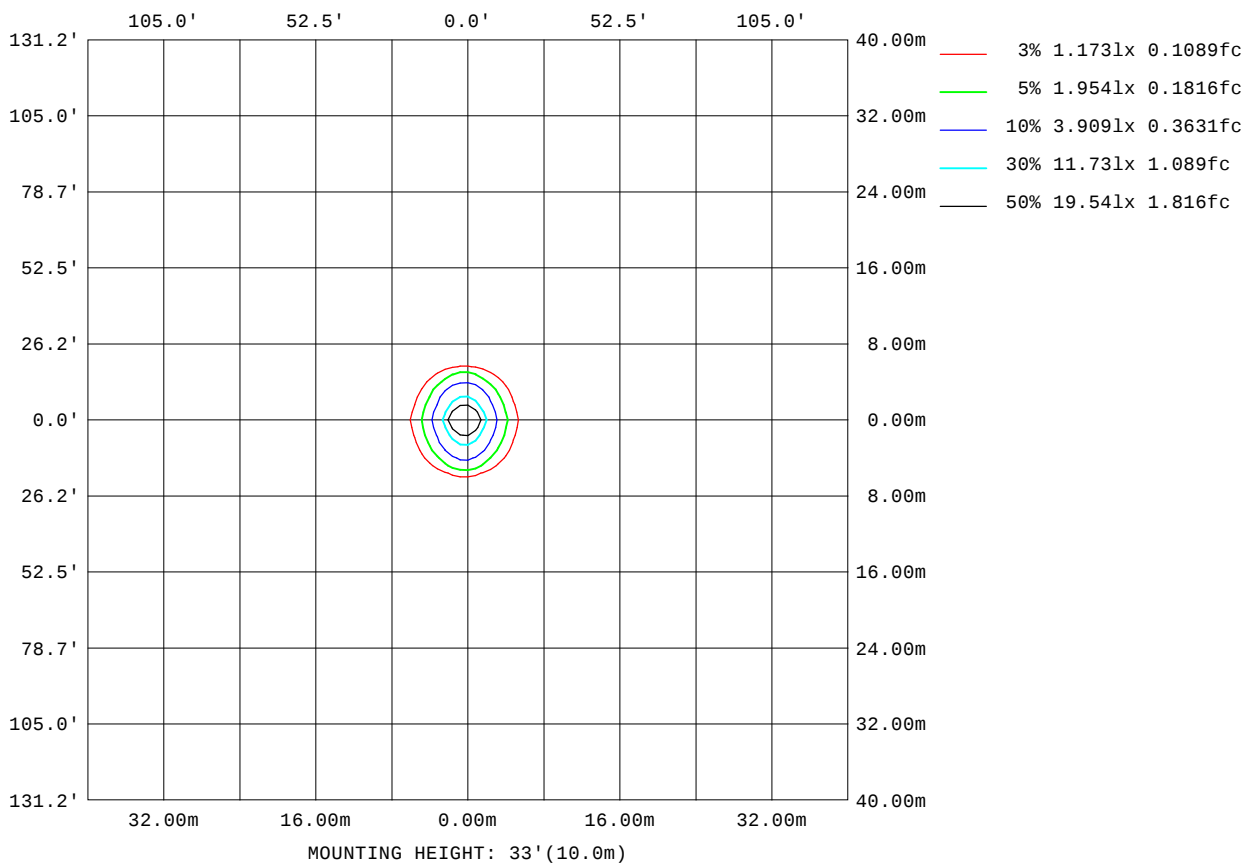
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.600m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.25V I:0.1512A P:14.516W PF:0.4359 Freq:50.00Hz Lamp Flux:838.968x1 lm		
NAME: 6850-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

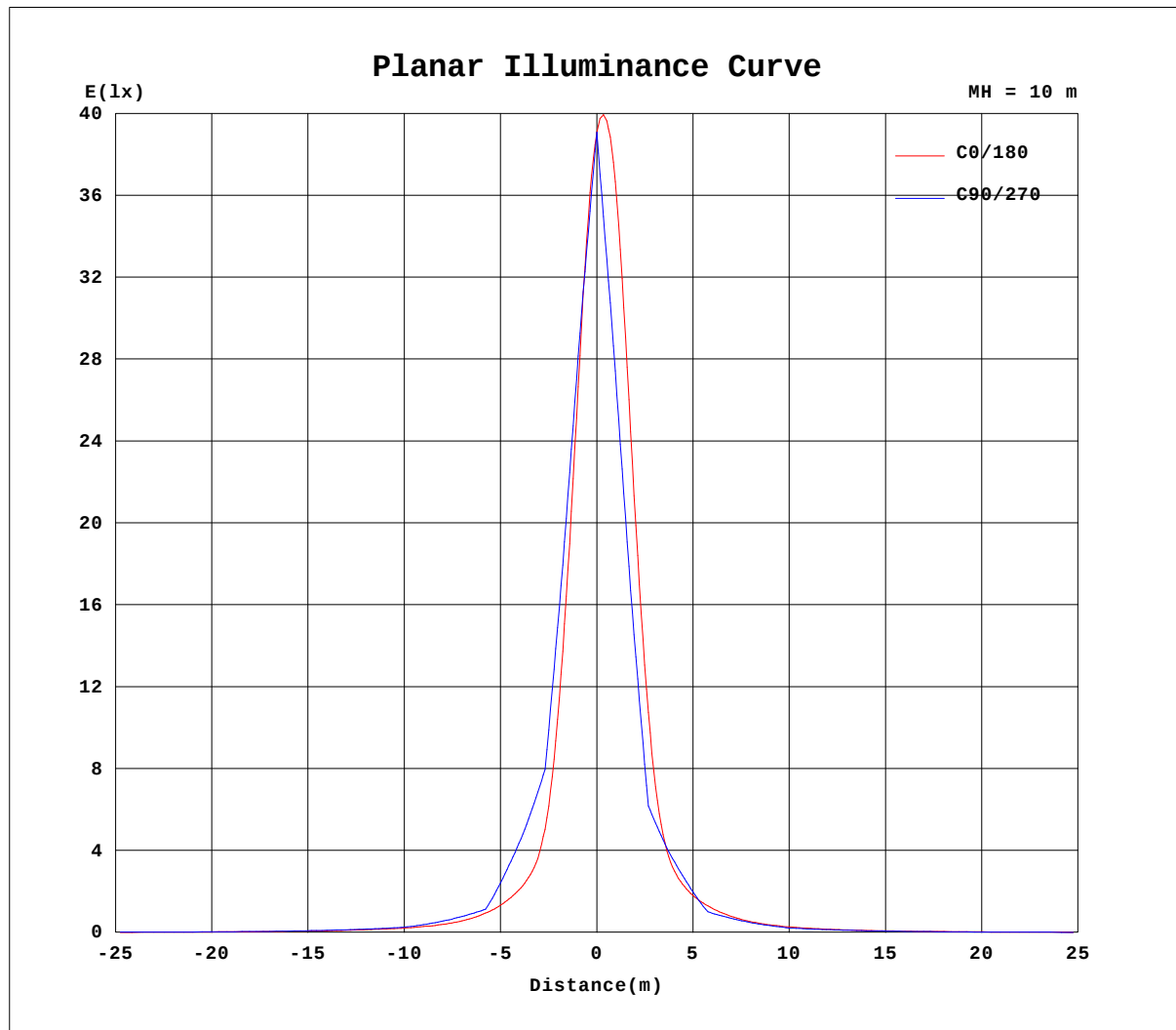
AvgL	cd/m2
L_0~180(65)av	775
L_0~180(75)av	277
L_0~180(85)av	240
L_90~270(65)av	774
L_90~270(75)av	571
L_90~270(85)av	0
L_45(65)av	793
L_45(75)av	580
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-20

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



H_b Range: -90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.600m [K=1.0000]
Remarks:

