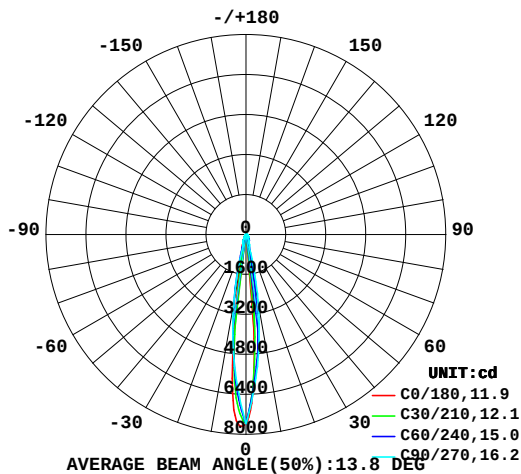


LUMINAIRE PHOTOMETRIC TEST REPORT

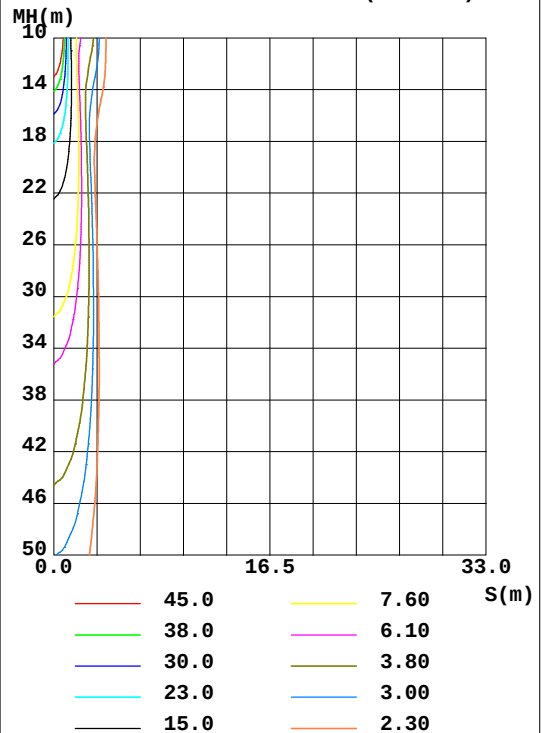
Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.16 lm/W			
MODEL		I _{max} (cd)	7681	S/MH(C0/180)	0.23
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.28
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	852.31	h UP, DN(C0-180)	0.0,50.5
NOMINAL FLUX(lm)	852.31	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,49.5
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H_b Range: -90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-18

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: 6.300m [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	767.6	1411	2885	1900	1425	1886	2874	1412	0- 10	367.1	367.1	43.1, 43.1
20	331.2	335.5	412.2	368.3	395.7	340.4	394.9	345.2	10- 20	200.5	567.6	66.6, 66.6
30	145.5	156.6	157.6	174.9	174.3	159.2	137.1	149.9	20- 30	112.0	679.6	79.7, 79.7
40	76.99	76.45	99.70	78.41	85.87	72.98	84.32	67.33	30- 40	68.72	748.3	87.8, 87.8
50	40.76	41.35	55.54	46.25	51.19	40.90	45.56	36.62	40- 50	47.78	796.1	93.4, 93.4
60	21.14	21.20	25.11	24.55	25.82	21.87	20.77	19.37	50- 60	29.04	825.1	96.8, 96.8
70	11.29	11.86	14.24	13.73	15.19	12.95	12.89	11.18	60- 70	17.27	842.4	98.8, 98.8
80	4.400	4.043	0	4.570	7.137	5.787	0	4.296	70- 80	8.910	851.3	99.9, 99.9
90	2.433	0	0	0	1.582	0	0	0	80- 90	0.9939	852.3	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): 774.57 lm

%lum = 90.9%

%lamp = 90.9%

Conical surface Flux(120deg): 825.13 lm

%lum = 96.8%

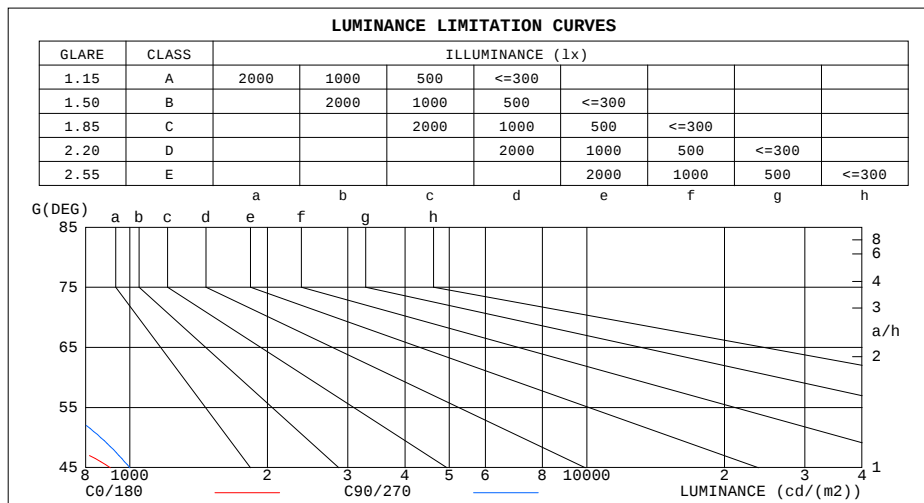
%lamp = 96.8%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-18

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:6.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	290	0
80	253	0
75	274	340
70	330	416
65	374	466
60	423	502
55	481	703
50	634	864
45	906	1000

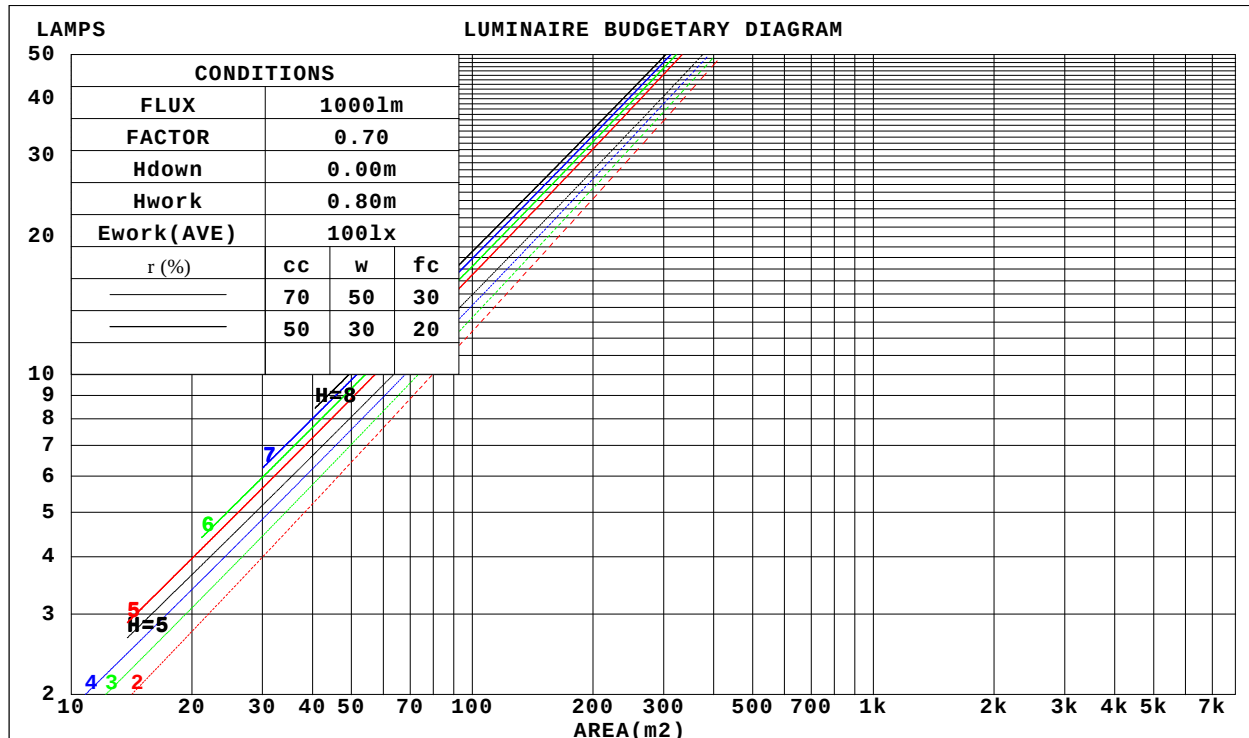
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-18

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: 6.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

r CC	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 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	1.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.98	.95	.94	.95	.93	.92	.90
3.0	.00	.96	.92	.98	.95	.91	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.91	.87	.94	.90	.86	.92	.88	.85	.90	.87	.85	.88	.86	.84	.82
5.0	.91	.86	.83	.90	.86	.82	.88	.85	.82	.87	.84	.81	.85	.83	.80	.79
6.0	.88	.83	.79	.87	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.76
7.0	.84	.80	.76	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.77	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.75	.72	.79	.74	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
10.0	.77	.73	.70	.77	.72	.70	.76	.72	.69	.75	.72	.69	.75	.71	.69	.68



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-18

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: 6.300m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

r _{cc}	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 _{fc}	20%			20%			20%			20%			20%			0
R _{CR}	R _{CR} :Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.159	.090	.029	.152	.087	.028	.140	.080	.026	.128	.074	.024	.118	.068	.022	
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.123	.069	.022	.115	.065	.020	
3.0	.139	.074	.022	.134	.072	.022	.125	.068	.021	.117	.064	.020	.110	.061	.019	
4.0	.130	.067	.020	.126	.066	.019	.118	.063	.019	.111	.060	.018	.105	.057	.017	
5.0	.121	.062	.018	.118	.060	.018	.111	.058	.017	.105	.056	.017	.100	.053	.016	
6.0	.114	.057	.016	.111	.056	.016	.105	.054	.016	.100	.052	.015	.095	.050	.015	
7.0	.107	.053	.015	.104	.052	.015	.100	.050	.015	.095	.049	.014	.091	.047	.014	
8.0	.101	.049	.014	.099	.049	.014	.095	.047	.013	.091	.046	.013	.087	.045	.013	
9.0	.096	.046	.013	.094	.046	.013	.090	.045	.013	.087	.043	.012	.083	.042	.012	
10.0	.091	.044	.012	.089	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.012	

r _{cc}	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 _{fc}	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	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.063	.101	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.088	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.072	.045	.026	.050	.031	.019	.029	.019	.011	.009	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-18

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: 6.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm											
NAME: 6845-15W-2700K						TYPE:		WEIGHT:			
SPEC.:						DIM.: 128*128*95mm		SERIAL No.:01			
MFR.: NORDECOR						SUR.:		Shielding Angle:12°			
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	6.4	7.2	6.6	7.3	7.5	7.8	8.5	8.0	8.7	8.9	
	3H	7.1	7.8	7.3	8.0	8.2	8.5	9.2	8.8	9.4	
	4H	7.3	8.0	7.6	8.2	8.4	8.8	9.5	9.0	9.7	
	6H	7.5	8.2	7.8	8.4	8.6	8.8	9.4	9.1	9.6	
	8H	7.6	8.2	7.9	8.4	8.7	8.7	9.3	9.0	9.6	
	12H	7.6	8.2	7.9	8.5	8.7	8.7	9.3	9.0	9.5	
4H	2H	6.7	7.4	7.0	7.6	7.8	7.9	8.6	8.2	8.8	
	3H	7.5	8.1	7.9	8.4	8.7	8.8	9.4	9.1	9.7	
	4H	7.9	8.4	8.2	8.7	9.0	9.2	9.7	9.5	10.0	
	6H	8.1	8.6	8.5	8.9	9.3	9.2	9.7	9.6	10.0	
	8H	8.2	8.6	8.6	9.0	9.3	9.1	9.6	9.5	9.9	
	12H	8.2	8.6	8.6	9.0	9.4	9.1	9.5	9.5	9.9	
8H	4H	8.0	8.5	8.4	8.8	9.2	9.2	9.7	9.6	10.0	
	6H	8.3	8.7	8.7	9.1	9.5	9.3	9.6	9.7	10.0	
	8H	8.4	8.7	8.9	9.2	9.6	9.2	9.5	9.6	9.9	
	12H	8.5	8.8	8.9	9.2	9.7	9.1	9.4	9.6	9.9	
12H	4H	8.0	8.4	8.4	8.8	9.1	9.2	9.6	9.6	10.0	
	6H	8.3	8.6	8.7	9.0	9.5	9.2	9.6	9.7	10.0	
	8H	8.4	8.7	8.8	9.1	9.6	9.2	9.4	9.6	9.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 1.0					+ 0.5 / - 0.8					
1.5H	+ 0.7 / - 0.7					+ 0.9 / - 0.7					
2.0H	+ 2.1 / - 1.2					+ 1.6 / - 1.5					

CIE Pub.117, 852.3 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: 2026-08-18

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: 6.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

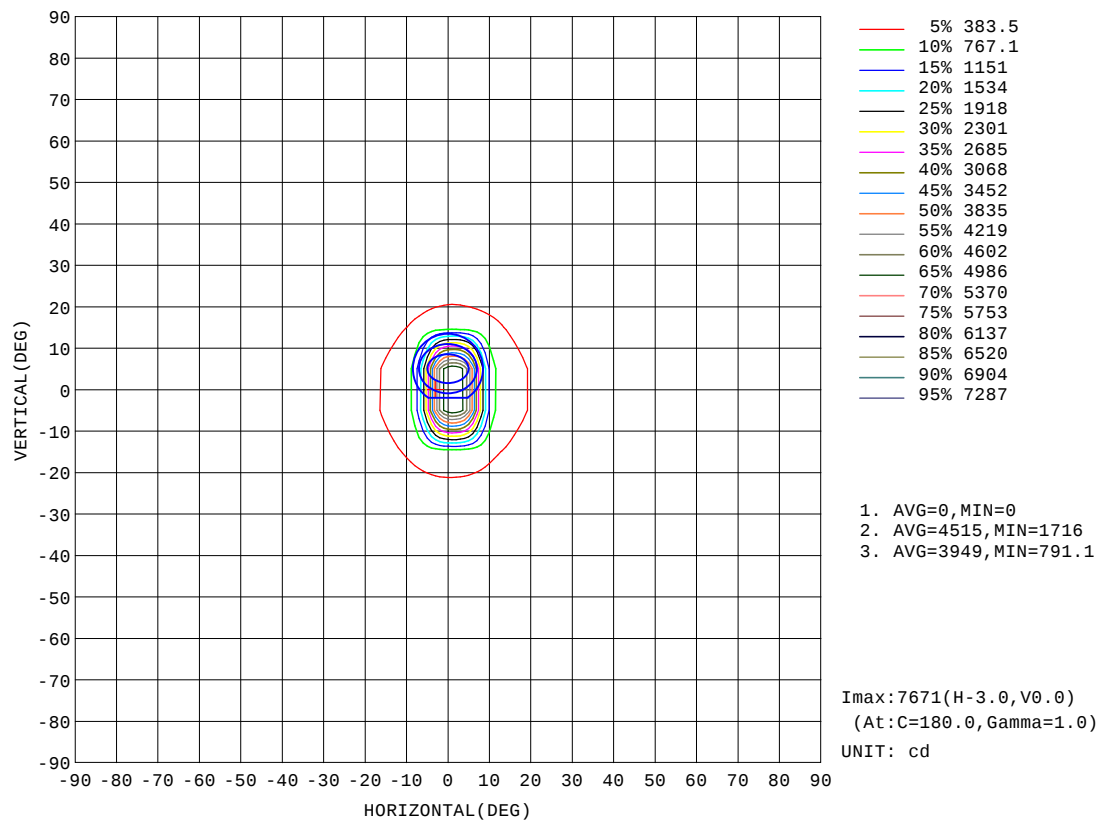
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	77	73	83	77	73	83	76	73	69
0.80	92	85	81	91	85	81	90	84	81	77
1.00	97	90	86	96	90	86	94	90	86	81
1.25	101	95	91	100	95	91	98	93	90	86
1.50	104	99	95	103	98	94	100	96	93	89
2.00	107	102	99	106	101	98	103	99	97	91
2.50	109	105	101	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
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:2026-08-18

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:6.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

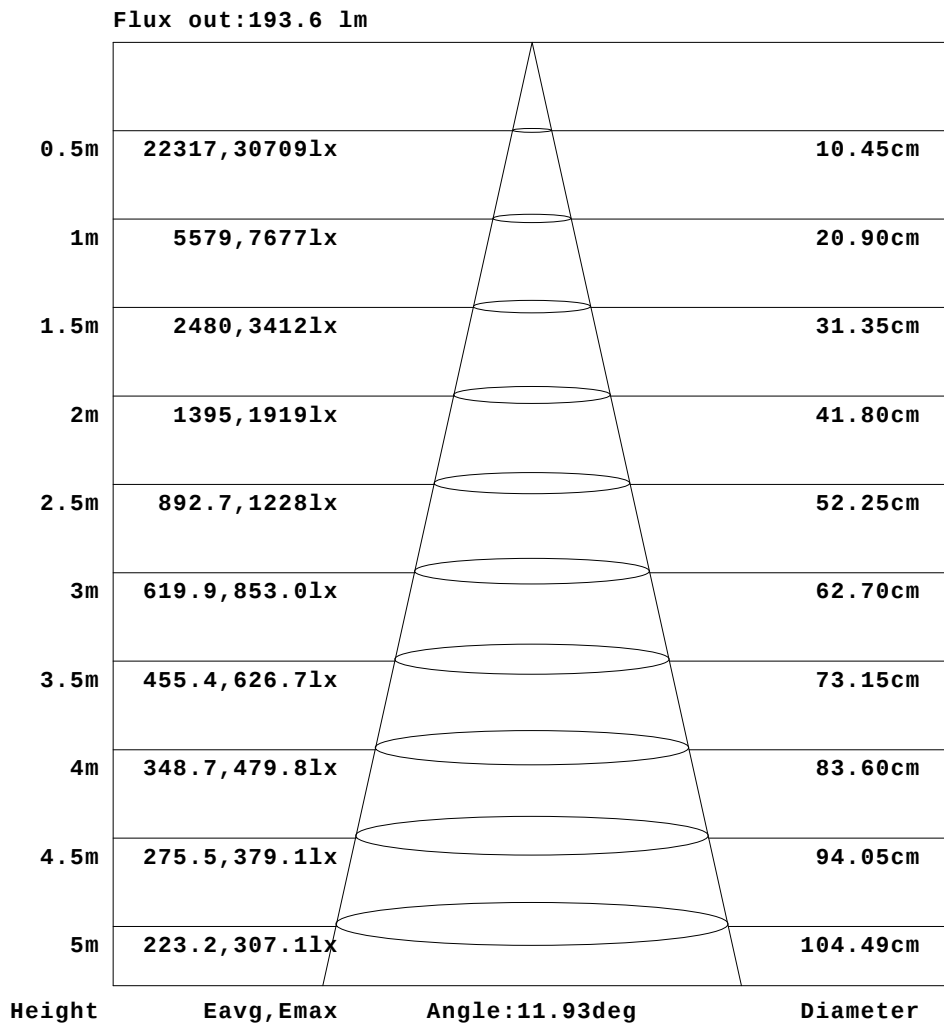


H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-18

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: 6.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°



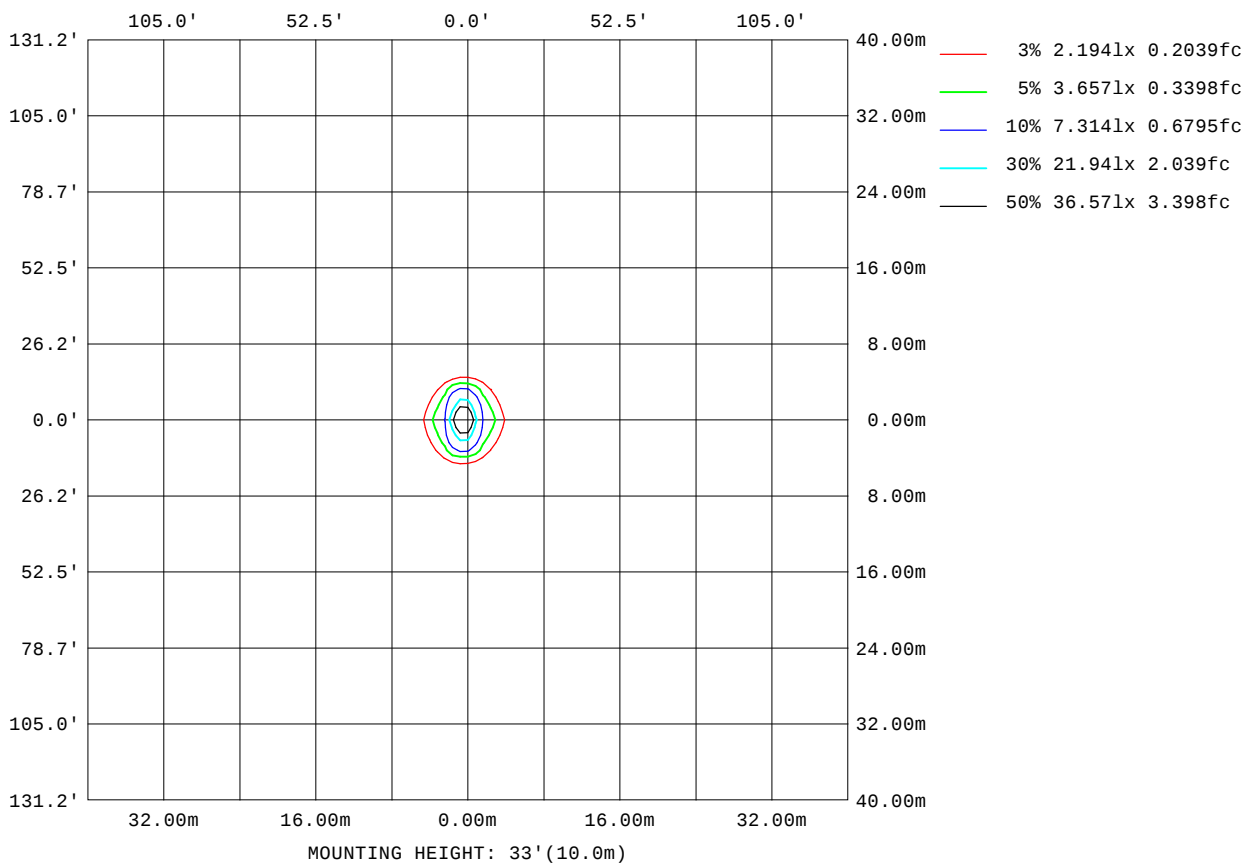
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-18

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:6.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-18

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: 6.300m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.31V I:0.1512A P:14.407W PF:0.4326 Freq:50.00Hz Lamp Flux:852.31x1 lm		
NAME: 6845-15W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 128*128*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

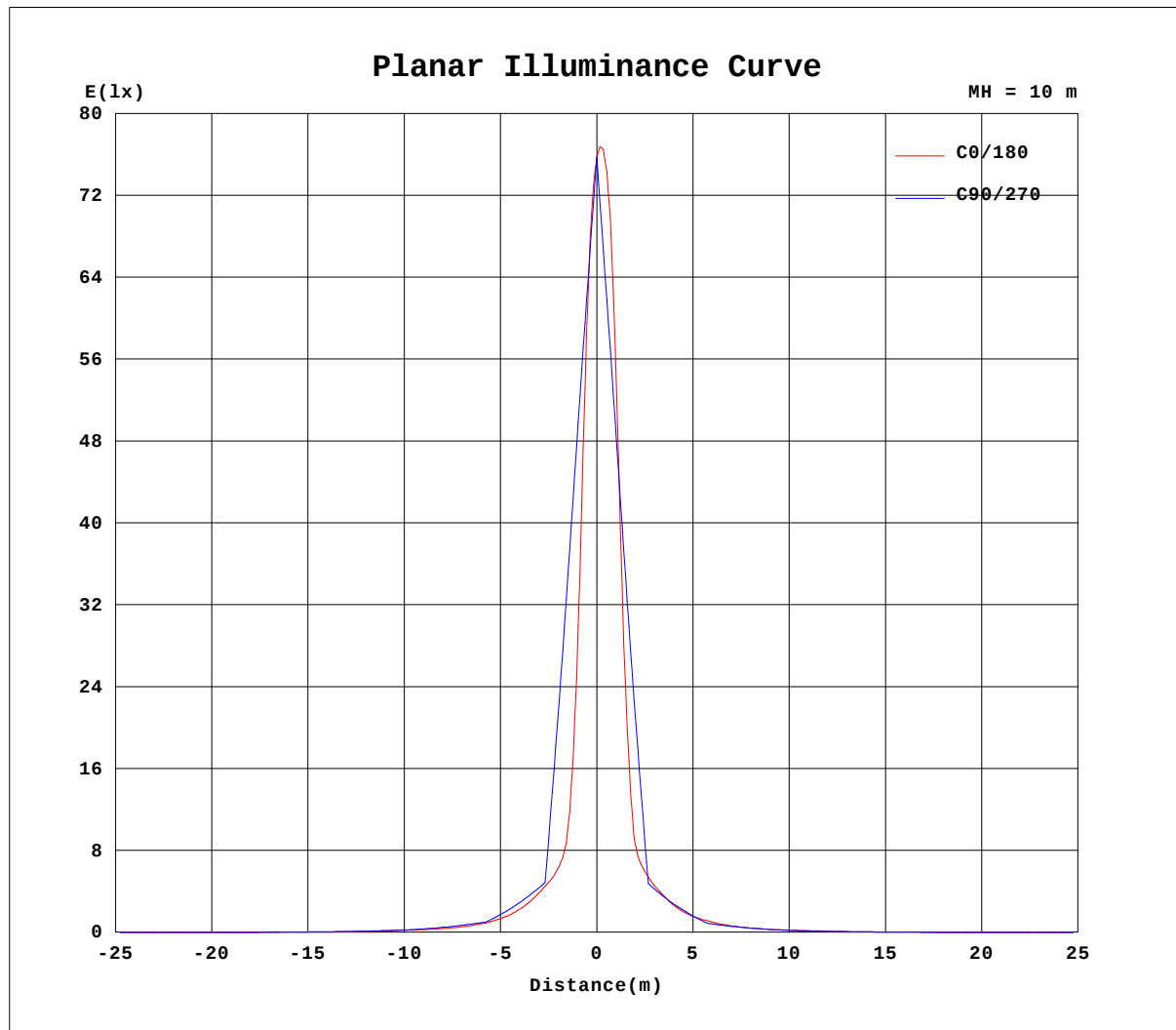
AvgL	cd/m2
L_0~180(65)av	426
L_0~180(75)av	349
L_0~180(85)av	299
L_90~270(65)av	432
L_90~270(75)av	343
L_90~270(85)av	0
L_45(65)av	395
L_45(75)av	341
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-18

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:6.300m [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: 2026-08-18

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: 6.300m [K=1.0000]
Remarks:

