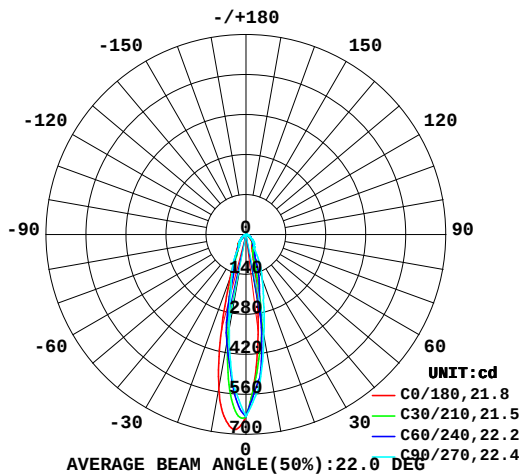


LUMINAIRE PHOTOMETRIC TEST REPORT

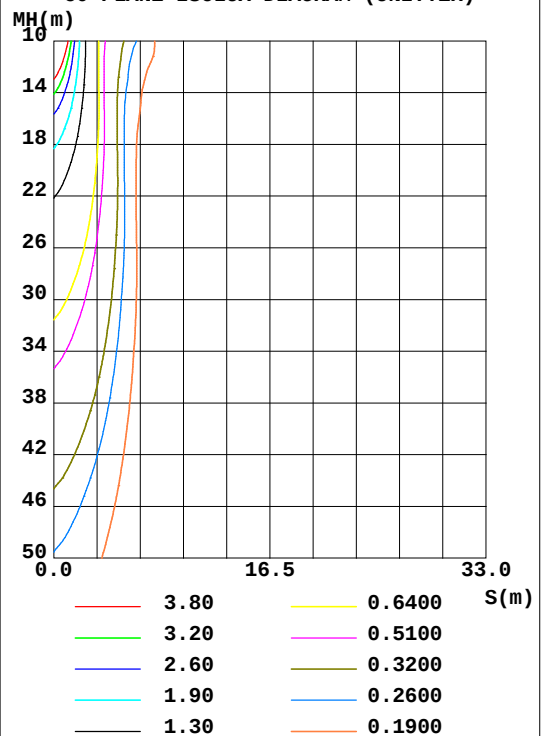
Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 46.14 lm/W			
MODEL		I _{max} (cd)	683.9	S/MH(C0/180)	0.49
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	214.53	h UP, DN(C0-180)	0.0,51.6
NOMINAL FLUX(lm)	214.533	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,48.4
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: 2026-08-20

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: 7.000m [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	236.4	308.8	359.5	405.2	549.8	385.0	340.4	302.3	0- 10	44.78	44.78	20.9, 20.9
20	69.63	97.99	166.0	137.6	164.4	110.8	145.0	92.89	10- 20	57.79	102.6	47.8, 47.8
30	44.54	51.29	57.46	71.26	64.68	60.53	51.76	50.82	20- 30	38.20	140.8	65.6, 65.6
40	34.18	38.17	43.21	48.40	43.50	40.94	37.85	35.79	30- 40	29.22	170.0	79.2, 79.2
50	11.59	22.57	27.94	30.56	18.76	26.14	23.56	19.14	40- 50	23.85	193.8	90.4, 90.4
60	2.980	8.851	11.67	13.08	6.137	11.05	8.872	7.286	50- 60	13.21	207.1	96.5, 96.5
70	1.341	2.521	5.691	2.996	2.758	2.495	4.290	2.043	60- 70	5.273	212.3	99, 99
80	0.9326	0.7312	0	0.8996	0.9968	0.8303	0	0.7101	70- 80	1.945	214.3	99.9, 99.9
90	0.8409	0	0	0	0.8493	0	0	0	80- 90	0.2586	214.5	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): 183.09 lm

%lum = 85.3%

%lamp = 85.3%

Conical surface Flux(120deg): 207.06 lm

%lum = 96.5%

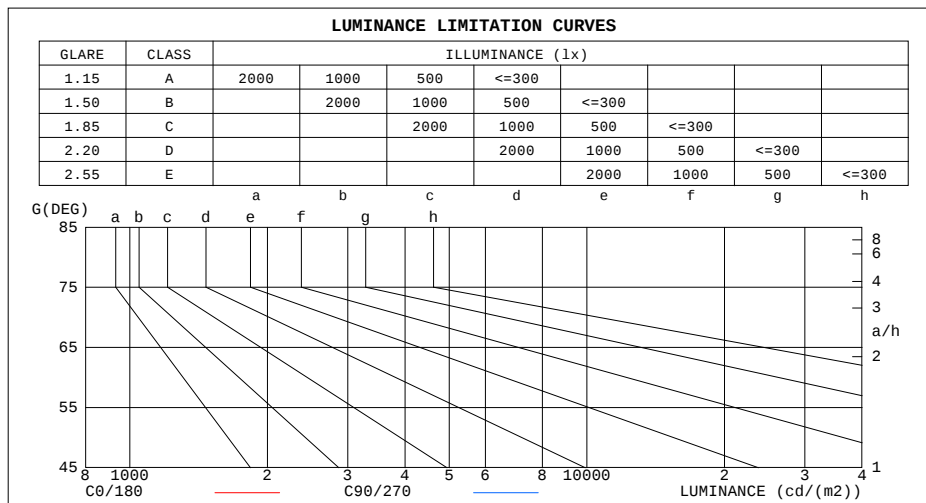
%lamp = 96.5%

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:7.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	101	0
80	54	0
75	35	106
70	39	166
65	50	209
60	60	233
55	106	350
50	180	435
45	352	515

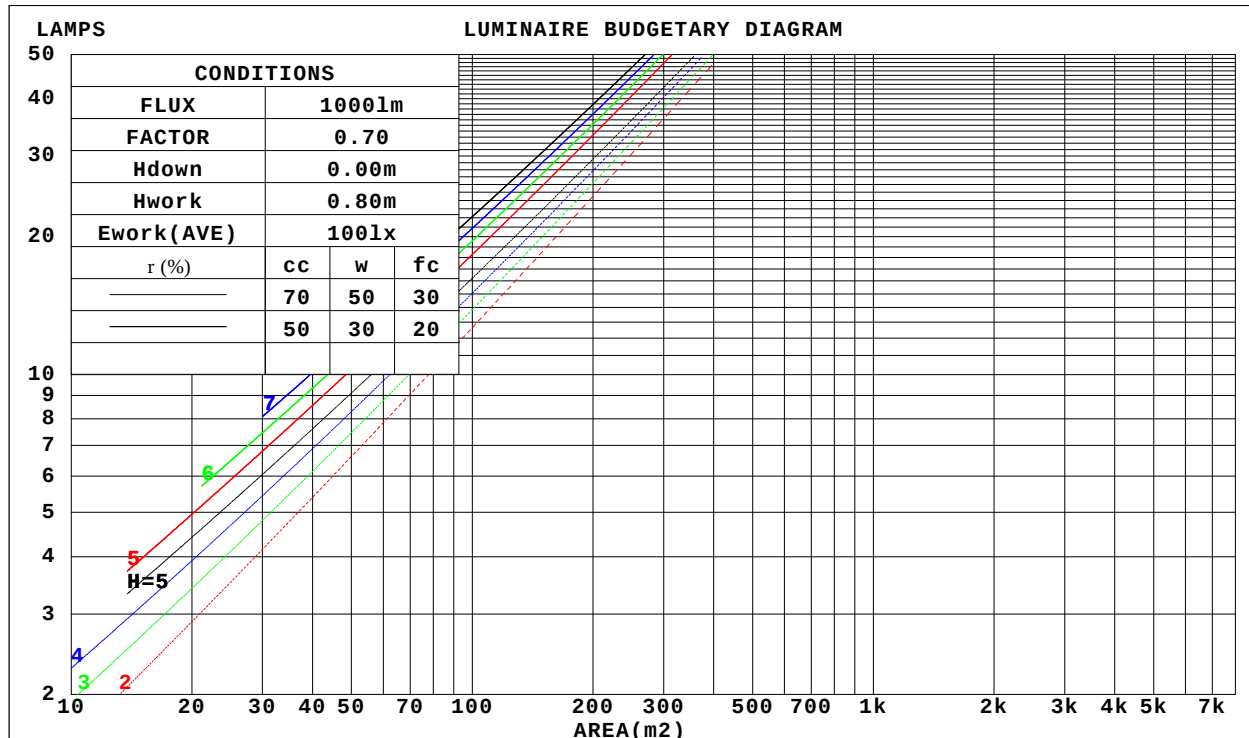
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

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: 7.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.86
3.0	.95	.90	.85	.93	.89	.85	.91	.87	.83	.88	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.78	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.73	.82	.77	.72	.80	.75	.72	.79	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.68	.77	.72	.68	.76	.71	.67	.74	.70	.67	.73	.69	.66	.65
7.0	.74	.68	.64	.73	.68	.64	.72	.67	.63	.71	.66	.63	.70	.66	.63	.61
8.0	.70	.64	.60	.70	.64	.60	.69	.63	.60	.68	.63	.60	.67	.62	.59	.58
9.0	.67	.61	.57	.66	.61	.57	.65	.60	.57	.65	.60	.57	.64	.60	.56	.55
10.0	.64	.58	.54	.63	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



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: 7.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm					
NAME: 6848-5W-2700K			TYPE:		WEIGHT:
SPEC.:			DIM.: 70*70*100mm		SERIAL No.:01
MFR.: NORDECOR			SUR.:		Shielding Angle:24°

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 Wall Exitance Coefficients(WEC)															
0.0																
1.0	.188	.107	.034	.182	.104	.033	.169	.097	.031	.157	.091	.029	.147	.085	.027	
2.0	.181	.099	.030	.175	.096	.030	.164	.091	.028	.154	.087	.027	.145	.082	.026	
3.0	.171	.091	.027	.166	.089	.027	.157	.085	.026	.148	.081	.025	.141	.078	.024	
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.142	.076	.023	.135	.073	.022	
5.0	.152	.077	.022	.148	.076	.022	.141	.074	.022	.135	.071	.021	.129	.069	.021	
6.0	.144	.072	.021	.140	.071	.020	.134	.069	.020	.129	.067	.020	.123	.065	.019	
7.0	.136	.067	.019	.133	.066	.019	.128	.065	.019	.123	.063	.018	.118	.061	.018	
8.0	.129	.063	.018	.126	.062	.018	.122	.061	.017	.117	.059	.017	.113	.058	.017	
9.0	.122	.059	.017	.120	.059	.016	.116	.057	.016	.112	.056	.016	.108	.055	.016	
10.0	.116	.056	.015	.114	.055	.015	.111	.054	.015	.107	.053	.015	.104	.052	.015	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.111	.135	.114	.096	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.088	.125	.098	.077	.086	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.071	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.008	
5.0	.126	.087	.059	.108	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.096	.061	.036	.066	.043	.026	.039	.025	.015	.012	.008	.005	
8.0	.105	.064	.036	.091	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.100	.059	.031	.086	.051	.027	.060	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

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: 7.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm										
NAME: 6848-5W-2700K					TYPE:			WEIGHT:		
SPEC.:					DIM.: 70*70*100mm			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	9.5	10.5	9.7	10.6	10.8	12.0	13.0	12.2	13.1	13.3
3H	9.4	10.3	9.7	10.5	10.7	12.5	13.4	12.7	13.6	13.8
4H	9.4	10.2	9.7	10.5	10.7	12.6	13.4	12.9	13.7	13.9
6H	9.4	10.2	9.7	10.4	10.7	12.5	13.3	12.8	13.6	13.8
8H	9.4	10.2	9.7	10.4	10.7	12.5	13.3	12.8	13.5	13.8
12H	9.4	10.2	9.7	10.4	10.7	12.4	13.2	12.8	13.4	13.7
4H 2H	9.8	10.6	10.1	10.9	11.1	12.0	12.9	12.3	13.1	13.3
3H	9.8	10.5	10.1	10.8	11.1	12.6	13.3	12.9	13.6	13.9
4H	9.7	10.4	10.1	10.7	11.0	12.7	13.4	13.1	13.7	14.0
6H	9.7	10.3	10.1	10.7	11.0	12.7	13.3	13.1	13.6	14.0
8H	9.8	10.3	10.2	10.7	11.0	12.6	13.2	13.0	13.6	13.9
12H	9.8	10.4	10.3	10.7	11.1	12.6	13.1	13.0	13.5	13.9
8H 4H	9.7	10.3	10.1	10.6	11.0	12.6	13.2	13.0	13.5	13.9
6H	9.8	10.2	10.2	10.6	11.0	12.6	13.1	13.0	13.5	13.9
8H	9.9	10.3	10.3	10.7	11.1	12.6	13.0	13.0	13.4	13.8
12H	10.0	10.4	10.5	10.8	11.3	12.5	12.8	13.0	13.3	13.8
12H 4H	9.7	10.2	10.1	10.6	11.0	12.6	13.1	13.0	13.5	13.9
6H	9.7	10.1	10.2	10.6	11.0	12.6	13.0	13.0	13.4	13.8
8H	9.8	10.2	10.3	10.6	11.1	12.5	12.8	13.0	13.3	13.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 3.0					+ 0.5 / - 0.6				
1.5H	+ 1.1 / - 2.6					+ 0.6 / - 0.6				
2.0H	+ 3.6 / - 4.6					+ 2.1 / - 2.9				

CIE Pub.117, 214.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.3)
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: 7.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

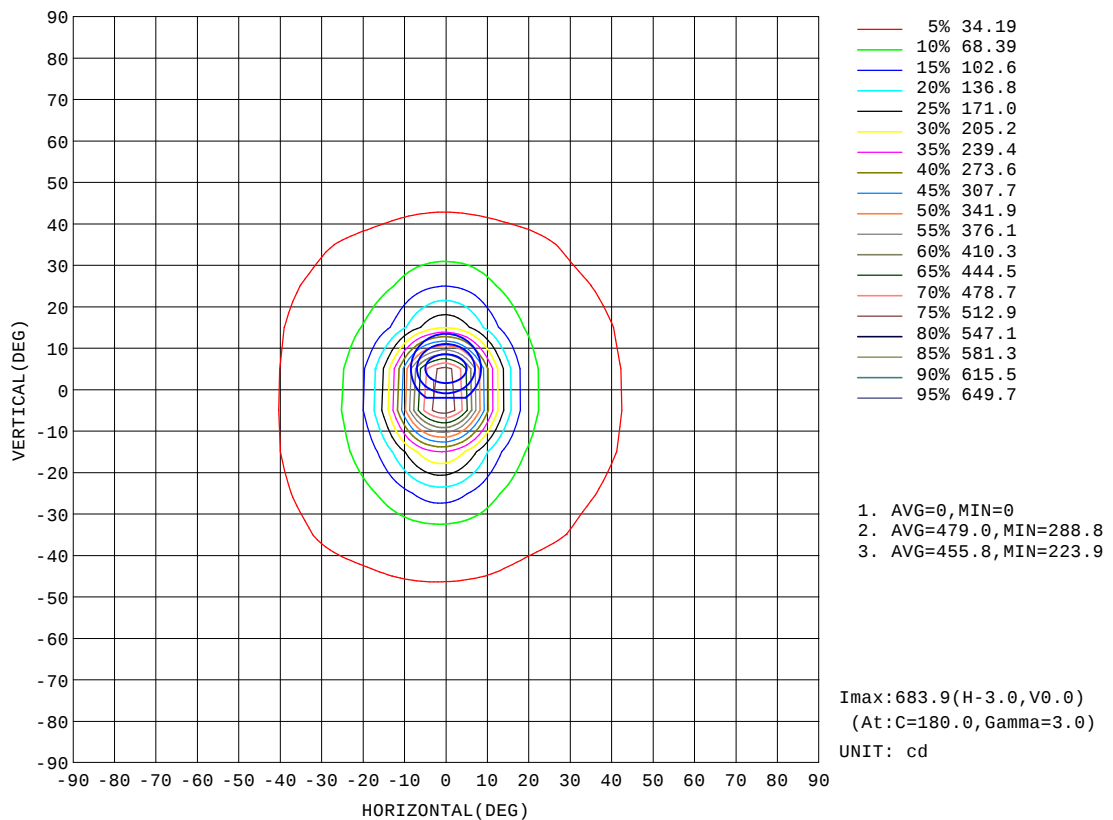
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	78	70	66	78	70	66	77	70	65	61
0.80	87	79	75	86	79	75	85	78	74	70
1.00	93	86	81	92	86	81	90	86	81	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	91	100	95	91	98	93	90	85
2.00	105	100	96	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	96	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	104	106	104	102	94
5.00	114	111	108	111	109	107	107	105	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:7.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

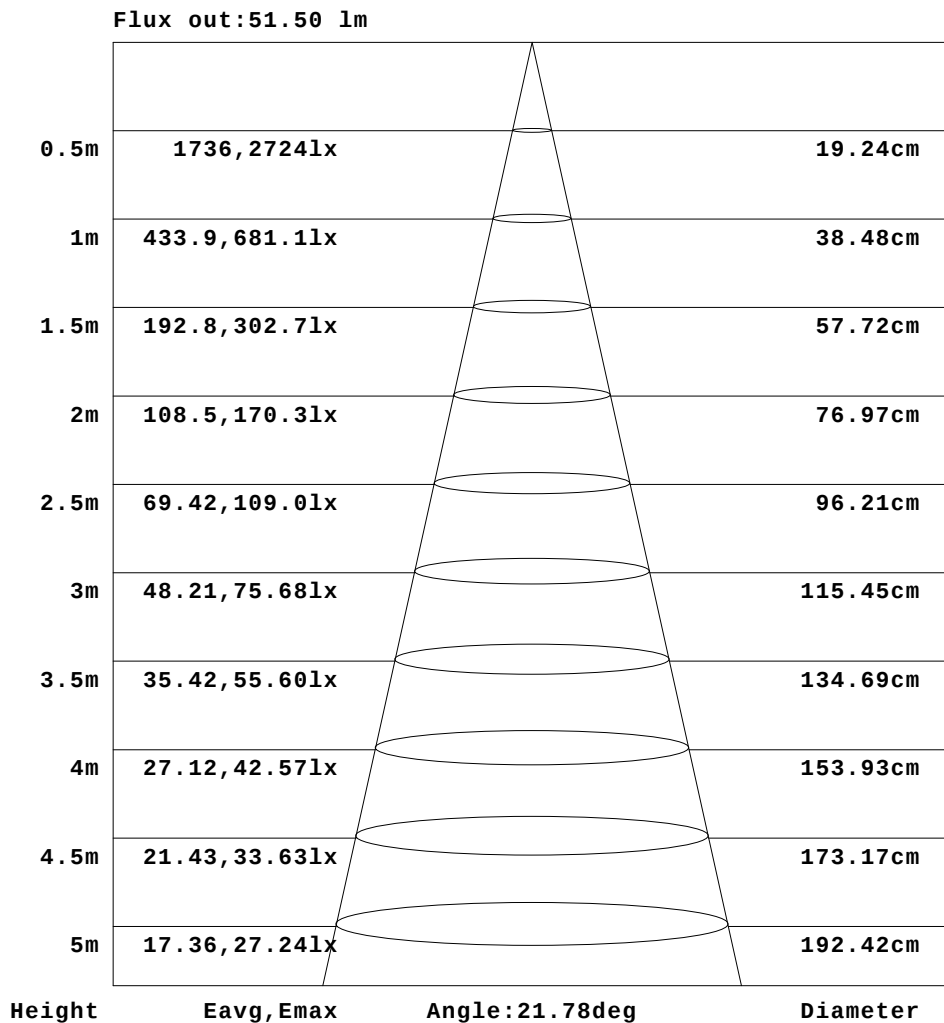


H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-20

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:7.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



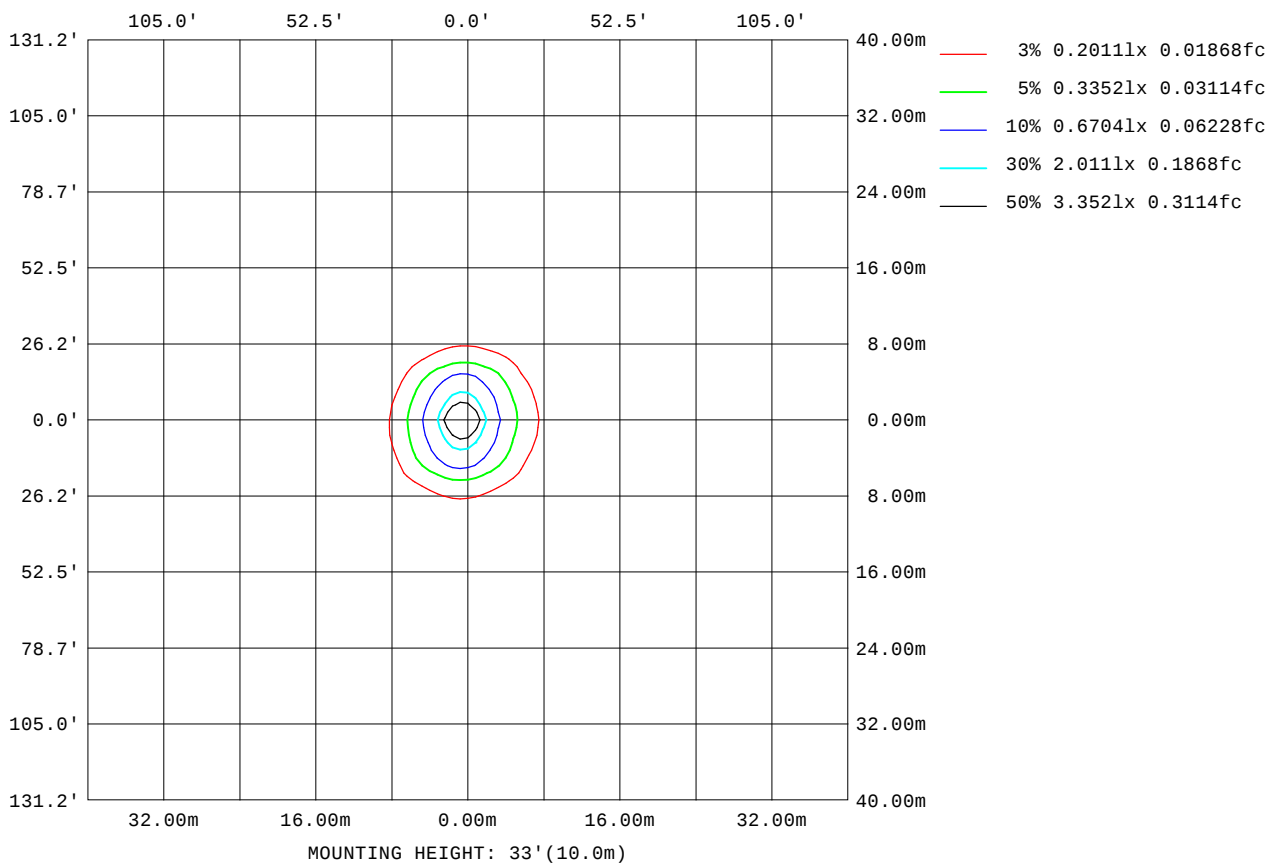
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:7.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	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: 7.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.35V I:0.0450A P:4.6491W PF:0.4687 Freq:50.00Hz Lamp Flux:214.533x1 lm		
NAME: 6848-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

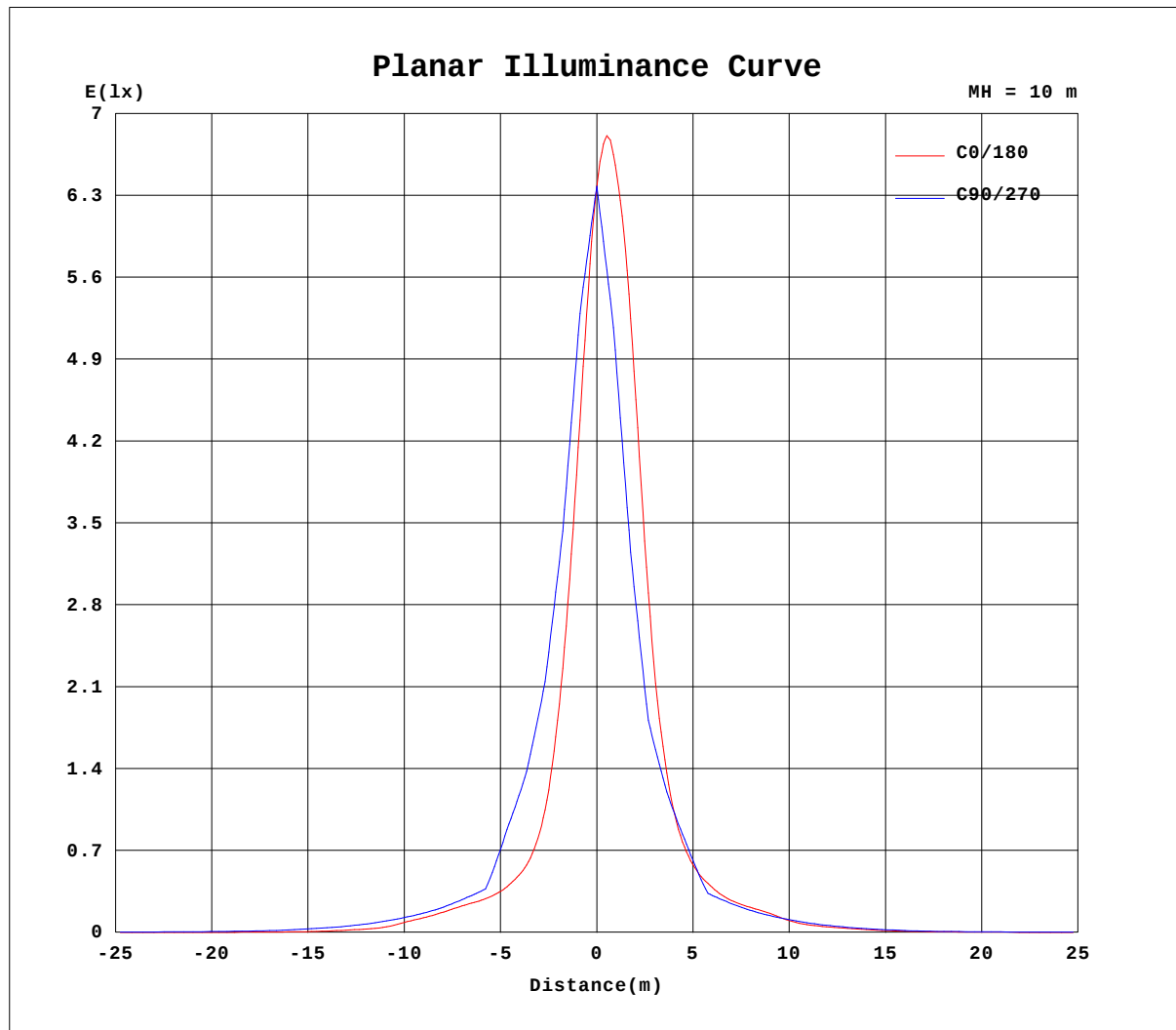
AvgL	cd/m2
L_0~180(65)av	70
L_0~180(75)av	54
L_0~180(85)av	102
L_90~270(65)av	184
L_90~270(75)av	92
L_90~270(85)av	0
L_45(65)av	121
L_45(75)av	63
L_45(85)av	0

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:7.000m [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: 7.000m [K=1.0000]
Remarks:

