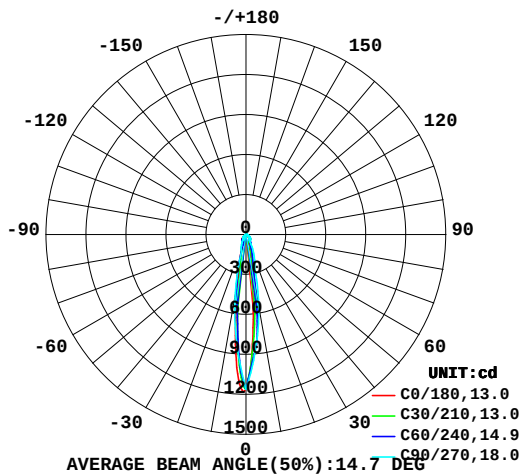


LUMINAIRE PHOTOMETRIC TEST REPORT

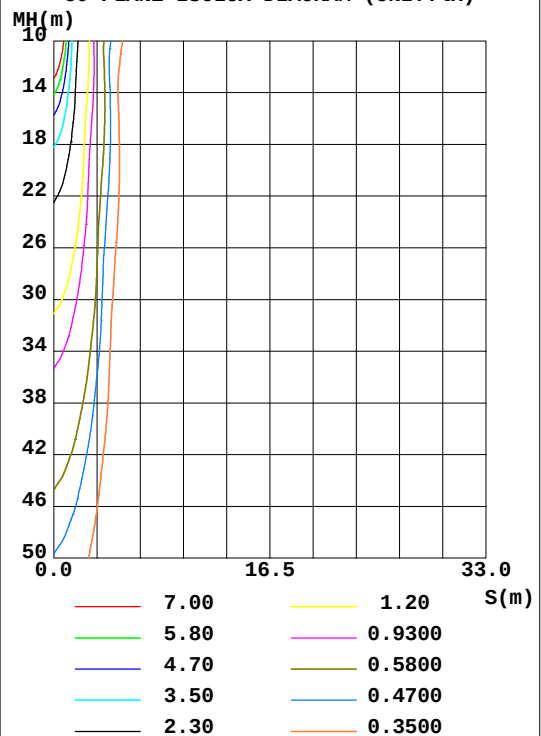
Test:U:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.93 lm/W			
MODEL		I _{max} (cd)	1182	S/MH(C0/180)	0.26
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.29
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	228.76	h UP, DN(C0-180)	0.0,52.6
NOMINAL FLUX(lm)	228.759	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,47.4
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: 2026-08-17

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	259.7	386.1	555.1	352.5	375.4	314.2	478.3	359.1	0- 10	60.58	60.58	26.5, 26.5
20	76.50	103.7	185.1	89.81	90.24	74.29	107.7	80.88	10- 20	51.23	111.8	48.9, 48.9
30	46.91	52.19	52.69	53.15	48.44	53.74	50.77	54.31	20- 30	32.69	144.5	63.2, 63.2
40	43.34	42.05	43.39	46.96	45.16	46.35	37.58	44.67	30- 40	28.78	173.3	75.7, 75.7
50	23.96	26.76	30.64	28.36	28.04	26.51	24.16	23.54	40- 50	26.16	199.4	87.2, 87.2
60	11.88	14.15	14.46	14.71	13.11	13.10	10.53	11.77	50- 60	16.95	216.4	94.6, 94.6
70	4.477	6.120	6.807	6.331	5.003	4.848	5.039	4.595	60- 70	8.716	225.1	98.4, 98.4
80	1.723	1.596	0	1.504	1.817	1.405	0	1.414	70- 80	3.208	228.3	99.8, 99.8
90	1.222	0	0	0	1.171	0	0	0	80- 90	0.4454	228.8	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): 187.39 lm

%lum = 81.9%

%lamp = 81.9%

Conical surface Flux(120deg): 216.39 lm

%lum = 94.6%

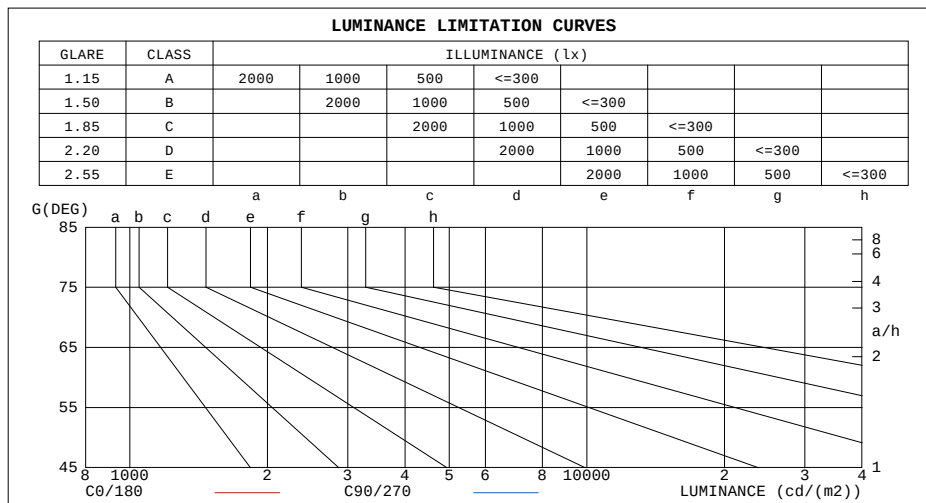
%lamp = 94.6%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	152	0
80	99	0
75	98	115
70	131	199
65	188	252
60	238	289
55	310	392
50	373	477
45	469	545

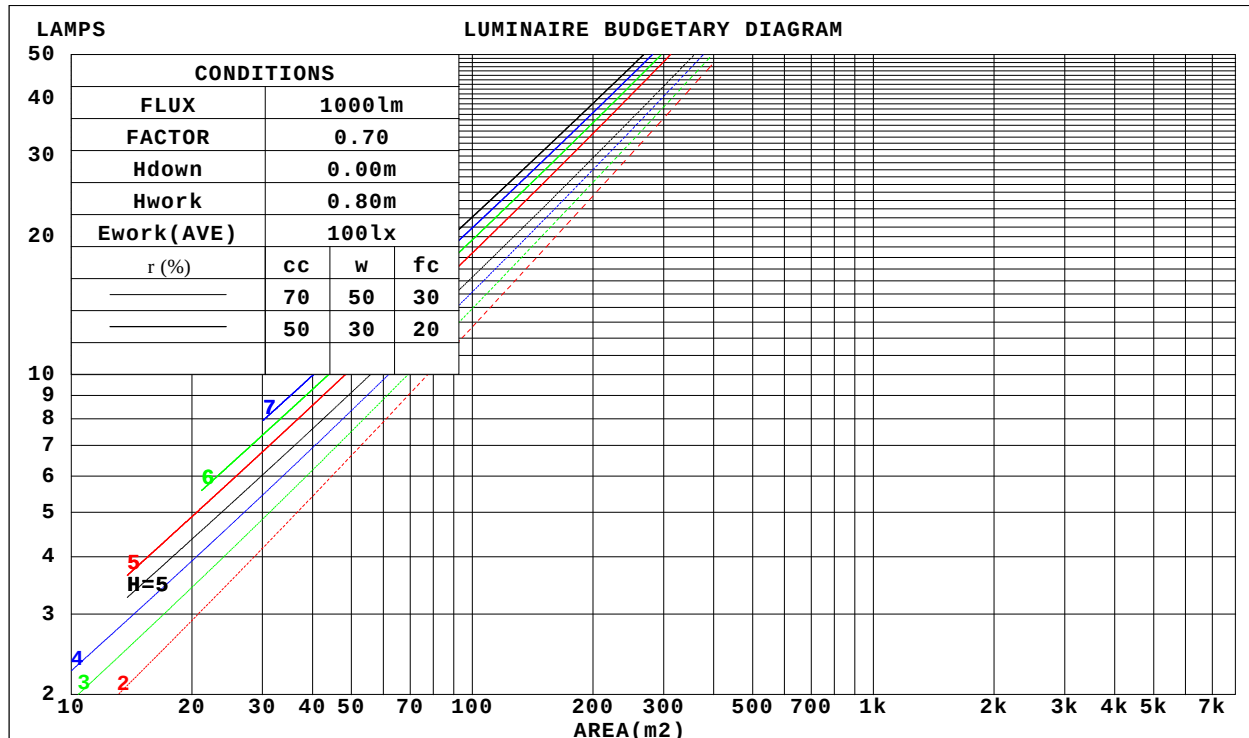
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	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	.00
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.02	.97	.94	.90	.96	.92	.97	.93	.90	.94	.91	.88	.91	.89	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.83	.80	.78
4.0	.88	.82	.78	.87	.81	.77	.85	.80	.76	.83	.79	.75	.81	.77	.75	.73
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.68
6.0	.78	.72	.68	.77	.71	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.74	.68	.64	.73	.68	.64	.72	.67	.63	.71	.66	.63	.70	.66	.62	.61
8.0	.70	.64	.60	.70	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
9.0	.67	.61	.58	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	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 Wall Exitance Coefficients(WEC)															
0.0																
1.0	.194	.110	.035	.187	.107	.034	.174	.100	.032	.163	.094	.030	.152	.088	.028	
2.0	.185	.102	.031	.180	.099	.030	.169	.094	.029	.159	.089	.028	.150	.085	.027	
3.0	.174	.093	.028	.170	.091	.027	.160	.087	.026	.152	.083	.026	.144	.080	.025	
4.0	.164	.085	.025	.159	.083	.025	.152	.080	.024	.144	.077	.023	.137	.075	.023	
5.0	.154	.078	.023	.150	.077	.022	.143	.074	.022	.137	.072	.021	.131	.070	.021	
6.0	.144	.072	.021	.141	.071	.021	.135	.069	.020	.129	.067	.020	.124	.065	.019	
7.0	.136	.067	.019	.133	.066	.019	.128	.065	.019	.123	.063	.018	.118	.061	.018	
8.0	.128	.063	.018	.126	.062	.018	.121	.061	.017	.117	.059	.017	.112	.058	.017	
9.0	.121	.059	.016	.119	.058	.016	.115	.057	.016	.111	.056	.016	.107	.054	.016	
10.0	.115	.055	.015	.113	.055	.015	.109	.054	.015	.106	.053	.015	.102	.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	.085	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.136	.099	.071	.117	.086	.062	.080	.060	.043	.046	.035	.026	.015	.011	.008	
5.0	.127	.088	.059	.109	.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	.036	.023	.013	.012	.008	.004	
9.0	.100	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.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: 2026-08-17

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm											
NAME: 6842-5W-2700K					TYPE:			WEIGHT:			
SPEC.:					DIM.: 70*70*100mm			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	11.8	12.8	12.1	13.0	13.2	12.4	13.4	12.6	13.5	13.7	
	3H	12.3	13.2	12.6	13.4	13.6	13.0	13.9	13.3	14.1	14.3
	4H	12.4	13.2	12.6	13.5	13.7	13.1	14.0	13.4	14.2	14.4
	6H	12.4	13.2	12.7	13.5	13.7	13.1	13.9	13.4	14.1	14.4
	8H	12.4	13.2	12.7	13.5	13.7	13.0	13.8	13.3	14.1	14.3
	12H	12.5	13.2	12.8	13.5	13.8	13.0	13.7	13.3	14.0	14.3
4H	2H	12.2	13.0	12.4	13.2	13.5	12.6	13.5	12.9	13.7	13.9
	3H	12.7	13.5	13.0	13.7	14.0	13.4	14.1	13.7	14.4	14.7
	4H	12.8	13.5	13.2	13.8	14.1	13.5	14.2	13.9	14.5	14.8
	6H	12.9	13.5	13.3	13.9	14.2	13.5	14.1	13.9	14.4	14.8
	8H	13.0	13.6	13.4	13.9	14.3	13.4	14.0	13.8	14.4	14.7
	12H	13.1	13.6	13.5	14.0	14.3	13.4	13.9	13.8	14.3	14.7
8H	4H	12.9	13.5	13.3	13.8	14.2	13.5	14.1	13.9	14.5	14.8
	6H	13.1	13.5	13.5	13.9	14.3	13.5	14.0	13.9	14.4	14.8
	8H	13.2	13.6	13.6	14.0	14.4	13.5	13.9	13.9	14.3	14.7
	12H	13.3	13.7	13.8	14.1	14.6	13.4	13.8	13.9	14.2	14.7
12H	4H	12.8	13.4	13.3	13.7	14.1	13.5	14.0	13.9	14.4	14.8
	6H	13.0	13.4	13.5	13.8	14.3	13.5	13.9	13.9	14.3	14.8
	8H	13.1	13.5	13.6	13.9	14.4	13.4	13.8	13.9	14.2	14.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 1.0					+ 0.4 / - 0.5					
1.5H	+ 0.5 / - 0.7					+ 0.6 / - 0.4					
2.0H	+ 1.6 / - 1.5					+ 1.6 / - 1.9					

CIE Pub.117, 228.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.1)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

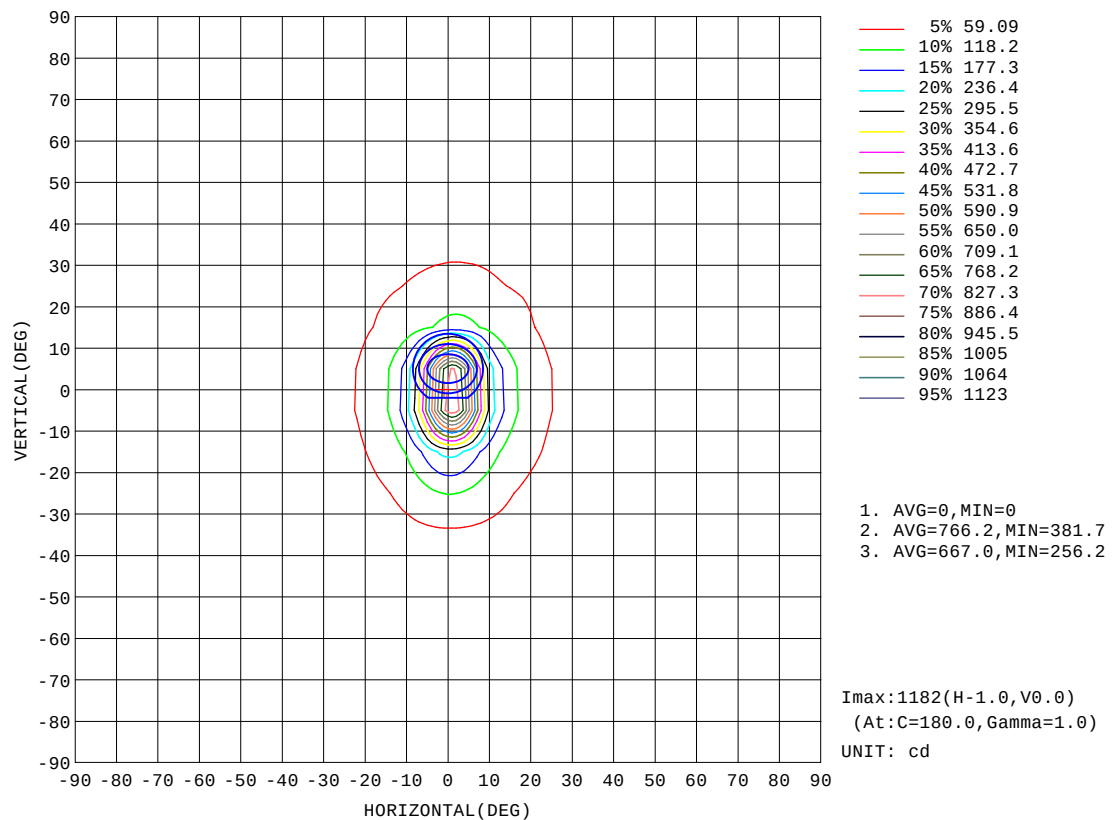
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	76	68	63	76	68	63	75	67	63	58
0.80	85	77	72	84	77	72	83	76	72	67
1.00	91	84	79	90	83	79	89	84	78	73
1.25	97	90	85	95	89	85	93	88	84	79
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	95	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
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:2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

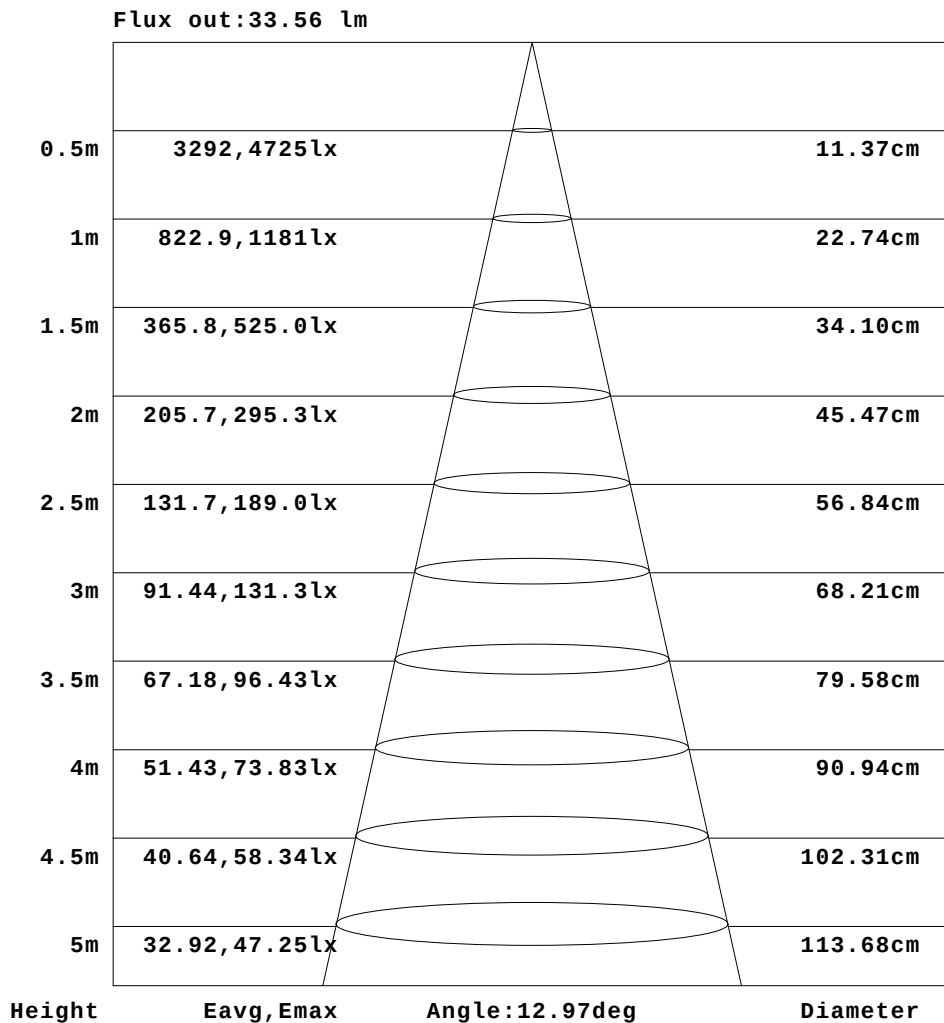


H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°



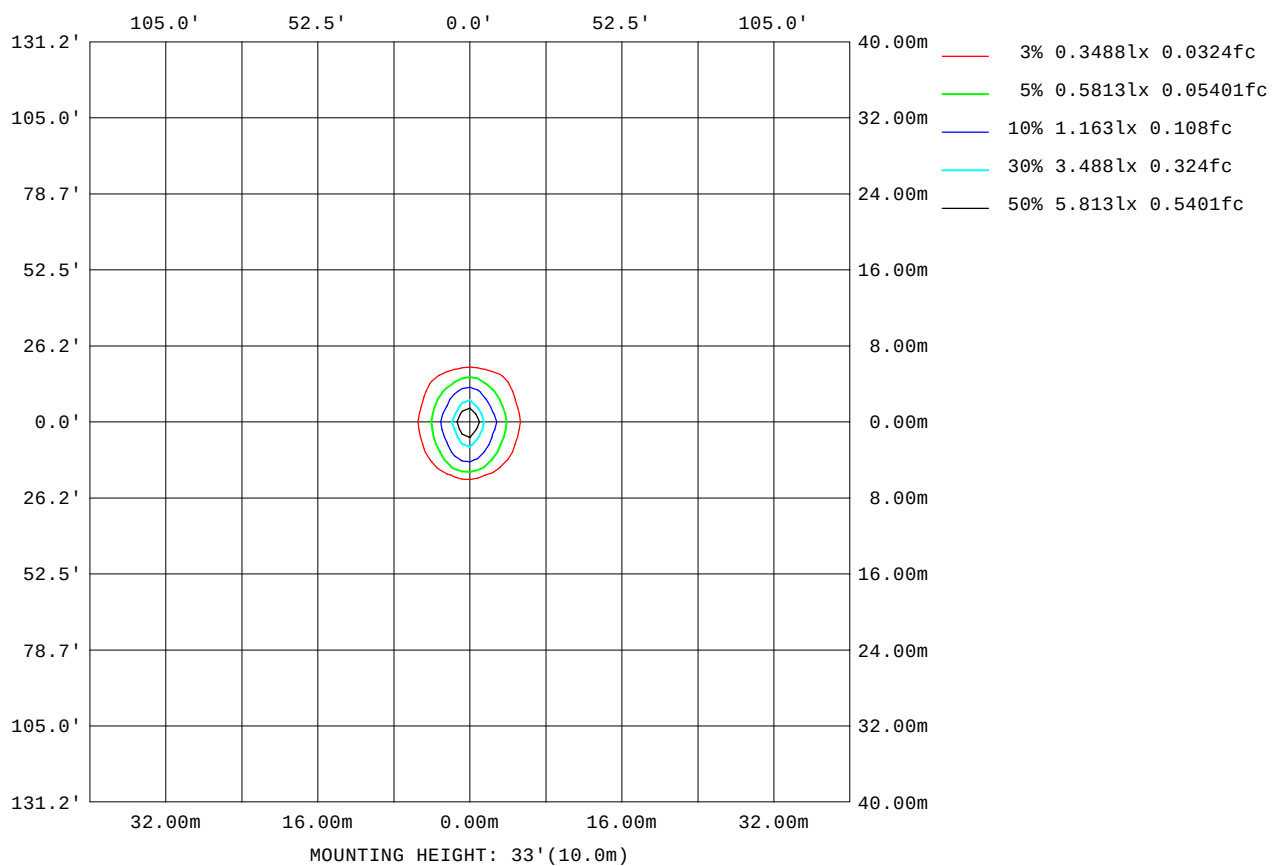
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	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: 2026-08-17

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:220.37V I:0.0434A P:4.6753W PF:0.4891 Freq:50.00Hz Lamp Flux:228.759x1 lm		
NAME: 6842-5W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 70*70*100mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

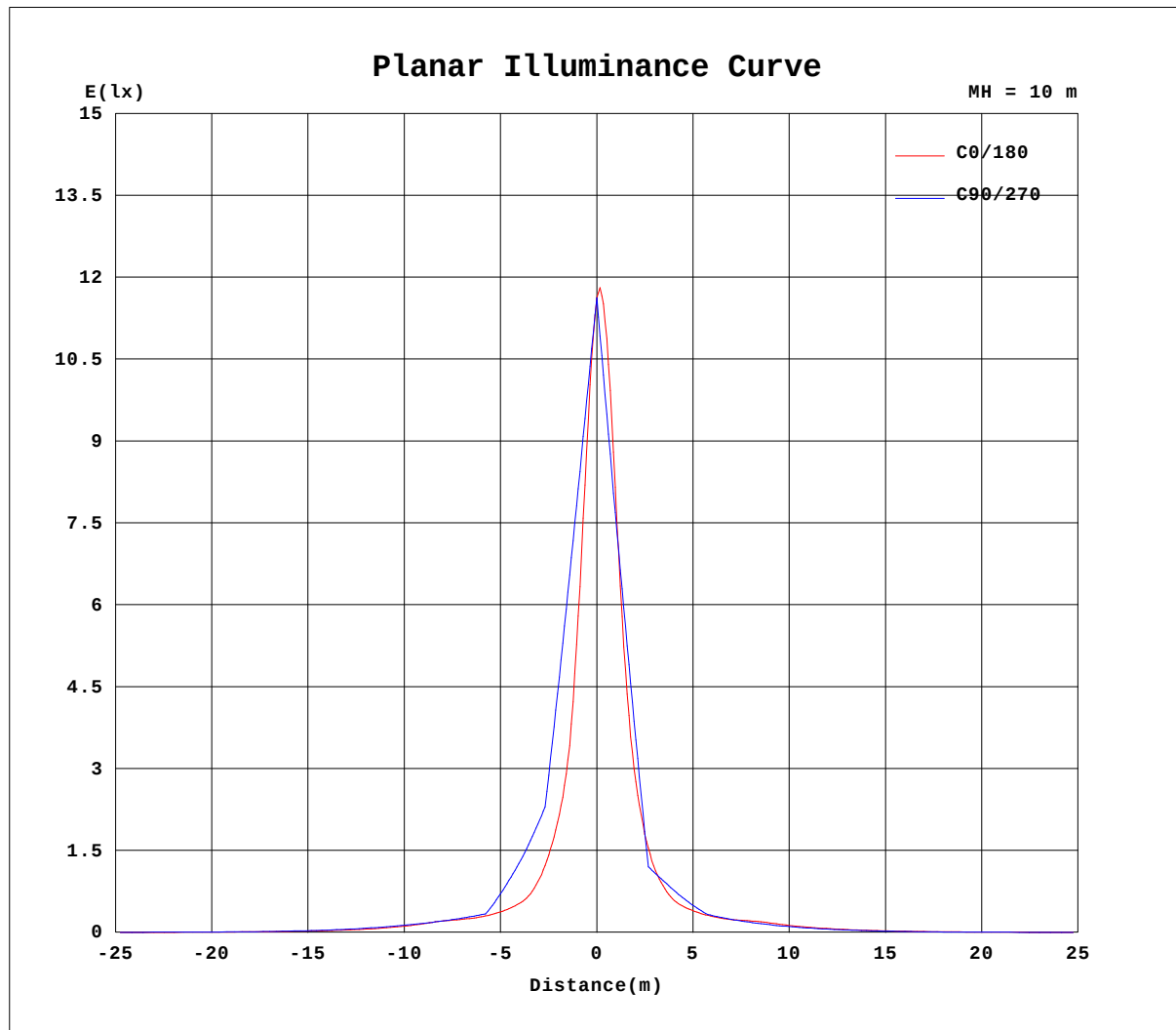
AvgL	cd/m2
L_0~180(65)av	198
L_0~180(75)av	100
L_0~180(85)av	154
L_90~270(65)av	218
L_90~270(75)av	102
L_90~270(85)av	0
L_45(65)av	208
L_45(75)av	132
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-17

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: 2026-08-17

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:

