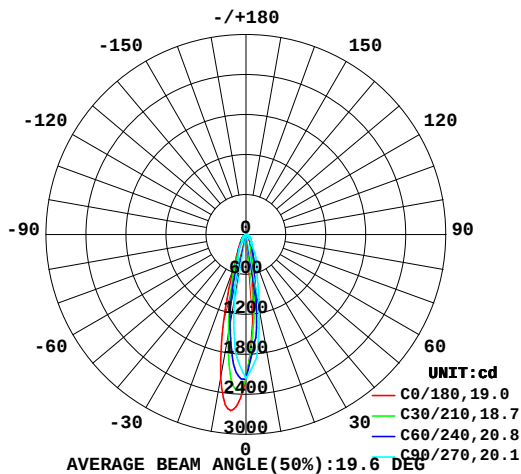


LUMINAIRE PHOTOMETRIC TEST REPORT

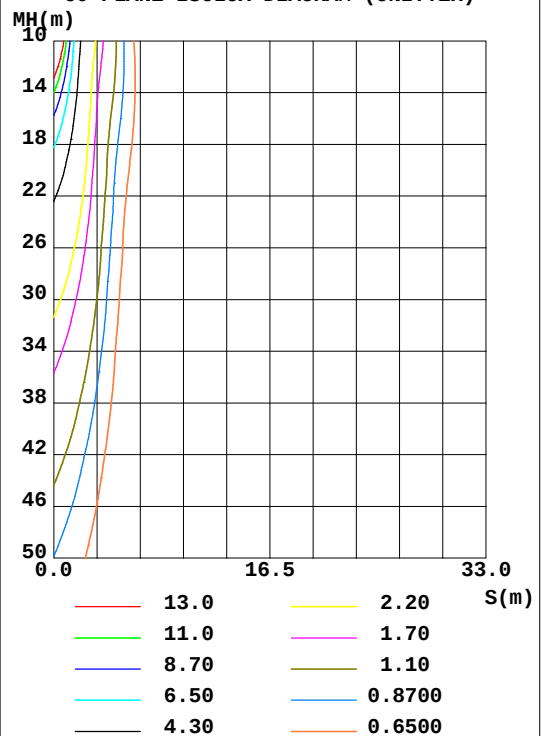
Test:U:220.35V I:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 63.01 lm/W			
MODEL		I _{max} (cd)	2650	S/MH(C0/180)	0.50
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	623.43	h UP, DN(C0-180)	0.0,51.9
NOMINAL FLUX(lm)	623.427	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,48.1
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	562.3	785.6	1132	1557	2186	1482	1026	750.6	0- 10	151.4	151.4	24.3, 24.3
20	218.4	283.2	464.1	435.5	582.4	372.0	347.5	249.7	10- 20	179.6	330.9	53.1, 53.1
30	113.5	143.3	162.7	202.9	210.3	178.8	130.8	123.4	20- 30	111.1	442.0	70.9, 70.9
40	65.94	79.72	100.5	97.16	112.6	92.20	84.53	67.89	30- 40	72.66	514.7	82.6, 82.6
50	38.15	48.60	58.23	59.10	67.30	59.38	47.43	37.79	40- 50	52.15	566.9	90.9, 90.9
60	7.990	27.79	35.84	35.98	21.59	36.48	19.50	18.64	50- 60	34.25	601.1	96.4, 96.4
70	2.433	7.542	21.35	15.31	4.121	14.33	12.10	4.957	60- 70	16.08	617.2	99, 99
80	1.891	1.267	0	1.668	2.171	1.630	0	1.397	70- 80	5.767	622.9	99.9, 99.9
90	1.498	0	0	0	1.540	0	0	0	80- 90	0.4787	623.4	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): 543.15 lm

%lum = 87.1%

%lamp = 87.1%

Conical surface Flux(120deg): 601.11 lm

%lum = 96.4%

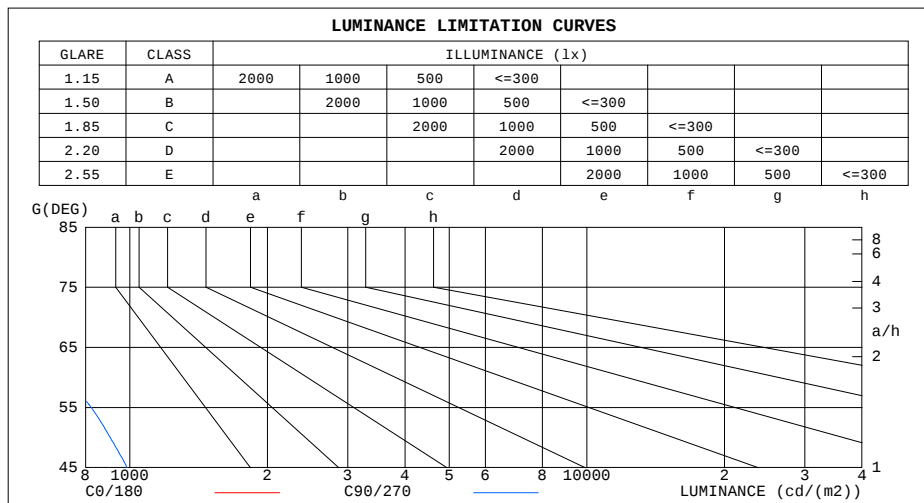
%lamp = 96.4%

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:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	179	0
80	109	0
75	74	552
70	71	624
65	81	680
60	160	717
55	385	824
50	594	906
45	724	986

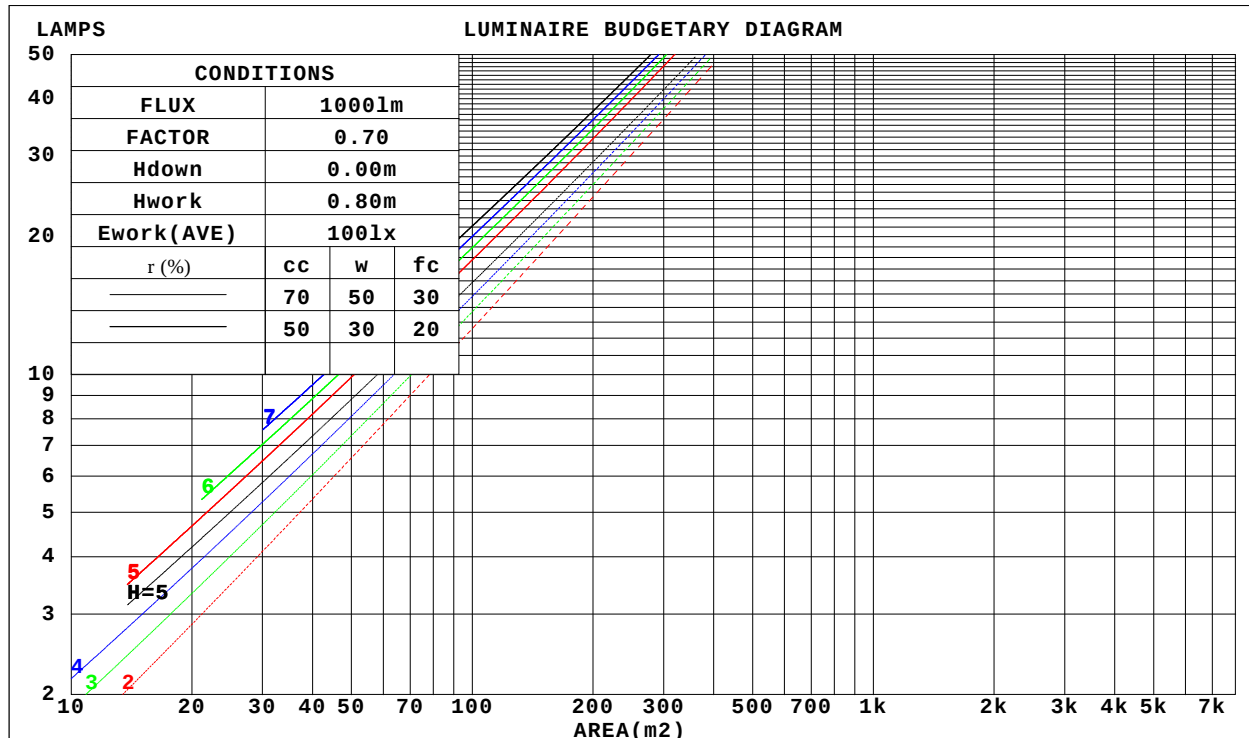
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

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:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	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	.00
1.0	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.87
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.90	.86	.84	.87	.85	.82	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.71
6.0	.81	.75	.71	.80	.74	.70	.78	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.66	.74	.69	.66	.72	.69	.66	.64
8.0	.73	.67	.64	.72	.67	.63	.71	.67	.63	.70	.66	.63	.69	.66	.63	.61
9.0	.70	.64	.61	.69	.64	.61	.68	.64	.60	.68	.63	.60	.67	.63	.60	.59
10.0	.67	.62	.58	.67	.61	.58	.66	.61	.58	.65	.61	.58	.64	.60	.58	.56



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:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm					
NAME: 6849-10W-2700K			TYPE:		WEIGHT:
SPEC.:			DIM.: 105*105*105mm		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	.181	.103	.033	.174	.099	.032	.161	.093	.030	.150	.086	.028	.139	.081	.026	
2.0	.172	.095	.029	.167	.092	.028	.156	.087	.027	.146	.082	.026	.137	.078	.024	
3.0	.163	.087	.026	.158	.085	.025	.149	.081	.025	.140	.077	.024	.133	.073	.023	
4.0	.153	.080	.023	.149	.078	.023	.141	.075	.022	.134	.072	.022	.127	.069	.021	
5.0	.144	.073	.021	.141	.072	.021	.134	.070	.021	.128	.067	.020	.122	.065	.020	
6.0	.136	.068	.020	.133	.067	.019	.127	.065	.019	.121	.063	.019	.116	.061	.018	
7.0	.129	.064	.018	.126	.063	.018	.121	.061	.018	.116	.059	.017	.111	.058	.017	
8.0	.122	.060	.017	.119	.059	.017	.115	.057	.016	.111	.056	.016	.106	.055	.016	
9.0	.116	.056	.016	.114	.055	.016	.110	.054	.015	.106	.053	.015	.102	.052	.015	
10.0	.110	.053	.015	.108	.052	.015	.105	.051	.014	.101	.050	.014	.098	.049	.014	

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	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.123	.098	.078	.085	.068	.054	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.079	.060	.044	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.088	.055	.032	.061	.039	.023	.036	.023	.014	.012	.007	.004	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.079	.047	.025	.055	.033	.017	.032	.019	.010	.010	.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:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm											
NAME: 6849-10W-2700K						TYPE:		WEIGHT:			
SPEC.:						DIM.: 105*105*105mm		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	8.1	9.0	8.3	9.2	9.3	10.9	11.8	11.1	11.9	12.1	
	3H	8.0	8.8	8.2	9.0	9.2	11.9	12.8	12.2	13.0	13.2
	4H	7.9	8.7	8.2	8.9	9.2	12.3	13.1	12.6	13.3	13.6
	6H	7.9	8.6	8.2	8.9	9.1	12.3	13.1	12.6	13.3	13.6
	8H	7.9	8.6	8.2	8.8	9.1	12.3	13.0	12.6	13.3	13.5
	12H	7.9	8.6	8.2	8.8	9.1	12.2	13.0	12.6	13.2	13.5
4H	2H	8.6	9.4	8.9	9.6	9.9	11.0	11.8	11.3	12.1	12.3
	3H	8.5	9.2	8.8	9.5	9.8	12.2	12.9	12.5	13.1	13.4
	4H	8.4	9.1	8.8	9.4	9.7	12.6	13.2	12.9	13.5	13.8
	6H	8.4	9.0	8.8	9.3	9.6	12.6	13.2	13.0	13.5	13.9
	8H	8.4	8.9	8.8	9.3	9.6	12.6	13.1	12.9	13.4	13.8
	12H	8.4	8.9	8.8	9.3	9.6	12.5	13.0	12.9	13.4	13.7
8H	4H	8.5	9.0	8.9	9.4	9.7	12.5	13.0	12.8	13.3	13.7
	6H	8.5	8.9	8.9	9.3	9.7	12.5	12.9	12.9	13.3	13.7
	8H	8.5	8.9	8.9	9.3	9.7	12.4	12.8	12.9	13.2	13.7
	12H	8.5	8.9	9.0	9.3	9.8	12.4	12.7	12.8	13.1	13.6
12H	4H	8.4	8.9	8.9	9.3	9.7	12.4	12.9	12.8	13.3	13.6
	6H	8.4	8.8	8.9	9.2	9.7	12.4	12.8	12.9	13.2	13.7
	8H	8.4	8.8	8.9	9.2	9.7	12.4	12.7	12.8	13.1	13.6
Variations with the observer position at spacings:											
S = 1.0H	+ 1.0 / - 1.5					+ 0.4 / - 0.6					
1.5H	+ 0.4 / - 0.8					+ 0.7 / - 0.4					
2.0H	+ 2.0 / - 4.2					+ 0.8 / - 1.2					

CIE Pub.117, 623.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.6)
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: 7.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.35V I:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

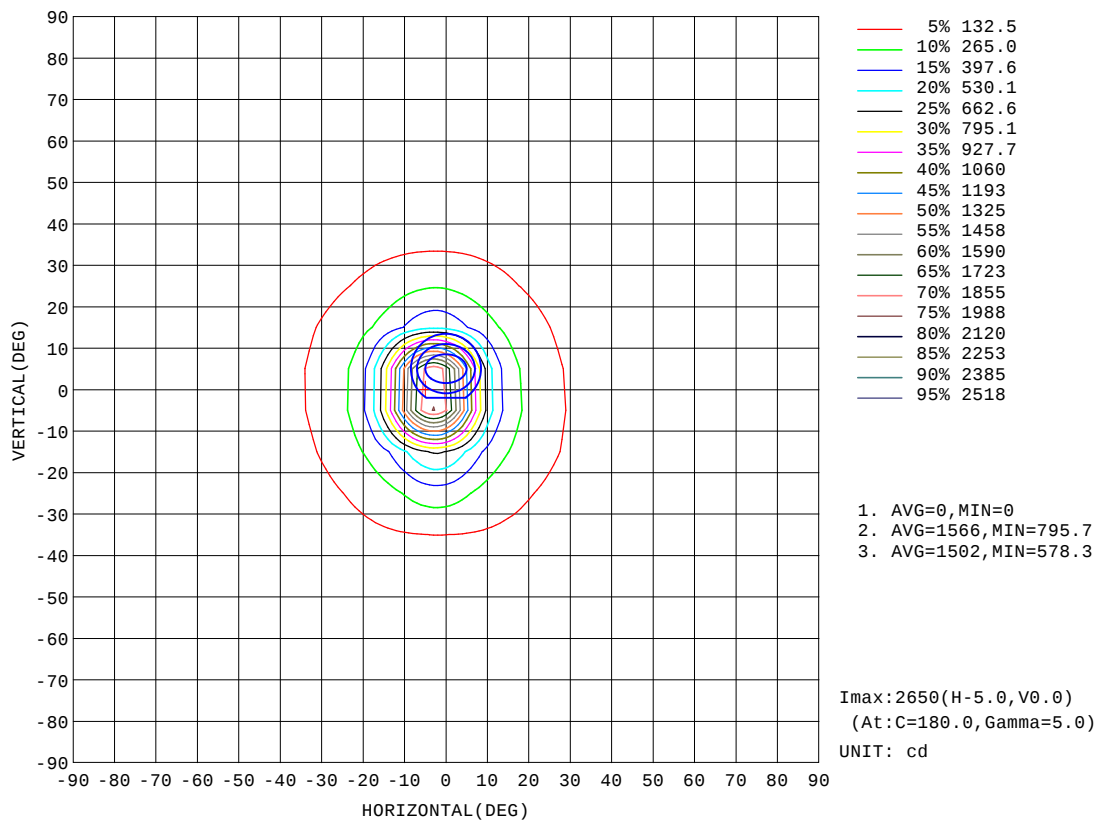
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	81	73	68	80	73	68	79	72	68	64
0.80	89	82	77	88	81	77	87	81	77	72
1.00	94	88	83	93	87	83	92	87	82	78
1.25	99	93	89	98	92	88	96	91	88	83
1.50	102	97	93	101	96	92	99	94	91	86
2.00	106	101	97	105	100	97	102	98	95	89
2.50	108	104	100	106	102	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	107	110	107	105	107	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:7.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.35V I:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



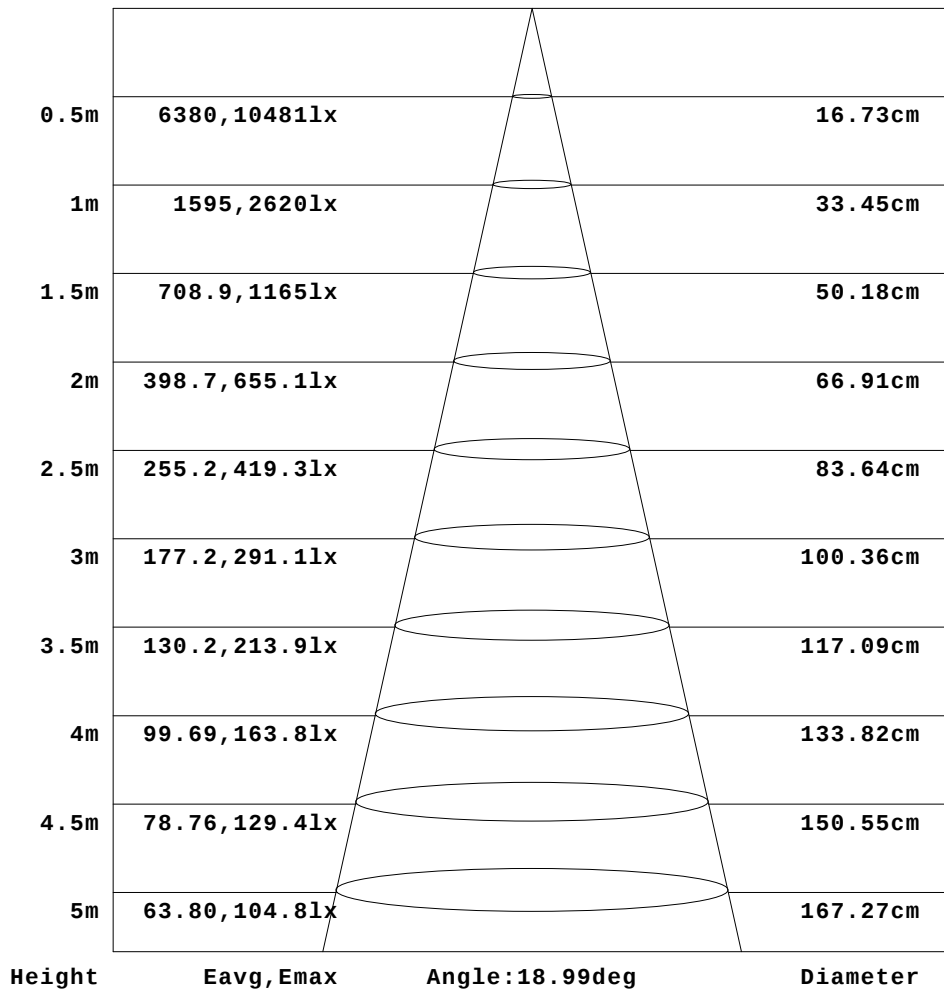
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-20

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:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:140.3 lm



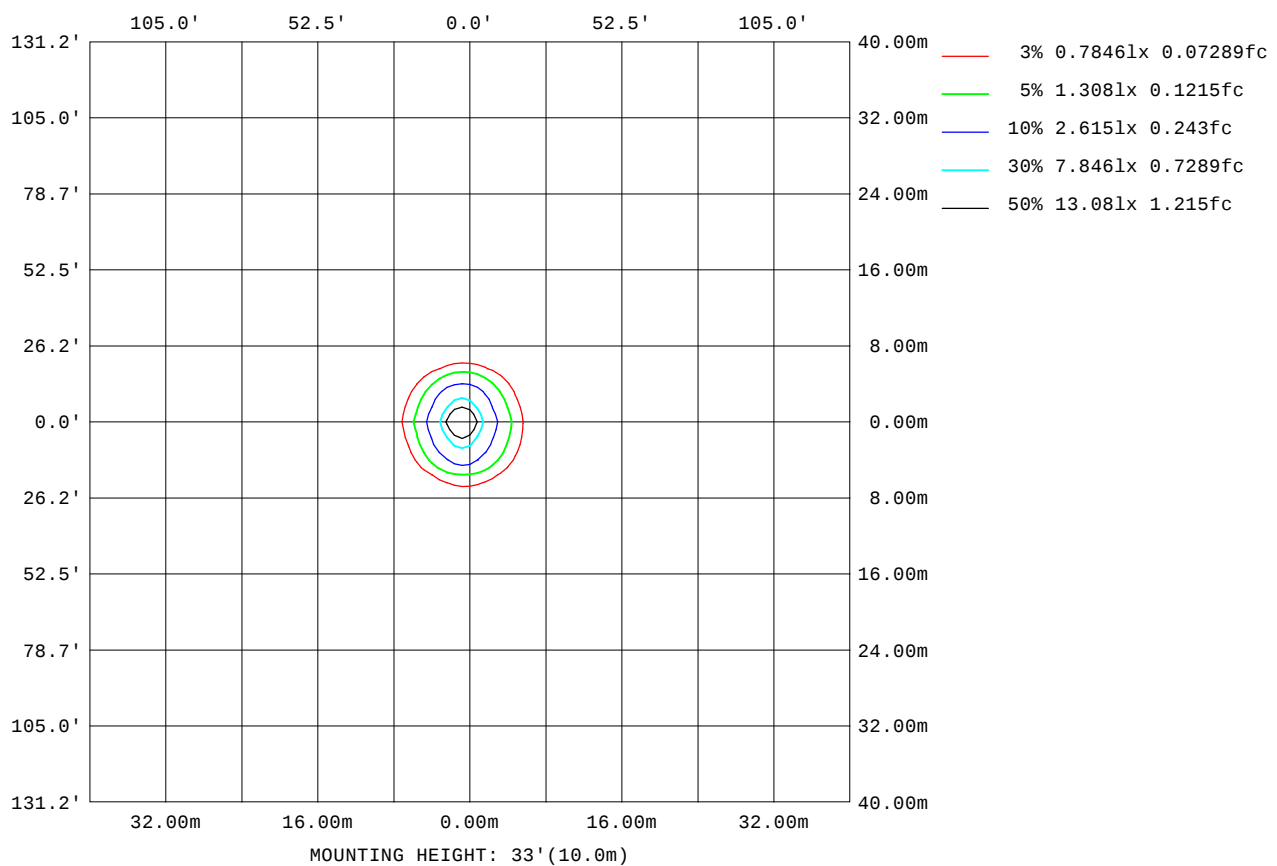
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:7.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.35V I:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	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:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

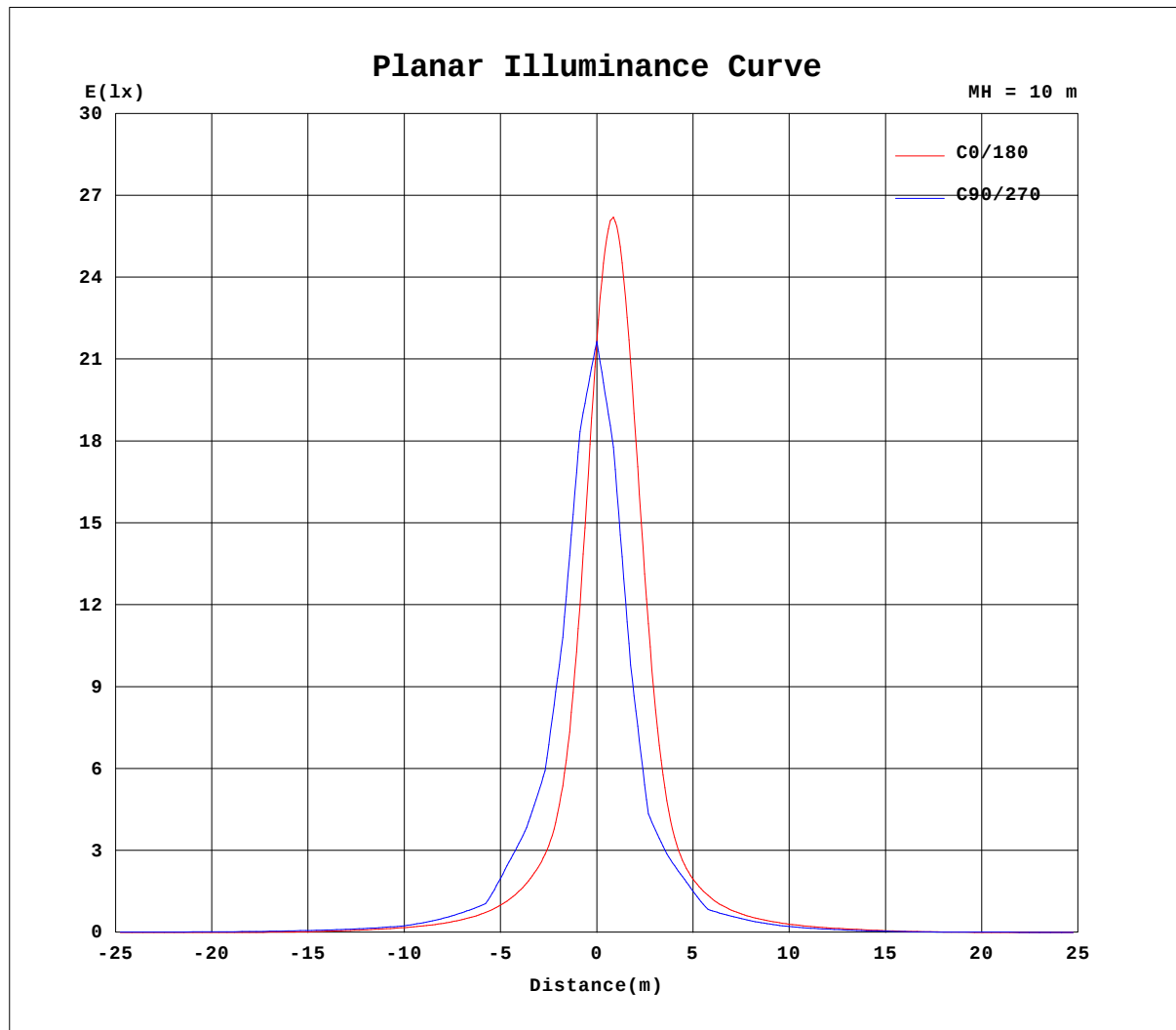
AvgL	cd/m2
L_0~180(65)av	144
L_0~180(75)av	99
L_0~180(85)av	193
L_90~270(65)av	525
L_90~270(75)av	432
L_90~270(85)av	0
L_45(65)av	468
L_45(75)av	197
L_45(85)av	0

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.35V I:0.0954A P:9.8942W PF:0.4709 Freq:50.00Hz Lamp Flux:623.427x1 lm		
NAME: 6849-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table - -2

UNIT: cd

[illegible]

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 GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

