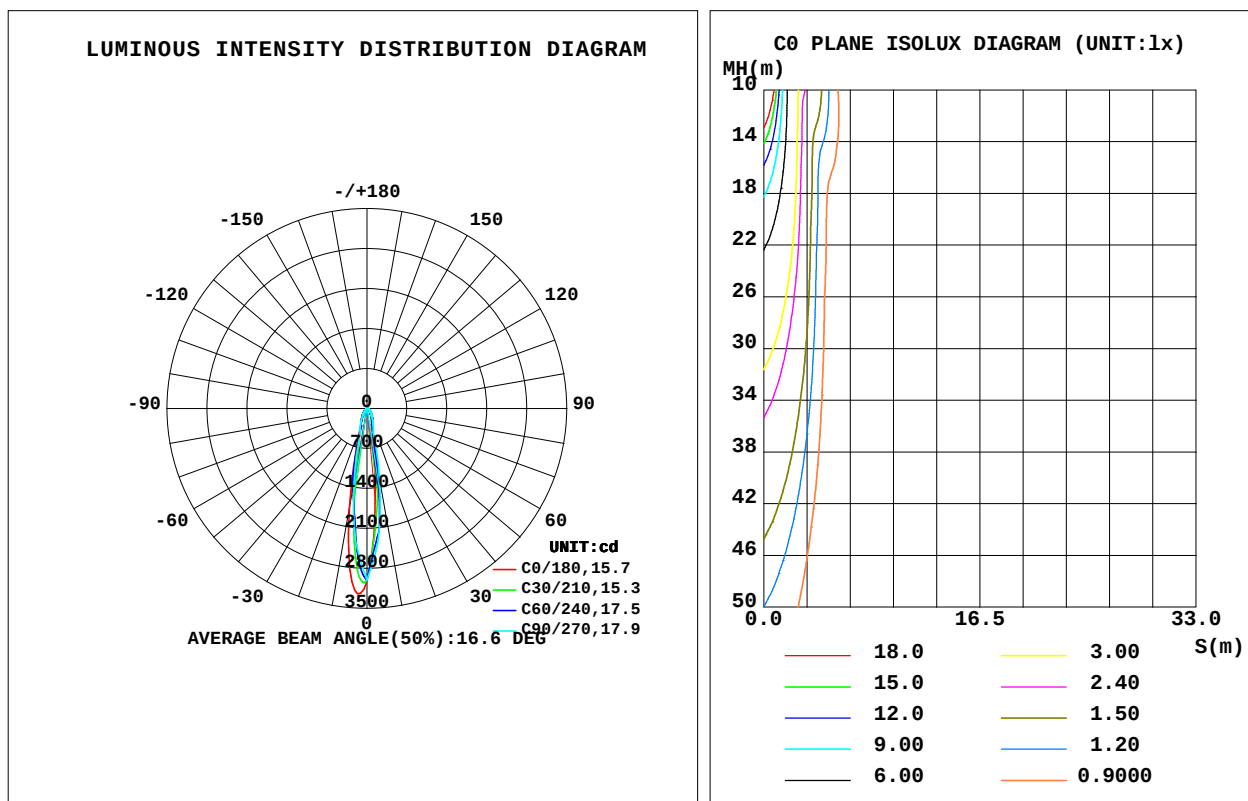


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm					
NAME: 6844-10W-2700K			TYPE:		WEIGHT:
SPEC.:			DIM.: 105*105*105mm		SERIAL No.:01
MFR.: NORDECOR			SUR.:		Shielding Angle:12°

DATA OF LAMP			PHOTOMETRIC DATA			Eff: 62.16 lm/W
MODEL			I _{max} (cd)	3247	S/MH(C0/180)	0.36
NOMINAL POWER(W)	10		LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	85-265V		TOTAL FLUX(lm)	613.21	h UP, DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	613.207		CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,50.0
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:2026-08-18

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:6.800m [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	650.6	1060	1275	1230	1783	1235	1305	1078	0- 10	178.4	178.4	29.1, 29.1
20	247.7	261.1	327.2	312.3	343.4	289.0	352.9	285.9	10- 20	152.6	331.0	54, 54
30	132.5	150.4	160.7	186.1	191.2	168.3	149.8	151.8	20- 30	101.5	432.5	70.5, 70.5
40	72.94	77.31	98.09	98.75	106.0	89.70	88.34	73.82	30- 40	74.53	507.0	82.7, 82.7
50	39.75	41.16	53.31	54.67	55.74	48.41	46.23	41.08	40- 50	49.74	556.7	90.8, 90.8
60	21.95	21.97	26.34	29.44	30.00	22.50	23.49	23.26	50- 60	31.13	587.8	95.9, 95.9
70	9.864	10.75	13.88	15.17	15.62	7.353	11.83	11.85	60- 70	17.64	605.5	98.7, 98.7
80	2.424	2.678	0	3.259	4.269	2.088	0	2.747	70- 80	7.089	612.6	99.9, 99.9
90	1.312	0	0	0	1.267	0	0	0	80- 90	0.6253	613.2	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): 534.81 lm

%lum = 87.2%

%lamp = 87.2%

Conical surface Flux(120deg): 587.85 lm

%lum = 95.9%

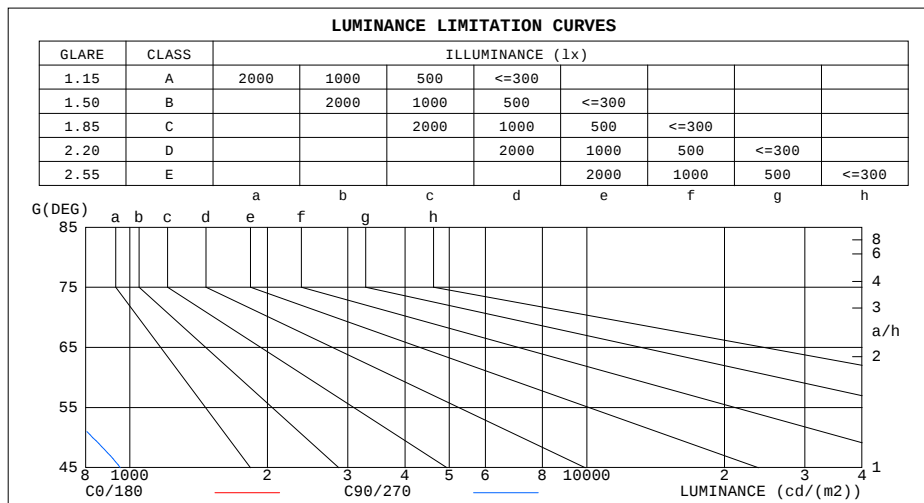
%lamp = 95.9%

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:6.800m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm		
NAME: 6844-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	173	0
80	140	0
75	202	298
70	288	406
65	367	484
60	439	527
55	516	704
50	618	829
45	762	954

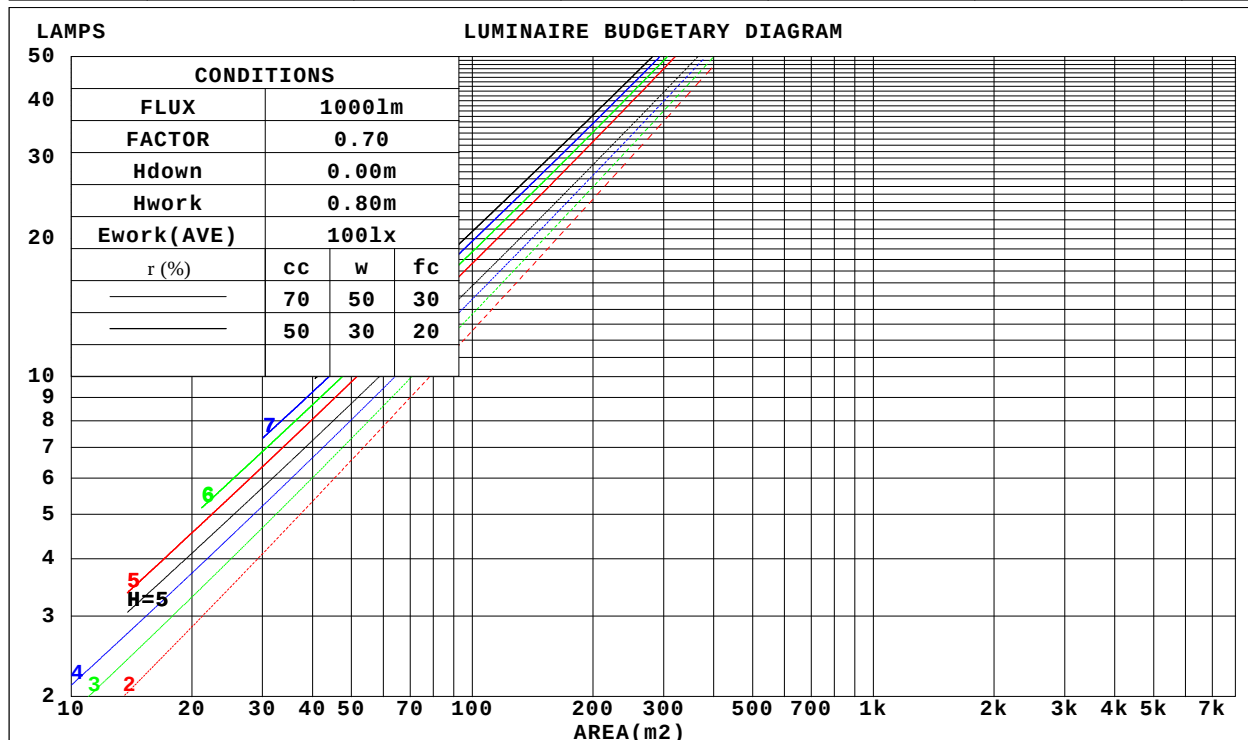
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-18

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: 6.800m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm		
NAME: 6844-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	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	1.11	1.08	1.06	1.09	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.92	.95	.93	.91	.92	.90	.89	.87
3.0	.96	.92	.88	.95	.91	.87	.92	.89	.86	.90	.87	.84	.88	.85	.83	.81
4.0	.91	.85	.81	.90	.85	.81	.87	.83	.80	.85	.82	.79	.84	.81	.78	.77
5.0	.86	.80	.76	.85	.80	.76	.83	.79	.75	.81	.77	.74	.80	.76	.74	.72
6.0	.81	.76	.72	.81	.75	.71	.79	.74	.71	.78	.74	.71	.76	.73	.70	.69
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.75	.70	.67	.73	.70	.67	.66
8.0	.74	.69	.65	.74	.68	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.63
9.0	.71	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
10.0	.68	.63	.60	.68	.63	.60	.67	.63	.60	.67	.62	.59	.66	.62	.59	.58



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: 6.800m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm					
NAME: 6844-10W-2700K			TYPE:		WEIGHT:
SPEC.:			DIM.: 105*105*105mm		SERIAL No.:01
MFR.: NORDECOR			SUR.:		Shielding Angle:12°

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			Wall Exitance Coefficients(WEC)												
0.0																
1.0	.179	.102	.032	.173	.099	.031	.160	.092	.029	.149	.086	.027	.138	.080	.026	
2.0	.171	.094	.029	.165	.091	.028	.155	.086	.027	.145	.081	.025	.136	.077	.024	
3.0	.161	.086	.026	.156	.083	.025	.147	.080	.024	.138	.076	.023	.131	.072	.022	
4.0	.151	.078	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.125	.068	.021	
5.0	.142	.072	.021	.138	.071	.021	.131	.068	.020	.125	.066	.020	.119	.064	.019	
6.0	.133	.067	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018	.114	.060	.018	
7.0	.126	.062	.018	.123	.061	.017	.118	.060	.017	.113	.058	.017	.109	.056	.017	
8.0	.119	.058	.016	.117	.057	.016	.112	.056	.016	.108	.055	.016	.104	.053	.016	
9.0	.113	.055	.015	.111	.054	.015	.107	.053	.015	.103	.052	.015	.099	.050	.015	
10.0	.107	.052	.014	.106	.051	.014	.102	.050	.014	.098	.049	.014	.095	.048	.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	.125	.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	.133	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.123	.087	.060	.106	.075	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.063	.037	.087	.055	.032	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.053	.029	.078	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.003	

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 GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 6.800m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm											
NAME: 6844-10W-2700K					TYPE:			WEIGHT:			
SPEC.:					DIM.: 105*105*105mm			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	8.9	9.8	9.1	9.9	10.1	9.8	10.7	10.0	10.9	11.0	
	3H	9.5	10.3	9.7	10.5	10.7	10.5	11.3	10.8	11.5	
	4H	9.6	10.4	9.9	10.6	10.8	10.7	11.5	11.0	11.7	
	6H	9.6	10.4	9.9	10.6	10.9	10.7	11.4	11.0	11.7	
	8H	9.6	10.4	9.9	10.6	10.9	10.6	11.4	10.9	11.6	
	12H	9.6	10.3	9.9	10.6	10.9	10.6	11.3	10.9	11.6	
4H	2H	9.1	9.9	9.4	10.1	10.4	10.0	10.7	10.2	11.0	
	3H	9.8	10.5	10.2	10.8	11.1	10.8	11.5	11.1	11.7	
	4H	10.1	10.7	10.4	11.0	11.3	11.0	11.7	11.4	12.0	
	6H	10.1	10.7	10.5	11.0	11.4	11.0	11.6	11.4	11.9	
	8H	10.1	10.7	10.5	11.0	11.4	11.0	11.5	11.4	11.9	
	12H	10.1	10.6	10.5	11.0	11.4	10.9	11.4	11.3	11.8	
8H	4H	10.1	10.6	10.5	11.0	11.4	11.0	11.6	11.4	11.9	
	6H	10.2	10.7	10.7	11.1	11.5	11.0	11.5	11.5	11.9	
	8H	10.3	10.6	10.7	11.1	11.5	11.0	11.4	11.4	11.8	
	12H	10.3	10.6	10.8	11.1	11.5	10.9	11.3	11.4	11.7	
12H	4H	10.1	10.5	10.5	10.9	11.3	11.0	11.5	11.4	11.9	
	6H	10.2	10.6	10.6	11.0	11.4	11.0	11.4	11.4	11.8	
	8H	10.2	10.6	10.7	11.0	11.5	10.9	11.3	11.4	11.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 1.2					+ 0.6 / - 0.8					
1.5H	+ 0.9 / - 0.9					+ 1.2 / - 0.9					
2.0H	+ 1.8 / - 1.1					+ 1.5 / - 1.7					

CIE Pub.117, 613.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.7)
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: 6.800m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm		
NAME: 6844-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

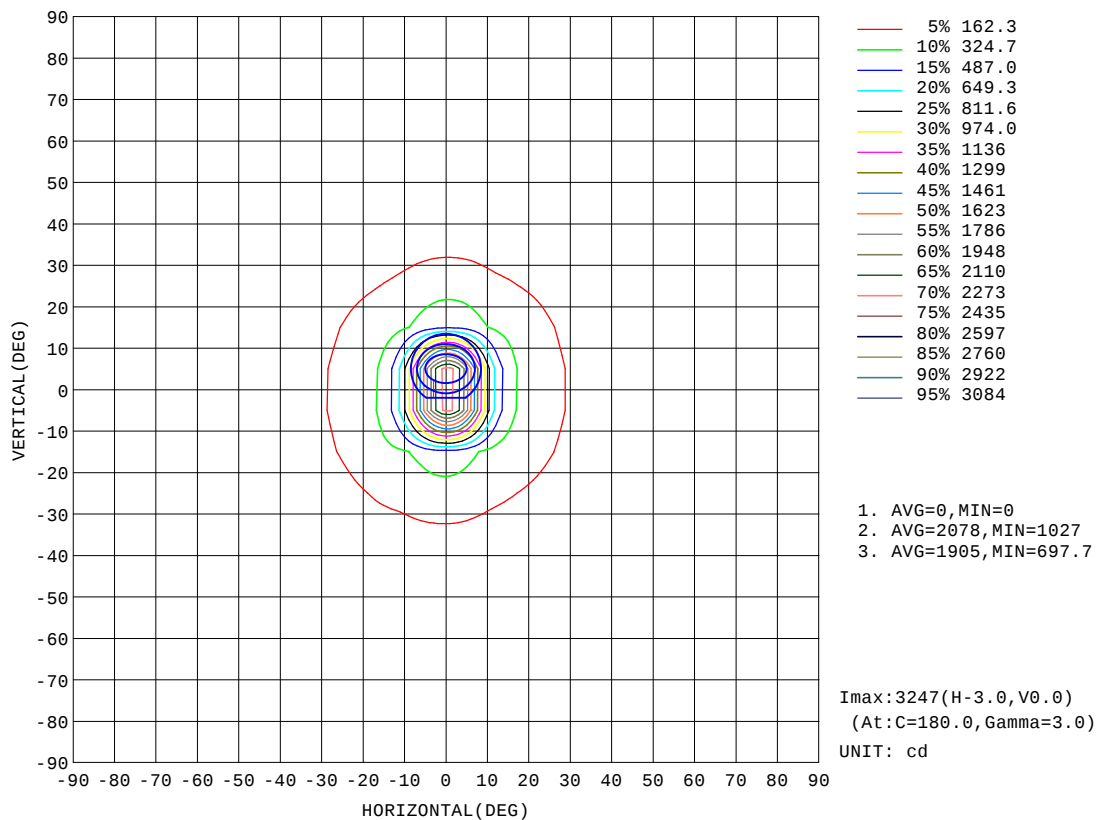
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	81	73	69	80	73	69	79	73	68	64
0.80	89	82	77	88	81	77	87	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	87	83
1.50	102	97	93	101	96	92	99	94	91	86
2.00	106	101	97	104	100	96	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	99	93
4.00	112	109	106	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:2026-08-18

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:6.800m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm		
NAME: 6844-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°



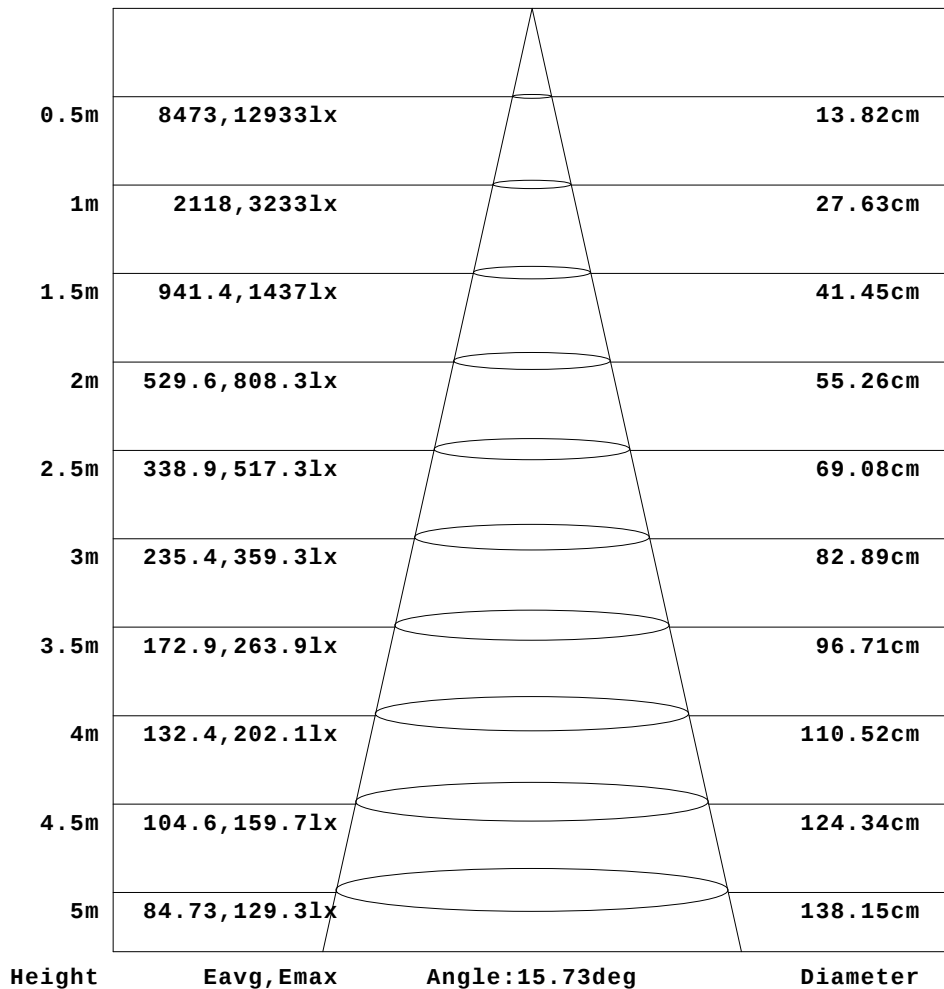
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-18

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:6.800m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm		
NAME: 6844-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

Flux out:131.4 lm



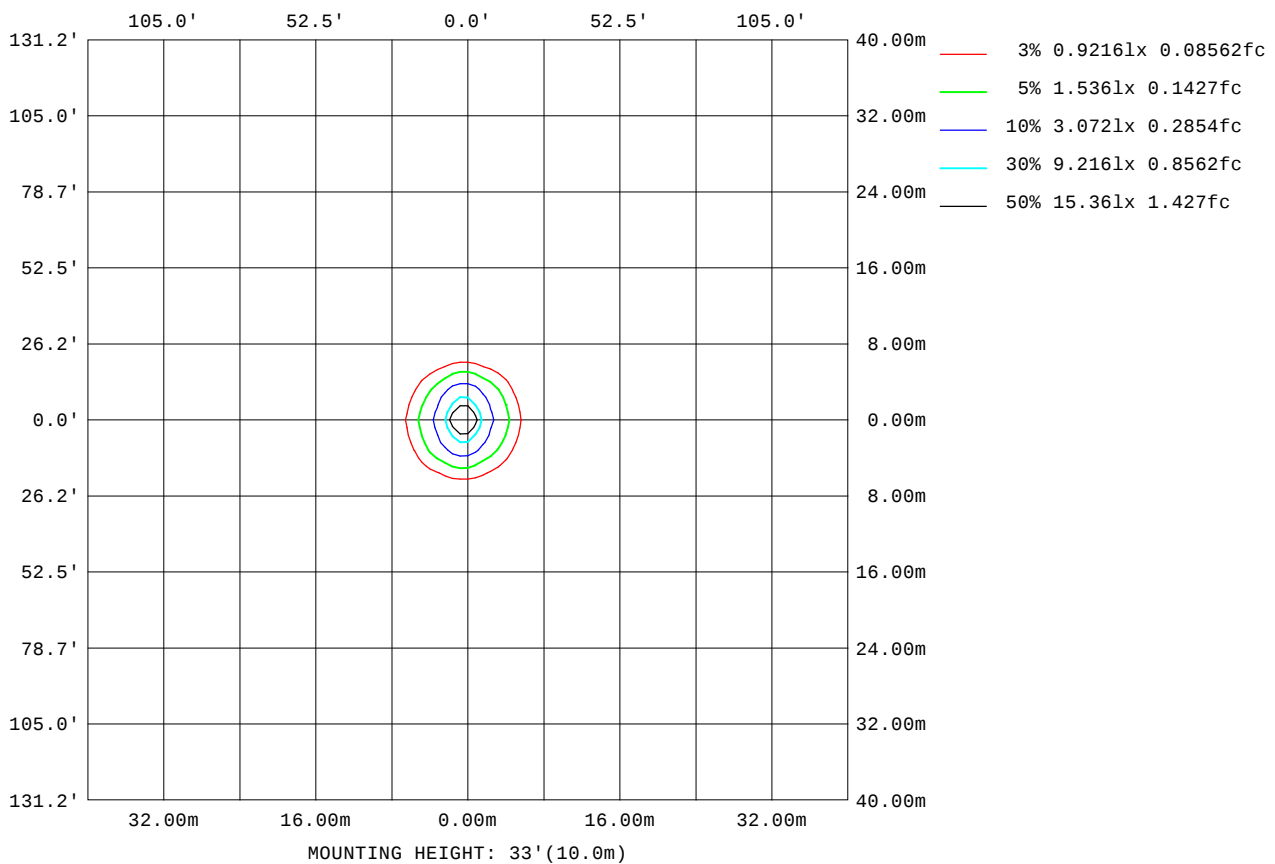
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:6.800m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm		
NAME: 6844-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	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: 6.800m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.26V I:0.0953A P:9.8657W PF:0.4698 Freq:50.00Hz Lamp Flux:613.207x1 lm		
NAME: 6844-10W-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.: 105*105*105mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:12°

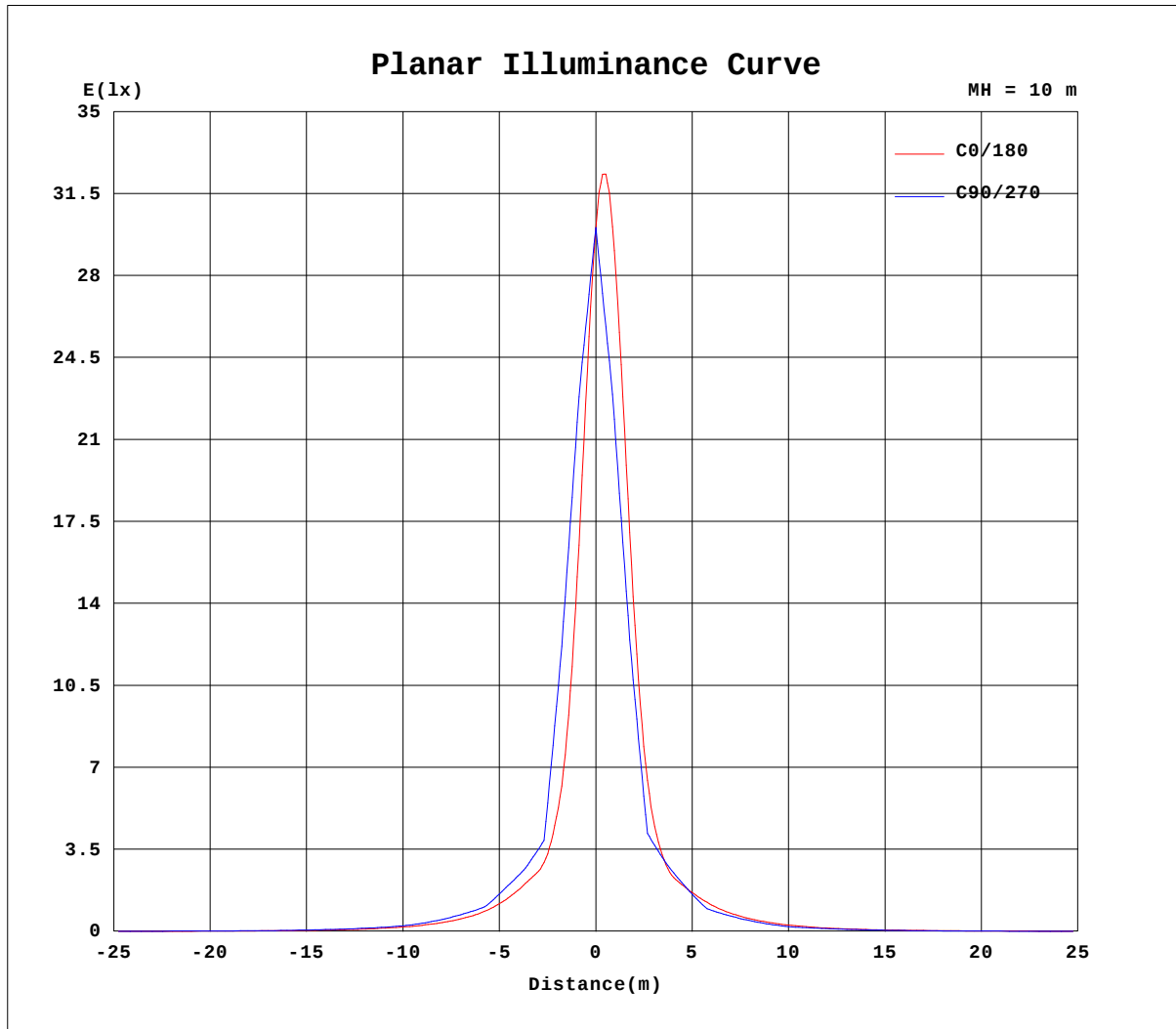
AvgL	cd/m2
L_0~180(65)av	445
L_0~180(75)av	284
L_0~180(85)av	200
L_90~270(65)av	449
L_90~270(75)av	253
L_90~270(85)av	0
L_45(65)av	403
L_45(75)av	268
L_45(85)av	0

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:6.800m [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: 6.800m [K=1.0000]
Remarks:

