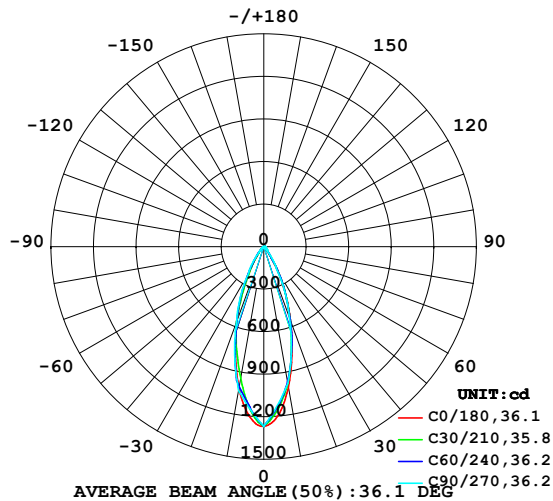


LUMINAIRE PHOTOMETRIC TEST REPORT

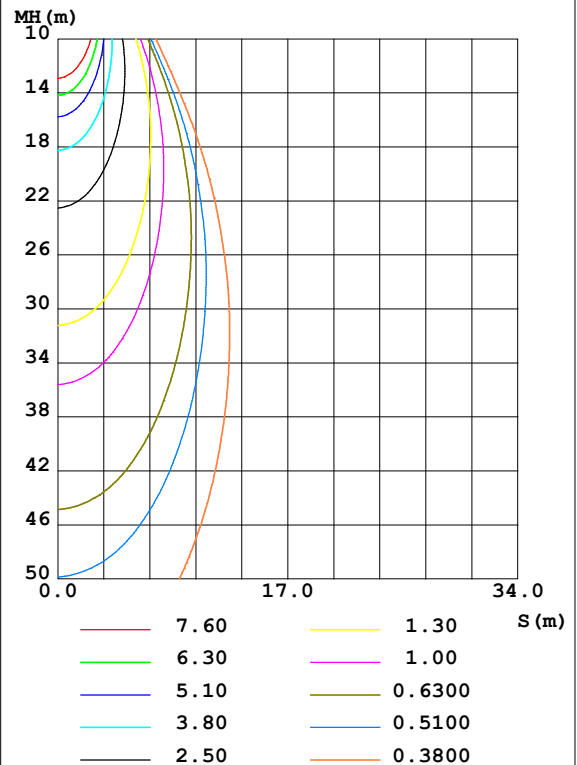
Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.97 lm/W			
MODEL		Imax(cd)	1268	S/MH(C0/180)	0.58
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	590.65	η UP,DN(C0-180)	0.0,48.4
NOMINAL FLUX(lm)	590.653	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1004	967.5	979.8	934.9	1014	969.4	1027	991.4	0- 10	104.1	104.1	17.6,17.6
20	550.5	556.7	531.5	505.9	561.5	538.8	564.1	573.3	10- 20	209.1	313.2	53,53
30	199.7	203.5	183.0	192.7	206.4	212.6	219.5	220.2	20- 30	163.7	476.9	80.7,80.7
40	39.86	36.69	37.86	44.07	52.73	56.52	55.24	46.83	30- 40	67.45	544.4	92.2,92.2
50	13.49	12.33	13.99	13.49	16.12	14.22	14.37	12.81	40- 50	20.23	564.6	95.6,95.6
60	10.18	8.650	10.52	10.32	12.42	11.15	11.30	9.787	50- 60	10.89	575.5	97.4,97.4
70	6.254	5.124	6.528	6.727	8.322	7.714	7.816	6.716	60- 70	8.481	584.0	98.9,98.9
80	2.713	2.476	2.916	3.205	4.196	4.196	4.090	3.697	70- 80	5.195	589.2	99.7,99.7
90	1.692	0	0	0	1.706	0	0	0	80- 90	1.492	590.7	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): 557.14 lm

%lum = 94.3%

%lamp = 94.3%

Conical surface Flux(120deg): 575.49 lm

%lum = 97.4%

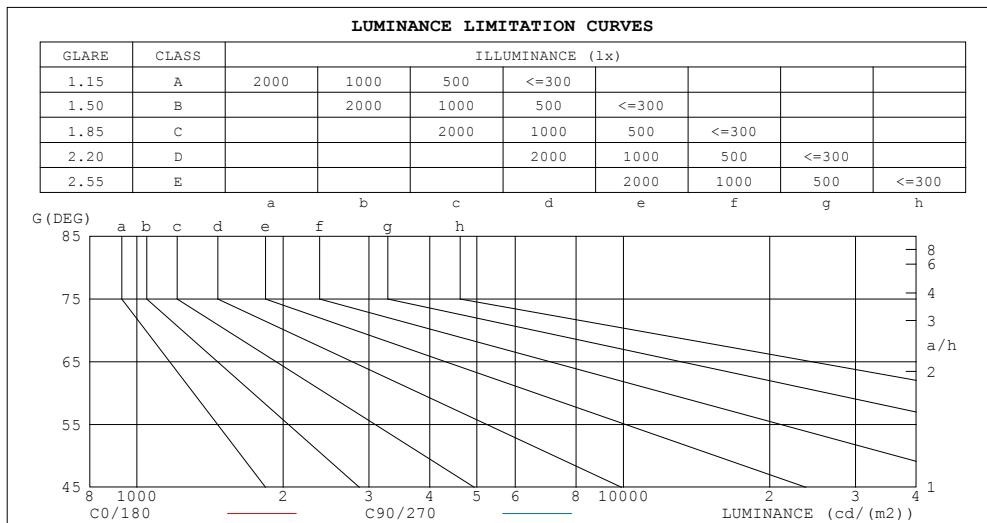
%lamp = 97.4%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-04

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	203	0
80	156	168
75	160	183
70	183	191
65	198	202
60	204	210
55	206	214
50	210	218
45	236	367

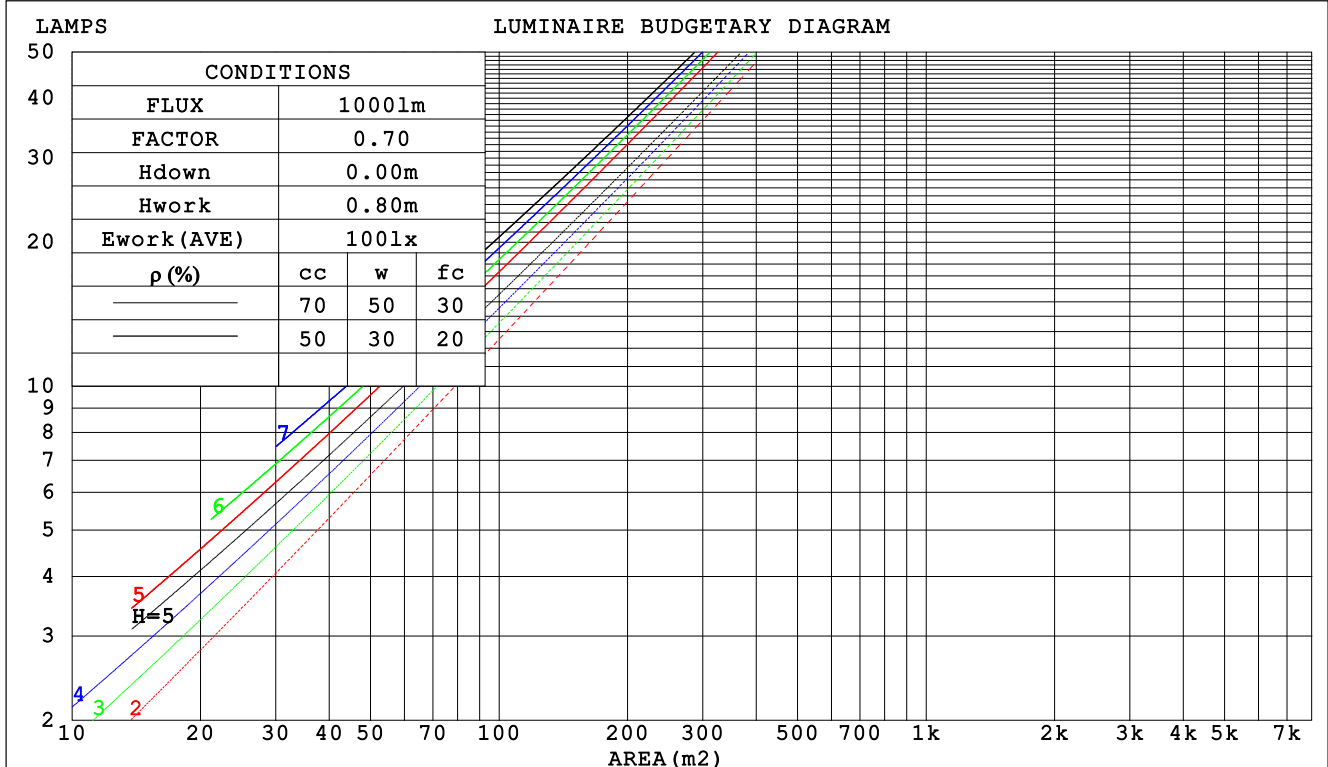
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.97	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.80	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.77	.73	.80	.76	.72	.79	.75	.72	.78	.74	.71	.70
7.0	.78	.73	.69	.78	.73	.69	.77	.72	.69	.75	.71	.68	.74	.71	.68	.67
8.0	.75	.69	.66	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.63
9.0	.71	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.60
10.0	.68	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.66	.62	.59	.58



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.174	.099	.031	.167	.095	.030	.154	.089	.028	.143	.082	.026	.132	.077	.025		
2.0	.164	.090	.027	.158	.087	.027	.147	.082	.025	.138	.077	.024	.129	.073	.023		
3.0	.154	.082	.025	.149	.080	.024	.140	.076	.023	.132	.072	.022	.124	.069	.021		
4.0	.145	.075	.022	.141	.074	.022	.133	.071	.021	.126	.068	.020	.119	.065	.020		
5.0	.137	.070	.020	.134	.069	.020	.127	.066	.019	.121	.064	.019	.115	.061	.018		
6.0	.130	.065	.019	.127	.064	.018	.121	.062	.018	.116	.060	.018	.111	.058	.017		
7.0	.124	.061	.017	.121	.060	.017	.116	.059	.017	.111	.057	.017	.106	.055	.016		
8.0	.118	.058	.016	.115	.057	.016	.111	.055	.016	.107	.054	.016	.103	.053	.015		
9.0	.113	.054	.015	.110	.054	.015	.106	.053	.015	.103	.051	.015	.099	.050	.015		
10.0	.108	.052	.014	.106	.051	.014	.102	.050	.014	.099	.049	.014	.096	.048	.014		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	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	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016		
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013		
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011		
4.0	.131	.099	.074	.113	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009		
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.038	.042	.031	.022	.013	.010	.007		
6.0	.114	.077	.051	.098	.067	.045	.068	.047	.032	.039	.028	.019	.013	.009	.006		
7.0	.107	.070	.043	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005		
8.0	.101	.063	.037	.087	.055	.033	.060	.039	.023	.035	.023	.014	.011	.007	.005		
9.0	.096	.058	.032	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004		
10.0	.091	.053	.028	.078	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.003		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm										
NAME: 6857					TYPE:8W-3000K			WEIGHT:		
SPEC.:					DIM.: 72*72*82mm			SERIAL No.:01		
MFR.: NORDECOR					SUR.:			Shielding Angle:35°		
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	4.5	5.3	4.7	5.5	5.6	5.0	5.9	5.3	6.1	6.2
3H	5.0	5.8	5.2	6.0	6.2	5.7	6.5	5.9	6.7	6.9
4H	5.2	6.0	5.5	6.2	6.4	6.0	6.8	6.3	7.0	7.2
6H	5.4	6.1	5.7	6.4	6.6	6.3	7.0	6.6	7.2	7.5
8H	5.5	6.2	5.8	6.5	6.7	6.3	7.0	6.6	7.3	7.5
12H	5.6	6.3	6.0	6.6	6.9	6.3	7.0	6.6	7.2	7.5
4H 2H	4.5	5.3	4.8	5.5	5.7	5.1	5.8	5.4	6.1	6.3
3H	5.2	5.9	5.5	6.1	6.4	5.9	6.6	6.2	6.8	7.1
4H	5.5	6.1	5.8	6.4	6.7	6.3	7.0	6.7	7.3	7.6
6H	5.8	6.3	6.2	6.7	7.0	6.7	7.3	7.1	7.6	8.0
8H	5.9	6.4	6.3	6.8	7.2	6.8	7.3	7.2	7.7	8.0
12H	6.1	6.6	6.6	7.0	7.4	6.8	7.3	7.2	7.6	8.0
8H 4H	5.6	6.1	6.0	6.4	6.8	6.4	6.9	6.8	7.2	7.6
6H	6.0	6.4	6.4	6.8	7.2	6.9	7.3	7.3	7.7	8.1
8H	6.2	6.6	6.7	7.0	7.4	7.0	7.4	7.5	7.8	8.2
12H	6.5	6.9	7.0	7.3	7.8	7.0	7.3	7.5	7.8	8.2
12H 4H	5.6	6.0	6.0	6.4	6.8	6.4	6.8	6.8	7.2	7.6
6H	6.0	6.4	6.5	6.8	7.3	6.9	7.3	7.4	7.7	8.1
8H	6.3	6.6	6.8	7.1	7.5	7.1	7.4	7.5	7.8	8.3
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.0					+ 1.4 / - 1.2				
1.5H	+ 2.4 / - 1.0					+ 2.9 / - 1.3				
2.0H	+ 0.5 / - 0.6					+ 1.1 / - 0.5				

CIE Pub.117, 590.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.8)
Area: 0.1 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

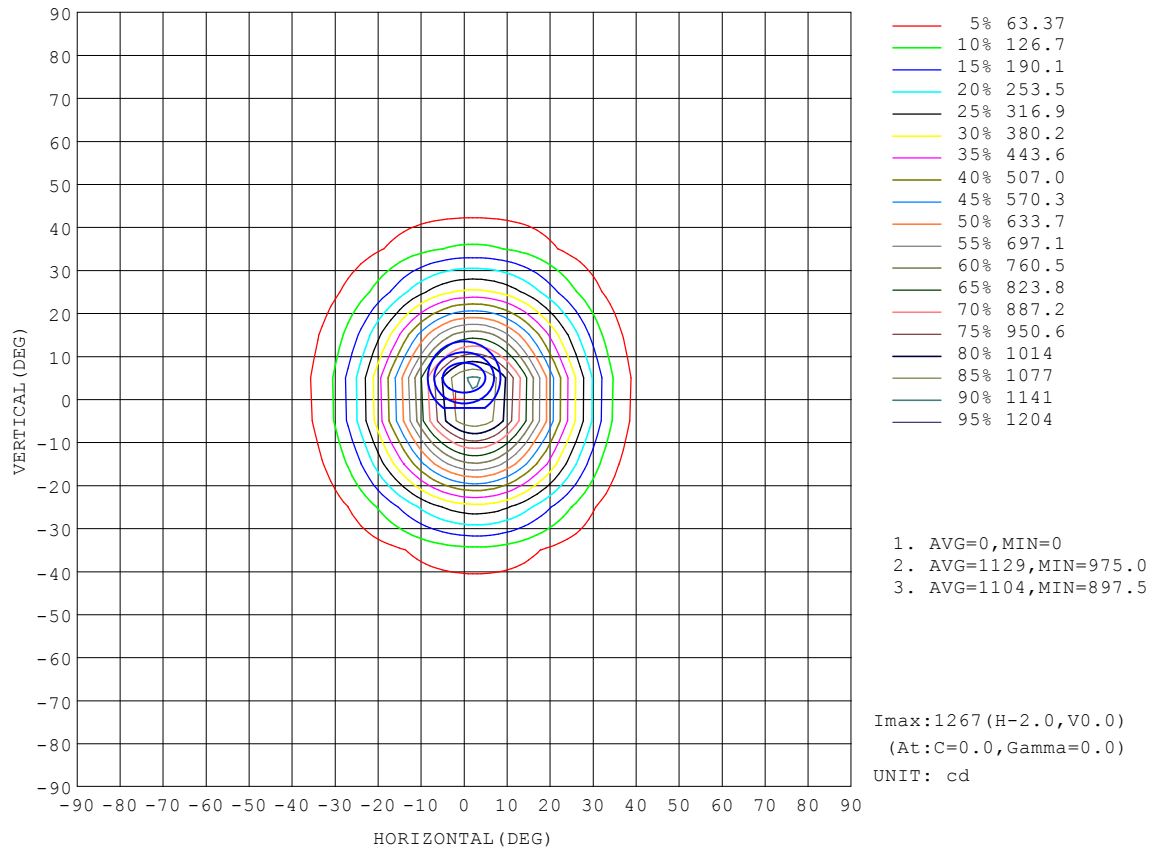
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	73
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	102	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-04

$V(B)$ Range:-80 - 80DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

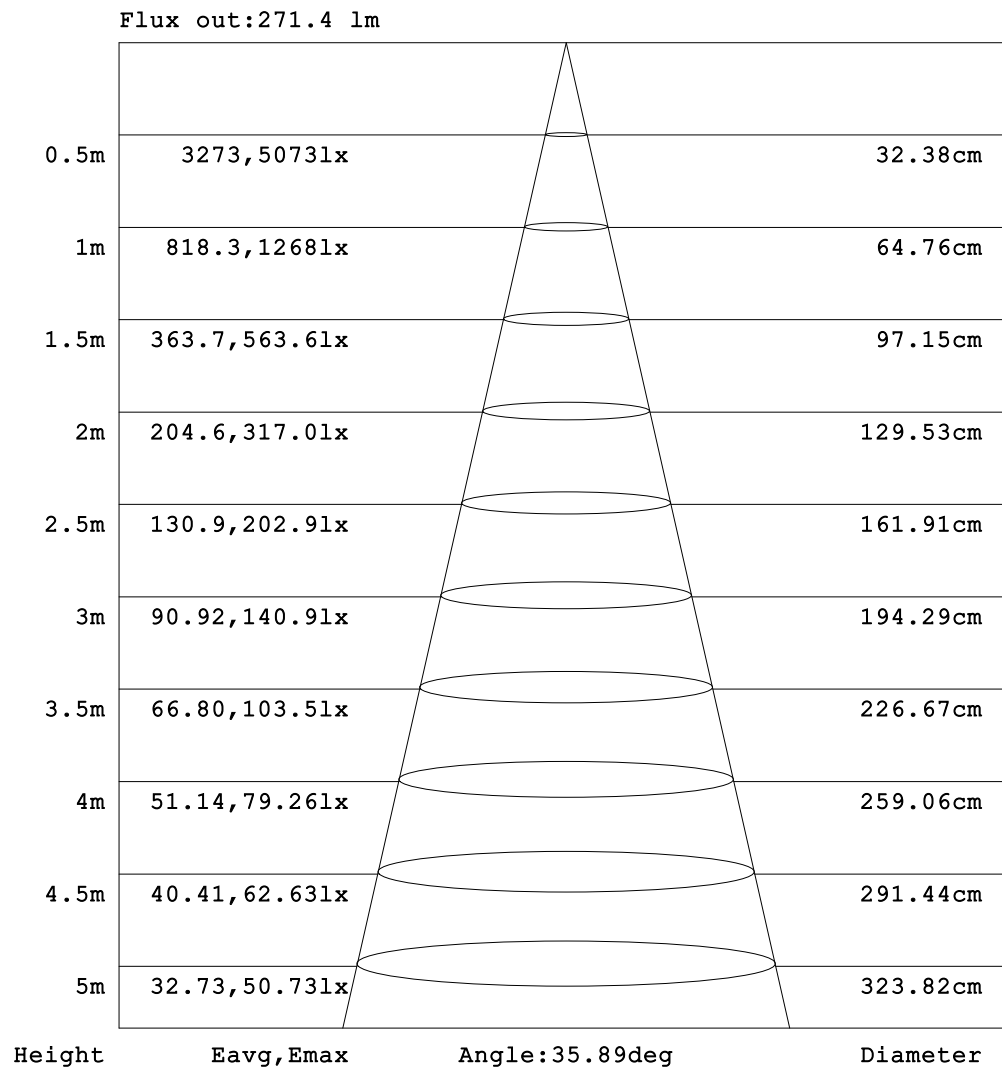


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



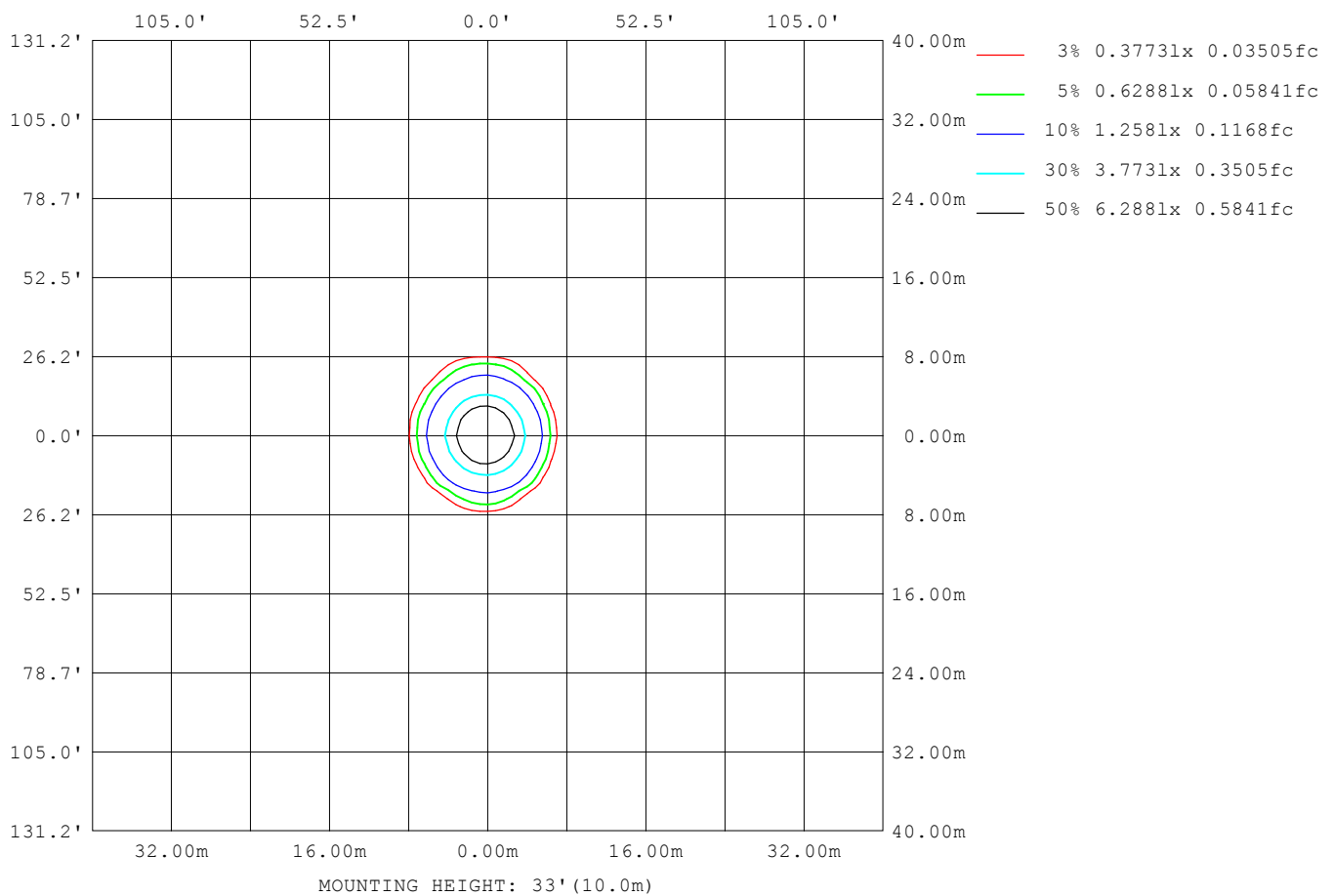
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:150.19V I:0.1091A P:8.8198W PF:0.5381 Freq:50.00Hz Lamp Flux:590.653x1 lm		
NAME: 6857	TYPE:8W-3000K	WEIGHT:
SPEC.:	DIM.: 72*72*82mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:35°

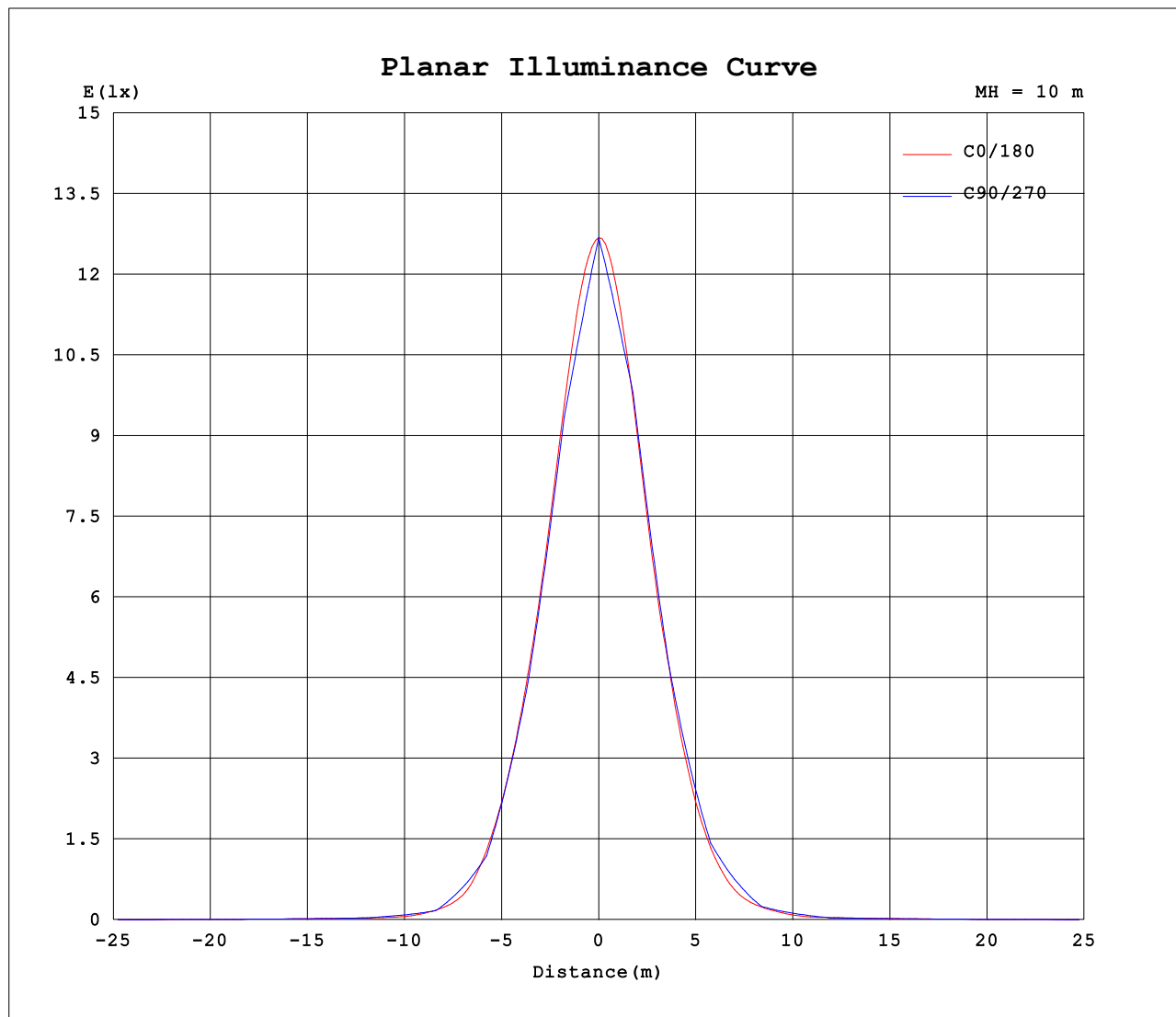
AvgL	cd/m2
L_0~180 (65) av	222
L_0~180 (75) av	200
L_0~180 (85) av	249
L_90~270 (65) av	214
L_90~270 (75) av	206
L_90~270 (85) av	0
L_45 (65) av	196
L_45 (75) av	186
L_45 (85) av	123

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-04

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.300m [K=1.0000]
 Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-04

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:
```

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:
```

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:
```

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.300m [K=1.0000]
Remarks:
```