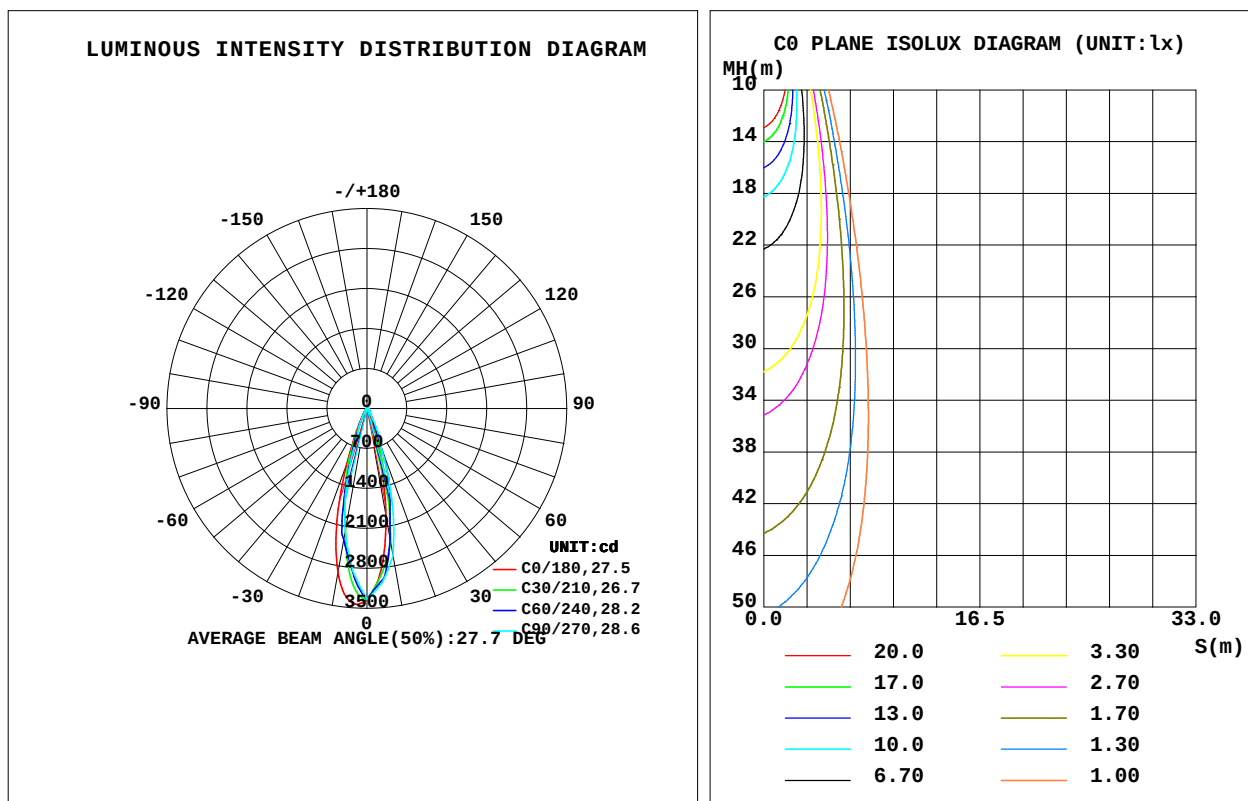


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.73 lm/W			
MODEL		I _{max} (cd)	3433	S/MH(C0/180)	0.52
NOMINAL POWER(W)	2*7	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	891.28	h UP, DN(C0-180)	0.0,53.2
NOMINAL FLUX(lm)	891.279	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,46.8
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:2026-09-09

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [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	1922	2285	2625	2546	2924	2286	2195	2013	0- 10	263.4	263.4	29.6, 29.6
20	376.3	759.9	729.9	835.9	1046	683.3	484.4	589.5	10- 20	391.5	654.9	73.5, 73.5
30	85.84	120.2	141.0	182.5	192.8	138.8	99.76	98.35	20- 30	147.8	802.7	90.1, 90.1
40	33.06	35.12	45.29	50.91	57.28	41.70	35.74	30.94	30- 40	47.23	849.9	95.4, 95.4
50	16.38	16.71	24.60	22.72	27.76	19.69	18.57	13.93	40- 50	22.46	872.4	97.9, 97.9
60	4.608	4.161	9.317	8.734	11.41	6.054	5.236	3.270	50- 60	11.31	883.7	99.1, 99.1
70	2.599	2.440	3.960	3.748	4.414	2.817	2.713	2.208	60- 70	4.172	887.9	99.6, 99.6
80	2.204	1.683	1.899	2.028	2.455	2.066	2.009	1.887	70- 80	2.410	890.3	99.9, 99.9
90	1.978	0	0	0	1.947	0	0	0	80- 90	1.000	891.3	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): 862.66 lm

%lum = 96.8%

%lamp = 96.8%

Conical surface Flux(120deg): 883.7 lm

%lum = 99.1%

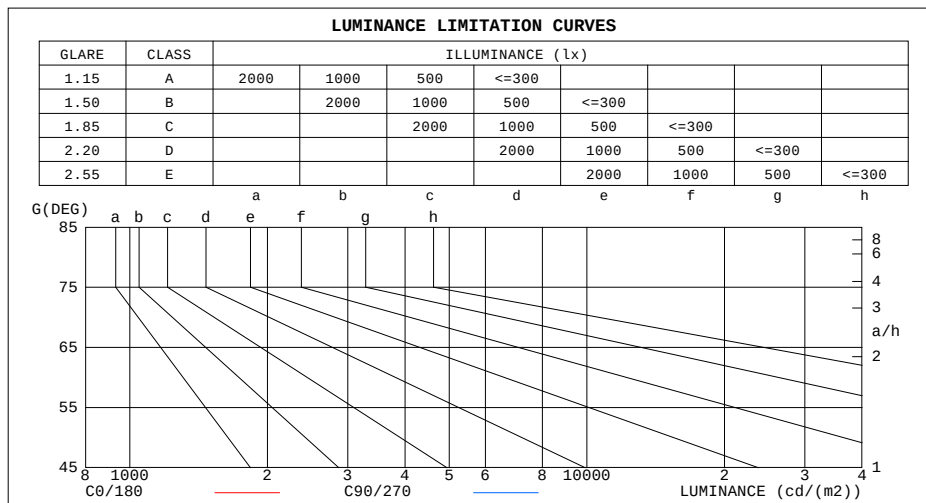
%lamp = 99.1%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-09

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	240	0
80	127	109
75	89	115
70	76	116
65	79	161
60	92	186
55	157	301
50	255	383
45	344	501

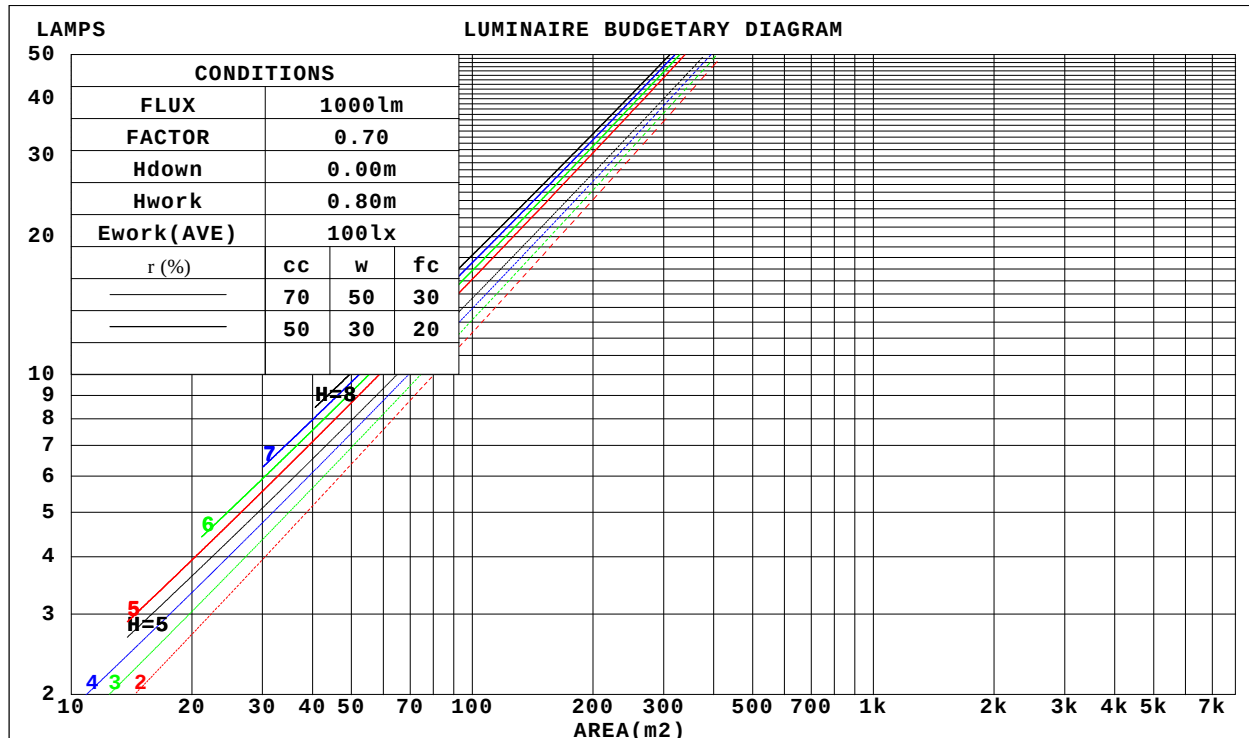
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.85	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.77	.76
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.80	.76	.74	.73
9.0	.80	.76	.73	.80	.75	.72	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
10.0	.77	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.75	.72	.70	.69



H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	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	.149	.085	.027	.142	.081	.026	.130	.074	.024	.118	.068	.022	.108	.062	.020	
2.0	.139	.076	.023	.133	.073	.023	.123	.068	.021	.113	.064	.020	.104	.059	.019	
3.0	.130	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.101	.056	.017	
4.0	.122	.063	.019	.118	.062	.018	.110	.059	.017	.104	.056	.017	.097	.053	.016	
5.0	.115	.058	.017	.111	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015	
6.0	.109	.054	.016	.106	.053	.015	.100	.051	.015	.095	.049	.015	.090	.048	.014	
7.0	.103	.051	.014	.101	.050	.014	.096	.049	.014	.091	.047	.014	.087	.045	.013	
8.0	.098	.048	.014	.096	.047	.013	.092	.046	.013	.088	.045	.013	.084	.043	.013	
9.0	.094	.045	.013	.092	.045	.013	.088	.044	.012	.085	.042	.012	.081	.041	.012	
10.0	.090	.043	.012	.088	.043	.012	.085	.042	.012	.082	.041	.012	.079	.040	.011	

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	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.049	.030	.052	.034	.021	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.030	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-09

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: 7.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm											
NAME: 6481						TYPE:2*7W-2700K			WEIGHT:		
SPEC.:						DIM.: 144*78*108mm			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	0.0	0.7	0.2	0.9	1.1	1.9	2.7	2.1	2.8	3.0	
	3H	0.1	0.7	0.3	0.9	1.1	2.2	2.8	2.4	3.0	3.2
	4H	0.1	0.8	0.4	1.0	1.2	2.3	2.9	2.5	3.1	3.3
	6H	0.3	0.9	0.6	1.1	1.3	2.4	3.0	2.7	3.2	3.4
	8H	0.4	1.0	0.7	1.2	1.5	2.4	3.0	2.7	3.2	3.5
	12H	0.6	1.2	1.0	1.5	1.7	2.3	2.9	2.7	3.2	3.4
4H	2H	0.0	0.6	0.3	0.8	1.1	1.8	2.4	2.1	2.7	2.9
	3H	0.1	0.6	0.4	0.9	1.2	2.1	2.7	2.4	2.9	3.2
	4H	0.2	0.7	0.5	1.0	1.3	2.3	2.8	2.6	3.1	3.4
	6H	0.4	0.8	0.7	1.2	1.5	2.5	2.9	2.8	3.2	3.6
	8H	0.6	1.0	1.0	1.3	1.7	2.5	2.9	2.9	3.3	3.6
	12H	0.9	1.3	1.3	1.7	2.0	2.5	2.8	2.9	3.2	3.6
8H	4H	0.2	0.6	0.6	1.0	1.3	2.2	2.6	2.6	3.0	3.3
	6H	0.5	0.9	0.9	1.3	1.7	2.5	2.8	2.9	3.2	3.6
	8H	0.8	1.1	1.3	1.5	2.0	2.6	2.9	3.0	3.3	3.7
	12H	1.3	1.6	1.8	2.0	2.5	2.5	2.8	3.0	3.2	3.7
12H	4H	0.2	0.6	0.6	0.9	1.3	2.2	2.6	2.6	2.9	3.3
	6H	0.6	0.9	1.0	1.3	1.7	2.5	2.8	2.9	3.2	3.6
	8H	0.9	1.2	1.4	1.6	2.1	2.6	2.8	3.0	3.3	3.7
Variations with the observer position at spacings:											
S = 1.0H	+ 1.4 / - 2.0					+ 1.7 / - 1.5					
1.5H	+ 1.6 / - 1.8					+ 2.7 / - 2.1					
2.0H	+ 3.0 / - 3.0					+ 2.8 / - 3.1					

CIE Pub.117, 891.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

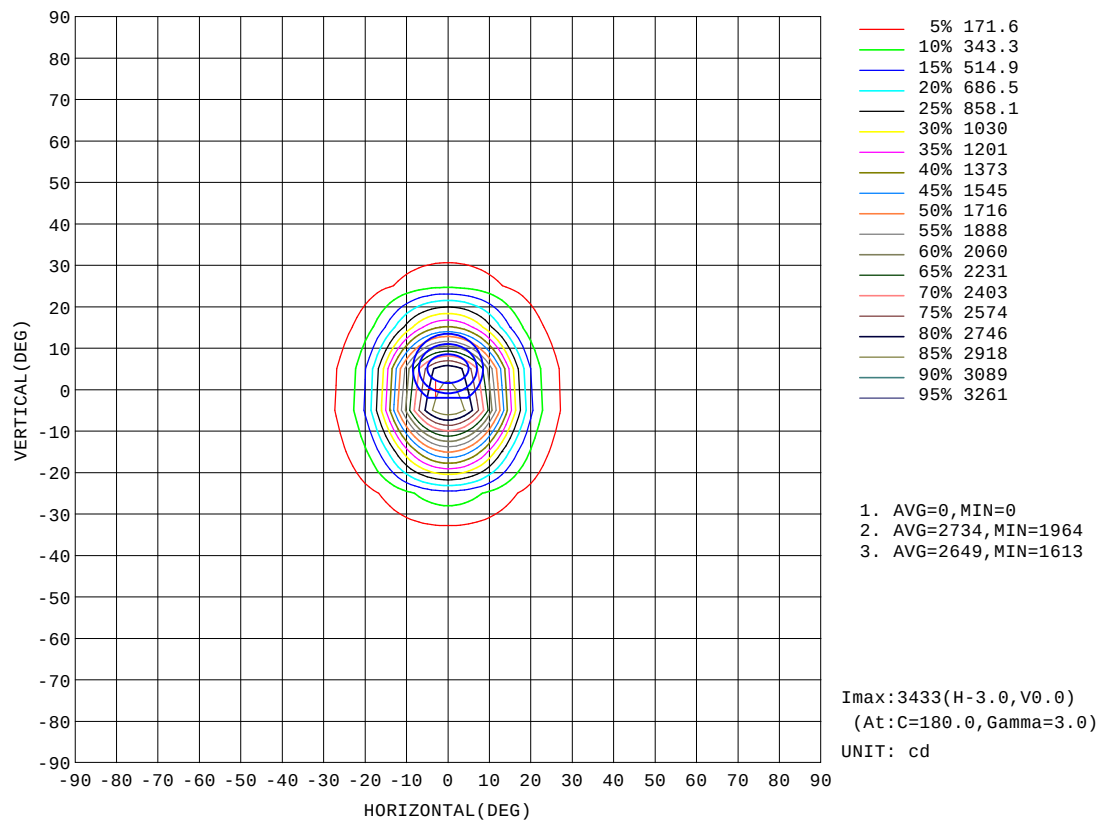
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	83	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	98	94	90	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
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:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



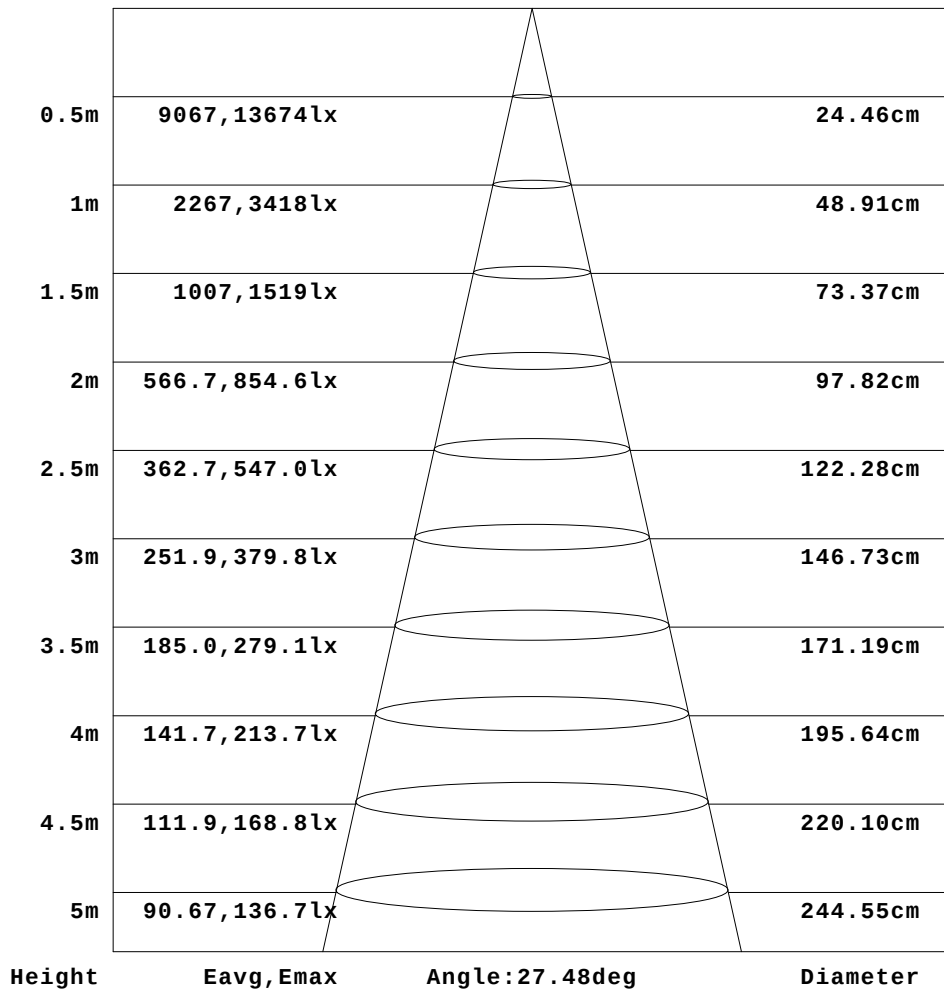
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:442.7 lm



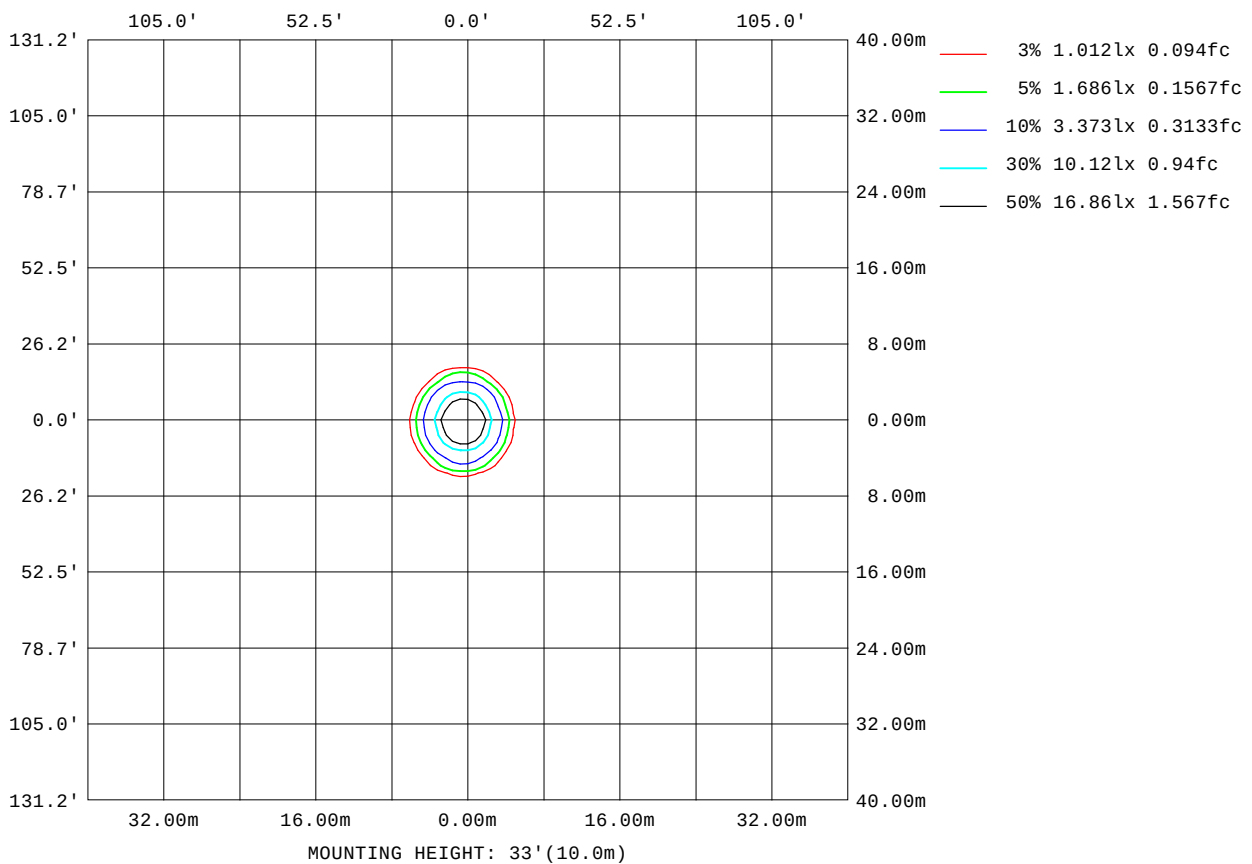
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE: 2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	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: 2026-09-09

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

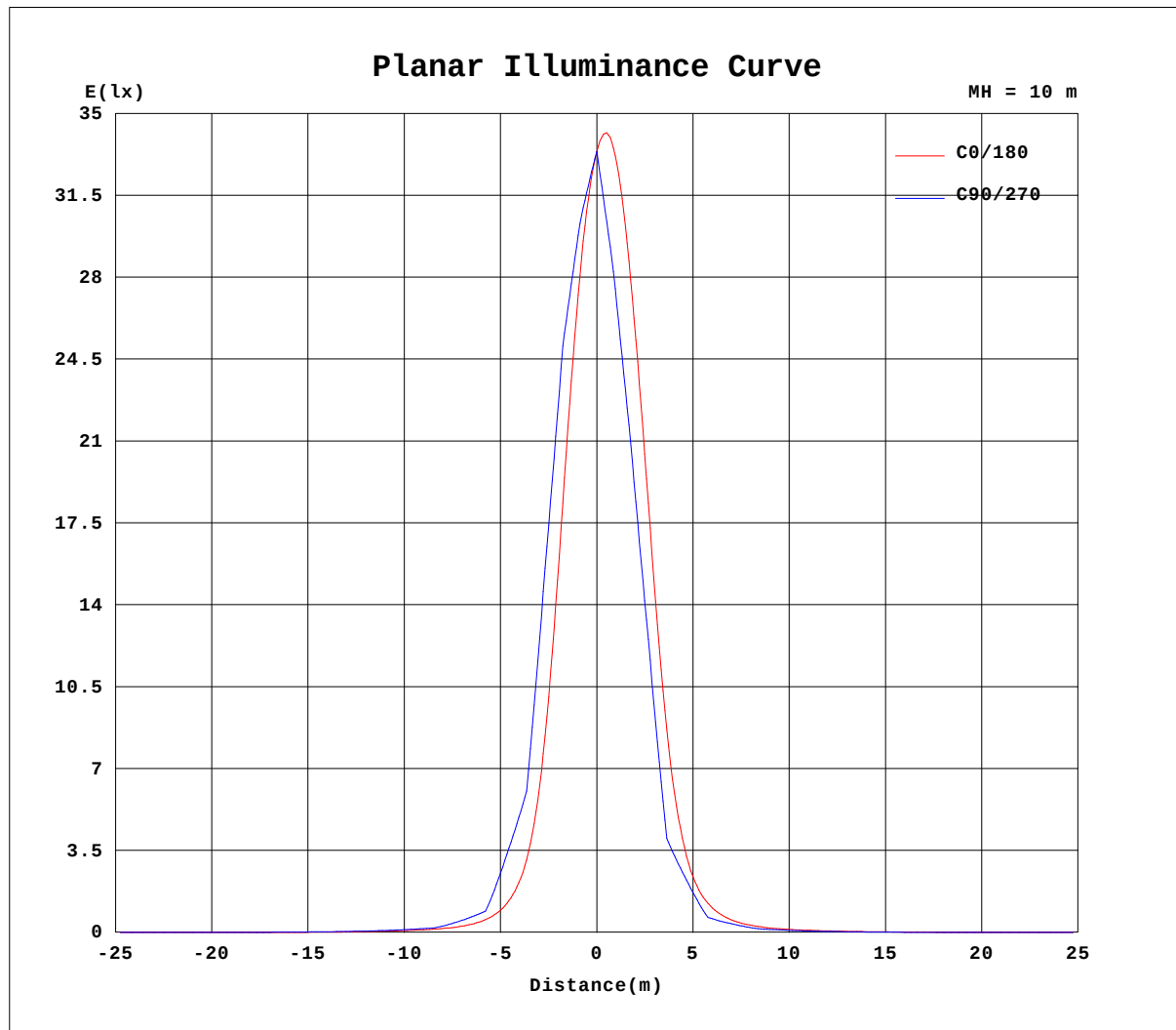
AvgL	cd/m2
L_0~180(65)av	114
L_0~180(75)av	104
L_0~180(85)av	246
L_90~270(65)av	128
L_90~270(75)av	103
L_90~270(85)av	0
L_45(65)av	86
L_45(75)av	87
L_45(85)av	83

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.200m [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: 2026-09-09

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:150.05V I:0.1658A P:13.770W PF:0.5535 Freq:50.00Hz Lamp Flux:891.279x1 lm		
NAME: 6481	TYPE:2*7W-2700K	WEIGHT:
SPEC.:	DIM.: 144*78*108mm	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:2026-09-09

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:7.200m [K=1.0000]
Remarks:

