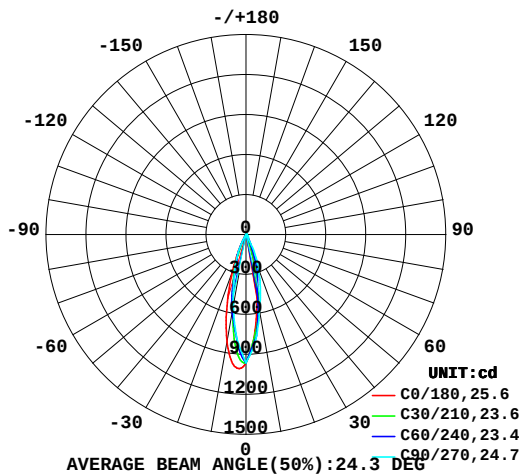


LUMINAIRE PHOTOMETRIC TEST REPORT

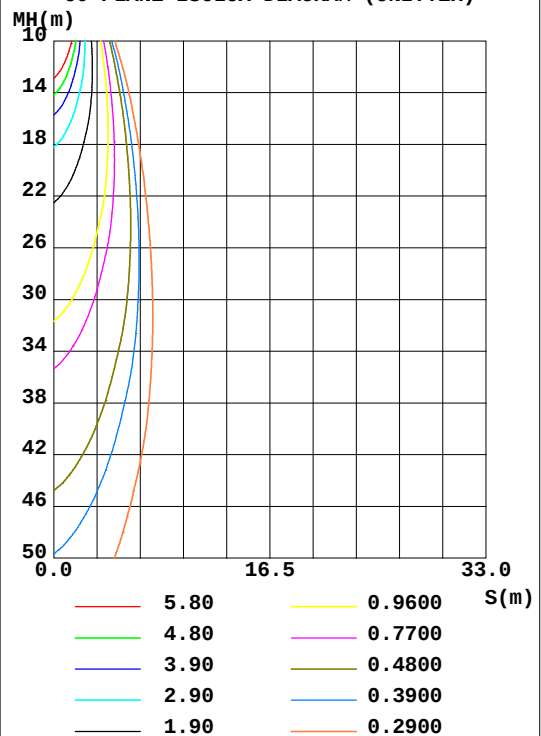
Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 46.06 lm/W			
MODEL		I _{max} (cd)	1008	S/MH(C0/180)	0.52
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	223.27	h UP, DN(C0-180)	0.0,52.2
NOMINAL FLUX(lm)	223.273	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,47.8
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

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:2026-08-16

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:7.300m [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	484.6	532.7	584.8	632.0	821.0	590.0	546.2	523.4	0- 10	70.02	70.02	31.4, 31.4
20	108.8	168.7	272.3	220.2	304.3	163.4	227.7	171.6	10- 20	99.76	169.8	76, 76
30	8.415	25.52	26.38	58.19	37.50	36.01	8.303	23.59	20- 30	44.90	214.7	96.2, 96.2
40	1.110	0.8654	9.672	1.124	1.693	0.8653	3.320	0.7002	30- 40	5.404	220.1	98.6, 98.6
50	0.8959	0.6436	1.236	0.8343	1.283	0.6805	0.7901	0.5538	40- 50	0.9986	221.1	99, 99
60	0.7596	0.6177	1.069	0.7802	0.9875	0.6192	0.7143	0.5352	50- 60	0.6934	221.8	99.3, 99.3
70	0.6960	0.6389	0.8356	0.7857	0.8145	0.6334	0.6627	0.5795	60- 70	0.6965	222.5	99.6, 99.6
80	0.6733	0.4702	0	0.5342	0.6781	0.4874	0	0.4702	70- 80	0.6210	223.1	99.9, 99.9
90	0.6008	0	0	0	0.6006	0	0	0	80- 90	0.1729	223.3	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): 220.73 lm

%lum = 98.9%

%lamp = 98.9%

Conical surface Flux(120deg): 221.78 lm

%lum = 99.3%

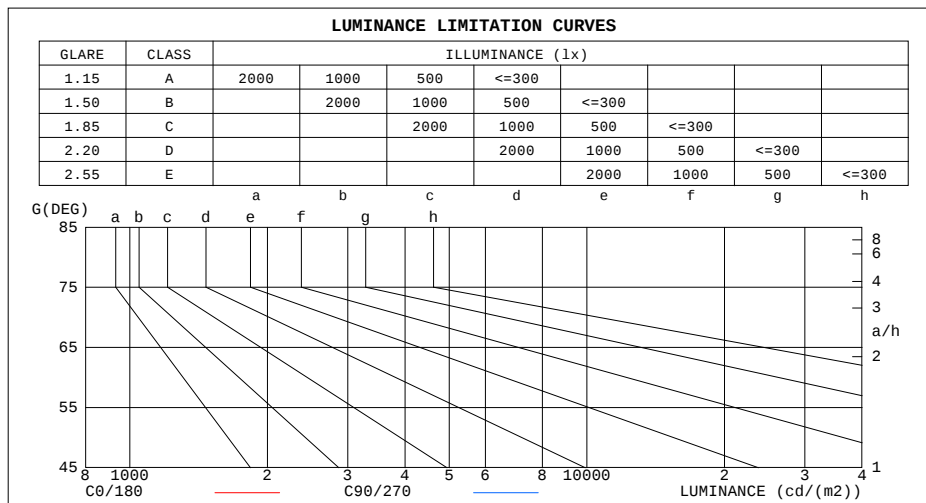
%lamp = 99.3%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-16

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:7.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	76	0
80	39	0
75	27	28
70	20	24
65	17	23
60	15	21
55	14	20
50	14	19
45	14	19

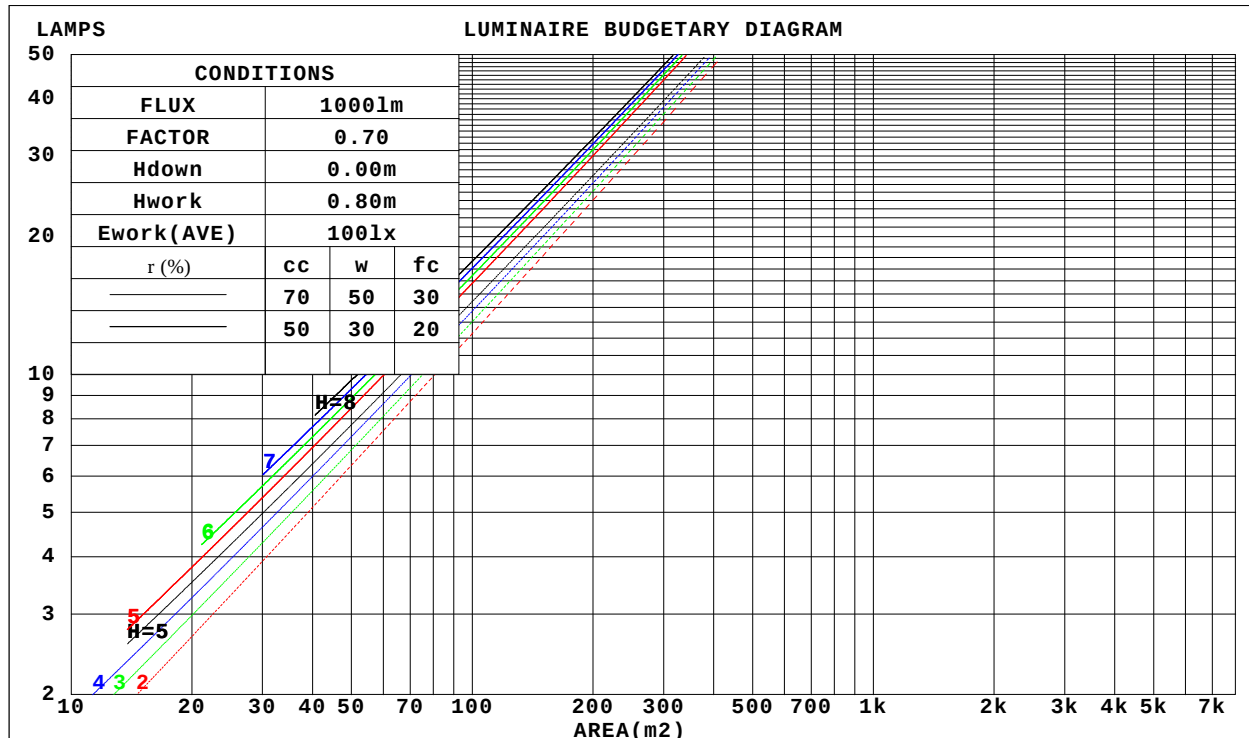
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-16

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: 7.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	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	1.00
1.0	1.13	1.11	1.09	1.10	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.01	1.05	1.03	1.00	1.02	1.00	.98	.99	.98	.96	.97	.95	.94	.93
3.0	1.02	.99	.96	1.01	.98	.95	.99	.96	.93	.96	.94	.92	.94	.92	.91	.89
4.0	.98	.94	.91	.97	.93	.90	.95	.92	.89	.93	.91	.88	.92	.89	.87	.86
5.0	.94	.90	.87	.94	.90	.87	.92	.89	.86	.90	.88	.85	.89	.87	.85	.83
6.0	.91	.87	.84	.90	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.81
7.0	.88	.84	.81	.87	.83	.80	.86	.83	.80	.85	.82	.80	.84	.81	.79	.78
8.0	.85	.81	.78	.85	.80	.78	.84	.80	.77	.83	.79	.77	.82	.79	.77	.76
9.0	.82	.78	.75	.82	.78	.75	.81	.78	.75	.80	.77	.75	.80	.77	.75	.74
10.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.78	.75	.72	.71



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-16

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: 7.300m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	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
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.142	.081	.026	.135	.077	.025	.123	.071	.023	.112	.064	.021	.101	.059	.019	
2.0	.131	.072	.022	.126	.069	.021	.116	.064	.020	.106	.060	.019	.098	.055	.017	
3.0	.122	.065	.020	.118	.063	.019	.109	.059	.018	.101	.056	.017	.094	.052	.016	
4.0	.115	.060	.018	.111	.058	.017	.104	.055	.016	.097	.052	.016	.091	.049	.015	
5.0	.108	.055	.016	.105	.054	.016	.099	.051	.015	.093	.049	.015	.088	.047	.014	
6.0	.102	.051	.015	.100	.050	.014	.094	.048	.014	.089	.046	.014	.085	.045	.013	
7.0	.097	.048	.014	.095	.047	.013	.090	.046	.013	.086	.044	.013	.082	.043	.012	
8.0	.093	.045	.013	.091	.045	.013	.087	.043	.012	.083	.042	.012	.079	.041	.012	
9.0	.089	.043	.012	.087	.042	.012	.083	.041	.012	.080	.040	.011	.077	.039	.011	
10.0	.085	.041	.011	.084	.040	.011	.080	.039	.011	.077	.038	.011	.074	.037	.011	

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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.129	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.014	
3.0	.136	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.065	.097	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.041	.078	.053	.035	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.085	.055	.035	.073	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.080	.051	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-16

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: 7.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm											
NAME: 6448-5W-2700K					TYPE:室内			WEIGHT:			
SPEC.:					DIM.: 85*80*85mm			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	2H	-9.2	-8.5	-9.0	-8.3	-8.2	-3.5	-2.8	-3.3	-2.7	-2.5
	3H	-7.2	-6.6	-7.0	-6.4	-6.2	-2.7	-2.1	-2.5	-1.9	-1.7
	4H	-5.8	-5.2	-5.6	-5.0	-4.8	-2.2	-1.6	-1.9	-1.3	-1.1
	6H	-4.1	-3.5	-3.8	-3.3	-3.1	-2.1	-1.5	-1.8	-1.3	-1.0
	8H	-3.1	-2.5	-2.8	-2.3	-2.0	-2.1	-1.6	-1.8	-1.3	-1.1
	12H	-1.9	-1.3	-1.5	-1.1	-0.8	-2.2	-1.6	-1.8	-1.4	-1.1
4H	2H	-8.5	-7.9	-8.3	-7.7	-7.5	-3.5	-2.9	-3.3	-2.7	-2.5
	3H	-6.3	-5.8	-6.0	-5.5	-5.2	-2.5	-2.0	-2.2	-1.7	-1.4
	4H	-4.7	-4.3	-4.4	-4.0	-3.7	-1.7	-1.2	-1.3	-0.9	-0.6
	6H	-2.8	-2.4	-2.5	-2.1	-1.7	-1.5	-1.1	-1.2	-0.8	-0.4
	8H	-1.7	-1.3	-1.3	-1.0	-0.6	-1.6	-1.2	-1.2	-0.8	-0.5
	12H	-0.4	-0.0	-0.0	0.3	0.7	-1.6	-1.3	-1.2	-0.9	-0.5
8H	4H	-4.0	-3.6	-3.6	-3.2	-2.9	-1.4	-1.0	-1.0	-0.7	-0.3
	6H	-1.8	-1.5	-1.4	-1.1	-0.7	-1.2	-0.9	-0.8	-0.5	-0.1
	8H	-0.6	-0.3	-0.1	0.2	0.6	-1.3	-1.0	-0.9	-0.6	-0.1
	12H	0.9	1.2	1.4	1.6	2.1	-1.4	-1.1	-0.9	-0.7	-0.2
12H	4H	-4.0	-3.6	-3.6	-3.2	-2.8	-1.4	-1.0	-1.0	-0.6	-0.3
	6H	-1.8	-1.5	-1.4	-1.1	-0.7	-1.2	-0.9	-0.7	-0.5	-0.0
	8H	-0.5	-0.3	-0.0	0.2	0.6	-1.2	-1.0	-0.8	-0.5	-0.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 3.0 / - 1.9					
1.5H	+ 0.3 / - 0.2					+ 5.3 / - 2.1					
2.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.7					

CIE Pub.117, 223.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.2)
Area: 0.1 m2

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-16

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: 7.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

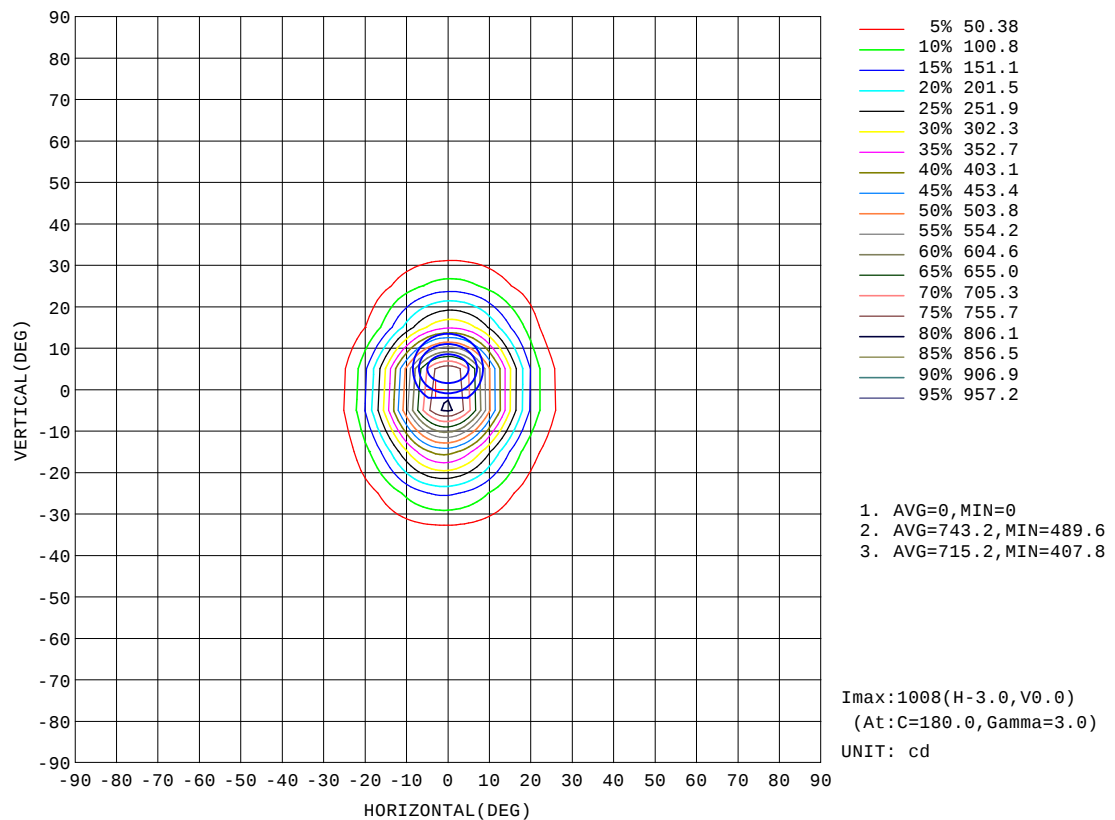
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	91	85	82	90	85	81	90	84	81	78
0.80	98	92	89	97	92	89	96	92	89	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
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:2026-08-16

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:7.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



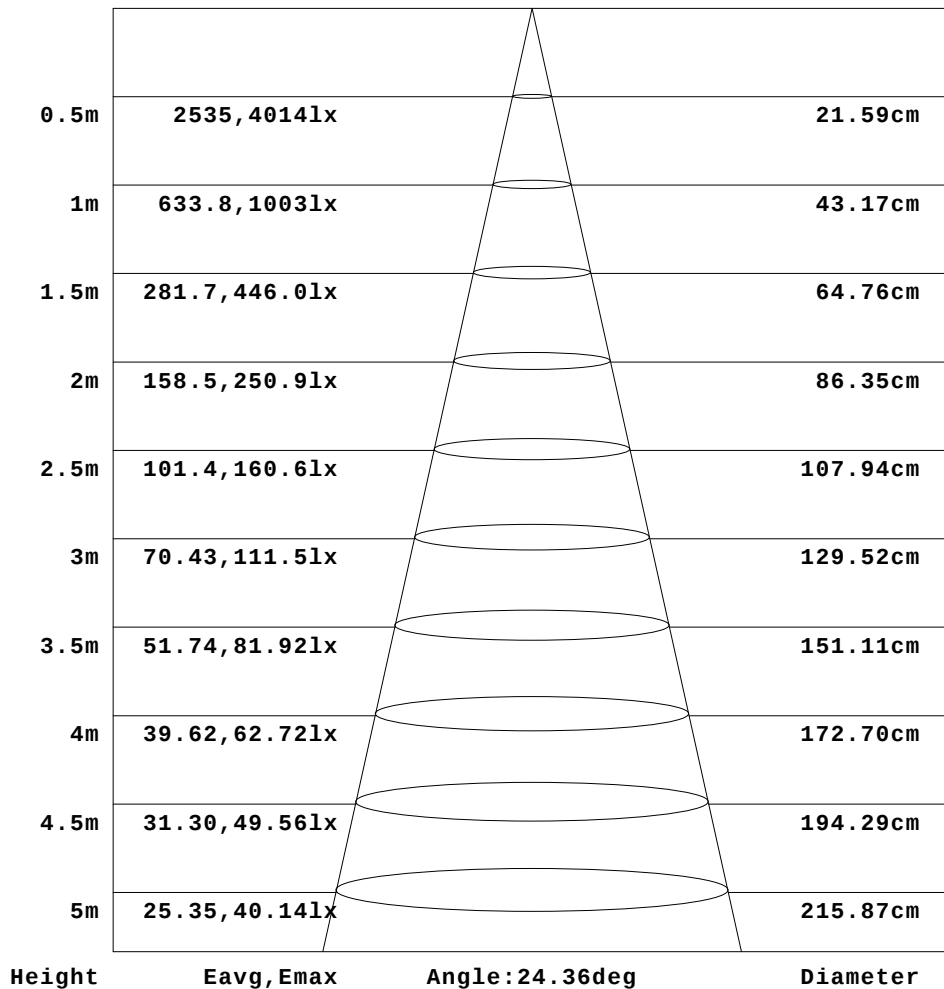
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-16

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:7.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:97.87 lm



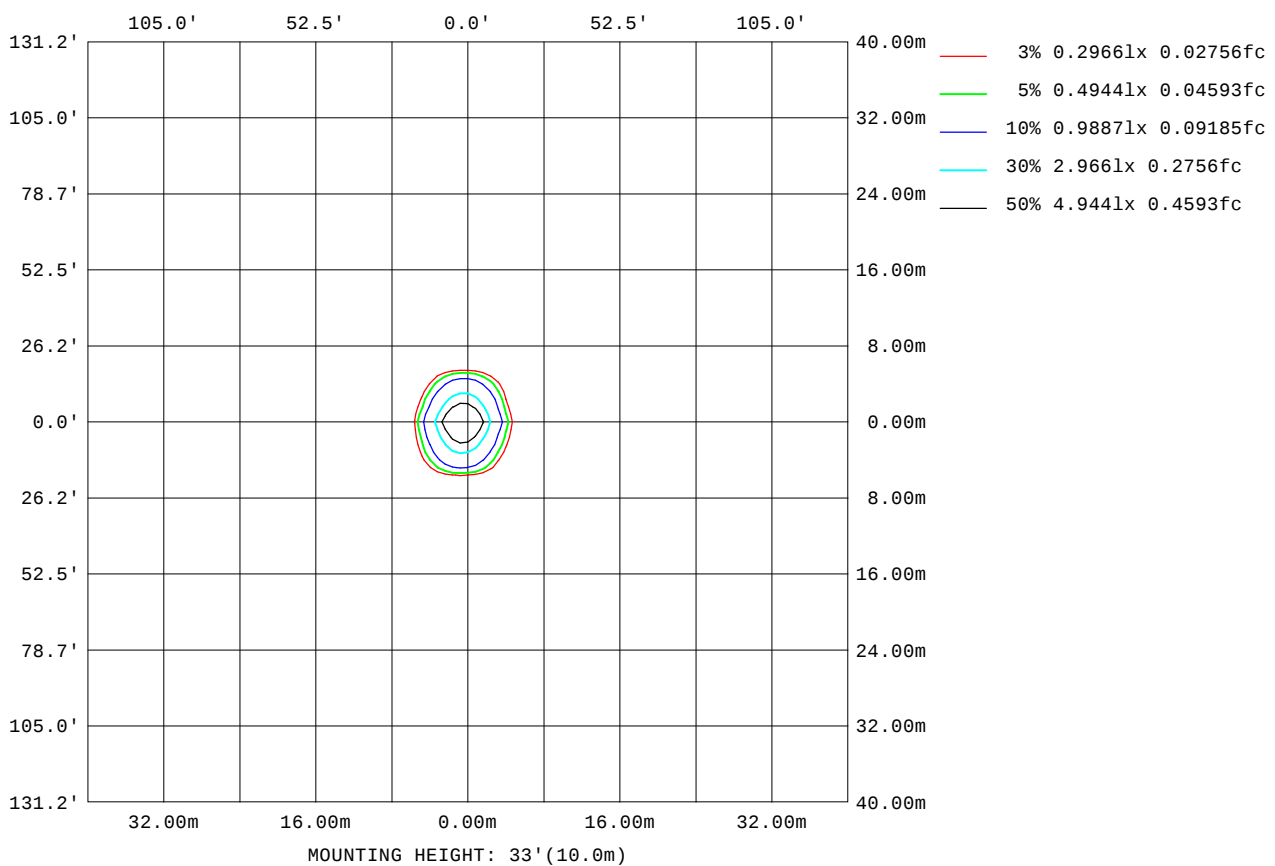
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-16

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: 7.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	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: 2026-08-16

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: 7.300m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.24V I:0.0467A P:4.8473W PF:0.4712 Freq:50.00Hz Lamp Flux:223.273x1 lm		
NAME: 6448-5W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 85*80*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

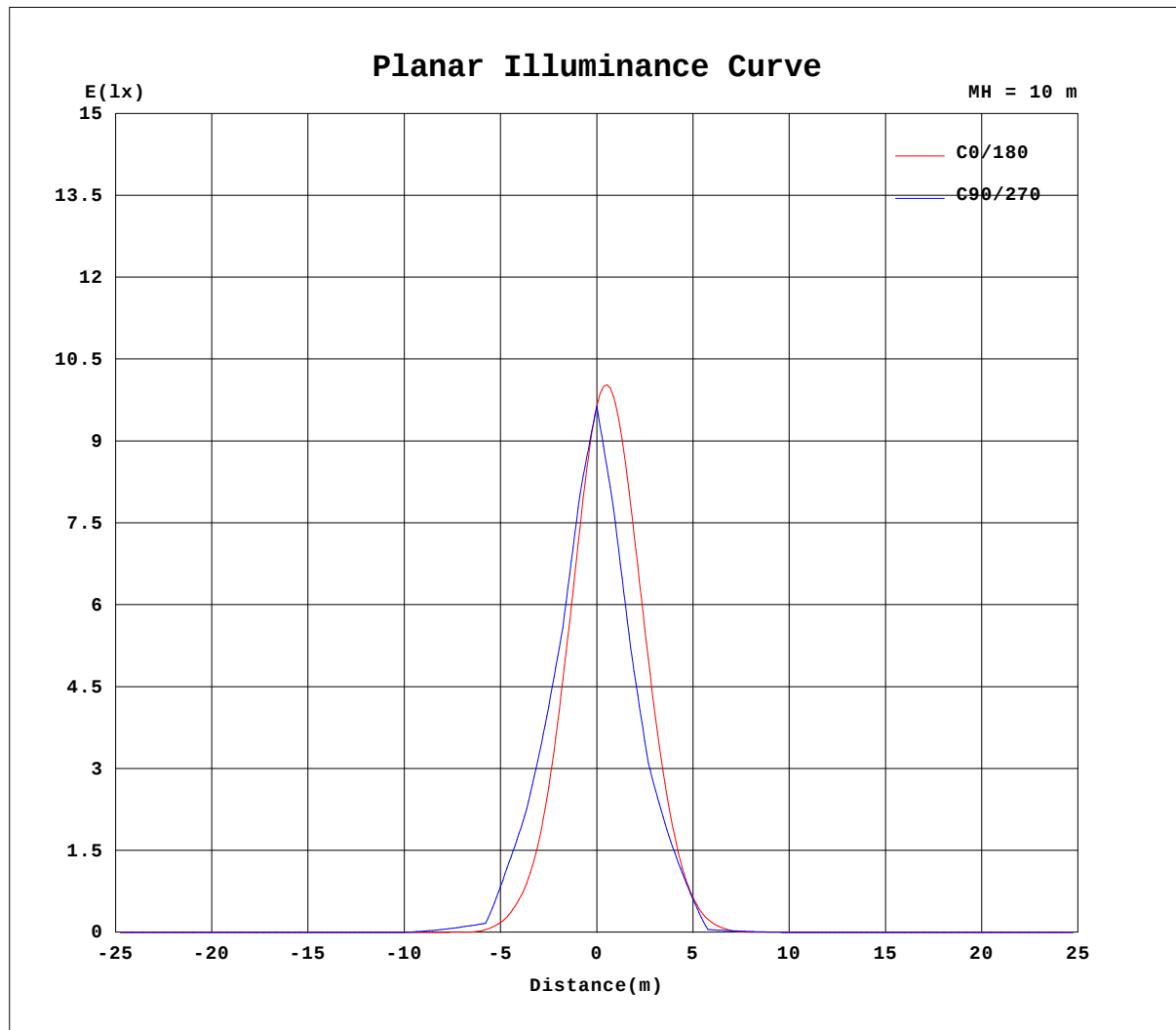
AvgL	cd/m2
L_0~180(65)av	19
L_0~180(75)av	28
L_0~180(85)av	75
L_90~270(65)av	20
L_90~270(75)av	27
L_90~270(85)av	0
L_45(65)av	16
L_45(75)av	24
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-16

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:7.300m [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: 2026-08-16

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: 7.300m [K=1.0000]
Remarks:

