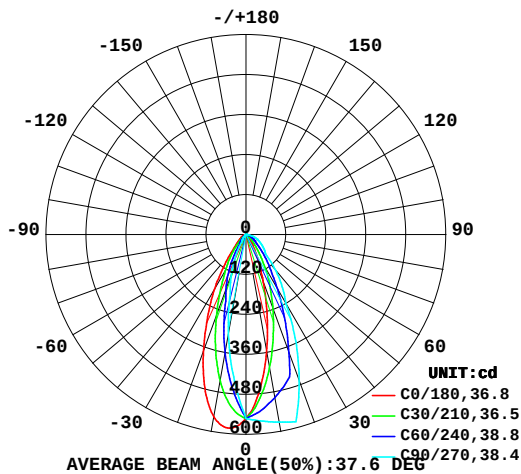


LUMINAIRE PHOTOMETRIC TEST REPORT

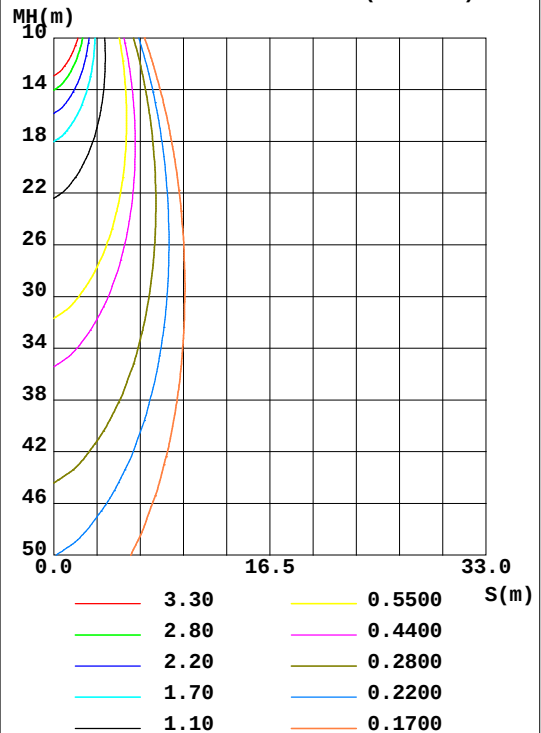
Test:U:220.24V I:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 34.78 lm/W			
MODEL		I _{max} (cd)	595.1	S/MH(C0/180)	0.78
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	354.04	h UP, DN(C0-180)	0.0,70.7
NOMINAL FLUX(lm)	354.04	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,29.3
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	0.65

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:2026-08-25

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	359.0	450.5	571.8	579.0	555.7	401.7	306.3	289.4	0- 10	45.95	45.95	13,13
20	153.7	317.8	468.1	477.3	374.3	207.3	131.1	93.73	10- 20	98.65	144.6	40.8,40.8
30	52.34	149.3	241.1	244.2	189.0	101.2	26.72	29.56	20- 30	88.86	233.5	65.9,65.9
40	16.66	65.17	136.7	116.2	65.34	32.29	11.31	5.700	30- 40	53.82	287.3	81.1,81.1
50	4.942	28.59	72.82	71.17	27.21	11.86	2.921	2.472	40- 50	29.76	317.0	89.5,89.5
60	1.855	12.23	49.36	46.55	15.52	3.082	1.556	1.633	50- 60	19.10	336.1	94.9,94.9
70	1.619	4.085	30.96	23.15	3.914	1.591	1.477	1.605	60- 70	12.37	348.5	98.4,98.4
80	1.382	1.174	0	1.460	1.493	1.077	0	1.253	70- 80	5.148	353.7	99.9,99.9
90	1.037	0	0	0	1.119	0	0	0	80- 90	0.3823	354.0	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): 304.37 lm

%lum = 86.0%

%lamp = 86.0%

Conical surface Flux(120deg): 336.14 lm

%lum = 94.9%

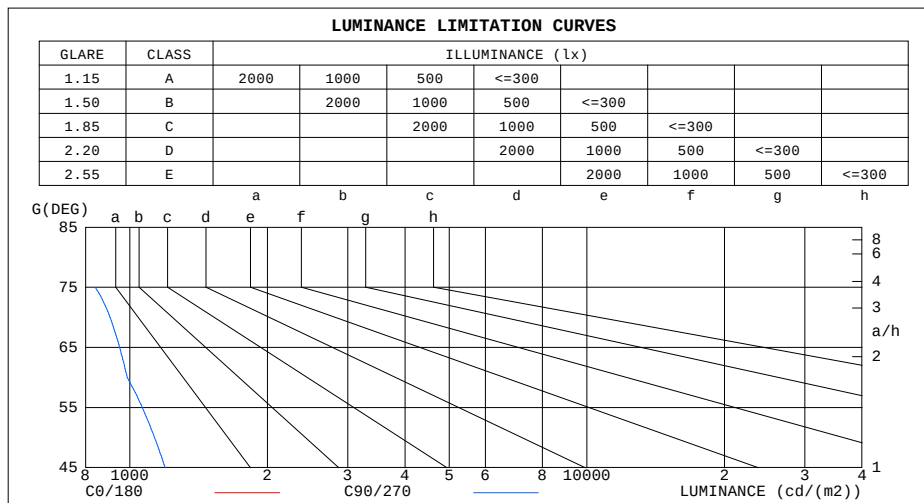
%lamp = 94.9%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	123	0
80	80	0
75	59	841
70	47	905
65	40	950
60	37	987
55	50	1065
50	77	1133
45	131	1196

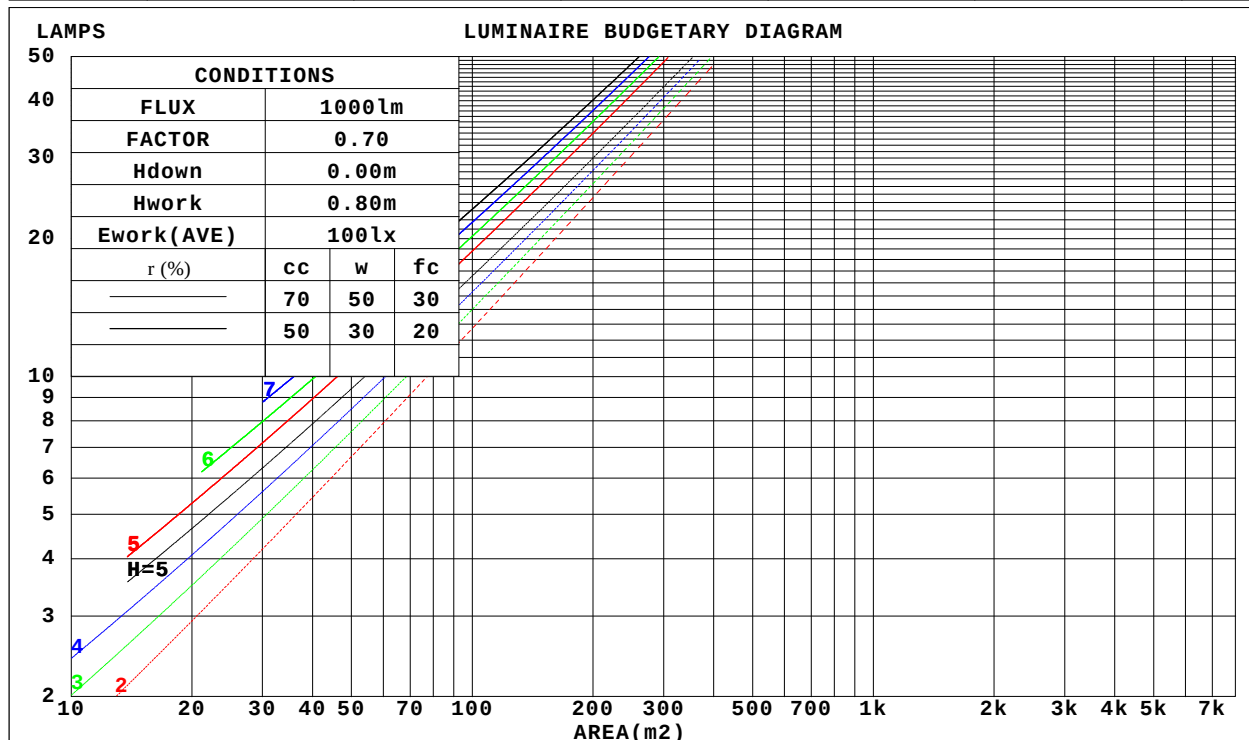
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

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	1.10	1.07	1.04	1.08	1.05	1.03	1.03	1.01	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.93	.88	.84	.92	.87	.83	.89	.85	.82	.87	.83	.80	.85	.82	.79	.77
4.0	.87	.81	.76	.86	.80	.76	.84	.79	.75	.81	.77	.74	.80	.76	.73	.72
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.77	.72	.69	.75	.71	.68	.66
6.0	.76	.70	.65	.75	.69	.65	.74	.68	.64	.72	.67	.64	.71	.67	.63	.62
7.0	.71	.65	.61	.71	.65	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
8.0	.67	.61	.57	.67	.61	.57	.66	.60	.56	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.58	.54	.63	.57	.53	.62	.57	.53	.61	.57	.53	.61	.56	.53	.51
10.0	.60	.55	.51	.60	.54	.50	.59	.54	.50	.58	.54	.50	.58	.53	.50	.49



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

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	.198	.113	.036	.191	.109	.035	.179	.102	.033	.167	.096	.031	.156	.090	.029				
2.0	.190	.104	.032	.184	.101	.031	.173	.096	.030	.163	.092	.029	.154	.087	.027				
3.0	.179	.095	.029	.175	.093	.028	.165	.090	.027	.157	.086	.026	.149	.082	.025				
4.0	.169	.088	.026	.165	.086	.026	.157	.083	.025	.149	.080	.024	.142	.077	.024				
5.0	.160	.081	.024	.156	.080	.023	.149	.078	.023	.142	.075	.022	.136	.073	.022				
6.0	.151	.076	.022	.148	.075	.021	.141	.072	.021	.136	.070	.021	.130	.069	.020				
7.0	.143	.071	.020	.140	.070	.020	.134	.068	.020	.129	.066	.019	.125	.065	.019				
8.0	.136	.066	.019	.133	.065	.019	.128	.064	.018	.124	.063	.018	.119	.061	.018				
9.0	.129	.062	.017	.127	.062	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017				
10.0	.123	.059	.016	.121	.058	.016	.117	.057	.016	.113	.056	.016	.110	.055	.016				

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.076	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.129	.088	.058	.110	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.121	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.114	.071	.041	.098	.062	.036	.068	.043	.025	.039	.025	.015	.013	.008	.005	
8.0	.108	.065	.035	.093	.056	.031	.064	.040	.022	.038	.023	.013	.012	.008	.004	
9.0	.103	.060	.031	.089	.052	.027	.061	.036	.019	.036	.022	.011	.012	.007	.004	
10.0	.098	.055	.027	.084	.048	.023	.059	.034	.017	.034	.020	.010	.011	.007	.003	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm											
NAME: 6472-12W-2700K						TYPE:室内			WEIGHT:		
SPEC.:						DIM.: 100*90*95mm			SERIAL No.:01		
MFR.: NORDECOR						SUR.:			Shielding Angle:36°		
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	5.8	6.9	6.1	7.0	7.2	15.2	16.2	15.4	16.4	16.6	
	3H	5.8	6.7	6.0	6.9	7.1	16.7	17.6	16.9	17.8	18.0
	4H	5.8	6.7	6.1	6.9	7.1	17.4	18.3	17.6	18.5	18.7
	6H	5.8	6.7	6.2	6.9	7.2	17.5	18.3	17.8	18.6	18.8
	8H	5.9	6.7	6.2	7.0	7.3	17.4	18.2	17.7	18.5	18.8
	12H	6.0	6.8	6.4	7.1	7.4	17.4	18.1	17.7	18.4	18.7
4H	2H	6.9	7.8	7.2	8.0	8.2	15.0	15.9	15.3	16.2	16.4
	3H	6.8	7.6	7.2	7.9	8.2	16.6	17.4	16.9	17.6	17.9
	4H	6.8	7.6	7.2	7.9	8.2	17.4	18.1	17.7	18.4	18.7
	6H	6.9	7.6	7.3	7.9	8.2	17.5	18.2	17.9	18.5	18.8
	8H	7.0	7.6	7.4	8.0	8.3	17.5	18.1	17.9	18.4	18.8
	12H	7.2	7.7	7.6	8.1	8.5	17.4	18.0	17.8	18.3	18.7
8H	4H	7.3	7.9	7.7	8.3	8.6	17.2	17.8	17.6	18.2	18.5
	6H	7.4	7.9	7.9	8.3	8.7	17.4	17.9	17.8	18.3	18.7
	8H	7.6	8.0	8.0	8.4	8.9	17.3	17.8	17.8	18.2	18.6
	12H	7.8	8.2	8.3	8.6	9.1	17.3	17.7	17.8	18.1	18.6
12H	4H	7.3	7.8	7.7	8.2	8.6	17.2	17.7	17.6	18.1	18.5
	6H	7.4	7.9	7.9	8.3	8.7	17.3	17.8	17.8	18.2	18.6
	8H	7.6	7.9	8.1	8.4	8.9	17.3	17.7	17.8	18.1	18.6
Variations with the observer position at spacings:											
S = 1.0H	+ 1.8 / - 2.7					+ 0.9 / - 0.6					
1.5H	+ 2.0 / - 2.0					+ 1.9 / - 1.1					
2.0H	+ 2.5 / - 2.9					+ 1.7 / - 2.2					

CIE Pub.117, 354.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.6)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

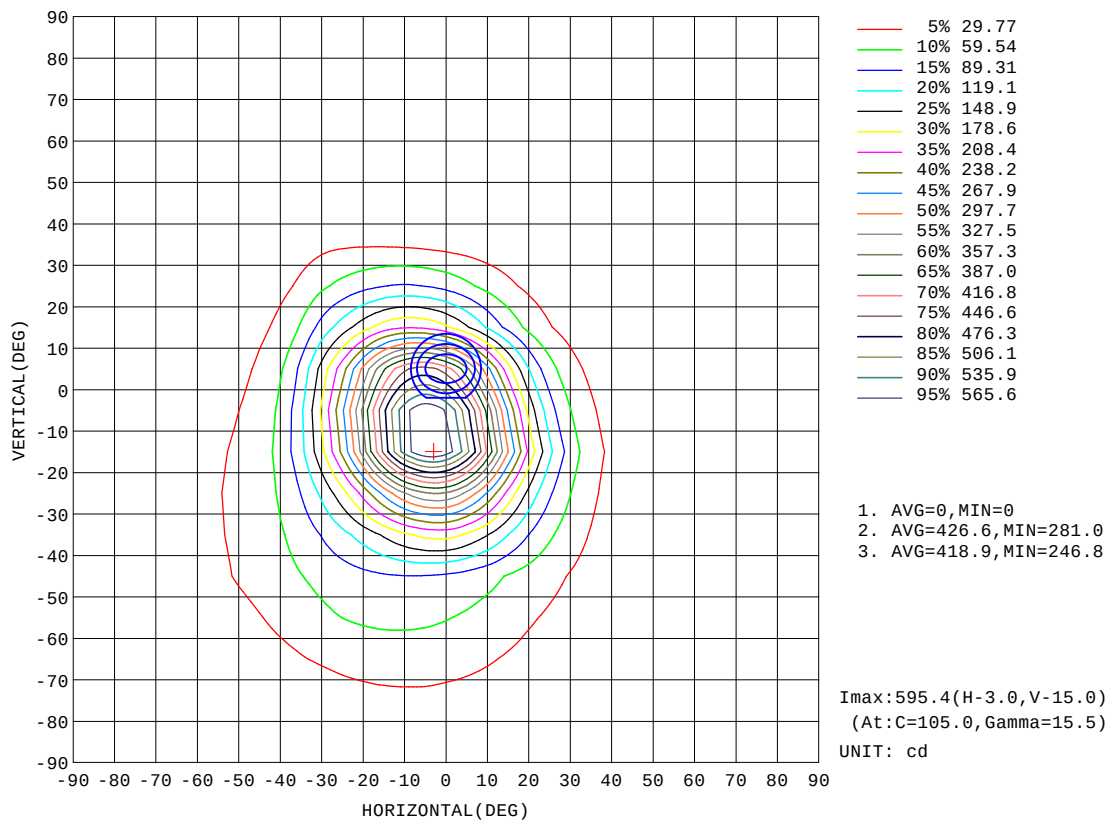
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	72	68	79	72	67	78	72	67	63
0.80	88	81	76	87	80	76	86	80	76	71
1.00	94	87	82	93	86	82	91	86	81	77
1.25	98	92	88	97	91	87	95	90	86	82
1.50	102	96	92	100	95	91	98	93	90	85
2.00	105	100	96	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	97	90
3.00	110	106	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	114	111	109	111	109	107	107	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:2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°



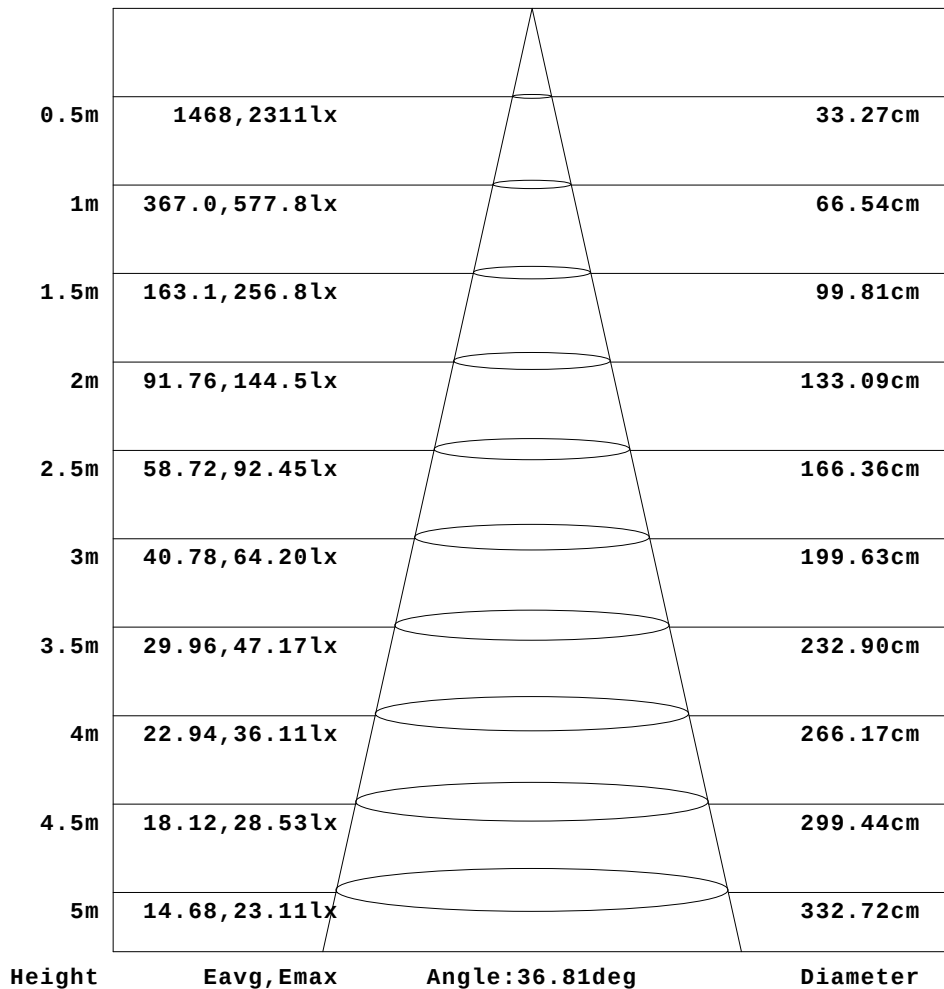
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

Flux out:129.1 lm



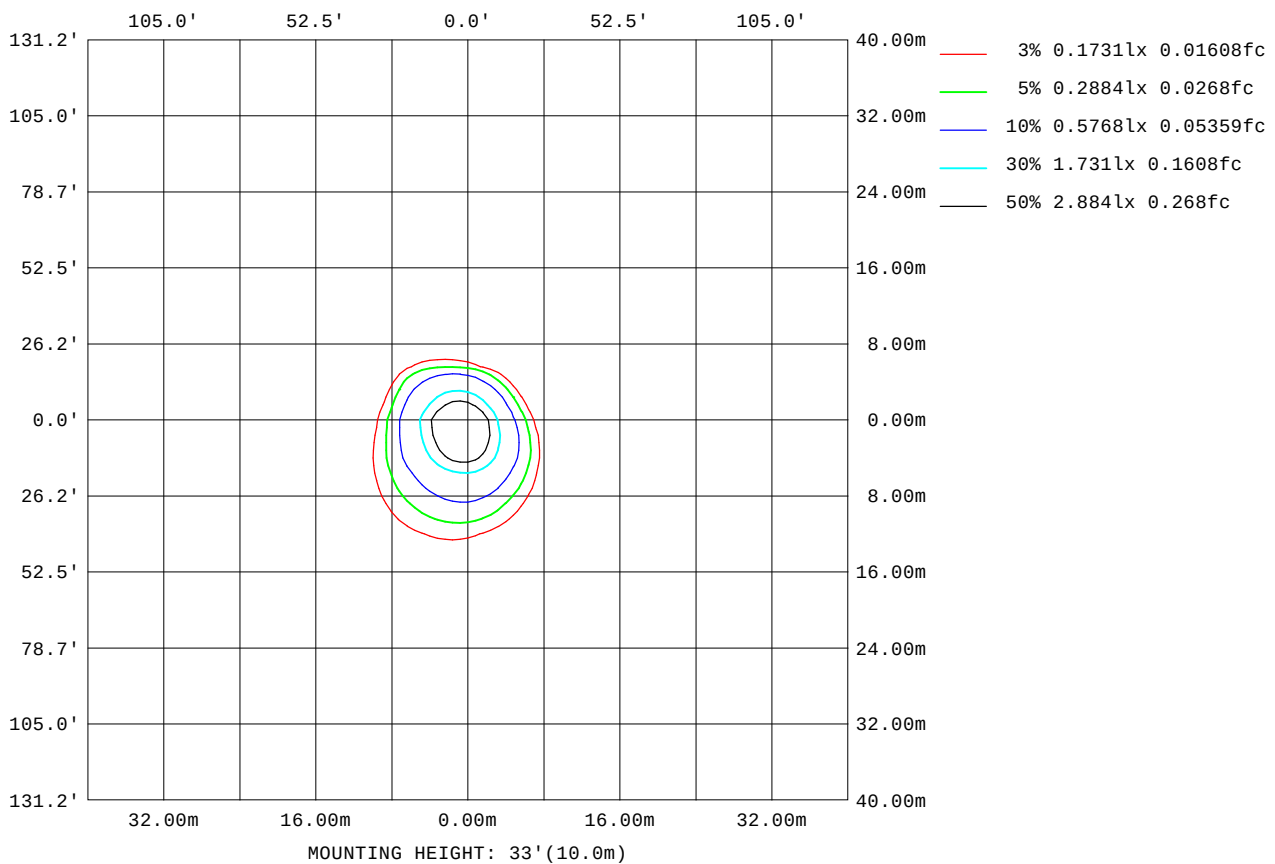
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-08-25

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:0.0965A P:10.179W PF:0.4789 Freq:50.00Hz Lamp Flux:354.04x1 lm		
NAME: 6472-12W-2700K	TYPE:室内	WEIGHT:
SPEC.:	DIM.: 100*90*95mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

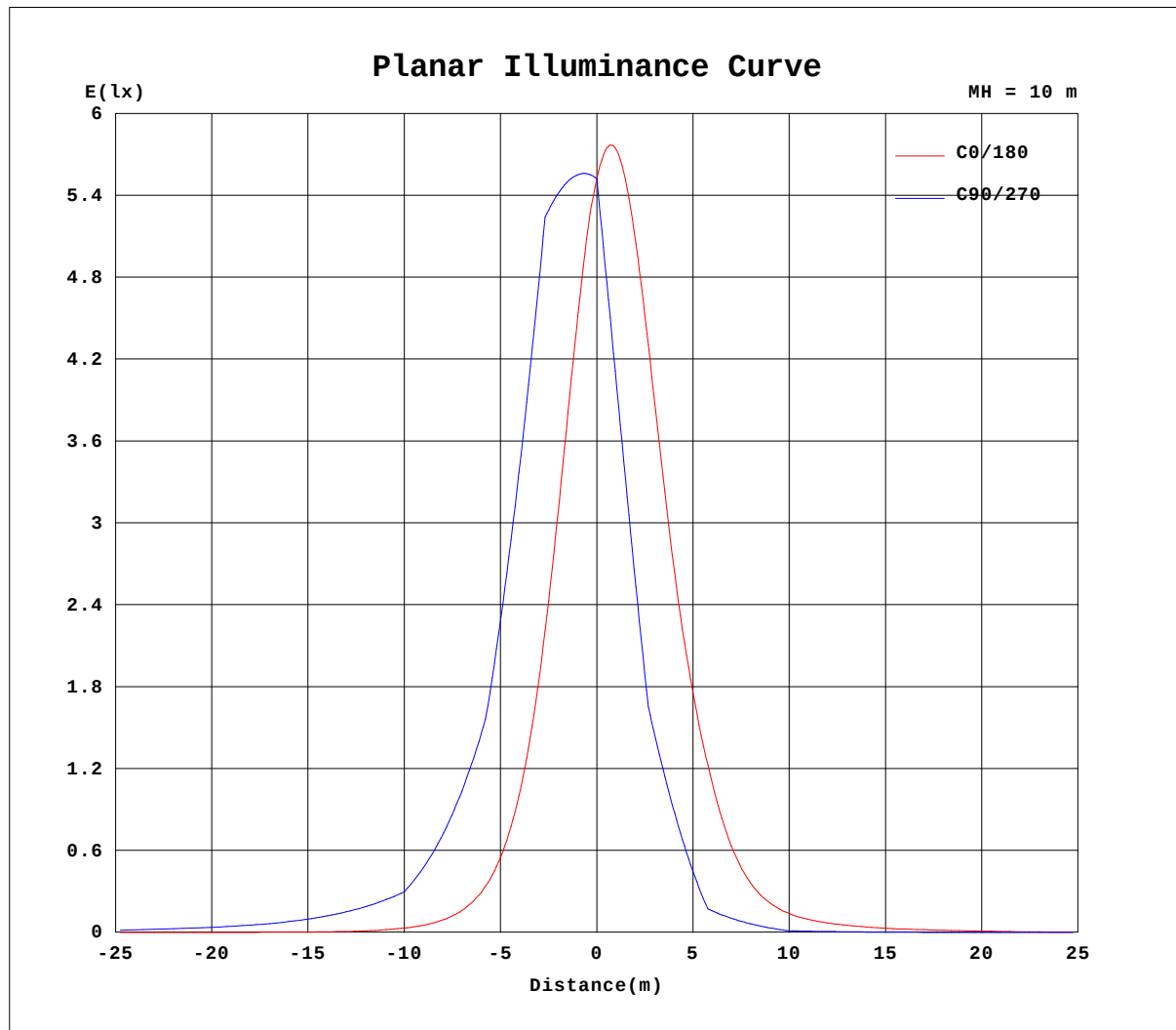
AvgL	cd/m2
L_0~180(65)av	135
L_0~180(75)av	60
L_0~180(85)av	131
L_90~270(65)av	493
L_90~270(75)av	448
L_90~270(85)av	0
L_45(65)av	276
L_45(75)av	157
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-08-25

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: 2026-08-25

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:

