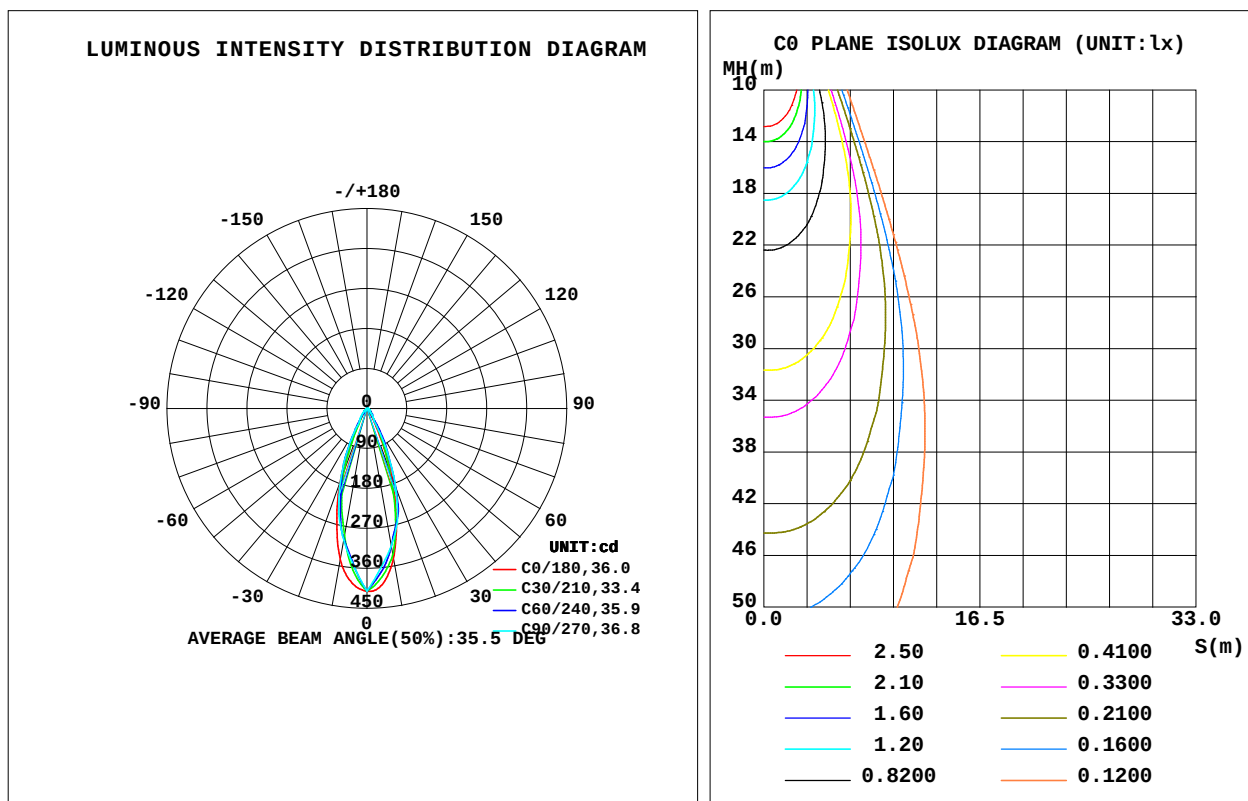


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

DATA OF LAMP		PHOTOMETRIC DATA Eff: 26.78 lm/W			
MODEL		I _{max} (cd)	411.6	S/MH(C0/180)	0.59
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)		TOTAL FLUX(lm)	172.63	h UP, DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	172.628	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,49.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	0	h down(%)	100.0	CIBSE SHR MAX	0.60



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-03-08

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:5.000m [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	343.7	321.6	315.1	300.5	347.0	295.2	301.9	314.3	0- 10	33.50	33.50	19.4, 19.4
20	163.3	189.1	188.8	153.9	178.3	146.9	176.5	183.9	10- 20	66.73	100.2	58.1, 58.1
30	28.57	49.16	32.57	46.66	34.58	46.73	35.20	49.87	20- 30	43.23	143.5	83.1, 83.1
40	9.935	12.40	16.32	11.24	11.05	12.55	17.50	11.96	30- 40	13.51	157.0	90.9, 90.9
50	6.110	6.313	6.851	6.052	6.631	6.655	7.074	6.185	40- 50	6.850	163.8	94.9, 94.9
60	4.133	3.811	4.170	3.737	4.624	3.688	3.918	3.491	50- 60	4.537	168.4	97.5, 97.5
70	1.457	2.223	2.395	2.121	2.125	1.489	1.884	1.517	60- 70	2.860	171.2	99.2, 99.2
80	0.8065	0.6723	0	0.6277	0.8325	0.6106	0	0.6082	70- 80	1.188	172.4	99.9, 99.9
90	0.6958	0	0	0	0.7042	0	0	0	80- 90	0.2165	172.6	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): 160.89 lm

%lum = 93.2%

%lamp = 93.2%

Conical surface Flux(120deg): 168.36 lm

%lum = 97.5%

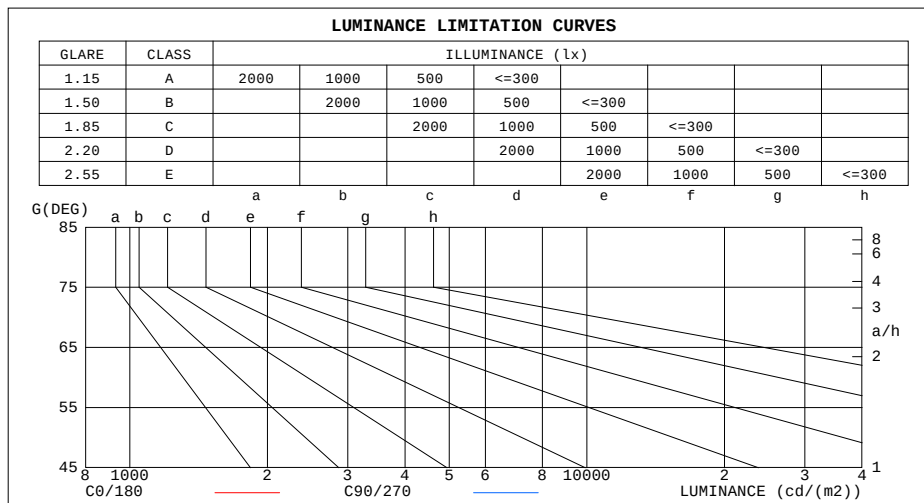
%lamp = 97.5%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-03-08

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:5.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	83	0
80	46	0
75	36	59
70	43	70
65	69	78
60	83	83
55	88	96
50	95	107
45	106	115

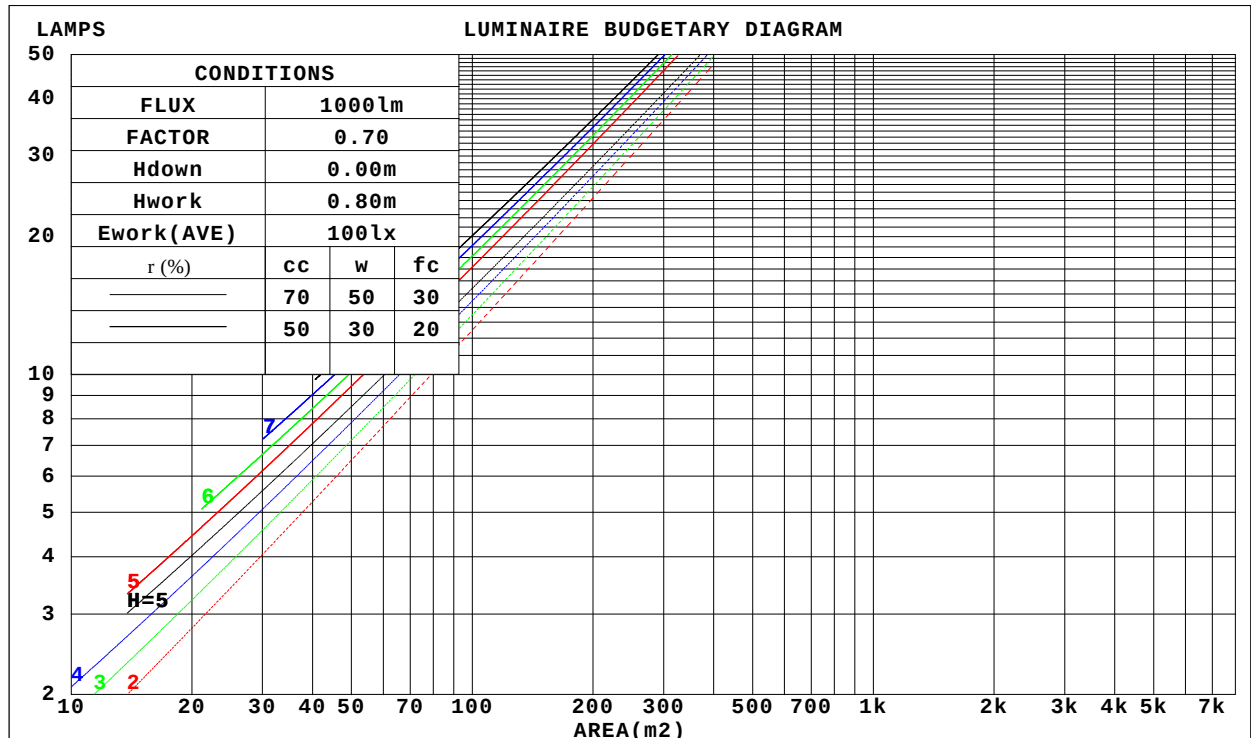
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-03-08

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: 5.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	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	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.98	.93	.90	.97	.92	.89	.94	.91	.88	.92	.89	.86	.89	.87	.85	.84
4.0	.93	.88	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.86	.83	.80	.79
5.0	.88	.83	.79	.87	.82	.78	.85	.81	.78	.84	.80	.77	.82	.79	.76	.75
6.0	.83	.78	.74	.83	.78	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.71
7.0	.80	.74	.71	.79	.74	.70	.78	.73	.70	.77	.73	.70	.76	.72	.69	.68
8.0	.76	.71	.67	.76	.70	.67	.74	.70	.67	.74	.69	.66	.73	.69	.66	.65
9.0	.73	.68	.64	.72	.67	.64	.71	.67	.64	.71	.67	.64	.70	.66	.63	.62
10.0	.70	.65	.61	.69	.65	.61	.69	.64	.61	.68	.64	.61	.67	.64	.61	.60



H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-03-08

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:5.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	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	.169	.096	.030	.163	.093	.029	.150	.086	.027	.139	.080	.026	.128	.074	.024	
2.0	.160	.088	.027	.154	.085	.026	.144	.080	.025	.134	.075	.024	.125	.071	.022	
3.0	.150	.080	.024	.146	.078	.023	.137	.074	.023	.128	.070	.022	.121	.067	.021	
4.0	.142	.074	.022	.138	.072	.021	.130	.069	.021	.123	.066	.020	.116	.063	.019	
5.0	.134	.068	.020	.130	.067	.019	.124	.064	.019	.117	.062	.018	.112	.060	.018	
6.0	.127	.063	.018	.124	.062	.018	.118	.060	.018	.113	.058	.017	.107	.057	.017	
7.0	.120	.059	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016	.103	.054	.016	
8.0	.115	.056	.016	.112	.055	.016	.108	.054	.015	.104	.052	.015	.100	.051	.015	
9.0	.109	.053	.015	.107	.052	.015	.103	.051	.014	.100	.050	.014	.096	.049	.014	
10.0	.105	.050	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.093	.047	.013	

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	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.091	.121	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.074	.112	.085	.065	.077	.059	.045	.044	.035	.027	.014	.011	.009	
5.0	.121	.087	.062	.104	.075	.054	.072	.052	.038	.041	.031	.022	.013	.010	.007	
6.0	.113	.077	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.069	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.059	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-03-08

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: 5.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm											
NAME: 80072						TYPE:室内灯具			WEIGHT:		
SPEC.:7W						DIM.: 8CM*6CM			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	5.1	6.0	5.4	6.1	6.3	5.9	6.7	6.1	6.9	7.0	
	3H	5.8	6.6	6.1	6.8	7.0	6.7	7.5	7.0	7.7	7.9
	4H	6.0	6.7	6.2	6.9	7.1	7.0	7.8	7.3	8.0	8.2
	6H	6.1	6.8	6.4	7.0	7.3	7.1	7.8	7.3	8.0	8.2
	8H	6.2	6.9	6.5	7.1	7.4	7.0	7.7	7.3	7.9	8.2
	12H	6.4	7.1	6.7	7.3	7.6	7.0	7.6	7.3	7.9	8.2
4H	2H	5.5	6.2	5.8	6.5	6.7	6.1	6.9	6.4	7.1	7.3
	3H	6.4	7.0	6.7	7.3	7.6	7.2	7.8	7.5	8.1	8.4
	4H	6.5	7.1	6.9	7.4	7.7	7.6	8.2	7.9	8.5	8.8
	6H	6.8	7.3	7.1	7.6	8.0	7.6	8.2	8.0	8.5	8.8
	8H	6.9	7.4	7.3	7.8	8.1	7.6	8.1	8.0	8.4	8.8
	12H	7.2	7.7	7.6	8.0	8.4	7.5	8.0	7.9	8.3	8.7
8H	4H	6.7	7.2	7.1	7.6	7.9	7.7	8.2	8.1	8.5	8.9
	6H	7.0	7.4	7.5	7.8	8.2	7.7	8.1	8.1	8.5	8.9
	8H	7.3	7.7	7.7	8.1	8.5	7.7	8.0	8.1	8.4	8.9
	12H	7.7	8.0	8.2	8.5	8.9	7.6	7.9	8.1	8.4	8.8
12H	4H	6.7	7.1	7.1	7.5	7.9	7.7	8.1	8.1	8.5	8.9
	6H	7.0	7.4	7.5	7.8	8.2	7.7	8.1	8.1	8.5	8.9
	8H	7.3	7.6	7.7	8.0	8.5	7.6	7.9	8.1	8.4	8.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.6 / - 0.8					+ 0.7 / - 1.0					
1.5H	+ 0.7 / - 0.5					+ 1.7 / - 0.7					
2.0H	+ 0.7 / - 0.8					+ 0.6 / - 0.7					

CIE Pub.117, 172.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.1)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-03-08

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:5.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

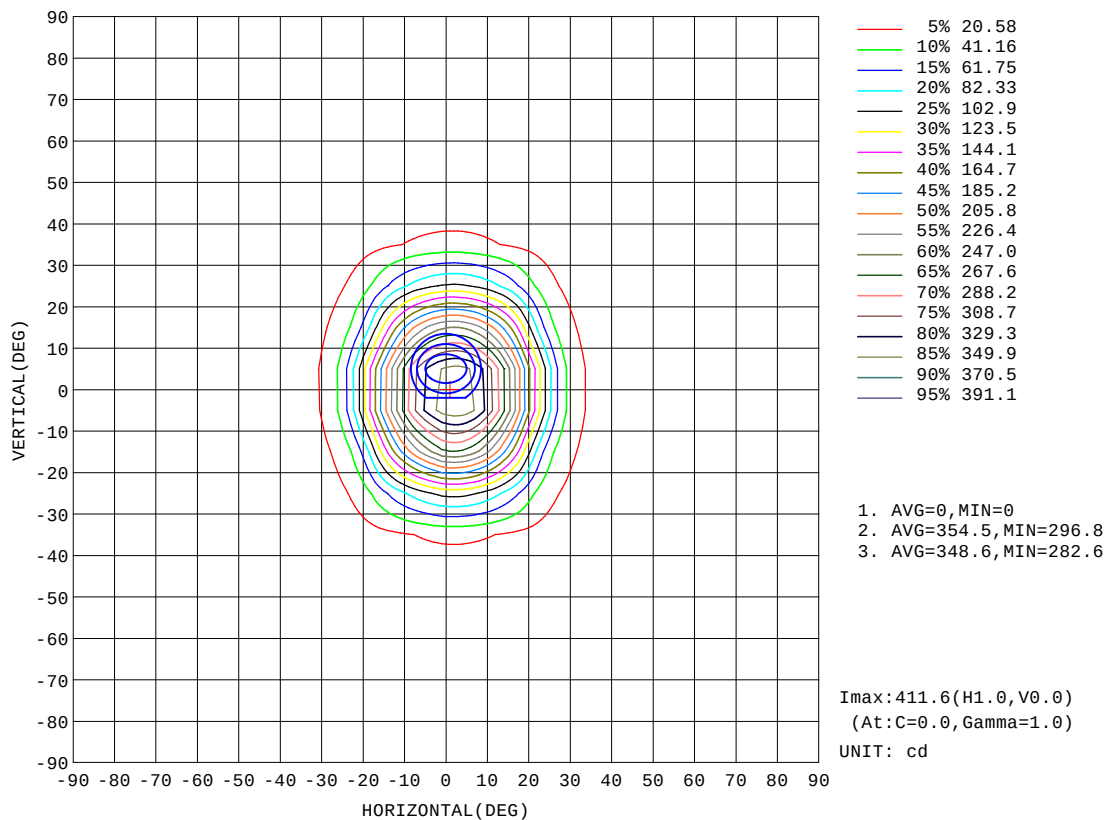
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	85	79	75	71
0.80	93	87	83	93	87	83	92	86	83	79
1.00	98	92	88	97	92	88	96	92	88	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	104	100	98	92
2.50	110	106	102	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	109	109	107	106	98
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:2026-03-08

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:5.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°



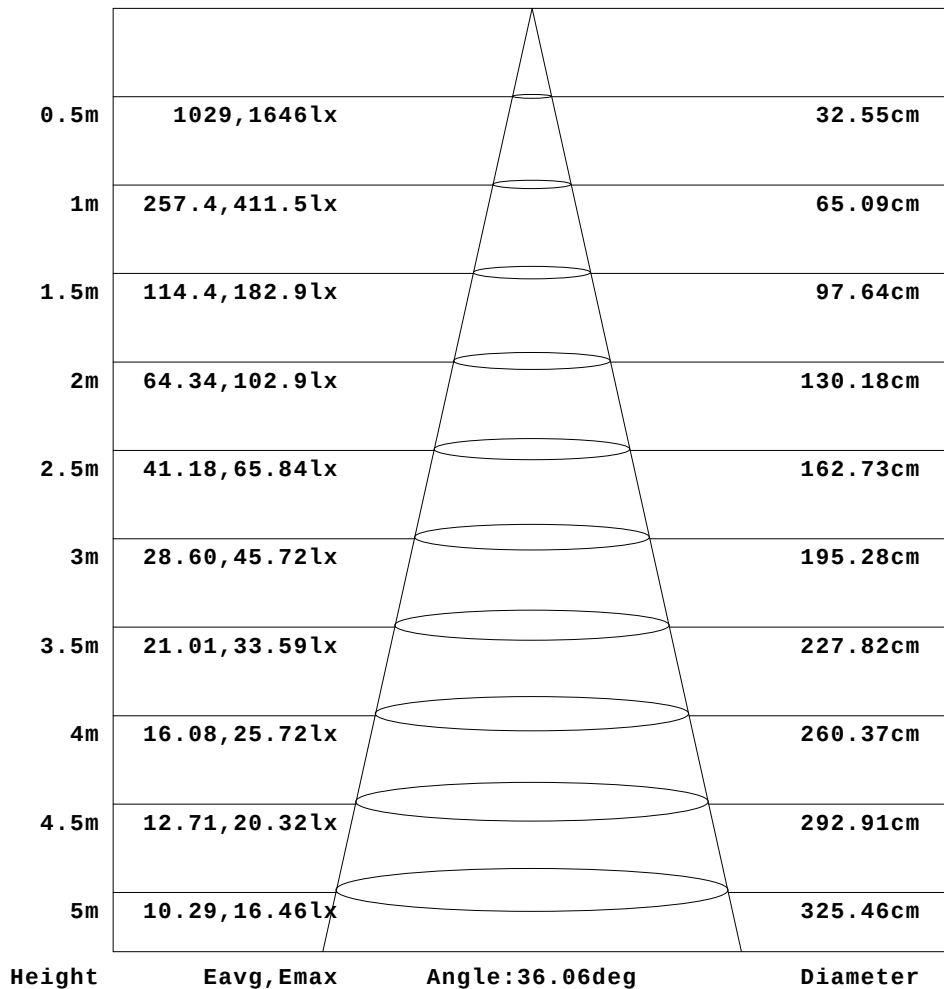
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-03-08

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: 5.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

Flux out:90.52 lm



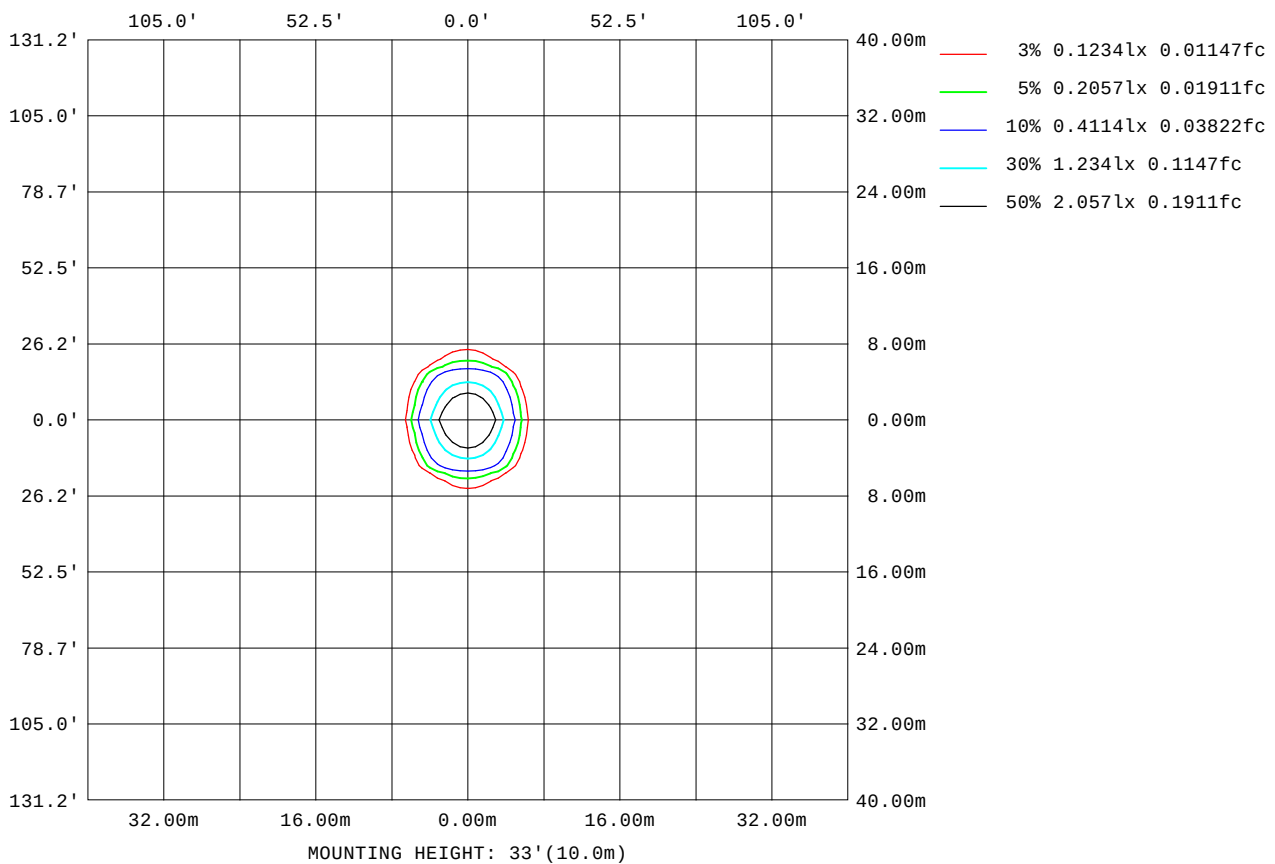
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-03-08

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:5.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	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: 2026-03-08

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: 5.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.16V I:0.0591A P:6.4450W PF:0.4957 Freq:50.00Hz Lamp Flux:172.628x1 lm		
NAME: 80072	TYPE:室内灯具	WEIGHT:
SPEC.:7W	DIM.: 8CM*6CM	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:36°

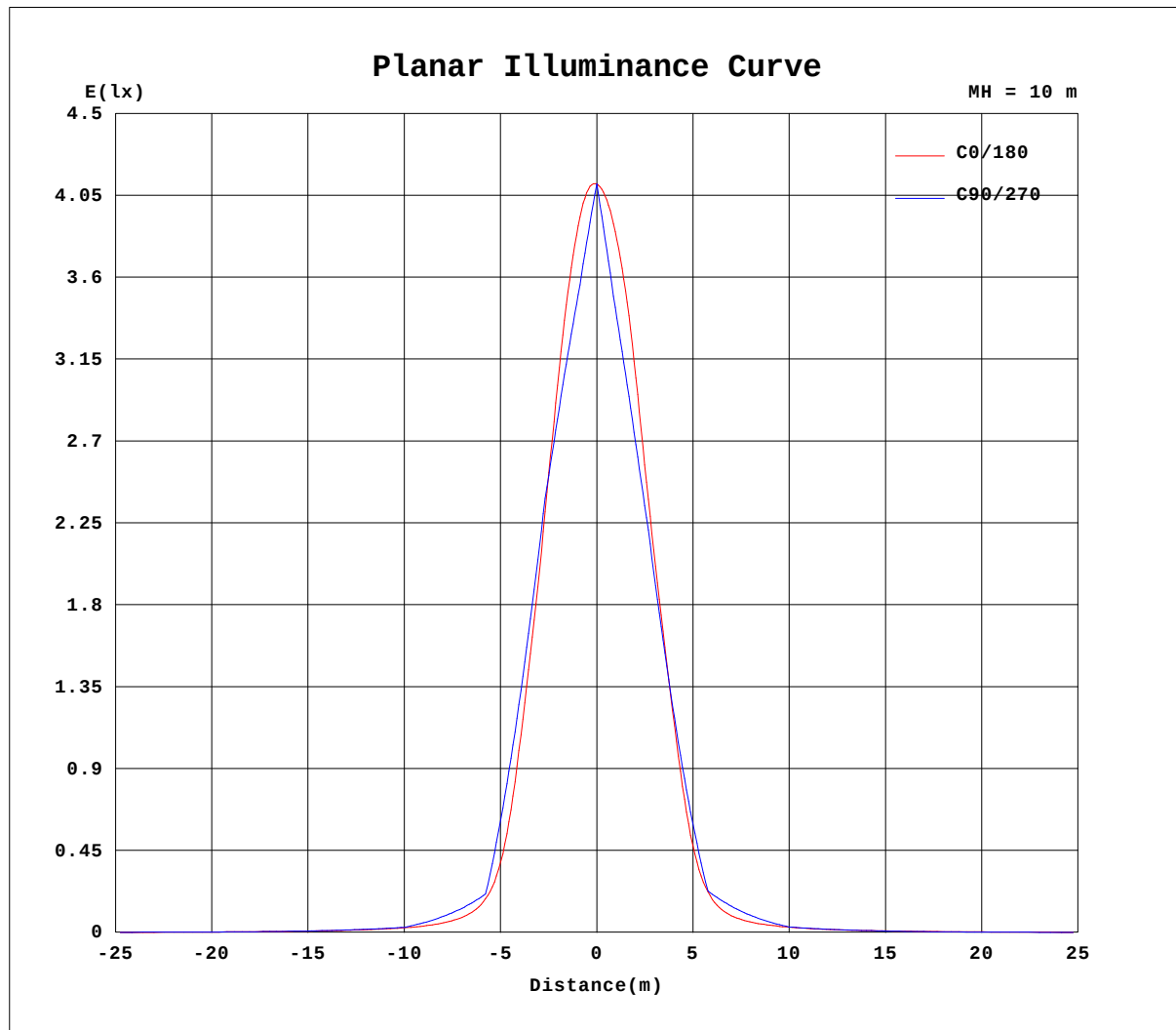
AvgL	cd/m2
L_0~180(65)av	77
L_0~180(75)av	38
L_0~180(85)av	85
L_90~270(65)av	73
L_90~270(75)av	47
L_90~270(85)av	0
L_45(65)av	64
L_45(75)av	48
L_45(85)av	0

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-03-08

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:5.000m [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: 2026-03-08

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: 5.000m [K=1.0000]
Remarks:

