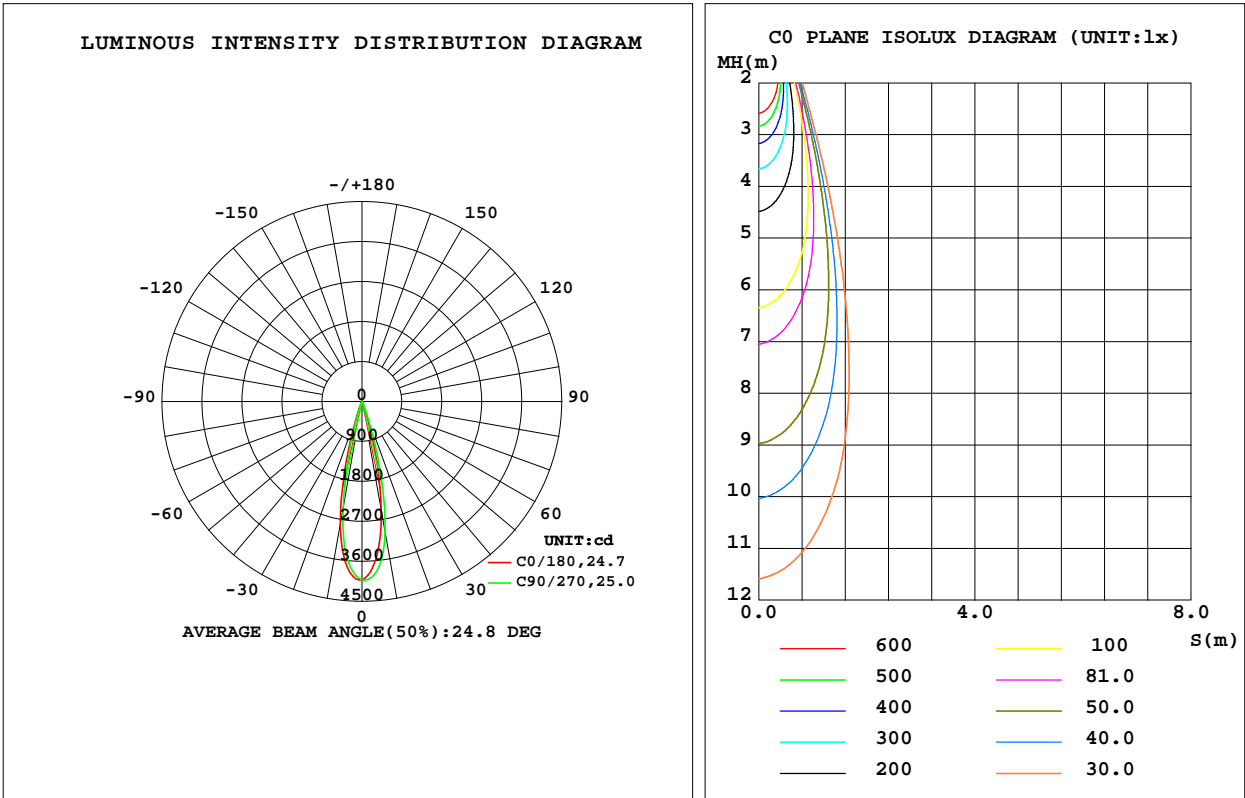


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.53 lm/W
MODEL	C9-92-1002-3000K	Imax(cd)	4029	S/MH(C0/180)	0.40	
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.37	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	737.83	h UP,DN(C0-180)	0.0,53.7	
NOMINAL FLUX(lm)	737.831	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,46.3	
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	



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

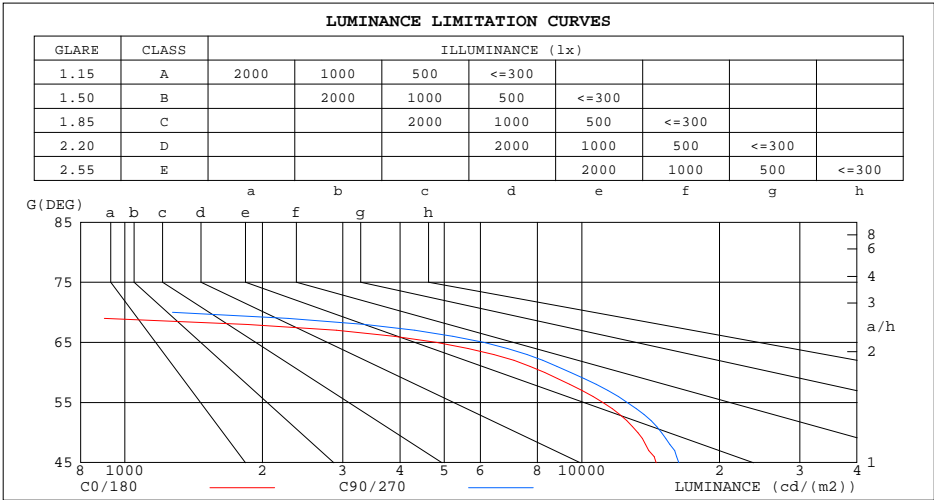
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	2528	2805	3002	3011	2827	2561	2477	2385	0- 10	320.9	320.9	43.5,43.5
20	267.0	381.5	430.7	415.4	344.6	227.2	207.4	201.7	10- 20	341.8	662.7	89.8,89.8
30	32.40	37.52	39.04	36.67	34.49	30.02	30.45	28.76	20- 30	45.11	707.8	95.9,95.9
40	12.64	13.85	14.58	14.87	14.67	14.10	13.36	12.52	30- 40	12.82	720.7	97.7,97.7
50	8.650	9.236	9.783	10.26	10.07	9.652	9.033	8.619	40- 50	8.860	729.5	98.9,98.9
60	4.203	4.652	4.811	4.839	4.481	4.103	3.903	3.945	50- 60	6.132	735.6	99.7,99.7
70	0.2119	0.3489	0.4428	0.3044	0.1847	0.2217	0.1389	0.1919	60- 70	2.101	737.7	100,100
80	0	0	0.0001	0	0	0	0	0	70- 80	0.0858	737.8	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0000	737.8	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		

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA



LUMINANCE cd/(m2)		
G(180)	G(270)	
85	0	0
80	0	1
75	314	472
70	611	1272
65	4811	6106
60	8293	9450
55	11129	12580
50	13274	14947
45	14531	16311

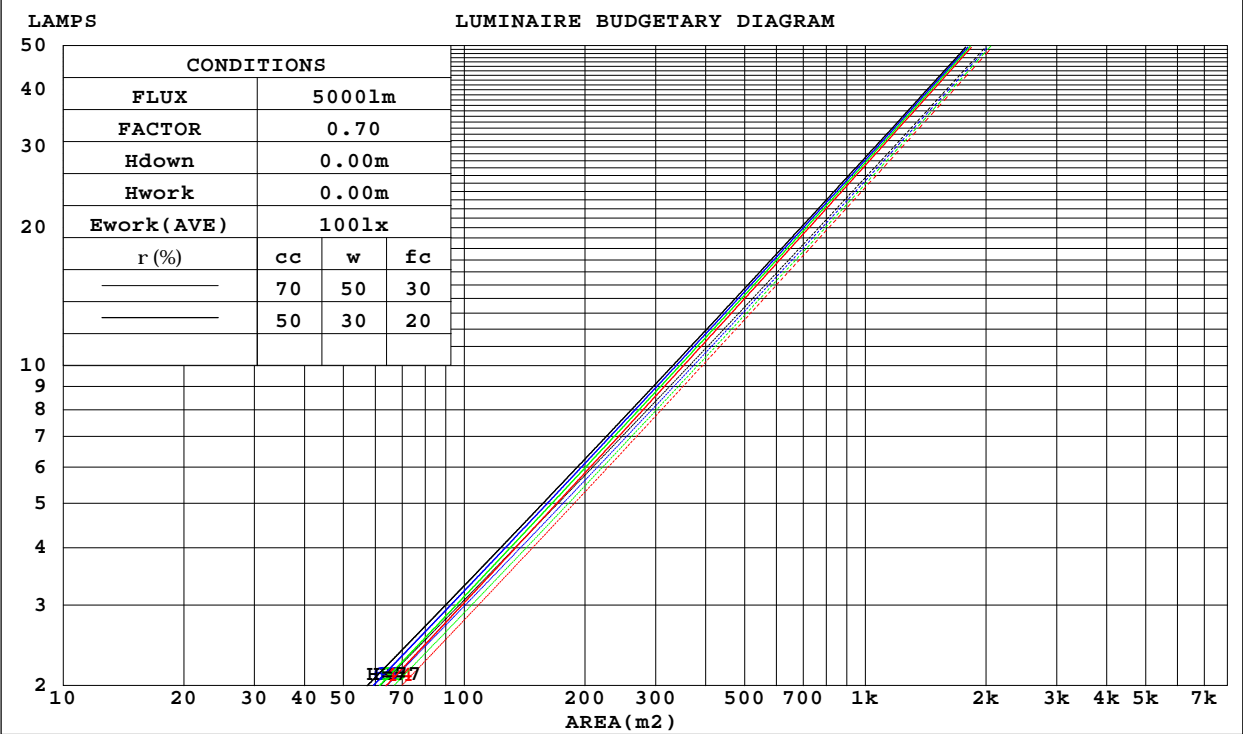
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	1.13	1.11	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.00	.00	.99	.97
2.0	1.08	1.06	1.03	1.07	1.04	1.02	1.04	1.02	.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.04	1.01	.98	1.03	.00	.97	1.01	.98	.96	.98	.96	.95	.96	.95	.93	.92
4.0	1.01	.97	.94	.00	.96	.94	.98	.95	.93	.96	.94	.92	.94	.92	.91	.90
5.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.94	.91	.89	.92	.90	.88	.87
6.0	.95	.91	.88	.94	.90	.88	.93	.90	.87	.92	.89	.87	.90	.88	.86	.85
7.0	.92	.88	.86	.92	.88	.85	.91	.87	.85	.90	.87	.85	.89	.86	.84	.83
8.0	.90	.86	.83	.89	.86	.83	.88	.85	.83	.88	.85	.83	.87	.84	.82	.82
9.0	.88	.84	.82	.87	.84	.81	.87	.83	.81	.86	.83	.81	.85	.83	.81	.80
10.0	.86	.82	.80	.85	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.78



WEC AND CCEC

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	.168	.158	.149	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.149	.133	.119	.128	.114	.103	.088	.079	.072	.050	.046	.042	.016	.015	.014	
3.0	.134	.113	.097	.115	.098	.084	.079	.068	.059	.045	.040	.035	.015	.013	.011	
4.0	.121	.098	.080	.104	.084	.070	.071	.059	.049	.041	.034	.029	.013	.011	.010	
5.0	.110	.085	.067	.094	.074	.058	.065	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.101	.075	.057	.086	.065	.050	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.093	.067	.049	.080	.058	.042	.055	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.086	.060	.042	.074	.052	.037	.051	.036	.026	.030	.022	.015	.010	.007	.005	
9.0	.080	.054	.037	.069	.047	.032	.048	.033	.023	.028	.019	.014	.009	.006	.004	
10.0	.075	.049	.032	.065	.043	.028	.045	.030	.020	.026	.018	.012	.008	.006	.004	

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm											
NAME: DP-M1CRO明装筒灯						TYPE:		WEIGHT:			
SPEC.:ZHT-Y2-35-24°						DIM.:		SERIAL No.:			
MFR.: 石客照明						SUR.:36		Shielding Angle:NA			
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	11.3	11.8	11.4	12.0	12.1	11.8	12.4	12.0	12.5	12.7	
	3H	11.3	11.8	11.5	12.0	12.2	11.9	12.4	12.1	12.6	12.8
	4H	11.2	11.7	11.4	11.9	12.1	11.8	12.3	12.0	12.5	12.7
	6H	11.1	11.6	11.4	11.8	12.1	11.7	12.2	12.0	12.4	12.7
	8H	11.1	11.5	11.3	11.8	12.0	11.7	12.1	11.9	12.4	12.6
	12H	11.0	11.5	11.3	11.7	12.0	11.6	12.1	11.9	12.3	12.6
4H	2H	11.5	12.0	11.7	12.2	12.4	11.9	12.5	12.2	12.7	12.9
	3H	11.4	11.9	11.7	12.2	12.4	12.0	12.4	12.3	12.7	13.0
	4H	11.4	11.8	11.7	12.1	12.4	11.9	12.3	12.2	12.6	12.9
	6H	11.2	11.6	11.6	12.0	12.3	11.8	12.2	12.1	12.5	12.8
	8H	11.2	11.6	11.6	11.9	12.3	11.7	12.1	12.1	12.4	12.8
	12H	11.1	11.5	11.5	11.8	12.2	11.7	12.0	12.1	12.4	12.7
8H	4H	11.2	11.6	11.6	11.9	12.3	11.7	12.1	12.1	12.4	12.8
	6H	11.1	11.4	11.5	11.8	12.2	11.6	11.9	12.0	12.3	12.7
	8H	11.0	11.3	11.5	11.7	12.1	11.5	11.8	12.0	12.2	12.7
	12H	11.0	11.2	11.4	11.6	12.1	11.5	11.7	11.9	12.2	12.6
12H	4H	11.1	11.5	11.5	11.8	12.2	11.7	12.0	12.1	12.4	12.8
	6H	11.0	11.3	11.5	11.7	12.1	11.5	11.8	12.0	12.2	12.7
	8H	11.0	11.2	11.4	11.6	12.1	11.5	11.7	11.9	12.2	12.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.9 / - 1.3					+ 0.8 / - 1.2					
1.5H	+ 0.3 / - 0.7					+ 0.4 / - 0.9					
2.0H	+ 1.4 / - 2.2					+ 1.5 / - 2.3					

CIE Pub.117, 737.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.1)  
Area: 0.00101736 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

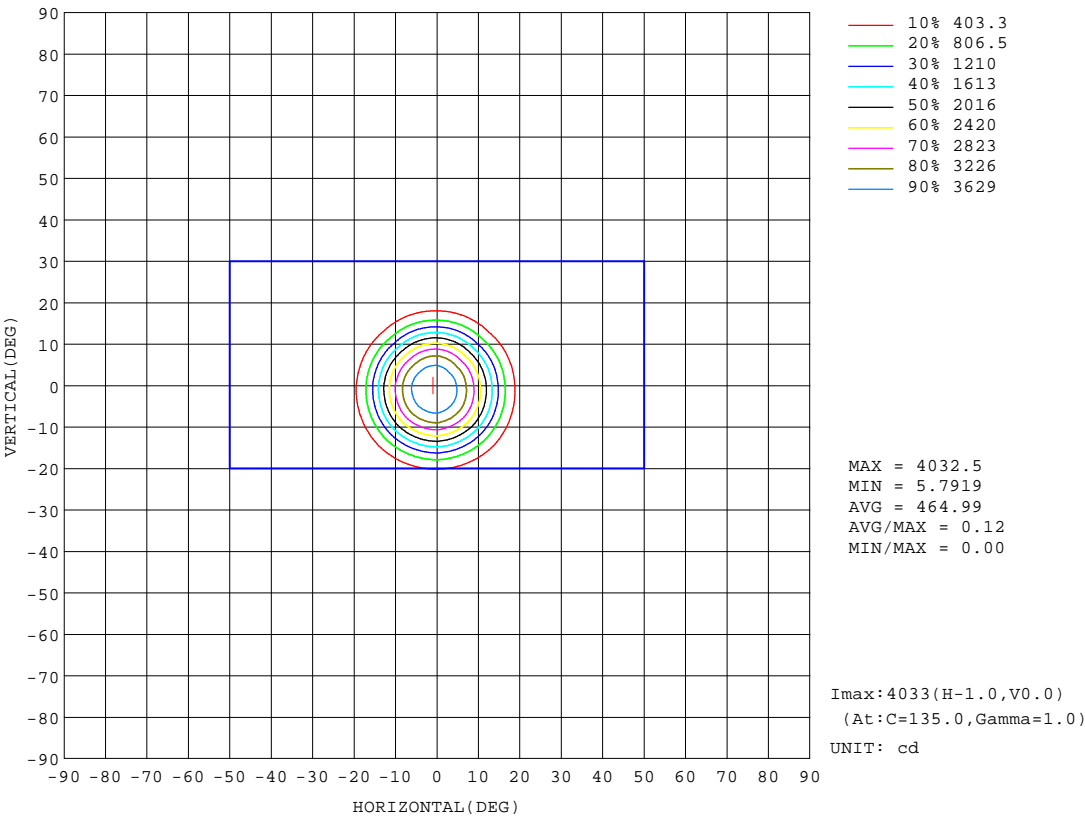
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	91	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	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		

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:谭玉珠  
 Test Date:2026-06-02

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.446m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.83lx1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

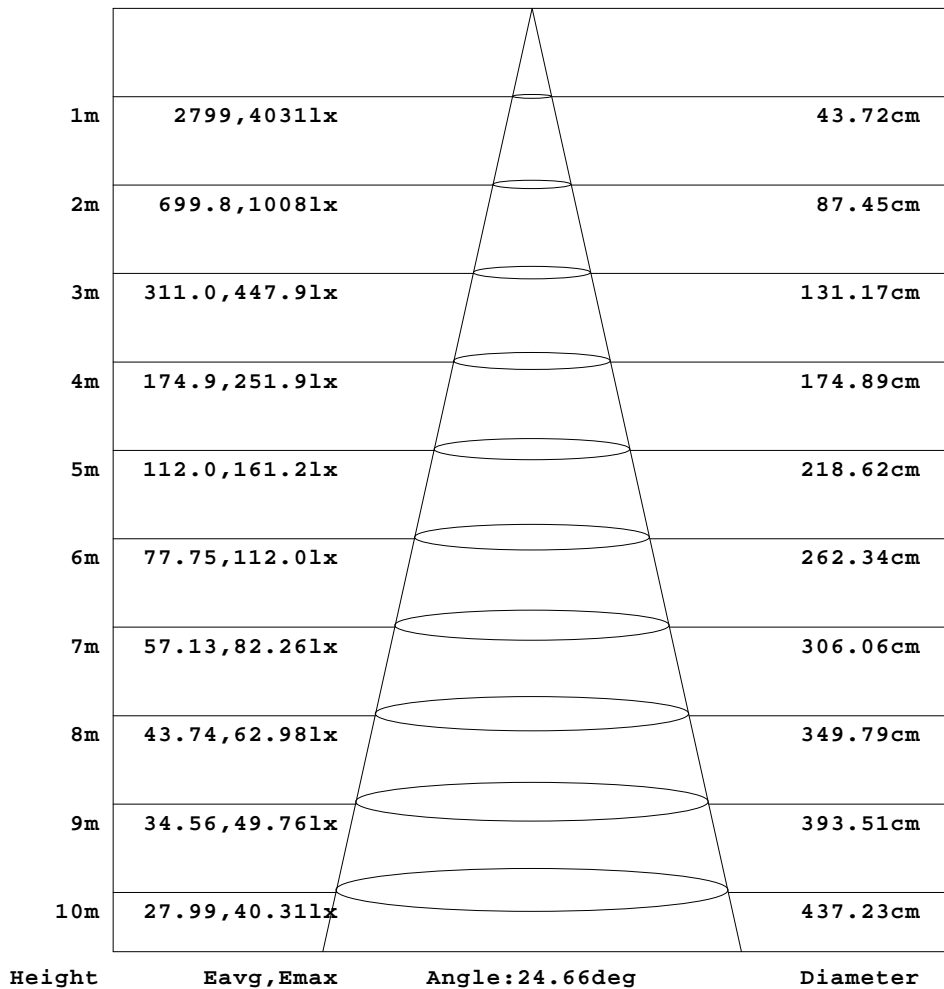
g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:



AAI Figure

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

Flux out:468.7 lm



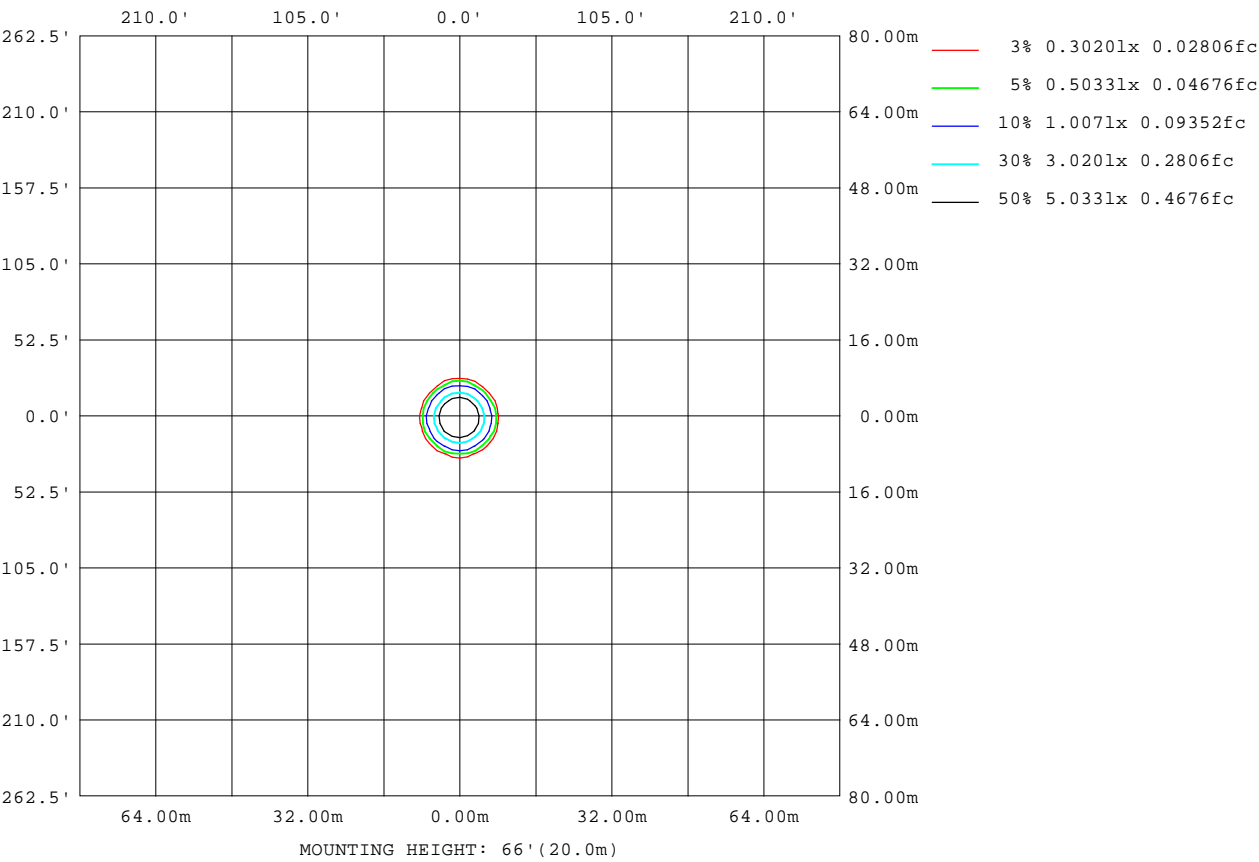
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 谭玉珠  
Test Date: 2026-06-02

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity: 65.0%  
Test Distance: 8.446m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:219.99V I:0.0681A P:8.2415W PF:0.5497 Freq:64.98Hz Lamp Flux:737.831x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-24°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

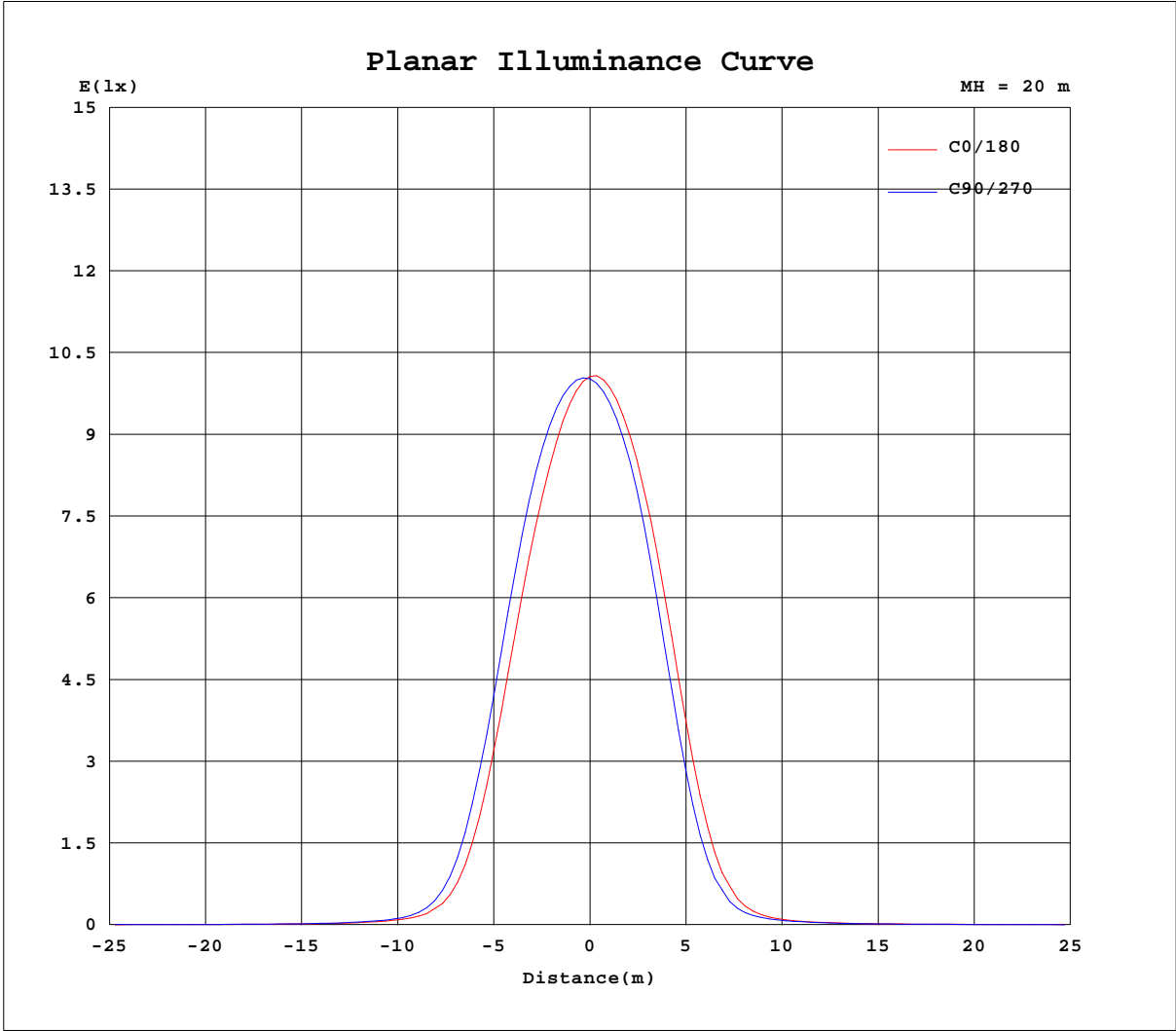
AvgL	cd/m2
L_0~180(65)av	4895
L_0~180(75)av	263
L_0~180(85)av	0
L_90~270(65)av	4911
L_90~270(75)av	246
L_90~270(85)av	0
L_45(65)av	4911
L_45(75)av	284
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:谭玉珠  
Test Date:2026-06-02

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.446m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 谭玉珠  
Test Date: 2026-06-02

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity: 65.0%  
Test Distance: 8.446m [K=1.0000]  
Remarks:

