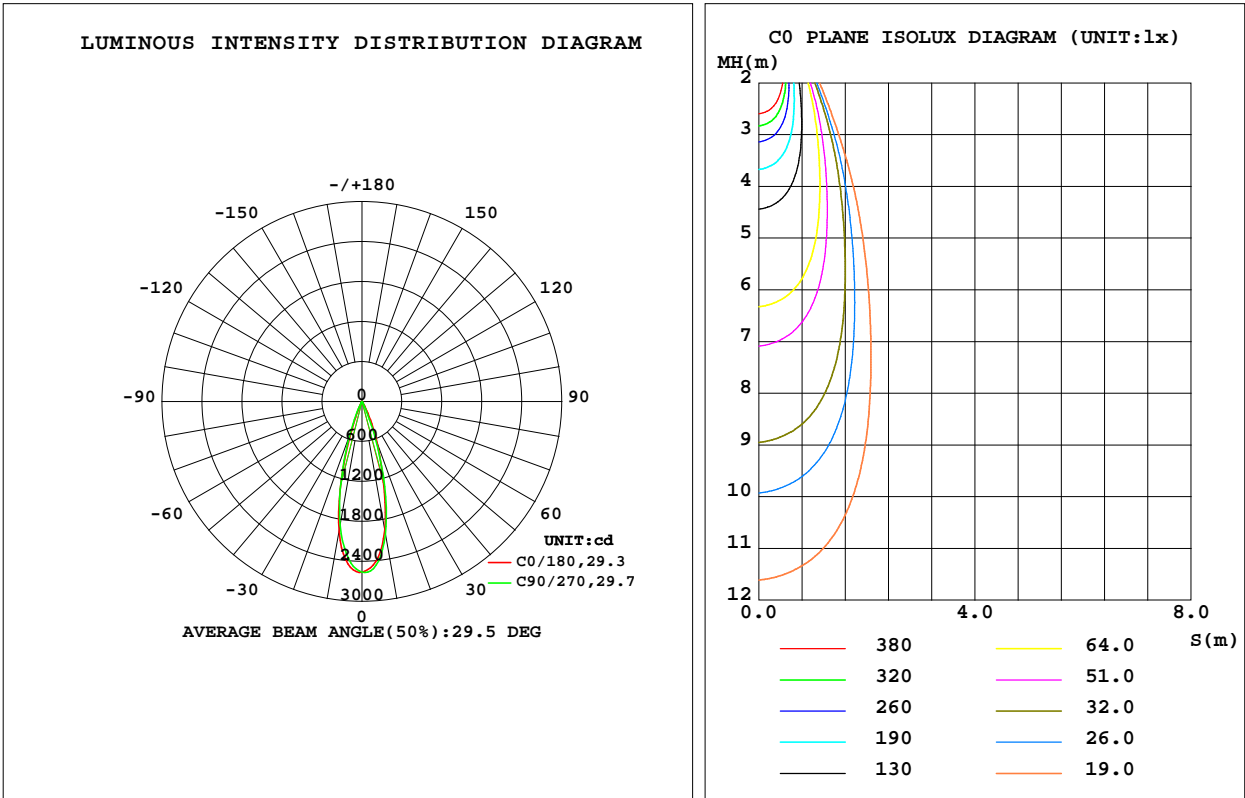


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 84.01 lm/W
MODEL	C9-92-1002-3000K	Imax(cd)	2571	S/MH(C0/180)	0.45	
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.47	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	688.00	h UP,DN(C0-180)	0.0,52.2	
NOMINAL FLUX(lm)	688.004	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,47.8	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	0.50	



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:

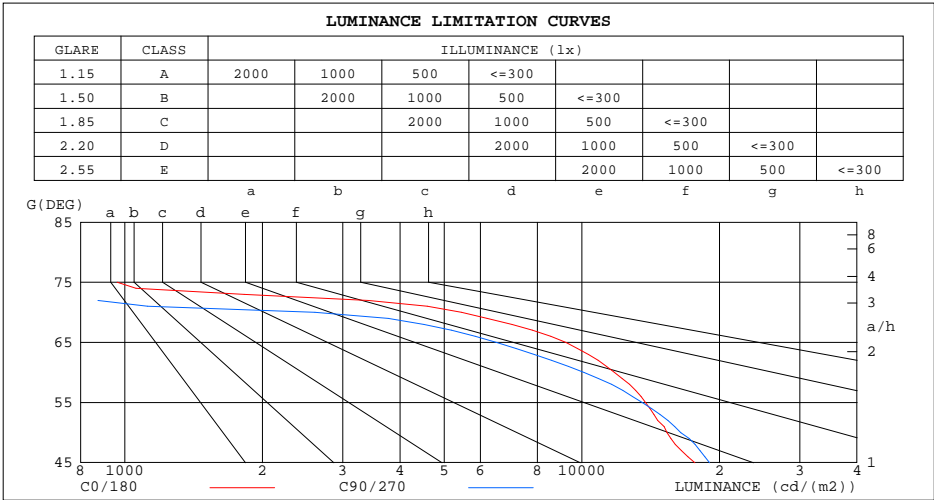
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1968	2029	2033	2020	1989	1919	1895	1876	0- 10	216.7	216.7	31.5,31.5
20	677.2	689.4	598.5	497.3	445.8	446.3	559.3	620.6	10- 20	332.3	549.0	79.8,79.8
30	99.18	66.49	42.28	42.41	44.51	38.10	44.67	78.77	20- 30	100.00	649.0	94.3,94.3
40	19.13	17.69	16.75	18.74	19.62	16.92	15.68	18.21	30- 40	18.23	667.2	97,97
50	10.04	10.36	10.77	11.52	11.61	10.85	10.20	9.927	40- 50	10.67	677.9	98.5,98.5
60	5.991	5.712	5.143	4.259	4.172	4.236	5.214	5.880	50- 60	6.946	684.9	99.5,99.5
70	1.895	1.615	0.9076	0.2789	0.2729	0.3007	0.8812	1.646	60- 70	2.888	687.7	100,100
80	0.0569	0	0.0006	0	0	0	0	0.0312	70- 80	0.2580	688.0	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0010	688.0	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		

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:

LUMINANCE LIMITATION CURVES

Test:U:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	322	3
75	962	667
70	5451	2608
65	9224	6501
60	11791	10111
55	13797	13562
50	15365	16467
45	17674	19038

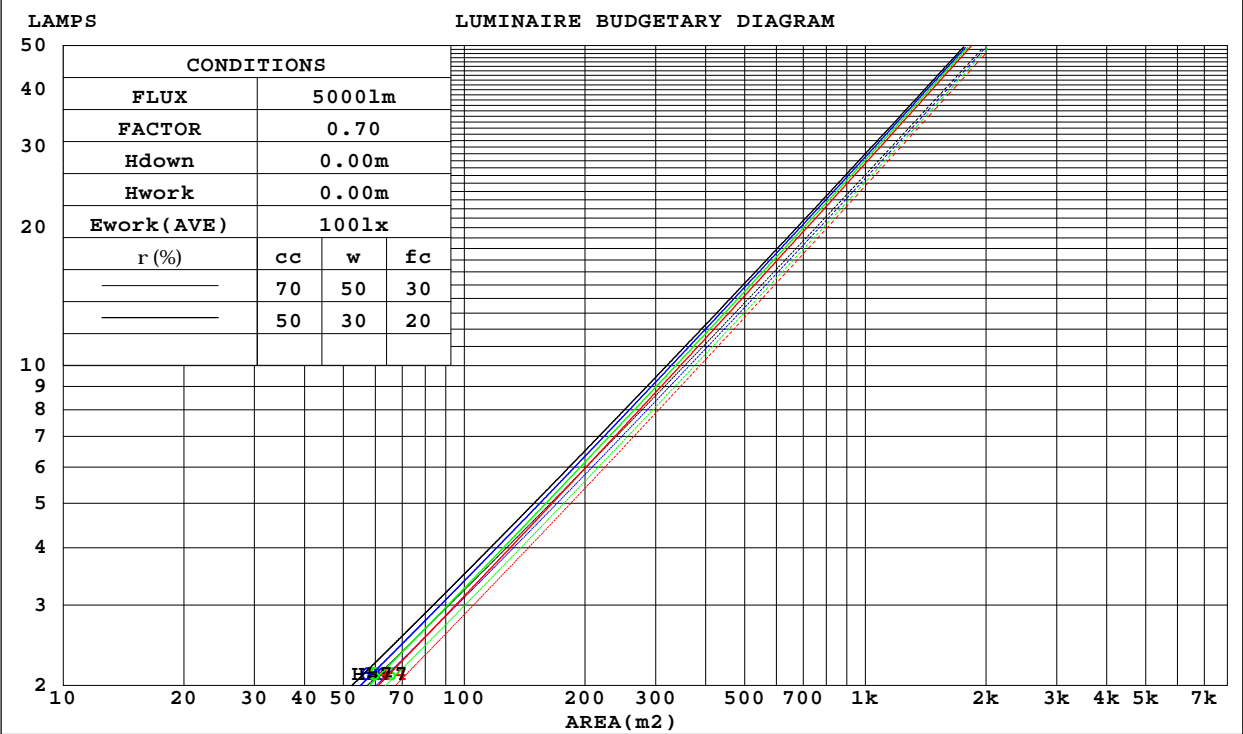
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:谭玉珠
Test Date:2026-06-02

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:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	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 _{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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.00	1.02	1.00	.98	.00	.98	.96	.97	.95	.94	.93
3.0	1.02	.99	.96	1.01	.98	.95	.99	.96	.94	.96	.94	.92	.94	.92	.91	.89
4.0	.98	.94	.91	.97	.93	.91	.95	.92	.89	.93	.91	.88	.92	.89	.88	.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	.81	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.76
9.0	.83	.78	.76	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.74
10.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.78	.75	.73	.72



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:

WEC AND CCEC

Test:U:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	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															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.141	.080	.025	.134	.076	.024	.122	.070	.022	.110	.064	.020	.100	.058	.019															
2.0	.131	.072	.022	.125	.069	.021	.115	.064	.020	.106	.059	.019	.097	.055	.017															
3.0	.122	.065	.019	.118	.063	.019	.109	.059	.018	.101	.055	.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	.087	.047	.014															
6.0	.102	.051	.015	.099	.050	.014	.094	.048	.014	.089	.046	.014	.084	.044	.013															
7.0	.097	.048	.014	.095	.047	.013	.090	.046	.013	.086	.044	.013	.082	.042	.012															
8.0	.093	.045	.013	.090	.045	.013	.086	.043	.012	.083	.042	.012	.079	.041	.012															
9.0	.088	.043	.012	.087	.042	.012	.083	.041	.012	.080	.040	.011	.076	.039	.011															
10.0	.085	.041	.011	.083	.040	.011	.080	.039	.011	.077	.038	.011	.074	.037	.011															

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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.129	.114	.102	.089	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.095	.117	.098	.083	.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	.083	.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	

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:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm											
NAME: DP-M1CRO明装筒灯						TYPE:		WEIGHT:			
SPEC.:ZHT-Y2-35-36°						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	13.5	14.2	13.7	14.3	14.5	12.9	13.5	13.1	13.7	13.8	
	3H	13.8	14.5	14.1	14.7	14.9	13.0	13.6	13.3	13.8	14.0
	4H	13.8	14.4	14.0	14.6	14.8	12.9	13.5	13.2	13.7	14.0
	6H	13.7	14.3	14.0	14.5	14.7	12.9	13.4	13.1	13.7	13.9
	8H	13.7	14.2	13.9	14.4	14.7	12.8	13.4	13.1	13.6	13.9
	12H	13.6	14.1	13.9	14.4	14.7	12.8	13.3	13.1	13.6	13.8
4H	2H	13.7	14.3	14.0	14.5	14.7	13.1	13.7	13.4	13.9	14.1
	3H	14.0	14.6	14.3	14.8	15.1	13.3	13.8	13.6	14.1	14.3
	4H	13.9	14.4	14.3	14.7	15.0	13.2	13.7	13.5	13.9	14.2
	6H	13.8	14.3	14.2	14.6	14.9	13.1	13.5	13.4	13.8	14.2
	8H	13.8	14.2	14.2	14.5	14.9	13.0	13.4	13.4	13.8	14.1
	12H	13.7	14.1	14.1	14.5	14.9	13.0	13.3	13.4	13.7	14.1
8H	4H	13.8	14.2	14.2	14.6	14.9	13.0	13.4	13.4	13.8	14.2
	6H	13.7	14.0	14.1	14.4	14.8	12.9	13.3	13.4	13.7	14.1
	8H	13.6	13.9	14.1	14.3	14.8	12.9	13.2	13.3	13.6	14.0
	12H	13.6	13.8	14.0	14.3	14.7	12.8	13.1	13.3	13.5	14.0
12H	4H	13.8	14.1	14.2	14.5	14.9	13.0	13.4	13.4	13.7	14.1
	6H	13.6	13.9	14.1	14.3	14.8	12.9	13.2	13.3	13.6	14.0
	8H	13.6	13.8	14.0	14.3	14.7	12.8	13.1	13.3	13.5	14.0
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.3					+ 0.8 / - 1.1					
1.5H	+ 1.6 / - 0.8					+ 0.6 / - 0.9					
2.0H	+ 1.0 / - 1.3					+ 1.4 / - 1.9					

CIE Pub.117, 688.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.3)
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:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

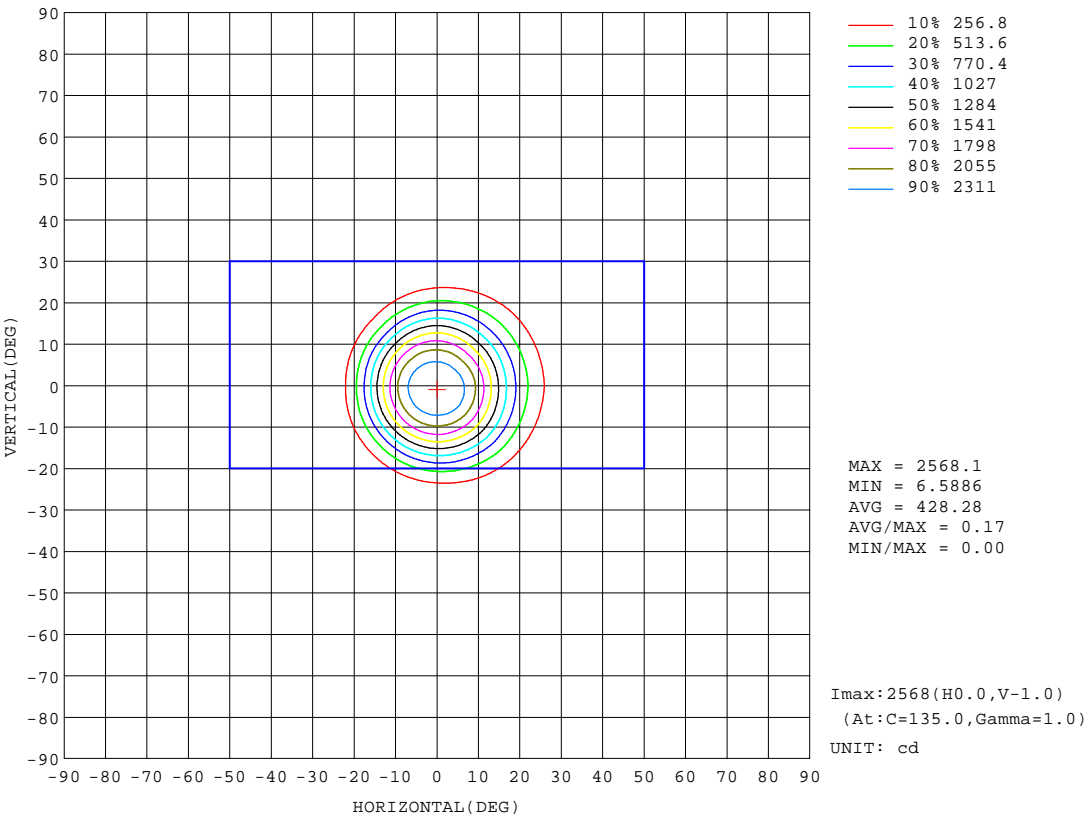
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	100	106	102	99	104	100	98	94
2.00	109	105	103	108	104	102	105	102	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	115	113	112	113	112	110	109	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:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA



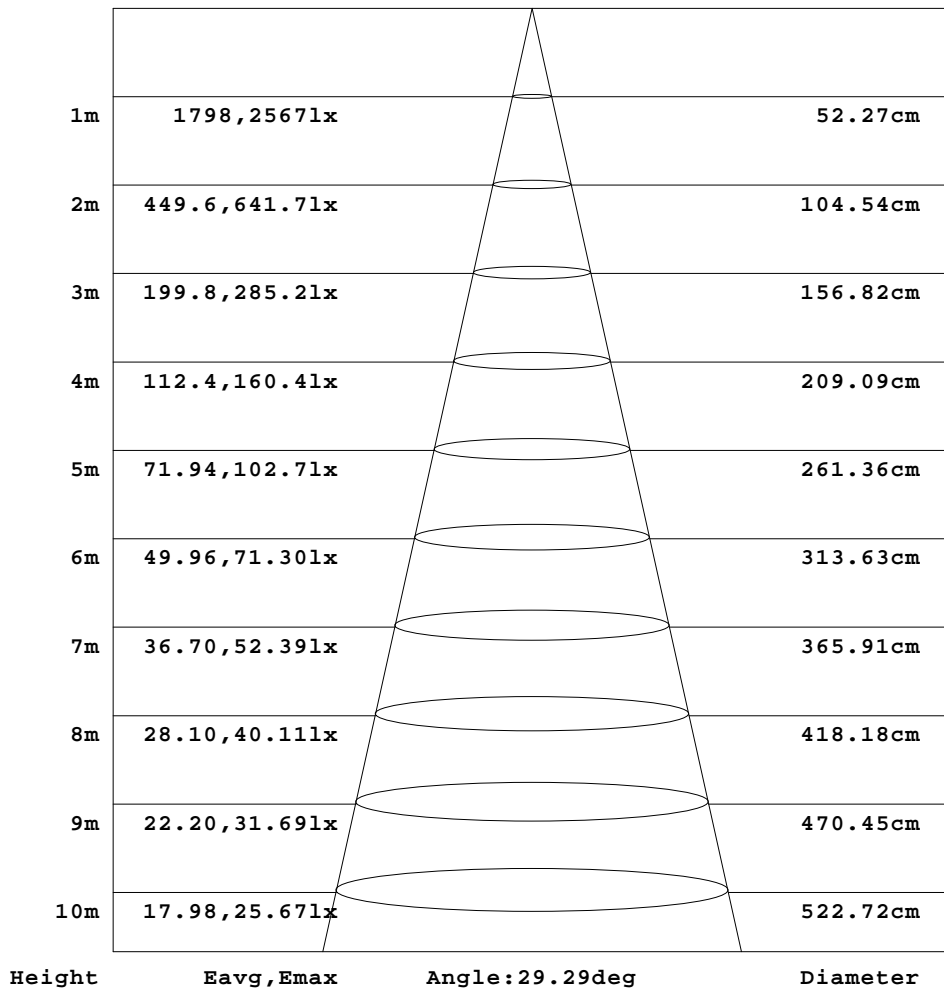
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:谭玉珠
Test Date:2026-06-02

deg 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:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

Flux out:405.6 lm



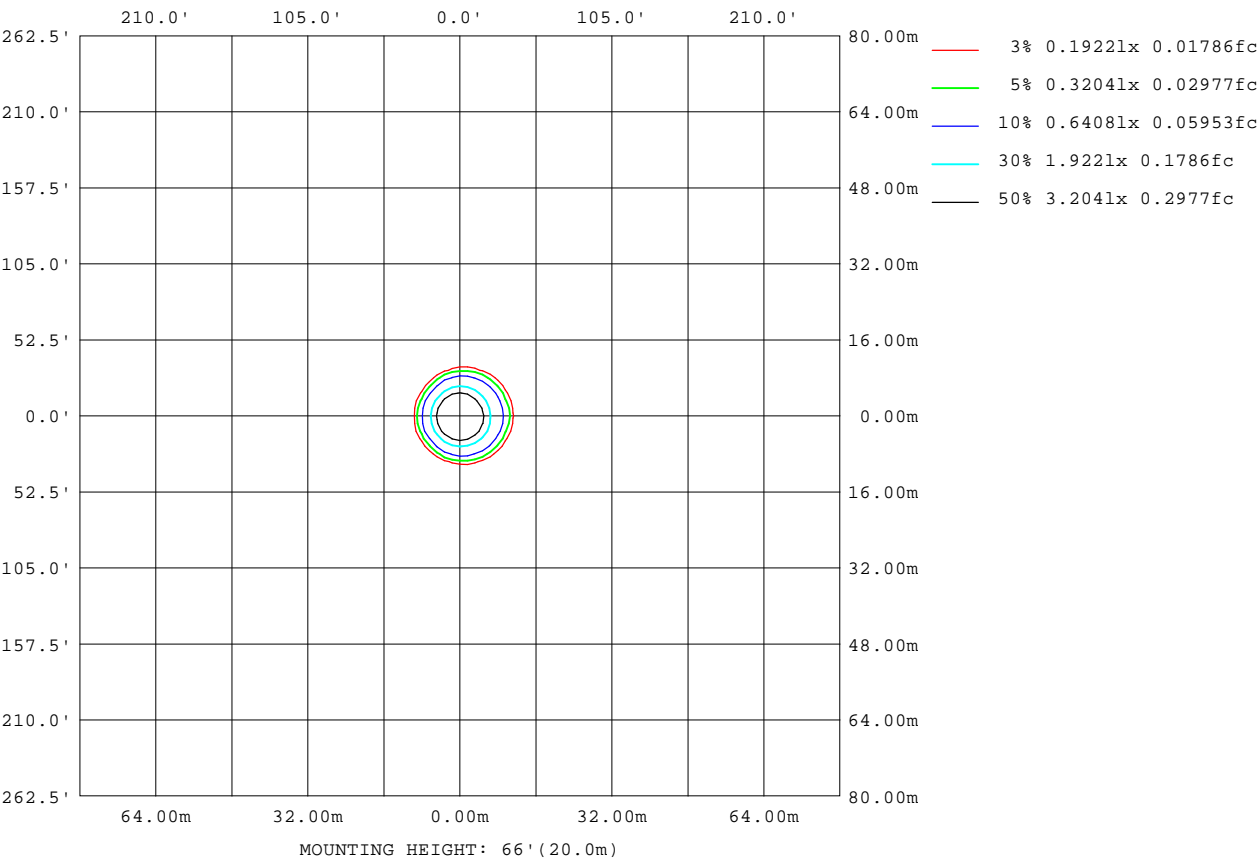
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	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:220.00V I:0.0679A P:8.1898W PF:0.5480 Freq:64.97Hz Lamp Flux:688.004x1 lm		
NAME: DP-M1CRO明装筒灯	TYPE:	WEIGHT:
SPEC.:ZHT-Y2-35-36°	DIM.:	SERIAL No.:
MFR.: 石客照明	SUR.:36	Shielding Angle:NA

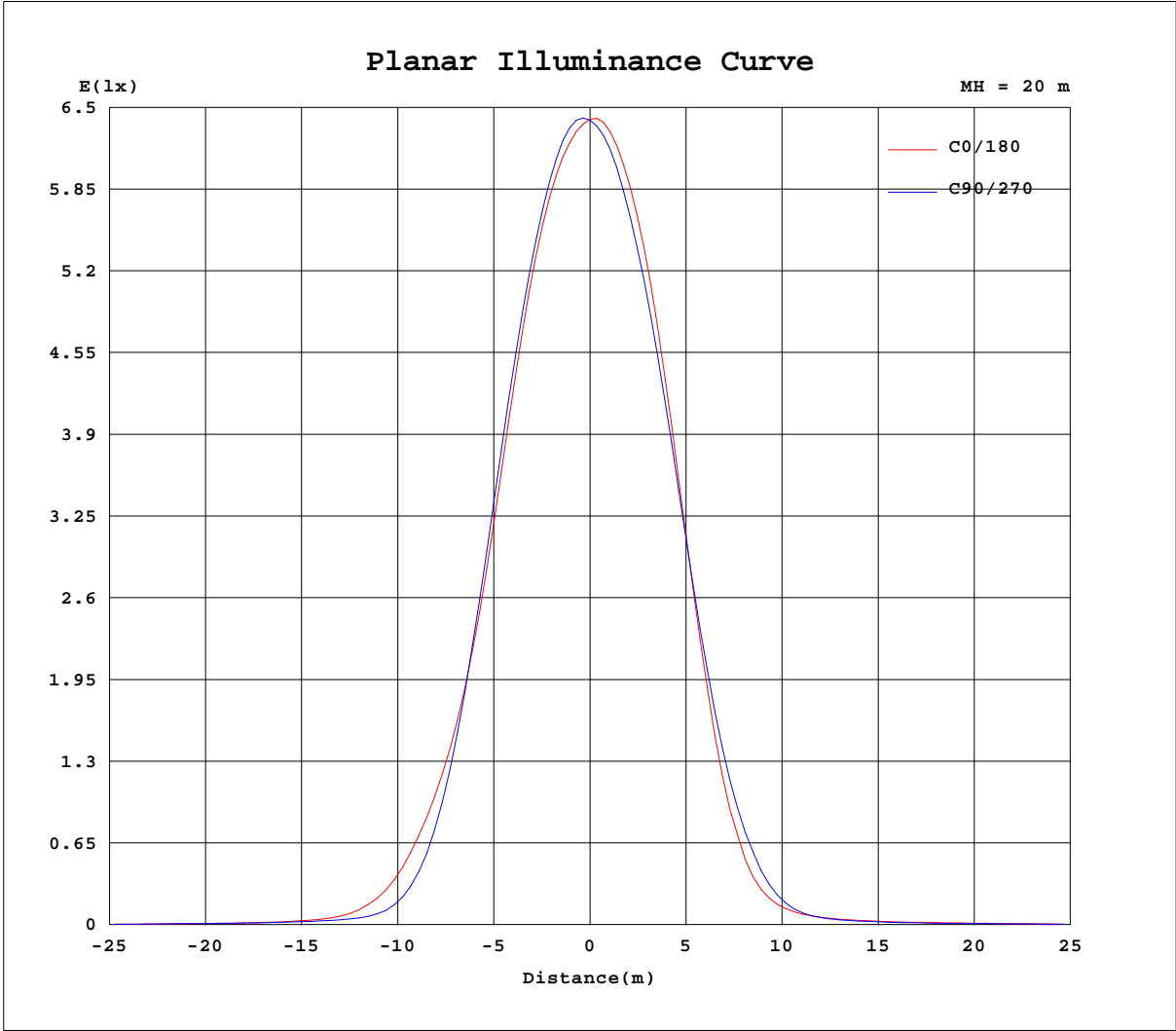
AvgL	cd/m2
L_0~180(65)av	6933
L_0~180(75)av	655
L_0~180(85)av	0
L_90~270(65)av	6593
L_90~270(75)av	519
L_90~270(85)av	0
L_45(65)av	6699
L_45(75)av	554
L_45(85)av	0

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
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:

