Report No.:

Test Time: 2026-10-26 11:20

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm): -65
Luminous Height (mm):
Current: 0.081 A
Power Factor: 0.910

Luminaire Description: E21630
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -65
Voltage: 220.4 V
Power: 16.29 W

Photometric Results

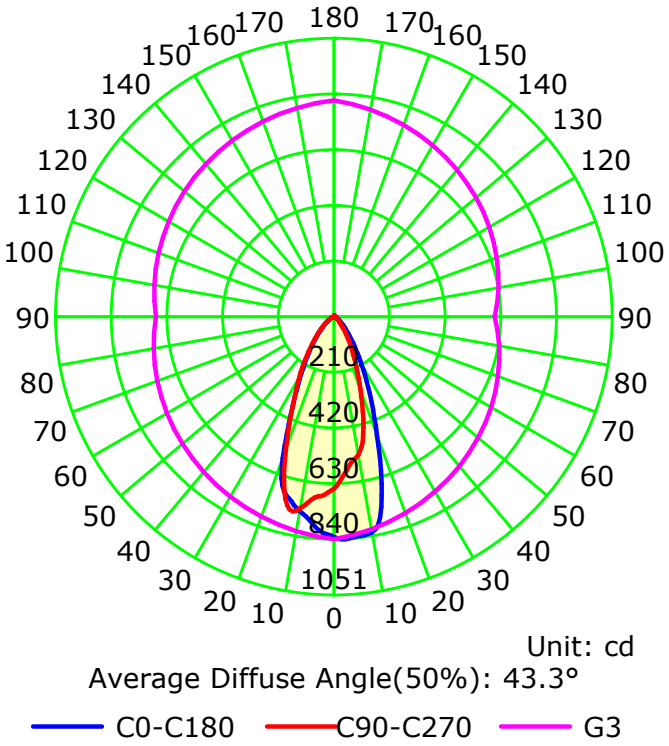
CIE Class: Direct
Measurement Flux: 560 lm
Downward Ratio: 99%
Horizontal Diffuse Angle(50%): H45.2
Vertical Diffuse Angle(50%): V43.4
Luminaire Efficacy Rating (LER): 34.43
Max. Intensity: 840.87 cd
S/MH(C0/C180): 0.74

Total Rated Lamp Lumens: 560.0 lm
Efficiency: 100%
Upward Ratio: 1%

C0r0 Intensity: 831.7 cd
Pos of Max. Intensity: H0 V3
S/MH(C90/C270): 0.75

Picture Of Luminaire

Luminous Intensity Distribution Curve

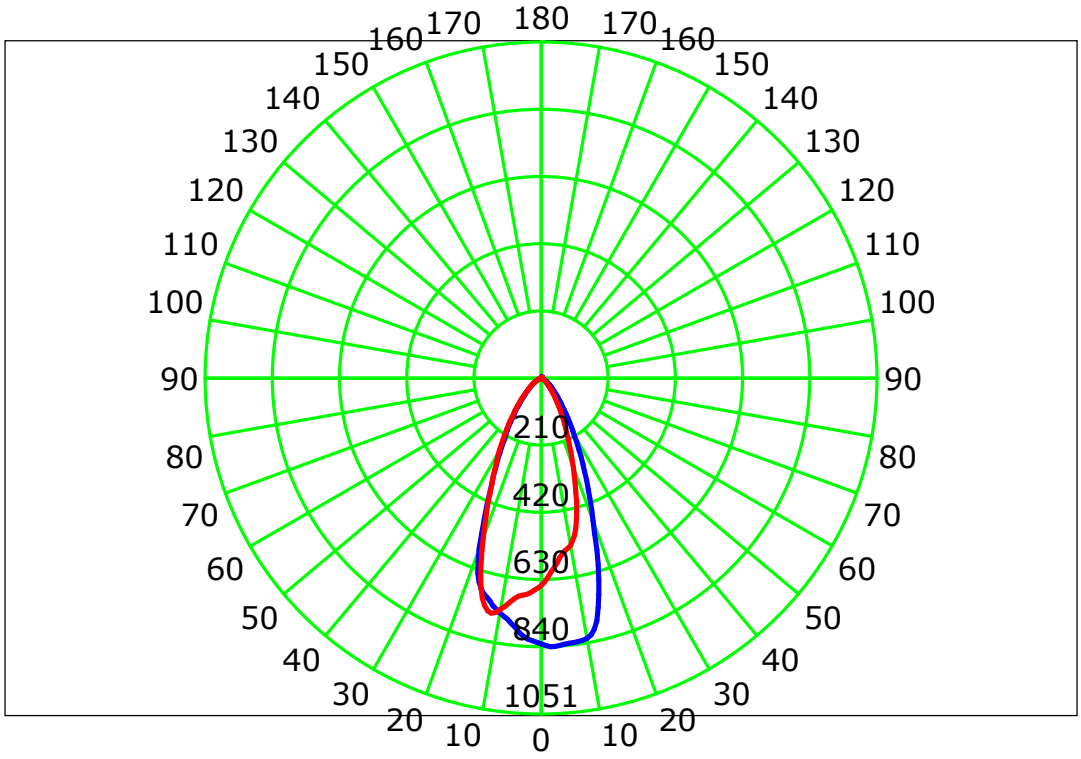


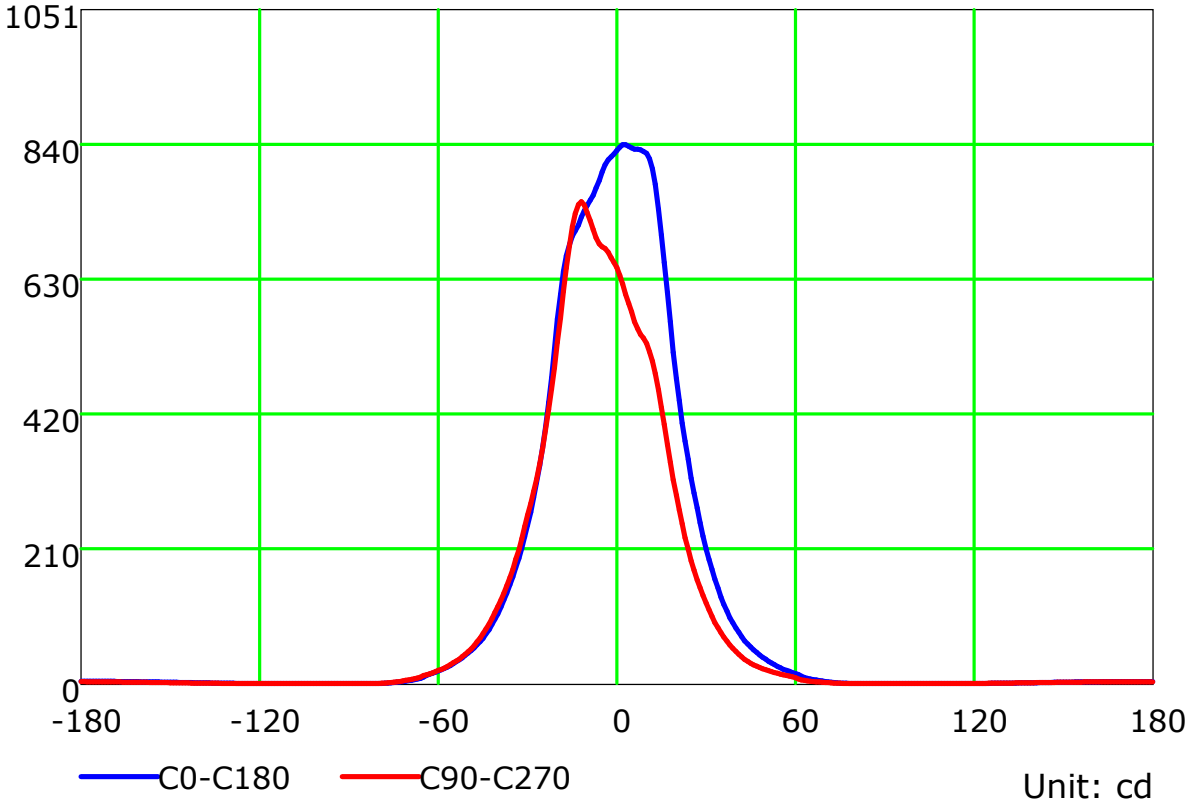
Unit: cd
Average Diffuse Angle(50%): 43.3°
C0-C180 C90-C270 G3

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Luminous Intensity Distribution Curve





C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

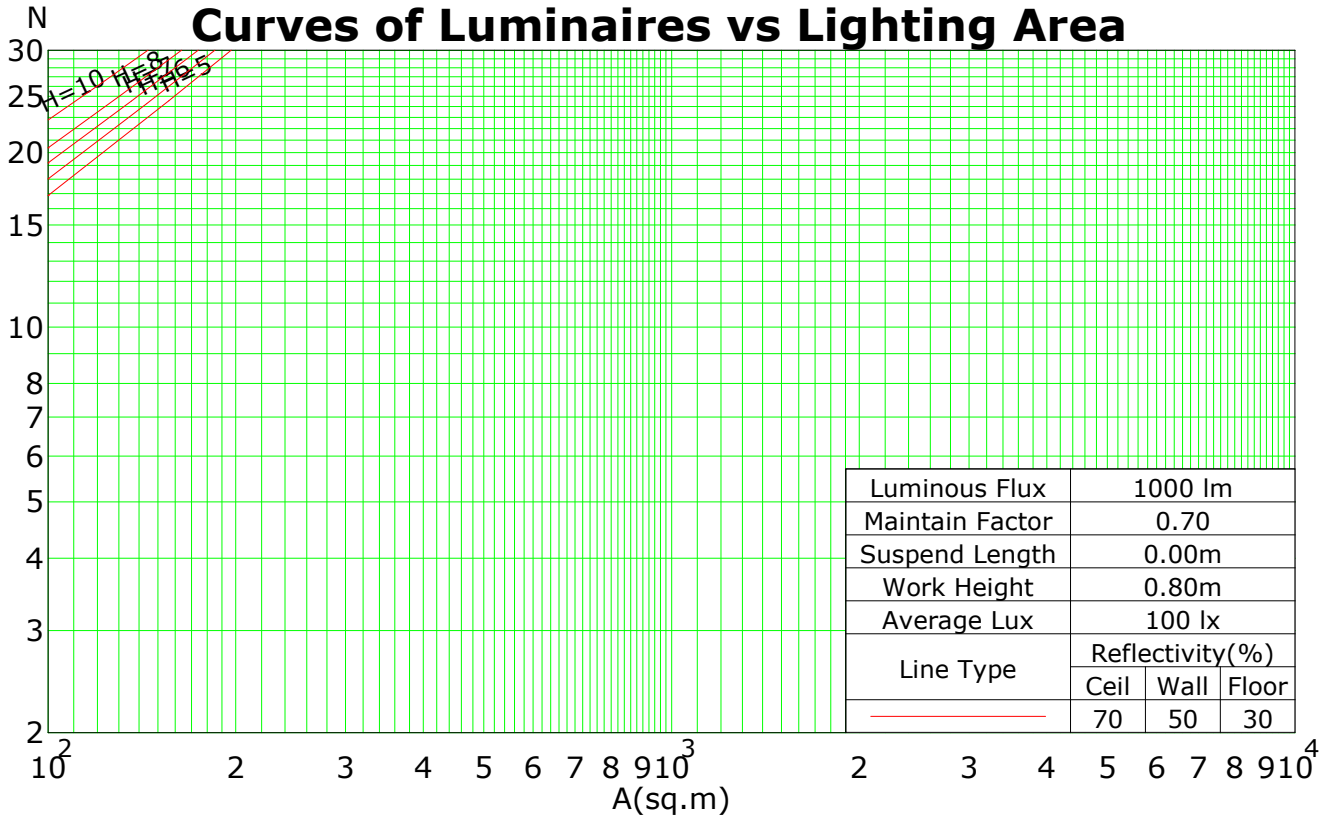
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.13	1.10	1.08	1.05	1.11	1.08	1.06	1.04	1.04	1.02	1.00	1.00	0.99	0.97	0.96	0.95	0.94	0.92
2	1.07	1.02	0.98	0.95	1.05	1.00	0.97	0.93	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	1.02	0.95	0.90	0.86	1.00	0.94	0.89	0.85	0.91	0.87	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.79
4	0.96	0.89	0.83	0.79	0.94	0.87	0.82	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.73
5	0.91	0.83	0.77	0.72	0.90	0.82	0.76	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.68
6	0.87	0.78	0.72	0.67	0.85	0.77	0.71	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.69	0.65	0.64
7	0.83	0.73	0.67	0.63	0.81	0.72	0.67	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.60
8	0.79	0.69	0.63	0.59	0.77	0.68	0.63	0.59	0.67	0.62	0.58	0.66	0.62	0.58	0.65	0.61	0.58	0.56
9	0.75	0.65	0.59	0.55	0.74	0.65	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.53
10	0.72	0.62	0.56	0.52	0.71	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.52	0.59	0.55	0.52	0.50

Spacing Criteria (0-180): 0.74
Spacing Criteria (90-270): 0.75
Spacing Criteria (Diagonal): 0.69

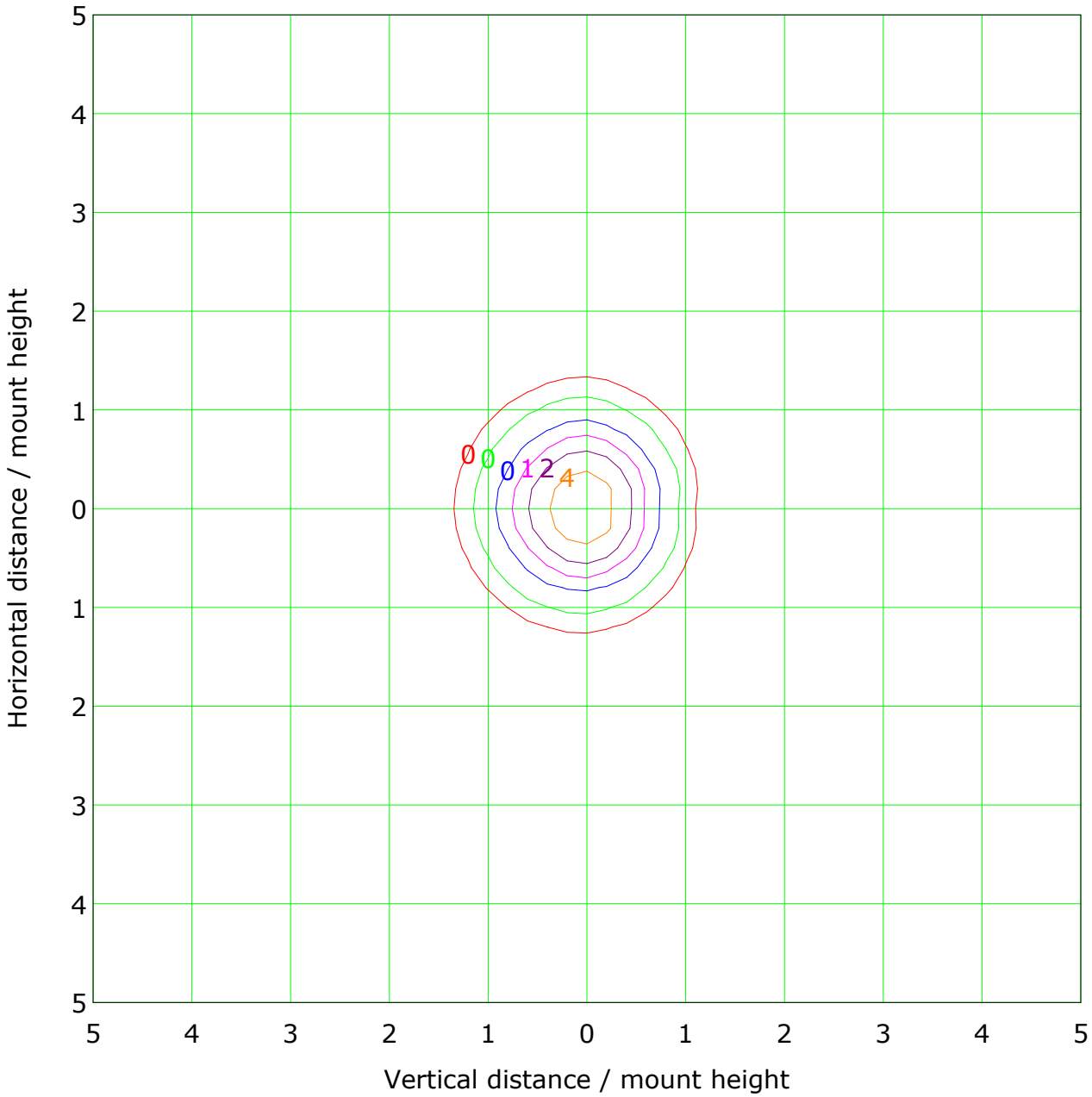
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 8.4 lx

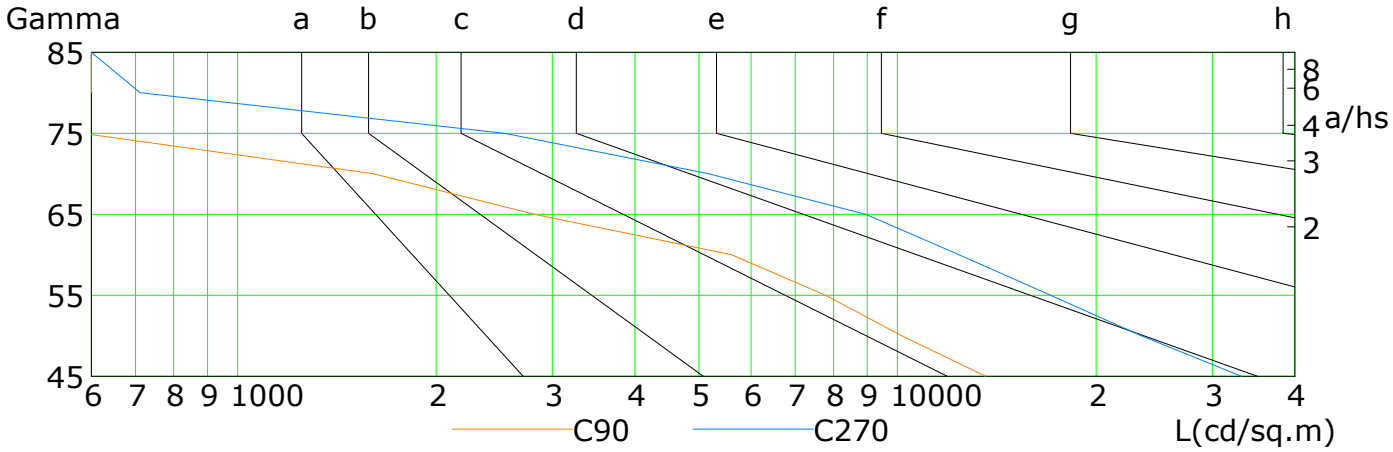
(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.4 lx	(10%): 0.8 lx
(20%): 1.7 lx	(50%): 4.2 lx
(100%): 8.4 lx	

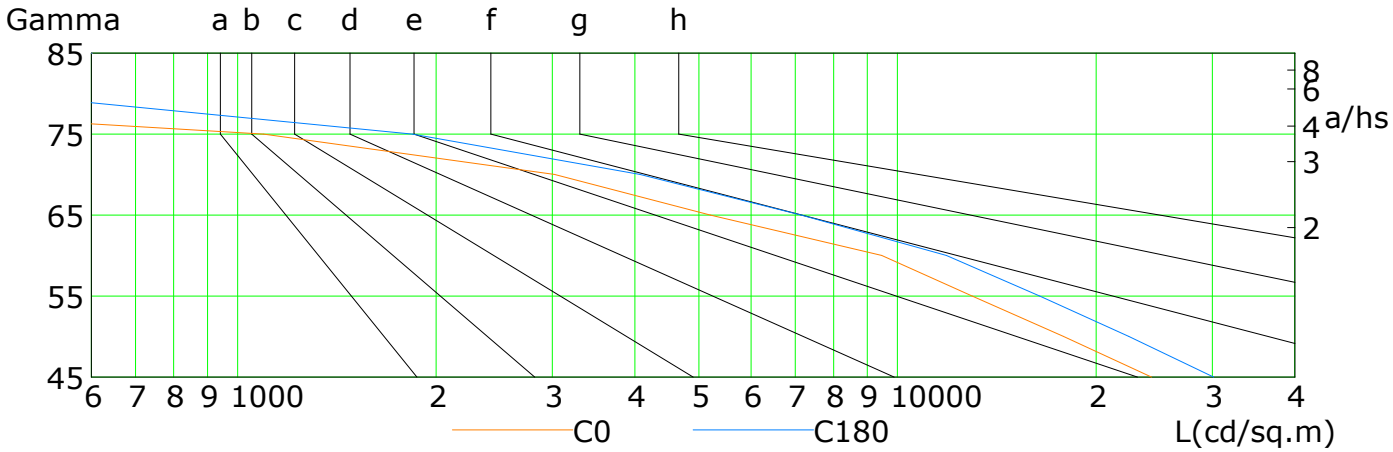
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



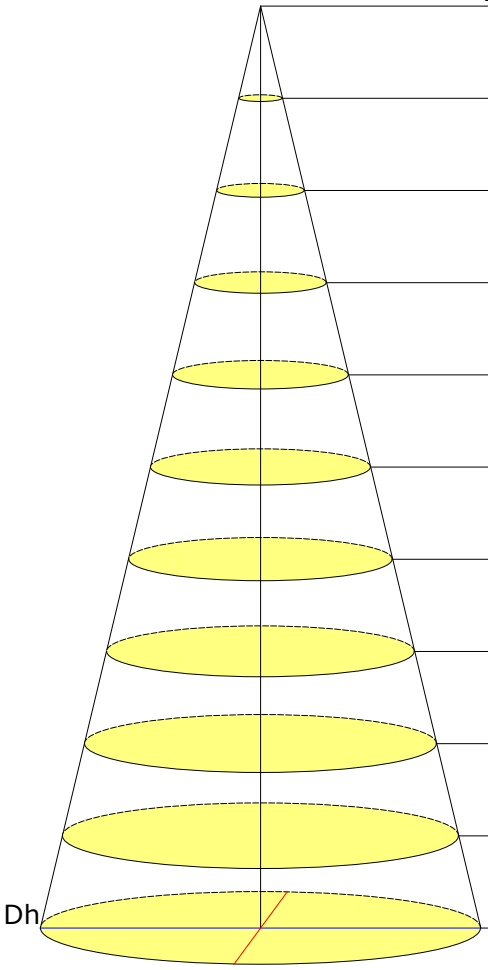


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	24276	17844	12983	9463	5205	3022	1094	104	0
C90	13604	10145	7781	5599	2817	1604	582	0	0
C180	30131	22415	16424	11861	7152	4071	1840	434	0
C270	33217	23390	17060	12392	8949	5163	2538	712	0

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Illuminance at a Distance



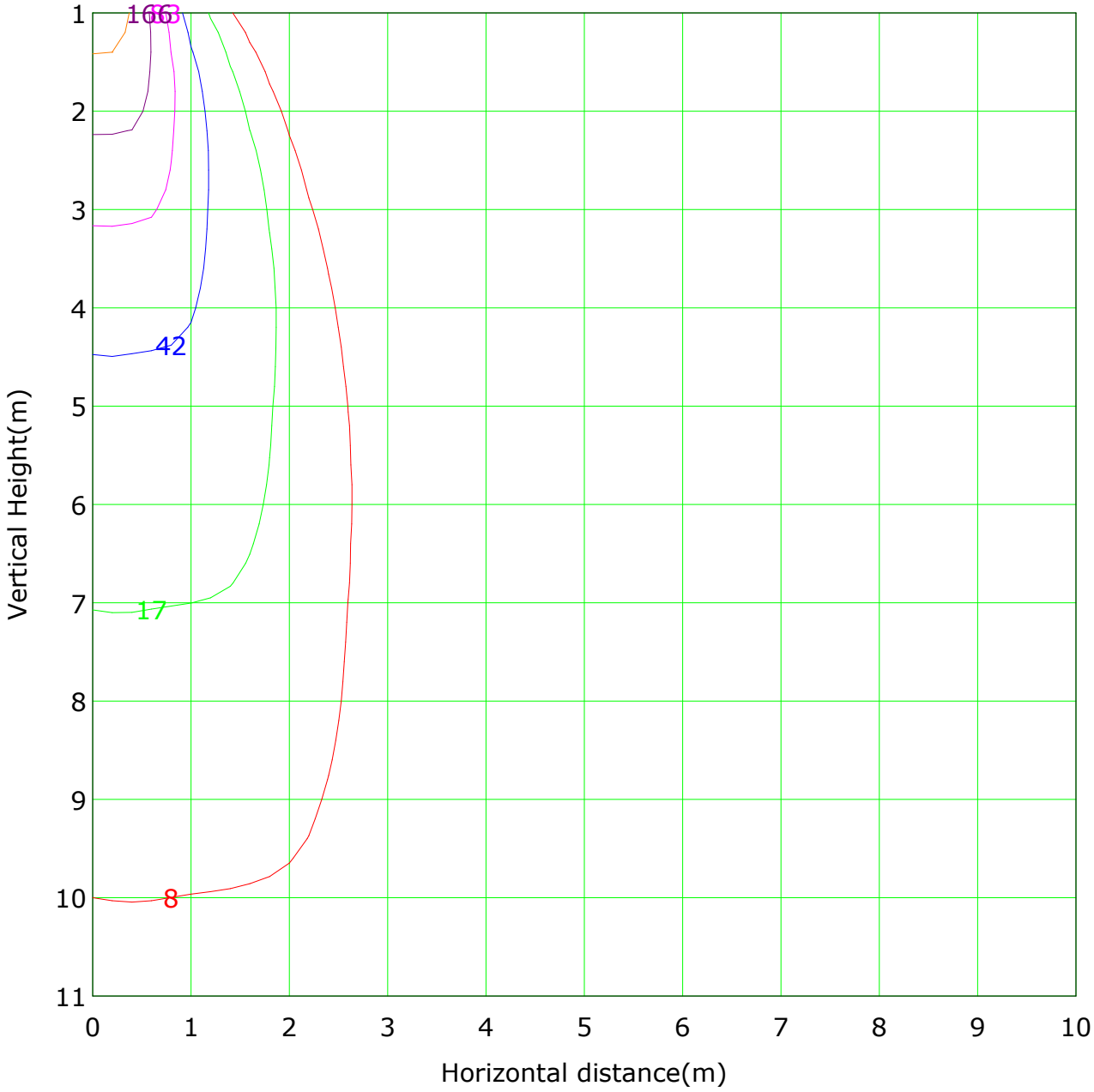
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	831.70	0.83/0.76	0.5	311.85
2.0	207.93	1.66/1.52	2.1	77.96
3.0	92.41	2.49/2.28	4.7	34.65
4.0	51.98	3.32/3.04	8.4	19.49
5.0	33.27	4.15/3.80	13.1	12.47
6.0	23.10	4.98/4.56	18.9	8.66
7.0	16.97	5.81/5.32	25.8	6.36
8.0	13.00	6.64/6.08	33.7	4.87
9.0	10.27	7.47/6.84	42.6	3.85
10.0	8.32	8.30/7.60	52.6	3.12

Beam Angle(B): H45.1 V41.6 Field Angle(F): H83.4 V81.0

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



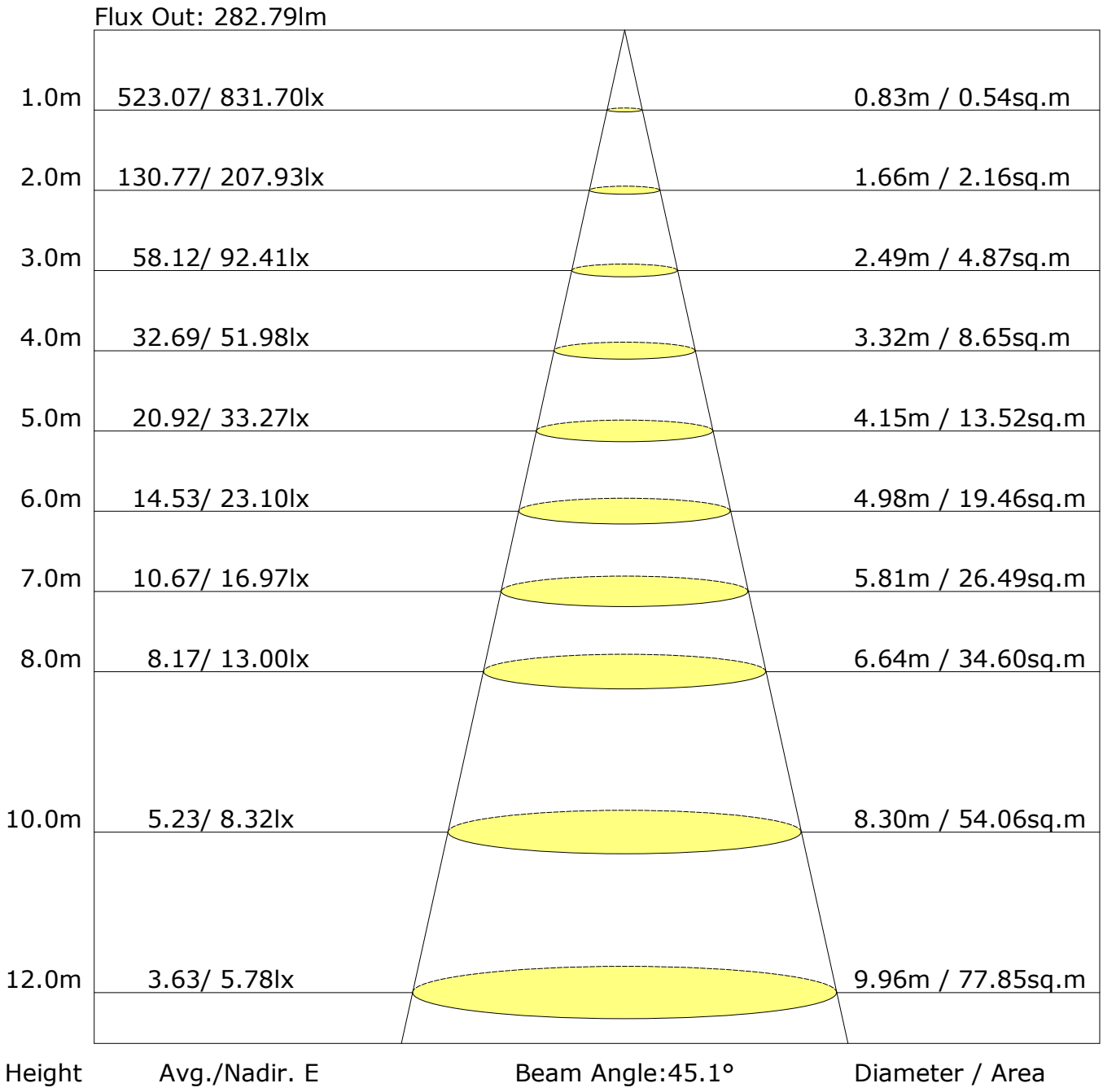
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 831.7 lx

(1%): 8.3 lx
(2%): 16.6 lx
(5%): 41.6 lx
(10%): 83.2 lx
(20%): 166.3 lx
(50%): 415.8 lx
(100%): 831.7 lx

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

UGR Table

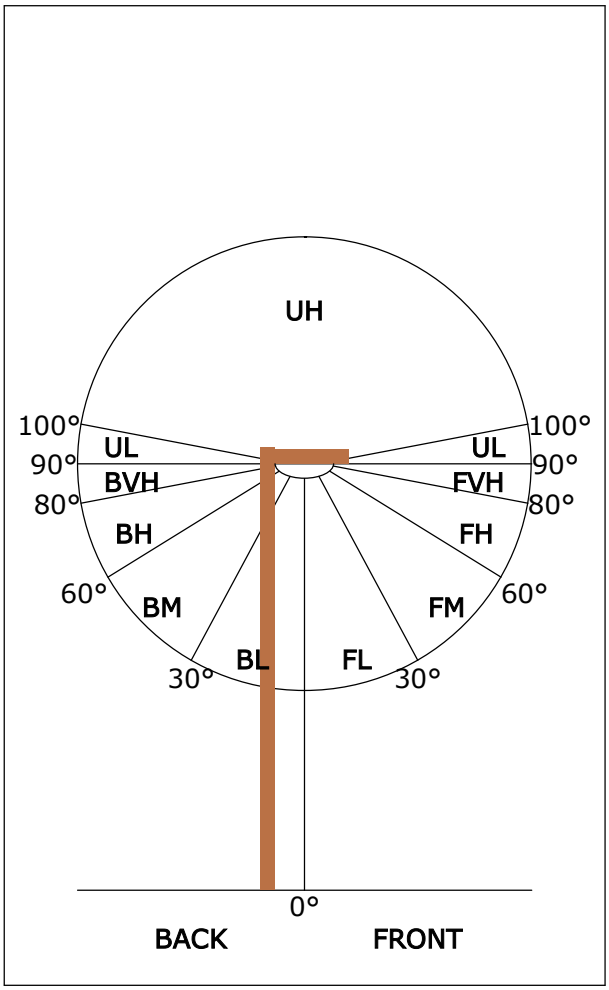
Reflectance: Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	18.7	19.6	19.0	19.8	20.0	18.8	19.7	19.1	19.9	20.1
3H	18.7	19.5	19.0	19.8	20.0	18.9	19.7	19.2	19.9	20.2
4H	18.7	19.4	19.0	19.7	20.0	18.8	19.6	19.1	19.8	20.1
6H	18.6	19.3	18.9	19.6	19.9	18.7	19.4	19.1	19.7	20.0
8H	18.5	19.2	18.9	19.5	19.8	18.7	19.4	19.1	19.7	20.0
12H	18.5	19.1	18.9	19.5	19.8	18.7	19.3	19.0	19.6	20.0
X=4H Y=2H	18.7	19.5	19.0	19.7	20.0	18.8	19.6	19.1	19.8	20.1
3H	18.7	19.4	19.1	19.7	20.0	18.9	19.5	19.2	19.8	20.2
4H	18.7	19.2	19.1	19.6	20.0	18.8	19.4	19.2	19.7	20.1
6H	18.6	19.1	19.0	19.5	19.9	18.8	19.2	19.2	19.6	20.0
8H	18.5	19.0	19.0	19.4	19.8	18.7	19.2	19.1	19.6	20.0
12H	18.5	18.9	19.0	19.3	19.8	18.7	19.1	19.1	19.5	19.9
X=8H Y=4H	18.6	19.0	19.0	19.4	19.8	18.7	19.2	19.2	19.6	20.0
6H	18.5	18.8	18.9	19.3	19.8	18.6	19.0	19.1	19.4	19.9
8H	18.4	18.7	18.9	19.2	19.7	18.6	18.9	19.1	19.4	19.9
12H	18.4	18.7	18.9	19.1	19.7	18.5	18.8	19.1	19.3	19.8
X=12H Y=4H	18.5	18.9	19.0	19.3	19.8	18.7	19.1	19.1	19.5	20.0
6H	18.4	18.7	18.9	19.2	19.7	18.6	18.9	19.1	19.4	19.9
8H	18.4	18.7	18.9	19.1	19.7	18.5	18.8	19.1	19.3	19.8
Variations with the observer position at spacings:										
S=1.0H	+2.1/-2.4					+2.4/-2.9				
S=1.5H	+4.2/-4.8					+4.4/-5.2				
S=2.0H	+6.2/-7.3					+6.1/-8.2				

Calculate in accordance with CIE Pub.117. The table is revised with 560lm (8log(F/F0) = -2.0).

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	270	48.2
FL (0°-30°)	190	33.9
FM (30°-60°)	75	13.4
FH (60°-80°)	5	0.9
FVH (80°-90°)	0	0.0
BACK LIGHT	286	51.0
BL (0°-30°)	196	34.9
BM (30°-60°)	84	15.1
BH (60°-80°)	6	1.0
BVH (80°-90°)	0	0.0
UP LIGHT	4	0.8
UL (90°-100°)	0	0.0
UH (100°-180°)	4	0.8
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	739.7	0.7	0.7	0.13	0.13
1.0-2.0	738.3	2.1	2.8	0.38	0.50
2.0-3.0	736.0	3.5	6.3	0.63	1.13
3.0-4.0	732.2	4.9	11.2	0.88	2.01
4.0-5.0	726.8	6.3	17.5	1.12	3.13
5.0-6.0	720.5	7.6	25.1	1.35	4.48
6.0-7.0	715.6	8.9	34.0	1.59	6.06
7.0-8.0	712.8	10.2	44.2	1.82	7.89
8.0-9.0	711.5	11.5	55.7	2.06	9.95
9.0-10.0	710.4	12.9	68.6	2.30	12.24
10.0-11.0	707.3	14.1	82.7	2.52	14.77
11.0-12.0	700.7	15.3	98.0	2.74	17.50
12.0-13.0	688.8	16.3	114.4	2.92	20.42
13.0-14.0	670.3	17.2	131.5	3.06	23.48
14.0-15.0	647.4	17.8	149.3	3.17	26.66
15.0-16.0	621.4	18.2	167.5	3.25	29.91
16.0-17.0	591.0	18.4	185.9	3.29	33.20
17.0-18.0	557.9	18.4	204.3	3.29	36.48
18.0-19.0	522.0	18.2	222.5	3.24	39.73
19.0-20.0	485.2	17.8	240.2	3.17	42.90
20.0-21.0	449.6	17.3	257.5	3.08	45.98
21.0-22.0	414.8	16.7	274.2	2.98	48.96
22.0-23.0	383.0	16.1	290.2	2.87	51.83
23.0-24.0	353.3	15.5	305.7	2.76	54.59
24.0-25.0	325.2	14.8	320.5	2.64	57.23
25.0-26.0	300.5	14.2	334.7	2.53	59.76
26.0-27.0	278.0	13.6	348.3	2.43	62.19
27.0-28.0	257.2	13.0	361.3	2.33	64.52
28.0-29.0	238.3	12.5	373.8	2.23	66.74
29.0-30.0	220.2	11.9	385.7	2.12	68.87
30.0-31.0	203.5	11.3	397.0	2.02	70.89
31.0-32.0	187.9	10.8	407.8	1.92	72.81
32.0-33.0	172.8	10.2	417.9	1.82	74.63
33.0-34.0	159.1	9.6	427.6	1.72	76.35
34.0-35.0	146.2	9.1	436.7	1.62	77.97
35.0-36.0	134.4	8.6	445.2	1.53	79.50

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	123.7	8.1	453.3	1.44	80.94
37.0-38.0	113.5	7.6	460.9	1.35	82.29
38.0-39.0	104.4	7.1	468.0	1.27	83.57
39.0-40.0	95.8	6.7	474.7	1.19	84.76
40.0-41.0	87.9	6.3	480.9	1.12	85.88
41.0-42.0	80.8	5.9	486.8	1.05	86.92
42.0-43.0	73.8	5.5	492.3	0.98	87.90
43.0-44.0	67.6	5.1	497.4	0.91	88.81
44.0-45.0	62.1	4.8	502.1	0.85	89.66
45.0-46.0	57.0	4.5	506.6	0.80	90.46
46.0-47.0	52.6	4.2	510.8	0.75	91.21
47.0-48.0	48.3	3.9	514.7	0.70	91.90
48.0-49.0	44.4	3.6	518.3	0.65	92.56
49.0-50.0	41.0	3.4	521.7	0.61	93.17
50.0-51.0	37.8	3.2	524.9	0.57	93.74
51.0-52.0	34.8	3.0	527.9	0.53	94.27
52.0-53.0	32.0	2.8	530.7	0.50	94.77
53.0-54.0	29.3	2.6	533.3	0.46	95.23
54.0-55.0	27.0	2.4	535.7	0.43	95.66
55.0-56.0	24.6	2.2	537.9	0.40	96.05
56.0-57.0	22.5	2.1	540.0	0.37	96.42
57.0-58.0	20.5	1.9	541.9	0.34	96.76
58.0-59.0	18.8	1.8	543.6	0.31	97.07
59.0-60.0	17.1	1.6	545.2	0.29	97.36
60.0-61.0	15.4	1.5	546.7	0.26	97.63
61.0-62.0	13.5	1.3	548.0	0.23	97.86
62.0-63.0	11.9	1.2	549.2	0.21	98.06
63.0-64.0	10.5	1.0	550.2	0.18	98.25
64.0-65.0	9.1	0.9	551.1	0.16	98.41
65.0-66.0	7.8	0.8	551.9	0.14	98.55
66.0-67.0	6.6	0.7	552.5	0.12	98.67
67.0-68.0	5.7	0.6	553.1	0.10	98.77
68.0-69.0	5.0	0.5	553.6	0.09	98.86
69.0-70.0	4.3	0.4	554.1	0.08	98.94
70.0-71.0	3.6	0.4	554.4	0.07	99.01
71.0-72.0	3.0	0.3	554.8	0.06	99.06

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	2.4	0.3	555.0	0.05	99.11
73.0-74.0	1.9	0.2	555.2	0.04	99.14
74.0-75.0	1.5	0.2	555.4	0.03	99.17
75.0-76.0	1.1	0.1	555.5	0.02	99.19
76.0-77.0	0.8	0.1	555.6	0.02	99.21
77.0-78.0	0.6	0.1	555.6	0.01	99.22
78.0-79.0	0.4	0.0	555.7	0.01	99.23
79.0-80.0	0.2	0.0	555.7	0.00	99.23
80.0-81.0	0.1	0.0	555.7	0.00	99.23
81.0-82.0	0.1	0.0	555.7	0.00	99.24
82.0-83.0	0.0	0.0	555.7	0.00	99.24
83.0-84.0	0.0	0.0	555.7	0.00	99.24
84.0-85.0	0.0	0.0	555.7	0.00	99.24
85.0-86.0	0.0	0.0	555.7	0.00	99.24
86.0-87.0	0.0	0.0	555.7	0.00	99.24
87.0-88.0	0.0	0.0	555.7	0.00	99.24
88.0-89.0	0.0	0.0	555.7	0.00	99.24
89.0-90.0	0.0	0.0	555.7	0.00	99.24
90.0-91.0	0.0	0.0	555.7	0.00	99.24
91.0-92.0	0.0	0.0	555.7	0.00	99.24
92.0-93.0	0.0	0.0	555.7	0.00	99.24
93.0-94.0	0.0	0.0	555.7	0.00	99.24
94.0-95.0	0.0	0.0	555.7	0.00	99.24
95.0-96.0	0.0	0.0	555.7	0.00	99.24
96.0-97.0	0.0	0.0	555.7	0.00	99.24
97.0-98.0	0.0	0.0	555.7	0.00	99.24
98.0-99.0	0.0	0.0	555.7	0.00	99.24
99.0-100.0	0.0	0.0	555.7	0.00	99.24
100.0-101.0	0.0	0.0	555.7	0.00	99.24
101.0-102.0	0.0	0.0	555.7	0.00	99.24
102.0-103.0	0.0	0.0	555.7	0.00	99.24
103.0-104.0	0.0	0.0	555.7	0.00	99.24
104.0-105.0	0.0	0.0	555.7	0.00	99.24
105.0-106.0	0.0	0.0	555.7	0.00	99.24
106.0-107.0	0.0	0.0	555.7	0.00	99.24
107.0-108.0	0.0	0.0	555.7	0.00	99.24

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	555.7	0.00	99.24
109.0-110.0	0.0	0.0	555.7	0.00	99.24
110.0-111.0	0.0	0.0	555.7	0.00	99.24
111.0-112.0	0.0	0.0	555.7	0.00	99.24
112.0-113.0	0.0	0.0	555.7	0.00	99.24
113.0-114.0	0.0	0.0	555.7	0.00	99.24
114.0-115.0	0.1	0.0	555.7	0.00	99.24
115.0-116.0	0.1	0.0	555.8	0.00	99.24
116.0-117.0	0.1	0.0	555.8	0.00	99.24
117.0-118.0	0.1	0.0	555.8	0.00	99.24
118.0-119.0	0.1	0.0	555.8	0.00	99.25
119.0-120.0	0.2	0.0	555.8	0.00	99.25
120.0-121.0	0.2	0.0	555.8	0.00	99.25
121.0-122.0	0.2	0.0	555.8	0.00	99.26
122.0-123.0	0.3	0.0	555.9	0.00	99.26
123.0-124.0	0.3	0.0	555.9	0.00	99.27
124.0-125.0	0.3	0.0	555.9	0.01	99.27
125.0-126.0	0.4	0.0	556.0	0.01	99.28
126.0-127.0	0.4	0.0	556.0	0.01	99.28
127.0-128.0	0.5	0.0	556.0	0.01	99.29
128.0-129.0	0.5	0.0	556.1	0.01	99.30
129.0-130.0	0.6	0.0	556.1	0.01	99.31
130.0-131.0	0.6	0.1	556.2	0.01	99.32
131.0-132.0	0.7	0.1	556.2	0.01	99.33
132.0-133.0	0.7	0.1	556.3	0.01	99.34
133.0-134.0	0.8	0.1	556.4	0.01	99.35
134.0-135.0	0.9	0.1	556.4	0.01	99.36
135.0-136.0	0.9	0.1	556.5	0.01	99.37
136.0-137.0	1.0	0.1	556.6	0.01	99.39
137.0-138.0	1.1	0.1	556.6	0.01	99.40
138.0-139.0	1.1	0.1	556.7	0.01	99.41
139.0-140.0	1.2	0.1	556.8	0.01	99.43
140.0-141.0	1.2	0.1	556.9	0.02	99.44
141.0-142.0	1.3	0.1	557.0	0.02	99.46
142.0-143.0	1.4	0.1	557.1	0.02	99.48
143.0-144.0	1.5	0.1	557.2	0.02	99.50

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.6	0.1	557.3	0.02	99.51
145.0-146.0	1.7	0.1	557.4	0.02	99.53
146.0-147.0	1.8	0.1	557.5	0.02	99.55
147.0-148.0	1.8	0.1	557.6	0.02	99.57
148.0-149.0	1.9	0.1	557.7	0.02	99.59
149.0-150.0	2.0	0.1	557.8	0.02	99.61
150.0-151.0	2.1	0.1	557.9	0.02	99.63
151.0-152.0	2.1	0.1	558.0	0.02	99.65
152.0-153.0	2.2	0.1	558.2	0.02	99.67
153.0-154.0	2.3	0.1	558.3	0.02	99.69
154.0-155.0	2.3	0.1	558.4	0.02	99.71
155.0-156.0	2.4	0.1	558.5	0.02	99.73
156.0-157.0	2.5	0.1	558.6	0.02	99.75
157.0-158.0	2.5	0.1	558.7	0.02	99.77
158.0-159.0	2.6	0.1	558.8	0.02	99.78
159.0-160.0	2.6	0.1	558.9	0.02	99.80
160.0-161.0	2.7	0.1	559.0	0.02	99.82
161.0-162.0	2.7	0.1	559.1	0.02	99.84
162.0-163.0	2.8	0.1	559.2	0.02	99.85
163.0-164.0	2.8	0.1	559.3	0.02	99.87
164.0-165.0	2.9	0.1	559.4	0.02	99.88
165.0-166.0	2.9	0.1	559.4	0.01	99.90
166.0-167.0	2.9	0.1	559.5	0.01	99.91
167.0-168.0	3.0	0.1	559.6	0.01	99.92
168.0-169.0	3.0	0.1	559.7	0.01	99.94
169.0-170.0	3.0	0.1	559.7	0.01	99.95
170.0-171.0	3.0	0.1	559.8	0.01	99.96
171.0-172.0	3.1	0.0	559.8	0.01	99.97
172.0-173.0	3.1	0.0	559.9	0.01	99.97
173.0-174.0	3.1	0.0	559.9	0.01	99.98
174.0-175.0	3.1	0.0	559.9	0.01	99.99
175.0-176.0	3.1	0.0	560.0	0.00	99.99
176.0-177.0	3.1	0.0	560.0	0.00	100.00
177.0-178.0	3.2	0.0	560.0	0.00	100.00
178.0-179.0	3.2	0.0	560.0	0.00	100.00
179.0-180.0	3.2	0.0	560.0	0.00	100.00

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 502.13 lm

%lum = 89.7%
%lamp = 89.7%

cone flux(120°): 545.24 lm

%lum = 97.4%
%lamp = 97.4%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	831.7	648.8	831.7	648.8	831.7					
G1.0	836.8	636.9	826.4	656.9	836.8					
G2.0	840.4	623.3	821.9	664.2	840.4					
G3.0	840.9	607.3	817.1	672.8	840.9					
G4.0	838.1	593.2	809.3	678.9	838.1					
G5.0	835.6	579.9	798.1	681.5	835.6					
G6.0	833.8	564.6	784.9	685.7	833.8					
G7.0	833.5	553.5	773.0	695.5	833.5					
G8.0	832.8	544.4	761.5	708.2	832.8					
G9.0	830.1	539.0	754.4	721.8	830.1					
G10.0	827.0	530.7	745.5	734.8	827.0					
G11.0	818.4	517.7	737.0	747.0	818.4					
G12.0	802.9	503.1	728.0	751.8	802.9					
G13.0	778.6	483.7	715.4	747.0	778.6					
G14.0	739.8	458.2	706.1	733.5	739.8					
G15.0	699.8	430.8	698.2	712.9	699.8					
G16.0	657.1	404.1	685.0	683.3	657.1					
G17.0	610.2	373.0	667.4	648.1	610.2					
G18.0	564.4	345.5	642.8	612.1	564.4					
G19.0	516.4	317.6	606.8	570.6	516.4					
G20.0	475.8	293.6	568.3	532.5	475.8					
G21.0	441.8	270.7	521.7	492.5	441.8					
G22.0	406.2	249.3	476.8	459.5	406.2					
G23.0	378.1	227.5	438.7	428.1	378.1					
G24.0	349.8	209.6	399.1	395.9	349.8					
G25.0	320.5	191.6	368.4	366.7	320.5					
G26.0	297.4	176.8	340.3	342.6	297.4					
G27.0	273.6	161.7	313.6	318.3	273.6					
G28.0	251.1	149.5	290.1	299.9	251.1					
G29.0	230.0	137.6	267.6	280.9	230.0					
G30.0	209.4	125.7	247.3	262.9	209.4					
G31.0	193.4	115.0	229.3	244.7	193.4					
G32.0	178.4	105.2	211.4	225.9	178.4					
G33.0	162.8	94.9	195.5	208.6	162.8					
G34.0	148.9	87.3	181.0	193.7	148.9					
G35.0	135.0	79.5	166.4	178.3	135.0					
G36.0	123.6	72.5	154.3	165.7	123.6					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	113.0	66.3	141.3	152.5	113.0					
G38.0	102.8	60.1	130.5	141.1	102.8					
G39.0	95.1	54.9	119.5	130.8	95.1					
G40.0	86.8	50.0	108.8	120.3	86.8					
G41.0	79.9	45.7	100.5	111.1	79.9					
G42.0	73.3	41.6	92.6	101.5	73.3					
G43.0	66.6	37.7	84.2	93.0	66.6					
G44.0	61.7	34.5	77.5	85.4	61.7					
G45.0	57.0	31.9	70.7	77.9	57.0					
G46.0	52.5	29.3	65.6	71.3	52.5					
G47.0	48.6	27.3	60.7	65.2	48.6					
G48.0	44.8	25.1	55.6	59.1	44.8					
G49.0	41.4	23.4	51.7	54.0	41.4					
G50.0	38.1	21.6	47.8	49.9	38.1					
G51.0	34.9	20.0	44.1	45.5	34.9					
G52.0	32.2	18.8	40.4	42.1	32.2					
G53.0	29.5	17.4	37.1	38.3	29.5					
G54.0	26.8	16.1	34.0	35.4	26.8					
G55.0	24.7	14.8	31.3	32.5	24.7					
G56.0	22.4	13.6	28.3	29.6	22.4					
G57.0	20.5	12.5	25.9	26.9	20.5					
G58.0	19.0	11.5	23.5	24.4	19.0					
G59.0	17.3	10.5	21.6	22.3	17.3					
G60.0	15.7	9.3	19.7	20.6	15.7					
G61.0	14.4	7.1	17.7	18.5	14.4					
G62.0	11.6	5.9	16.1	16.9	11.6					
G63.0	9.5	5.1	14.6	15.3	9.5					
G64.0	8.2	4.4	12.6	13.9	8.2					
G65.0	7.3	4.0	10.0	12.6	7.3					
G66.0	6.5	3.5	8.3	10.4	6.5					
G67.0	5.7	2.9	7.2	8.7	5.7					
G68.0	4.9	2.5	6.4	7.6	4.9					
G69.0	4.2	2.1	5.4	6.7	4.2					
G70.0	3.4	1.8	4.6	5.9	3.4					
G71.0	2.9	1.5	3.9	5.1	2.9					
G72.0	2.3	1.2	3.2	4.2	2.3					
G73.0	1.8	0.8	2.6	3.4	1.8					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	1.3	0.6	2.1	2.7	1.3					
G75.0	0.9	0.5	1.6	2.2	0.9					
G76.0	0.7	0.4	1.1	1.5	0.7					
G77.0	0.5	0.3	0.8	1.1	0.5					
G78.0	0.3	0.1	0.6	0.8	0.3					
G79.0	0.2	0.0	0.4	0.6	0.2					
G80.0	0.1	0.0	0.3	0.4	0.1					
G81.0	0.0	0.0	0.1	0.3	0.0					
G82.0	0.0	0.0	0.0	0.2	0.0					
G83.0	0.0	0.0	0.0	0.1	0.0					
G84.0	0.0	0.0	0.0	0.0	0.0					
G85.0	0.0	0.0	0.0	0.0	0.0					
G86.0	0.0	0.0	0.0	0.0	0.0					
G87.0	0.0	0.0	0.0	0.0	0.0					
G88.0	0.0	0.0	0.0	0.0	0.0					
G89.0	0.0	0.0	0.0	0.0	0.0					
G90.0	0.0	0.0	0.0	0.0	0.0					
G91.0	0.0	0.0	0.0	0.0	0.0					
G92.0	0.0	0.0	0.0	0.0	0.0					
G93.0	0.0	0.0	0.0	0.0	0.0					
G94.0	0.0	0.0	0.0	0.0	0.0					
G95.0	0.0	0.0	0.0	0.0	0.0					
G96.0	0.0	0.0	0.0	0.0	0.0					
G97.0	0.0	0.0	0.0	0.0	0.0					
G98.0	0.0	0.0	0.0	0.0	0.0					
G99.0	0.0	0.0	0.0	0.0	0.0					
G100.0	0.0	0.0	0.0	0.0	0.0					
G101.0	0.0	0.0	0.0	0.0	0.0					
G102.0	0.0	0.0	0.0	0.0	0.0					
G103.0	0.0	0.0	0.0	0.0	0.0					
G104.0	0.0	0.0	0.0	0.0	0.0					
G105.0	0.0	0.0	0.0	0.0	0.0					
G106.0	0.0	0.0	0.0	0.0	0.0					
G107.0	0.0	0.0	0.0	0.0	0.0					
G108.0	0.0	0.0	0.0	0.0	0.0					
G109.0	0.0	0.1	0.0	0.0	0.0					
G110.0	0.0	0.1	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.0	0.1	0.0	0.0	0.0					
G112.0	0.0	0.1	0.0	0.0	0.0					
G113.0	0.0	0.1	0.0	0.0	0.0					
G114.0	0.1	0.1	0.0	0.0	0.1					
G115.0	0.1	0.2	0.1	0.0	0.1					
G116.0	0.1	0.2	0.0	0.1	0.1					
G117.0	0.1	0.2	0.1	0.0	0.1					
G118.0	0.1	0.3	0.0	0.0	0.1					
G119.0	0.2	0.3	0.2	0.1	0.2					
G120.0	0.2	0.3	0.1	0.1	0.2					
G121.0	0.3	0.3	0.2	0.1	0.3					
G122.0	0.3	0.4	0.2	0.1	0.3					
G123.0	0.3	0.4	0.2	0.1	0.3					
G124.0	0.4	0.5	0.3	0.1	0.4					
G125.0	0.4	0.5	0.3	0.2	0.4					
G126.0	0.5	0.5	0.4	0.2	0.5					
G127.0	0.5	0.6	0.4	0.2	0.5					
G128.0	0.6	0.7	0.4	0.3	0.6					
G129.0	0.7	0.8	0.5	0.3	0.7					
G130.0	0.7	0.8	0.6	0.3	0.7					
G131.0	0.8	0.8	0.6	0.3	0.8					
G132.0	0.8	0.9	0.7	0.4	0.8					
G133.0	0.9	1.0	0.8	0.5	0.9					
G134.0	1.0	1.0	0.9	0.5	1.0					
G135.0	1.0	1.1	0.9	0.5	1.0					
G136.0	1.1	1.2	1.0	0.6	1.1					
G137.0	1.2	1.3	1.0	0.7	1.2					
G138.0	1.2	1.3	1.2	0.7	1.2					
G139.0	1.3	1.4	1.2	0.7	1.3					
G140.0	1.4	1.4	1.3	0.7	1.4					
G141.0	1.5	1.5	1.4	0.8	1.5					
G142.0	1.5	1.6	1.5	0.9	1.5					
G143.0	1.6	1.7	1.6	1.0	1.6					
G144.0	1.7	1.7	1.6	1.0	1.7					
G145.0	1.8	1.8	1.7	1.1	1.8					
G146.0	1.9	1.9	1.9	1.2	1.9					
G147.0	2.0	2.0	1.9	1.2	2.0					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	2.1	2.0	2.0	1.3	2.1					
G149.0	2.2	2.1	2.1	1.4	2.2					
G150.0	2.3	2.2	2.2	1.4	2.3					
G151.0	2.3	2.2	2.3	1.5	2.3					
G152.0	2.4	2.3	2.4	1.6	2.4					
G153.0	2.5	2.3	2.5	1.7	2.5					
G154.0	2.5	2.4	2.6	1.8	2.5					
G155.0	2.6	2.4	2.6	1.8	2.6					
G156.0	2.7	2.5	2.7	1.9	2.7					
G157.0	2.8	2.5	2.8	2.0	2.8					
G158.0	2.8	2.5	2.9	2.0	2.8					
G159.0	2.9	2.5	2.9	2.1	2.9					
G160.0	2.9	2.6	3.0	2.1	2.9					
G161.0	3.0	2.6	3.1	2.2	3.0					
G162.0	3.0	2.6	3.1	2.2	3.0					
G163.0	3.0	2.7	3.2	2.3	3.0					
G164.0	3.1	2.7	3.3	2.4	3.1					
G165.0	3.2	2.7	3.3	2.5	3.2					
G166.0	3.2	2.7	3.4	2.5	3.2					
G167.0	3.2	2.7	3.5	2.5	3.2					
G168.0	3.2	2.7	3.4	2.6	3.2					
G169.0	3.2	2.7	3.5	2.7	3.2					
G170.0	3.2	2.7	3.5	2.7	3.2					
G171.0	3.2	2.7	3.6	2.7	3.2					
G172.0	3.2	2.7	3.7	2.8	3.2					
G173.0	3.3	2.7	3.7	2.8	3.3					
G174.0	3.2	2.7	3.8	2.8	3.2					
G175.0	3.2	2.7	3.8	2.9	3.2					
G176.0	3.2	2.7	3.8	2.9	3.2					
G177.0	3.2	2.7	3.8	2.9	3.2					
G178.0	3.2	2.6	3.9	3.0	3.2					
G179.0	3.2	2.7	3.9	3.0	3.2					
G180.0	3.1	2.6	3.9	3.0	3.1					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

LED Average Luminance Report

Avg.L	cd/m^2
L 0-180(65) av	6178.79
L 0-180(75) av	1467.09
L 0-180(85) av	0.00
L 90-270(65) av	5882.87
L 90-270(75) av	1560.24
L 90-270(85) av	0.00
L 45(65) av	6030.83
L 45(75) av	1513.67
L 45(85) av	0.00

Standard: GB/T 29293-2012

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector: