

Report No.:

Test Time: 2026-04-27 10:26

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -117

Luminous Height (mm):

Current: 0.124 A

Power Factor: 0.912

Luminaire Description: 87643WTWT

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -117

Voltage: 120.2 V

Power: 13.64 W

Photometric Results

CIE Class: Direct

Measurement Flux: 900.5 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(50%): H104.9

Vertical Diffuse Angle(50%): V104.7

Luminaire Efficacy Rating (LER): 66.07

Max. Intensity: 325.15 cd

S/MH(C0/C180): 1.20

Total Rated Lamp Lumens: 900.5 lm

Efficiency: 100%

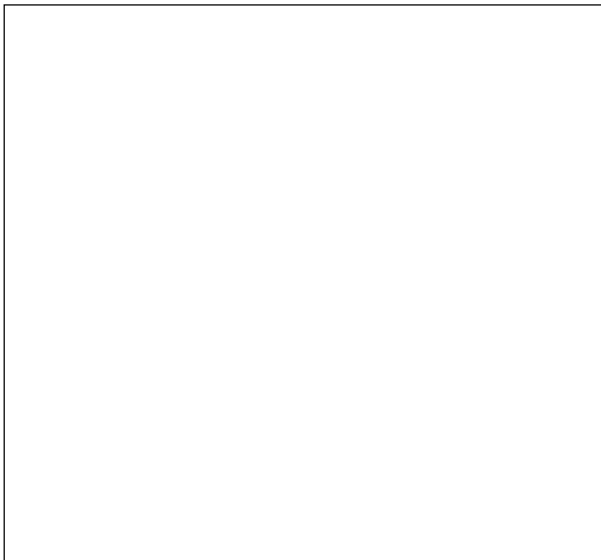
Upward Ratio: 2%

C0r0 Intensity: 324.93 cd

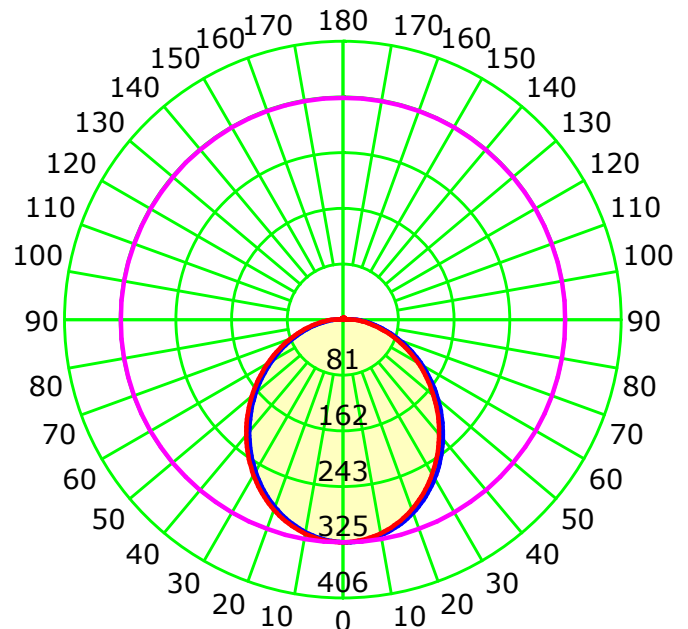
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 1.20

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 104.7°

— C0-C180 — C90-C270 — G2

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

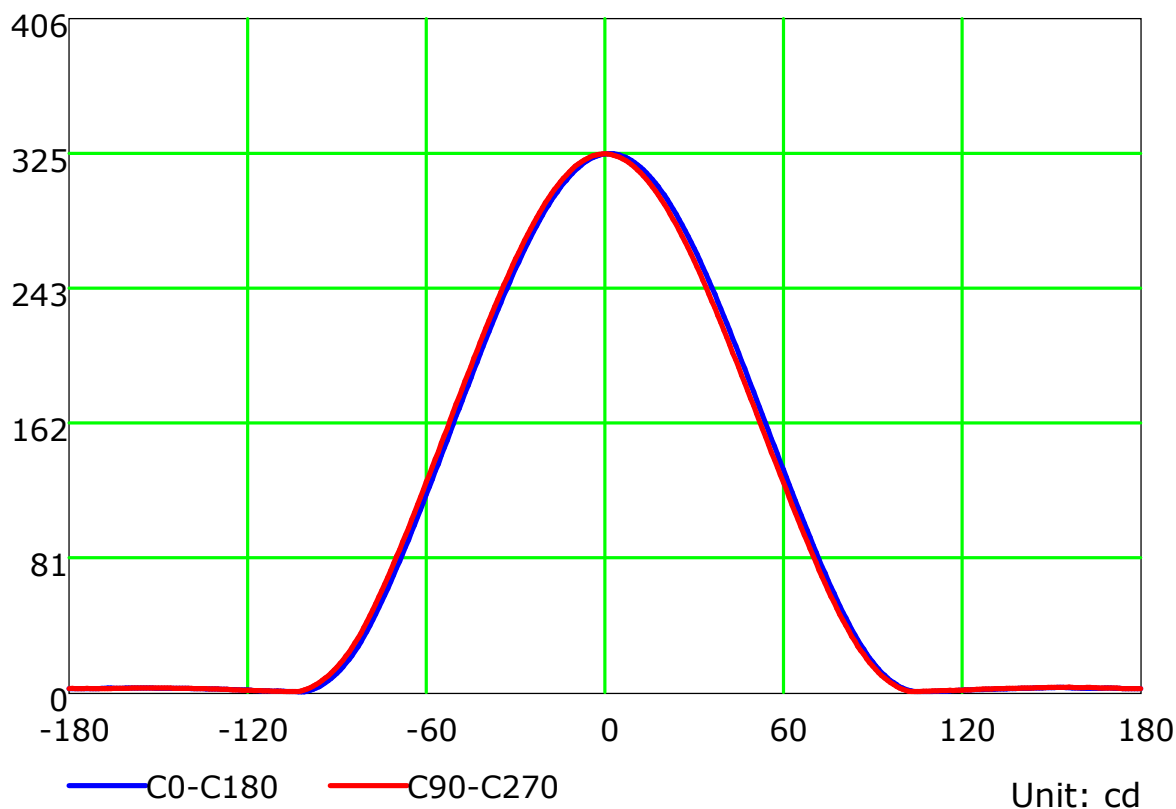
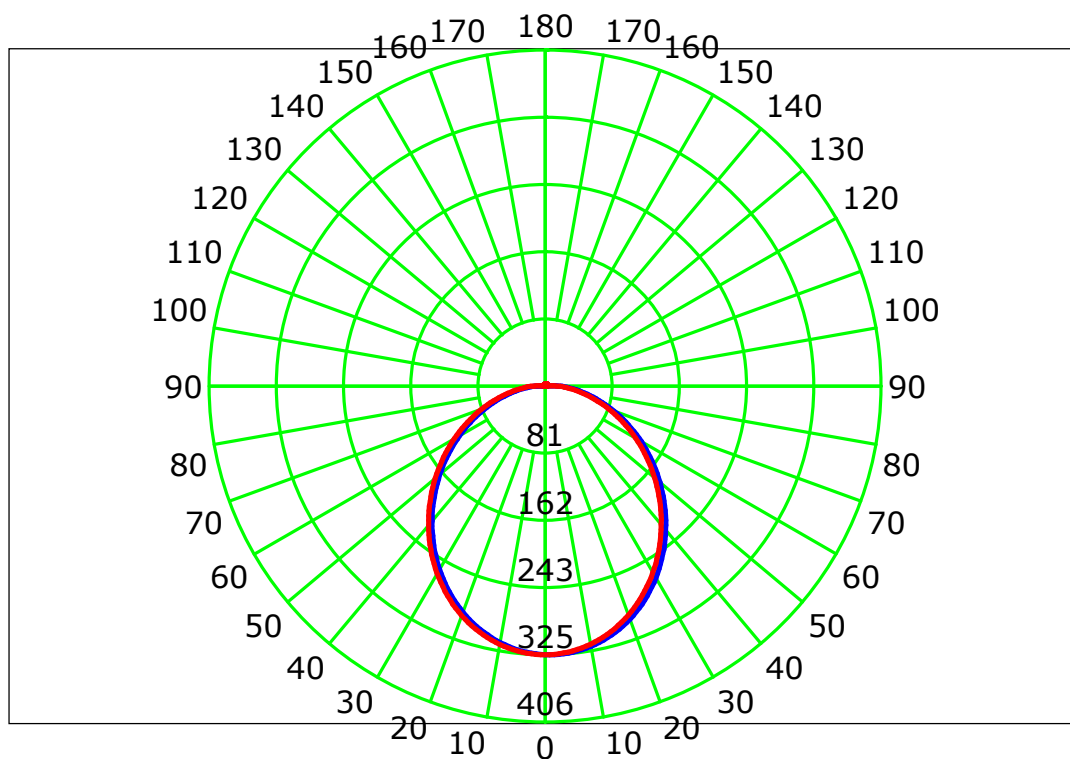
Test Device: GPM-1600L

Distance: 6.750 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: 6.750 m [K=1.0000]
Humidity:
Inspector:

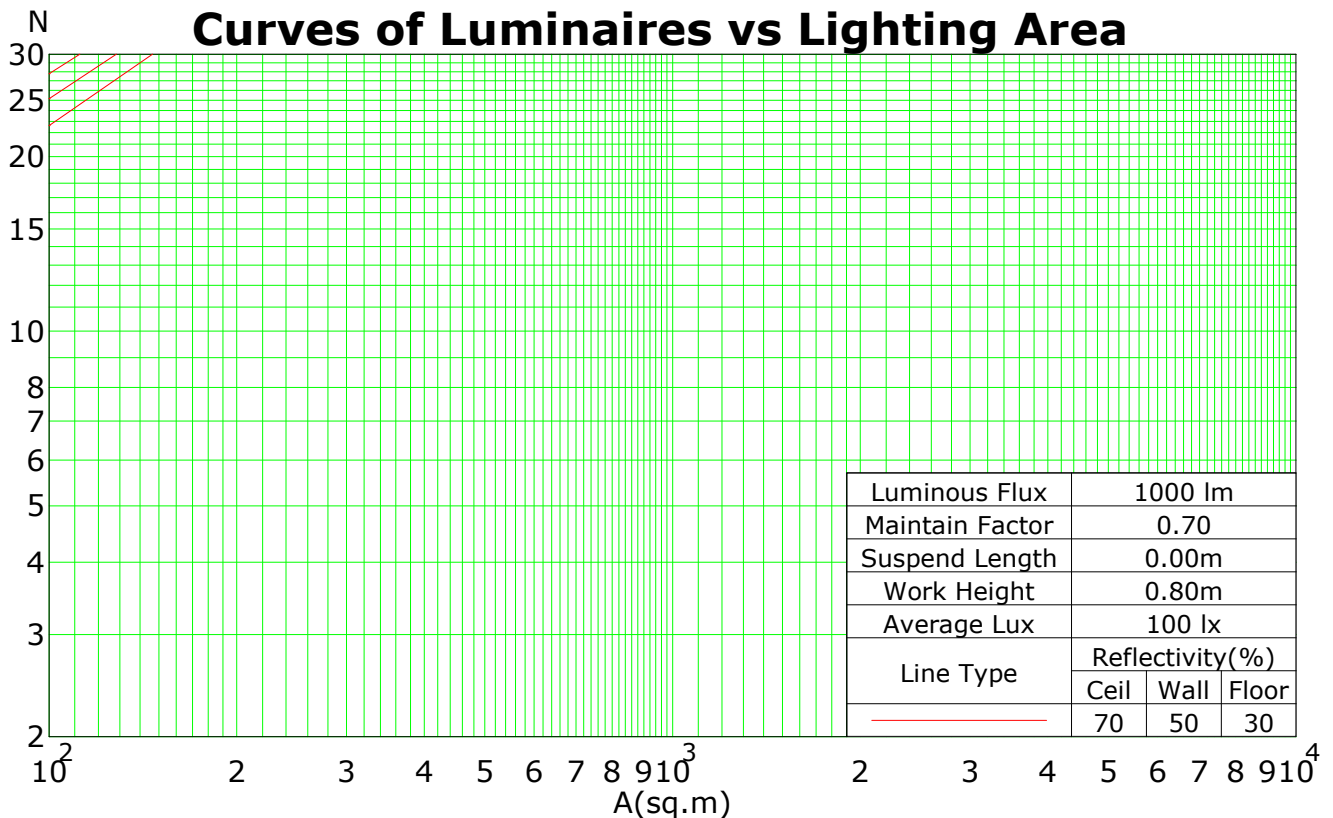
Coefficients Of Utilization - Zonal Cavity Method

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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.98
1	1.08	1.03	0.98	0.94	1.05	1.00	0.96	0.92	0.96	0.92	0.89	0.91	0.89	0.86	0.87	0.85	0.83	0.81
2	0.98	0.89	0.82	0.77	0.95	0.87	0.81	0.75	0.83	0.78	0.73	0.80	0.75	0.71	0.77	0.73	0.69	0.67
3	0.89	0.79	0.70	0.64	0.87	0.77	0.69	0.63	0.73	0.67	0.62	0.70	0.65	0.60	0.68	0.63	0.59	0.57
4	0.82	0.70	0.61	0.54	0.79	0.68	0.60	0.54	0.65	0.58	0.53	0.63	0.57	0.52	0.60	0.55	0.51	0.48
5	0.75	0.62	0.53	0.47	0.73	0.61	0.53	0.46	0.59	0.51	0.46	0.57	0.50	0.45	0.54	0.49	0.44	0.42
6	0.70	0.56	0.47	0.41	0.67	0.55	0.47	0.40	0.53	0.46	0.40	0.51	0.45	0.39	0.49	0.44	0.39	0.37
7	0.65	0.51	0.42	0.36	0.63	0.50	0.42	0.36	0.48	0.41	0.35	0.47	0.40	0.35	0.45	0.39	0.35	0.33
8	0.60	0.47	0.38	0.32	0.58	0.46	0.38	0.32	0.44	0.37	0.32	0.43	0.36	0.31	0.42	0.36	0.31	0.29
9	0.56	0.43	0.35	0.29	0.55	0.42	0.34	0.29	0.41	0.34	0.29	0.40	0.33	0.28	0.38	0.32	0.28	0.26
10	0.53	0.40	0.32	0.26	0.51	0.39	0.31	0.26	0.38	0.31	0.26	0.37	0.30	0.26	0.36	0.30	0.26	0.24

Spacing Criteria (0-180): 1.20

Spacing Criteria (90-270): 1.20

Spacing Criteria (Diagonal): 1.31



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

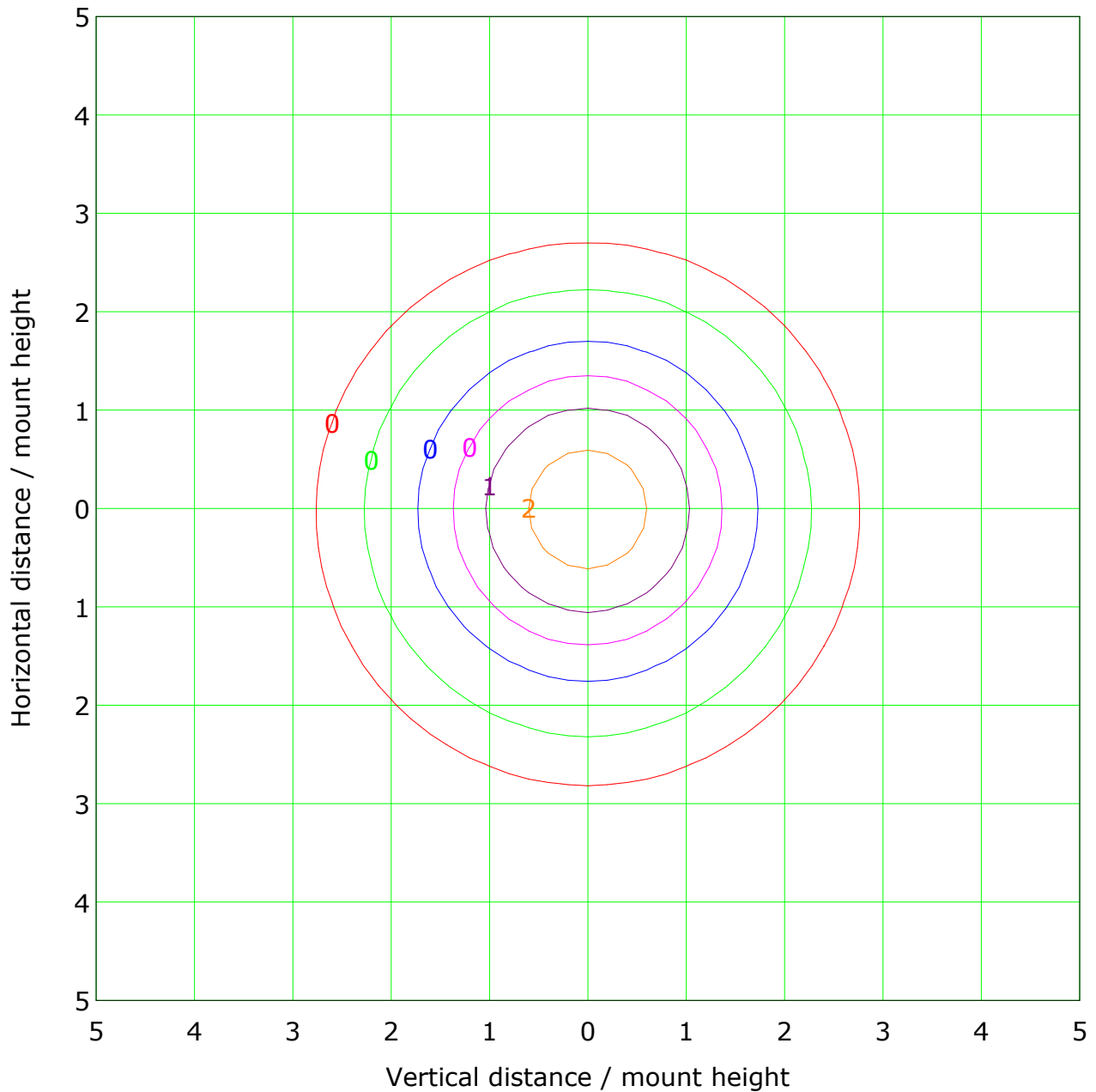
Test Device: GPM-1600L

Distance: 6.750 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.2 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.3 lx
(20%): 0.6 lx	(50%): 1.6 lx
(100%): 3.2 lx	

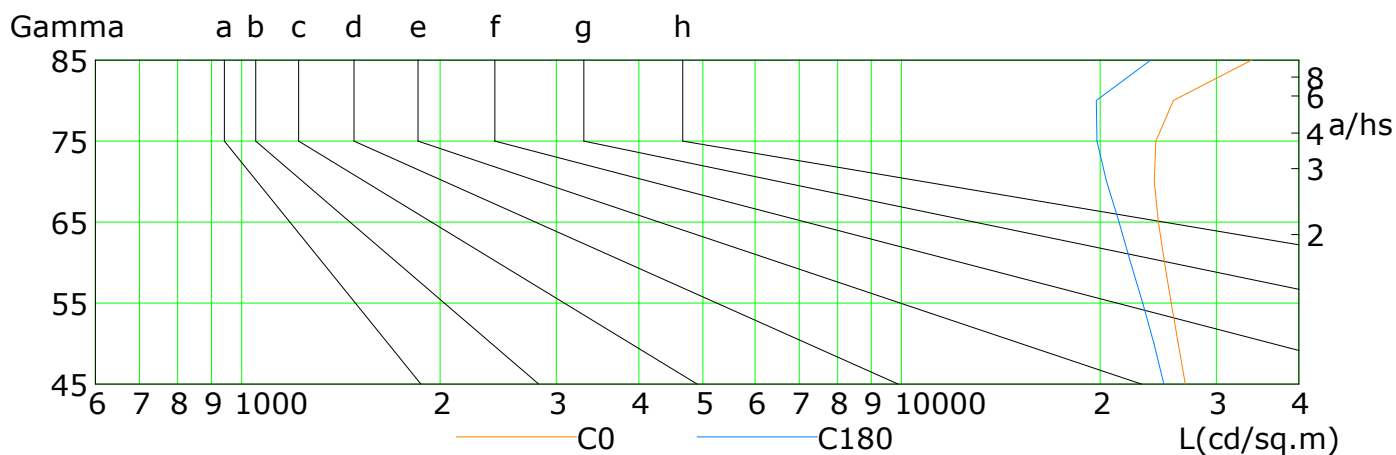
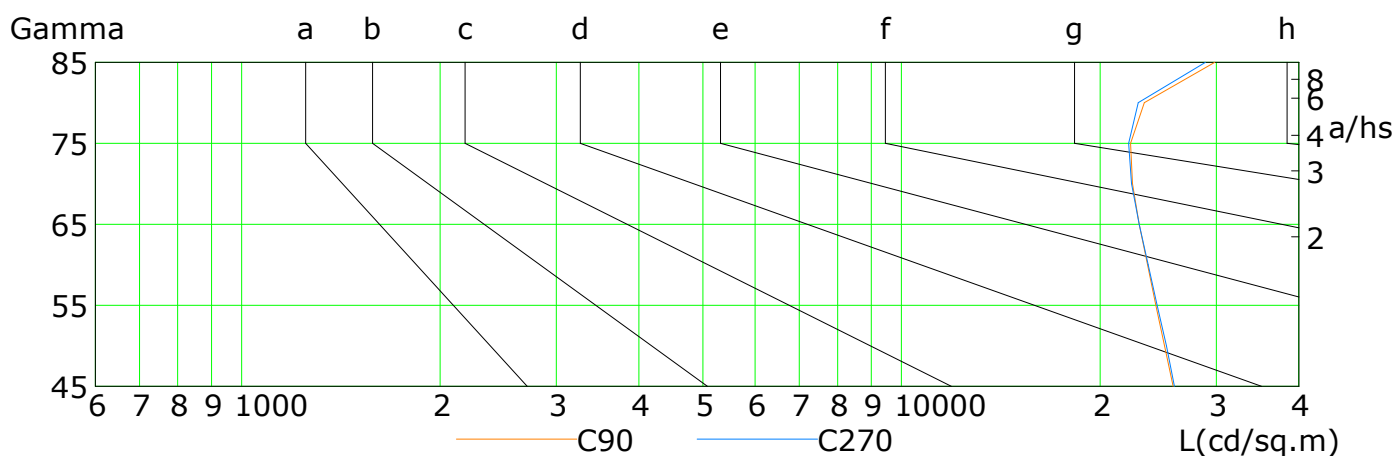
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.750 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

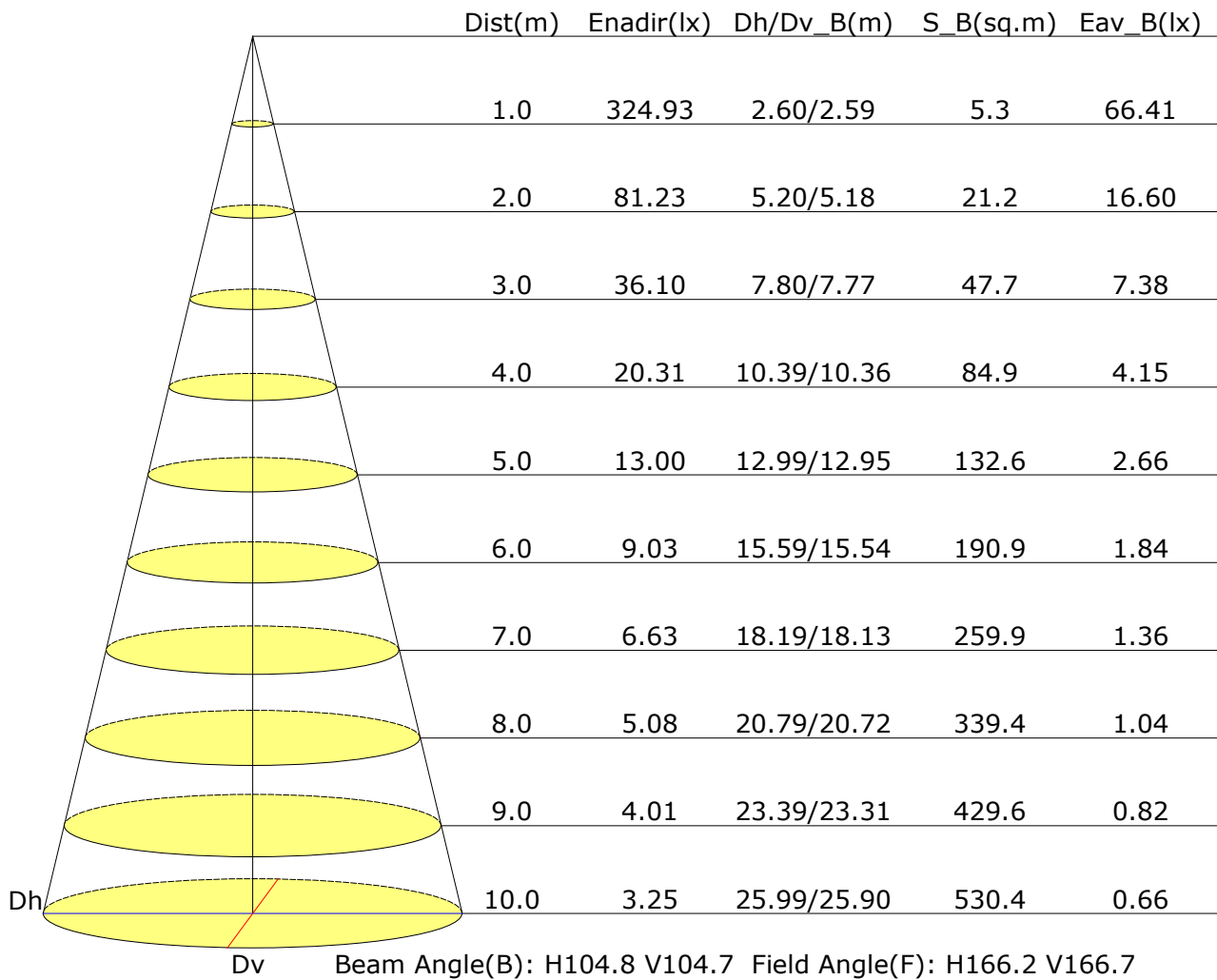


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	26923	26260	25631	25033	24517	24149	24293	25834	33915
C90	25811	25049	24285	23584	22933	22392	22238	23338	29849
C180	24973	24142	23204	22250	21364	20442	19780	19738	23873
C270	25904	25195	24392	23660	22911	22324	22083	22850	28878

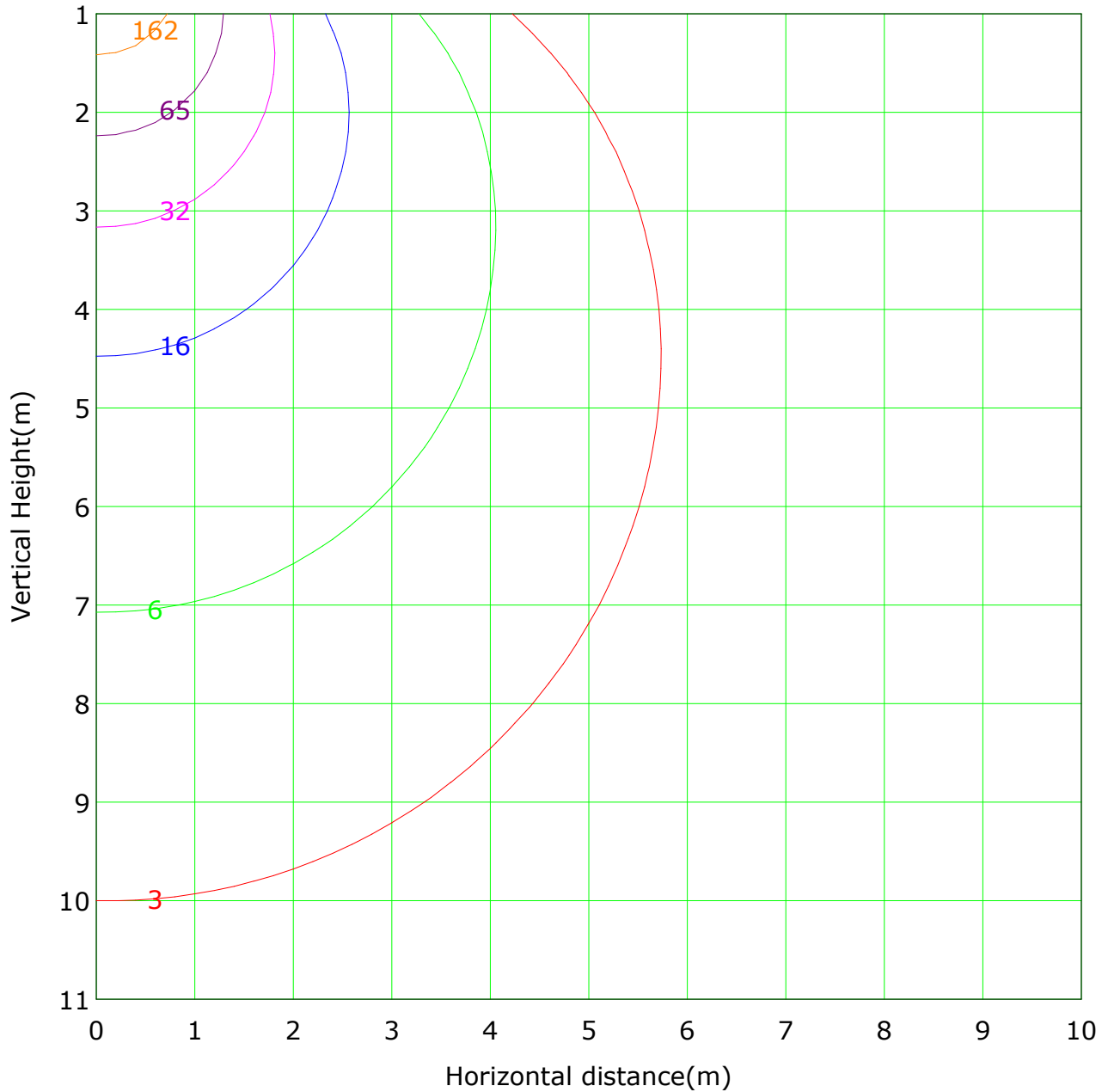
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.750 m [K=1.0000]
Humidity:
Inspector:

Illuminance at a Distance

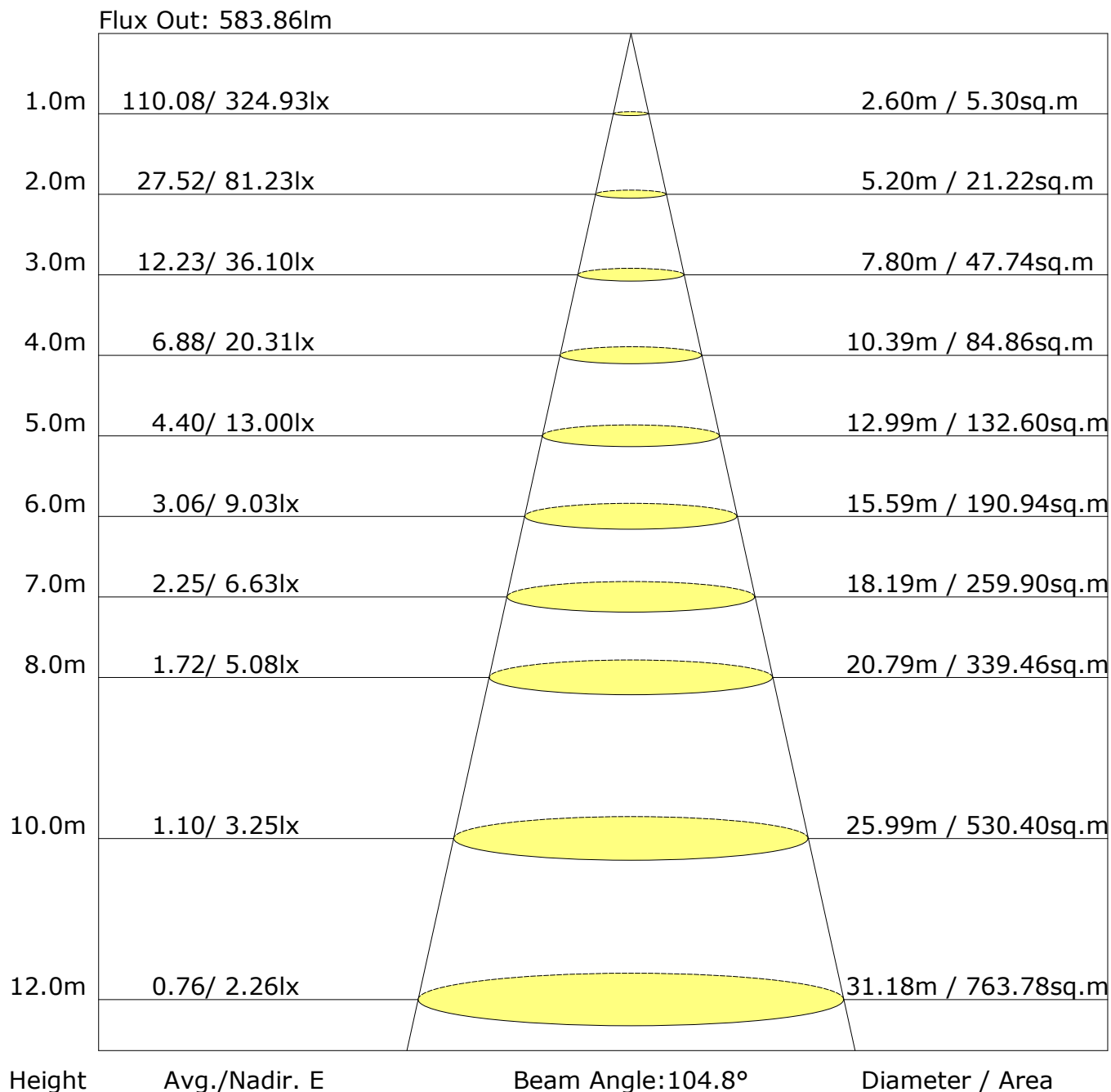


Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 324.9 lx
— (1%): 3.2 lx — (2%): 6.5 lx
— (5%): 16.2 lx — (10%): 32.5 lx
— (20%): 65.0 lx — (50%): 162.5 lx
— (100%): 324.9 lx

The Average Illuminance Effective Figure



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	23.7	25.1	24.0	25.4	25.6	23.5	24.9	23.8	25.1	25.4
3H	25.4	26.6	25.8	26.9	27.3	25.1	26.4	25.5	26.7	27.0
4H	26.2	27.3	26.5	27.7	28.0	25.8	27.0	26.2	27.3	27.7
6H	26.9	28.0	27.3	28.3	28.7	26.5	27.6	26.9	27.9	28.3
8H	27.2	28.3	27.6	28.6	29.0	26.8	27.8	27.2	28.2	28.6
12H	27.5	28.5	27.9	28.9	29.3	27.0	28.1	27.5	28.4	28.8
X=4H Y=2H	24.4	25.5	24.7	25.9	26.2	24.2	25.4	24.6	25.7	26.0
3H	26.3	27.3	26.7	27.6	28.0	26.0	27.0	26.4	27.4	27.8
4H	27.2	28.1	27.6	28.5	28.9	26.9	27.8	27.3	28.2	28.6
6H	28.0	28.9	28.5	29.3	29.7	27.7	28.5	28.2	28.9	29.4
8H	28.5	29.2	28.9	29.7	30.1	28.1	28.8	28.5	29.3	29.7
12H	28.9	29.6	29.4	30.0	30.5	28.4	29.1	28.9	29.6	30.1
X=8H Y=4H	27.5	28.3	28.0	28.7	29.2	27.3	28.0	27.8	28.5	28.9
6H	28.6	29.2	29.1	29.7	30.2	28.3	28.9	28.8	29.4	29.9
8H	29.2	29.7	29.7	30.2	30.7	28.8	29.3	29.3	29.8	30.4
12H	29.7	30.2	30.3	30.7	31.3	29.3	29.8	29.8	30.3	30.9
X=12H Y=4H	27.6	28.3	28.1	28.7	29.2	27.4	28.0	27.8	28.5	29.0
6H	28.7	29.3	29.2	29.8	30.3	28.4	29.0	28.9	29.5	30.0
8H	29.3	29.8	29.9	30.3	30.9	29.0	29.5	29.5	30.0	30.5
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.4					+0.4/-0.5				
S=2.0H	+0.5/-0.8					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 900lm ($8\log(F/F_0) = -0.4$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	451	50.1
	FL (0°-30°)	124	13.8
	FM (30°-60°)	223	24.7
	FH (60°-80°)	88	9.7
	FVH (80°-90°)	17	1.8
	BACK LIGHT	431	47.9
	BL (0°-30°)	122	13.6
	BM (30°-60°)	215	23.8
	BH (60°-80°)	81	9.0
	BVH (80°-90°)	14	1.6
	UP LIGHT	18	2.0
	UL (90°-100°)	8	0.9
	UH (100°-180°)	10	1.1
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

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: 6.750 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	324.9	0.3	0.3	0.03	0.03
1.0-2.0	324.8	0.9	1.2	0.10	0.14
2.0-3.0	324.4	1.6	2.8	0.17	0.31
3.0-4.0	324.0	2.2	5.0	0.24	0.55
4.0-5.0	323.4	2.8	7.7	0.31	0.86
5.0-6.0	322.6	3.4	11.1	0.38	1.24
6.0-7.0	321.6	4.0	15.1	0.44	1.68
7.0-8.0	320.6	4.6	19.7	0.51	2.19
8.0-9.0	319.3	5.2	24.9	0.57	2.76
9.0-10.0	318.0	5.8	30.6	0.64	3.40
10.0-11.0	316.5	6.3	37.0	0.70	4.11
11.0-12.0	314.8	6.9	43.9	0.76	4.87
12.0-13.0	313.0	7.4	51.3	0.83	5.70
13.0-14.0	311.0	8.0	59.2	0.88	6.58
14.0-15.0	309.0	8.5	67.7	0.94	7.52
15.0-16.0	306.8	9.0	76.7	1.00	8.52
16.0-17.0	304.5	9.5	86.2	1.05	9.57
17.0-18.0	302.0	10.0	96.2	1.11	10.68
18.0-19.0	299.4	10.4	106.6	1.16	11.84
19.0-20.0	296.7	10.9	117.4	1.21	13.04
20.0-21.0	293.9	11.3	128.7	1.25	14.30
21.0-22.0	290.9	11.7	140.4	1.30	15.59
22.0-23.0	287.8	12.1	152.5	1.34	16.93
23.0-24.0	284.6	12.4	164.9	1.38	18.32
24.0-25.0	281.3	12.8	177.7	1.42	19.74
25.0-26.0	278.0	13.1	190.9	1.46	21.20
26.0-27.0	274.4	13.4	204.3	1.49	22.69
27.0-28.0	270.8	13.7	218.0	1.52	24.21
28.0-29.0	267.2	14.0	232.0	1.55	25.76
29.0-30.0	263.4	14.2	246.2	1.58	27.34
30.0-31.0	259.6	14.4	260.7	1.60	28.95
31.0-32.0	255.7	14.7	275.3	1.63	30.57
32.0-33.0	251.7	14.8	290.1	1.65	32.22
33.0-34.0	247.7	15.0	305.1	1.66	33.88
34.0-35.0	243.5	15.1	320.3	1.68	35.56
35.0-36.0	239.3	15.2	335.5	1.69	37.26

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: 6.750 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	235.1	15.3	350.8	1.70	38.96
37.0-38.0	230.7	15.4	366.2	1.71	40.67
38.0-39.0	226.4	15.5	381.7	1.72	42.38
39.0-40.0	221.9	15.5	397.1	1.72	44.10
40.0-41.0	217.4	15.5	412.6	1.72	45.82
41.0-42.0	213.0	15.5	428.1	1.72	47.54
42.0-43.0	208.5	15.4	443.6	1.71	49.26
43.0-44.0	203.9	15.4	458.9	1.71	50.97
44.0-45.0	199.3	15.3	474.3	1.70	52.67
45.0-46.0	194.6	15.2	489.5	1.69	54.36
46.0-47.0	190.0	15.1	504.6	1.68	56.04
47.0-48.0	185.4	15.0	519.6	1.66	57.70
48.0-49.0	180.7	14.8	534.4	1.65	59.35
49.0-50.0	176.1	14.7	549.1	1.63	60.98
50.0-51.0	171.4	14.5	563.6	1.61	62.59
51.0-52.0	166.7	14.3	577.9	1.59	64.18
52.0-53.0	162.0	14.1	592.0	1.56	65.74
53.0-54.0	157.2	13.9	605.9	1.54	67.28
54.0-55.0	152.6	13.6	619.5	1.51	68.79
55.0-56.0	147.8	13.4	632.8	1.48	70.28
56.0-57.0	143.1	13.1	645.9	1.45	71.73
57.0-58.0	138.6	12.8	658.7	1.42	73.15
58.0-59.0	133.9	12.5	671.3	1.39	74.54
59.0-60.0	129.3	12.2	683.5	1.36	75.90
60.0-61.0	124.7	11.9	695.4	1.32	77.22
61.0-62.0	120.1	11.6	706.9	1.28	78.51
62.0-63.0	115.5	11.2	718.2	1.25	79.75
63.0-64.0	110.9	10.9	729.1	1.21	80.96
64.0-65.0	106.3	10.5	739.6	1.17	82.13
65.0-66.0	101.9	10.2	749.8	1.13	83.26
66.0-67.0	97.3	9.8	759.5	1.09	84.35
67.0-68.0	93.0	9.4	769.0	1.05	85.39
68.0-69.0	88.7	9.1	778.0	1.01	86.40
69.0-70.0	84.3	8.7	786.7	0.96	87.36
70.0-71.0	80.1	8.3	795.0	0.92	88.28
71.0-72.0	75.8	7.9	802.8	0.88	89.15

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: 6.750 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	71.6	7.5	810.3	0.83	89.99
73.0-74.0	67.6	7.1	817.4	0.79	90.78
74.0-75.0	63.5	6.7	824.2	0.75	91.52
75.0-76.0	59.6	6.3	830.5	0.70	92.23
76.0-77.0	55.8	6.0	836.4	0.66	92.89
77.0-78.0	52.0	5.6	842.0	0.62	93.50
78.0-79.0	48.3	5.2	847.2	0.58	94.08
79.0-80.0	44.7	4.8	852.0	0.53	94.62
80.0-81.0	41.2	4.5	856.5	0.50	95.11
81.0-82.0	38.0	4.1	860.6	0.46	95.57
82.0-83.0	34.8	3.8	864.4	0.42	95.99
83.0-84.0	31.7	3.5	867.8	0.38	96.37
84.0-85.0	28.8	3.1	871.0	0.35	96.72
85.0-86.0	26.0	2.8	873.8	0.32	97.04
86.0-87.0	23.5	2.6	876.4	0.29	97.32
87.0-88.0	21.0	2.3	878.7	0.26	97.58
88.0-89.0	18.6	2.0	880.7	0.23	97.80
89.0-90.0	16.5	1.8	882.5	0.20	98.00
90.0-91.0	14.4	1.6	884.1	0.18	98.18
91.0-92.0	12.5	1.4	885.5	0.15	98.33
92.0-93.0	10.8	1.2	886.7	0.13	98.46
93.0-94.0	9.2	1.0	887.7	0.11	98.58
94.0-95.0	7.8	0.8	888.5	0.09	98.67
95.0-96.0	6.4	0.7	889.2	0.08	98.75
96.0-97.0	5.2	0.6	889.8	0.06	98.81
97.0-98.0	4.1	0.5	890.2	0.05	98.86
98.0-99.0	3.2	0.3	890.6	0.04	98.90
99.0-100.0	2.4	0.3	890.8	0.03	98.93
100.0-101.0	1.7	0.2	891.0	0.02	98.95
101.0-102.0	1.2	0.1	891.1	0.01	98.96
102.0-103.0	0.8	0.1	891.2	0.01	98.97
103.0-104.0	0.7	0.1	891.3	0.01	98.98
104.0-105.0	0.7	0.1	891.4	0.01	98.99
105.0-106.0	0.7	0.1	891.4	0.01	99.00
106.0-107.0	0.7	0.1	891.5	0.01	99.00
107.0-108.0	0.8	0.1	891.6	0.01	99.01

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: 6.750 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	0.8	0.1	891.7	0.01	99.02
109.0-110.0	0.9	0.1	891.8	0.01	99.03
110.0-111.0	0.9	0.1	891.9	0.01	99.04
111.0-112.0	0.9	0.1	892.0	0.01	99.05
112.0-113.0	1.0	0.1	892.1	0.01	99.07
113.0-114.0	1.1	0.1	892.2	0.01	99.08
114.0-115.0	1.1	0.1	892.3	0.01	99.09
115.0-116.0	1.1	0.1	892.4	0.01	99.10
116.0-117.0	1.2	0.1	892.5	0.01	99.12
117.0-118.0	1.3	0.1	892.7	0.01	99.13
118.0-119.0	1.4	0.1	892.8	0.01	99.14
119.0-120.0	1.5	0.1	892.9	0.02	99.16
120.0-121.0	1.5	0.1	893.1	0.02	99.18
121.0-122.0	1.6	0.1	893.2	0.02	99.19
122.0-123.0	1.7	0.2	893.4	0.02	99.21
123.0-124.0	1.7	0.2	893.5	0.02	99.23
124.0-125.0	1.8	0.2	893.7	0.02	99.24
125.0-126.0	1.9	0.2	893.9	0.02	99.26
126.0-127.0	2.0	0.2	894.0	0.02	99.28
127.0-128.0	2.0	0.2	894.2	0.02	99.30
128.0-129.0	2.1	0.2	894.4	0.02	99.32
129.0-130.0	2.1	0.2	894.6	0.02	99.34
130.0-131.0	2.2	0.2	894.8	0.02	99.36
131.0-132.0	2.2	0.2	894.9	0.02	99.38
132.0-133.0	2.3	0.2	895.1	0.02	99.40
133.0-134.0	2.3	0.2	895.3	0.02	99.42
134.0-135.0	2.4	0.2	895.5	0.02	99.44
135.0-136.0	2.4	0.2	895.7	0.02	99.46
136.0-137.0	2.5	0.2	895.9	0.02	99.48
137.0-138.0	2.5	0.2	896.0	0.02	99.51
138.0-139.0	2.5	0.2	896.2	0.02	99.53
139.0-140.0	2.6	0.2	896.4	0.02	99.55
140.0-141.0	2.6	0.2	896.6	0.02	99.57
141.0-142.0	2.7	0.2	896.8	0.02	99.59
142.0-143.0	2.7	0.2	897.0	0.02	99.61
143.0-144.0	2.7	0.2	897.1	0.02	99.63

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: 6.750 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	2.8	0.2	897.3	0.02	99.65
145.0-146.0	2.8	0.2	897.5	0.02	99.66
146.0-147.0	2.8	0.2	897.6	0.02	99.68
147.0-148.0	2.8	0.2	897.8	0.02	99.70
148.0-149.0	2.9	0.2	898.0	0.02	99.72
149.0-150.0	2.9	0.2	898.1	0.02	99.74
150.0-151.0	2.9	0.2	898.3	0.02	99.76
151.0-152.0	2.9	0.2	898.4	0.02	99.77
152.0-153.0	2.9	0.1	898.6	0.02	99.79
153.0-154.0	3.0	0.1	898.7	0.02	99.80
154.0-155.0	3.0	0.1	898.9	0.02	99.82
155.0-156.0	3.0	0.1	899.0	0.01	99.84
156.0-157.0	3.0	0.1	899.1	0.01	99.85
157.0-158.0	2.9	0.1	899.3	0.01	99.86
158.0-159.0	2.9	0.1	899.4	0.01	99.88
159.0-160.0	2.8	0.1	899.5	0.01	99.89
160.0-161.0	2.8	0.1	899.6	0.01	99.90
161.0-162.0	2.7	0.1	899.7	0.01	99.91
162.0-163.0	2.7	0.1	899.8	0.01	99.92
163.0-164.0	2.7	0.1	899.9	0.01	99.93
164.0-165.0	2.7	0.1	899.9	0.01	99.94
165.0-166.0	2.7	0.1	900.0	0.01	99.95
166.0-167.0	2.7	0.1	900.1	0.01	99.95
167.0-168.0	2.7	0.1	900.1	0.01	99.96
168.0-169.0	2.7	0.1	900.2	0.01	99.97
169.0-170.0	2.6	0.1	900.3	0.01	99.97
170.0-171.0	2.6	0.0	900.3	0.01	99.98
171.0-172.0	2.6	0.0	900.3	0.00	99.98
172.0-173.0	2.6	0.0	900.4	0.00	99.99
173.0-174.0	2.5	0.0	900.4	0.00	99.99
174.0-175.0	2.5	0.0	900.4	0.00	99.99
175.0-176.0	2.5	0.0	900.5	0.00	100.00
176.0-177.0	2.4	0.0	900.5	0.00	100.00
177.0-178.0	2.4	0.0	900.5	0.00	100.00
178.0-179.0	2.4	0.0	900.5	0.00	100.00
179.0-180.0	2.5	0.0	900.5	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: 6.750 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 474.26 lm

%lum = 52.7%

%lamp = 52.7%

cone flux(120°): 683.47 lm

%lum = 75.9%

%lamp = 75.9%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	324.9	325.0	324.9	325.0	324.9					
G1.0	325.1	324.8	324.6	324.9	325.1					
G2.0	325.1	324.6	324.1	324.7	325.1					
G3.0	325.0	324.1	323.5	324.3	325.0					
G4.0	324.7	323.5	322.8	323.8	324.7					
G5.0	324.3	322.9	321.9	323.1	324.3					
G6.0	323.6	321.9	320.8	322.2	323.6					
G7.0	322.9	320.9	319.6	321.3	322.9					
G8.0	322.0	319.8	318.1	320.0	322.0					
G9.0	320.9	318.4	316.6	318.8	320.9					
G10.0	319.7	316.9	315.1	317.5	319.7					
G11.0	318.4	315.3	313.2	315.7	318.4					
G12.0	316.9	313.6	311.3	314.0	316.9					
G13.0	315.4	311.7	309.0	312.1	315.4					
G14.0	313.4	309.6	307.0	310.1	313.4					
G15.0	311.6	307.4	304.7	308.1	311.6					
G16.0	309.6	305.2	302.1	305.8	309.6					
G17.0	307.3	302.7	299.6	303.4	307.3					
G18.0	305.1	300.2	297.1	300.9	305.1					
G19.0	302.5	297.5	294.0	298.2	302.5					
G20.0	300.0	294.6	291.2	295.5	300.0					
G21.0	297.5	291.8	287.9	292.3	297.5					
G22.0	294.5	288.6	284.9	289.5	294.5					
G23.0	291.6	285.5	281.6	286.4	291.6					
G24.0	288.6	282.4	278.1	282.9	288.6					
G25.0	285.3	278.9	274.7	279.8	285.3					
G26.0	282.1	275.4	271.2	276.4	282.1					
G27.0	278.5	271.7	267.4	272.7	278.5					
G28.0	275.1	268.2	263.6	269.1	275.1					
G29.0	271.8	264.7	259.6	265.3	271.8					
G30.0	267.9	260.5	255.9	261.7	267.9					
G31.0	264.4	256.6	252.0	257.8	264.4					
G32.0	260.6	253.0	247.7	253.8	260.6					
G33.0	256.5	248.7	243.7	249.8	256.5					
G34.0	252.5	244.6	239.7	245.9	252.5					
G35.0	248.3	240.3	235.0	241.4	248.3					
G36.0	244.4	236.1	231.0	237.4	244.4					

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: 6.750 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	240.3	232.1	226.4	232.9	240.3					
G38.0	235.7	227.3	222.1	228.7	235.7					
G39.0	231.6	223.3	217.7	224.4	231.6					
G40.0	226.9	218.4	213.0	219.8	226.9					
G41.0	222.7	214.2	208.5	215.3	222.7					
G42.0	218.4	209.7	204.2	211.1	218.4					
G43.0	213.6	205.0	199.3	206.3	213.6					
G44.0	209.2	200.7	194.9	201.8	209.2					
G45.0	204.7	196.2	189.9	196.9	204.7					
G46.0	199.9	191.5	185.2	192.5	199.9					
G47.0	195.5	186.9	180.8	188.0	195.5					
G48.0	190.6	182.1	176.0	183.2	190.6					
G49.0	186.1	177.5	171.3	178.6	186.1					
G50.0	181.5	173.1	166.8	174.1	181.5					
G51.0	176.6	168.3	161.9	169.1	176.6					
G52.0	172.1	163.6	157.2	164.5	172.1					
G53.0	167.4	159.2	152.2	159.4	167.4					
G54.0	162.5	154.3	147.5	154.9	162.5					
G55.0	158.1	149.8	143.1	150.4	158.1					
G56.0	153.0	144.9	138.0	145.4	153.0					
G57.0	148.5	140.5	133.6	140.9	148.5					
G58.0	143.9	136.1	128.8	136.1	143.9					
G59.0	139.0	131.4	124.2	131.5	139.0					
G60.0	134.6	126.8	119.6	127.2	134.6					
G61.0	129.9	122.4	114.8	122.2	129.9					
G62.0	125.2	117.7	110.3	117.9	125.2					
G63.0	120.7	113.1	106.1	113.3	120.7					
G64.0	115.7	108.5	101.2	108.4	115.7					
G65.0	111.4	104.2	97.1	104.1	111.4					
G66.0	107.1	99.7	92.2	99.3	107.1					
G67.0	102.2	95.2	88.0	95.0	102.2					
G68.0	97.9	91.2	83.7	90.8	97.9					
G69.0	93.7	86.8	79.3	86.3	93.7					
G70.0	88.8	82.3	75.2	82.1	88.8					
G71.0	84.7	78.4	71.0	77.9	84.7					
G72.0	80.2	73.8	66.9	73.6	80.2					
G73.0	76.1	70.0	62.9	69.6	76.1					

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: 6.750 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	72.0	66.0	58.8	65.4	72.0					
G75.0	67.6	61.9	55.0	61.5	67.6					
G76.0	63.8	58.1	51.4	57.8	63.8					
G77.0	59.9	54.5	47.5	53.6	59.9					
G78.0	55.9	50.7	43.9	49.8	55.9					
G79.0	52.3	47.0	40.4	46.4	52.3					
G80.0	48.2	43.6	36.8	42.7	48.2					
G81.0	45.0	40.4	33.8	39.3	45.0					
G82.0	41.7	37.3	30.5	35.8	41.7					
G83.0	38.1	33.9	27.7	33.0	38.1					
G84.0	34.9	31.1	25.0	30.1	34.9					
G85.0	31.8	28.0	22.4	27.1	31.8					
G86.0	28.9	25.3	20.0	24.5	28.9					
G87.0	26.1	23.1	17.8	22.1	26.1					
G88.0	23.2	20.3	15.5	19.7	23.2					
G89.0	20.8	18.1	13.6	17.6	20.8					
G90.0	18.5	16.0	11.7	15.4	18.5					
G91.0	16.1	13.9	10.1	13.5	16.1					
G92.0	14.1	12.1	8.7	11.8	14.1					
G93.0	12.1	10.3	7.2	10.2	12.1					
G94.0	10.4	8.8	5.9	8.7	10.4					
G95.0	8.9	7.4	4.7	7.4	8.9					
G96.0	7.3	6.0	3.6	6.1	7.3					
G97.0	6.0	4.8	2.8	4.9	6.0					
G98.0	4.8	3.8	2.0	3.9	4.8					
G99.0	3.7	2.8	1.4	3.1	3.7					
G100.0	2.8	2.1	0.9	2.3	2.8					
G101.0	2.0	1.5	0.5	1.6	2.0					
G102.0	1.4	0.9	0.4	1.0	1.4					
G103.0	1.0	0.7	0.5	0.7	1.0					
G104.0	0.8	0.7	0.6	0.6	0.8					
G105.0	0.7	0.7	0.6	0.6	0.7					
G106.0	0.7	0.8	0.6	0.7	0.7					
G107.0	0.7	0.9	0.8	0.7	0.7					
G108.0	0.7	0.9	0.9	0.8	0.7					
G109.0	0.8	0.9	0.9	0.8	0.8					
G110.0	0.8	1.0	1.0	0.9	0.8					

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: 6.750 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	0.8	1.1	0.9	0.9	0.8					
G112.0	0.9	1.1	0.9	0.9	0.9					
G113.0	0.9	1.2	1.0	1.0	0.9					
G114.0	0.9	1.3	1.1	1.1	0.9					
G115.0	0.9	1.3	1.1	1.1	0.9					
G116.0	1.0	1.4	1.1	1.2	1.0					
G117.0	1.3	1.3	1.2	1.3	1.3					
G118.0	1.3	1.5	1.3	1.3	1.3					
G119.0	1.4	1.5	1.4	1.4	1.4					
G120.0	1.5	1.5	1.6	1.4	1.5					
G121.0	1.6	1.5	1.6	1.4	1.6					
G122.0	1.6	1.6	1.7	1.5	1.6					
G123.0	1.7	1.7	1.7	1.6	1.7					
G124.0	1.7	1.9	1.8	1.6	1.7					
G125.0	1.8	2.0	1.9	1.7	1.8					
G126.0	1.9	2.1	1.9	1.9	1.9					
G127.0	1.9	2.2	2.0	2.0	1.9					
G128.0	1.9	2.2	2.0	2.0	1.9					
G129.0	2.0	2.3	2.0	2.1	2.0					
G130.0	2.1	2.3	2.1	2.2	2.1					
G131.0	2.1	2.3	2.2	2.3	2.1					
G132.0	2.2	2.4	2.2	2.2	2.2					
G133.0	2.2	2.5	2.2	2.3	2.2					
G134.0	2.2	2.5	2.3	2.3	2.2					
G135.0	2.3	2.5	2.3	2.3	2.3					
G136.0	2.3	2.6	2.4	2.4	2.3					
G137.0	2.4	2.6	2.4	2.4	2.4					
G138.0	2.5	2.7	2.5	2.4	2.5					
G139.0	2.5	2.7	2.5	2.5	2.5					
G140.0	2.6	2.7	2.6	2.5	2.6					
G141.0	2.6	2.8	2.6	2.6	2.6					
G142.0	2.7	2.8	2.6	2.6	2.7					
G143.0	2.6	2.9	2.7	2.7	2.6					
G144.0	2.8	2.9	2.7	2.7	2.8					
G145.0	2.8	3.0	2.6	2.7	2.8					
G146.0	2.9	3.0	2.6	2.7	2.9					
G147.0	2.9	3.0	2.6	2.7	2.9					

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: 6.750 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	2.9	3.0	2.7	2.8	2.9					
G149.0	3.0	3.1	2.7	2.8	3.0					
G150.0	3.0	3.1	2.6	2.8	3.0					
G151.0	3.0	3.1	2.7	2.8	3.0					
G152.0	3.1	3.1	2.7	2.8	3.1					
G153.0	3.1	3.2	2.7	2.8	3.1					
G154.0	3.1	3.2	2.8	2.7	3.1					
G155.0	3.0	3.2	2.8	2.7	3.0					
G156.0	2.9	3.3	2.8	2.8	2.9					
G157.0	2.9	3.3	2.9	2.8	2.9					
G158.0	2.9	3.1	2.9	2.8	2.9					
G159.0	2.8	3.0	2.9	2.8	2.8					
G160.0	2.7	3.0	2.9	2.7	2.7					
G161.0	2.6	3.0	2.8	2.6	2.6					
G162.0	2.6	3.1	2.7	2.5	2.6					
G163.0	2.7	3.1	2.7	2.5	2.7					
G164.0	2.6	3.0	2.7	2.5	2.6					
G165.0	2.6	2.9	2.7	2.5	2.6					
G166.0	2.7	2.8	2.7	2.4	2.7					
G167.0	2.7	2.8	2.7	2.4	2.7					
G168.0	2.7	2.8	2.7	2.4	2.7					
G169.0	2.8	2.8	2.6	2.4	2.8					
G170.0	2.7	2.8	2.4	2.4	2.7					
G171.0	2.7	2.9	2.4	2.5	2.7					
G172.0	2.7	2.8	2.4	2.5	2.7					
G173.0	2.5	2.6	2.4	2.4	2.5					
G174.0	2.4	2.5	2.4	2.5	2.4					
G175.0	2.5	2.5	2.5	2.5	2.5					
G176.0	2.4	2.5	2.5	2.5	2.4					
G177.0	2.4	2.4	2.5	2.4	2.4					
G178.0	2.4	2.5	2.4	2.4	2.4					
G179.0	2.4	2.5	2.4	2.5	2.4					
G180.0	2.4	2.5	2.4	2.5	2.4					

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: 6.750 m [K=1.0000]
Humidity:
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	22940.54
L 0-180(75) av	22036.59
L 0-180(85) av	28894.22
L 90-270(65) av	22921.83
L 90-270(75) av	22160.57
L 90-270(85) av	29363.79
L 45(65) av	22931.19
L 45(75) av	22098.58
L 45(85) av	29129.00

Standard: GB/T 29293-2012