

Report No.:

Test Time: 2025-11-19 15:22

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -61

Luminous Height (mm):

Current: 0.082 A

Power Factor: 0.915

Luminaire Description: 87669-2700K

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -61

Voltage: 120.2 V

Power: 8.99 W

Photometric Results

CIE Class: Direct

Measurement Flux: 666.1 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H95

Vertical Diffuse Angle(50%): V95.2

Luminaire Efficacy Rating (LER): 74.14

Max. Intensity: 283.8 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 666.1 lm

Efficiency: 100%

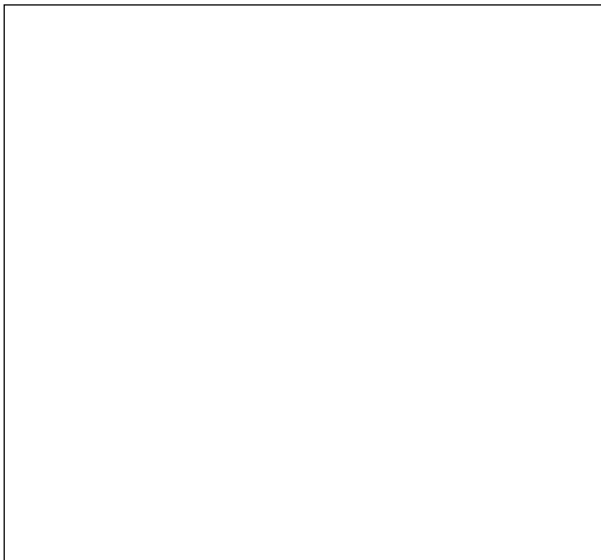
Upward Ratio: 1%

C0r0 Intensity: 283.56 cd

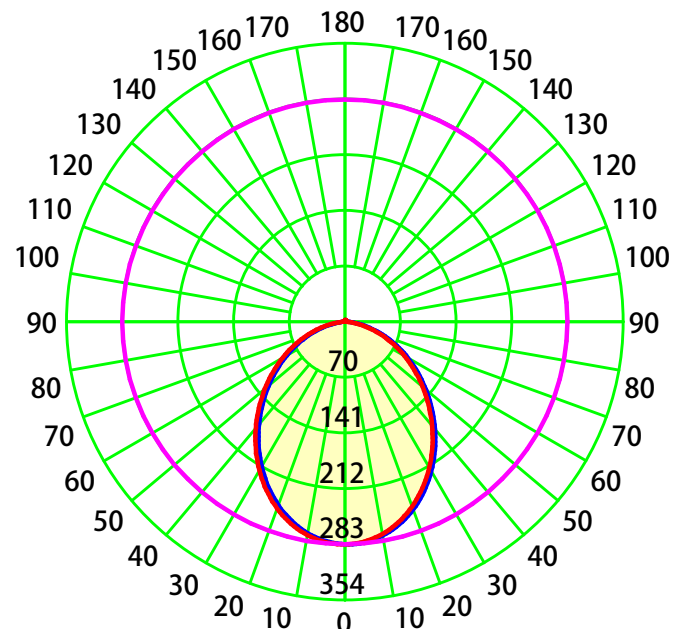
Pos of Max. Intensity: H270 V1

S/MH(C90/C270): 1.15

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 95.1°

— C0-C180 — C90-C270 — 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

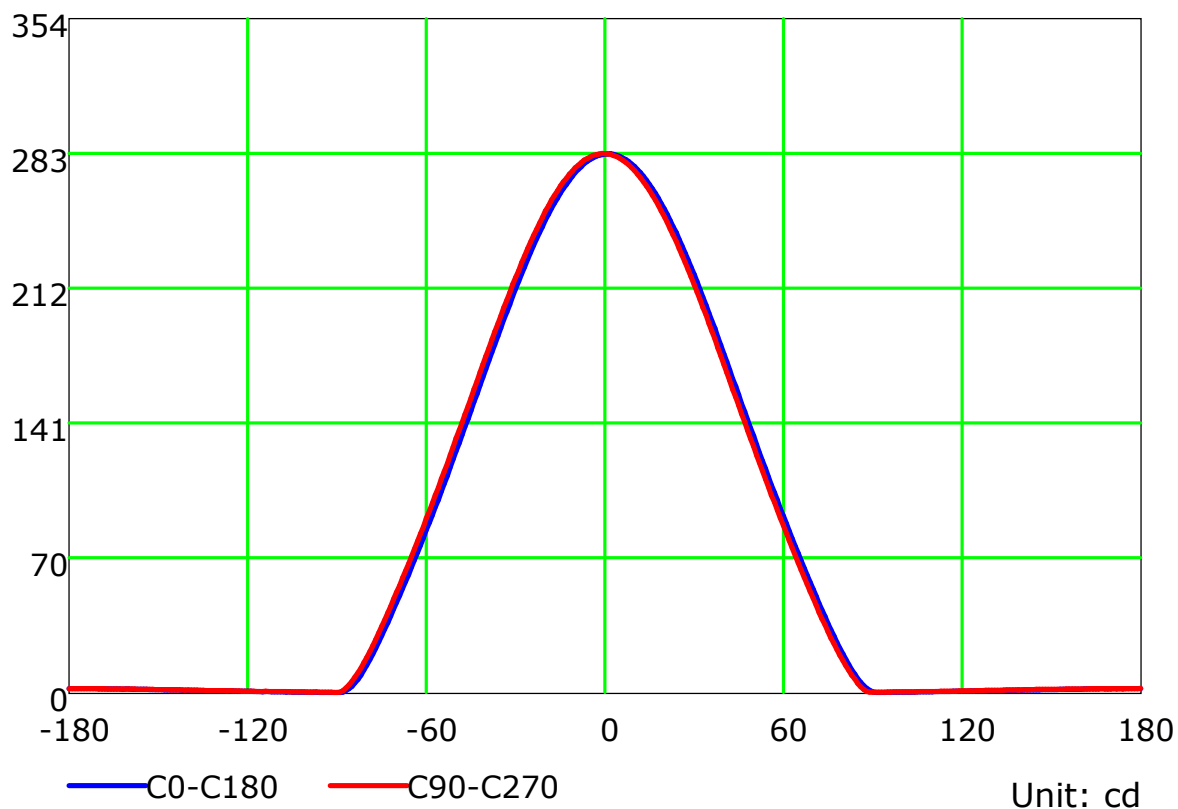
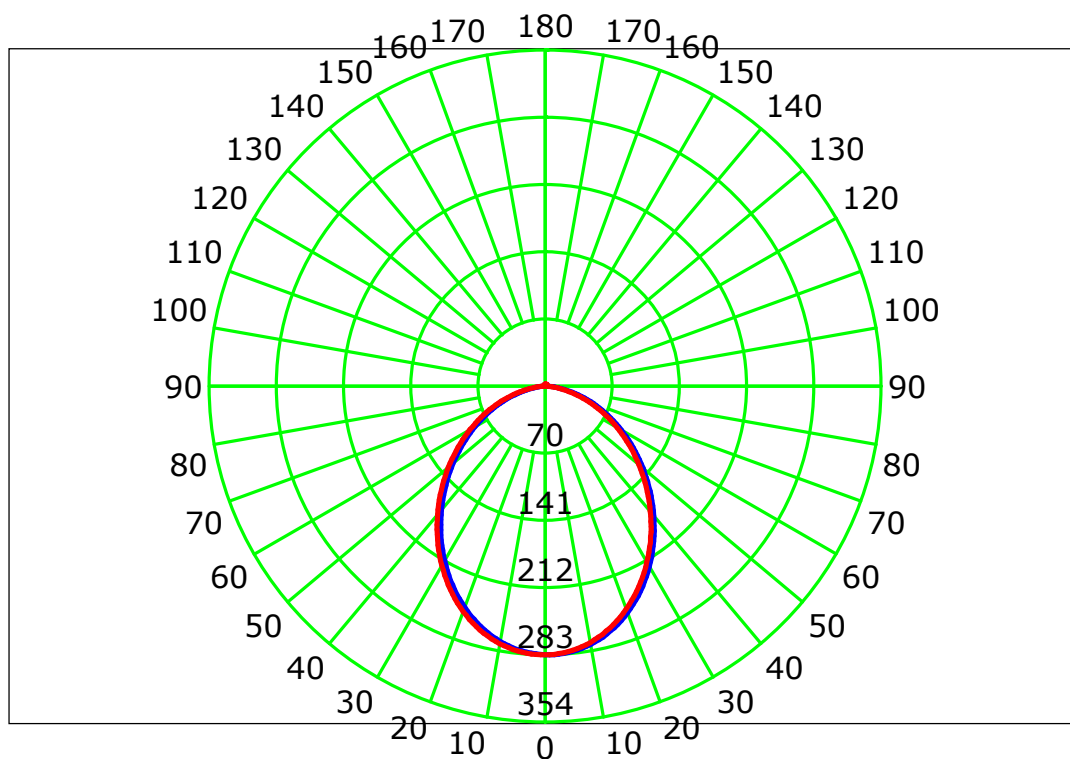
Test Device: GPM-1600L

Distance: 7.100 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:
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.100 m [K=1.0000]
Humidity:
Inspector:

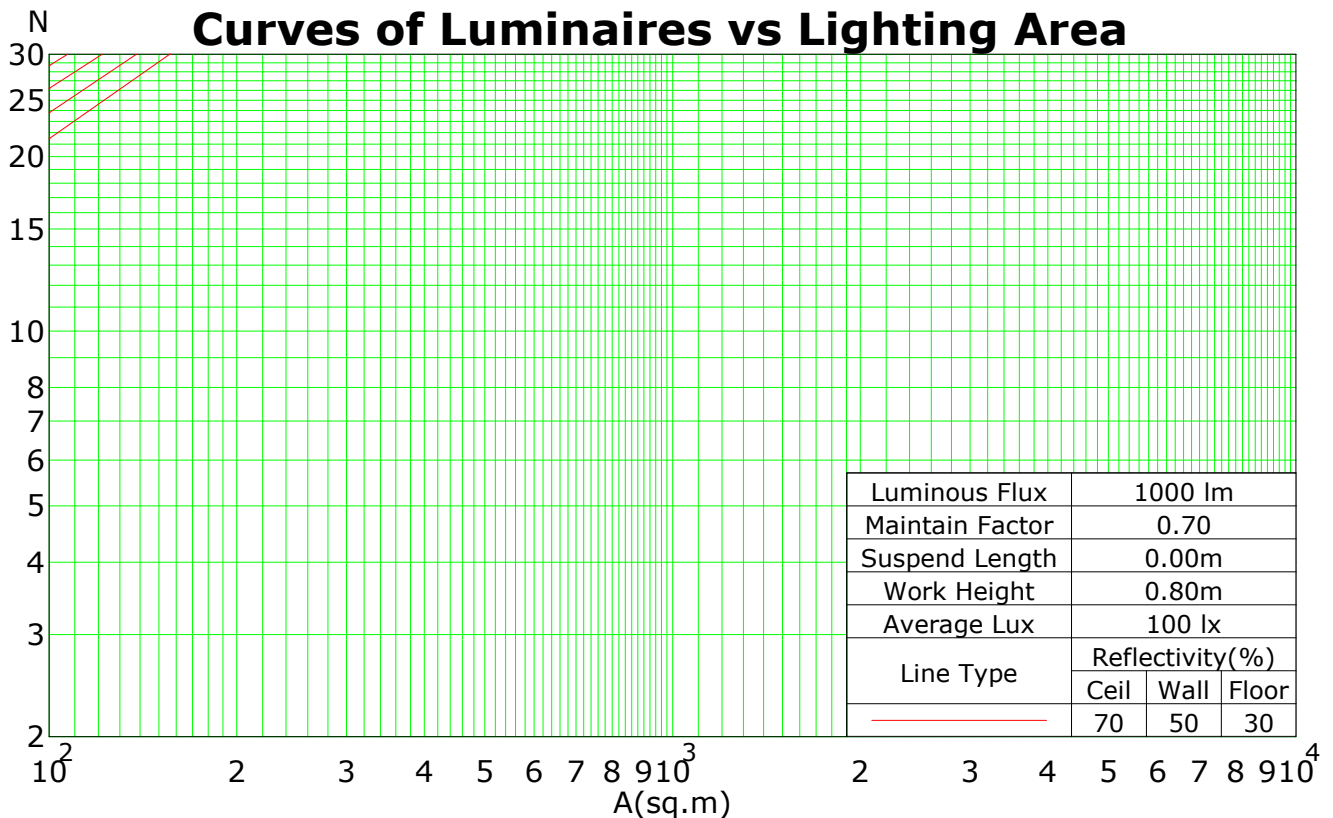
Coefficients Of Utilization - Zonal Cavity Method

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	1.09	1.05	1.01	0.97	1.07	1.03	0.99	0.96	0.98	0.95	0.93	0.94	0.92	0.90	0.91	0.89	0.87	0.85
2	1.00	0.92	0.86	0.81	0.97	0.90	0.85	0.80	0.87	0.82	0.78	0.83	0.79	0.76	0.80	0.77	0.74	0.72
3	0.92	0.82	0.74	0.68	0.89	0.80	0.73	0.67	0.77	0.71	0.66	0.74	0.69	0.65	0.72	0.67	0.63	0.61
4	0.84	0.73	0.65	0.58	0.82	0.72	0.64	0.58	0.69	0.62	0.57	0.67	0.61	0.56	0.64	0.59	0.55	0.53
5	0.78	0.65	0.57	0.50	0.76	0.64	0.56	0.50	0.62	0.55	0.50	0.60	0.54	0.49	0.58	0.53	0.48	0.46
6	0.72	0.59	0.51	0.44	0.70	0.58	0.50	0.44	0.56	0.49	0.44	0.55	0.48	0.43	0.53	0.47	0.43	0.41
7	0.67	0.54	0.45	0.40	0.65	0.53	0.45	0.39	0.51	0.44	0.39	0.50	0.44	0.39	0.49	0.43	0.38	0.36
8	0.62	0.49	0.41	0.35	0.61	0.49	0.41	0.35	0.47	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.33
9	0.58	0.45	0.37	0.32	0.57	0.45	0.37	0.32	0.44	0.37	0.32	0.43	0.36	0.32	0.41	0.36	0.31	0.30
10	0.55	0.42	0.34	0.29	0.54	0.42	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.39	0.33	0.29	0.27

Spacing Criteria (0-180): 1.15

Spacing Criteria (90-270): 1.15

Spacing Criteria (Diagonal): 1.25



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

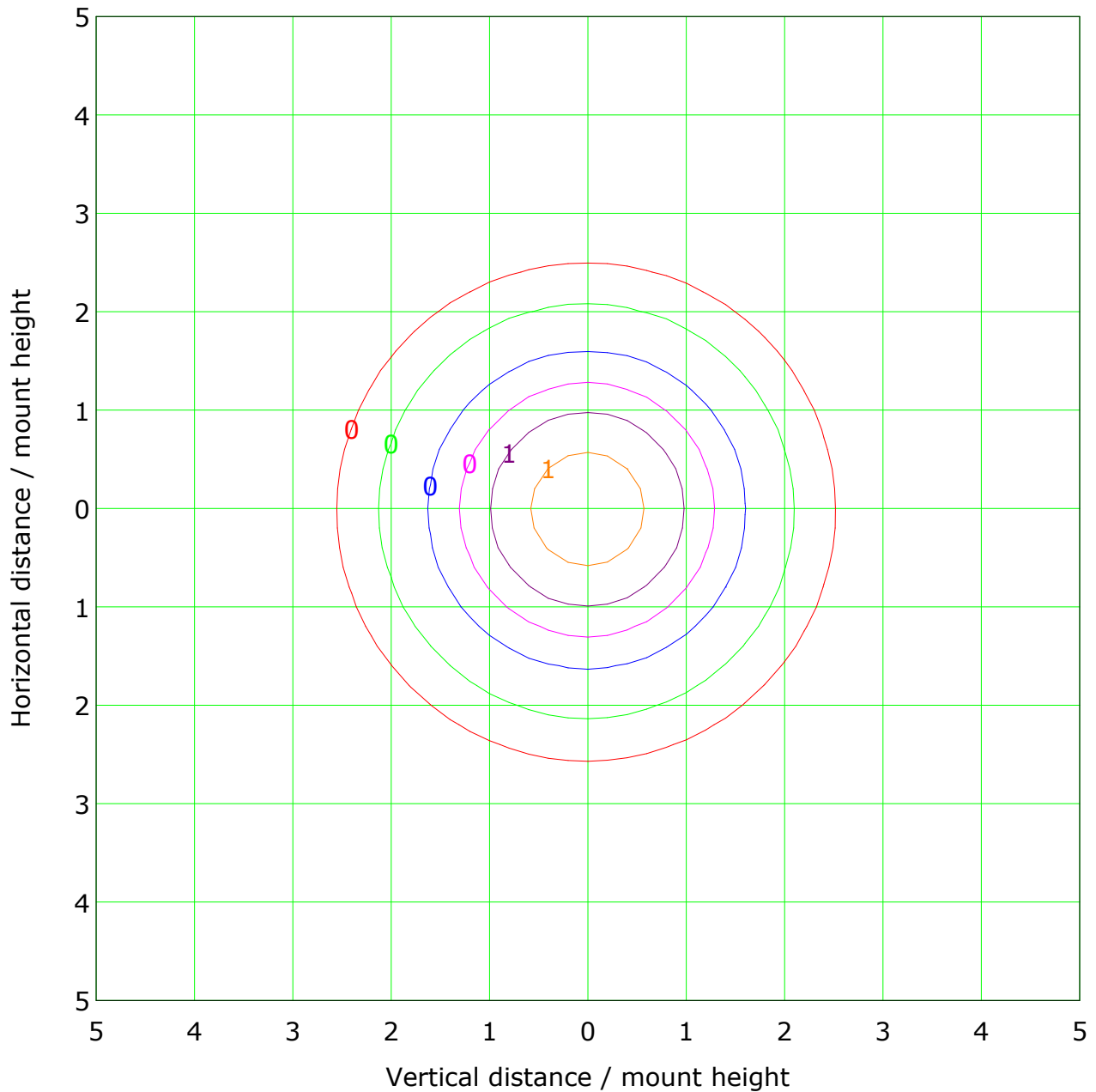
Test Device: GPM-1600L

Distance: 7.100 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 2.8 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.1 lx	(10%): 0.3 lx
(20%): 0.6 lx	(50%): 1.4 lx
(100%): 2.8 lx	

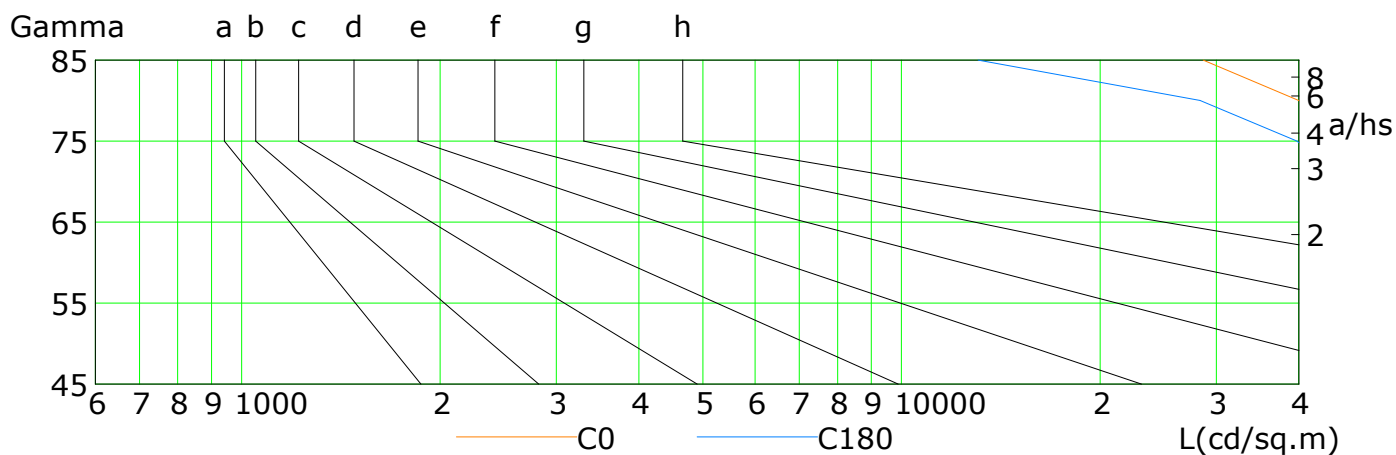
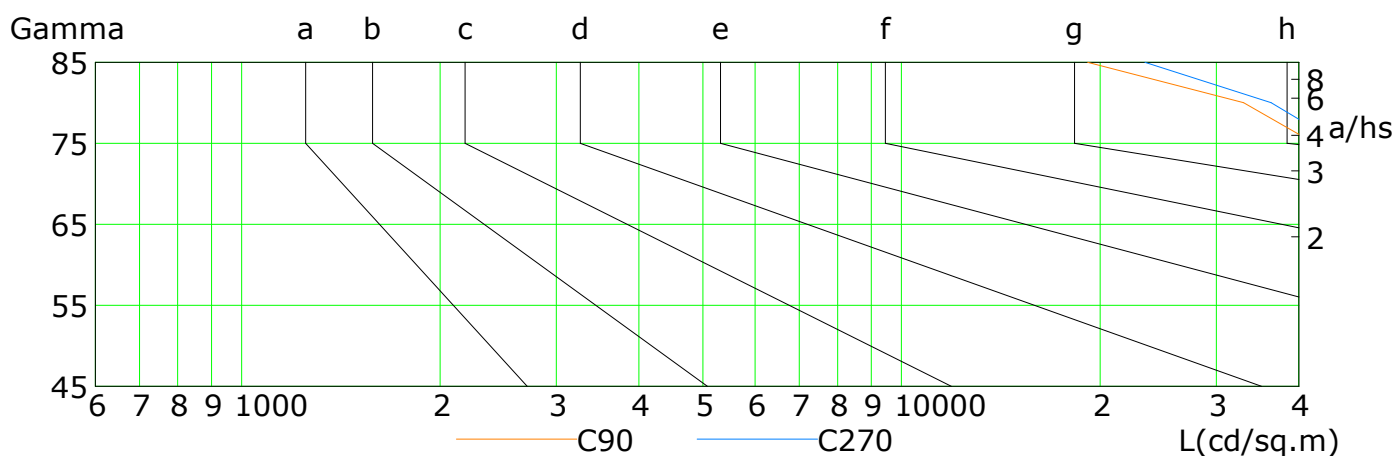
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.100 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

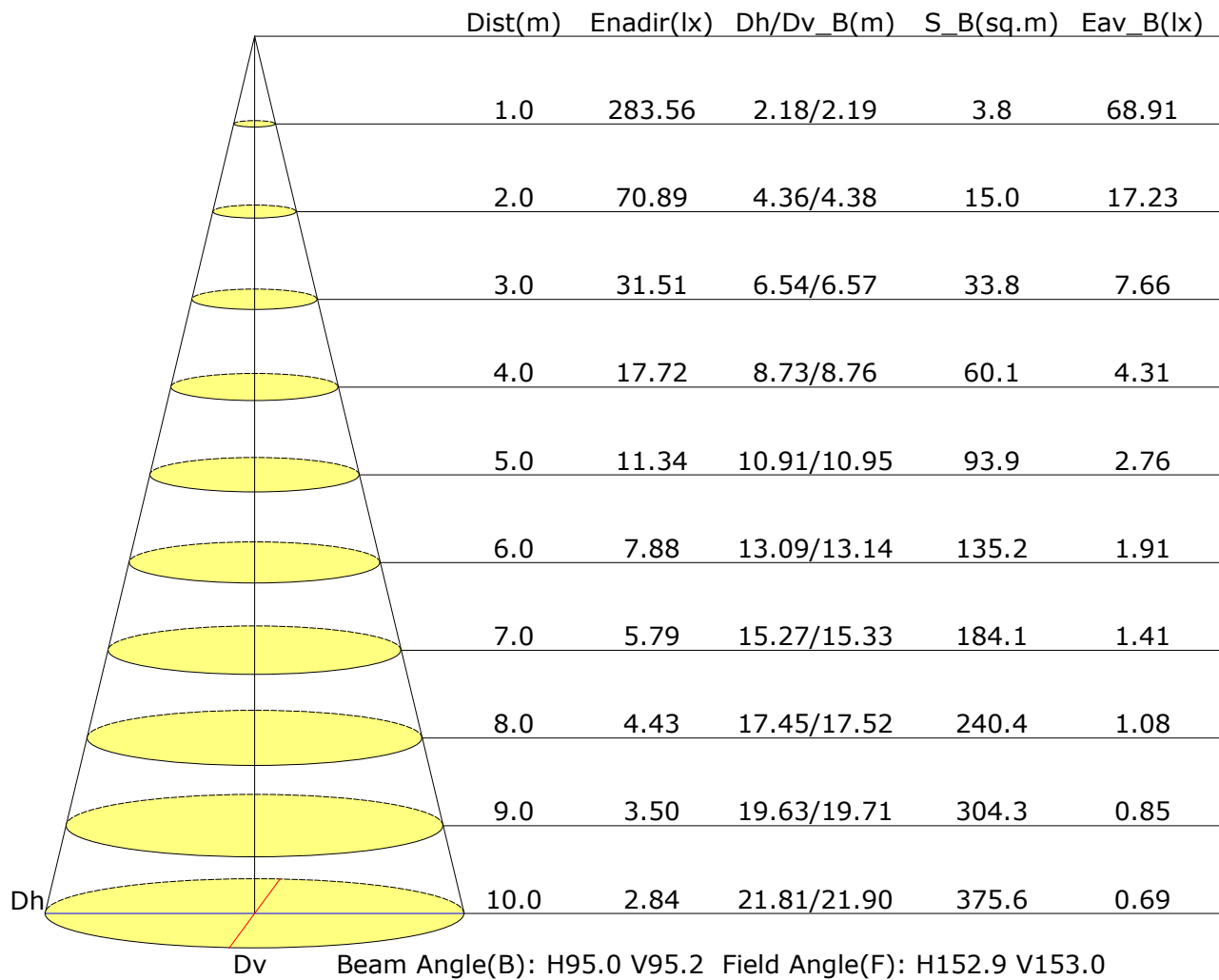


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	75848	71891	67758	63631	59356	54325	47951	39962	28660
C90	73158	68969	64608	60148	55381	49683	42386	32986	19159
C180	71870	67643	63212	58629	53543	47512	39768	28336	13074
C270	75098	71231	67060	62796	58125	52784	46220	36336	23399

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

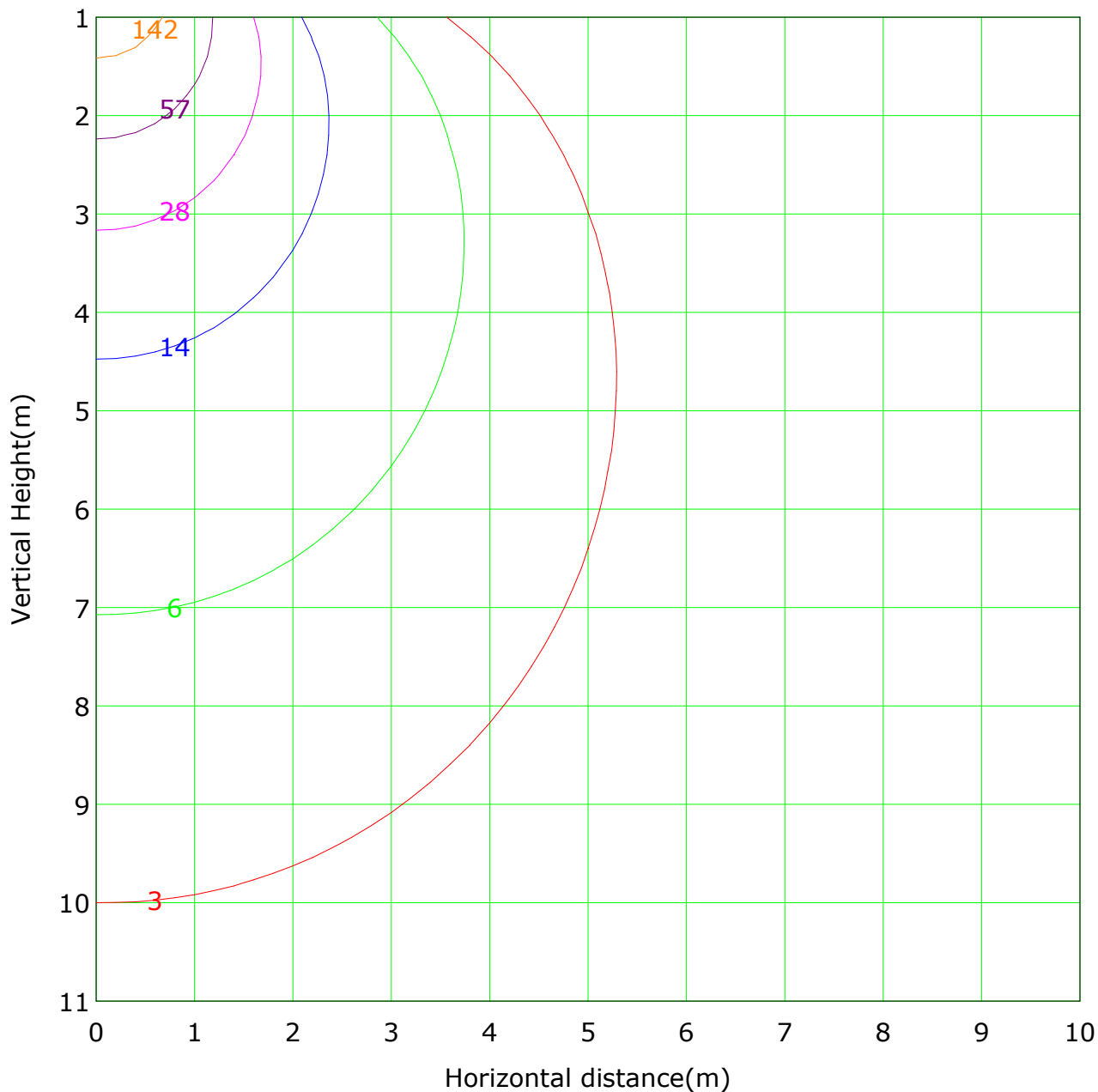
Illuminance at a Distance



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

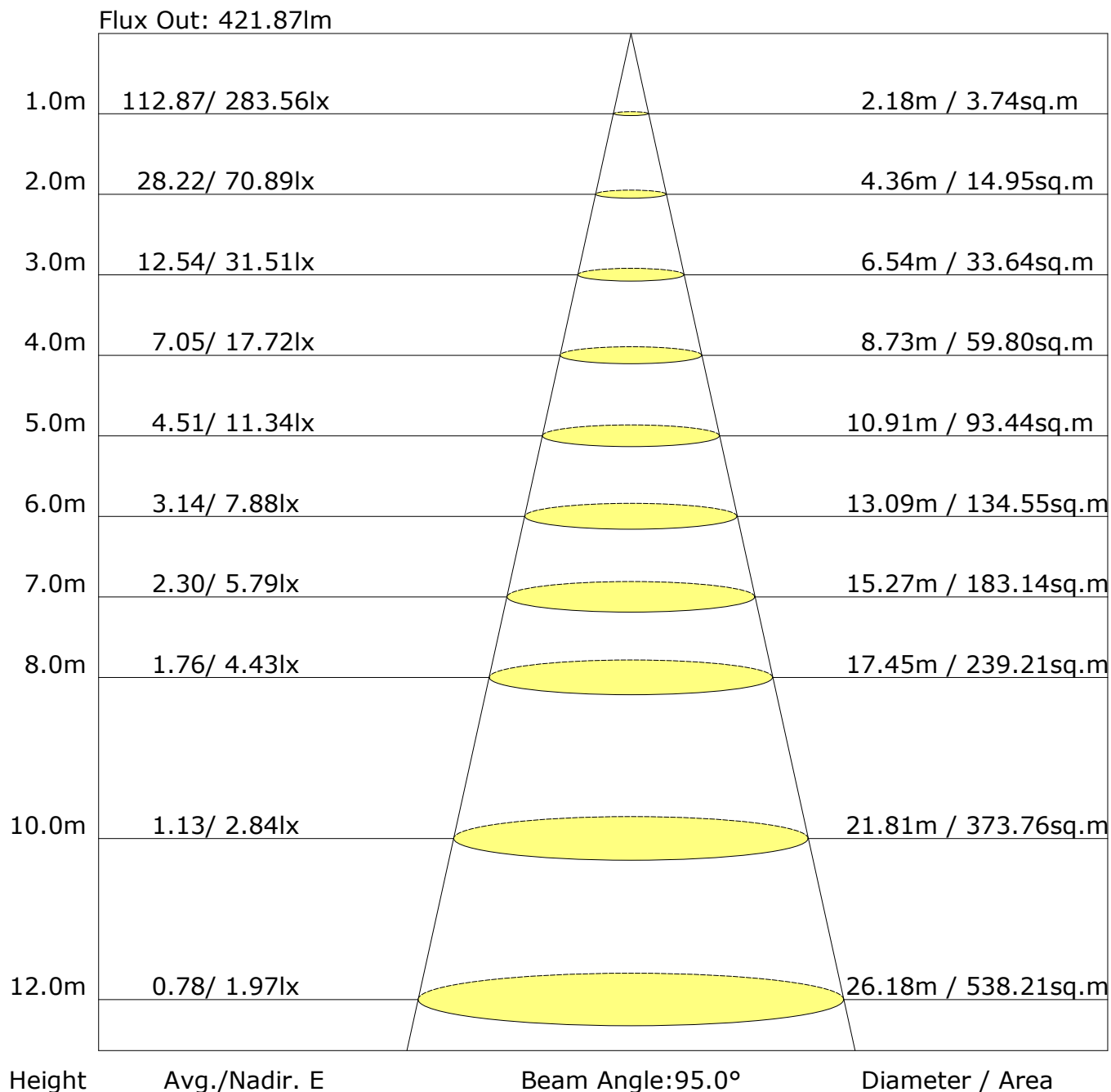
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.100 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 283.6 lx
— (1%): 2.8 lx — (2%): 5.7 lx
— (5%): 14.2 lx — (10%): 28.4 lx
— (20%): 56.7 lx — (50%): 141.8 lx
— (100%): 283.6 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	27.1	28.4	27.4	28.6	28.9	26.9	28.2	27.2	28.5	28.7
3H	28.4	29.6	28.7	29.9	30.1	28.2	29.4	28.5	29.7	30.0
4H	28.9	30.0	29.2	30.3	30.6	28.7	29.8	29.0	30.1	30.4
6H	29.2	30.3	29.6	30.6	30.9	29.0	30.0	29.3	30.3	30.7
8H	29.3	30.3	29.7	30.6	31.0	29.0	30.0	29.4	30.4	30.7
12H	29.3	30.3	29.7	30.7	31.0	29.0	30.0	29.4	30.3	30.7
X=4H Y=2H	27.6	28.7	28.0	29.0	29.4	27.5	28.7	27.9	29.0	29.3
3H	29.1	30.1	29.5	30.4	30.8	29.0	30.0	29.4	30.3	30.7
4H	29.8	30.6	30.2	31.0	31.4	29.6	30.4	30.0	30.8	31.2
6H	30.2	31.0	30.6	31.4	31.8	30.0	30.7	30.4	31.1	31.5
8H	30.3	31.0	30.8	31.4	31.9	30.1	30.7	30.5	31.2	31.6
12H	30.4	31.0	30.9	31.5	31.9	30.1	30.7	30.6	31.1	31.6
X=8H Y=4H	30.0	30.7	30.4	31.1	31.5	29.8	30.5	30.3	30.9	31.4
6H	30.5	31.1	31.0	31.5	32.0	30.3	30.9	30.8	31.3	31.8
8H	30.7	31.2	31.2	31.7	32.2	30.5	30.9	30.9	31.4	31.9
12H	30.8	31.3	31.3	31.7	32.3	30.5	31.0	31.0	31.4	32.0
X=12H Y=4H	30.0	30.6	30.4	31.0	31.5	29.8	30.4	30.3	30.9	31.3
6H	30.6	31.1	31.1	31.5	32.0	30.3	30.8	30.8	31.3	31.8
8H	30.8	31.2	31.3	31.7	32.2	30.5	30.9	31.0	31.4	31.9
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.3/-0.6					+0.3/-0.6				
S=2.0H	+0.6/-1.0					+0.6/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 666lm ($8\log(F/F_0) = -1.4$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	335	50.3
	FL (0°-30°)	105	15.8
	FM (30°-60°)	172	25.8
	FH (60°-80°)	54	8.1
	FVH (80°-90°)	4	0.6
	BACK LIGHT	325	48.8
	BL (0°-30°)	104	15.6
	BM (30°-60°)	167	25.1
	BH (60°-80°)	51	7.6
	BVH (80°-90°)	3	0.5
	UP LIGHT	6	0.8
	UL (90°-100°)	0	0.0
	UH (100°-180°)	5	0.8
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 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: 7.100 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	283.6	0.3	0.3	0.04	0.04
1.0-2.0	283.4	0.8	1.1	0.12	0.16
2.0-3.0	283.1	1.4	2.4	0.20	0.37
3.0-4.0	282.6	1.9	4.3	0.28	0.65
4.0-5.0	282.0	2.4	6.8	0.36	1.01
5.0-6.0	281.2	3.0	9.7	0.44	1.46
6.0-7.0	280.2	3.5	13.2	0.52	1.98
7.0-8.0	279.0	4.0	17.2	0.60	2.58
8.0-9.0	277.6	4.5	21.7	0.68	3.26
9.0-10.0	276.2	5.0	26.7	0.75	4.01
10.0-11.0	274.5	5.5	32.2	0.82	4.83
11.0-12.0	272.8	6.0	38.1	0.90	5.72
12.0-13.0	270.8	6.4	44.6	0.97	6.69
13.0-14.0	268.7	6.9	51.4	1.03	7.72
14.0-15.0	266.5	7.3	58.8	1.10	8.82
15.0-16.0	264.2	7.7	66.5	1.16	9.98
16.0-17.0	261.6	8.1	74.6	1.22	11.21
17.0-18.0	259.0	8.5	83.2	1.28	12.49
18.0-19.0	256.2	8.9	92.1	1.34	13.83
19.0-20.0	253.3	9.3	101.4	1.39	15.22
20.0-21.0	250.2	9.6	111.0	1.44	16.66
21.0-22.0	247.1	9.9	120.9	1.49	18.15
22.0-23.0	243.9	10.2	131.2	1.54	19.69
23.0-24.0	240.6	10.5	141.7	1.58	21.27
24.0-25.0	237.1	10.8	152.5	1.62	22.89
25.0-26.0	233.6	11.0	163.5	1.66	24.54
26.0-27.0	229.9	11.2	174.7	1.69	26.23
27.0-28.0	226.2	11.5	186.2	1.72	27.95
28.0-29.0	222.4	11.6	197.8	1.75	29.70
29.0-30.0	218.5	11.8	209.6	1.77	31.47
30.0-31.0	214.6	11.9	221.6	1.79	33.26
31.0-32.0	210.6	12.1	233.6	1.81	35.08
32.0-33.0	206.6	12.2	245.8	1.83	36.90
33.0-34.0	202.5	12.3	258.1	1.84	38.74
34.0-35.0	198.3	12.3	270.4	1.85	40.59
35.0-36.0	194.1	12.4	282.7	1.86	42.45

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: 7.100 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	189.9	12.4	295.1	1.86	44.31
37.0-38.0	185.5	12.4	307.5	1.86	46.17
38.0-39.0	181.3	12.4	319.9	1.86	48.02
39.0-40.0	176.9	12.3	332.2	1.85	49.88
40.0-41.0	172.5	12.3	344.5	1.84	51.72
41.0-42.0	168.3	12.2	356.7	1.84	53.56
42.0-43.0	163.8	12.1	368.9	1.82	55.38
43.0-44.0	159.5	12.0	380.9	1.81	57.19
44.0-45.0	155.1	11.9	392.8	1.79	58.98
45.0-46.0	150.7	11.8	404.6	1.77	60.74
46.0-47.0	146.4	11.6	416.3	1.75	62.49
47.0-48.0	142.0	11.5	427.7	1.72	64.22
48.0-49.0	137.7	11.3	439.1	1.70	65.91
49.0-50.0	133.5	11.1	450.2	1.67	67.59
50.0-51.0	129.1	10.9	461.1	1.64	69.23
51.0-52.0	124.8	10.7	471.8	1.61	70.83
52.0-53.0	120.6	10.5	482.3	1.57	72.41
53.0-54.0	116.3	10.3	492.6	1.54	73.95
54.0-55.0	112.1	10.0	502.6	1.50	75.45
55.0-56.0	107.8	9.7	512.3	1.46	76.91
56.0-57.0	103.7	9.5	521.8	1.42	78.34
57.0-58.0	99.7	9.2	531.0	1.38	79.72
58.0-59.0	95.5	8.9	540.0	1.34	81.06
59.0-60.0	91.5	8.6	548.6	1.30	82.36
60.0-61.0	87.5	8.4	557.0	1.25	83.61
61.0-62.0	83.5	8.0	565.0	1.21	84.82
62.0-63.0	79.7	7.7	572.7	1.16	85.99
63.0-64.0	75.7	7.4	580.2	1.12	87.10
64.0-65.0	71.8	7.1	587.3	1.07	88.17
65.0-66.0	68.0	6.8	594.1	1.02	89.19
66.0-67.0	64.1	6.4	600.5	0.97	90.15
67.0-68.0	60.3	6.1	606.6	0.92	91.07
68.0-69.0	56.6	5.8	612.4	0.87	91.94
69.0-70.0	52.9	5.4	617.8	0.82	92.75
70.0-71.0	49.3	5.1	622.9	0.77	93.52
71.0-72.0	45.6	4.7	627.7	0.71	94.23

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: 7.100 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	42.0	4.4	632.1	0.66	94.89
73.0-74.0	38.6	4.1	636.1	0.61	95.50
74.0-75.0	35.1	3.7	639.8	0.56	96.06
75.0-76.0	31.7	3.4	643.2	0.51	96.56
76.0-77.0	28.4	3.0	646.2	0.45	97.02
77.0-78.0	25.1	2.7	648.9	0.40	97.42
78.0-79.0	22.0	2.4	651.3	0.36	97.77
79.0-80.0	19.0	2.0	653.3	0.31	98.08
80.0-81.0	16.1	1.7	655.1	0.26	98.34
81.0-82.0	13.5	1.5	656.5	0.22	98.56
82.0-83.0	10.9	1.2	657.7	0.18	98.74
83.0-84.0	8.6	0.9	658.7	0.14	98.88
84.0-85.0	6.4	0.7	659.4	0.11	98.99
85.0-86.0	4.5	0.5	659.8	0.07	99.06
86.0-87.0	3.0	0.3	660.2	0.05	99.11
87.0-88.0	1.6	0.2	660.4	0.03	99.14
88.0-89.0	0.7	0.1	660.4	0.01	99.15
89.0-90.0	0.3	0.0	660.5	0.01	99.15
90.0-91.0	0.2	0.0	660.5	0.00	99.16
91.0-92.0	0.2	0.0	660.5	0.00	99.16
92.0-93.0	0.2	0.0	660.5	0.00	99.16
93.0-94.0	0.2	0.0	660.5	0.00	99.17
94.0-95.0	0.2	0.0	660.6	0.00	99.17
95.0-96.0	0.2	0.0	660.6	0.00	99.17
96.0-97.0	0.3	0.0	660.6	0.00	99.18
97.0-98.0	0.3	0.0	660.6	0.00	99.18
98.0-99.0	0.3	0.0	660.7	0.00	99.19
99.0-100.0	0.3	0.0	660.7	0.00	99.19
100.0-101.0	0.3	0.0	660.7	0.01	99.20
101.0-102.0	0.3	0.0	660.8	0.01	99.20
102.0-103.0	0.3	0.0	660.8	0.01	99.21
103.0-104.0	0.4	0.0	660.9	0.01	99.21
104.0-105.0	0.4	0.0	660.9	0.01	99.22
105.0-106.0	0.4	0.0	660.9	0.01	99.23
106.0-107.0	0.5	0.0	661.0	0.01	99.23
107.0-108.0	0.5	0.0	661.0	0.01	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: 7.100 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	0.5	0.1	661.1	0.01	99.25
109.0-110.0	0.5	0.1	661.1	0.01	99.26
110.0-111.0	0.5	0.1	661.2	0.01	99.26
111.0-112.0	0.6	0.1	661.3	0.01	99.27
112.0-113.0	0.6	0.1	661.3	0.01	99.28
113.0-114.0	0.6	0.1	661.4	0.01	99.29
114.0-115.0	0.6	0.1	661.4	0.01	99.30
115.0-116.0	0.6	0.1	661.5	0.01	99.31
116.0-117.0	0.7	0.1	661.6	0.01	99.32
117.0-118.0	0.7	0.1	661.6	0.01	99.33
118.0-119.0	0.8	0.1	661.7	0.01	99.34
119.0-120.0	0.8	0.1	661.8	0.01	99.35
120.0-121.0	0.8	0.1	661.9	0.01	99.36
121.0-122.0	0.8	0.1	661.9	0.01	99.38
122.0-123.0	0.9	0.1	662.0	0.01	99.39
123.0-124.0	0.9	0.1	662.1	0.01	99.40
124.0-125.0	0.9	0.1	662.2	0.01	99.41
125.0-126.0	1.0	0.1	662.3	0.01	99.43
126.0-127.0	1.0	0.1	662.4	0.01	99.44
127.0-128.0	1.0	0.1	662.4	0.01	99.45
128.0-129.0	1.0	0.1	662.5	0.01	99.47
129.0-130.0	1.1	0.1	662.6	0.01	99.48
130.0-131.0	1.1	0.1	662.7	0.01	99.49
131.0-132.0	1.1	0.1	662.8	0.01	99.51
132.0-133.0	1.2	0.1	662.9	0.01	99.52
133.0-134.0	1.2	0.1	663.0	0.01	99.54
134.0-135.0	1.2	0.1	663.1	0.01	99.55
135.0-136.0	1.2	0.1	663.2	0.01	99.56
136.0-137.0	1.3	0.1	663.3	0.01	99.58
137.0-138.0	1.3	0.1	663.4	0.01	99.59
138.0-139.0	1.3	0.1	663.5	0.01	99.61
139.0-140.0	1.4	0.1	663.6	0.01	99.62
140.0-141.0	1.4	0.1	663.7	0.01	99.64
141.0-142.0	1.4	0.1	663.8	0.01	99.65
142.0-143.0	1.4	0.1	663.9	0.01	99.66
143.0-144.0	1.5	0.1	664.0	0.01	99.68

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: 7.100 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	1.5	0.1	664.1	0.01	99.69
145.0-146.0	1.5	0.1	664.2	0.01	99.71
146.0-147.0	1.6	0.1	664.2	0.01	99.72
147.0-148.0	1.6	0.1	664.3	0.01	99.74
148.0-149.0	1.6	0.1	664.4	0.01	99.75
149.0-150.0	1.6	0.1	664.5	0.01	99.76
150.0-151.0	1.7	0.1	664.6	0.01	99.78
151.0-152.0	1.7	0.1	664.7	0.01	99.79
152.0-153.0	1.7	0.1	664.8	0.01	99.80
153.0-154.0	1.7	0.1	664.9	0.01	99.82
154.0-155.0	1.8	0.1	665.0	0.01	99.83
155.0-156.0	1.8	0.1	665.0	0.01	99.84
156.0-157.0	1.8	0.1	665.1	0.01	99.85
157.0-158.0	1.8	0.1	665.2	0.01	99.86
158.0-159.0	1.9	0.1	665.3	0.01	99.88
159.0-160.0	1.9	0.1	665.3	0.01	99.89
160.0-161.0	1.9	0.1	665.4	0.01	99.90
161.0-162.0	1.9	0.1	665.5	0.01	99.91
162.0-163.0	1.9	0.1	665.5	0.01	99.92
163.0-164.0	1.9	0.1	665.6	0.01	99.93
164.0-165.0	2.0	0.1	665.7	0.01	99.93
165.0-166.0	2.0	0.1	665.7	0.01	99.94
166.0-167.0	2.0	0.1	665.8	0.01	99.95
167.0-168.0	2.0	0.0	665.8	0.01	99.96
168.0-169.0	2.0	0.0	665.9	0.01	99.96
169.0-170.0	2.1	0.0	665.9	0.01	99.97
170.0-171.0	2.1	0.0	665.9	0.01	99.98
171.0-172.0	2.1	0.0	666.0	0.01	99.98
172.0-173.0	2.1	0.0	666.0	0.00	99.99
173.0-174.0	2.1	0.0	666.0	0.00	99.99
174.0-175.0	2.1	0.0	666.0	0.00	99.99
175.0-176.0	2.1	0.0	666.1	0.00	100.00
176.0-177.0	2.1	0.0	666.1	0.00	100.00
177.0-178.0	2.1	0.0	666.1	0.00	100.00
178.0-179.0	2.1	0.0	666.1	0.00	100.00
179.0-180.0	2.1	0.0	666.1	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: 7.100 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 392.83 lm

%lum = 59.0%
%lamp = 59.0%

cone flux(120°): 548.60 lm

%lum = 82.4%
%lamp = 82.4%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	283.6	283.8	283.6	283.8	283.6					
G1.0	283.6	283.5	283.3	283.8	283.6					
G2.0	283.6	283.3	282.9	283.6	283.6					
G3.0	283.4	282.7	282.4	283.2	283.4					
G4.0	282.9	282.2	281.5	282.8	282.9					
G5.0	282.4	281.3	280.7	282.1	282.4					
G6.0	281.6	280.3	279.6	281.2	281.6					
G7.0	280.6	279.2	278.5	280.4	280.6					
G8.0	279.7	277.9	276.9	279.0	279.7					
G9.0	278.3	276.4	275.4	277.7	278.3					
G10.0	276.9	274.8	273.8	276.3	276.9					
G11.0	275.3	272.9	271.8	274.5	275.3					
G12.0	273.8	271.1	269.8	273.0	273.8					
G13.0	271.8	269.1	267.5	270.8	271.8					
G14.0	269.7	266.6	265.3	268.9	269.7					
G15.0	267.5	264.5	262.9	266.6	267.5					
G16.0	265.4	261.9	260.2	264.1	265.4					
G17.0	262.9	259.2	257.5	261.6	262.9					
G18.0	260.2	256.6	254.9	259.3	260.2					
G19.0	257.5	253.5	251.9	256.2	257.5					
G20.0	254.6	250.5	248.8	253.5	254.6					
G21.0	251.7	247.5	245.3	250.2	251.7					
G22.0	248.5	244.0	242.2	247.2	248.5					
G23.0	245.3	240.9	239.0	244.0	245.3					
G24.0	242.2	237.5	235.3	240.5	242.2					
G25.0	238.6	233.9	231.8	237.1	238.6					
G26.0	235.1	230.3	228.3	233.8	235.1					
G27.0	231.4	226.5	224.1	229.8	231.4					
G28.0	227.8	222.7	220.6	226.4	227.8					
G29.0	224.1	219.0	216.6	222.2	224.1					
G30.0	220.1	214.8	212.6	218.5	220.1					
G31.0	216.2	211.0	208.8	214.9	216.2					
G32.0	212.3	207.1	204.4	210.5	212.3					
G33.0	208.3	202.8	200.5	206.6	208.3					
G34.0	204.1	198.9	196.4	202.7	204.1					
G35.0	199.9	194.4	192.1	198.3	199.9					
G36.0	195.7	190.3	187.9	194.2	195.7					

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: 7.100 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	191.6	186.1	183.3	189.9	191.6					
G38.0	187.0	181.4	179.1	185.7	187.0					
G39.0	182.9	177.4	175.0	181.4	182.9					
G40.0	178.3	172.6	170.3	177.0	178.3					
G41.0	174.2	168.5	166.1	172.9	174.2					
G42.0	169.8	164.3	161.9	168.5	169.8					
G43.0	165.3	159.6	157.3	164.1	165.3					
G44.0	161.1	155.5	153.1	159.6	161.1					
G45.0	156.7	151.2	148.5	155.2	156.7					
G46.0	152.1	146.7	144.3	150.9	152.1					
G47.0	147.9	142.5	140.1	146.6	147.9					
G48.0	143.5	137.9	135.7	142.1	143.5					
G49.0	139.2	133.8	131.4	138.1	139.2					
G50.0	135.1	129.6	127.1	133.8	135.1					
G51.0	130.5	125.0	122.9	129.4	130.5					
G52.0	126.2	120.9	118.7	125.1	126.2					
G53.0	122.2	116.9	114.1	120.5	122.2					
G54.0	117.9	112.4	109.9	116.4	117.9					
G55.0	113.6	108.3	106.0	112.4	113.6					
G56.0	109.2	103.9	101.5	107.9	109.2					
G57.0	105.2	100.1	97.7	103.9	105.2					
G58.0	101.3	95.9	93.4	99.6	101.3					
G59.0	96.8	91.9	89.5	95.6	96.8					
G60.0	93.0	87.9	85.7	91.8	93.0					
G61.0	89.1	84.1	81.5	87.3	89.1					
G62.0	85.0	80.0	77.7	83.6	85.0					
G63.0	81.1	76.2	73.9	79.8	81.1					
G64.0	77.0	72.0	69.8	75.7	77.0					
G65.0	73.3	68.4	66.1	71.8	73.3					
G66.0	69.4	64.7	62.0	67.8	69.4					
G67.0	65.5	60.7	58.5	63.9	65.5					
G68.0	61.7	57.0	54.8	60.5	61.7					
G69.0	58.2	53.4	51.1	56.3	58.2					
G70.0	54.3	49.7	47.5	52.8	54.3					
G71.0	50.8	46.1	44.0	49.3	50.8					
G72.0	46.9	42.3	40.3	45.4	46.9					
G73.0	43.5	38.9	36.9	42.0	43.5					

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: 7.100 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	40.0	35.7	33.4	38.3	40.0					
G75.0	36.3	32.1	30.1	35.0	36.3					
G76.0	33.0	28.8	26.9	31.6	33.0					
G77.0	29.7	25.6	23.4	27.9	29.7					
G78.0	26.5	22.7	20.2	24.8	26.5					
G79.0	23.4	19.7	17.4	21.7	23.4					
G80.0	20.3	16.7	14.4	18.4	20.3					
G81.0	17.4	14.1	11.8	15.8	17.4					
G82.0	14.8	11.8	9.2	12.9	14.8					
G83.0	12.1	9.2	7.1	10.5	12.1					
G84.0	9.7	7.1	5.1	8.1	9.7					
G85.0	7.3	4.9	3.3	6.0	7.3					
G86.0	5.4	3.0	2.1	4.1	5.4					
G87.0	3.7	1.6	1.1	2.5	3.7					
G88.0	2.2	0.5	0.2	1.2	2.2					
G89.0	1.3	0.2	0.1	0.2	1.3					
G90.0	0.4	0.2	0.1	0.1	0.4					
G91.0	0.1	0.2	0.1	0.2	0.1					
G92.0	0.1	0.3	0.1	0.2	0.1					
G93.0	0.2	0.3	0.1	0.2	0.2					
G94.0	0.1	0.3	0.1	0.2	0.1					
G95.0	0.2	0.3	0.1	0.3	0.2					
G96.0	0.2	0.3	0.2	0.3	0.2					
G97.0	0.2	0.4	0.2	0.4	0.2					
G98.0	0.3	0.4	0.2	0.3	0.3					
G99.0	0.2	0.4	0.2	0.3	0.2					
G100.0	0.2	0.4	0.2	0.3	0.2					
G101.0	0.3	0.4	0.3	0.4	0.3					
G102.0	0.3	0.5	0.2	0.4	0.3					
G103.0	0.3	0.5	0.2	0.4	0.3					
G104.0	0.3	0.5	0.3	0.4	0.3					
G105.0	0.3	0.5	0.3	0.4	0.3					
G106.0	0.4	0.5	0.4	0.5	0.4					
G107.0	0.5	0.6	0.3	0.5	0.5					
G108.0	0.4	0.5	0.4	0.5	0.4					
G109.0	0.4	0.6	0.4	0.5	0.4					
G110.0	0.5	0.6	0.4	0.6	0.5					

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: 7.100 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	0.5	0.7	0.5	0.5	0.5					
G112.0	0.5	0.7	0.5	0.6	0.5					
G113.0	0.5	0.7	0.6	0.6	0.5					
G114.0	0.6	0.7	0.6	0.7	0.6					
G115.0	0.6	0.8	0.4	0.7	0.6					
G116.0	0.6	0.8	0.6	0.7	0.6					
G117.0	0.7	0.8	0.7	0.7	0.7					
G118.0	0.7	0.8	0.7	0.7	0.7					
G119.0	0.7	0.9	0.8	0.7	0.7					
G120.0	0.8	0.9	0.7	0.8	0.8					
G121.0	0.8	1.0	0.7	0.8	0.8					
G122.0	0.8	0.9	0.8	0.8	0.8					
G123.0	0.9	1.0	0.8	0.9	0.9					
G124.0	0.9	1.0	0.8	0.9	0.9					
G125.0	0.9	1.1	0.9	0.9	0.9					
G126.0	0.9	1.1	0.9	1.0	0.9					
G127.0	1.0	1.1	1.0	1.0	1.0					
G128.0	0.8	1.2	1.0	1.0	0.8					
G129.0	1.0	1.2	1.0	1.1	1.0					
G130.0	1.0	1.2	1.0	1.1	1.0					
G131.0	1.1	1.2	1.0	1.1	1.1					
G132.0	1.1	1.2	1.1	1.1	1.1					
G133.0	1.1	1.3	1.1	1.1	1.1					
G134.0	1.2	1.3	1.1	1.2	1.2					
G135.0	1.2	1.4	1.1	1.3	1.2					
G136.0	1.2	1.4	1.2	1.2	1.2					
G137.0	1.3	1.4	1.2	1.3	1.3					
G138.0	1.3	1.5	1.3	1.3	1.3					
G139.0	1.4	1.5	1.3	1.3	1.4					
G140.0	1.3	1.5	1.3	1.4	1.3					
G141.0	1.4	1.6	1.2	1.3	1.4					
G142.0	1.4	1.4	1.3	1.4	1.4					
G143.0	1.4	1.6	1.4	1.4	1.4					
G144.0	1.5	1.7	1.4	1.4	1.5					
G145.0	1.5	1.7	1.4	1.5	1.5					
G146.0	1.5	1.7	1.4	1.5	1.5					
G147.0	1.5	1.7	1.5	1.6	1.5					

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: 7.100 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	1.5	1.7	1.5	1.6	1.5					
G149.0	1.6	1.8	1.5	1.6	1.6					
G150.0	1.6	1.8	1.6	1.7	1.6					
G151.0	1.7	1.8	1.6	1.6	1.7					
G152.0	1.6	1.8	1.7	1.7	1.6					
G153.0	1.7	1.8	1.6	1.7	1.7					
G154.0	1.7	1.9	1.7	1.8	1.7					
G155.0	1.7	1.9	1.7	1.8	1.7					
G156.0	1.8	1.9	1.7	1.8	1.8					
G157.0	1.8	1.9	1.8	1.8	1.8					
G158.0	1.8	1.9	1.8	1.9	1.8					
G159.0	1.8	2.0	1.8	1.9	1.8					
G160.0	1.8	2.0	1.9	1.9	1.8					
G161.0	1.9	2.0	1.9	1.9	1.9					
G162.0	1.9	2.0	1.9	1.9	1.9					
G163.0	1.9	2.0	1.9	1.9	1.9					
G164.0	1.9	2.0	1.9	2.0	1.9					
G165.0	2.0	2.1	2.0	2.0	2.0					
G166.0	1.9	2.1	2.0	2.0	1.9					
G167.0	2.0	2.1	2.0	2.0	2.0					
G168.0	1.9	2.1	2.0	2.1	1.9					
G169.0	2.0	2.2	2.0	2.0	2.0					
G170.0	2.0	2.1	2.0	2.2	2.0					
G171.0	2.0	2.1	2.0	2.1	2.0					
G172.0	1.9	2.1	2.0	2.1	1.9					
G173.0	2.0	2.2	2.0	2.1	2.0					
G174.0	2.0	2.2	2.1	2.2	2.0					
G175.0	2.0	2.2	2.1	2.2	2.0					
G176.0	2.0	2.2	2.1	2.1	2.0					
G177.0	2.0	2.2	2.1	2.2	2.0					
G178.0	2.0	2.1	2.1	2.2	2.0					
G179.0	2.1	2.2	2.1	2.2	2.1					
G180.0	2.1	2.2	2.1	2.1	2.1					

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

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	56449.42
L 0-180(75) av	43859.65
L 0-180(85) av	20866.90
L 90-270(65) av	56753.05
L 90-270(75) av	44302.54
L 90-270(85) av	21279.13
L 45(65) av	56601.23
L 45(75) av	44081.09
L 45(85) av	21073.01

Standard: GB/T 29293-2012