

Report No.:

Test Time: 2025-11-19 14:10

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: 87669-5000K

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -61

Voltage: 120.2 V

Power: 9.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 766.2 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H95.3

Vertical Diffuse Angle(50%): V95.3

Luminaire Efficacy Rating (LER): 85.19

Max. Intensity: 326 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 766.2 lm

Efficiency: 100%

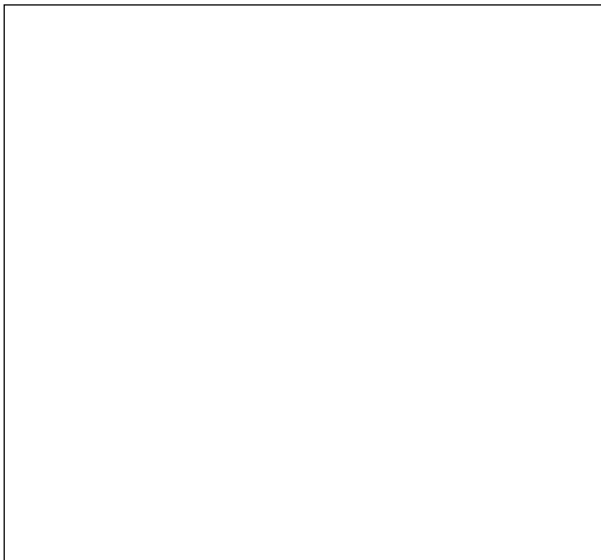
Upward Ratio: 1%

C0r0 Intensity: 326 cd

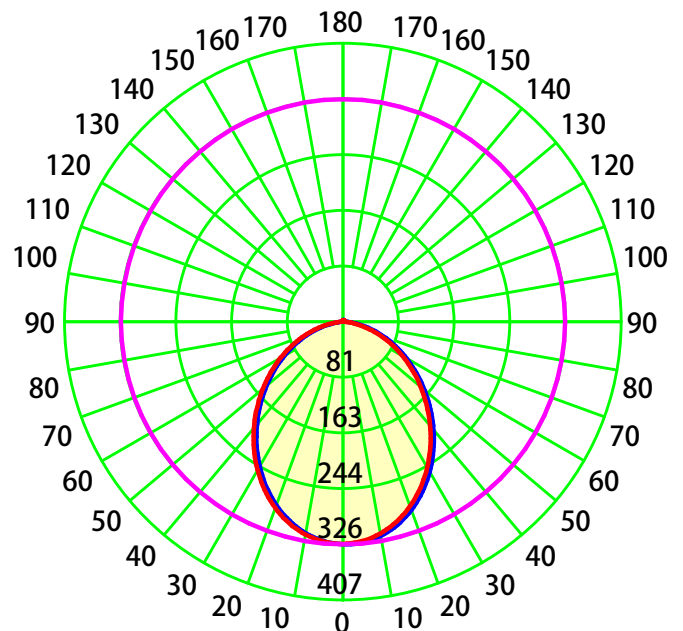
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.15

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 95.3°

— C0-C180 — C90-C270 — 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

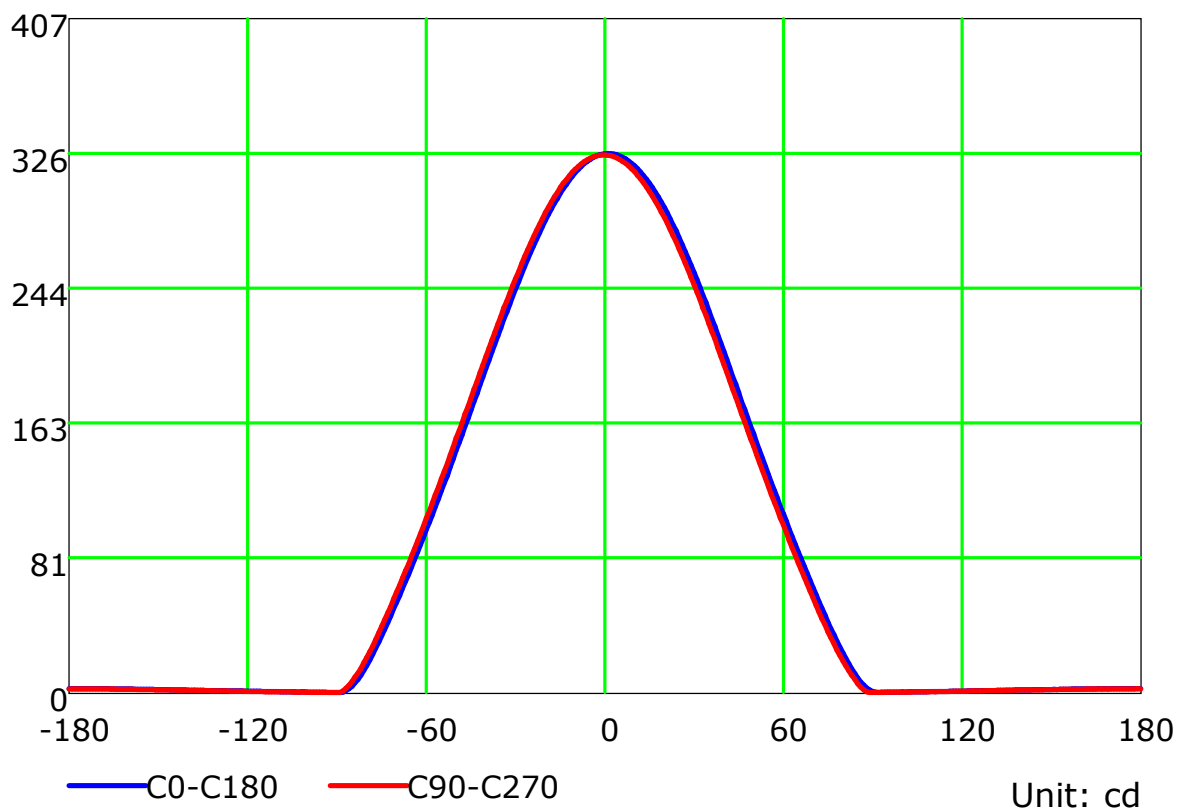
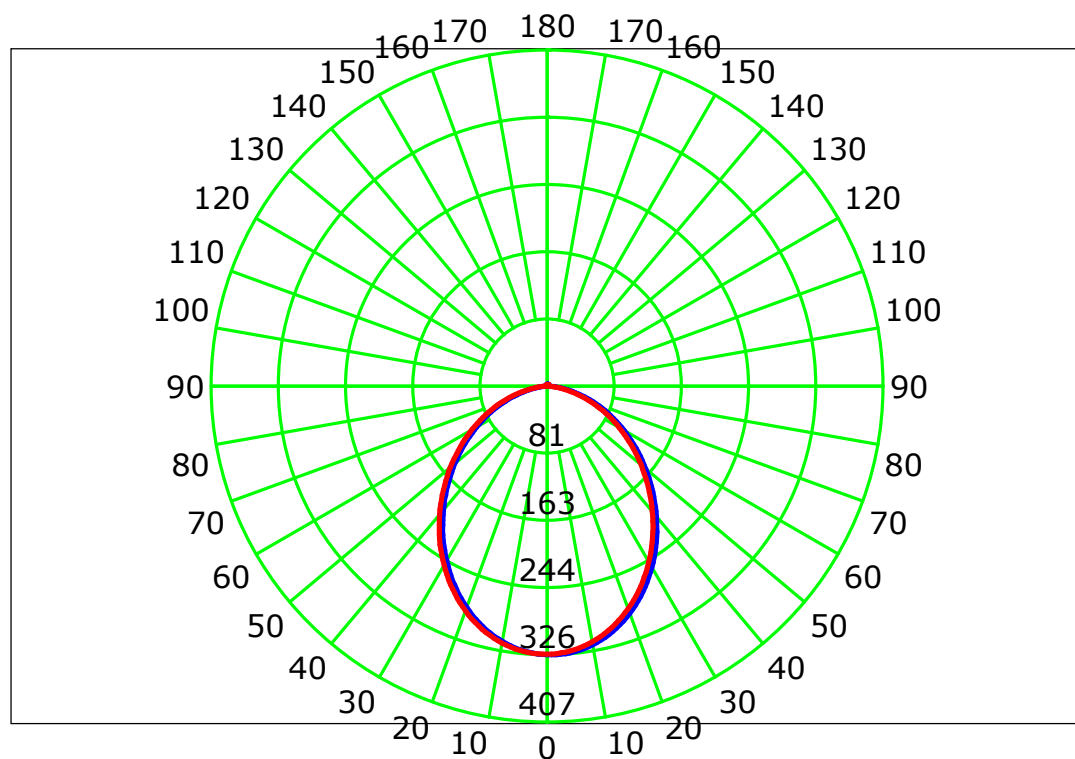
Test Device: GPM-1600L

Distance: 7.100 m [K=1.0000]

Humidity:

Inspector:

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:
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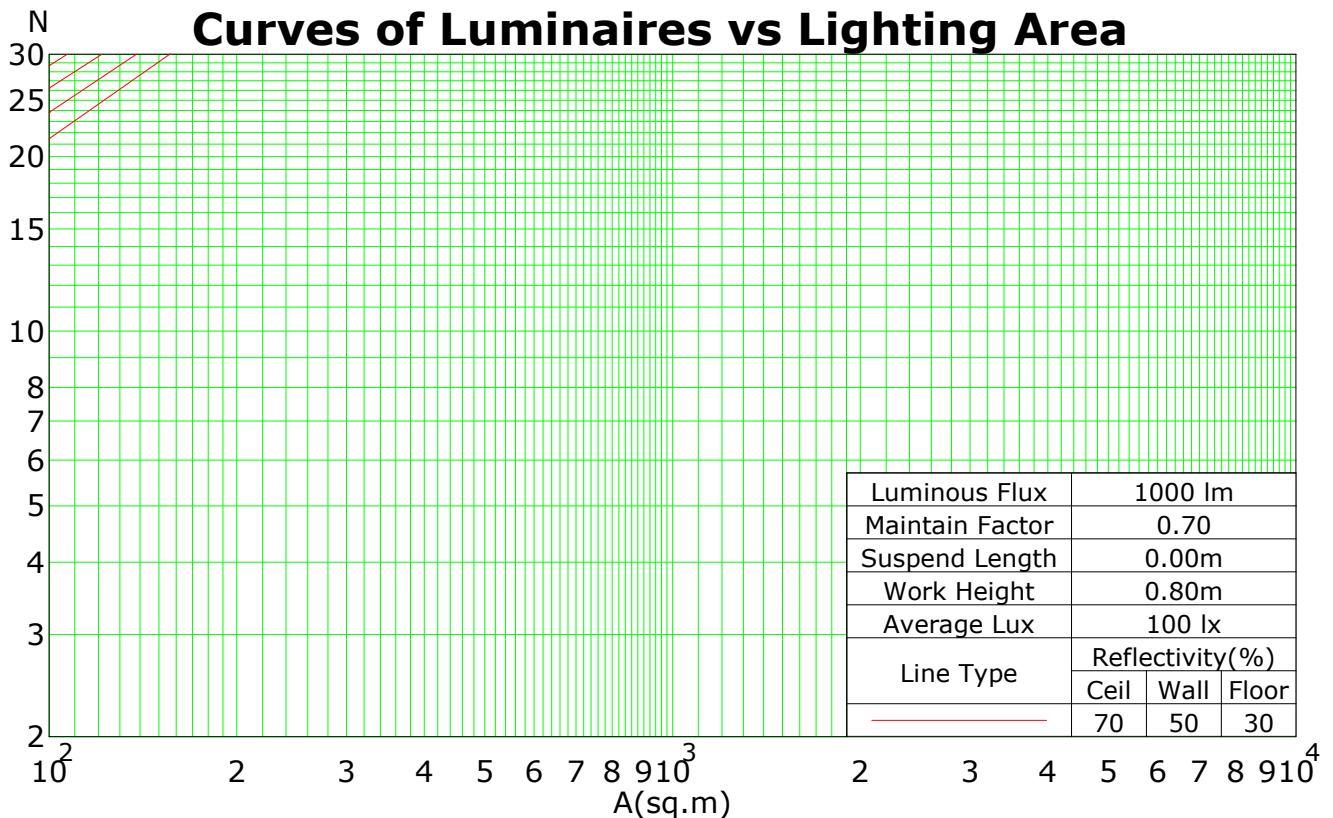
Coefficients Of Utilization - Zonal Cavity Method

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	0.64	0.58	0.82	0.71	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	0.39	0.65	0.53	0.45	0.39	0.51	0.44	0.39	0.50	0.43	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	0.39	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	0.42	0.36	0.32	0.41	0.36	0.31	0.30
10	0.55	0.42	0.34	0.29	0.54	0.41	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

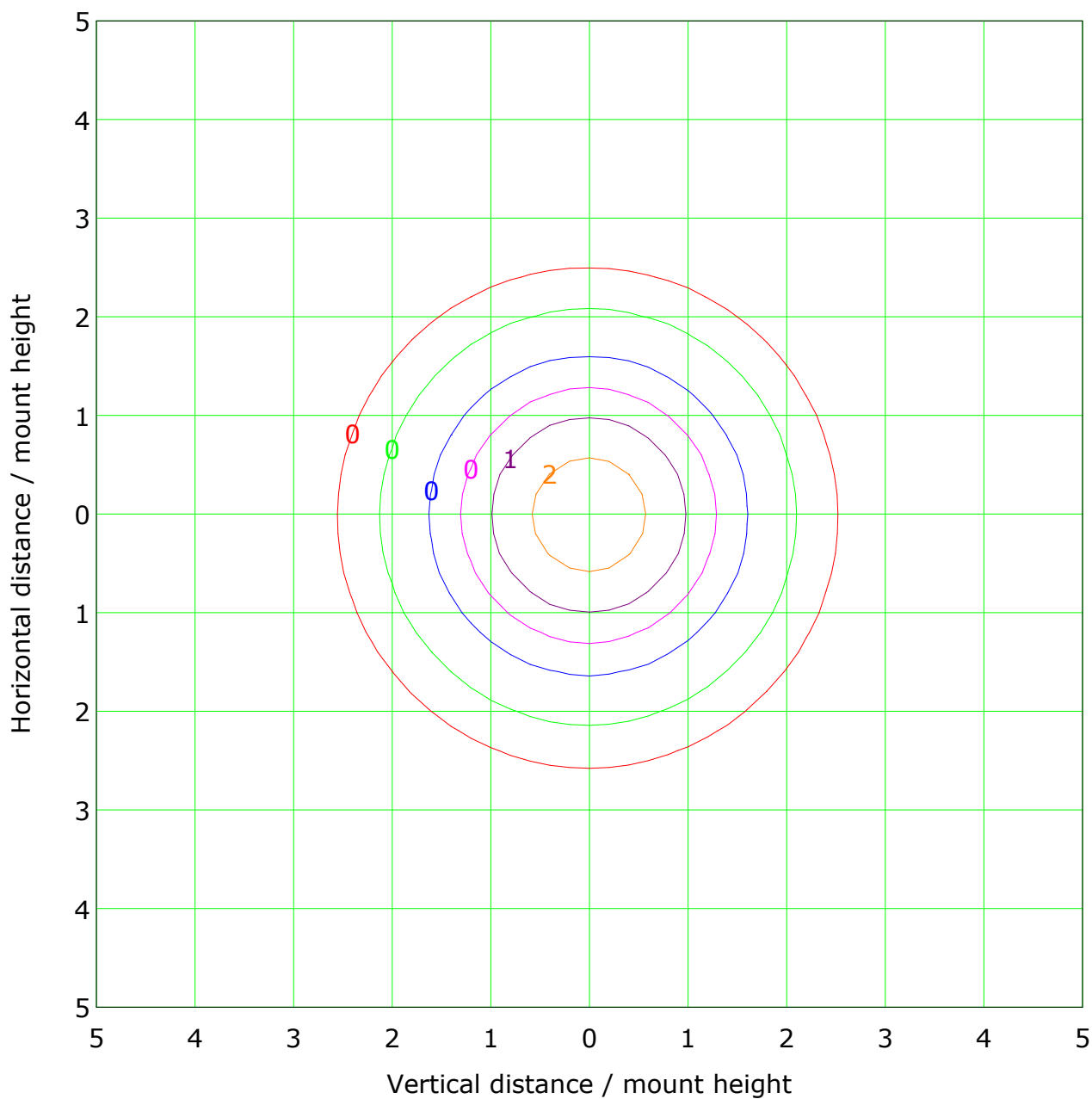
Test Device: GPM-1600L

Distance: 7.100 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.3 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.3 lx
(20%): 0.7 lx	(50%): 1.6 lx
(100%): 3.3 lx	

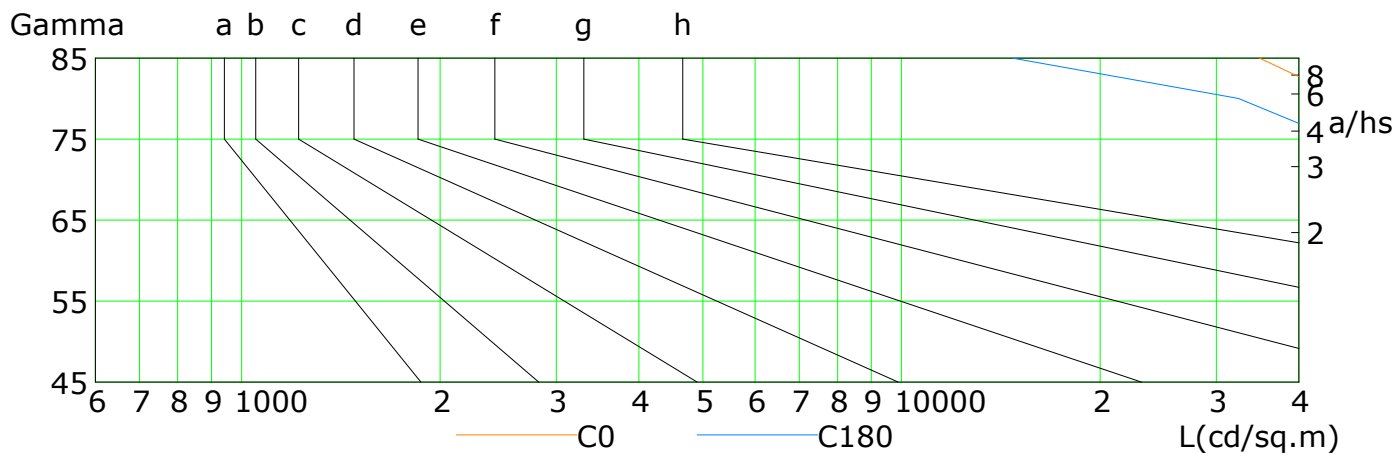
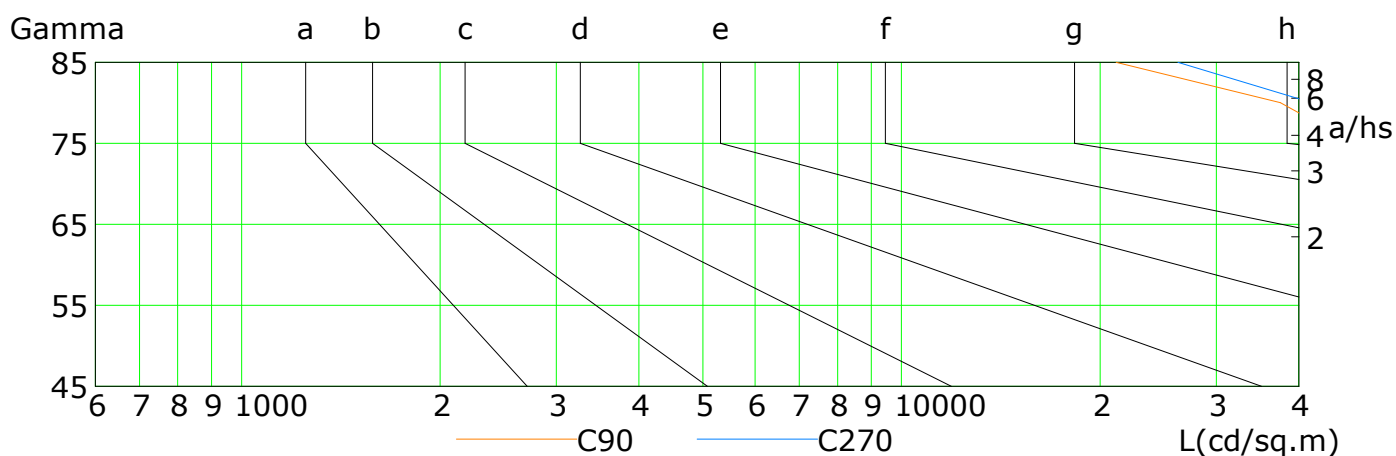
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

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

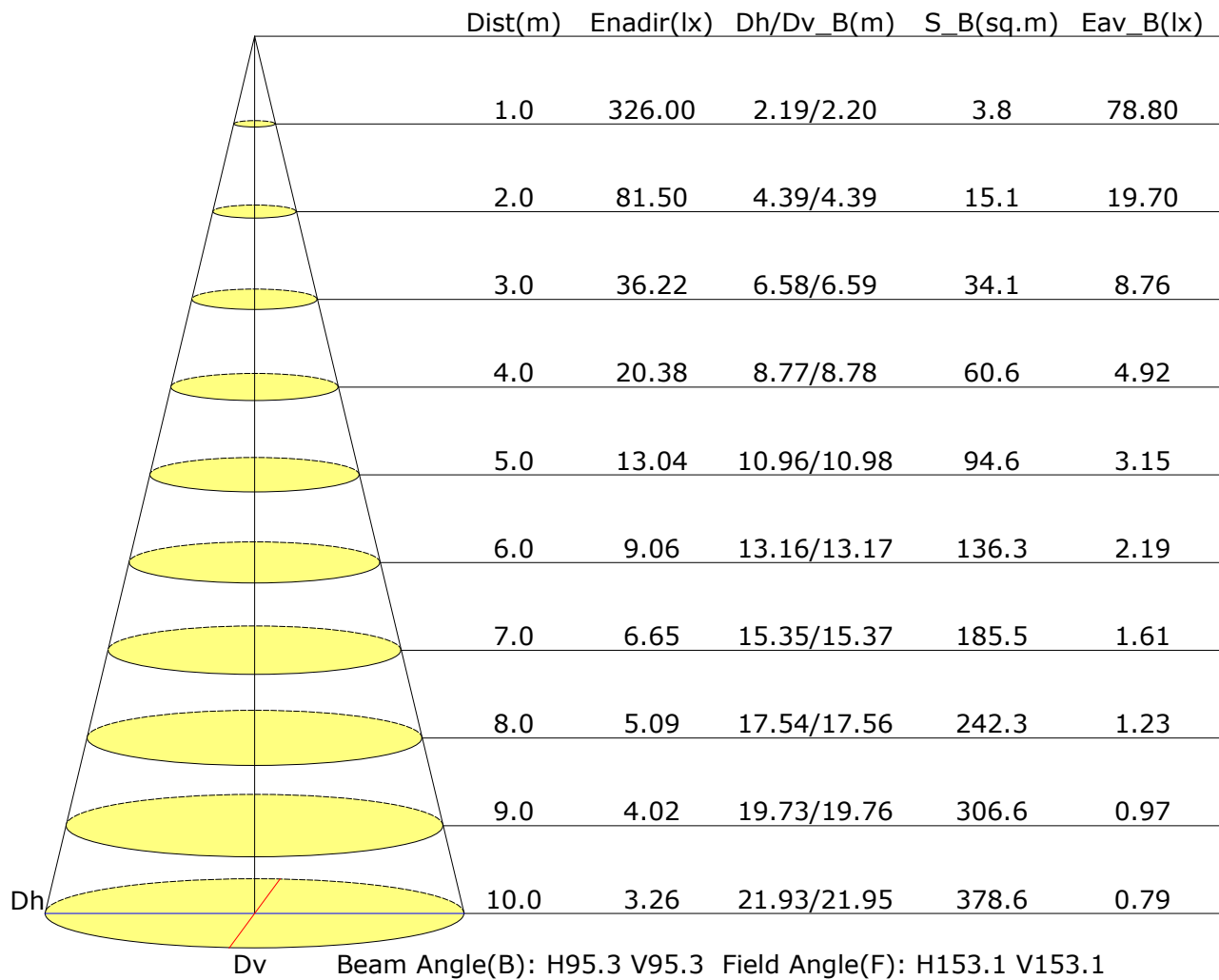


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	87815	83299	78645	73979	68918	63209	56241	47174	34902
C90	84109	79312	74356	69291	63566	57106	48546	37519	21161
C180	82763	77960	72811	67539	61575	54495	45770	32415	14723
C270	86218	81878	77106	72186	66870	60778	53094	41854	26226

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:

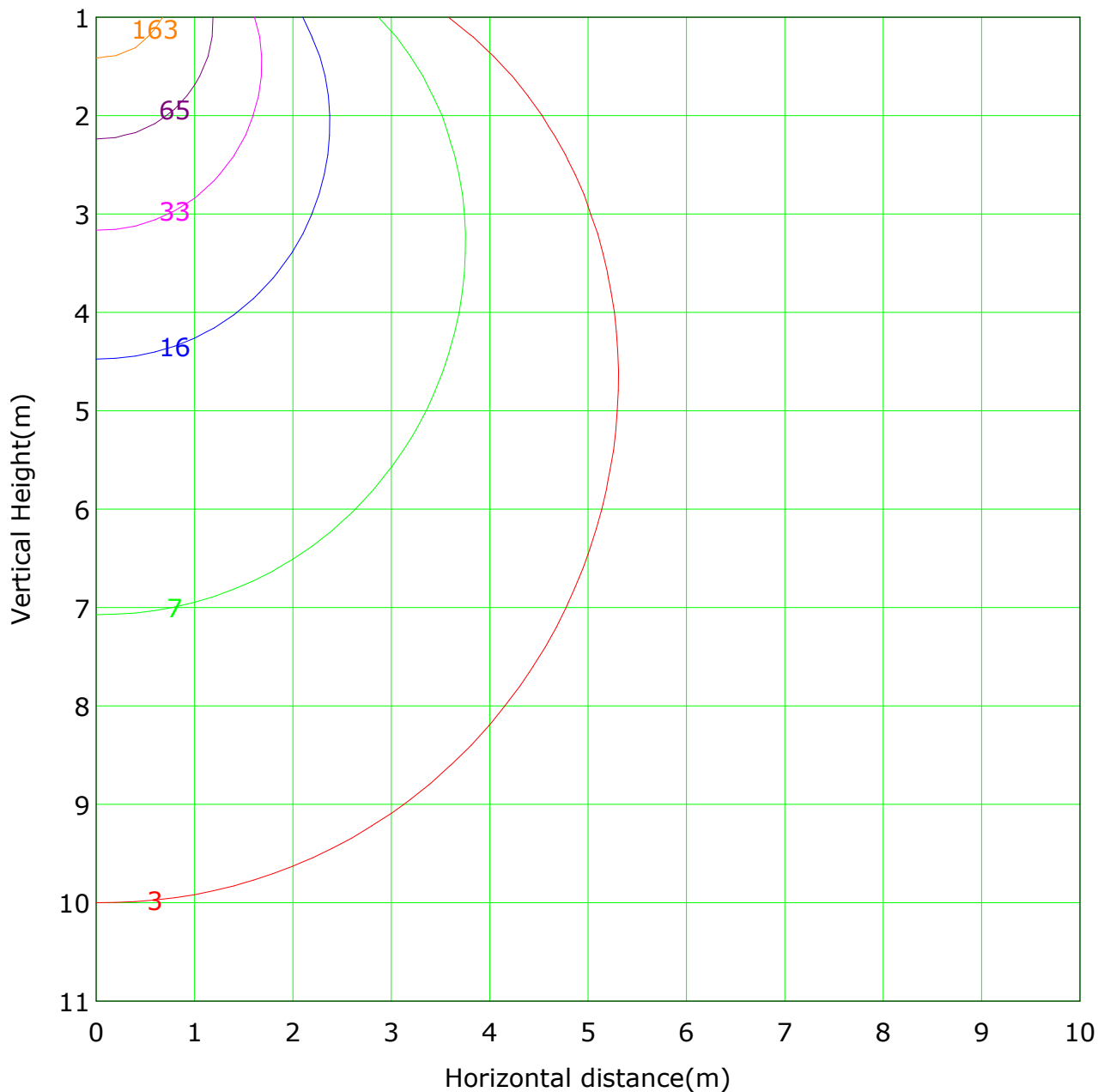
Illuminance at a Distance



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

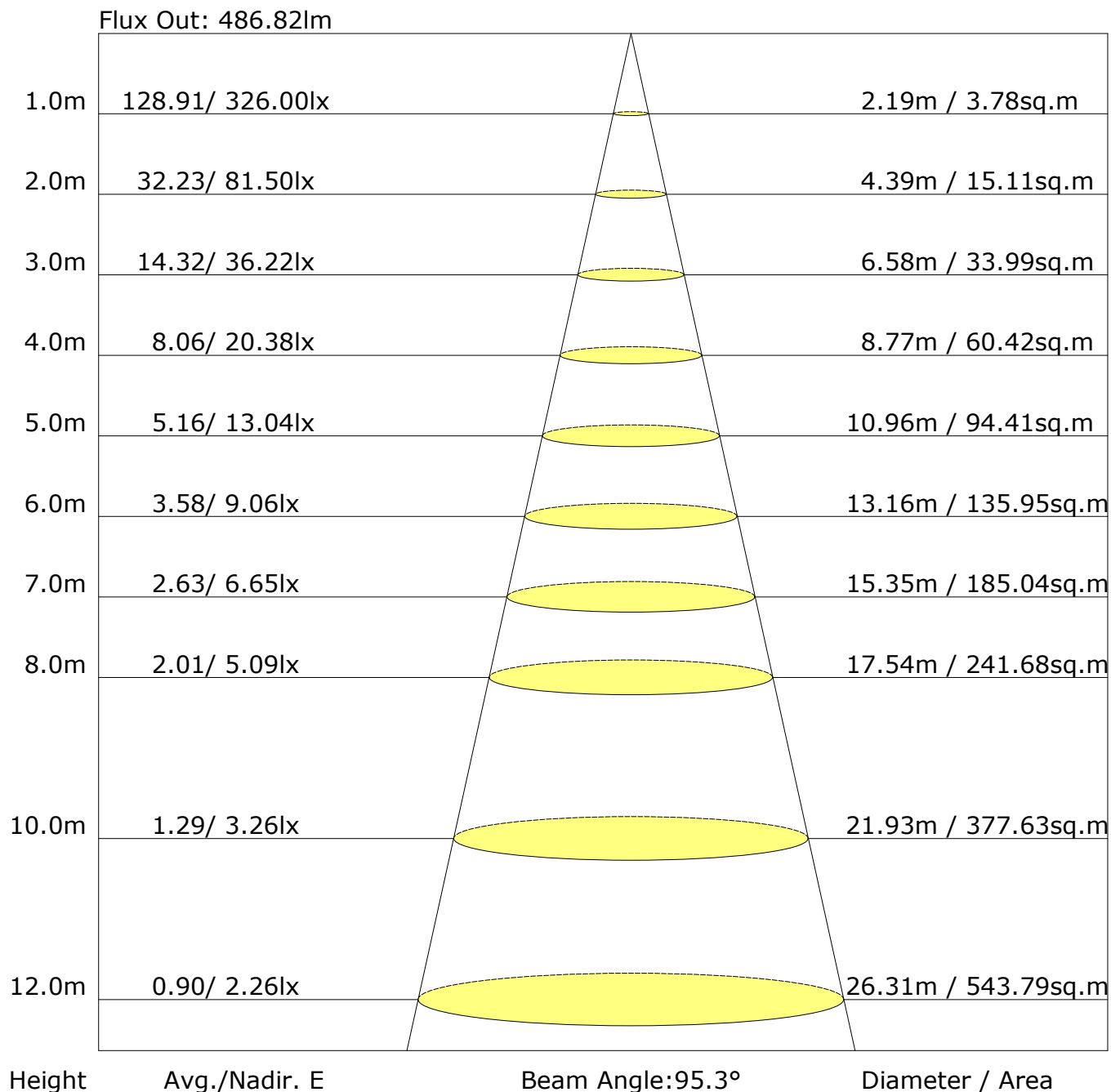


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 326.0 lx
— (1%): 3.3 lx — (2%): 6.5 lx
— (5%): 16.3 lx — (10%): 32.6 lx
— (20%): 65.2 lx — (50%): 163.0 lx
— (100%): 326.0 lx

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:

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	27.6	28.9	27.9	29.1	29.4	27.4	28.7	27.7	29.0	29.2
3H	28.9	30.1	29.3	30.4	30.7	28.7	29.9	29.0	30.2	30.5
4H	29.4	30.6	29.8	30.9	31.2	29.2	30.3	29.5	30.6	30.9
6H	29.8	30.8	30.2	31.1	31.5	29.4	30.5	29.8	30.8	31.1
8H	29.9	30.9	30.3	31.2	31.6	29.5	30.5	29.9	30.8	31.2
12H	29.9	30.9	30.3	31.2	31.6	29.5	30.5	29.9	30.8	31.2
X=4H Y=2H	28.2	29.3	28.5	29.6	29.9	28.0	29.2	28.4	29.5	29.8
3H	29.7	30.6	30.1	31.0	31.3	29.5	30.5	29.9	30.8	31.2
4H	30.3	31.2	30.7	31.5	31.9	30.1	30.9	30.5	31.3	31.7
6H	30.8	31.5	31.2	31.9	32.3	30.4	31.2	30.9	31.6	32.0
8H	30.9	31.6	31.3	32.0	32.4	30.5	31.2	31.0	31.7	32.1
12H	31.0	31.6	31.4	32.0	32.5	30.6	31.2	31.1	31.6	32.1
X=8H Y=4H	30.5	31.2	31.0	31.6	32.1	30.3	31.0	30.8	31.4	31.9
6H	31.1	31.6	31.6	32.1	32.6	30.8	31.4	31.3	31.8	32.3
8H	31.3	31.8	31.8	32.2	32.7	31.0	31.4	31.4	31.9	32.4
12H	31.4	31.8	31.9	32.3	32.8	31.0	31.5	31.5	31.9	32.5
X=12H Y=4H	30.5	31.2	31.0	31.6	32.1	30.3	30.9	30.8	31.4	31.8
6H	31.1	31.6	31.6	32.1	32.6	30.8	31.3	31.3	31.8	32.3
8H	31.3	31.8	31.8	32.3	32.8	31.0	31.4	31.5	31.9	32.4
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 766lm ($8\log(F/F_0) = -0.9$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	387	50.4
	FL (0°-30°)	121	15.8
	FM (30°-60°)	198	25.8
	FH (60°-80°)	63	8.2
	FVH (80°-90°)	5	0.6
	BACK LIGHT	374	48.7
	BL (0°-30°)	120	15.6
	BM (30°-60°)	192	25.1
	BH (60°-80°)	58	7.6
	BVH (80°-90°)	3	0.5
	UP LIGHT	6	0.8
	UL (90°-100°)	0	0.0
	UH (100°-180°)	6	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: 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	325.5	0.3	0.3	0.04	0.04
1.0-2.0	325.3	0.9	1.2	0.12	0.16
2.0-3.0	325.0	1.6	2.8	0.20	0.37
3.0-4.0	324.4	2.2	5.0	0.28	0.65
4.0-5.0	323.6	2.8	7.8	0.36	1.01
5.0-6.0	322.6	3.4	11.1	0.44	1.45
6.0-7.0	321.5	4.0	15.1	0.52	1.98
7.0-8.0	320.2	4.6	19.7	0.60	2.57
8.0-9.0	318.7	5.2	24.9	0.67	3.25
9.0-10.0	317.0	5.7	30.6	0.75	4.00
10.0-11.0	315.1	6.3	36.9	0.82	4.82
11.0-12.0	313.1	6.8	43.8	0.89	5.71
12.0-13.0	310.9	7.4	51.1	0.96	6.67
13.0-14.0	308.5	7.9	59.0	1.03	7.71
14.0-15.0	306.0	8.4	67.4	1.10	8.80
15.0-16.0	303.2	8.9	76.3	1.16	9.96
16.0-17.0	300.3	9.4	85.7	1.22	11.18
17.0-18.0	297.3	9.8	95.5	1.28	12.46
18.0-19.0	294.1	10.2	105.7	1.34	13.80
19.0-20.0	290.8	10.6	116.4	1.39	15.19
20.0-21.0	287.4	11.0	127.4	1.44	16.63
21.0-22.0	283.8	11.4	138.8	1.49	18.12
22.0-23.0	280.1	11.8	150.6	1.53	19.65
23.0-24.0	276.3	12.1	162.6	1.58	21.23
24.0-25.0	272.3	12.4	175.0	1.62	22.84
25.0-26.0	268.3	12.7	187.7	1.65	24.50
26.0-27.0	264.1	12.9	200.6	1.69	26.18
27.0-28.0	259.8	13.2	213.8	1.72	27.90
28.0-29.0	255.5	13.4	227.1	1.74	29.65
29.0-30.0	251.0	13.6	240.7	1.77	31.41
30.0-31.0	246.6	13.7	254.4	1.79	33.21
31.0-32.0	242.1	13.9	268.3	1.81	35.02
32.0-33.0	237.5	14.0	282.3	1.83	36.84
33.0-34.0	232.8	14.1	296.4	1.84	38.68
34.0-35.0	228.0	14.2	310.5	1.85	40.53
35.0-36.0	223.2	14.2	324.8	1.85	42.38

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	218.3	14.2	339.0	1.86	44.24
37.0-38.0	213.4	14.2	353.2	1.86	46.10
38.0-39.0	208.5	14.2	367.5	1.86	47.96
39.0-40.0	203.5	14.2	381.7	1.85	49.81
40.0-41.0	198.5	14.1	395.8	1.84	51.66
41.0-42.0	193.6	14.1	409.9	1.84	53.49
42.0-43.0	188.6	14.0	423.8	1.82	55.32
43.0-44.0	183.5	13.9	437.7	1.81	57.12
44.0-45.0	178.6	13.7	451.4	1.79	58.92
45.0-46.0	173.5	13.6	465.0	1.77	60.69
46.0-47.0	168.6	13.4	478.4	1.75	62.44
47.0-48.0	163.6	13.2	491.6	1.73	64.16
48.0-49.0	158.6	13.0	504.7	1.70	65.86
49.0-50.0	153.8	12.8	517.5	1.67	67.54
50.0-51.0	148.8	12.6	530.1	1.64	69.18
51.0-52.0	143.8	12.3	542.4	1.61	70.79
52.0-53.0	138.9	12.1	554.5	1.58	72.37
53.0-54.0	134.0	11.8	566.3	1.54	73.91
54.0-55.0	129.2	11.5	577.9	1.51	75.42
55.0-56.0	124.5	11.2	589.1	1.47	76.88
56.0-57.0	119.6	10.9	600.0	1.43	78.31
57.0-58.0	114.9	10.6	610.7	1.39	79.70
58.0-59.0	110.2	10.3	621.0	1.34	81.04
59.0-60.0	105.6	10.0	630.9	1.30	82.34
60.0-61.0	101.0	9.6	640.6	1.26	83.60
61.0-62.0	96.4	9.3	649.9	1.21	84.82
62.0-63.0	91.8	8.9	658.8	1.17	85.98
63.0-64.0	87.3	8.6	667.4	1.12	87.10
64.0-65.0	82.8	8.2	675.6	1.07	88.17
65.0-66.0	78.4	7.8	683.4	1.02	89.19
66.0-67.0	74.0	7.4	690.8	0.97	90.16
67.0-68.0	69.7	7.1	697.9	0.92	91.08
68.0-69.0	65.4	6.7	704.6	0.87	91.95
69.0-70.0	61.1	6.3	710.8	0.82	92.77
70.0-71.0	56.9	5.9	716.7	0.77	93.54
71.0-72.0	52.6	5.5	722.2	0.71	94.25

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:

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	48.5	5.1	727.3	0.66	94.92
73.0-74.0	44.6	4.7	731.9	0.61	95.53
74.0-75.0	40.5	4.3	736.2	0.56	96.09
75.0-76.0	36.6	3.9	740.1	0.51	96.59
76.0-77.0	32.8	3.5	743.6	0.46	97.05
77.0-78.0	28.9	3.1	746.7	0.40	97.45
78.0-79.0	25.4	2.7	749.4	0.36	97.81
79.0-80.0	21.9	2.4	751.8	0.31	98.12
80.0-81.0	18.6	2.0	753.8	0.26	98.38
81.0-82.0	15.5	1.7	755.5	0.22	98.60
82.0-83.0	12.6	1.4	756.9	0.18	98.78
83.0-84.0	9.9	1.1	757.9	0.14	98.92
84.0-85.0	7.4	0.8	758.8	0.11	99.03
85.0-86.0	5.2	0.6	759.3	0.07	99.10
86.0-87.0	3.4	0.4	759.7	0.05	99.15
87.0-88.0	1.9	0.2	759.9	0.03	99.18
88.0-89.0	0.8	0.1	760.0	0.01	99.19
89.0-90.0	0.4	0.0	760.0	0.01	99.19
90.0-91.0	0.2	0.0	760.1	0.00	99.20
91.0-92.0	0.1	0.0	760.1	0.00	99.20
92.0-93.0	0.1	0.0	760.1	0.00	99.20
93.0-94.0	0.2	0.0	760.1	0.00	99.20
94.0-95.0	0.2	0.0	760.1	0.00	99.20
95.0-96.0	0.2	0.0	760.1	0.00	99.21
96.0-97.0	0.2	0.0	760.2	0.00	99.21
97.0-98.0	0.3	0.0	760.2	0.00	99.21
98.0-99.0	0.3	0.0	760.2	0.00	99.22
99.0-100.0	0.3	0.0	760.3	0.00	99.22
100.0-101.0	0.3	0.0	760.3	0.00	99.23
101.0-102.0	0.3	0.0	760.3	0.00	99.23
102.0-103.0	0.4	0.0	760.4	0.01	99.24
103.0-104.0	0.4	0.0	760.4	0.01	99.24
104.0-105.0	0.4	0.0	760.5	0.01	99.25
105.0-106.0	0.5	0.0	760.5	0.01	99.25
106.0-107.0	0.5	0.1	760.6	0.01	99.26
107.0-108.0	0.5	0.1	760.6	0.01	99.27

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	760.7	0.01	99.27
109.0-110.0	0.6	0.1	760.7	0.01	99.28
110.0-111.0	0.6	0.1	760.8	0.01	99.29
111.0-112.0	0.6	0.1	760.8	0.01	99.30
112.0-113.0	0.6	0.1	760.9	0.01	99.30
113.0-114.0	0.7	0.1	761.0	0.01	99.31
114.0-115.0	0.7	0.1	761.0	0.01	99.32
115.0-116.0	0.7	0.1	761.1	0.01	99.33
116.0-117.0	0.8	0.1	761.2	0.01	99.34
117.0-118.0	0.8	0.1	761.3	0.01	99.35
118.0-119.0	0.8	0.1	761.3	0.01	99.36
119.0-120.0	0.9	0.1	761.4	0.01	99.37
120.0-121.0	0.9	0.1	761.5	0.01	99.38
121.0-122.0	0.9	0.1	761.6	0.01	99.40
122.0-123.0	1.0	0.1	761.7	0.01	99.41
123.0-124.0	1.0	0.1	761.8	0.01	99.42
124.0-125.0	1.0	0.1	761.9	0.01	99.43
125.0-126.0	1.1	0.1	762.0	0.01	99.44
126.0-127.0	1.1	0.1	762.1	0.01	99.46
127.0-128.0	1.1	0.1	762.1	0.01	99.47
128.0-129.0	1.2	0.1	762.2	0.01	99.48
129.0-130.0	1.2	0.1	762.3	0.01	99.49
130.0-131.0	1.2	0.1	762.5	0.01	99.51
131.0-132.0	1.3	0.1	762.6	0.01	99.52
132.0-133.0	1.3	0.1	762.7	0.01	99.54
133.0-134.0	1.3	0.1	762.8	0.01	99.55
134.0-135.0	1.4	0.1	762.9	0.01	99.56
135.0-136.0	1.4	0.1	763.0	0.01	99.58
136.0-137.0	1.4	0.1	763.1	0.01	99.59
137.0-138.0	1.5	0.1	763.2	0.01	99.60
138.0-139.0	1.5	0.1	763.3	0.01	99.62
139.0-140.0	1.5	0.1	763.4	0.01	99.63
140.0-141.0	1.6	0.1	763.5	0.01	99.65
141.0-142.0	1.6	0.1	763.6	0.01	99.66
142.0-143.0	1.6	0.1	763.7	0.01	99.67
143.0-144.0	1.6	0.1	763.8	0.01	99.69

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	1.7	0.1	763.9	0.01	99.70
145.0-146.0	1.7	0.1	764.0	0.01	99.72
146.0-147.0	1.7	0.1	764.2	0.01	99.73
147.0-148.0	1.8	0.1	764.3	0.01	99.74
148.0-149.0	1.8	0.1	764.4	0.01	99.76
149.0-150.0	1.8	0.1	764.5	0.01	99.77
150.0-151.0	1.9	0.1	764.6	0.01	99.78
151.0-152.0	1.9	0.1	764.7	0.01	99.80
152.0-153.0	1.9	0.1	764.8	0.01	99.81
153.0-154.0	1.9	0.1	764.8	0.01	99.82
154.0-155.0	2.0	0.1	764.9	0.01	99.83
155.0-156.0	2.0	0.1	765.0	0.01	99.84
156.0-157.0	2.0	0.1	765.1	0.01	99.86
157.0-158.0	2.0	0.1	765.2	0.01	99.87
158.0-159.0	2.1	0.1	765.3	0.01	99.88
159.0-160.0	2.1	0.1	765.4	0.01	99.89
160.0-161.0	2.1	0.1	765.4	0.01	99.90
161.0-162.0	2.1	0.1	765.5	0.01	99.91
162.0-163.0	2.2	0.1	765.6	0.01	99.92
163.0-164.0	2.2	0.1	765.7	0.01	99.93
164.0-165.0	2.2	0.1	765.7	0.01	99.94
165.0-166.0	2.2	0.1	765.8	0.01	99.94
166.0-167.0	2.3	0.1	765.8	0.01	99.95
167.0-168.0	2.3	0.1	765.9	0.01	99.96
168.0-169.0	2.3	0.1	766.0	0.01	99.96
169.0-170.0	2.3	0.0	766.0	0.01	99.97
170.0-171.0	2.3	0.0	766.0	0.01	99.98
171.0-172.0	2.3	0.0	766.1	0.00	99.98
172.0-173.0	2.3	0.0	766.1	0.00	99.99
173.0-174.0	2.3	0.0	766.1	0.00	99.99
174.0-175.0	2.3	0.0	766.2	0.00	99.99
175.0-176.0	2.4	0.0	766.2	0.00	100.00
176.0-177.0	2.4	0.0	766.2	0.00	100.00
177.0-178.0	2.4	0.0	766.2	0.00	100.00
178.0-179.0	2.4	0.0	766.2	0.00	100.00
179.0-180.0	2.4	0.0	766.2	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°): 451.43 lm

%lum = 58.9%
%lamp = 58.9%

cone flux(120°): 630.94 lm

%lum = 82.3%
%lamp = 82.3%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	326.0	325.1	326.0	325.1	326.0					
G1.0	326.0	325.0	325.6	325.2	326.0					
G2.0	326.0	324.8	325.1	325.0	326.0					
G3.0	325.6	324.1	324.5	324.6	325.6					
G4.0	325.3	323.4	323.6	324.0	325.3					
G5.0	324.6	322.4	322.5	323.3	324.6					
G6.0	323.7	321.3	321.2	322.1	323.7					
G7.0	322.7	320.0	319.9	321.1	322.7					
G8.0	321.5	318.5	318.1	319.7	321.5					
G9.0	320.1	316.8	316.4	318.2	320.1					
G10.0	318.6	315.0	314.4	316.5	318.6					
G11.0	316.7	312.8	312.2	314.6	316.7					
G12.0	314.9	310.7	310.0	312.6	314.9					
G13.0	312.8	308.4	307.3	310.2	312.8					
G14.0	310.4	305.7	304.8	308.0	310.4					
G15.0	308.0	303.1	302.1	305.5	308.0					
G16.0	305.5	300.4	298.9	302.5	305.5					
G17.0	302.5	297.1	295.9	299.8	302.5					
G18.0	299.7	294.1	292.7	296.7	299.7					
G19.0	296.6	290.7	289.2	293.5	296.6					
G20.0	293.4	287.3	285.7	290.2	293.4					
G21.0	290.0	283.8	282.0	286.6	290.0					
G22.0	286.4	280.1	278.1	283.1	286.4					
G23.0	282.7	276.3	274.5	279.6	282.7					
G24.0	279.2	272.5	270.1	275.6	279.2					
G25.0	274.9	268.3	266.3	271.8	274.9					
G26.0	271.1	264.3	262.2	267.9	271.1					
G27.0	266.7	259.7	257.7	263.5	266.7					
G28.0	262.7	255.6	253.3	259.3	262.7					
G29.0	258.5	251.2	248.7	254.8	258.5					
G30.0	253.9	246.6	244.1	250.4	253.9					
G31.0	249.6	242.1	239.8	246.1	249.6					
G32.0	245.2	237.8	235.0	241.4	245.2					
G33.0	240.3	232.7	230.4	236.9	240.3					
G34.0	235.8	228.1	225.8	232.5	235.8					
G35.0	230.8	223.2	220.6	227.4	230.8					
G36.0	226.0	218.4	216.0	222.9	226.0					

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: 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	221.4	213.7	210.6	217.6	221.4					
G38.0	216.2	208.5	206.0	213.0	216.2					
G39.0	211.5	203.5	201.0	208.1	211.5					
G40.0	206.2	198.4	195.9	203.0	206.2					
G41.0	201.4	193.7	190.9	198.2	201.4					
G42.0	196.4	188.7	186.3	193.5	196.4					
G43.0	191.2	183.6	180.8	188.2	191.2					
G44.0	186.4	178.6	176.1	183.4	186.4					
G45.0	181.5	173.8	171.0	178.2	181.5					
G46.0	175.9	168.5	166.1	173.1	175.9					
G47.0	171.3	163.8	161.2	168.5	171.3					
G48.0	166.1	158.6	156.0	163.1	166.1					
G49.0	161.2	153.6	151.4	158.5	161.2					
G50.0	156.5	149.0	146.4	153.8	156.5					
G51.0	151.1	143.9	141.3	148.5	151.1					
G52.0	146.4	139.1	136.5	143.7	146.4					
G53.0	141.8	134.4	131.2	138.4	141.8					
G54.0	136.5	129.4	126.7	133.6	136.5					
G55.0	131.8	124.6	122.1	129.3	131.8					
G56.0	126.8	119.8	117.1	124.1	126.8					
G57.0	122.1	115.0	112.4	119.5	122.1					
G58.0	117.6	110.7	107.5	114.6	117.6					
G59.0	112.4	105.5	103.1	109.9	112.4					
G60.0	108.1	101.3	98.7	105.5	108.1					
G61.0	103.7	96.8	93.7	100.6	103.7					
G62.0	98.6	91.9	89.5	96.0	98.6					
G63.0	94.3	87.6	85.1	91.7	94.3					
G64.0	89.6	83.0	80.4	86.9	89.6					
G65.0	85.1	78.5	76.1	82.6	85.1					
G66.0	80.9	74.4	71.6	77.8	80.9					
G67.0	76.4	69.9	67.2	73.8	76.4					
G68.0	72.0	65.7	63.3	69.4	72.0					
G69.0	67.9	61.5	58.7	64.9	67.9					
G70.0	63.2	57.1	54.5	60.8	63.2					
G71.0	59.2	52.8	50.8	56.6	59.2					
G72.0	54.8	48.7	46.3	52.0	54.8					
G73.0	51.0	44.6	42.5	48.3	51.0					

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: 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	46.8	40.9	38.3	44.1	46.8					
G75.0	42.5	36.7	34.6	40.2	42.5					
G76.0	38.6	33.1	30.7	36.3	38.6					
G77.0	34.9	29.5	27.0	32.1	34.9					
G78.0	31.0	25.6	23.3	28.3	31.0					
G79.0	27.6	22.6	19.8	24.9	27.6					
G80.0	23.9	19.0	16.5	21.2	23.9					
G81.0	20.5	16.1	13.5	18.0	20.5					
G82.0	17.5	13.3	10.5	14.7	17.5					
G83.0	14.4	10.5	8.0	11.9	14.4					
G84.0	11.6	8.0	5.8	9.3	11.6					
G85.0	8.9	5.4	3.8	6.7	8.9					
G86.0	6.6	3.4	2.4	4.5	6.6					
G87.0	4.6	1.7	1.3	2.7	4.6					
G88.0	2.8	0.4	0.3	1.1	2.8					
G89.0	1.7	0.1	0.1	0.0	1.7					
G90.0	0.7	0.1	0.1	0.0	0.7					
G91.0	0.2	0.1	0.2	0.0	0.2					
G92.0	0.2	0.2	0.2	0.1	0.2					
G93.0	0.2	0.1	0.2	0.0	0.2					
G94.0	0.2	0.1	0.2	0.1	0.2					
G95.0	0.2	0.2	0.2	0.1	0.2					
G96.0	0.3	0.2	0.2	0.1	0.3					
G97.0	0.3	0.2	0.3	0.2	0.3					
G98.0	0.3	0.3	0.3	0.2	0.3					
G99.0	0.4	0.2	0.3	0.2	0.4					
G100.0	0.4	0.3	0.4	0.2	0.4					
G101.0	0.4	0.3	0.4	0.2	0.4					
G102.0	0.4	0.3	0.4	0.3	0.4					
G103.0	0.5	0.4	0.4	0.3	0.5					
G104.0	0.4	0.4	0.4	0.3	0.4					
G105.0	0.5	0.4	0.4	0.3	0.5					
G106.0	0.5	0.5	0.4	0.4	0.5					
G107.0	0.6	0.5	0.5	0.4	0.6					
G108.0	0.6	0.4	0.6	0.4	0.6					
G109.0	0.6	0.5	0.6	0.4	0.6					
G110.0	0.6	0.6	0.7	0.4	0.6					

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: 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	0.7	0.6	0.6	0.5	0.7					
G112.0	0.7	0.6	0.6	0.5	0.7					
G113.0	0.8	0.6	0.6	0.5	0.8					
G114.0	0.8	0.7	0.8	0.5	0.8					
G115.0	0.8	0.7	0.7	0.7	0.8					
G116.0	0.8	0.7	0.8	0.6	0.8					
G117.0	0.9	0.8	0.8	0.6	0.9					
G118.0	0.9	0.8	0.8	0.7	0.9					
G119.0	0.9	0.9	0.8	0.7	0.9					
G120.0	1.0	0.9	0.9	0.7	1.0					
G121.0	1.0	0.9	0.9	0.8	1.0					
G122.0	1.0	0.9	1.0	0.8	1.0					
G123.0	1.0	1.0	1.0	0.9	1.0					
G124.0	1.1	1.0	1.0	0.9	1.1					
G125.0	1.2	1.1	1.1	0.9	1.2					
G126.0	1.1	1.0	1.1	0.9	1.1					
G127.0	1.2	1.1	1.1	1.0	1.2					
G128.0	1.2	1.2	1.2	1.0	1.2					
G129.0	1.3	1.2	1.2	1.0	1.3					
G130.0	1.3	1.3	1.2	1.1	1.3					
G131.0	1.3	1.3	1.2	1.1	1.3					
G132.0	1.4	1.4	1.3	1.1	1.4					
G133.0	1.4	1.3	1.3	1.2	1.4					
G134.0	1.5	1.3	1.3	1.2	1.5					
G135.0	1.5	1.4	1.4	1.2	1.5					
G136.0	1.5	1.5	1.4	1.2	1.5					
G137.0	1.5	1.5	1.4	1.3	1.5					
G138.0	1.6	1.5	1.5	1.4	1.6					
G139.0	1.6	1.6	1.5	1.3	1.6					
G140.0	1.6	1.6	1.5	1.4	1.6					
G141.0	1.7	1.6	1.6	1.4	1.7					
G142.0	1.7	1.6	1.5	1.4	1.7					
G143.0	1.7	1.6	1.6	1.5	1.7					
G144.0	1.8	1.7	1.6	1.5	1.8					
G145.0	1.8	1.7	1.6	1.5	1.8					
G146.0	1.8	1.7	1.7	1.6	1.8					
G147.0	1.9	1.7	1.8	1.5	1.9					

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: 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	1.9	1.8	1.8	1.6	1.9					
G149.0	1.9	1.8	1.8	1.7	1.9					
G150.0	1.9	1.8	1.9	1.7	1.9					
G151.0	2.0	1.9	1.9	1.7	2.0					
G152.0	1.9	1.9	1.9	1.8	1.9					
G153.0	2.0	2.0	2.0	1.8	2.0					
G154.0	2.0	1.9	2.0	1.8	2.0					
G155.0	2.1	2.0	2.0	1.8	2.1					
G156.0	2.1	2.0	2.1	1.9	2.1					
G157.0	2.1	2.0	2.1	1.9	2.1					
G158.0	2.2	2.0	2.1	2.0	2.2					
G159.0	2.2	2.1	2.2	2.0	2.2					
G160.0	2.2	2.1	2.2	2.0	2.2					
G161.0	2.2	2.1	2.2	2.0	2.2					
G162.0	2.2	2.1	2.2	2.0	2.2					
G163.0	2.3	2.1	2.2	2.1	2.3					
G164.0	2.3	2.2	2.3	2.1	2.3					
G165.0	2.3	2.2	2.3	2.2	2.3					
G166.0	2.3	2.2	2.3	2.2	2.3					
G167.0	2.3	2.2	2.3	2.2	2.3					
G168.0	2.4	2.3	2.4	2.2	2.4					
G169.0	2.3	2.2	2.4	2.2	2.3					
G170.0	2.4	2.2	2.4	2.3	2.4					
G171.0	2.4	2.2	2.4	2.3	2.4					
G172.0	2.4	2.3	2.4	2.3	2.4					
G173.0	2.4	2.3	2.4	2.2	2.4					
G174.0	2.4	2.3	2.4	2.3	2.4					
G175.0	2.4	2.3	2.4	2.3	2.4					
G176.0	2.4	2.3	2.5	2.3	2.4					
G177.0	2.5	2.3	2.5	2.3	2.5					
G178.0	2.4	2.3	2.5	2.3	2.4					
G179.0	2.4	2.3	2.5	2.3	2.4					
G180.0	2.4	2.3	2.5	2.3	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: 7.100 m [K=1.0000]
 Humidity:
 Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	65246.37
L 0-180(75) av	51005.43
L 0-180(85) av	24812.56
L 90-270(65) av	65218.03
L 90-270(75) av	50820.34
L 90-270(85) av	23693.64
L 45(65) av	65232.20
L 45(75) av	50912.89
L 45(85) av	24253.10

Standard: GB/T 29293-2012