

Report No.:

Test Time: 2025-11-19 14:37

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -61

Luminous Height (mm):

Current: 0.084 A

Power Factor: 0.925

Luminaire Description: 87669-3500K

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -61

Voltage: 120.2 V

Power: 9.31 W

Photometric Results

CIE Class: Direct

Measurement Flux: 787.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H95.1

Vertical Diffuse Angle(50%): V95.3

Luminaire Efficacy Rating (LER): 84.68

Max. Intensity: 335.83 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 787.9 lm

Efficiency: 100%

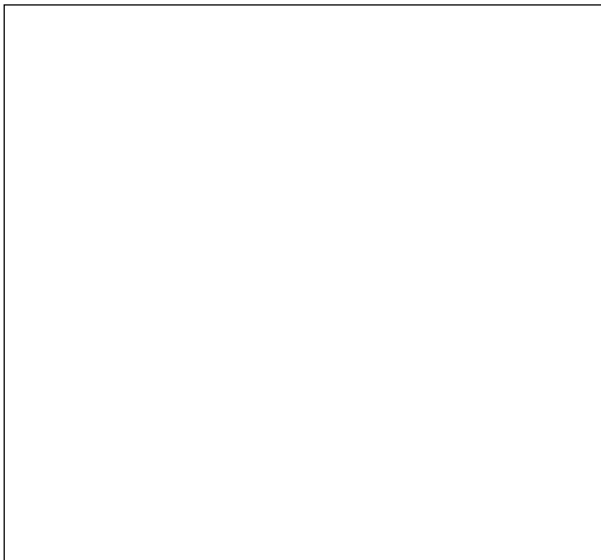
Upward Ratio: 1%

C0r0 Intensity: 335.65 cd

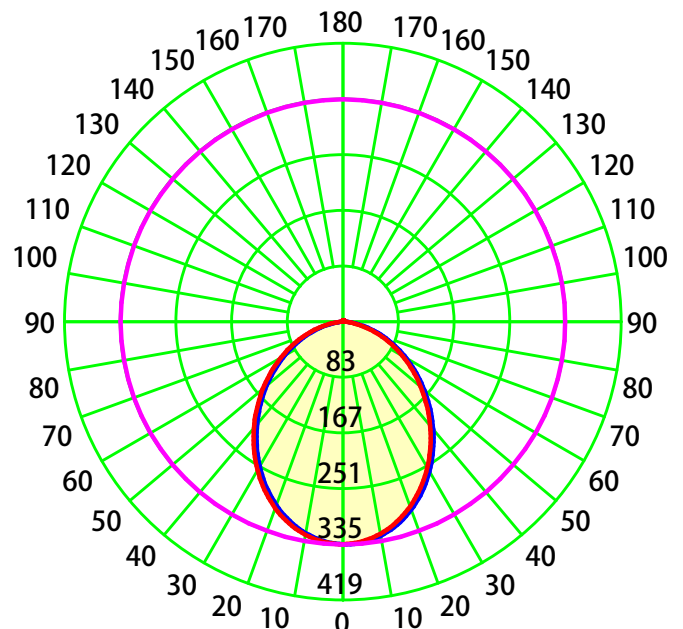
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 1.15

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 95.2°

— 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

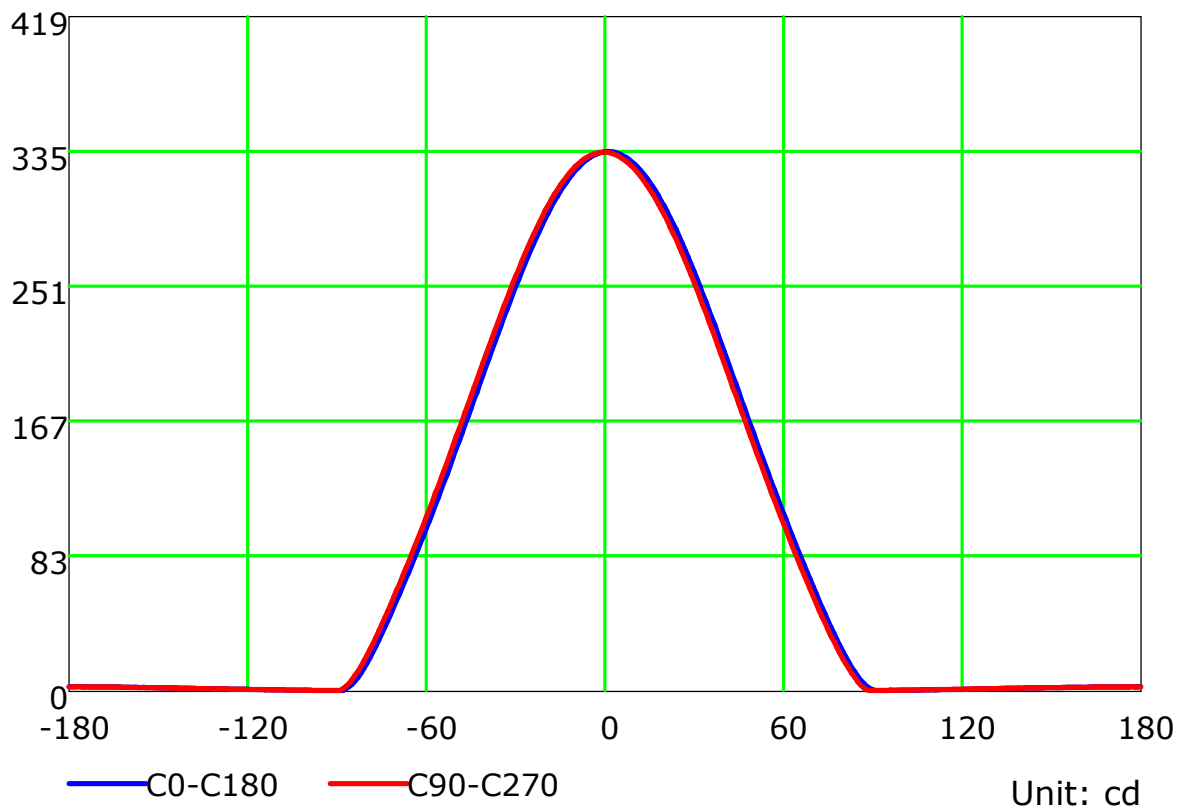
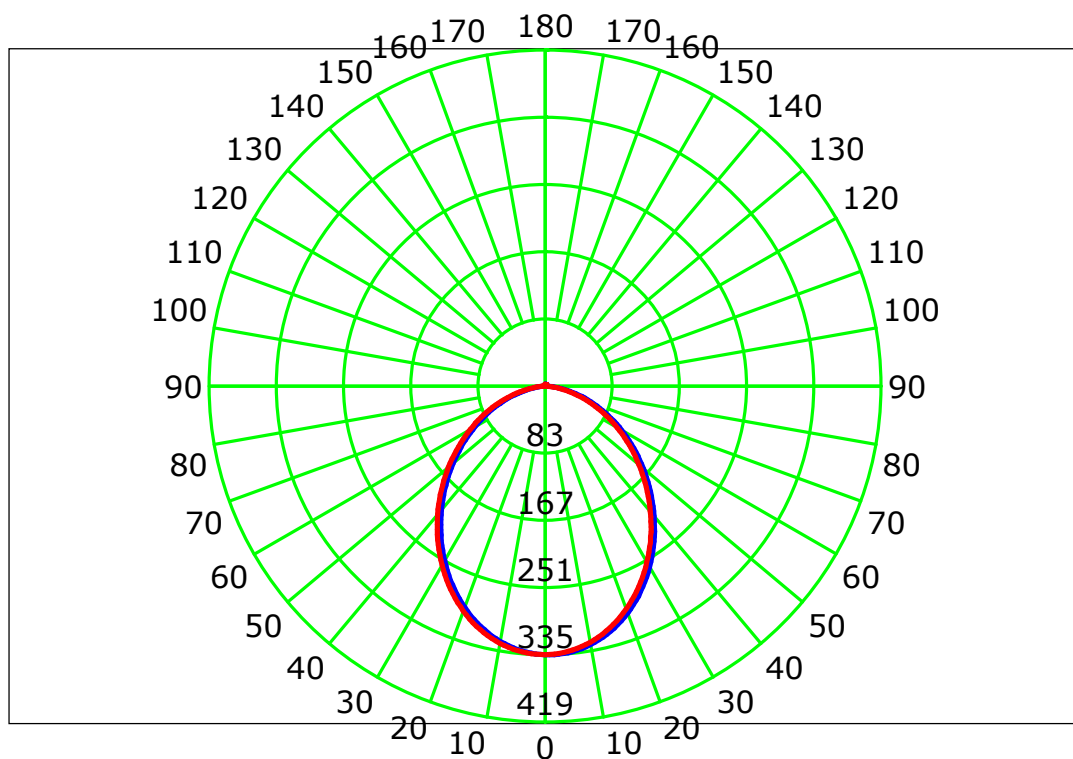
Test Device: GPM-1600L

Distance: 7.100 m [K=1.0000]

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0
Test Lab:
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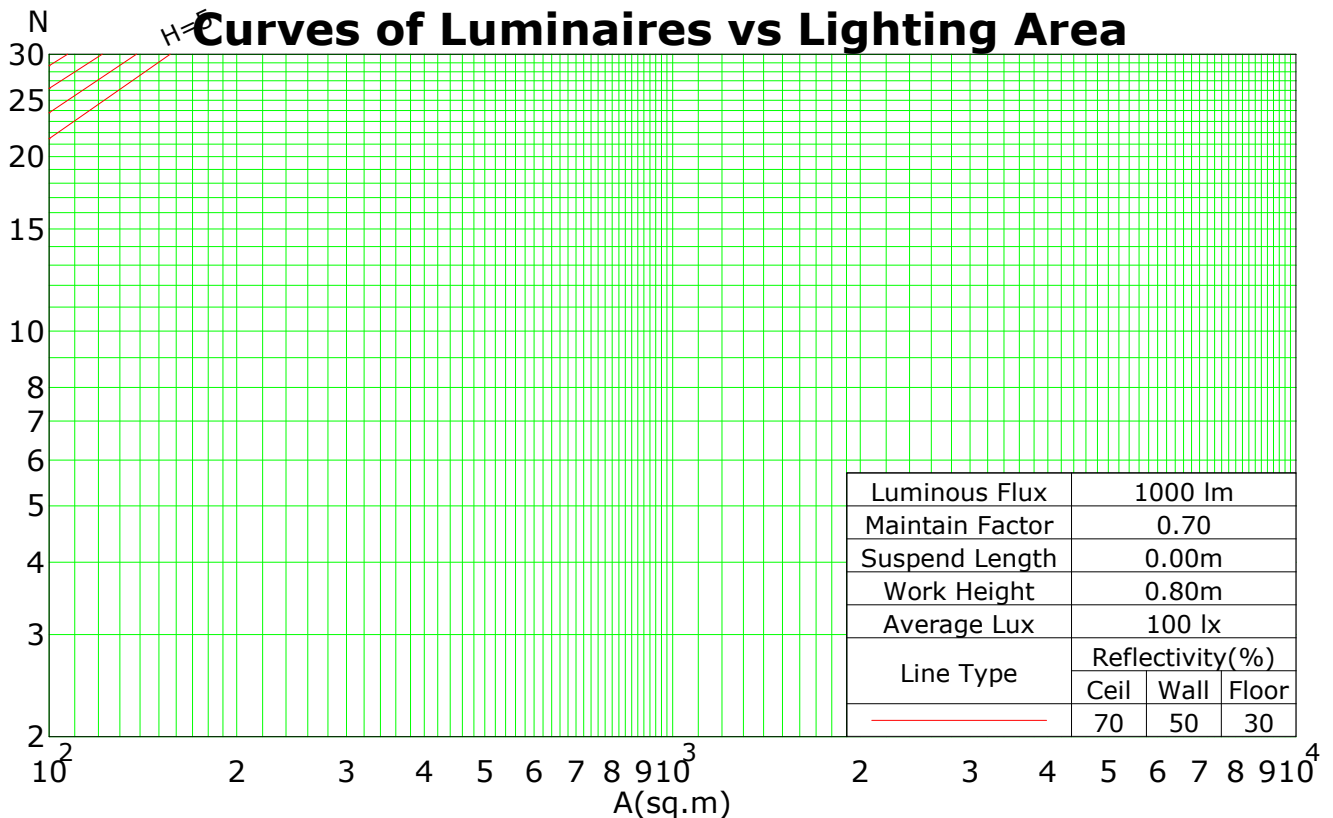
Coefficients Of Utilization - Zonal Cavity Method

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	0.64	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	0.40	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

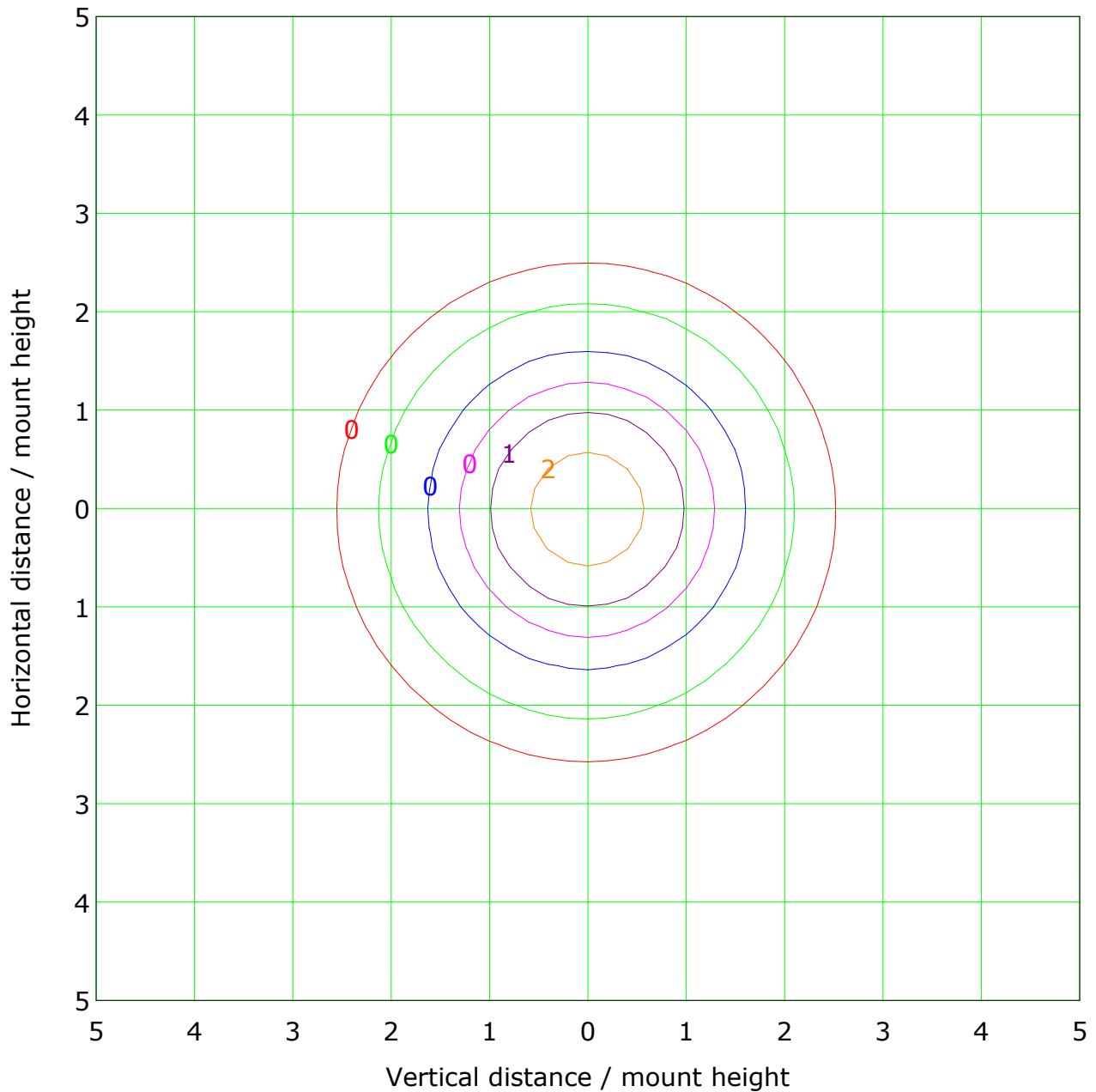
Test Device: GPM-1600L

Distance: 7.100 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.4 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.3 lx
(20%): 0.7 lx	(50%): 1.7 lx
(100%): 3.4 lx	

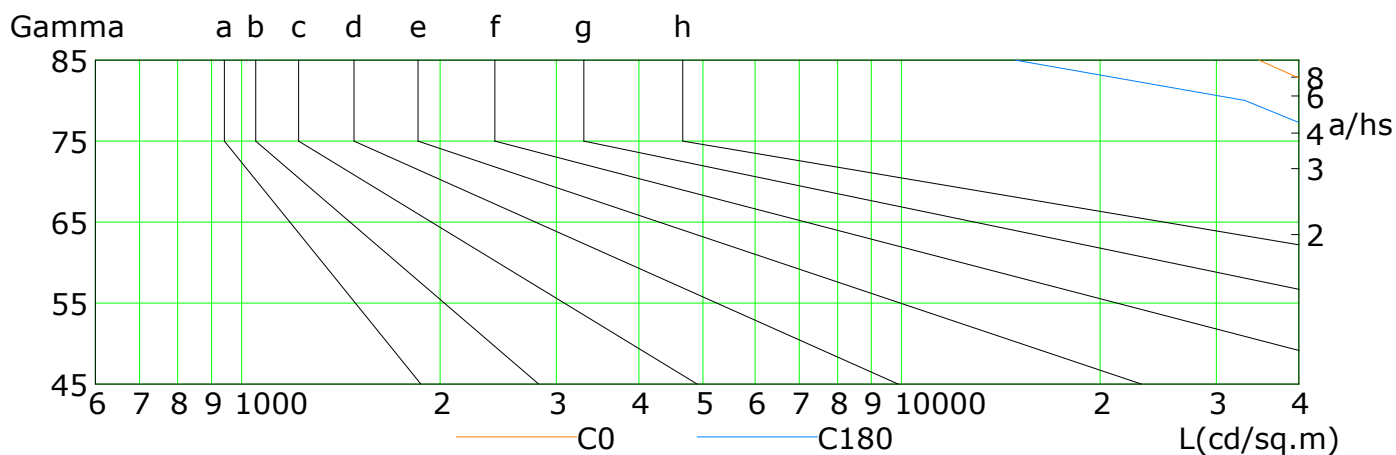
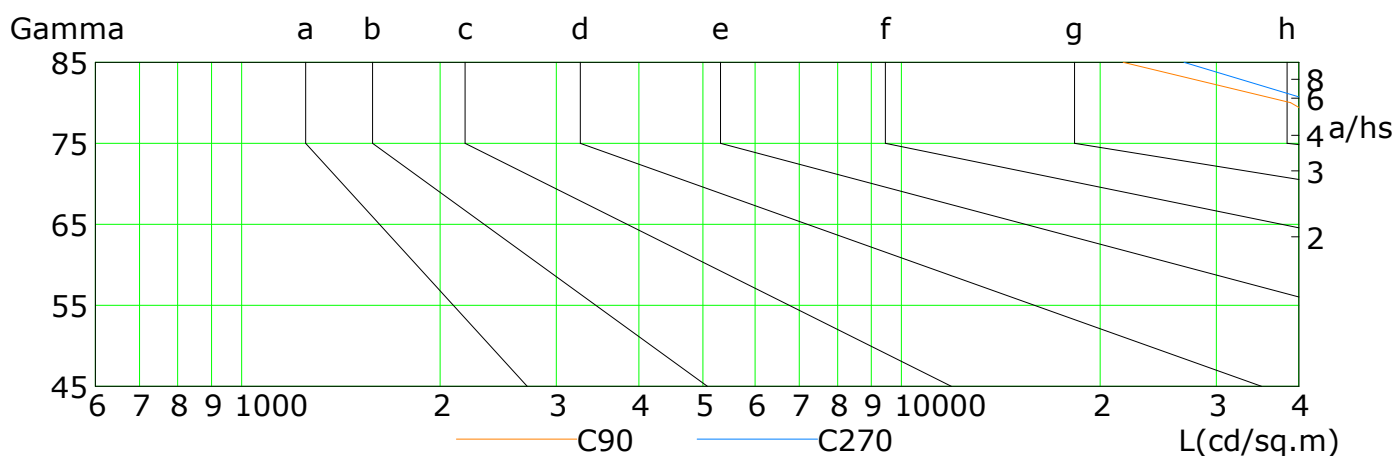
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

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

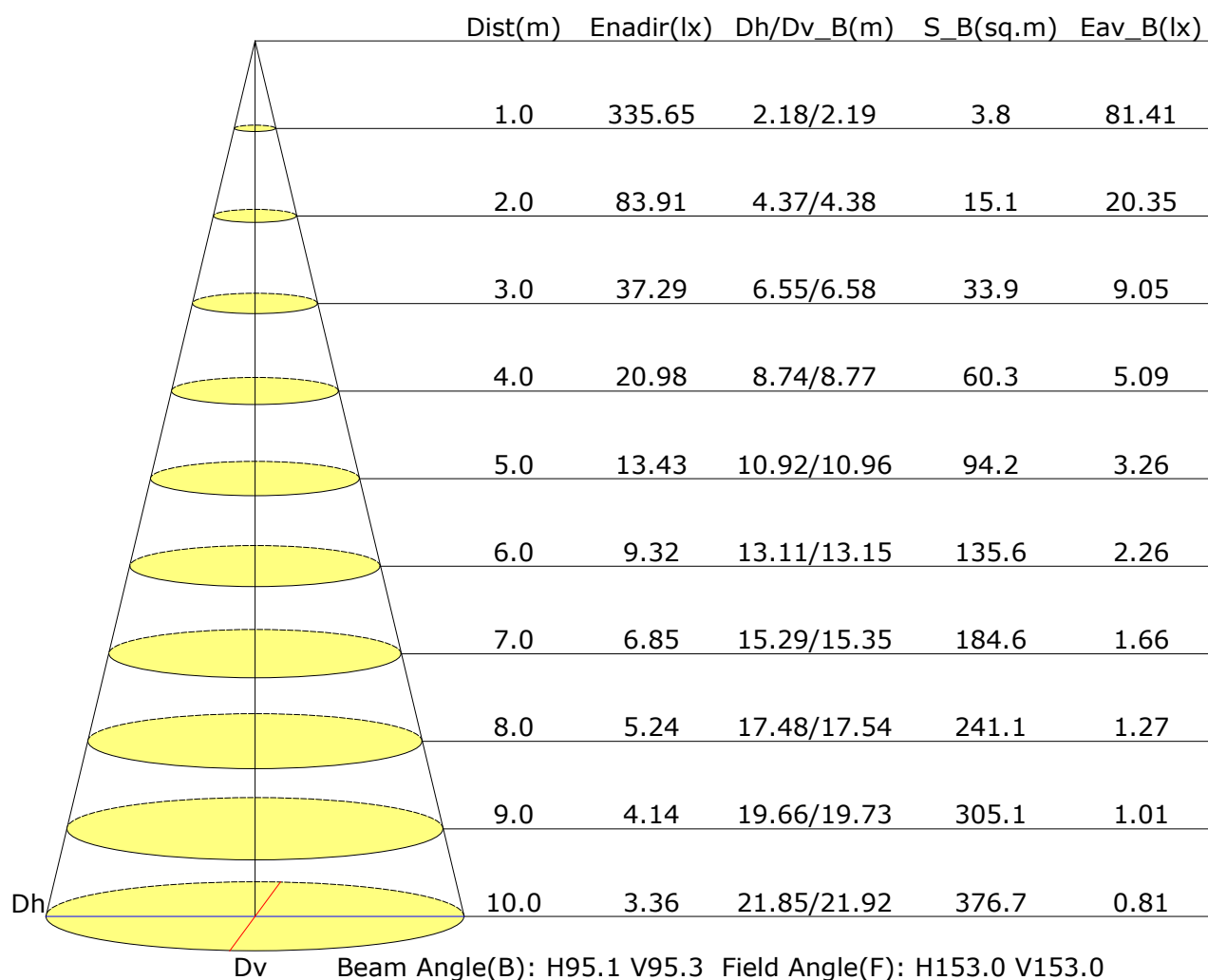


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	90153	85434	80680	75737	70546	64650	57325	47785	34824
C90	86649	81628	76659	71282	65574	58777	50173	38898	21672
C180	85023	80212	74833	69298	63275	56066	47039	33144	14880
C270	88788	84258	79129	74095	68748	62449	54416	42800	26815

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:

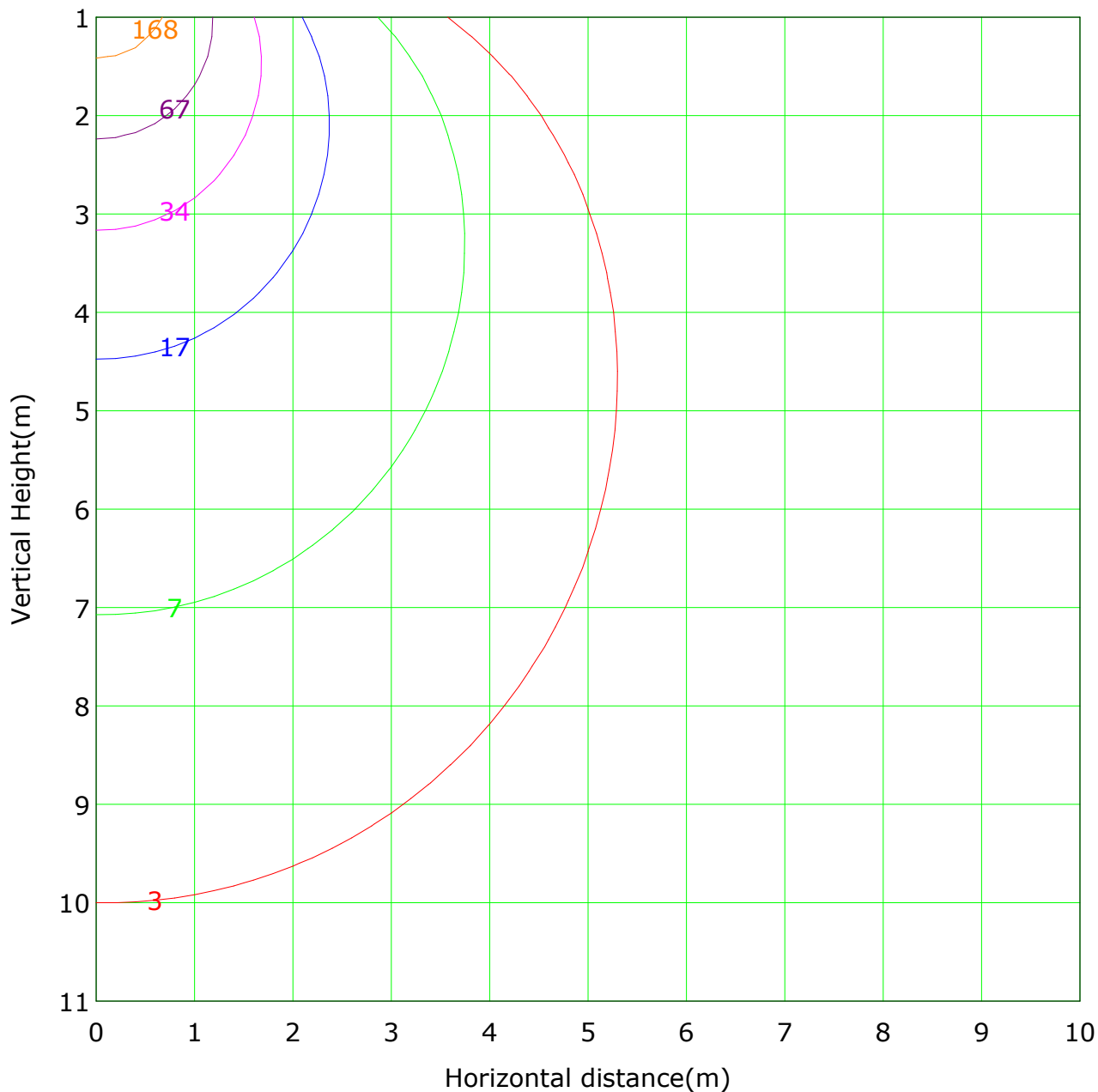
Illuminance at a Distance



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:

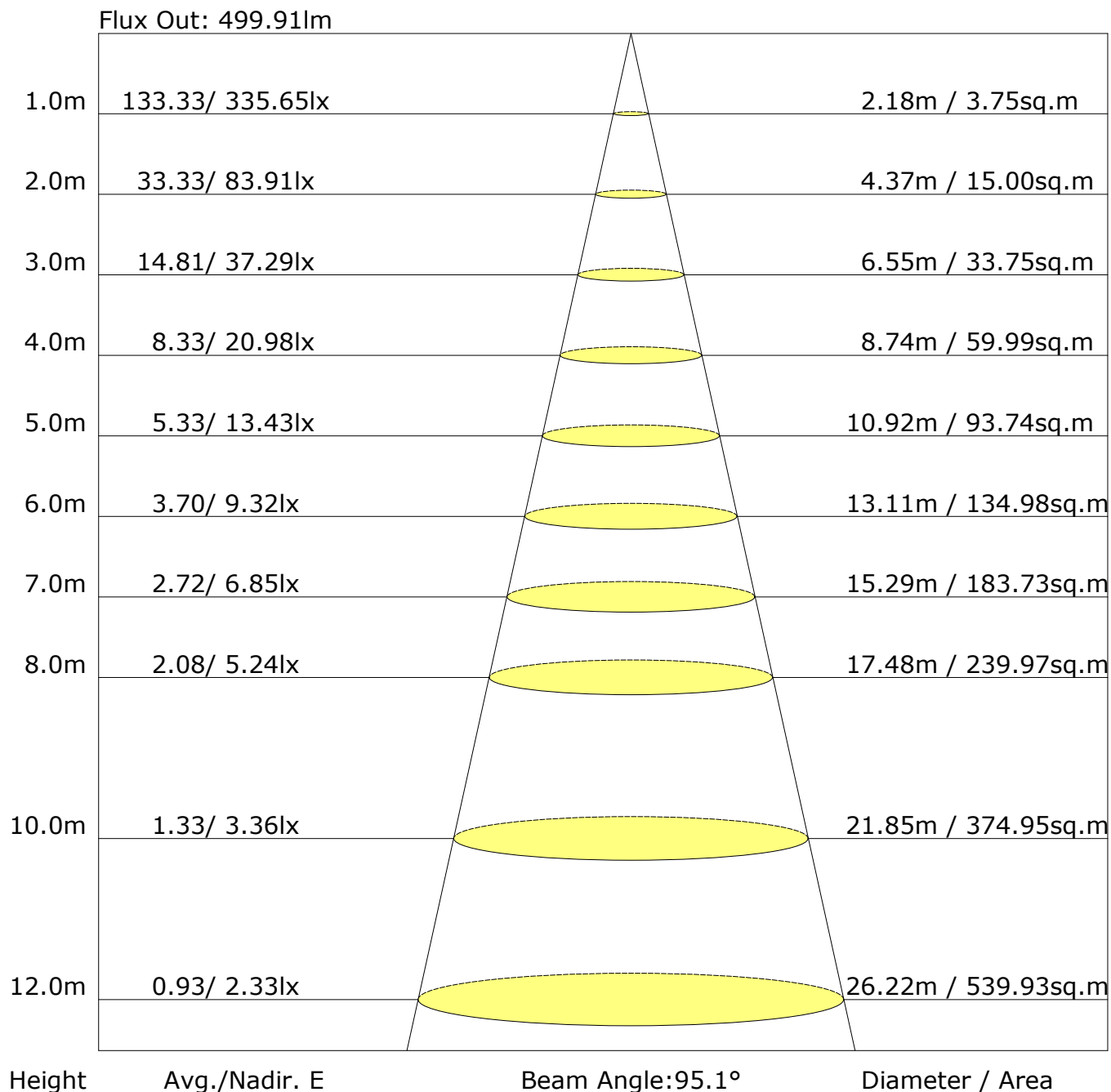
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 335.6 lx

— (1%): 3.4 lx	— (2%): 6.7 lx
— (5%): 16.8 lx	— (10%): 33.6 lx
— (20%): 67.1 lx	— (50%): 167.8 lx
— (100%): 335.6 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	27.7	29.0	28.0	29.2	29.5	27.5	28.8	27.8	29.1	29.3
3H	29.0	30.2	29.3	30.5	30.8	28.8	30.0	29.1	30.3	30.6
4H	29.5	30.6	29.9	30.9	31.2	29.3	30.4	29.6	30.7	31.0
6H	29.9	30.9	30.2	31.2	31.5	29.5	30.6	29.9	30.9	31.2
8H	29.9	30.9	30.3	31.3	31.6	29.6	30.6	30.0	30.9	31.3
12H	30.0	30.9	30.4	31.3	31.6	29.6	30.6	30.0	30.9	31.3
X=4H Y=2H	28.2	29.4	28.6	29.7	30.0	28.1	29.3	28.5	29.5	29.9
3H	29.8	30.7	30.2	31.1	31.4	29.6	30.6	30.0	30.9	31.3
4H	30.4	31.2	30.8	31.6	32.0	30.2	31.0	30.6	31.4	31.8
6H	30.8	31.6	31.3	32.0	32.4	30.5	31.3	31.0	31.7	32.1
8H	31.0	31.7	31.4	32.1	32.5	30.6	31.3	31.1	31.8	32.2
12H	31.0	31.7	31.5	32.1	32.5	30.7	31.3	31.1	31.7	32.2
X=8H Y=4H	30.6	31.3	31.1	31.7	32.1	30.4	31.1	30.9	31.5	32.0
6H	31.2	31.7	31.6	32.2	32.6	30.9	31.5	31.4	31.9	32.4
8H	31.3	31.8	31.8	32.3	32.8	31.0	31.5	31.5	32.0	32.5
12H	31.5	31.9	32.0	32.4	32.9	31.1	31.5	31.6	32.0	32.6
X=12H Y=4H	30.6	31.2	31.1	31.7	32.1	30.4	31.0	30.9	31.5	31.9
6H	31.2	31.7	31.7	32.1	32.6	30.9	31.4	31.4	31.9	32.4
8H	31.4	31.8	31.9	32.3	32.8	31.1	31.5	31.6	32.0	32.5
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 788lm ($8\log(F/F_0) = -0.8$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	397	50.4
	FL (0°-30°)	125	15.8
	FM (30°-60°)	204	25.8
	FH (60°-80°)	64	8.2
	FVH (80°-90°)	5	0.6
	BACK LIGHT	385	48.8
	BL (0°-30°)	123	15.6
	BM (30°-60°)	198	25.1
	BH (60°-80°)	60	7.6
	BVH (80°-90°)	4	0.5
	UP LIGHT	6	0.8
	UL (90°-100°)	0	0.0
	UH (100°-180°)	6	0.7
	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	335.5	0.3	0.3	0.04	0.04
1.0-2.0	335.3	1.0	1.3	0.12	0.16
2.0-3.0	334.9	1.6	2.9	0.20	0.37
3.0-4.0	334.3	2.2	5.1	0.28	0.65
4.0-5.0	333.5	2.9	8.0	0.36	1.01
5.0-6.0	332.5	3.5	11.5	0.44	1.46
6.0-7.0	331.4	4.1	15.6	0.52	1.98
7.0-8.0	330.0	4.7	20.3	0.60	2.58
8.0-9.0	328.4	5.3	25.6	0.68	3.26
9.0-10.0	326.7	5.9	31.6	0.75	4.01
10.0-11.0	324.8	6.5	38.1	0.82	4.83
11.0-12.0	322.6	7.1	45.1	0.90	5.72
12.0-13.0	320.3	7.6	52.7	0.97	6.69
13.0-14.0	317.8	8.1	60.8	1.03	7.72
14.0-15.0	315.2	8.7	69.5	1.10	8.82
15.0-16.0	312.5	9.2	78.7	1.16	9.98
16.0-17.0	309.5	9.6	88.3	1.22	11.21
17.0-18.0	306.4	10.1	98.4	1.28	12.49
18.0-19.0	303.1	10.5	108.9	1.34	13.83
19.0-20.0	299.6	11.0	119.9	1.39	15.22
20.0-21.0	296.1	11.4	131.3	1.44	16.66
21.0-22.0	292.3	11.7	143.0	1.49	18.15
22.0-23.0	288.5	12.1	155.1	1.54	19.69
23.0-24.0	284.6	12.4	167.6	1.58	21.27
24.0-25.0	280.5	12.8	180.3	1.62	22.89
25.0-26.0	276.4	13.0	193.4	1.66	24.55
26.0-27.0	272.1	13.3	206.7	1.69	26.24
27.0-28.0	267.6	13.6	220.3	1.72	27.96
28.0-29.0	263.1	13.8	234.0	1.75	29.70
29.0-30.0	258.5	14.0	248.0	1.77	31.47
30.0-31.0	254.0	14.1	262.1	1.79	33.27
31.0-32.0	249.3	14.3	276.4	1.81	35.08
32.0-33.0	244.5	14.4	290.8	1.83	36.91
33.0-34.0	239.7	14.5	305.3	1.84	38.75
34.0-35.0	234.7	14.6	319.9	1.85	40.60
35.0-36.0	229.7	14.6	334.5	1.86	42.46

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	224.8	14.7	349.2	1.86	44.32
37.0-38.0	219.7	14.7	363.9	1.86	46.18
38.0-39.0	214.6	14.6	378.5	1.86	48.04
39.0-40.0	209.4	14.6	393.1	1.85	49.89
40.0-41.0	204.2	14.5	407.7	1.85	51.74
41.0-42.0	199.2	14.5	422.1	1.84	53.58
42.0-43.0	194.0	14.4	436.5	1.82	55.40
43.0-44.0	188.9	14.3	450.8	1.81	57.21
44.0-45.0	183.8	14.1	464.9	1.79	59.00
45.0-46.0	178.5	14.0	478.9	1.77	60.78
46.0-47.0	173.4	13.8	492.6	1.75	62.53
47.0-48.0	168.2	13.6	506.3	1.73	64.25
48.0-49.0	163.0	13.4	519.6	1.70	65.95
49.0-50.0	158.1	13.2	532.8	1.67	67.63
50.0-51.0	153.0	12.9	545.8	1.64	69.27
51.0-52.0	147.9	12.7	558.5	1.61	70.88
52.0-53.0	142.9	12.4	570.9	1.58	72.46
53.0-54.0	137.8	12.1	583.0	1.54	74.00
54.0-55.0	132.8	11.9	594.9	1.51	75.51
55.0-56.0	127.9	11.6	606.5	1.47	76.97
56.0-57.0	122.9	11.2	617.7	1.43	78.40
57.0-58.0	118.1	10.9	628.6	1.39	79.78
58.0-59.0	113.2	10.6	639.2	1.34	81.13
59.0-60.0	108.4	10.2	649.4	1.30	82.43
60.0-61.0	103.7	9.9	659.3	1.26	83.68
61.0-62.0	99.0	9.5	668.9	1.21	84.90
62.0-63.0	94.4	9.2	678.1	1.17	86.06
63.0-64.0	89.7	8.8	686.9	1.12	87.18
64.0-65.0	85.0	8.4	695.3	1.07	88.25
65.0-66.0	80.5	8.0	703.3	1.02	89.27
66.0-67.0	76.0	7.6	711.0	0.97	90.24
67.0-68.0	71.6	7.3	718.2	0.92	91.16
68.0-69.0	67.2	6.9	725.1	0.87	92.03
69.0-70.0	62.7	6.4	731.5	0.82	92.84
70.0-71.0	58.4	6.0	737.5	0.77	93.61
71.0-72.0	54.1	5.6	743.2	0.71	94.32

C Plane (°):0.0-360.0: 90.0
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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	49.8	5.2	748.4	0.66	94.98
73.0-74.0	45.7	4.8	753.2	0.61	95.59
74.0-75.0	41.6	4.4	757.6	0.56	96.15
75.0-76.0	37.5	4.0	761.6	0.51	96.66
76.0-77.0	33.6	3.6	765.1	0.45	97.11
77.0-78.0	29.7	3.2	768.3	0.40	97.52
78.0-79.0	26.1	2.8	771.1	0.36	97.87
79.0-80.0	22.5	2.4	773.5	0.31	98.18
80.0-81.0	19.0	2.1	775.6	0.26	98.44
81.0-82.0	15.9	1.7	777.3	0.22	98.66
82.0-83.0	12.9	1.4	778.7	0.18	98.84
83.0-84.0	10.1	1.1	779.8	0.14	98.98
84.0-85.0	7.5	0.8	780.6	0.10	99.08
85.0-86.0	5.2	0.6	781.2	0.07	99.15
86.0-87.0	3.4	0.4	781.6	0.05	99.20
87.0-88.0	1.9	0.2	781.8	0.03	99.23
88.0-89.0	0.8	0.1	781.9	0.01	99.24
89.0-90.0	0.3	0.0	781.9	0.00	99.24
90.0-91.0	0.1	0.0	781.9	0.00	99.24
91.0-92.0	0.1	0.0	781.9	0.00	99.24
92.0-93.0	0.1	0.0	781.9	0.00	99.25
93.0-94.0	0.1	0.0	782.0	0.00	99.25
94.0-95.0	0.1	0.0	782.0	0.00	99.25
95.0-96.0	0.2	0.0	782.0	0.00	99.25
96.0-97.0	0.2	0.0	782.0	0.00	99.25
97.0-98.0	0.2	0.0	782.0	0.00	99.26
98.0-99.0	0.2	0.0	782.1	0.00	99.26
99.0-100.0	0.2	0.0	782.1	0.00	99.26
100.0-101.0	0.3	0.0	782.1	0.00	99.27
101.0-102.0	0.3	0.0	782.1	0.00	99.27
102.0-103.0	0.3	0.0	782.2	0.00	99.27
103.0-104.0	0.3	0.0	782.2	0.00	99.28
104.0-105.0	0.3	0.0	782.2	0.00	99.28
105.0-106.0	0.4	0.0	782.3	0.00	99.29
106.0-107.0	0.4	0.0	782.3	0.01	99.29
107.0-108.0	0.4	0.0	782.4	0.01	99.30

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	0.0	782.4	0.01	99.31
109.0-110.0	0.5	0.1	782.5	0.01	99.31
110.0-111.0	0.5	0.1	782.5	0.01	99.32
111.0-112.0	0.6	0.1	782.6	0.01	99.33
112.0-113.0	0.6	0.1	782.6	0.01	99.33
113.0-114.0	0.6	0.1	782.7	0.01	99.34
114.0-115.0	0.6	0.1	782.8	0.01	99.35
115.0-116.0	0.7	0.1	782.8	0.01	99.36
116.0-117.0	0.7	0.1	782.9	0.01	99.37
117.0-118.0	0.7	0.1	783.0	0.01	99.38
118.0-119.0	0.8	0.1	783.1	0.01	99.39
119.0-120.0	0.8	0.1	783.1	0.01	99.40
120.0-121.0	0.8	0.1	783.2	0.01	99.41
121.0-122.0	0.9	0.1	783.3	0.01	99.42
122.0-123.0	0.9	0.1	783.4	0.01	99.43
123.0-124.0	1.0	0.1	783.5	0.01	99.44
124.0-125.0	1.0	0.1	783.6	0.01	99.45
125.0-126.0	1.0	0.1	783.6	0.01	99.46
126.0-127.0	1.1	0.1	783.7	0.01	99.47
127.0-128.0	1.1	0.1	783.8	0.01	99.49
128.0-129.0	1.1	0.1	783.9	0.01	99.50
129.0-130.0	1.2	0.1	784.0	0.01	99.51
130.0-131.0	1.2	0.1	784.1	0.01	99.52
131.0-132.0	1.2	0.1	784.2	0.01	99.54
132.0-133.0	1.3	0.1	784.3	0.01	99.55
133.0-134.0	1.3	0.1	784.4	0.01	99.56
134.0-135.0	1.3	0.1	784.5	0.01	99.58
135.0-136.0	1.4	0.1	784.7	0.01	99.59
136.0-137.0	1.4	0.1	784.8	0.01	99.60
137.0-138.0	1.4	0.1	784.9	0.01	99.62
138.0-139.0	1.5	0.1	785.0	0.01	99.63
139.0-140.0	1.5	0.1	785.1	0.01	99.64
140.0-141.0	1.5	0.1	785.2	0.01	99.66
141.0-142.0	1.6	0.1	785.3	0.01	99.67
142.0-143.0	1.6	0.1	785.4	0.01	99.68
143.0-144.0	1.6	0.1	785.5	0.01	99.70

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.7	0.1	785.6	0.01	99.71
145.0-146.0	1.7	0.1	785.7	0.01	99.72
146.0-147.0	1.7	0.1	785.8	0.01	99.74
147.0-148.0	1.8	0.1	785.9	0.01	99.75
148.0-149.0	1.8	0.1	786.0	0.01	99.76
149.0-150.0	1.8	0.1	786.1	0.01	99.78
150.0-151.0	1.9	0.1	786.2	0.01	99.79
151.0-152.0	1.9	0.1	786.3	0.01	99.80
152.0-153.0	1.9	0.1	786.4	0.01	99.81
153.0-154.0	2.0	0.1	786.5	0.01	99.83
154.0-155.0	2.0	0.1	786.6	0.01	99.84
155.0-156.0	2.0	0.1	786.7	0.01	99.85
156.0-157.0	2.0	0.1	786.8	0.01	99.86
157.0-158.0	2.0	0.1	786.9	0.01	99.87
158.0-159.0	2.1	0.1	787.0	0.01	99.88
159.0-160.0	2.1	0.1	787.0	0.01	99.89
160.0-161.0	2.1	0.1	787.1	0.01	99.90
161.0-162.0	2.1	0.1	787.2	0.01	99.91
162.0-163.0	2.2	0.1	787.3	0.01	99.92
163.0-164.0	2.2	0.1	787.3	0.01	99.93
164.0-165.0	2.2	0.1	787.4	0.01	99.94
165.0-166.0	2.3	0.1	787.5	0.01	99.94
166.0-167.0	2.3	0.1	787.5	0.01	99.95
167.0-168.0	2.3	0.1	787.6	0.01	99.96
168.0-169.0	2.3	0.1	787.6	0.01	99.97
169.0-170.0	2.3	0.0	787.7	0.01	99.97
170.0-171.0	2.3	0.0	787.7	0.01	99.98
171.0-172.0	2.3	0.0	787.7	0.00	99.98
172.0-173.0	2.3	0.0	787.8	0.00	99.99
173.0-174.0	2.4	0.0	787.8	0.00	99.99
174.0-175.0	2.4	0.0	787.8	0.00	99.99
175.0-176.0	2.4	0.0	787.9	0.00	100.00
176.0-177.0	2.4	0.0	787.9	0.00	100.00
177.0-178.0	2.4	0.0	787.9	0.00	100.00
178.0-179.0	2.4	0.0	787.9	0.00	100.00
179.0-180.0	2.4	0.0	787.9	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°): 464.89 lm

%lum = 59.0%
%lamp = 59.0%

cone flux(120°): 649.44 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	335.6	335.4	335.6	335.4	335.6					
G1.0	335.8	335.3	335.4	335.4	335.8					
G2.0	335.8	334.9	334.9	335.2	335.8					
G3.0	335.4	334.3	334.2	334.7	335.4					
G4.0	335.0	333.6	333.3	334.1	335.0					
G5.0	334.3	332.6	332.2	333.3	334.3					
G6.0	333.3	331.4	331.0	332.3	333.3					
G7.0	332.3	330.0	329.4	331.2	332.3					
G8.0	331.0	328.6	327.7	329.7	331.0					
G9.0	329.5	326.8	325.8	328.1	329.5					
G10.0	327.9	324.9	324.0	326.5	327.9					
G11.0	326.0	322.7	321.6	324.4	326.0					
G12.0	324.1	320.5	319.3	322.4	324.1					
G13.0	322.0	318.2	316.5	319.9	322.0					
G14.0	319.5	315.3	314.0	317.5	319.5					
G15.0	317.0	312.6	311.2	314.9	317.0					
G16.0	314.5	309.7	307.9	312.0	314.5					
G17.0	311.3	306.5	304.9	309.1	311.3					
G18.0	308.4	303.3	301.5	306.1	308.4					
G19.0	304.9	299.7	297.9	302.6	304.9					
G20.0	301.8	296.3	294.3	299.4	301.8					
G21.0	298.3	292.8	290.4	295.4	298.3					
G22.0	294.5	288.6	286.5	291.9	294.5					
G23.0	290.9	285.0	282.7	288.1	290.9					
G24.0	287.2	281.0	278.2	284.0	287.2					
G25.0	282.8	276.7	274.3	280.1	282.8					
G26.0	278.8	272.5	270.0	276.1	278.8					
G27.0	274.2	268.0	265.4	271.5	274.2					
G28.0	270.1	263.5	260.9	267.4	270.1					
G29.0	265.7	259.1	256.1	262.4	265.7					
G30.0	261.0	254.2	251.5	258.1	261.0					
G31.0	256.5	249.7	246.9	253.7	256.5					
G32.0	252.0	245.0	241.9	248.7	252.0					
G33.0	246.8	240.0	237.2	244.0	246.8					
G34.0	242.2	235.3	232.5	239.4	242.2					
G35.0	237.0	230.0	227.1	234.3	237.0					
G36.0	232.3	225.3	222.4	229.4	232.3					

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	227.5	220.3	216.9	224.3	227.5					
G38.0	222.0	214.8	212.0	219.3	222.0					
G39.0	217.1	210.0	207.0	214.5	217.1					
G40.0	211.7	204.5	201.6	209.0	211.7					
G41.0	206.7	199.5	196.5	204.2	206.7					
G42.0	201.8	194.5	191.7	199.1	201.8					
G43.0	196.4	189.0	186.0	193.9	196.4					
G44.0	191.3	184.1	181.3	188.8	191.3					
G45.0	186.3	179.1	175.7	183.5	186.3					
G46.0	180.8	173.7	170.8	178.4	180.8					
G47.0	175.8	168.9	165.8	173.4	175.8					
G48.0	170.3	163.3	160.5	167.9	170.3					
G49.0	165.4	158.4	155.4	163.1	165.4					
G50.0	160.5	153.3	150.7	158.3	160.5					
G51.0	154.9	148.1	145.4	152.8	154.9					
G52.0	150.1	143.4	140.3	147.8	150.1					
G53.0	145.3	138.6	134.9	142.5	145.3					
G54.0	139.9	133.2	130.3	137.4	139.9					
G55.0	135.2	128.5	125.4	132.6	135.2					
G56.0	130.0	123.2	120.3	127.5	130.0					
G57.0	125.2	118.6	115.5	122.9	125.2					
G58.0	120.4	113.8	110.5	117.7	120.4					
G59.0	115.3	108.9	105.8	113.1	115.3					
G60.0	110.7	104.2	101.3	108.3	110.7					
G61.0	106.1	99.8	96.3	103.2	106.1					
G62.0	101.1	94.7	92.0	98.7	101.1					
G63.0	96.7	90.3	87.4	94.3	96.7					
G64.0	91.6	85.3	82.6	89.4	91.6					
G65.0	87.1	81.0	78.2	84.9	87.1					
G66.0	82.8	76.5	73.6	80.1	82.8					
G67.0	78.1	71.8	69.2	75.7	78.1					
G68.0	73.7	67.7	65.0	71.4	73.7					
G69.0	69.5	63.3	60.3	66.5	69.5					
G70.0	64.6	58.8	56.0	62.4	64.6					
G71.0	60.5	54.6	52.0	58.2	60.5					
G72.0	56.0	50.2	47.6	53.5	56.0					
G73.0	51.8	46.2	43.5	49.6	51.8					

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: 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	47.9	42.3	39.3	45.2	47.9					
G75.0	43.4	38.0	35.6	41.2	43.4					
G76.0	39.5	34.1	31.5	37.3	39.5					
G77.0	35.6	30.5	27.3	32.9	35.6					
G78.0	31.6	26.8	24.0	29.0	31.6					
G79.0	28.0	23.3	20.4	25.5	28.0					
G80.0	24.3	19.7	16.8	21.7	24.3					
G81.0	20.8	16.6	13.8	18.5	20.8					
G82.0	17.7	13.8	10.8	15.0	17.7					
G83.0	14.5	10.8	8.2	12.2	14.5					
G84.0	11.6	8.3	5.9	9.4	11.6					
G85.0	8.9	5.5	3.8	6.8	8.9					
G86.0	6.6	3.4	2.4	4.6	6.6					
G87.0	4.4	1.8	1.2	2.7	4.4					
G88.0	2.7	0.5	0.2	1.2	2.7					
G89.0	1.6	0.0	0.0	0.1	1.6					
G90.0	0.5	0.1	0.0	0.1	0.5					
G91.0	0.1	0.1	0.0	0.1	0.1					
G92.0	0.1	0.1	0.1	0.0	0.1					
G93.0	0.1	0.2	0.1	0.1	0.1					
G94.0	0.1	0.2	0.1	0.2	0.1					
G95.0	0.2	0.2	0.1	0.1	0.2					
G96.0	0.2	0.2	0.1	0.1	0.2					
G97.0	0.2	0.2	0.1	0.2	0.2					
G98.0	0.1	0.3	0.2	0.1	0.1					
G99.0	0.2	0.3	0.2	0.2	0.2					
G100.0	0.3	0.3	0.3	0.2	0.3					
G101.0	0.2	0.3	0.2	0.3	0.2					
G102.0	0.3	0.3	0.3	0.3	0.3					
G103.0	0.4	0.4	0.3	0.3	0.4					
G104.0	0.4	0.4	0.3	0.3	0.4					
G105.0	0.4	0.4	0.3	0.3	0.4					
G106.0	0.4	0.5	0.3	0.3	0.4					
G107.0	0.4	0.5	0.4	0.4	0.4					
G108.0	0.5	0.5	0.5	0.4	0.5					
G109.0	0.5	0.5	0.4	0.4	0.5					
G110.0	0.6	0.6	0.5	0.5	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	0.6	0.6	0.6	0.5	0.6					
G112.0	0.6	0.6	0.5	0.5	0.6					
G113.0	0.7	0.7	0.6	0.5	0.7					
G114.0	0.7	0.7	0.6	0.6	0.7					
G115.0	0.7	0.7	0.6	0.6	0.7					
G116.0	0.7	0.7	0.7	0.6	0.7					
G117.0	0.8	0.8	0.7	0.6	0.8					
G118.0	0.8	0.8	0.8	0.7	0.8					
G119.0	0.8	0.9	0.8	0.7	0.8					
G120.0	0.8	0.9	0.8	0.8	0.8					
G121.0	0.9	0.9	0.8	0.8	0.9					
G122.0	0.9	1.0	0.9	0.8	0.9					
G123.0	0.9	1.0	0.9	0.9	0.9					
G124.0	1.0	1.0	0.9	0.9	1.0					
G125.0	1.0	1.1	1.0	0.9	1.0					
G126.0	1.1	1.1	1.0	1.0	1.1					
G127.0	1.1	1.2	1.1	1.1	1.1					
G128.0	1.1	1.2	1.1	1.0	1.1					
G129.0	1.2	1.2	1.1	1.0	1.2					
G130.0	1.2	1.3	1.1	1.0	1.2					
G131.0	1.3	1.3	1.1	1.1	1.3					
G132.0	1.3	1.3	1.2	1.2	1.3					
G133.0	1.4	1.4	1.2	1.2	1.4					
G134.0	1.4	1.4	1.3	1.2	1.4					
G135.0	1.4	1.4	1.3	1.3	1.4					
G136.0	1.4	1.5	1.4	1.3	1.4					
G137.0	1.4	1.5	1.4	1.3	1.4					
G138.0	1.5	1.5	1.4	1.4	1.5					
G139.0	1.5	1.6	1.5	1.4	1.5					
G140.0	1.6	1.6	1.5	1.5	1.6					
G141.0	1.6	1.7	1.5	1.4	1.6					
G142.0	1.6	1.7	1.6	1.5	1.6					
G143.0	1.7	1.7	1.5	1.5	1.7					
G144.0	1.7	1.7	1.6	1.5	1.7					
G145.0	1.7	1.8	1.6	1.5	1.7					
G146.0	1.7	1.7	1.6	1.6	1.7					
G147.0	1.8	1.8	1.7	1.6	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: 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	1.7	1.7	1.9					
G149.0	1.9	1.8	1.8	1.7	1.9					
G150.0	1.9	1.9	1.8	1.8	1.9					
G151.0	2.0	1.9	1.8	1.8	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	2.0	1.9	1.9	2.0					
G155.0	2.0	2.0	2.0	1.9	2.0					
G156.0	2.0	2.1	2.0	2.0	2.0					
G157.0	2.0	2.0	2.1	1.9	2.0					
G158.0	2.1	2.1	2.1	2.0	2.1					
G159.0	2.1	2.1	2.1	2.0	2.1					
G160.0	2.2	2.1	2.1	2.1	2.2					
G161.0	2.2	2.0	2.1	2.1	2.2					
G162.0	2.1	2.2	2.2	2.1	2.1					
G163.0	2.2	2.2	2.2	2.2	2.2					
G164.0	2.2	2.2	2.2	2.2	2.2					
G165.0	2.3	2.3	2.3	2.2	2.3					
G166.0	2.2	2.3	2.3	2.2	2.2					
G167.0	2.3	2.3	2.3	2.2	2.3					
G168.0	2.3	2.3	2.3	2.2	2.3					
G169.0	2.3	2.3	2.3	2.3	2.3					
G170.0	2.4	2.3	2.4	2.3	2.4					
G171.0	2.3	2.3	2.4	2.3	2.3					
G172.0	2.3	2.3	2.4	2.3	2.3					
G173.0	2.3	2.3	2.4	2.3	2.3					
G174.0	2.4	2.4	2.4	2.4	2.4					
G175.0	2.4	2.4	2.3	2.4	2.4					
G176.0	2.3	2.4	2.4	2.3	2.3					
G177.0	2.4	2.4	2.4	2.4	2.4					
G178.0	2.4	2.4	2.4	2.4	2.4					
G179.0	2.4	2.4	2.5	2.4	2.4					
G180.0	2.4	2.4	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	66910.22
L 0-180(75) av	52182.07
L 0-180(85) av	24851.82
L 90-270(65) av	67161.21
L 90-270(75) av	52294.45
L 90-270(85) av	24243.29
L 45(65) av	67035.72
L 45(75) av	52238.26
L 45(85) av	24547.56

Standard: GB/T 29293-2012