Report No.:

Test Time: 2026-10-21 14:44

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm): -261
Luminous Height (mm):
Current: 0.210 A
Power Factor: 0.420

Luminaire Description: E24669
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -261
Voltage: 220.4 V
Power: 19.48 W

Photometric Results

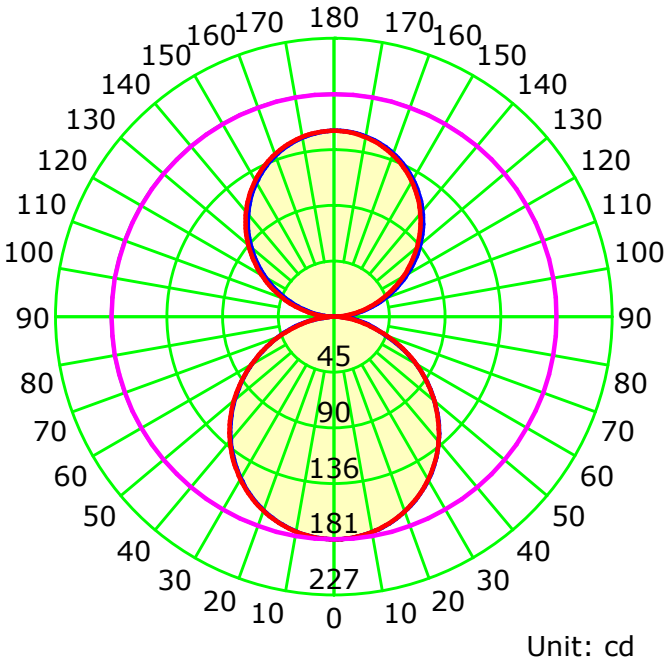
CIE Class: General Diffuse
Measurement Flux: 947.9 lm
Downward Ratio: 54%
Horizontal Diffuse Angle(50%): H111
Vertical Diffuse Angle(50%): V111.2
Luminaire Efficacy Rating (LER): 48.71
Max. Intensity: 181.7 cd
S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 947.9 lm
Efficiency: 100%
Upward Ratio: 46%

C0r0 Intensity: 181.67 cd
Pos of Max. Intensity: H90 V1
S/MH(C90/C270): 1.25

Picture Of Luminaire

Luminous Intensity Distribution Curve



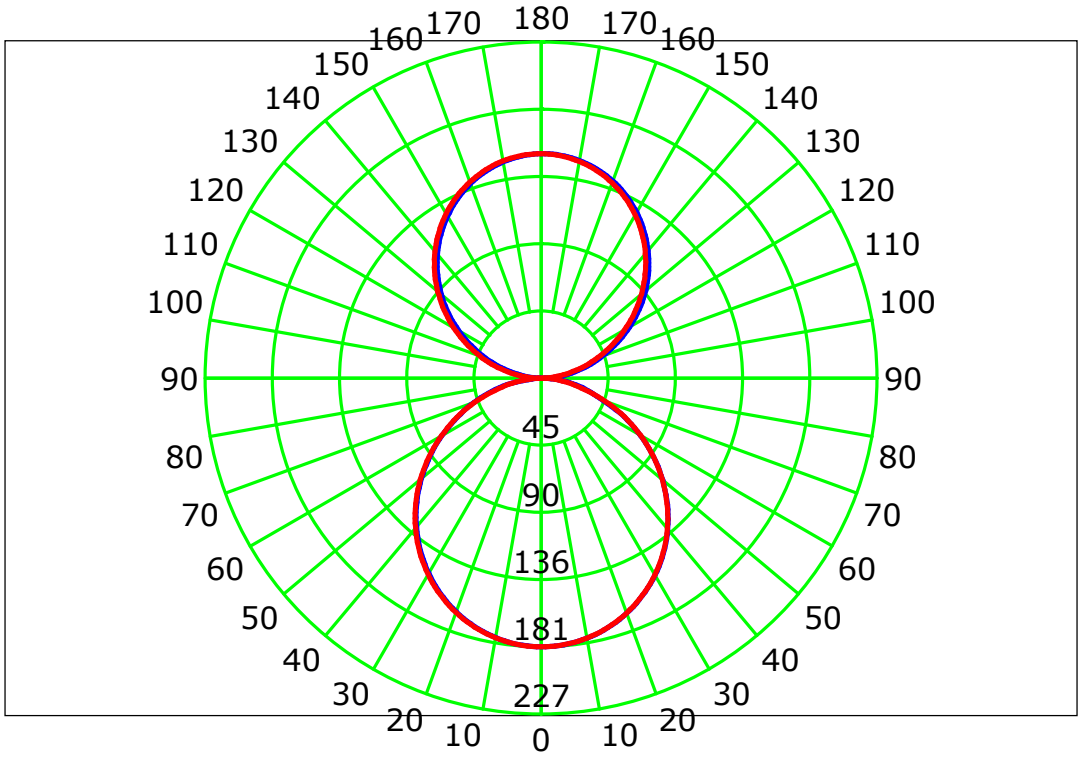
Unit: cd

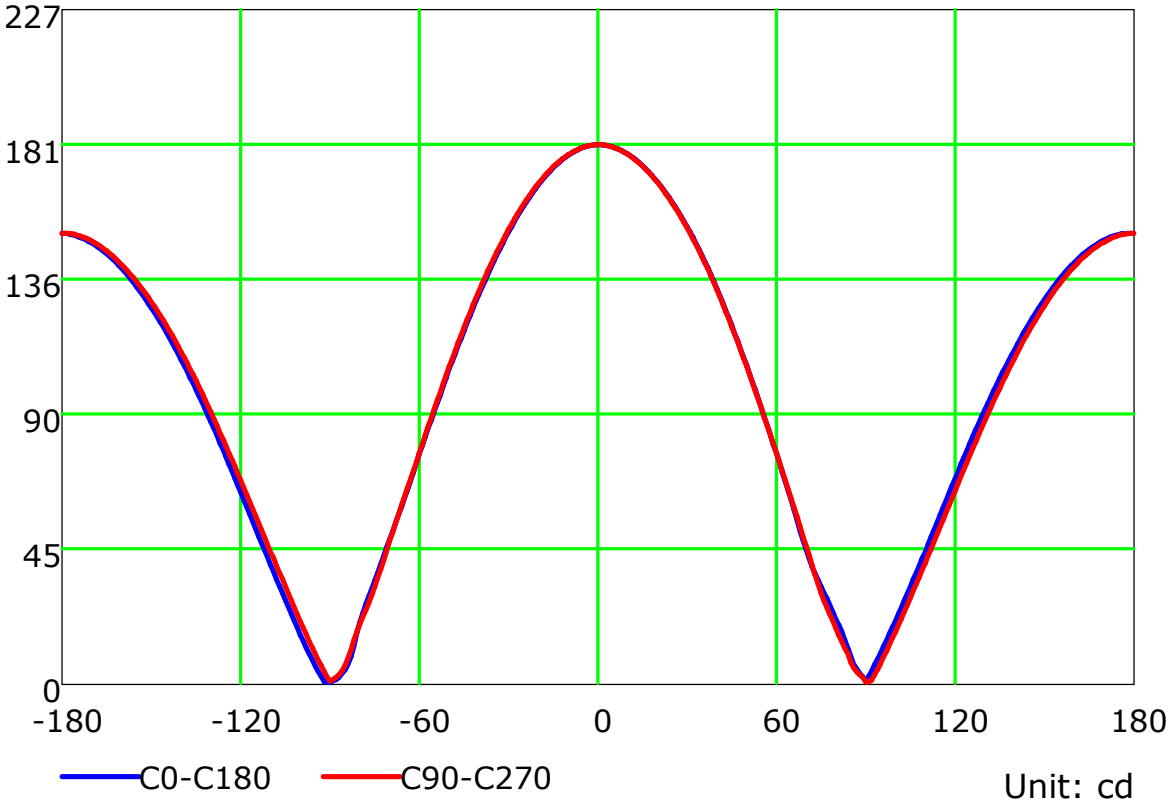
Average Diffuse Angle(50%): 111.1°

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

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

Luminous Intensity Distribution Curve





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

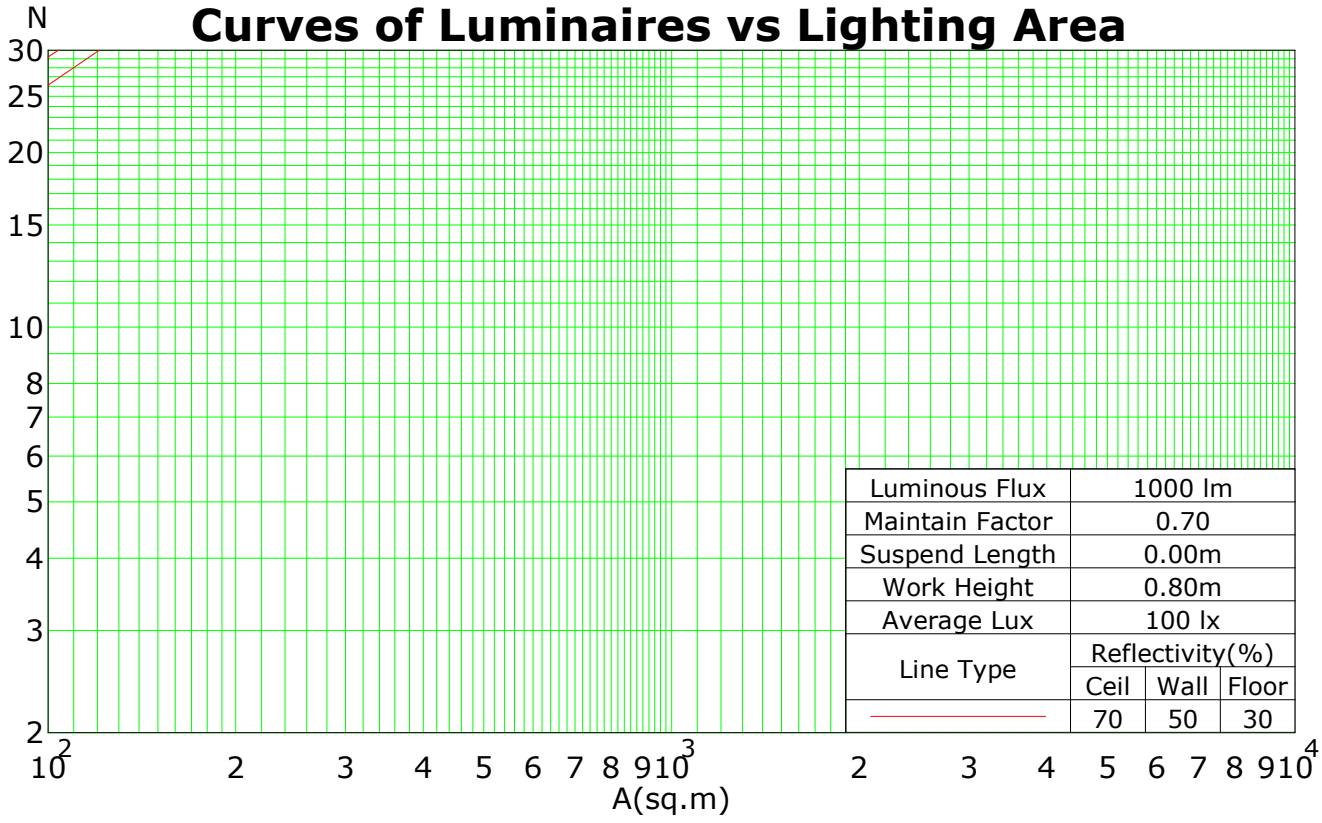
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.490 m [K=1.0000]
Humidity:
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.08	1.08	1.08	1.08	1.00	1.00	1.00	1.00	0.86	0.86	0.86	0.72	0.72	0.72	0.60	0.60	0.60	0.54
1	0.99	0.94	0.90	0.87	0.91	0.87	0.84	0.81	0.75	0.72	0.70	0.63	0.62	0.60	0.53	0.51	0.50	0.45
2	0.90	0.82	0.76	0.71	0.83	0.76	0.71	0.66	0.65	0.61	0.58	0.55	0.52	0.50	0.46	0.44	0.42	0.38
3	0.82	0.72	0.65	0.59	0.75	0.67	0.60	0.55	0.58	0.53	0.48	0.49	0.45	0.42	0.41	0.38	0.36	0.32
4	0.75	0.64	0.56	0.49	0.69	0.59	0.52	0.47	0.51	0.46	0.41	0.43	0.39	0.36	0.36	0.33	0.31	0.27
5	0.68	0.57	0.48	0.42	0.63	0.53	0.45	0.40	0.46	0.40	0.35	0.39	0.34	0.31	0.33	0.29	0.27	0.23
6	0.63	0.51	0.42	0.37	0.58	0.47	0.40	0.35	0.41	0.35	0.31	0.35	0.31	0.27	0.30	0.26	0.23	0.20
7	0.58	0.46	0.38	0.32	0.54	0.43	0.35	0.30	0.37	0.31	0.27	0.32	0.27	0.24	0.27	0.23	0.21	0.18
8	0.54	0.42	0.34	0.28	0.50	0.39	0.32	0.27	0.34	0.28	0.24	0.29	0.25	0.21	0.25	0.21	0.18	0.16
9	0.50	0.38	0.30	0.25	0.47	0.36	0.29	0.24	0.31	0.25	0.21	0.27	0.22	0.19	0.23	0.19	0.17	0.14
10	0.47	0.35	0.27	0.23	0.44	0.33	0.26	0.21	0.29	0.23	0.19	0.25	0.20	0.17	0.21	0.18	0.15	0.13

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.25
Spacing Criteria (Diagonal): 1.37

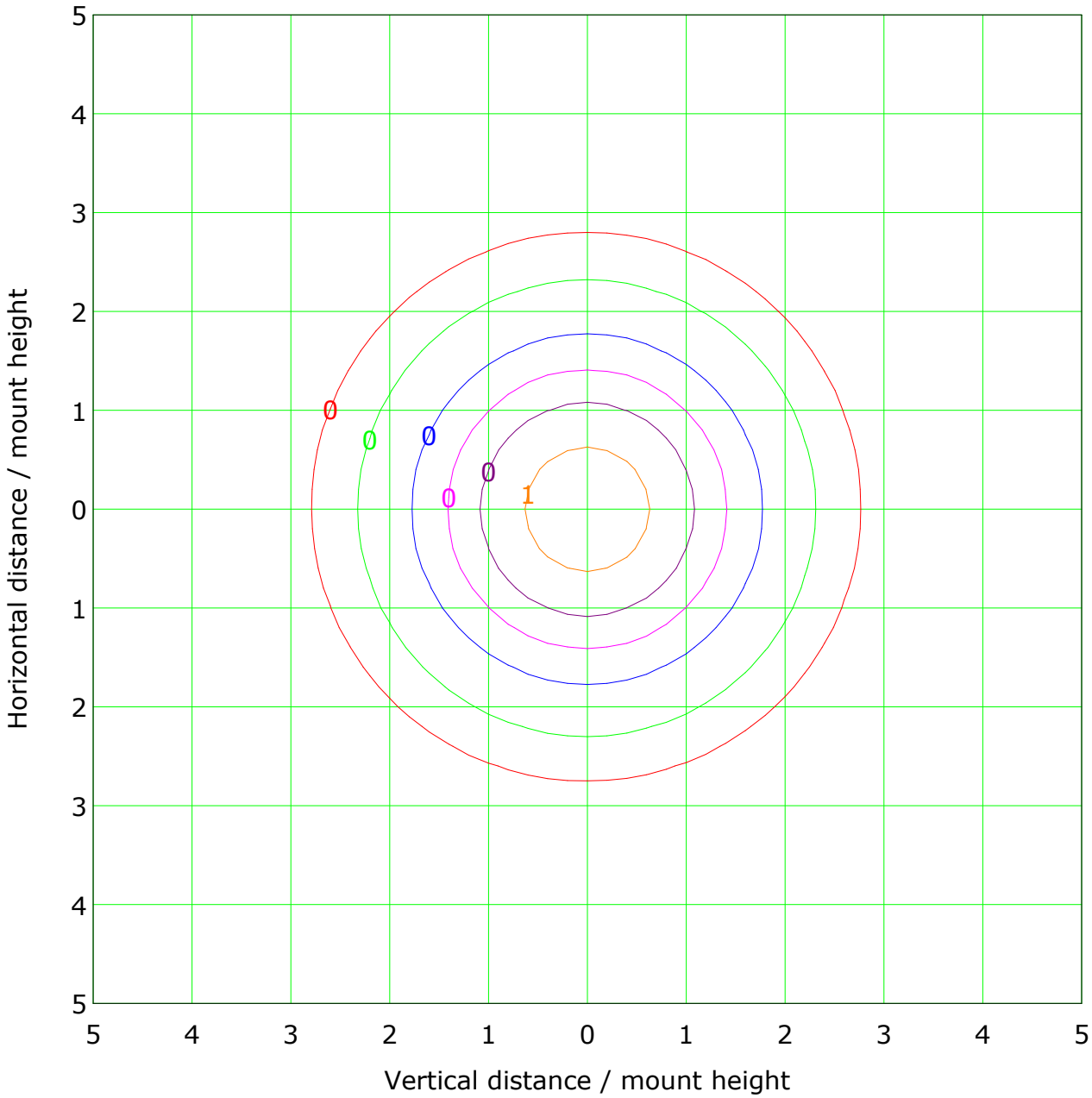
Curves of Luminaires vs Lighting Area



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

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

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 1.8 lx

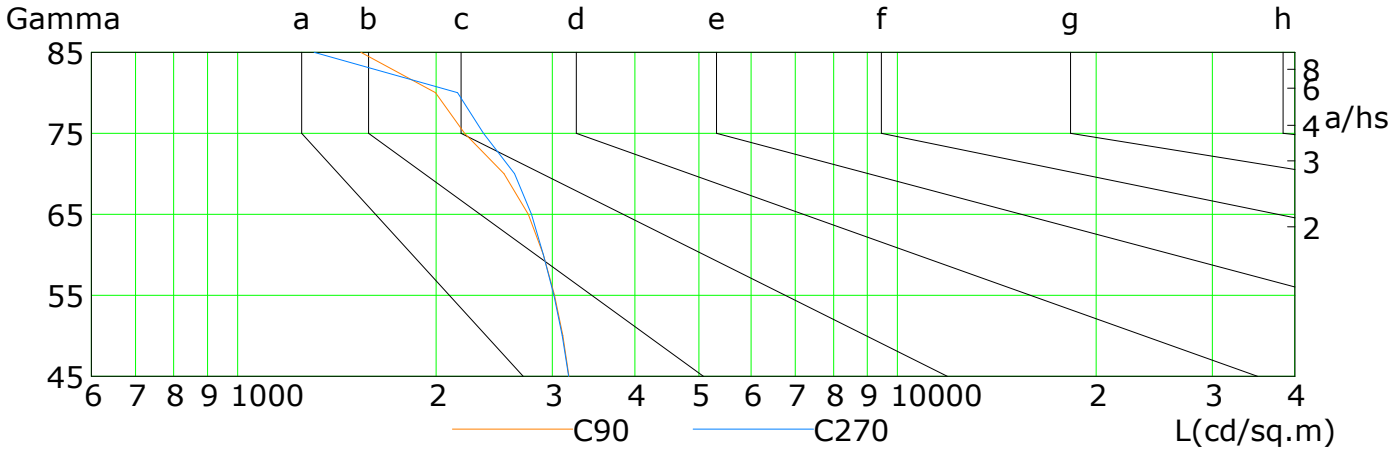
(1%): 0.0 lx	(2%): 0.0 lx
(5%): 0.1 lx	(10%): 0.2 lx
(20%): 0.4 lx	(50%): 0.9 lx
(100%): 1.8 lx	

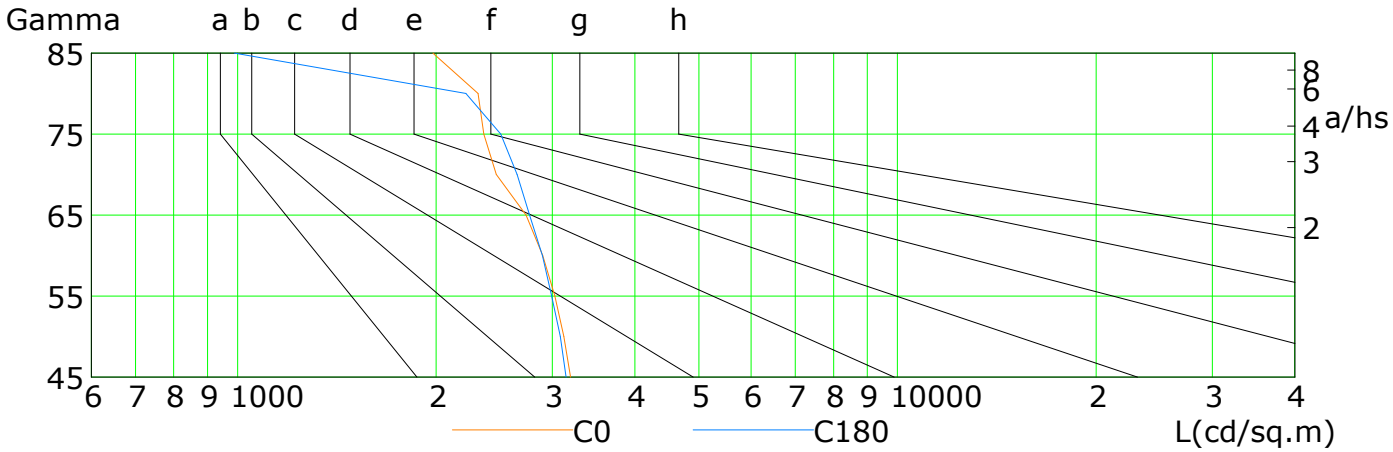
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: 张宇哲

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

Lum Limit Curve

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



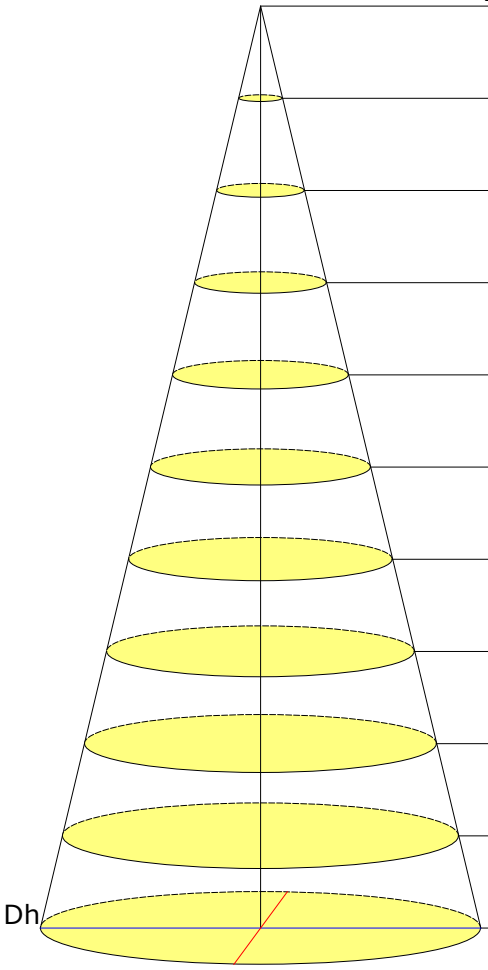


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3195	3121	3025	2900	2735	2465	2362	2315	1977
C90	3178	3112	3021	2905	2758	2532	2209	1996	1538
C180	3145	3084	2993	2897	2771	2651	2504	2217	989
C270	3174	3106	3017	2906	2788	2630	2359	2154	1306

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

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

Illuminance at a Distance



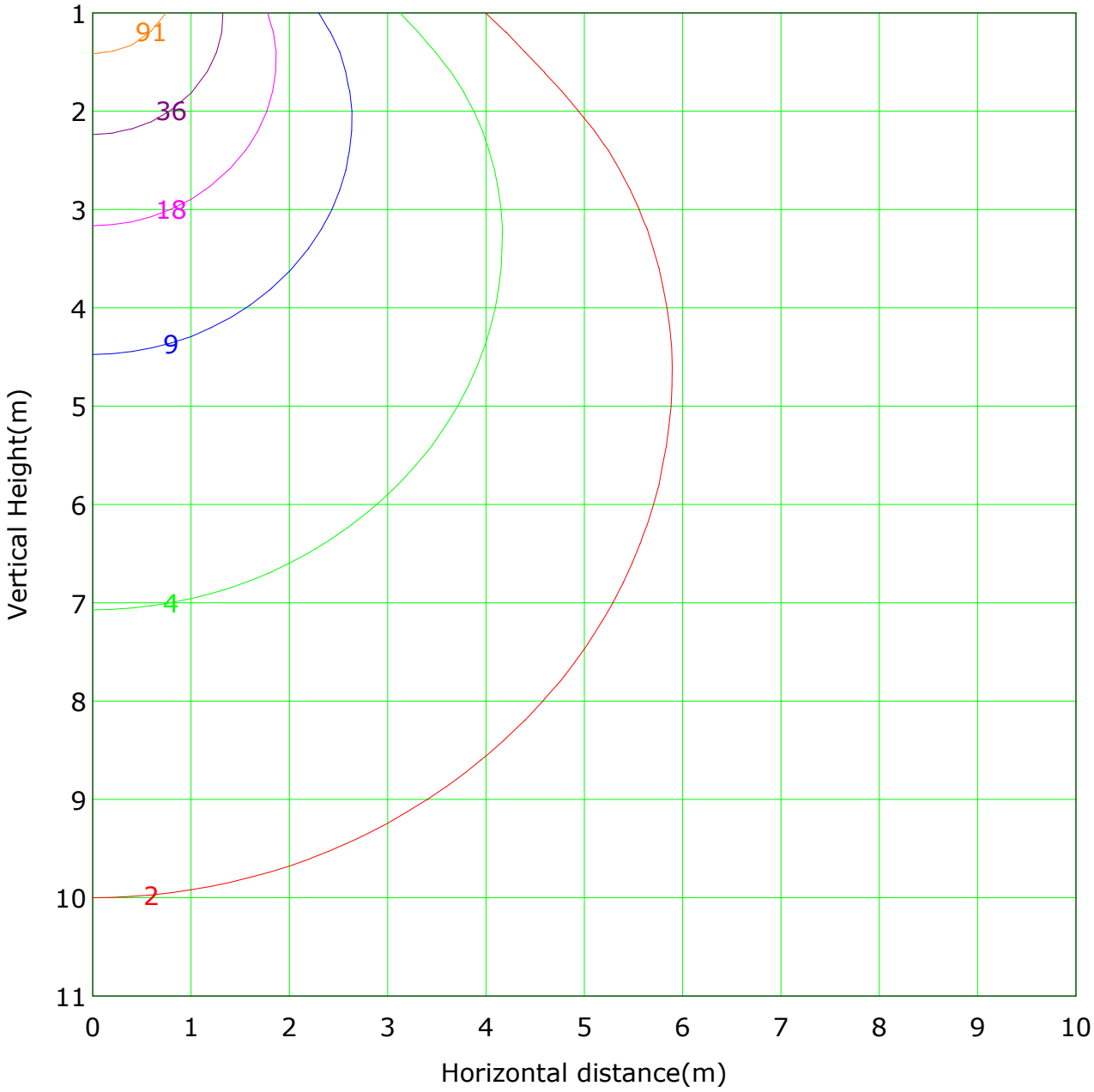
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	181.67	2.91/2.92	6.7	32.64
2.0	45.42	5.82/5.84	26.7	8.16
3.0	20.19	8.73/8.76	60.1	3.63
4.0	11.35	11.64/11.68	106.8	2.04
5.0	7.27	14.55/14.60	166.9	1.31
6.0	5.05	17.46/17.52	240.3	0.91
7.0	3.71	20.37/20.44	327.1	0.67
8.0	2.84	23.28/23.36	427.2	0.51
9.0	2.24	26.19/26.28	540.7	0.40
10.0	1.82	29.10/29.20	667.5	0.33

Beam Angle(B): H111.0 V111.2 Field Angle(F): H162.4 V160.9

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

Vertical IsoLux Plot



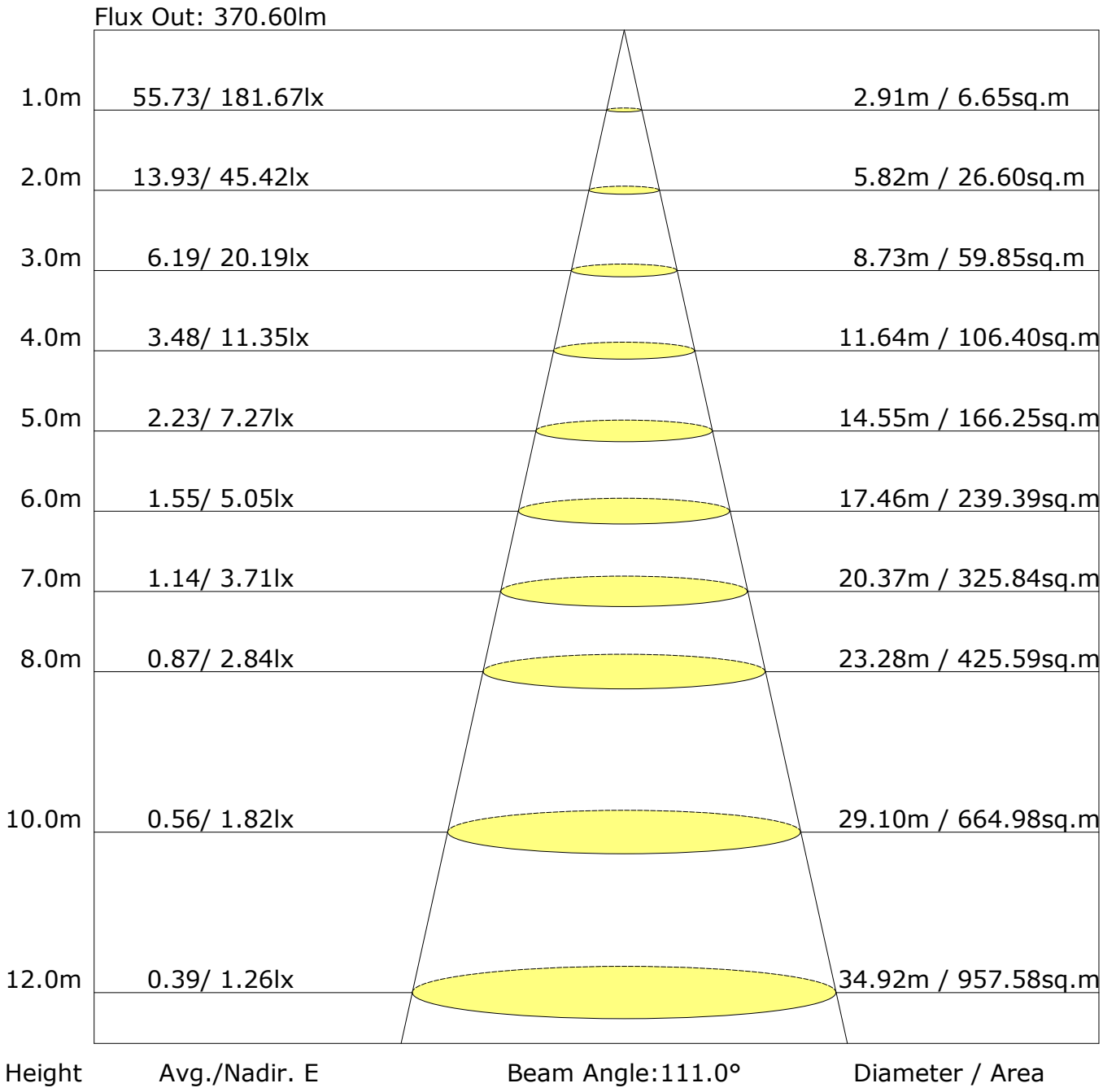
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 181.7 lx

(1%): 1.8 lx
(2%): 3.6 lx
(5%): 9.1 lx
(10%): 18.2 lx
(20%): 36.3 lx
(50%): 90.8 lx
(100%): 181.7 lx

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

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

The Average Illuminance Effective Figure



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

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

UGR Table

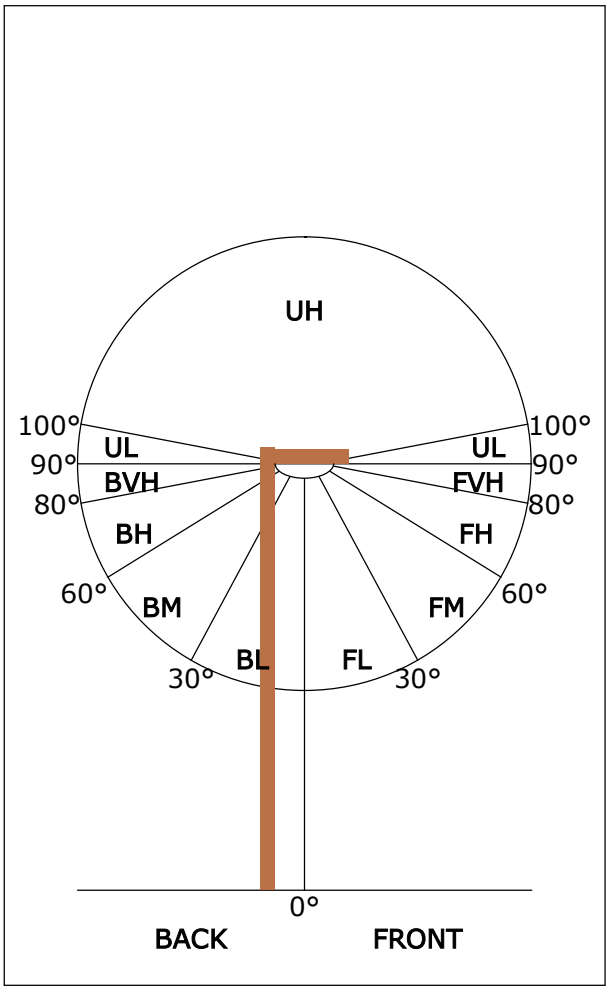
Reflectance: Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	13.4	14.3	14.2	15.1	16.2	13.4	14.3	14.3	15.1	16.2
3H	14.7	15.5	15.6	16.4	17.5	14.8	15.6	15.7	16.4	17.5
4H	15.2	16.0	16.1	16.8	18.0	15.3	16.0	16.2	16.9	18.0
6H	15.7	16.3	16.6	17.2	18.4	15.6	16.3	16.5	17.2	18.4
8H	15.8	16.5	16.8	17.4	18.6	15.7	16.4	16.7	17.3	18.5
12H	15.9	16.5	16.9	17.5	18.6	15.8	16.4	16.7	17.3	18.5
X=4H Y=2H	13.9	14.6	14.8	15.5	16.6	13.9	14.6	14.8	15.5	16.6
3H	15.4	16.0	16.3	16.9	18.1	15.4	16.0	16.4	17.0	18.1
4H	16.0	16.5	17.0	17.5	18.7	16.0	16.6	17.0	17.5	18.7
6H	16.6	17.0	17.5	18.0	19.2	16.5	17.0	17.5	17.9	19.2
8H	16.8	17.2	17.8	18.2	19.4	16.7	17.1	17.6	18.1	19.3
12H	16.9	17.3	17.9	18.3	19.5	16.7	17.1	17.7	18.1	19.3
X=8H Y=4H	16.2	16.6	17.2	17.6	18.8	16.2	16.6	17.2	17.6	18.8
6H	16.9	17.2	17.9	18.2	19.5	16.8	17.2	17.8	18.2	19.4
8H	17.2	17.5	18.2	18.5	19.8	17.1	17.4	18.1	18.4	19.6
12H	17.4	17.7	18.4	18.7	20.0	17.2	17.4	18.2	18.5	19.8
X=12H Y=4H	16.2	16.6	17.2	17.5	18.8	16.2	16.6	17.2	17.6	18.8
6H	16.9	17.2	17.9	18.2	19.5	16.9	17.2	17.9	18.2	19.5
8H	17.3	17.5	18.3	18.5	19.9	17.1	17.4	18.2	18.4	19.7
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.5					+0.3/-0.5				
S=2.0H	+0.6/-0.9					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 948lm (8log(F/F0) = -0.2).

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

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

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	256	27.0
FL (0°-30°)	71	7.4
FM (30°-60°)	133	14.0
FH (60°-80°)	48	5.1
FVH (80°-90°)	5	0.5
BACK LIGHT	255	26.9
BL (0°-30°)	70	7.4
BM (30°-60°)	132	13.9
BH (60°-80°)	49	5.1
BVH (80°-90°)	4	0.4
UP LIGHT	436	46.0
UL (90°-100°)	9	1.0
UH (100°-180°)	427	45.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U3 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U3 G0

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

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

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	181.6	0.2	0.2	0.02	0.02
1.0-2.0	181.6	0.5	0.7	0.05	0.07
2.0-3.0	181.4	0.9	1.6	0.09	0.16
3.0-4.0	181.2	1.2	2.8	0.13	0.29
4.0-5.0	181.0	1.6	4.3	0.16	0.46
5.0-6.0	180.6	1.9	6.2	0.20	0.66
6.0-7.0	180.2	2.2	8.5	0.24	0.89
7.0-8.0	179.8	2.6	11.0	0.27	1.16
8.0-9.0	179.2	2.9	13.9	0.31	1.47
9.0-10.0	178.7	3.2	17.2	0.34	1.81
10.0-11.0	178.0	3.6	20.7	0.38	2.19
11.0-12.0	177.3	3.9	24.6	0.41	2.60
12.0-13.0	176.5	4.2	28.8	0.44	3.04
13.0-14.0	175.7	4.5	33.3	0.47	3.51
14.0-15.0	174.8	4.8	38.1	0.51	4.02
15.0-16.0	173.8	5.1	43.2	0.54	4.56
16.0-17.0	172.8	5.4	48.6	0.57	5.12
17.0-18.0	171.7	5.7	54.2	0.60	5.72
18.0-19.0	170.6	5.9	60.2	0.63	6.35
19.0-20.0	169.3	6.2	66.4	0.65	7.00
20.0-21.0	168.1	6.5	72.8	0.68	7.68
21.0-22.0	166.8	6.7	79.5	0.71	8.39
22.0-23.0	165.4	6.9	86.5	0.73	9.12
23.0-24.0	163.9	7.2	93.6	0.76	9.88
24.0-25.0	162.4	7.4	101.0	0.78	10.66
25.0-26.0	160.9	7.6	108.6	0.80	11.46
26.0-27.0	159.3	7.8	116.4	0.82	12.28
27.0-28.0	157.7	8.0	124.4	0.84	13.12
28.0-29.0	155.9	8.2	132.6	0.86	13.98
29.0-30.0	154.1	8.3	140.9	0.88	14.86
30.0-31.0	152.4	8.5	149.4	0.89	15.76
31.0-32.0	150.5	8.6	158.0	0.91	16.67
32.0-33.0	148.5	8.8	166.7	0.92	17.59
33.0-34.0	146.6	8.9	175.6	0.94	18.53
34.0-35.0	144.6	9.0	184.6	0.95	19.47
35.0-36.0	142.5	9.1	193.7	0.96	20.43

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

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

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	140.3	9.2	202.8	0.97	21.40
37.0-38.0	138.1	9.2	212.0	0.97	22.37
38.0-39.0	135.9	9.3	221.3	0.98	23.35
39.0-40.0	133.5	9.3	230.6	0.98	24.33
40.0-41.0	131.2	9.3	240.0	0.99	25.32
41.0-42.0	128.9	9.4	249.3	0.99	26.30
42.0-43.0	126.4	9.4	258.7	0.99	27.29
43.0-44.0	123.9	9.4	268.0	0.99	28.28
44.0-45.0	121.4	9.3	277.4	0.98	29.26
45.0-46.0	118.7	9.3	286.7	0.98	30.24
46.0-47.0	116.2	9.2	295.9	0.97	31.22
47.0-48.0	113.5	9.2	305.1	0.97	32.18
48.0-49.0	110.7	9.1	314.2	0.96	33.14
49.0-50.0	108.1	9.0	323.2	0.95	34.10
50.0-51.0	105.3	8.9	332.1	0.94	35.04
51.0-52.0	102.5	8.8	340.9	0.93	35.96
52.0-53.0	99.7	8.7	349.6	0.91	36.88
53.0-54.0	96.8	8.5	358.1	0.90	37.78
54.0-55.0	93.9	8.4	366.5	0.88	38.66
55.0-56.0	91.0	8.2	374.7	0.87	39.53
56.0-57.0	88.0	8.1	382.8	0.85	40.38
57.0-58.0	85.2	7.9	390.6	0.83	41.21
58.0-59.0	82.2	7.7	398.3	0.81	42.02
59.0-60.0	79.1	7.5	405.8	0.79	42.81
60.0-61.0	76.1	7.3	413.1	0.77	43.58
61.0-62.0	73.0	7.0	420.1	0.74	44.32
62.0-63.0	70.0	6.8	426.9	0.72	45.04
63.0-64.0	67.0	6.6	433.5	0.69	45.73
64.0-65.0	63.9	6.3	439.8	0.67	46.40
65.0-66.0	60.9	6.1	445.9	0.64	47.04
66.0-67.0	57.8	5.8	451.7	0.61	47.65
67.0-68.0	54.6	5.5	457.2	0.58	48.24
68.0-69.0	51.6	5.3	462.5	0.55	48.79
69.0-70.0	48.5	5.0	467.5	0.53	49.32
70.0-71.0	45.5	4.7	472.2	0.50	49.81
71.0-72.0	42.5	4.4	476.6	0.47	50.28

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

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

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	39.6	4.1	480.7	0.44	50.72
73.0-74.0	36.8	3.9	484.6	0.41	51.13
74.0-75.0	34.0	3.6	488.2	0.38	51.51
75.0-76.0	31.4	3.3	491.5	0.35	51.86
76.0-77.0	28.9	3.1	494.6	0.33	52.18
77.0-78.0	26.5	2.8	497.5	0.30	52.48
78.0-79.0	24.1	2.6	500.1	0.27	52.75
79.0-80.0	21.6	2.3	502.4	0.25	53.00
80.0-81.0	18.9	2.0	504.4	0.22	53.22
81.0-82.0	16.2	1.8	506.2	0.19	53.40
82.0-83.0	13.3	1.4	507.6	0.15	53.55
83.0-84.0	10.5	1.1	508.8	0.12	53.67
84.0-85.0	8.0	0.9	509.6	0.09	53.77
85.0-86.0	5.9	0.6	510.3	0.07	53.83
86.0-87.0	4.2	0.5	510.8	0.05	53.88
87.0-88.0	3.0	0.3	511.1	0.03	53.92
88.0-89.0	2.1	0.2	511.3	0.02	53.94
89.0-90.0	1.2	0.1	511.4	0.01	53.96
90.0-91.0	1.0	0.1	511.6	0.01	53.97
91.0-92.0	2.0	0.2	511.8	0.02	53.99
92.0-93.0	3.5	0.4	512.1	0.04	54.03
93.0-94.0	5.4	0.6	512.7	0.06	54.09
94.0-95.0	7.3	0.8	513.5	0.08	54.18
95.0-96.0	9.3	1.0	514.5	0.11	54.28
96.0-97.0	11.4	1.2	515.8	0.13	54.42
97.0-98.0	13.5	1.5	517.3	0.16	54.57
98.0-99.0	15.7	1.7	519.0	0.18	54.75
99.0-100.0	17.9	1.9	520.9	0.20	54.95
100.0-101.0	20.2	2.2	523.1	0.23	55.18
101.0-102.0	22.4	2.4	525.5	0.25	55.44
102.0-103.0	24.7	2.6	528.1	0.28	55.72
103.0-104.0	27.1	2.9	531.0	0.30	56.02
104.0-105.0	29.5	3.1	534.2	0.33	56.35
105.0-106.0	31.8	3.4	537.5	0.35	56.71
106.0-107.0	34.2	3.6	541.1	0.38	57.09
107.0-108.0	36.5	3.8	544.9	0.40	57.49

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

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

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	38.9	4.0	549.0	0.43	57.92
109.0-110.0	41.3	4.3	553.2	0.45	58.37
110.0-111.0	43.6	4.5	557.7	0.47	58.84
111.0-112.0	46.1	4.7	562.4	0.50	59.33
112.0-113.0	48.4	4.9	567.3	0.52	59.85
113.0-114.0	50.9	5.1	572.4	0.54	60.39
114.0-115.0	53.4	5.3	577.8	0.56	60.95
115.0-116.0	55.7	5.5	583.3	0.58	61.53
116.0-117.0	58.2	5.7	589.0	0.60	62.14
117.0-118.0	60.7	5.9	594.9	0.62	62.76
118.0-119.0	63.1	6.1	601.0	0.64	63.40
119.0-120.0	65.5	6.3	607.2	0.66	64.06
120.0-121.0	67.9	6.4	613.6	0.68	64.74
121.0-122.0	70.3	6.6	620.2	0.69	65.43
122.0-123.0	72.7	6.7	626.9	0.71	66.14
123.0-124.0	75.1	6.9	633.8	0.72	66.87
124.0-125.0	77.5	7.0	640.8	0.74	67.60
125.0-126.0	79.8	7.1	647.9	0.75	68.36
126.0-127.0	82.1	7.2	655.2	0.76	69.12
127.0-128.0	84.4	7.3	662.5	0.77	69.89
128.0-129.0	86.7	7.4	670.0	0.79	70.68
129.0-130.0	89.0	7.5	677.5	0.79	71.47
130.0-131.0	91.2	7.6	685.1	0.80	72.28
131.0-132.0	93.3	7.7	692.8	0.81	73.08
132.0-133.0	95.5	7.7	700.5	0.81	73.90
133.0-134.0	97.7	7.8	708.2	0.82	74.72
134.0-135.0	99.8	7.8	716.1	0.82	75.54
135.0-136.0	101.9	7.8	723.9	0.83	76.37
136.0-137.0	103.9	7.8	731.7	0.83	77.20
137.0-138.0	105.9	7.8	739.6	0.83	78.02
138.0-139.0	107.9	7.8	747.4	0.83	78.85
139.0-140.0	109.8	7.8	755.2	0.82	79.68
140.0-141.0	111.7	7.8	763.0	0.82	80.50
141.0-142.0	113.6	7.8	770.8	0.82	81.32
142.0-143.0	115.5	7.7	778.5	0.81	82.13
143.0-144.0	117.3	7.7	786.2	0.81	82.94

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

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

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	119.0	7.6	793.7	0.80	83.74
145.0-146.0	120.8	7.5	801.2	0.79	84.53
146.0-147.0	122.5	7.4	808.6	0.78	85.31
147.0-148.0	124.1	7.3	816.0	0.77	86.08
148.0-149.0	125.7	7.2	823.2	0.76	86.84
149.0-150.0	127.2	7.1	830.2	0.75	87.59
150.0-151.0	128.7	7.0	837.2	0.73	88.32
151.0-152.0	130.2	6.8	844.0	0.72	89.04
152.0-153.0	131.6	6.7	850.7	0.70	89.74
153.0-154.0	133.0	6.5	857.2	0.69	90.43
154.0-155.0	134.3	6.3	863.5	0.67	91.10
155.0-156.0	135.6	6.2	869.7	0.65	91.75
156.0-157.0	136.9	6.0	875.7	0.63	92.38
157.0-158.0	138.1	5.8	881.5	0.61	92.99
158.0-159.0	139.2	5.6	887.1	0.59	93.58
159.0-160.0	140.3	5.4	892.5	0.57	94.15
160.0-161.0	141.4	5.2	897.6	0.55	94.70
161.0-162.0	142.4	5.0	902.6	0.52	95.22
162.0-163.0	143.4	4.7	907.3	0.50	95.72
163.0-164.0	144.3	4.5	911.8	0.47	96.19
164.0-165.0	145.1	4.3	916.1	0.45	96.64
165.0-166.0	145.9	4.0	920.1	0.42	97.07
166.0-167.0	146.7	3.8	923.8	0.40	97.46
167.0-168.0	147.4	3.5	927.3	0.37	97.83
168.0-169.0	148.1	3.2	930.6	0.34	98.17
169.0-170.0	148.7	3.0	933.5	0.31	98.49
170.0-171.0	149.2	2.7	936.2	0.28	98.77
171.0-172.0	149.7	2.4	938.7	0.26	99.03
172.0-173.0	150.2	2.2	940.8	0.23	99.25
173.0-174.0	150.6	1.9	942.7	0.20	99.45
174.0-175.0	150.9	1.6	944.3	0.17	99.62
175.0-176.0	151.3	1.3	945.6	0.14	99.76
176.0-177.0	151.5	1.0	946.6	0.11	99.86
177.0-178.0	151.6	0.7	947.3	0.08	99.94
178.0-179.0	151.7	0.4	947.7	0.05	99.98
179.0-180.0	151.8	0.1	947.9	0.02	100.00

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

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

Zonal Lumen (Continue 5)

cone flux(90°): 277.37 lm

%lum = 29.3%
%lamp = 29.3%

cone flux(120°): 405.79 lm

%lum = 42.8%
%lamp = 42.8%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	181.7	181.6	181.7	181.6	181.7					
G1.0	181.7	181.7	181.6	181.6	181.7					
G2.0	181.6	181.6	181.5	181.4	181.6					
G3.0	181.4	181.4	181.3	181.3	181.4					
G4.0	181.1	181.1	181.0	181.1	181.1					
G5.0	180.9	180.9	180.7	180.8	180.9					
G6.0	180.5	180.5	180.3	180.4	180.5					
G7.0	180.1	180.1	179.9	179.9	180.1					
G8.0	179.7	179.6	179.3	179.5	179.7					
G9.0	179.1	179.1	178.8	178.9	179.1					
G10.0	178.5	178.6	178.1	178.3	178.5					
G11.0	177.9	177.8	177.3	177.5	177.9					
G12.0	177.2	177.1	176.7	176.9	177.2					
G13.0	176.4	176.3	175.7	176.0	176.4					
G14.0	175.5	175.4	174.8	175.1	175.5					
G15.0	174.6	174.5	174.0	174.3	174.6					
G16.0	173.7	173.4	172.8	173.2	173.7					
G17.0	172.6	172.5	171.7	172.2	172.6					
G18.0	171.6	171.4	170.7	171.1	171.6					
G19.0	170.3	170.2	169.4	169.8	170.3					
G20.0	169.1	169.0	168.1	168.6	169.1					
G21.0	167.9	167.7	166.8	167.4	167.9					
G22.0	166.6	166.4	165.4	166.0	166.6					
G23.0	165.2	165.0	164.0	164.6	165.2					
G24.0	163.8	163.5	162.4	163.0	163.8					
G25.0	162.2	161.9	161.0	161.5	162.2					
G26.0	160.8	160.5	159.4	160.1	160.8					
G27.0	159.1	158.9	157.7	158.3	159.1					
G28.0	157.5	157.1	155.9	156.7	157.5					
G29.0	155.8	155.4	154.0	154.9	155.8					
G30.0	153.9	153.6	152.3	153.1	153.9					
G31.0	152.2	151.9	150.5	151.3	152.2					
G32.0	150.4	149.8	148.4	149.3	150.4					
G33.0	148.4	148.1	146.5	147.5	148.4					
G34.0	146.4	146.0	144.5	145.5	146.4					
G35.0	144.3	143.9	142.4	143.4	144.3					
G36.0	142.3	141.8	140.3	141.3	142.3					

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

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	140.1	139.8	138.0	139.2	140.1					
G38.0	137.8	137.4	135.7	136.8	137.8					
G39.0	135.6	135.3	133.6	134.7	135.6					
G40.0	133.1	132.7	131.2	132.2	133.1					
G41.0	130.8	130.5	129.0	130.0	130.8					
G42.0	128.4	128.0	126.6	127.7	128.4					
G43.0	125.9	125.5	124.0	125.0	125.9					
G44.0	123.4	123.1	121.7	122.6	123.4					
G45.0	120.9	120.2	119.0	120.1	120.9					
G46.0	118.0	117.8	116.4	117.5	118.0					
G47.0	115.5	115.2	114.0	114.9	115.5					
G48.0	112.6	112.4	111.1	112.1	112.6					
G49.0	110.0	109.7	108.6	109.4	110.0					
G50.0	107.3	107.0	106.1	106.8	107.3					
G51.0	104.3	104.2	103.0	104.0	104.3					
G52.0	101.6	101.4	100.4	101.3	101.6					
G53.0	99.0	98.5	97.2	98.2	99.0					
G54.0	95.8	95.5	94.6	95.5	95.8					
G55.0	92.8	92.7	91.8	92.6	92.8					
G56.0	89.8	89.6	88.8	89.6	89.8					
G57.0	86.8	86.7	86.3	86.8	86.8					
G58.0	83.8	83.8	83.2	83.9	83.8					
G59.0	80.6	80.8	80.4	80.8	80.6					
G60.0	77.6	77.7	77.5	77.7	77.6					
G61.0	74.7	74.6	74.3	74.6	74.7					
G62.0	71.2	71.7	71.3	71.8	71.2					
G63.0	68.2	68.7	68.4	68.9	68.2					
G64.0	64.8	65.3	65.3	66.0	64.8					
G65.0	61.8	62.4	62.7	63.0	61.8					
G66.0	58.5	59.3	59.6	60.3	58.5					
G67.0	54.8	56.1	56.9	56.9	54.8					
G68.0	51.3	52.8	54.2	54.1	51.3					
G69.0	48.4	49.5	51.3	50.9	48.4					
G70.0	45.1	46.3	48.5	48.1	45.1					
G71.0	42.3	43.3	45.9	44.7	42.3					
G72.0	39.5	40.0	43.0	41.6	39.5					
G73.0	37.2	36.8	40.3	38.7	37.2					

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

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

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	35.0	33.7	37.3	35.7	35.0					
G75.0	32.7	30.6	34.7	32.7	32.7					
G76.0	30.6	28.0	32.0	30.0	30.6					
G77.0	28.7	25.6	29.3	27.2	28.7					
G78.0	26.3	23.3	26.7	24.8	26.3					
G79.0	24.1	21.2	23.8	22.6	24.1					
G80.0	21.5	18.5	20.6	20.0	21.5					
G81.0	19.6	16.3	17.1	17.4	19.6					
G82.0	17.5	14.2	12.8	14.8	17.5					
G83.0	14.8	12.1	9.1	11.3	14.8					
G84.0	11.9	10.1	6.5	8.5	11.9					
G85.0	9.2	7.2	4.6	6.1	9.2					
G86.0	6.6	5.3	3.5	4.4	6.6					
G87.0	4.9	3.9	2.1	3.0	4.9					
G88.0	3.4	3.0	1.4	2.1	3.4					
G89.0	2.4	2.2	1.1	1.5	2.4					
G90.0	0.8	0.6	0.4	0.9	0.8					
G91.0	2.4	0.6	0.4	2.3	2.4					
G92.0	4.1	1.1	0.7	4.1	4.1					
G93.0	6.3	3.0	2.4	6.0	6.3					
G94.0	8.3	4.8	4.2	8.0	8.3					
G95.0	10.2	6.7	6.0	10.0	10.2					
G96.0	12.4	9.0	8.0	12.2	12.4					
G97.0	14.5	11.0	10.0	14.2	14.5					
G98.0	16.9	13.2	12.0	16.6	16.9					
G99.0	18.9	15.3	14.3	18.7	18.9					
G100.0	21.1	17.4	16.5	21.0	21.1					
G101.0	23.4	19.8	18.9	23.3	23.4					
G102.0	25.6	21.9	21.1	25.5	25.6					
G103.0	28.0	24.2	23.4	27.9	28.0					
G104.0	30.4	26.6	25.9	30.4	30.4					
G105.0	32.6	28.9	28.2	32.8	32.6					
G106.0	35.2	31.4	30.4	35.2	35.2					
G107.0	37.4	33.7	33.0	37.4	37.4					
G108.0	39.6	35.9	35.2	39.7	39.6					
G109.0	42.2	38.3	37.8	42.4	42.2					
G110.0	44.3	40.6	40.1	44.3	44.3					

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

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	47.0	43.3	42.6	46.8	47.0					
G112.0	49.4	45.4	44.9	49.2	49.4					
G113.0	51.8	47.9	47.3	51.6	51.8					
G114.0	54.3	50.4	49.7	54.2	54.3					
G115.0	56.8	52.8	52.2	56.5	56.8					
G116.0	59.1	55.0	54.7	58.7	59.1					
G117.0	61.7	57.7	57.2	61.3	61.7					
G118.0	64.2	60.1	59.6	63.7	64.2					
G119.0	66.7	62.4	61.9	65.9	66.7					
G120.0	69.0	64.9	64.6	68.5	69.0					
G121.0	71.2	67.3	66.9	70.8	71.2					
G122.0	73.9	69.9	69.3	73.3	73.9					
G123.0	76.2	72.2	71.7	75.5	76.2					
G124.0	78.5	74.6	74.1	77.8	78.5					
G125.0	80.9	77.0	76.5	80.1	80.9					
G126.0	83.3	79.3	79.0	82.4	83.3					
G127.0	85.7	81.6	81.1	84.5	85.7					
G128.0	87.7	84.0	83.8	87.0	87.7					
G129.0	90.0	86.3	85.9	89.1	90.0					
G130.0	92.3	88.7	88.2	91.5	92.3					
G131.0	94.3	90.8	90.3	93.5	94.3					
G132.0	96.4	92.9	92.5	95.7	96.4					
G133.0	98.7	95.2	94.8	97.9	98.7					
G134.0	100.7	97.4	96.9	99.9	100.7					
G135.0	102.9	99.3	99.0	102.1	102.9					
G136.0	104.9	101.7	101.2	104.1	104.9					
G137.0	106.8	103.7	103.1	105.9	106.8					
G138.0	108.8	105.8	105.3	108.1	108.8					
G139.0	110.7	107.7	107.2	109.8	110.7					
G140.0	112.5	109.6	109.1	111.8	112.5					
G141.0	114.4	111.8	111.2	113.7	114.4					
G142.0	116.2	113.6	112.9	115.4	116.2					
G143.0	118.1	115.6	114.7	117.4	118.1					
G144.0	119.8	117.3	116.7	119.0	119.8					
G145.0	121.4	119.1	118.4	120.6	121.4					
G146.0	123.2	120.8	120.2	122.4	123.2					
G147.0	124.8	122.4	121.8	124.0	124.8					

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

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

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	126.4	124.1	123.4	125.5	126.4					
G149.0	127.8	125.8	125.1	127.2	127.8					
G150.0	129.4	127.3	126.7	128.5	129.4					
G151.0	130.8	128.9	128.0	130.2	130.8					
G152.0	132.2	130.4	129.7	131.5	132.2					
G153.0	133.6	131.8	131.1	132.8	133.6					
G154.0	134.9	133.3	132.4	134.2	134.9					
G155.0	136.2	134.5	133.8	135.4	136.2					
G156.0	137.4	135.8	135.1	136.7	137.4					
G157.0	138.7	137.1	136.5	137.9	138.7					
G158.0	139.8	138.2	137.7	139.0	139.8					
G159.0	140.9	139.4	138.8	140.1	140.9					
G160.0	141.8	140.5	140.0	141.2	141.8					
G161.0	142.8	141.5	141.0	142.2	142.8					
G162.0	143.8	142.7	142.1	143.2	143.8					
G163.0	144.7	143.5	143.0	144.1	144.7					
G164.0	145.5	144.4	144.0	144.9	145.5					
G165.0	146.2	145.3	144.9	145.9	146.2					
G166.0	147.0	146.1	145.7	146.5	147.0					
G167.0	147.7	146.9	146.4	147.3	147.7					
G168.0	148.4	147.6	147.1	148.0	148.4					
G169.0	148.9	148.3	147.9	148.5	148.9					
G170.0	149.5	148.8	148.5	149.2	149.5					
G171.0	149.9	149.3	149.0	149.7	149.9					
G172.0	150.5	149.8	149.6	150.1	150.5					
G173.0	150.7	150.4	150.1	150.5	150.7					
G174.0	151.1	150.7	150.4	150.9	151.1					
G175.0	151.3	151.1	150.8	151.2	151.3					
G176.0	151.6	151.3	151.2	151.5	151.6					
G177.0	151.7	151.5	151.4	151.6	151.7					
G178.0	151.8	151.7	151.6	151.7	151.8					
G179.0	151.7	151.7	151.8	151.8	151.7					
G180.0	151.8	151.8	151.8	151.8	151.8					

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

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

LED Average Luminance Report

Avg.L	cd/m^2
L 0-180(65) av	2753.31
L 0-180(75) av	2433.32
L 0-180(85) av	1482.95
L 90-270(65) av	2772.77
L 90-270(75) av	2283.83
L 90-270(85) av	1421.83
L 45(65) av	2763.04
L 45(75) av	2358.57
L 45(85) av	1452.39

Standard: GB/T 29293-2012

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

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