

Report No.: BR202002014-22

Test Time: 2020-04-25 09:02

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: NB

Luminaire Description: MX811H-LD40WDD-4FT

Lamp Catalog: SLE40-I800 120-277W D1R Lamp Description: 2835/4000K

Number of Lamps: 2

Lumens per Lamp: 4810.07

Luminous Length (mm): 2395

Luminous Width (mm): 100

Luminous Height (mm): 85

Voltage: 119.0 V

Current: 0.360 A

Power: 81.79 W

Power Factor: 0.997

Photometric Results

CIE Class: Direct

Measurement Flux: 4810.7 lm

Downward Ratio: 49.41%

Field Angle: H157.7 V156.6

Luminaire Efficacy Rating (LER): 59

Max. Intensity: 1834.87 cd

Total Rated Lamp Lumens: 9620.1 lm

Efficiency: 50.01%

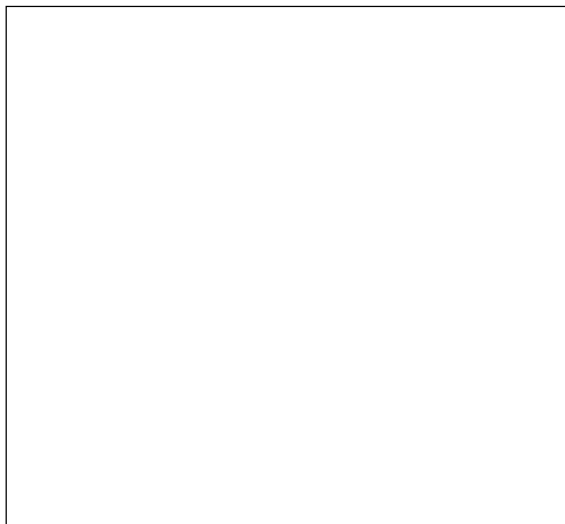
Upward Ratio: 0.59%

Beam Angle: H106.3 V103.2

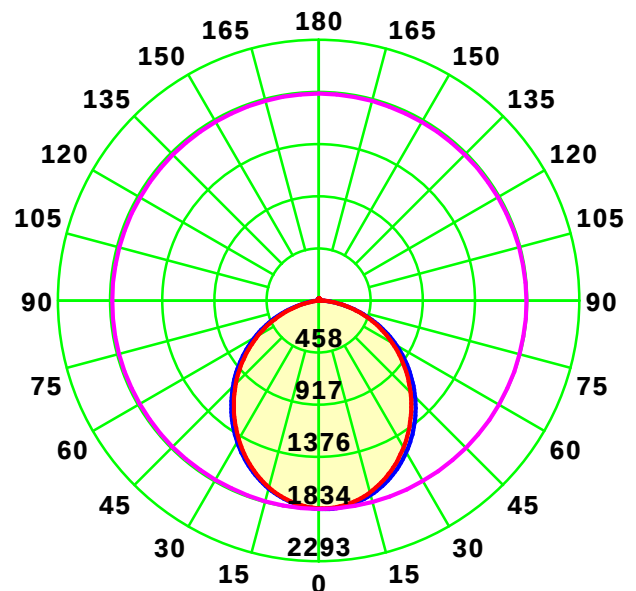
Central Intensity: 1832.57 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 104.8° Unit: cd

— C0-C180 — C90-C270 — G3

C Plane (°):0.0-360.0: 30.0

Test Lab: 80

Test Type: TYPE C

Temperature: 23

Operator: QIU

Gamma Plane (°):0.0-180.0:1.0

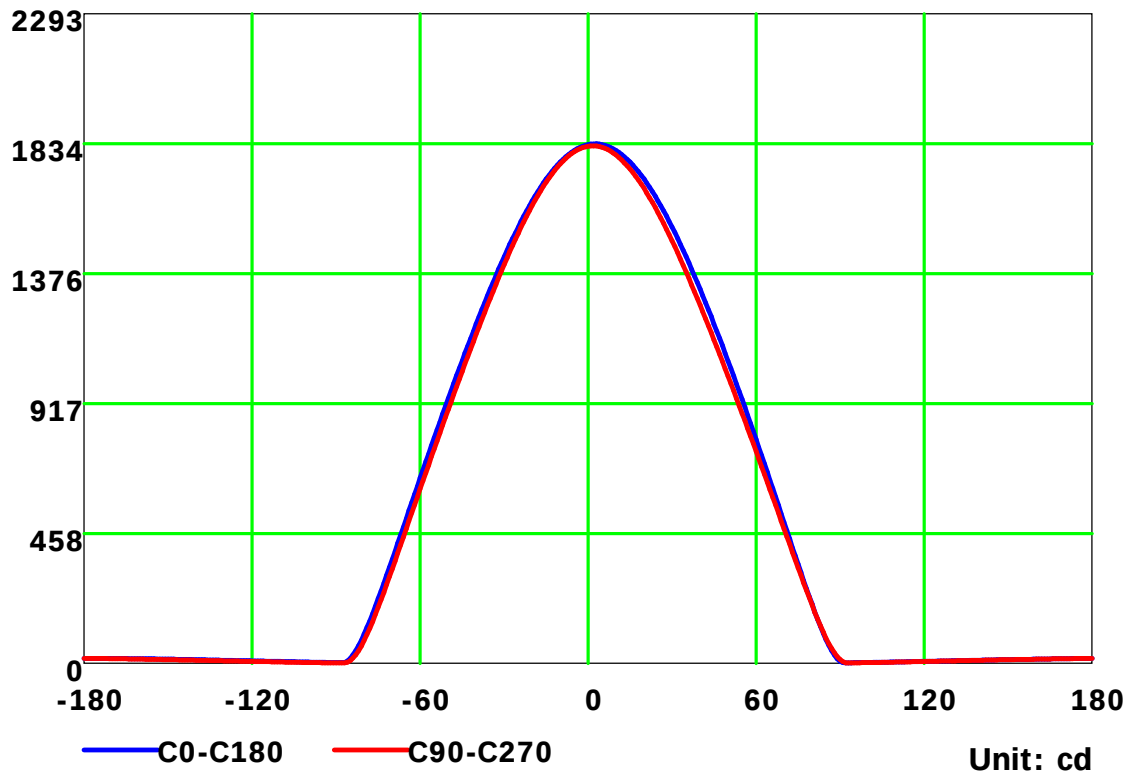
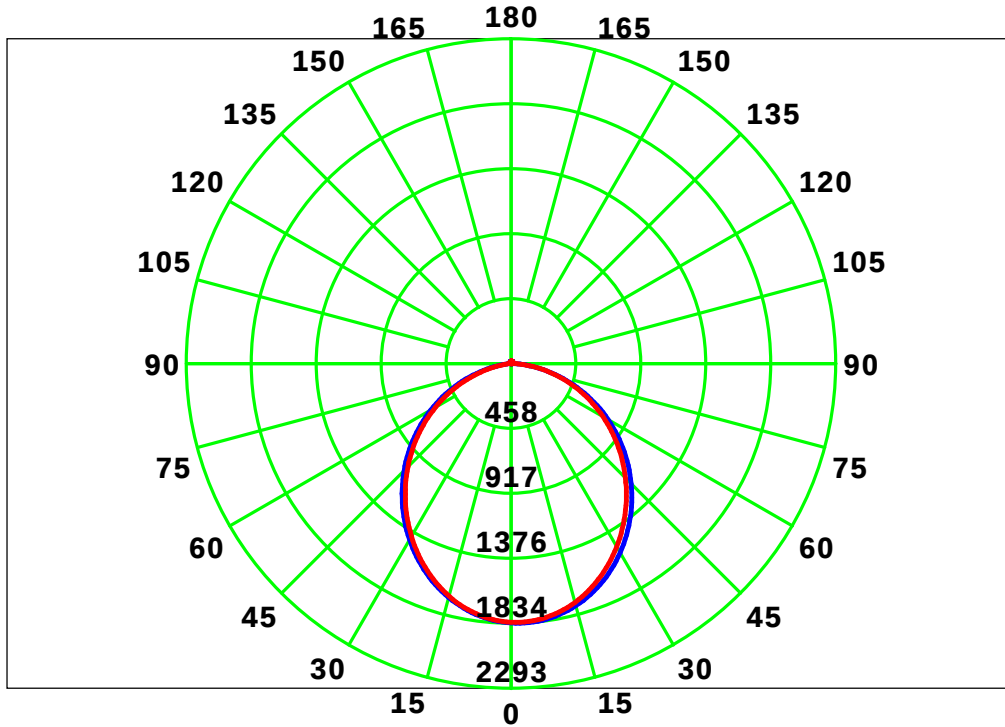
Test Device: GPM-1600L

Distance: 8.690 m

Humidity: 88

Inspector:

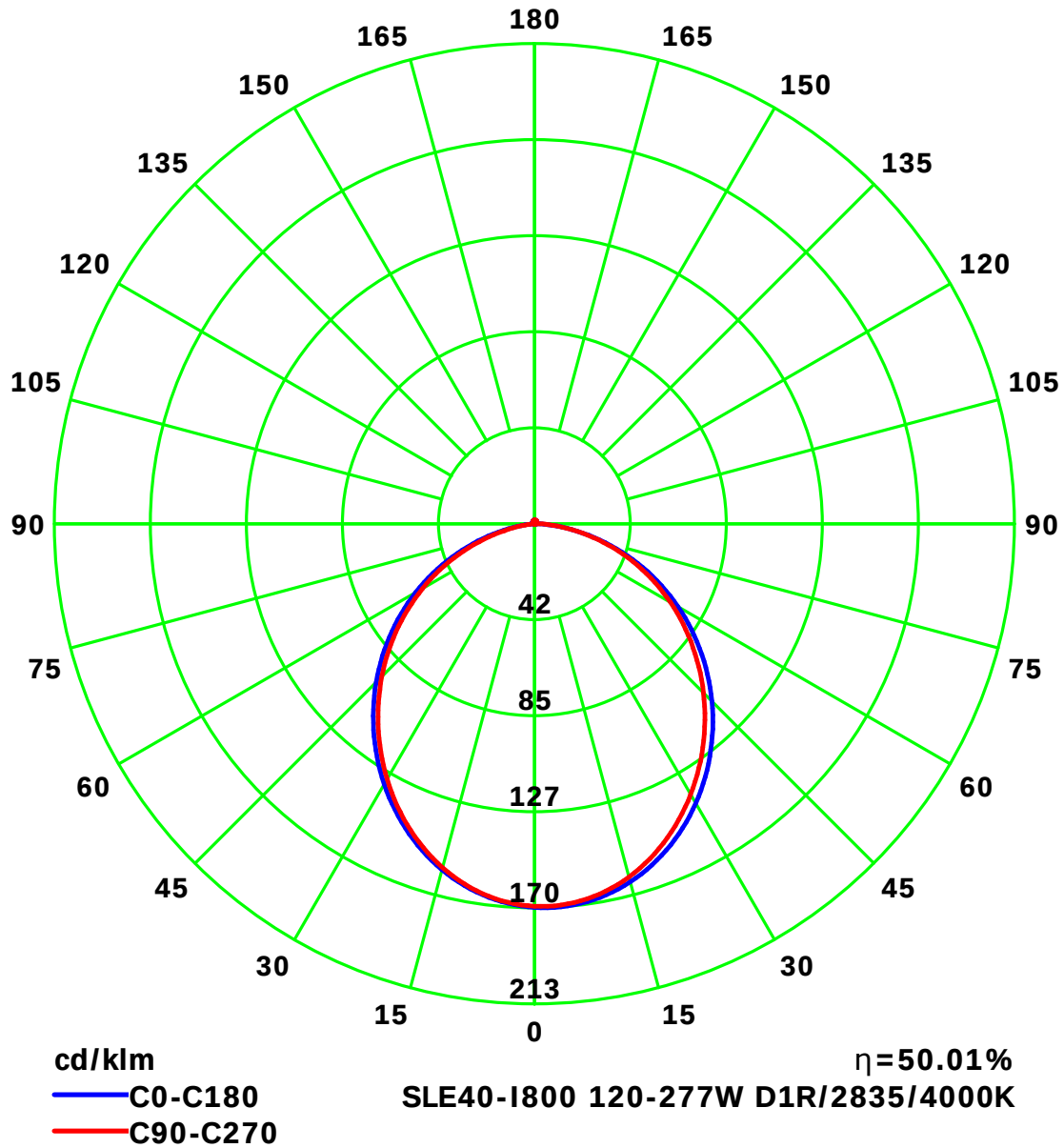
Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

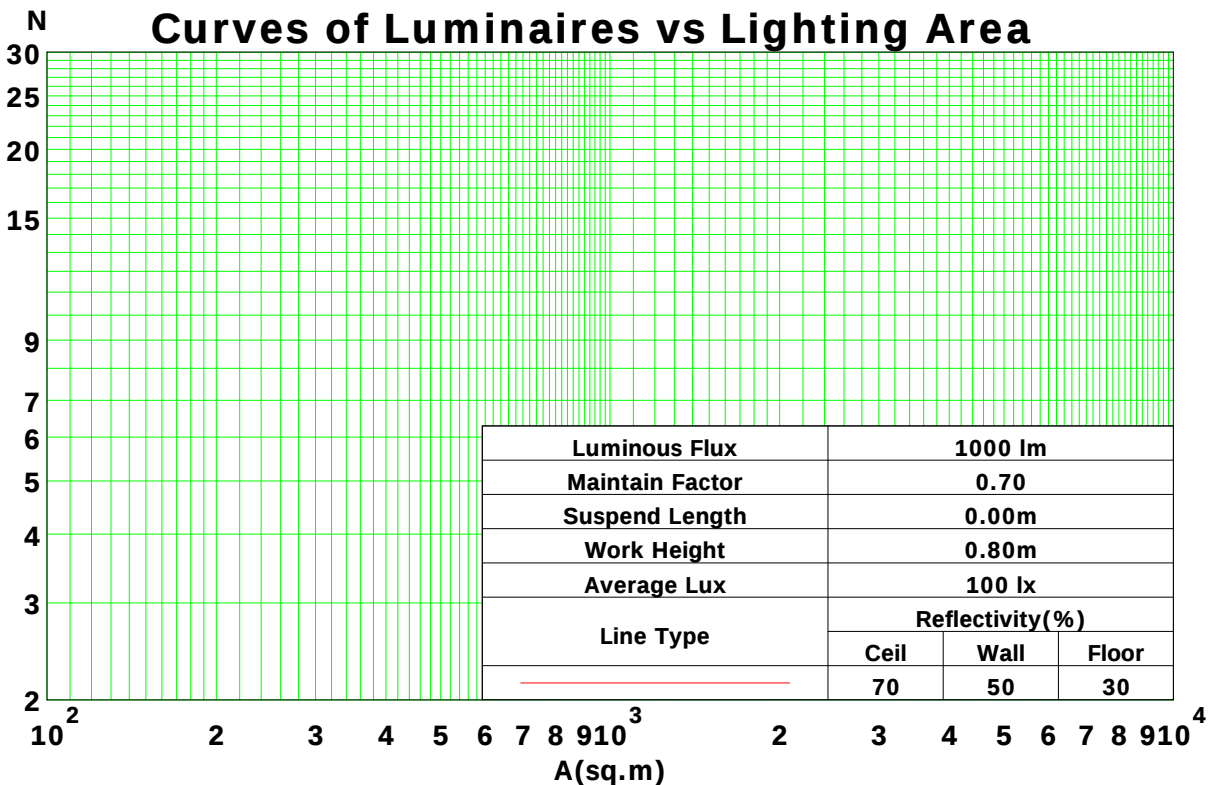
Coefficients Of Utilization - Zonal Cavity Method

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	59	59	59	59	58	58	58	58	55	55	55	53	53	53	50	50	50	49
1	54	52	50	48	53	51	49	47	49	47	46	47	45	44	45	44	43	42
2	50	46	42	39	48	45	42	39	43	40	38	41	39	37	39	38	36	35
3	45	40	36	33	44	39	36	33	38	35	32	36	34	31	35	33	31	30
4	42	36	31	28	40	35	31	28	34	30	27	32	29	27	31	29	26	25
5	38	32	27	24	37	31	27	24	30	27	24	29	26	23	28	25	23	22
6	35	29	24	21	34	28	24	21	27	24	21	26	23	21	26	23	20	19
7	33	26	22	19	32	26	22	19	25	21	18	24	21	18	23	20	18	17
8	31	24	20	17	30	23	19	17	23	19	17	22	19	16	21	19	16	15
9	29	22	18	15	28	22	18	15	21	17	15	20	17	15	20	17	15	14
10	27	20	16	14	26	20	16	14	19	16	14	19	16	13	18	16	13	13

Spacing Criteria (0-180): 1.21

Spacing Criteria (90-270): 1.19

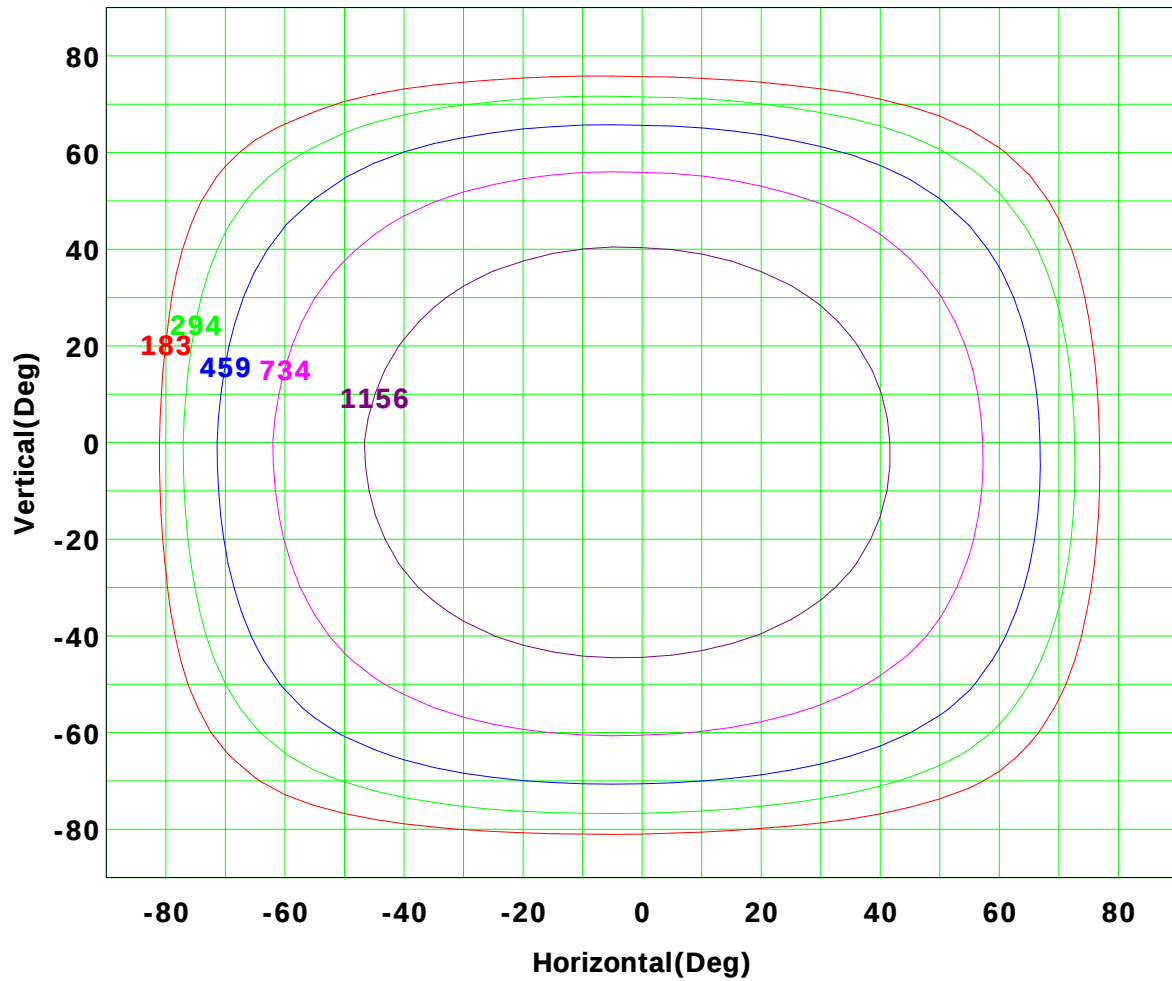
Spacing Criteria (Diagonal): 1.31



C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Isocandela (rectangle)



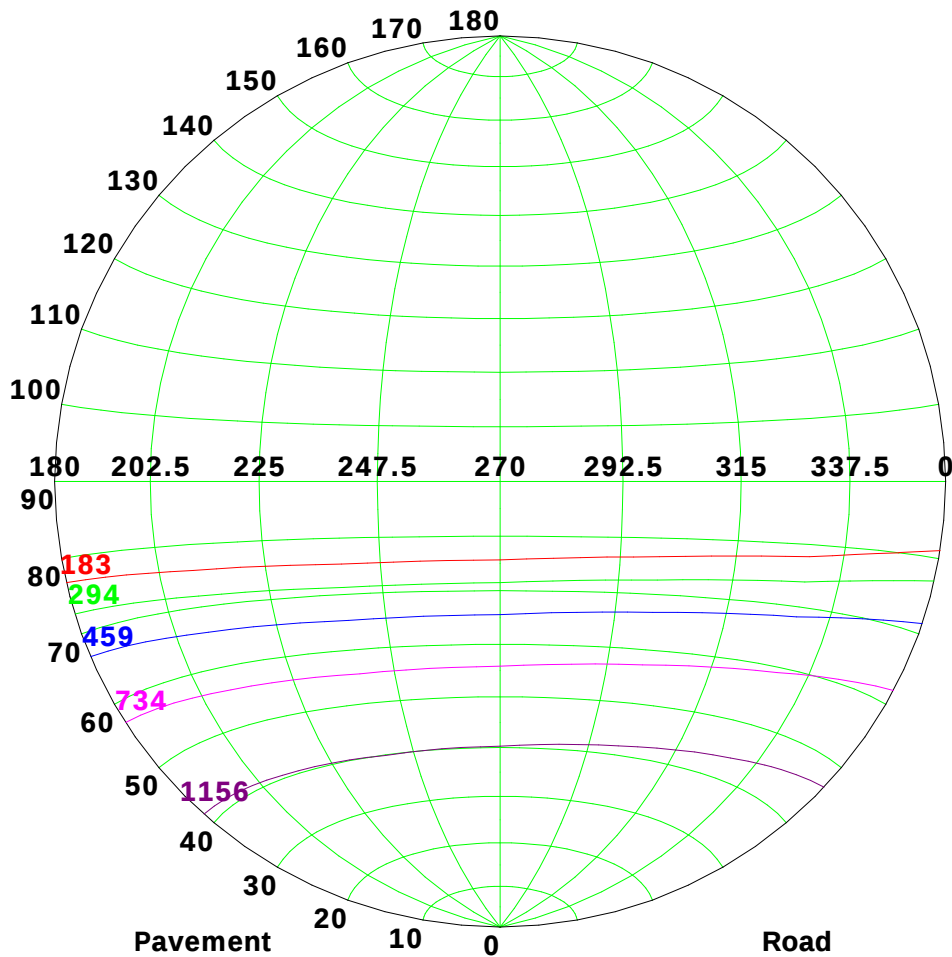
Imax (100%): 1835 cd

(10%): 183 cd	(16%): 294 cd
(25%): 459 cd	(40%): 734 cd
(63%): 1156 cd	(100%): 1835 cd

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Isocandela (sphere)



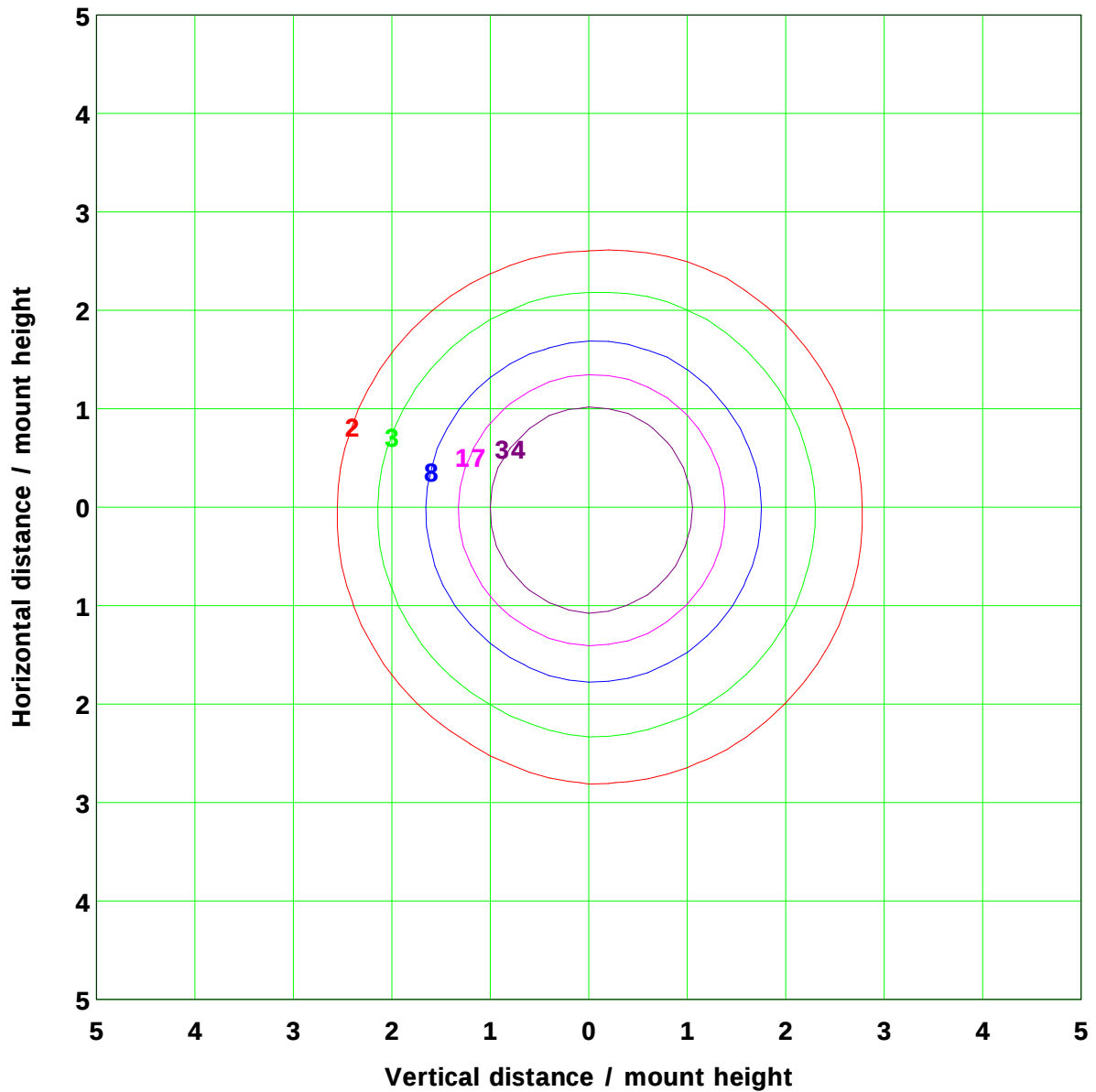
Imax (100%): 1835 cd

(10%): 183 cd	(16%): 294 cd
(25%): 459 cd	(40%): 734 cd
(63%): 1156 cd	(100%): 1835 cd

C Plane (°): 0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

IsoLux Plot



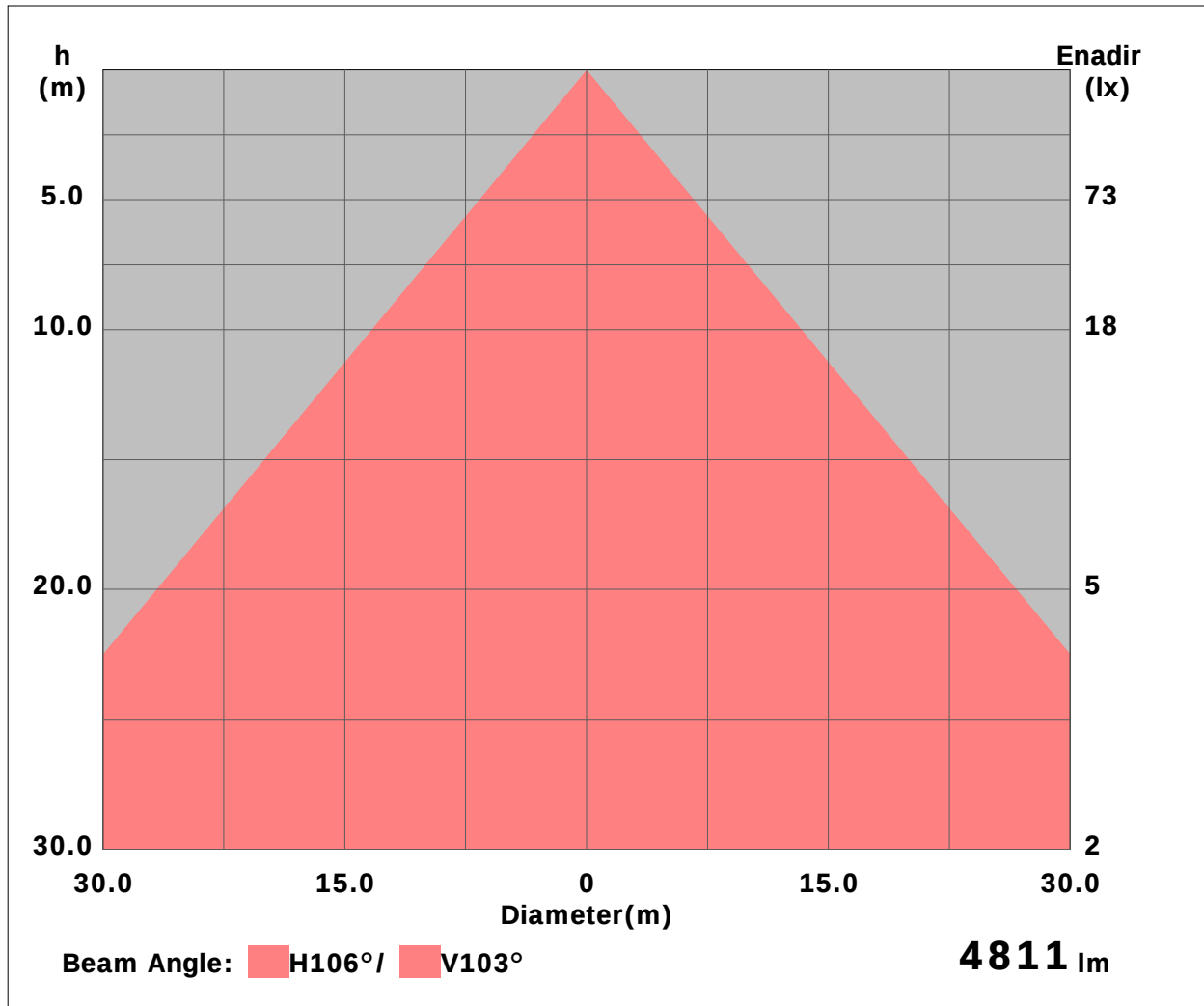
Mounting Height: 3.3m Max Lux(100%): 168.3 lx

(1%): 1.7 lx	(2%): 3.4 lx
(5%): 8.4 lx	(10%): 16.8 lx
(20%): 33.7 lx	

C Plane (°): 0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

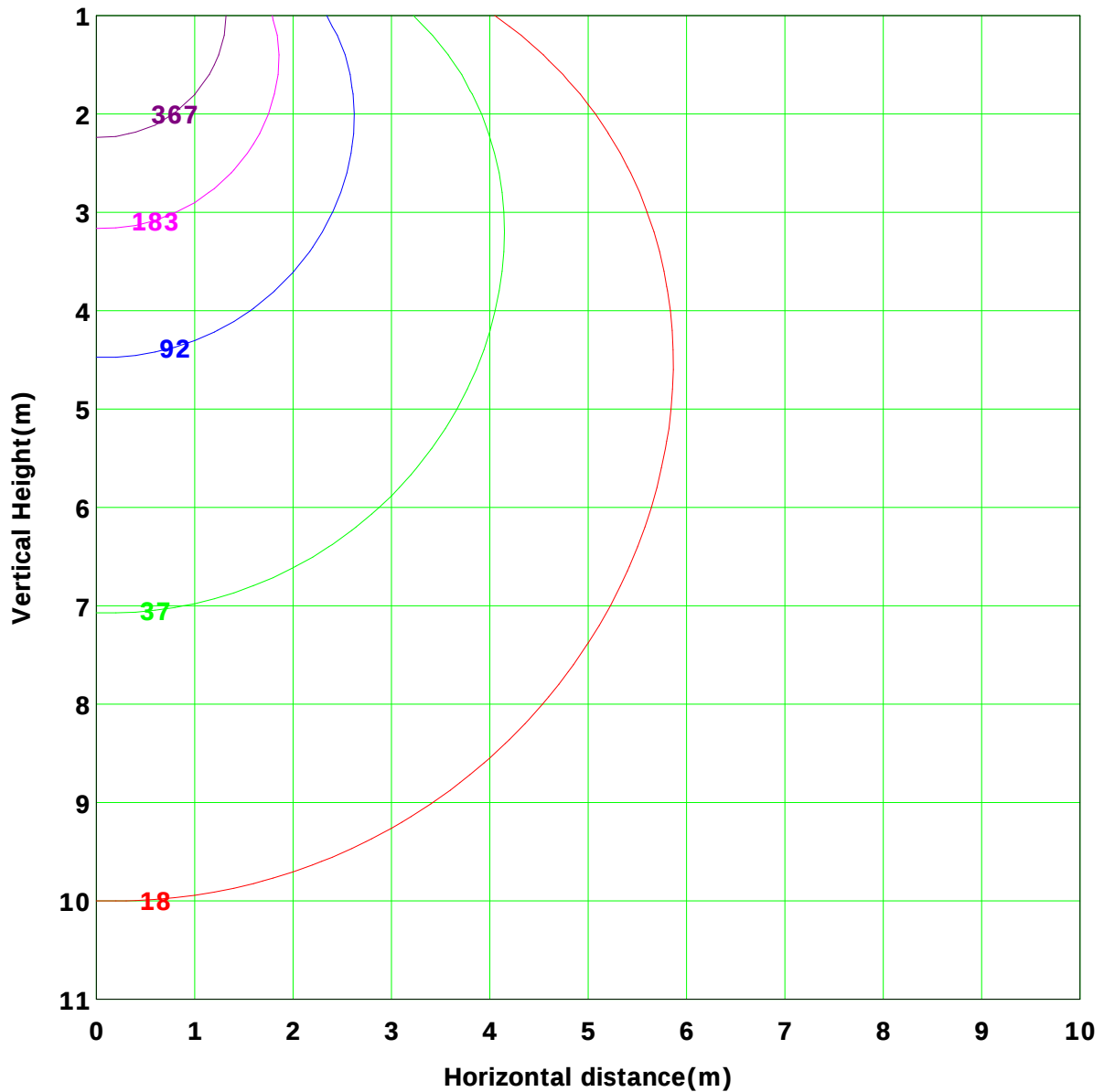
Illuminance at a Distance



C Plane (°): 0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Vertical IsoLux Plot



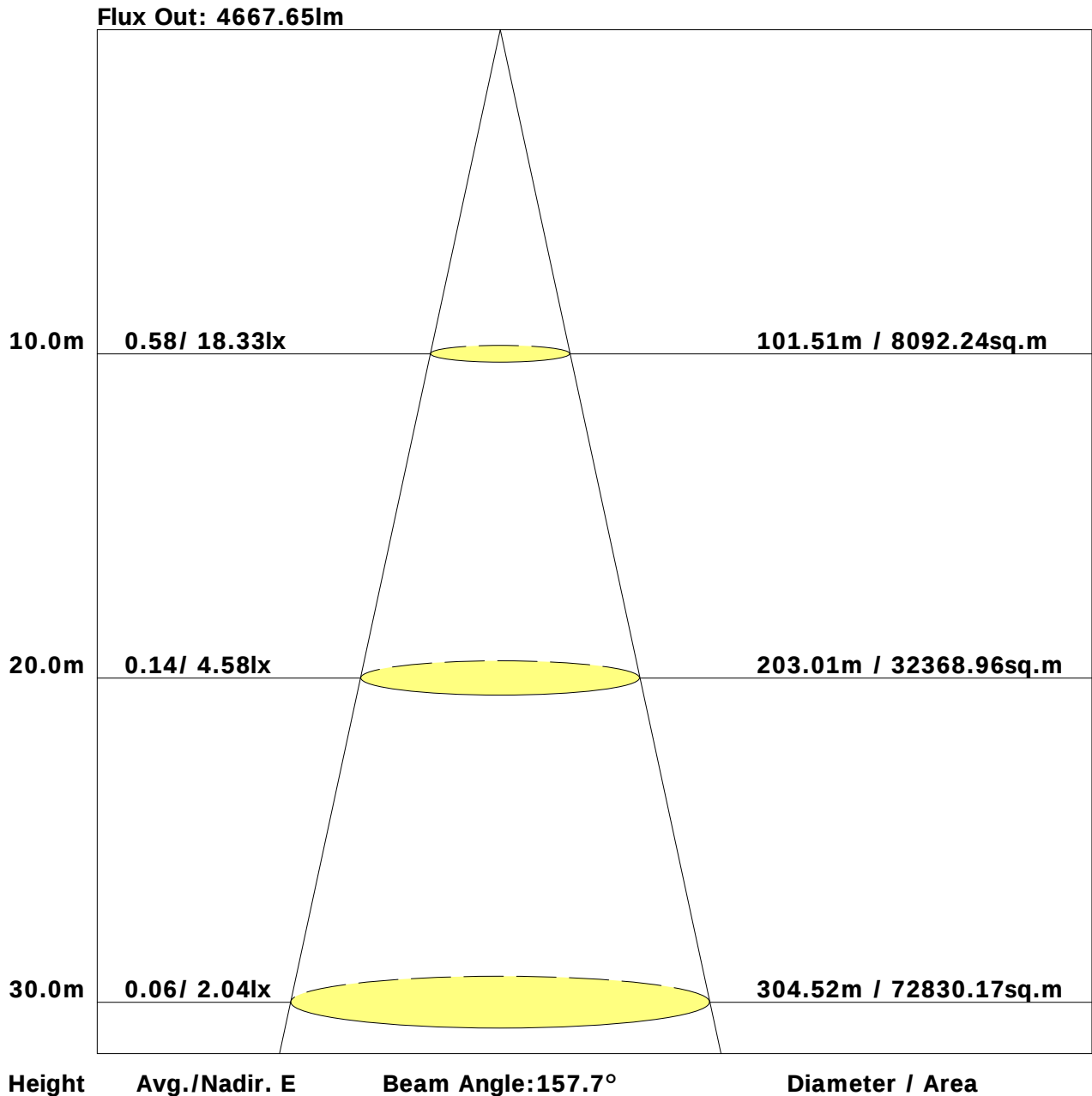
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1832.6 lx
 (1%): 18.3 lx (2%): 36.7 lx
 (5%): 91.6 lx (10%): 183.3 lx
 (20%): 366.5 lx

C Plane (°): 0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

UGR Table

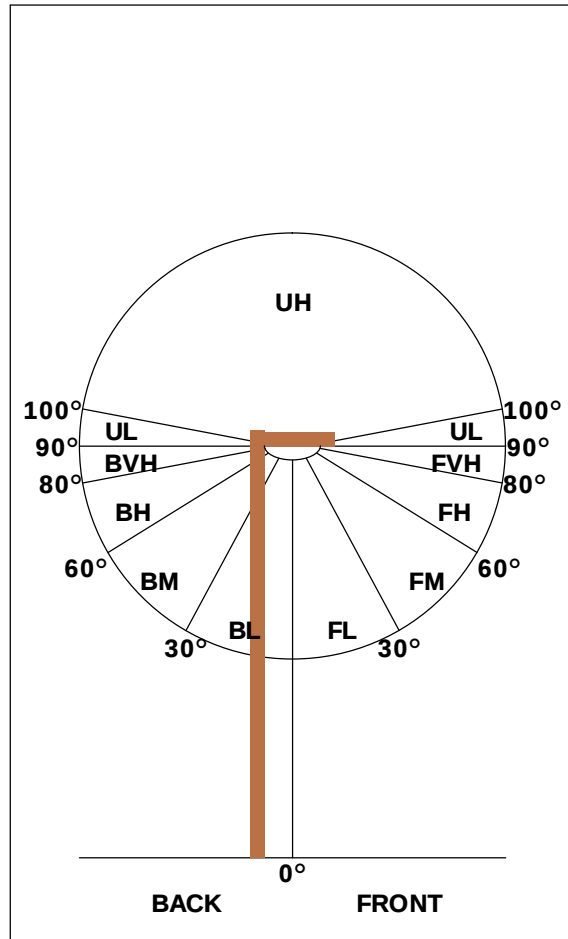
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	9.6	11.2	10.0	11.6	11.9	8.0	9.5	8.3	9.9	10.2
3H	11.5	12.9	11.9	13.2	13.6	9.4	10.8	9.8	11.2	11.5
4H	12.1	13.5	12.6	13.8	14.3	9.8	11.2	10.2	11.5	12.0
6H	12.6	13.8	13.0	14.2	14.7	10.1	11.3	10.5	11.7	12.2
8H	12.7	13.9	13.2	14.3	14.8	10.2	11.3	10.6	11.8	12.2
12H	12.8	14.0	13.3	14.4	14.8	10.2	11.3	10.6	11.7	12.2
X=4H Y=2H	10.0	11.3	10.4	11.7	12.1	8.6	9.9	9.0	10.3	10.7
3H	11.9	13.0	12.3	13.5	13.9	10.2	11.3	10.6	11.7	12.2
4H	12.7	13.7	13.1	14.1	14.6	10.8	11.8	11.2	12.2	12.7
6H	13.2	14.1	13.7	14.6	15.1	11.1	12.0	11.6	12.5	12.9
8H	13.4	14.2	13.9	14.7	15.2	11.2	12.0	11.7	12.5	13.0
12H	13.5	14.2	14.0	14.7	15.2	11.2	12.0	11.7	12.5	13.0
X=8H Y=4H	12.7	13.6	13.2	14.0	14.5	11.0	11.8	11.5	12.3	12.8
6H	13.3	14.0	13.9	14.5	15.0	11.4	12.1	12.0	12.6	13.1
8H	13.5	14.2	14.1	14.7	15.2	11.6	12.2	12.1	12.7	13.2
12H	13.7	14.2	14.2	14.7	15.3	11.6	12.2	12.2	12.7	13.3
X=12H Y=4H	12.7	13.5	13.2	14.0	14.5	11.0	11.8	11.5	12.3	12.8
6H	13.3	14.0	13.9	14.4	15.0	11.5	12.1	12.0	12.6	13.2
8H	13.6	14.1	14.1	14.6	15.2	11.6	12.2	12.2	12.7	13.3

Calculate in accordance with CIE 190:2010

C Plane (°): 0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	2462	25.6
FL (0°-30°)	700	7.3
FM (30°-60°)	1267	13.2
FH (60°-80°)	455	4.7
FVH (80°-90°)	40	0.4
BACK LIGHT	2291	23.8
BL (0°-30°)	682	7.1
BM (30°-60°)	1188	12.4
BH (60°-80°)	395	4.1
BVH (80°-90°)	26	0.3
UP LIGHT	57	0.6
UL (90°-100°)	4	0.0
UH (100°-180°)	53	0.5
TRAPPED LIGHT	4809	50.0

BUG(Backlight, Uplight, Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.29	0.34	0.38	0.40	0.44	0.46	0.48	0.50	0.52	
	0.30		0.25	0.30	0.34	0.37	0.41	0.44	0.46	0.48	0.50	
	0.20		0.22	0.27	0.31	0.34	0.38	0.41	0.44	0.47	0.49	
0.50	0.50	0.20	0.28	0.33	0.36	0.39	0.42	0.45	0.46	0.48	0.50	
	0.30		0.25	0.30	0.33	0.36	0.40	0.42	0.44	0.47	0.48	
	0.20		0.22	0.27	0.31	0.34	0.38	0.40	0.42	0.45	0.47	
0.30	0.50	0.20	0.27	0.32	0.35	0.38	0.41	0.43	0.44	0.46	0.48	
	0.30		0.24	0.29	0.33	0.35	0.39	0.41	0.43	0.45	0.46	
	0.20		0.22	0.27	0.30	0.33	0.37	0.39	0.41	0.44	0.45	
0.00	0.00	0.00	0.21	0.26	0.29	0.31	0.35	0.37	0.39	0.41	0.43	
Rating:43W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.49	0.40	0.34	0.30	0.23	0.19	0.17	0.13	0.10	
	0.30		0.41	0.34	0.30	0.26	0.21	0.18	0.15	0.12	0.10	
	0.20		0.35	0.30	0.26	0.23	0.19	0.16	0.14	0.11	0.09	
0.50	0.50	0.20	0.47	0.38	0.33	0.28	0.22	0.20	0.16	0.12	0.10	
	0.30		0.40	0.33	0.29	0.25	0.20	0.17	0.15	0.11	0.09	
	0.20		0.34	0.29	0.26	0.23	0.19	0.16	0.14	0.11	0.09	
0.30	0.50	0.20	0.45	0.37	0.31	0.27	0.21	0.18	0.15	0.11	0.09	
	0.30		0.39	0.32	0.28	0.24	0.20	0.16	0.14	0.11	0.09	
	0.20		0.34	0.29	0.25	0.22	0.18	0.15	0.13	0.11	0.09	
0.00	0.00	0.00	0.29	0.24	0.21	0.18	0.14	0.12	0.10	0.08	0.07	
Rating:43W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.11	
	0.30		0.05	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.10	
	0.20		0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.08	0.09	
0.50	0.50	0.20	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11	
	0.30		0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	
	0.20		0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.09	
0.30	0.50	0.20	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	
	0.30		0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.09	0.09	
	0.20		0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.08	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating:43W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1826.6	1.7	1.7	0.02	0.02
1.0-2.0	1825.7	5.2	7.0	0.05	0.07
2.0-3.0	1823.9	8.7	15.7	0.09	0.16
3.0-4.0	1821.2	12.2	27.9	0.13	0.29
4.0-5.0	1817.7	15.6	43.5	0.16	0.45
5.0-6.0	1813.3	19.1	62.6	0.20	0.65
6.0-7.0	1808.0	22.4	85.0	0.23	0.88
7.0-8.0	1801.8	25.8	110.8	0.27	1.15
8.0-9.0	1794.7	29.1	139.9	0.30	1.45
9.0-10.0	1786.9	32.3	172.3	0.34	1.79
10.0-11.0	1778.2	35.5	207.8	0.37	2.16
11.0-12.0	1768.5	38.7	246.5	0.40	2.56
12.0-13.0	1758.2	41.7	288.2	0.43	3.00
13.0-14.0	1747.2	44.7	332.9	0.46	3.46
14.0-15.0	1735.3	47.6	380.6	0.50	3.96
15.0-16.0	1722.6	50.5	431.1	0.52	4.48
16.0-17.0	1709.2	53.2	484.3	0.55	5.03
17.0-18.0	1695.2	55.9	540.2	0.58	5.62
18.0-19.0	1680.5	58.5	598.7	0.61	6.22
19.0-20.0	1665.1	61.0	659.6	0.63	6.86
20.0-21.0	1648.9	63.3	722.9	0.66	7.51
21.0-22.0	1632.2	65.6	788.5	0.68	8.20
22.0-23.0	1614.8	67.8	856.3	0.70	8.90
23.0-24.0	1597.0	69.8	926.1	0.73	9.63
24.0-25.0	1578.5	71.8	997.9	0.75	10.37
25.0-26.0	1559.4	73.6	1071.5	0.77	11.14
26.0-27.0	1539.8	75.3	1146.9	0.78	11.92
27.0-28.0	1519.9	77.0	1223.8	0.80	12.72
28.0-29.0	1499.4	78.5	1302.3	0.82	13.54
29.0-30.0	1478.3	79.8	1382.1	0.83	14.37
30.0-31.0	1456.8	81.1	1463.2	0.84	15.21
31.0-32.0	1435.1	82.2	1545.4	0.85	16.06
32.0-33.0	1412.9	83.2	1628.7	0.87	16.93
33.0-34.0	1390.3	84.1	1712.8	0.87	17.80
34.0-35.0	1367.3	84.9	1797.8	0.88	18.69
35.0-36.0	1344.1	85.6	1883.4	0.89	19.58

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1320.6	86.1	1969.5	0.90	20.47
37.0-38.0	1296.7	86.6	2056.1	0.90	21.37
38.0-39.0	1272.3	86.9	2142.9	0.90	22.28
39.0-40.0	1247.7	87.0	2229.9	0.90	23.18
40.0-41.0	1223.1	87.1	2317.1	0.91	24.09
41.0-42.0	1198.1	87.1	2404.1	0.90	24.99
42.0-43.0	1172.8	86.9	2491.0	0.90	25.89
43.0-44.0	1147.4	86.6	2577.6	0.90	26.79
44.0-45.0	1121.7	86.2	2663.8	0.90	27.69
45.0-46.0	1095.8	85.7	2749.5	0.89	28.58
46.0-47.0	1069.9	85.1	2834.6	0.88	29.47
47.0-48.0	1043.6	84.4	2919.0	0.88	30.34
48.0-49.0	1017.2	83.5	3002.6	0.87	31.21
49.0-50.0	990.6	82.6	3085.2	0.86	32.07
50.0-51.0	963.8	81.6	3166.7	0.85	32.92
51.0-52.0	936.8	80.4	3247.1	0.84	33.75
52.0-53.0	909.7	79.1	3326.3	0.82	34.58
53.0-54.0	882.5	77.8	3404.0	0.81	35.38
54.0-55.0	855.2	76.3	3480.4	0.79	36.18
55.0-56.0	827.7	74.8	3555.2	0.78	36.96
56.0-57.0	800.1	73.2	3628.4	0.76	37.72
57.0-58.0	772.4	71.4	3699.8	0.74	38.46
58.0-59.0	744.5	69.6	3769.4	0.72	39.18
59.0-60.0	716.5	67.7	3837.1	0.70	39.89
60.0-61.0	688.5	65.7	3902.8	0.68	40.57
61.0-62.0	660.2	63.6	3966.4	0.66	41.23
62.0-63.0	631.8	61.5	4027.9	0.64	41.87
63.0-64.0	603.5	59.2	4087.1	0.62	42.49
64.0-65.0	575.2	56.9	4144.1	0.59	43.08
65.0-66.0	546.7	54.6	4198.6	0.57	43.64
66.0-67.0	518.0	52.1	4250.7	0.54	44.19
67.0-68.0	489.6	49.6	4300.3	0.52	44.70
68.0-69.0	461.2	47.1	4347.4	0.49	45.19
69.0-70.0	432.6	44.4	4391.8	0.46	45.65
70.0-71.0	404.4	41.8	4433.6	0.43	46.09
71.0-72.0	376.2	39.1	4472.7	0.41	46.49

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	348.0	36.4	4509.1	0.38	46.87
73.0-74.0	320.2	33.7	4542.8	0.35	47.22
74.0-75.0	292.6	30.9	4573.7	0.32	47.54
75.0-76.0	265.4	28.2	4601.9	0.29	47.84
76.0-77.0	238.7	25.5	4627.3	0.26	48.10
77.0-78.0	212.6	22.8	4650.1	0.24	48.34
78.0-79.0	187.0	20.1	4670.2	0.21	48.55
79.0-80.0	162.3	17.5	4687.7	0.18	48.73
80.0-81.0	138.6	15.0	4702.7	0.16	48.88
81.0-82.0	116.1	12.6	4715.3	0.13	49.01
82.0-83.0	95.1	10.3	4725.6	0.11	49.12
83.0-84.0	75.7	8.3	4733.9	0.09	49.21
84.0-85.0	58.5	6.4	4740.3	0.07	49.27
85.0-86.0	43.7	4.8	4745.0	0.05	49.32
86.0-87.0	31.5	3.4	4748.5	0.04	49.36
87.0-88.0	22.0	2.4	4750.9	0.03	49.38
88.0-89.0	14.9	1.6	4752.5	0.02	49.40
89.0-90.0	9.6	1.0	4753.6	0.01	49.41
90.0-91.0	5.9	0.6	4754.2	0.01	49.42
91.0-92.0	3.9	0.4	4754.6	0.00	49.42
92.0-93.0	3.3	0.4	4755.0	0.00	49.43
93.0-94.0	3.4	0.4	4755.4	0.00	49.43
94.0-95.0	3.5	0.4	4755.8	0.00	49.44
95.0-96.0	3.7	0.4	4756.2	0.00	49.44
96.0-97.0	3.9	0.4	4756.6	0.00	49.44
97.0-98.0	4.0	0.4	4757.0	0.00	49.45
98.0-99.0	4.2	0.5	4757.5	0.00	49.45
99.0-100.0	4.4	0.5	4758.0	0.00	49.46
100.0-101.0	4.6	0.5	4758.5	0.01	49.46
101.0-102.0	4.8	0.5	4759.0	0.01	49.47
102.0-103.0	4.9	0.5	4759.5	0.01	49.47
103.0-104.0	5.1	0.5	4760.1	0.01	49.48
104.0-105.0	5.3	0.6	4760.6	0.01	49.49
105.0-106.0	5.5	0.6	4761.2	0.01	49.49
106.0-107.0	5.7	0.6	4761.8	0.01	49.50
107.0-108.0	5.9	0.6	4762.4	0.01	49.50

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	6.1	0.6	4763.1	0.01	49.51
109.0-110.0	6.3	0.7	4763.7	0.01	49.52
110.0-111.0	6.5	0.7	4764.4	0.01	49.53
111.0-112.0	6.7	0.7	4765.1	0.01	49.53
112.0-113.0	6.9	0.7	4765.8	0.01	49.54
113.0-114.0	7.1	0.7	4766.5	0.01	49.55
114.0-115.0	7.3	0.7	4767.2	0.01	49.55
115.0-116.0	7.5	0.7	4767.9	0.01	49.56
116.0-117.0	7.7	0.8	4768.7	0.01	49.57
117.0-118.0	7.9	0.8	4769.5	0.01	49.58
118.0-119.0	8.1	0.8	4770.2	0.01	49.59
119.0-120.0	8.3	0.8	4771.0	0.01	49.59
120.0-121.0	8.5	0.8	4771.8	0.01	49.60
121.0-122.0	8.7	0.8	4772.6	0.01	49.61
122.0-123.0	8.9	0.8	4773.5	0.01	49.62
123.0-124.0	9.1	0.8	4774.3	0.01	49.63
124.0-125.0	9.3	0.8	4775.1	0.01	49.64
125.0-126.0	9.5	0.8	4776.0	0.01	49.65
126.0-127.0	9.7	0.9	4776.9	0.01	49.65
127.0-128.0	9.9	0.9	4777.7	0.01	49.66
128.0-129.0	10.1	0.9	4778.6	0.01	49.67
129.0-130.0	10.4	0.9	4779.5	0.01	49.68
130.0-131.0	10.6	0.9	4780.3	0.01	49.69
131.0-132.0	10.8	0.9	4781.2	0.01	49.70
132.0-133.0	11.0	0.9	4782.1	0.01	49.71
133.0-134.0	11.2	0.9	4783.0	0.01	49.72
134.0-135.0	11.4	0.9	4783.9	0.01	49.73
135.0-136.0	11.7	0.9	4784.8	0.01	49.74
136.0-137.0	11.9	0.9	4785.7	0.01	49.75
137.0-138.0	12.1	0.9	4786.6	0.01	49.76
138.0-139.0	12.3	0.9	4787.5	0.01	49.77
139.0-140.0	12.5	0.9	4788.4	0.01	49.77
140.0-141.0	12.8	0.9	4789.3	0.01	49.78
141.0-142.0	13.0	0.9	4790.2	0.01	49.79
142.0-143.0	13.2	0.9	4791.0	0.01	49.80
143.0-144.0	13.4	0.9	4791.9	0.01	49.81

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
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	13.6	0.9	4792.8	0.01	49.82
145.0-146.0	13.8	0.9	4793.6	0.01	49.83
146.0-147.0	14.0	0.8	4794.5	0.01	49.84
147.0-148.0	14.2	0.8	4795.3	0.01	49.85
148.0-149.0	14.4	0.8	4796.1	0.01	49.86
149.0-150.0	14.6	0.8	4797.0	0.01	49.86
150.0-151.0	14.8	0.8	4797.8	0.01	49.87
151.0-152.0	15.0	0.8	4798.5	0.01	49.88
152.0-153.0	15.2	0.8	4799.3	0.01	49.89
153.0-154.0	15.3	0.8	4800.1	0.01	49.90
154.0-155.0	15.5	0.7	4800.8	0.01	49.90
155.0-156.0	15.7	0.7	4801.5	0.01	49.91
156.0-157.0	15.9	0.7	4802.2	0.01	49.92
157.0-158.0	16.0	0.7	4802.9	0.01	49.93
158.0-159.0	16.2	0.7	4803.5	0.01	49.93
159.0-160.0	16.4	0.6	4804.1	0.01	49.94
160.0-161.0	16.5	0.6	4804.8	0.01	49.94
161.0-162.0	16.7	0.6	4805.3	0.01	49.95
162.0-163.0	16.8	0.6	4805.9	0.01	49.96
163.0-164.0	17.0	0.5	4806.4	0.01	49.96
164.0-165.0	17.1	0.5	4806.9	0.01	49.97
165.0-166.0	17.2	0.5	4807.4	0.00	49.97
166.0-167.0	17.4	0.4	4807.8	0.00	49.98
167.0-168.0	17.5	0.4	4808.3	0.00	49.98
168.0-169.0	17.6	0.4	4808.6	0.00	49.99
169.0-170.0	17.8	0.4	4809.0	0.00	49.99
170.0-171.0	17.9	0.3	4809.3	0.00	49.99
171.0-172.0	18.0	0.3	4809.6	0.00	50.00
172.0-173.0	18.1	0.3	4809.9	0.00	50.00
173.0-174.0	18.1	0.2	4810.1	0.00	50.00
174.0-175.0	18.2	0.2	4810.3	0.00	50.00
175.0-176.0	18.3	0.2	4810.4	0.00	50.00
176.0-177.0	18.4	0.1	4810.6	0.00	50.01
177.0-178.0	18.4	0.1	4810.6	0.00	50.01
178.0-179.0	18.4	0.1	4810.7	0.00	50.01
179.0-180.0	18.4	0.0	4810.7	0.00	50.01

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	1832.6	1828.5	1828.0	1826.6	1824.1	1821.2	1832.6	1828.5	1828.0	1826.6
G1.0	1834.1	1830.6	1830.1	1827.8	1824.0	1819.7	1830.0	1825.5	1825.2	1824.7
G2.0	1834.7	1831.9	1831.1	1828.1	1823.0	1817.6	1826.5	1821.4	1821.2	1821.8
G3.0	1834.9	1832.4	1831.3	1827.3	1821.1	1814.4	1822.4	1816.7	1816.5	1817.9
G4.0	1833.9	1832.0	1830.5	1825.4	1818.1	1810.4	1817.3	1811.1	1810.8	1813.0
G5.0	1832.4	1830.7	1828.8	1822.7	1814.4	1805.7	1811.5	1804.7	1804.4	1807.2
G6.0	1830.0	1828.3	1826.2	1819.4	1809.8	1800.1	1805.1	1797.4	1797.0	1800.1
G7.0	1826.6	1825.4	1822.6	1814.7	1804.3	1793.6	1797.6	1789.5	1788.8	1792.7
G8.0	1822.3	1821.4	1818.2	1809.3	1797.9	1786.5	1789.2	1780.3	1779.5	1784.0
G9.0	1817.3	1816.7	1812.8	1802.7	1790.7	1778.3	1780.5	1770.8	1769.4	1774.7
G10.0	1811.5	1811.2	1806.7	1795.5	1782.4	1769.7	1770.8	1760.3	1758.6	1764.4
G11.0	1804.7	1804.6	1799.0	1787.4	1773.3	1759.7	1760.2	1749.3	1747.1	1753.0
G12.0	1797.3	1797.8	1791.4	1778.3	1763.6	1749.4	1748.7	1736.4	1734.3	1740.9
G13.0	1789.2	1789.4	1782.4	1768.1	1752.8	1738.4	1736.9	1724.0	1721.1	1728.2
G14.0	1780.0	1780.8	1772.8	1757.8	1741.5	1726.5	1724.0	1710.8	1707.3	1714.6
G15.0	1770.5	1771.0	1762.1	1746.3	1729.2	1713.9	1710.7	1696.6	1692.6	1700.0
G16.0	1759.9	1760.6	1750.9	1734.2	1716.7	1700.9	1696.0	1680.9	1677.1	1684.9
G17.0	1748.6	1749.2	1738.8	1721.0	1703.1	1687.0	1681.4	1665.7	1660.5	1668.9
G18.0	1736.8	1737.4	1726.2	1707.3	1688.9	1672.1	1666.2	1649.9	1644.1	1652.2
G19.0	1724.0	1725.1	1712.5	1693.0	1674.0	1657.3	1650.0	1632.5	1626.6	1635.3
G20.0	1710.6	1711.6	1698.4	1677.9	1658.3	1641.5	1633.5	1615.1	1608.9	1617.5
G21.0	1696.4	1697.1	1683.7	1661.6	1641.9	1624.7	1615.9	1597.1	1589.9	1599.0
G22.0	1682.0	1683.1	1667.8	1645.0	1624.6	1607.6	1598.4	1579.1	1570.9	1580.0
G23.0	1666.2	1666.9	1652.1	1628.1	1607.6	1589.9	1579.7	1559.1	1550.8	1560.2
G24.0	1650.3	1651.3	1635.3	1610.4	1589.6	1572.4	1560.7	1540.1	1531.1	1540.6
G25.0	1633.7	1634.4	1616.9	1592.1	1571.4	1553.7	1540.8	1520.1	1510.2	1519.0
G26.0	1616.6	1617.3	1599.3	1573.2	1551.5	1534.6	1520.8	1499.3	1488.9	1498.6
G27.0	1598.7	1599.6	1580.5	1553.7	1532.8	1514.9	1500.8	1477.1	1467.0	1476.4
G28.0	1580.7	1581.2	1561.7	1533.0	1512.9	1494.9	1480.2	1456.5	1445.5	1454.7
G29.0	1561.3	1562.2	1541.8	1514.1	1492.2	1475.2	1458.7	1434.3	1422.4	1432.0
G30.0	1541.5	1542.4	1521.6	1492.9	1470.4	1453.8	1436.2	1412.5	1399.3	1409.1
G31.0	1522.2	1522.5	1501.2	1472.3	1449.2	1433.2	1413.8	1388.8	1376.0	1385.9
G32.0	1501.3	1501.6	1479.6	1450.3	1427.6	1411.1	1392.2	1366.8	1352.7	1362.5
G33.0	1480.8	1481.7	1458.8	1428.4	1405.6	1389.3	1369.2	1342.8	1328.1	1338.0
G34.0	1458.8	1459.8	1436.9	1406.1	1383.7	1366.8	1345.2	1319.1	1305.0	1313.8
G35.0	1437.8	1438.4	1414.5	1383.9	1360.9	1344.2	1322.3	1294.7	1279.8	1289.1
G36.0	1415.7	1416.1	1392.2	1360.9	1337.8	1320.9	1298.0	1271.3	1255.4	1264.9

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\ C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	1393.0	1393.4	1369.1	1337.0	1315.4	1298.2	1274.1	1246.0	1229.7	1240.2
G38.0	1369.4	1370.9	1345.8	1313.8	1290.7	1274.6	1249.9	1221.6	1205.4	1214.7
G39.0	1346.6	1347.6	1322.2	1289.9	1267.4	1250.2	1224.0	1196.0	1178.8	1188.0
G40.0	1322.3	1323.4	1298.4	1265.9	1243.9	1226.1	1199.0	1170.6	1153.8	1163.5
G41.0	1298.7	1300.1	1274.2	1241.8	1219.7	1203.1	1173.7	1144.9	1127.5	1137.5
G42.0	1274.4	1275.3	1249.8	1217.2	1194.6	1178.5	1147.9	1119.2	1101.8	1111.6
G43.0	1249.6	1251.7	1225.1	1193.0	1170.2	1153.6	1121.5	1092.5	1075.1	1084.5
G44.0	1224.9	1226.6	1200.4	1167.6	1145.1	1128.4	1096.6	1067.3	1049.0	1058.8
G45.0	1198.6	1201.3	1175.7	1142.3	1120.3	1103.6	1069.6	1040.8	1022.4	1031.9
G46.0	1172.8	1175.6	1150.3	1117.6	1094.8	1078.3	1043.7	1014.3	996.0	1005.5
G47.0	1148.0	1150.5	1125.2	1091.9	1069.9	1053.0	1016.9	987.3	968.5	978.0
G48.0	1122.4	1124.4	1099.3	1066.1	1043.6	1027.4	989.3	959.8	942.2	950.9
G49.0	1095.9	1098.1	1073.2	1041.1	1018.5	1002.0	963.0	932.8	914.5	923.7
G50.0	1068.7	1071.7	1047.1	1015.0	992.6	975.7	935.8	906.1	887.9	897.0
G51.0	1042.5	1045.8	1020.9	988.9	966.5	949.4	908.3	878.6	859.8	869.5
G52.0	1015.3	1018.8	994.3	962.8	939.6	923.6	880.9	851.1	833.6	841.3
G53.0	988.3	992.4	968.0	937.3	914.9	897.4	852.4	823.3	804.6	813.5
G54.0	960.5	965.6	941.1	910.1	888.2	870.1	825.1	794.8	777.3	786.3
G55.0	933.3	938.0	915.2	883.3	862.8	844.3	796.9	767.4	749.4	758.1
G56.0	905.2	910.2	887.4	857.6	835.4	817.3	769.3	739.7	721.9	730.6
G57.0	877.6	883.2	861.3	831.4	809.1	790.9	740.9	710.3	693.3	701.3
G58.0	849.1	854.5	833.3	803.7	781.6	763.6	713.3	683.3	665.8	674.5
G59.0	821.3	827.1	806.5	777.4	755.2	736.5	684.3	654.5	637.1	645.5
G60.0	792.0	799.3	778.8	750.1	727.6	709.1	656.2	626.7	609.3	617.8
G61.0	763.7	771.3	750.9	724.0	701.3	682.1	626.4	598.0	581.7	589.5
G62.0	734.8	742.5	723.4	695.7	673.9	653.5	598.2	568.9	552.6	560.9
G63.0	706.0	714.0	696.3	668.6	646.7	627.5	569.1	541.3	524.2	532.3
G64.0	676.4	685.0	667.4	640.1	619.6	599.7	540.9	511.9	495.5	504.3
G65.0	647.3	656.5	640.2	614.3	593.2	572.1	511.8	483.8	468.3	475.7
G66.0	618.3	627.3	611.9	586.6	564.9	544.2	482.3	455.2	438.1	446.8
G67.0	588.6	598.8	583.5	559.5	537.3	516.4	453.4	426.6	410.6	418.3
G68.0	559.1	569.5	555.2	531.7	510.3	489.2	425.4	398.3	383.1	390.1
G69.0	529.8	541.0	527.4	503.5	482.1	460.6	396.1	369.8	354.4	361.9
G70.0	499.2	511.5	498.9	476.3	455.0	432.7	368.1	341.6	327.1	333.4
G71.0	469.9	482.6	470.9	448.3	427.3	406.0	340.0	314.2	299.3	306.6
G72.0	440.6	453.1	441.6	421.7	400.3	378.3	311.2	285.0	272.0	278.5
G73.0	410.1	424.4	414.4	393.4	372.2	351.4	283.7	258.8	245.5	251.8

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G/C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	381.1	394.4	385.5	366.5	345.6	324.6	256.0	231.2	219.1	225.5
G75.0	351.8	365.5	357.4	338.6	318.5	296.3	229.4	205.3	193.1	199.5
G76.0	322.6	337.3	330.2	312.7	291.9	270.3	201.9	179.6	167.4	173.6
G77.0	293.7	308.1	301.9	284.8	265.5	244.0	177.1	154.6	143.7	149.0
G78.0	265.4	280.0	274.7	259.7	239.6	218.8	151.0	130.6	120.4	125.3
G79.0	236.7	251.6	247.1	233.0	213.4	192.3	127.9	107.7	98.7	103.9
G80.0	210.3	224.8	221.0	206.9	189.0	168.1	104.4	85.6	77.5	81.8
G81.0	182.2	198.0	194.6	181.9	164.6	143.7	83.2	66.5	58.6	62.8
G82.0	156.8	171.8	169.5	157.7	141.1	121.5	63.4	48.4	42.0	45.4
G83.0	131.3	146.1	145.6	133.8	118.1	99.2	45.9	33.1	28.0	30.9
G84.0	107.1	121.5	121.2	111.1	96.8	78.8	30.5	20.1	17.0	19.4
G85.0	84.9	98.2	99.1	90.2	77.0	59.8	18.4	11.0	9.2	11.0
G86.0	64.6	77.9	78.6	70.9	58.5	43.3	9.1	5.3	4.0	4.9
G87.0	45.9	57.7	59.5	53.5	42.4	28.5	4.4	3.1	2.6	2.4
G88.0	30.2	40.6	43.2	38.2	28.9	17.2	3.4	3.3	2.7	2.4
G89.0	17.5	26.1	28.9	25.4	17.7	9.3	3.6	3.4	2.8	2.5
G90.0	8.2	14.6	17.5	15.1	9.4	4.7	3.8	3.6	3.0	2.6
G91.0	3.6	6.8	8.8	7.2	4.2	3.8	4.0	3.8	3.2	2.7
G92.0	3.0	3.0	3.8	3.2	3.2	4.0	4.2	4.0	3.3	2.9
G93.0	3.2	2.9	2.7	2.8	3.3	4.1	4.4	4.2	3.5	3.0
G94.0	3.3	3.0	2.8	2.9	3.4	4.3	4.6	4.3	3.6	3.2
G95.0	3.6	3.2	2.9	3.0	3.6	4.5	4.8	4.6	3.8	3.3
G96.0	3.6	3.3	3.1	3.2	3.8	4.7	5.0	4.8	4.0	3.5
G97.0	3.8	3.5	3.2	3.3	3.9	4.9	5.2	4.9	4.2	3.6
G98.0	3.9	3.6	3.4	3.5	4.1	5.1	5.4	5.1	4.4	3.8
G99.0	4.1	3.8	3.5	3.6	4.3	5.3	5.6	5.3	4.6	4.0
G100.0	4.2	4.0	3.7	3.8	4.5	5.5	5.8	5.6	4.8	4.1
G101.0	4.4	4.1	3.8	4.0	4.7	5.7	6.1	5.7	5.0	4.3
G102.0	4.6	4.3	4.1	4.1	4.8	5.9	6.3	5.9	5.1	4.5
G103.0	4.8	4.4	4.2	4.3	5.0	6.2	6.5	6.2	5.3	4.7
G104.0	5.0	4.7	4.4	4.5	5.3	6.4	6.7	6.4	5.5	4.9
G105.0	5.2	4.8	4.6	4.7	5.5	6.6	6.9	6.6	5.7	5.0
G106.0	5.3	5.0	4.8	4.9	5.6	6.8	7.1	6.7	5.9	5.3
G107.0	5.6	5.2	4.9	5.1	5.8	7.0	7.3	7.0	6.1	5.4
G108.0	5.8	5.3	5.1	5.3	6.1	7.2	7.6	7.2	6.3	5.6
G109.0	5.9	5.6	5.3	5.5	6.3	7.4	7.8	7.4	6.5	5.8
G110.0	6.2	5.7	5.5	5.7	6.5	7.6	7.9	7.6	6.7	6.0

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	6.3	5.9	5.7	5.9	6.7	7.8	8.1	7.8	6.9	6.2
G112.0	6.5	6.1	5.8	6.1	6.9	8.1	8.4	8.0	7.1	6.4
G113.0	6.7	6.3	6.1	6.3	7.1	8.2	8.6	8.2	7.3	6.6
G114.0	7.0	6.5	6.3	6.5	7.3	8.5	8.8	8.4	7.6	6.8
G115.0	7.2	6.7	6.5	6.7	7.5	8.7	9.0	8.6	7.8	7.0
G116.0	7.3	6.9	6.6	6.9	7.8	8.9	9.2	8.8	8.0	7.2
G117.0	7.6	7.1	6.8	7.1	8.0	8.9	9.4	9.0	8.1	7.4
G118.0	7.8	7.3	7.0	7.3	8.1	9.3	9.6	9.2	8.4	7.6
G119.0	8.0	7.5	7.3	7.6	8.4	9.5	9.8	9.4	8.6	7.8
G120.0	8.1	7.7	7.4	7.8	8.6	9.7	10.0	9.6	8.8	8.0
G121.0	8.4	7.9	7.7	8.0	8.8	9.9	10.2	9.7	9.0	8.2
G122.0	8.6	8.1	7.9	8.2	9.1	10.1	10.4	10.0	9.2	8.5
G123.0	8.8	8.2	8.1	8.4	9.3	10.4	10.6	10.2	9.4	8.7
G124.0	9.0	8.5	8.2	8.6	9.4	10.6	10.8	10.4	9.6	8.8
G125.0	9.2	8.7	8.5	8.8	9.7	10.8	11.0	10.6	9.8	9.1
G126.0	9.4	8.8	8.7	9.1	9.9	10.9	11.2	10.8	10.0	9.3
G127.0	9.6	9.1	8.9	9.3	10.1	11.1	11.5	11.0	10.2	9.5
G128.0	9.8	9.3	9.1	9.5	10.3	11.4	11.7	11.2	10.4	9.7
G129.0	10.0	9.5	9.3	9.7	10.6	11.6	11.9	11.4	10.6	9.9
G130.0	10.2	9.7	9.5	9.9	10.8	11.7	12.1	11.6	10.9	10.1
G131.0	10.4	9.9	9.7	10.1	11.0	11.9	12.3	11.9	11.1	10.3
G132.0	10.6	10.1	9.9	10.4	11.2	12.1	12.5	12.1	11.4	10.6
G133.0	10.9	10.3	10.1	10.6	11.4	12.4	12.8	12.3	11.6	10.8
G134.0	11.1	10.6	10.3	10.8	11.6	12.6	13.0	12.5	11.8	11.0
G135.0	11.3	10.8	10.6	11.0	11.8	12.8	13.3	12.8	12.0	11.2
G136.0	11.5	11.0	10.8	11.2	12.0	12.9	13.5	13.0	12.2	11.5
G137.0	11.8	11.2	11.0	11.5	12.3	13.2	13.7	13.2	12.4	11.7
G138.0	11.9	11.4	11.2	11.7	12.5	13.4	13.9	13.4	12.6	11.9
G139.0	12.2	11.6	11.5	11.9	12.7	13.6	14.1	13.7	12.9	12.1
G140.0	12.4	11.8	11.7	12.1	12.9	13.8	14.4	13.9	13.1	12.4
G141.0	12.6	12.0	11.9	12.3	13.1	14.0	14.6	14.1	13.3	12.5
G142.0	12.9	12.3	12.1	12.5	13.3	14.2	14.8	14.4	13.5	12.7
G143.0	13.0	12.5	12.4	12.8	13.5	14.4	15.0	14.6	13.6	12.9
G144.0	13.3	12.7	12.6	13.0	13.8	14.6	15.1	14.8	13.9	13.1
G145.0	13.4	12.9	12.9	13.2	13.9	14.8	15.4	15.0	14.1	13.3
G146.0	13.6	13.1	13.0	13.4	14.1	15.0	15.5	15.1	14.3	13.5
G147.0	13.8	13.3	13.2	13.6	14.3	15.2	15.7	15.4	14.4	13.7

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	14.0	13.5	13.4	13.8	14.5	15.4	15.9	15.6	14.7	13.9
G149.0	14.2	13.8	13.6	14.0	14.7	15.5	16.1	15.7	14.9	14.1
G150.0	14.4	14.0	13.9	14.2	14.8	15.7	16.2	15.9	15.0	14.3
G151.0	14.6	14.1	14.1	14.4	15.0	15.9	16.4	16.1	15.2	14.4
G152.0	14.8	14.4	14.4	14.5	15.2	16.1	16.5	16.3	15.4	14.7
G153.0	14.9	14.6	14.6	14.7	15.4	16.2	16.7	16.4	15.6	14.8
G154.0	15.1	14.7	14.8	14.9	15.6	16.4	16.8	16.6	15.8	15.0
G155.0	15.3	14.9	14.9	15.1	15.7	16.5	17.0	16.8	15.9	15.3
G156.0	15.5	15.1	15.1	15.3	15.9	16.7	17.1	17.0	16.1	15.4
G157.0	15.7	15.3	15.4	15.4	16.1	16.8	17.2	17.1	16.3	15.6
G158.0	15.8	15.5	15.6	15.6	16.2	17.0	17.3	17.2	16.4	15.8
G159.0	15.9	15.6	15.8	15.8	16.4	17.1	17.5	17.3	16.6	16.0
G160.0	16.2	15.9	15.9	15.9	16.5	17.2	17.6	17.5	16.8	16.2
G161.0	16.3	16.1	16.1	16.2	16.6	17.3	17.7	17.6	16.9	16.3
G162.0	16.4	16.2	16.3	16.3	16.8	17.4	17.8	17.7	17.1	16.5
G163.0	16.6	16.4	16.5	16.5	16.9	17.5	17.9	17.8	17.2	16.7
G164.0	16.8	16.5	16.7	16.6	17.1	17.6	18.0	17.9	17.3	16.9
G165.0	16.9	16.7	16.9	16.8	17.2	17.7	18.1	18.0	17.5	17.0
G166.0	17.1	16.9	17.0	17.0	17.3	17.8	18.2	18.1	17.6	17.2
G167.0	17.2	17.0	17.2	17.1	17.5	17.8	18.3	18.2	17.7	17.3
G168.0	17.4	17.1	17.3	17.3	17.6	17.9	18.4	18.3	17.8	17.6
G169.0	17.5	17.3	17.5	17.5	17.7	18.0	18.5	18.3	17.9	17.7
G170.0	17.7	17.5	17.6	17.6	17.8	18.0	18.6	18.4	18.0	17.8
G171.0	17.8	17.6	17.7	17.8	17.8	18.1	18.6	18.4	18.1	18.0
G172.0	17.9	17.7	17.8	17.9	17.9	18.1	18.6	18.5	18.2	18.1
G173.0	18.1	17.8	17.9	18.0	18.0	18.1	18.7	18.5	18.3	18.3
G174.0	18.2	17.9	18.0	18.1	18.0	18.2	18.7	18.5	18.3	18.4
G175.0	18.3	18.0	18.1	18.3	18.1	18.2	18.8	18.6	18.4	18.5
G176.0	18.4	18.1	18.2	18.4	18.1	18.2	18.8	18.6	18.4	18.6
G177.0	18.5	18.3	18.3	18.5	18.2	18.2	18.8	18.6	18.5	18.7
G178.0	18.6	18.3	18.3	18.6	18.2	18.2	18.8	18.6	18.5	18.7
G179.0	18.7	18.4	18.4	18.6	18.3	18.2	18.8	18.5	18.5	18.7
G180.0	18.7	18.4	18.4	18.6	18.3	18.2	18.8	18.5	18.4	18.7

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\c	C300.0	C330.0	C360.0							
G0.0	1824.1	1821.2	1832.6							
G1.0	1823.4	1821.7	1834.1							
G2.0	1821.4	1821.3	1834.7							
G3.0	1818.8	1820.0	1834.9							
G4.0	1815.2	1818.2	1833.9							
G5.0	1810.6	1815.4	1832.4							
G6.0	1805.2	1811.3	1830.0							
G7.0	1798.9	1806.8	1826.6							
G8.0	1791.5	1801.2	1822.3							
G9.0	1783.5	1794.8	1817.3							
G10.0	1774.8	1787.7	1811.5							
G11.0	1764.6	1779.5	1804.7							
G12.0	1754.0	1770.6	1797.3							
G13.0	1742.9	1761.3	1789.2							
G14.0	1730.7	1750.4	1780.0							
G15.0	1717.5	1739.6	1770.5							
G16.0	1703.6	1727.1	1759.9							
G17.0	1689.6	1714.6	1748.6							
G18.0	1673.7	1701.0	1736.8							
G19.0	1658.1	1687.0	1724.0							
G20.0	1641.2	1671.9	1710.6							
G21.0	1624.4	1656.4	1696.4							
G22.0	1605.5	1639.9	1682.0							
G23.0	1587.9	1623.0	1666.2							
G24.0	1568.6	1605.7	1650.3							
G25.0	1548.9	1587.2	1633.7							
G26.0	1528.0	1568.7	1616.6							
G27.0	1507.8	1549.9	1598.7							
G28.0	1487.0	1529.6	1580.7							
G29.0	1465.8	1509.0	1561.3							
G30.0	1443.0	1488.1	1541.5							
G31.0	1420.5	1467.3	1522.2							
G32.0	1397.8	1445.5	1501.3							
G33.0	1374.4	1423.3	1480.8							
G34.0	1350.7	1400.6	1458.8							
G35.0	1326.7	1377.0	1437.8							
G36.0	1302.3	1354.1	1415.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1278.0	1329.9	1393.0							
G38.0	1252.9	1306.0	1369.4							
G39.0	1227.3	1281.5	1346.6							
G40.0	1202.5	1256.8	1322.3							
G41.0	1176.3	1231.1	1298.7							
G42.0	1150.9	1205.6	1274.4							
G43.0	1124.1	1180.0	1249.6							
G44.0	1097.8	1154.3	1224.9							
G45.0	1070.5	1127.9	1198.6							
G46.0	1044.8	1101.2	1172.8							
G47.0	1018.5	1074.3	1148.0							
G48.0	991.4	1047.4	1122.4							
G49.0	963.6	1020.9	1095.9							
G50.0	936.1	993.5	1068.7							
G51.0	908.6	964.4	1042.5							
G52.0	880.7	937.1	1015.3							
G53.0	852.8	909.0	988.3							
G54.0	825.3	881.2	960.5							
G55.0	797.0	852.6	933.3							
G56.0	769.2	823.3	905.2							
G57.0	740.7	795.3	877.6							
G58.0	712.3	767.0	849.1							
G59.0	683.0	736.6	821.3							
G60.0	655.0	708.6	792.0							
G61.0	626.2	678.7	763.7							
G62.0	597.2	649.7	734.8							
G63.0	567.5	619.4	706.0							
G64.0	538.9	590.7	676.4							
G65.0	510.4	560.2	647.3							
G66.0	481.4	530.4	618.3							
G67.0	451.8	500.6	588.6							
G68.0	423.0	471.4	559.1							
G69.0	394.6	441.1	529.8							
G70.0	365.2	410.6	499.2							
G71.0	337.8	382.1	469.9							
G72.0	308.1	352.6	440.6							
G73.0	280.5	323.1	410.1							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G/C	C300.0	C330.0	C360.0							
G74.0	252.7	293.3	381.1							
G75.0	226.5	265.9	351.8							
G76.0	198.2	237.3	322.6							
G77.0	173.0	210.2	293.7							
G78.0	148.4	182.5	265.4							
G79.0	123.8	156.4	236.7							
G80.0	100.8	131.3	210.3							
G81.0	80.3	107.8	182.2							
G82.0	60.2	85.2	156.8							
G83.0	43.2	64.9	131.3							
G84.0	28.4	45.7	107.1							
G85.0	17.1	30.2	84.9							
G86.0	8.9	17.2	64.6							
G87.0	3.7	8.6	45.9							
G88.0	2.3	3.5	30.2							
G89.0	2.4	2.4	17.5							
G90.0	2.5	2.5	8.2							
G91.0	2.6	2.6	3.6							
G92.0	2.7	2.7	3.0							
G93.0	2.9	2.8	3.2							
G94.0	3.0	3.0	3.3							
G95.0	3.2	3.2	3.6							
G96.0	3.3	3.3	3.6							
G97.0	3.5	3.5	3.8							
G98.0	3.6	3.6	3.9							
G99.0	3.8	3.8	4.1							
G100.0	4.0	4.0	4.2							
G101.0	4.1	4.1	4.4							
G102.0	4.3	4.3	4.6							
G103.0	4.4	4.4	4.8							
G104.0	4.6	4.6	5.0							
G105.0	4.8	4.8	5.2							
G106.0	5.0	5.0	5.3							
G107.0	5.1	5.1	5.6							
G108.0	5.3	5.3	5.8							
G109.0	5.5	5.5	5.9							
G110.0	5.7	5.7	6.2							

C Plane (°): 0.0-360.0: 30.0
Test Lab: 80
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

Candlepower Table (Continue 8)

Unit: cd

G/C	C300.0	C330.0	C360.0							
G111.0	5.9	5.8	6.3							
G112.0	6.1	6.0	6.5							
G113.0	6.3	6.2	6.7							
G114.0	6.4	6.4	7.0							
G115.0	6.6	6.6	7.2							
G116.0	6.8	6.7	7.3							
G117.0	7.0	6.9	7.6							
G118.0	7.2	7.1	7.8							
G119.0	7.4	7.3	8.0							
G120.0	7.6	7.5	8.1							
G121.0	7.8	7.7	8.4							
G122.0	7.9	7.9	8.6							
G123.0	8.1	8.0	8.8							
G124.0	8.4	8.2	9.0							
G125.0	8.5	8.4	9.2							
G126.0	8.7	8.6	9.4							
G127.0	8.9	8.8	9.6							
G128.0	9.1	9.0	9.8							
G129.0	9.4	9.2	10.0							
G130.0	9.5	9.4	10.2							
G131.0	9.7	9.6	10.4							
G132.0	10.0	9.9	10.6							
G133.0	10.2	10.1	10.9							
G134.0	10.4	10.3	11.1							
G135.0	10.6	10.5	11.3							
G136.0	10.9	10.7	11.5							
G137.0	11.1	10.9	11.8							
G138.0	11.2	11.1	11.9							
G139.0	11.5	11.4	12.2							
G140.0	11.7	11.6	12.4							
G141.0	11.9	11.8	12.6							
G142.0	12.1	12.0	12.9							
G143.0	12.4	12.3	13.0							
G144.0	12.6	12.5	13.3							
G145.0	12.9	12.7	13.4							
G146.0	13.1	12.9	13.6							
G147.0	13.3	13.1	13.8							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G/C	C300.0	C330.0	C360.0							
G148.0	13.5	13.3	14.0							
G149.0	13.8	13.5	14.2							
G150.0	14.0	13.7	14.4							
G151.0	14.2	14.0	14.6							
G152.0	14.4	14.2	14.8							
G153.0	14.6	14.4	14.9							
G154.0	14.8	14.6	15.1							
G155.0	15.0	14.7	15.3							
G156.0	15.2	14.9	15.5							
G157.0	15.4	15.1	15.7							
G158.0	15.6	15.3	15.8							
G159.0	15.7	15.5	15.9							
G160.0	15.9	15.7	16.2							
G161.0	16.1	15.9	16.3							
G162.0	16.3	16.0	16.4							
G163.0	16.5	16.2	16.6							
G164.0	16.6	16.4	16.8							
G165.0	16.8	16.5	16.9							
G166.0	17.0	16.6	17.1							
G167.0	17.1	16.8	17.2							
G168.0	17.3	17.0	17.4							
G169.0	17.4	17.1	17.5							
G170.0	17.5	17.2	17.7							
G171.0	17.7	17.4	17.8							
G172.0	17.8	17.5	17.9							
G173.0	17.9	17.7	18.1							
G174.0	18.0	17.8	18.2							
G175.0	18.0	17.8	18.3							
G176.0	18.1	18.1	18.4							
G177.0	18.2	18.0	18.5							
G178.0	18.2	18.1	18.6							
G179.0	18.3	18.1	18.7							
G180.0	18.3	18.2	18.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector: