

Report No.: 20200708

Test Time: 2020-07-12 10:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: NB

Luminaire Description: MX603C-LD54WDD-2X4

Lamp Catalog: 4000K

Number of Lamps: 140X2 70X2

Luminous Length (mm): 1200

Luminous Height (mm): 45

Current: 0.424 A

Power Factor: 0.993

Lamp Description: LP-UP10LPC-1150

Lumens per Lamp: 25-27 27-29LM

Luminous Width (mm): 600

Voltage: 118.9 V

Power: 50.03 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 6013.3 lm

Downward Ratio: 148.56%

Field Angle: H175.7 V212.7

Luminaire Efficacy Rating (LER): 120

Max. Intensity: 1528.31 cd

Total Rated Lamp Lumens: 3500.0 lm

Efficiency: 171.81%

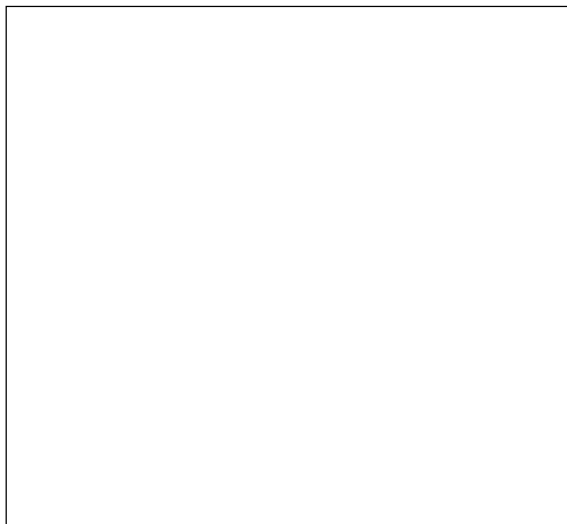
Upward Ratio: 23.25%

Beam Angle: H120.3 V126.8

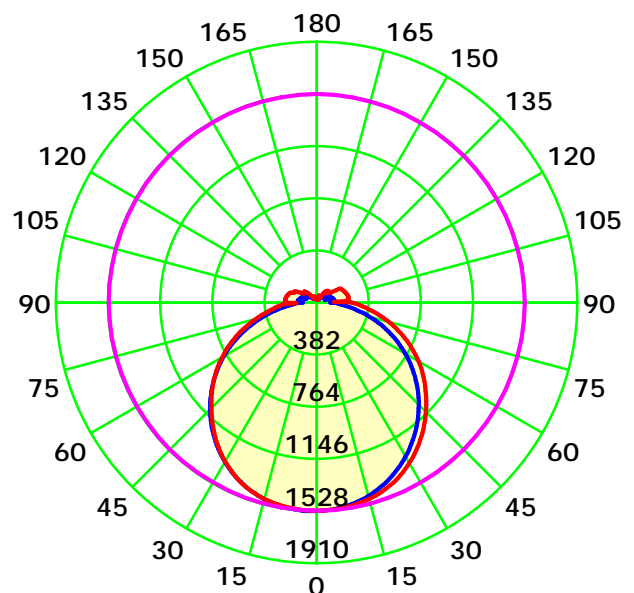
Central Intensity: 1527.66 cd

Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 123.5° Unit: cd

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 30.0

Test Lab: 70

Test Type: TYPE C

Temperature: 23

Operator: QIU

Gamma Plane (°):0.0-180.0: 1.0

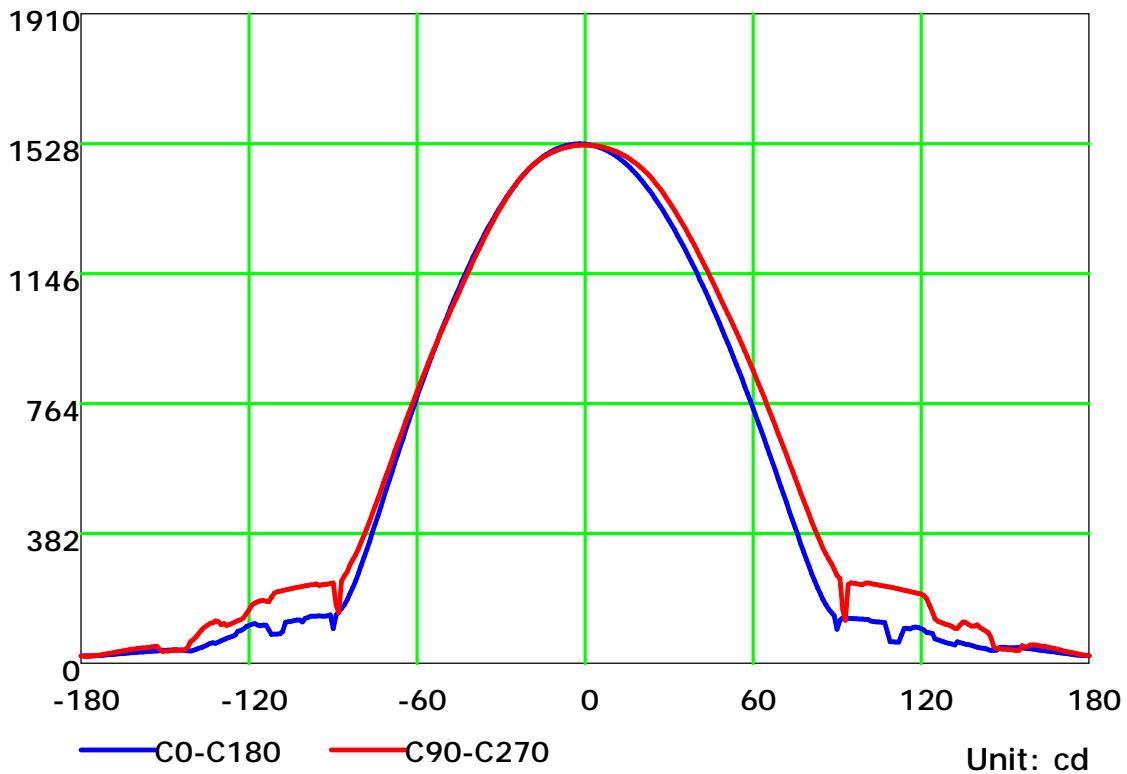
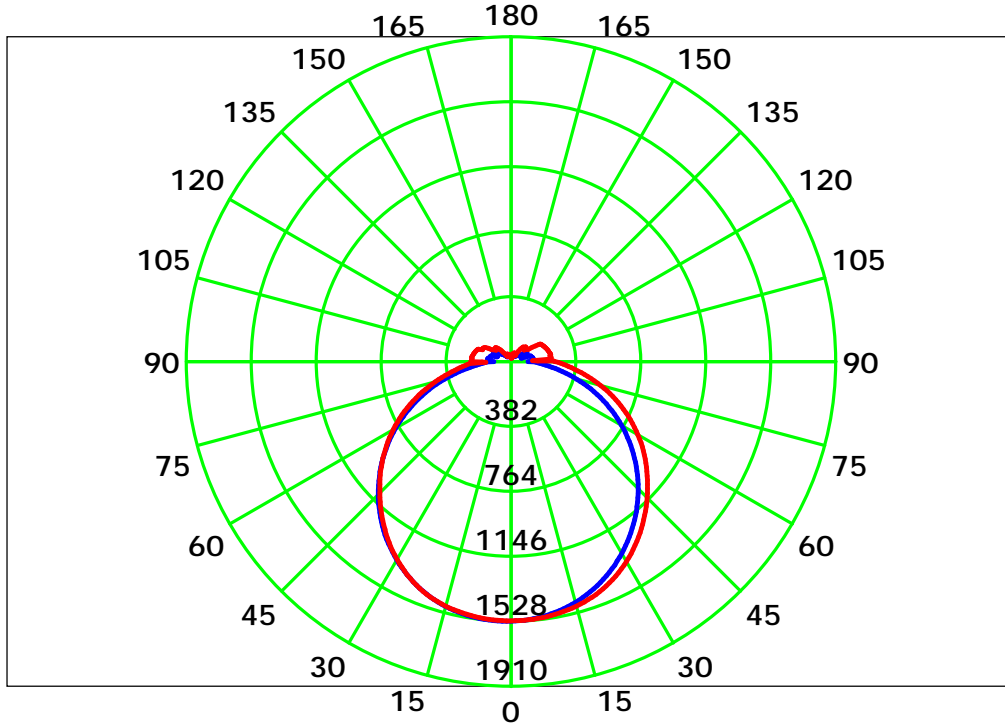
Test Device: GPM-1600L

Distance: 8.690 m

Humidity: 88

Inspector:

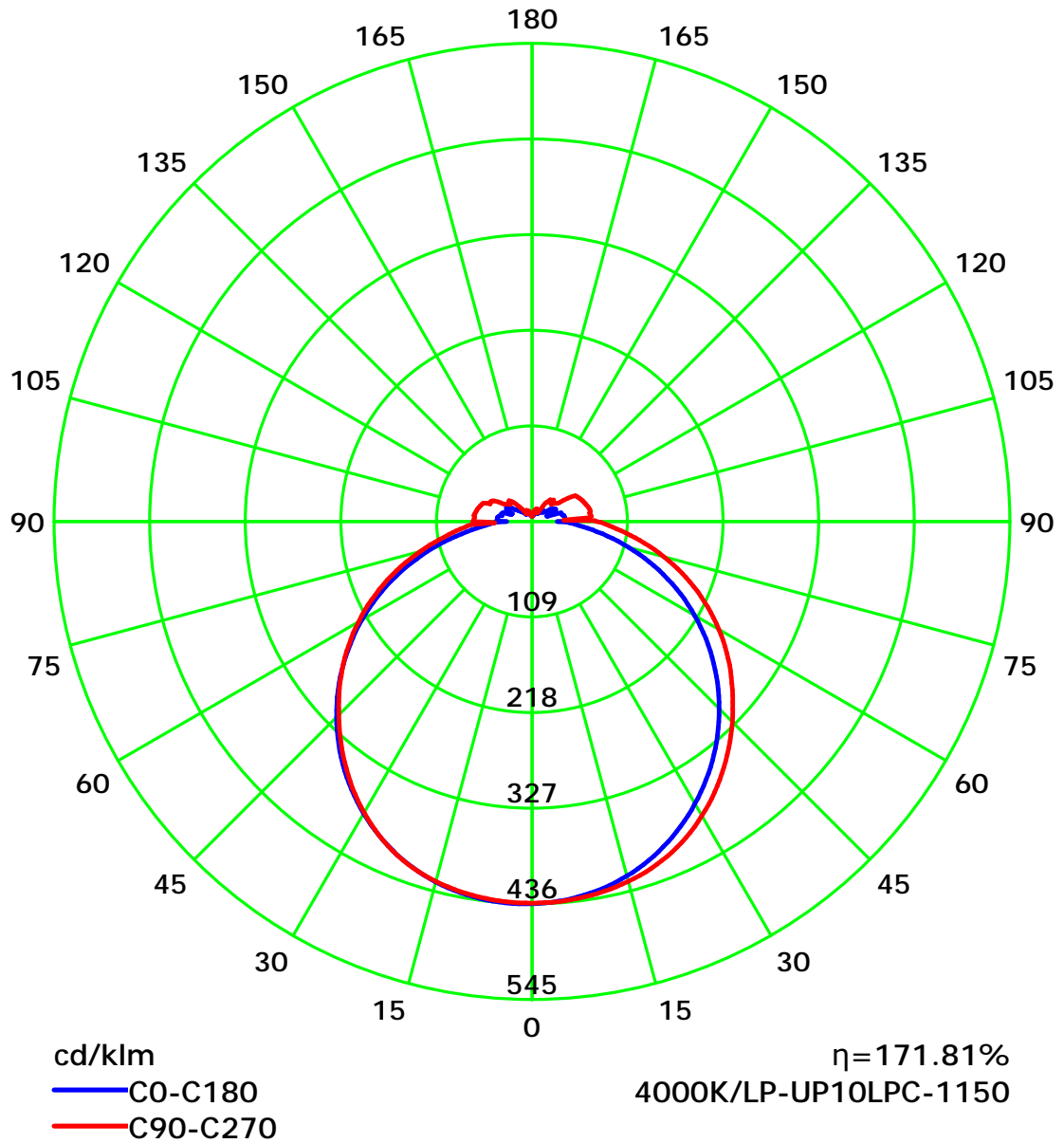
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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)



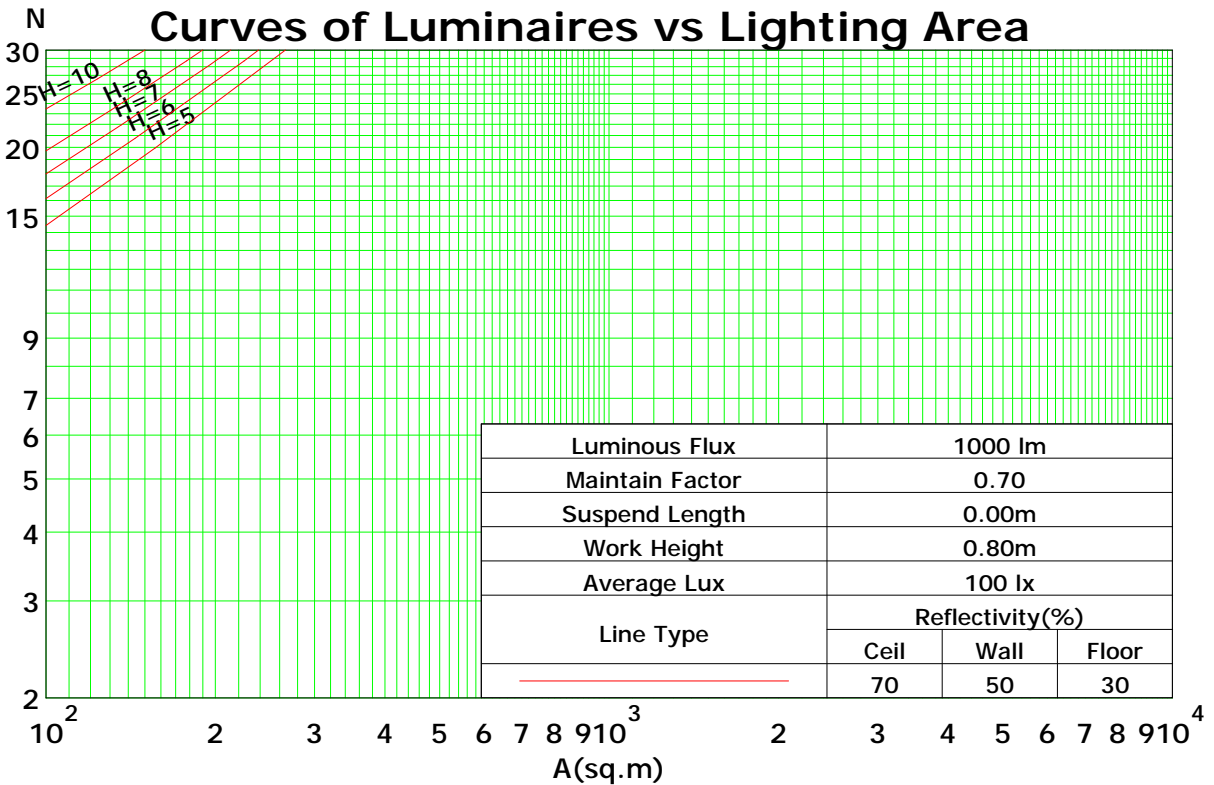
C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

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	199	199	199	199	192	192	192	192	178	178	178	165	165	165	154	154	154	149
1	178	169	161	153	171	163	155	148	151	145	139	140	135	131	131	127	123	118
2	161	145	133	122	154	140	129	119	130	121	112	121	113	106	113	106	101	95
3	146	127	112	100	140	122	108	97	114	102	93	106	96	88	98	91	84	79
4	133	112	96	84	127	108	93	82	100	88	78	94	83	75	87	78	71	67
5	122	99	83	71	117	96	81	70	89	77	67	84	73	64	78	69	61	57
6	112	89	73	62	108	86	71	60	80	68	58	75	64	56	71	61	54	49
7	104	80	65	54	100	78	63	53	73	60	51	68	57	49	64	55	47	43
8	97	73	58	48	93	71	57	47	67	54	45	63	52	44	59	49	42	38
9	90	67	52	43	86	65	51	42	61	49	41	58	47	39	54	45	38	34
10	84	61	48	39	81	60	47	38	56	45	37	53	43	35	50	41	34	31

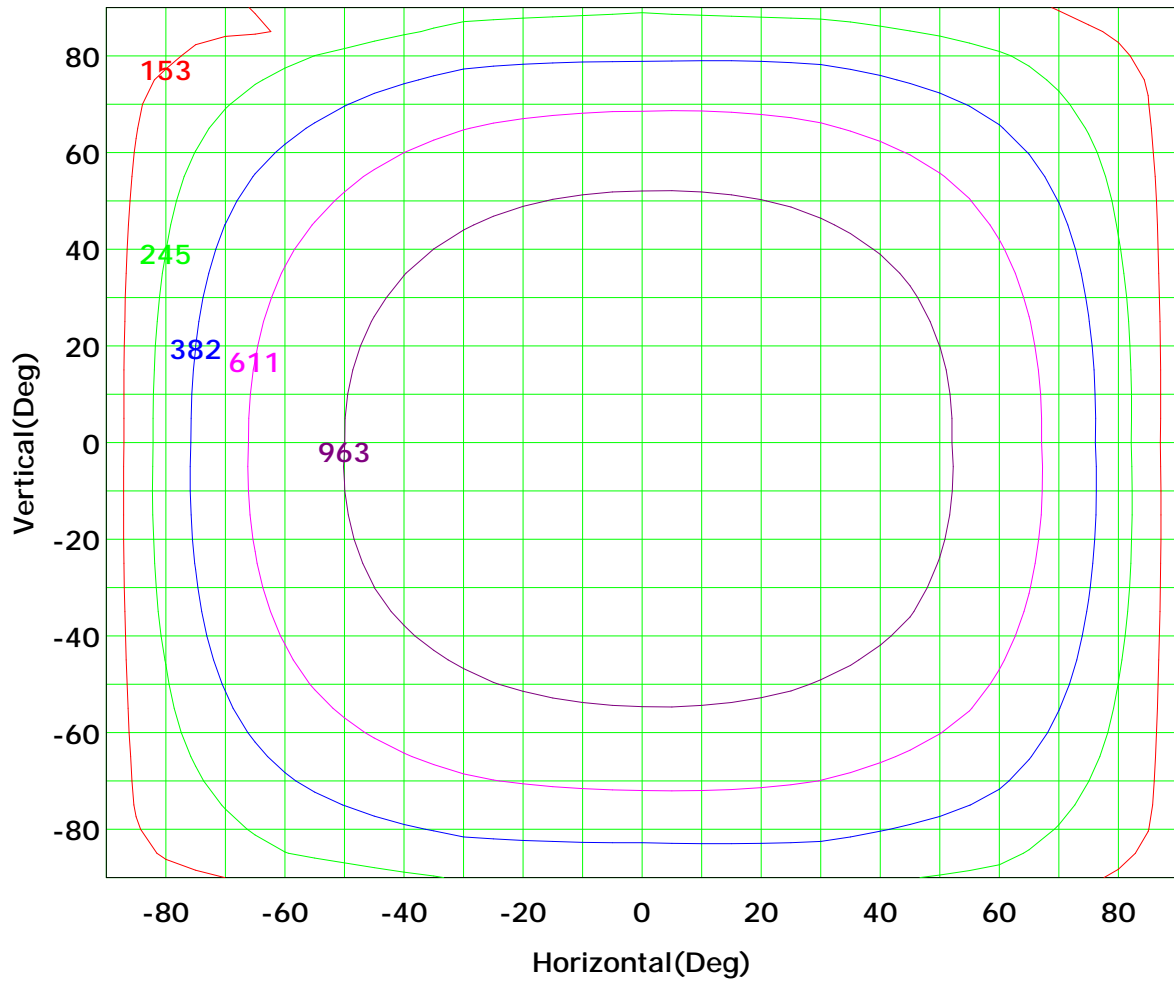
Spacing Criteria (0-180): 1.29
 Spacing Criteria (90-270): 1.31
 Spacing Criteria (Diagonal): 1.44



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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)



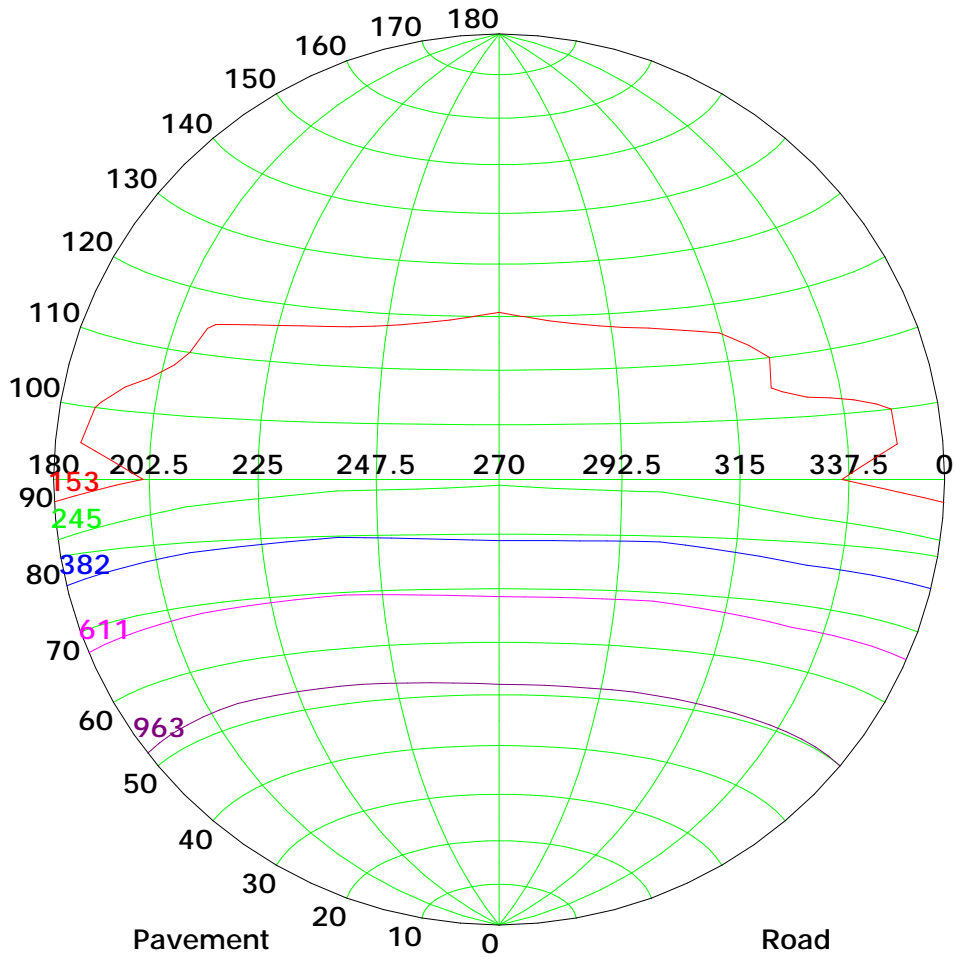
Imax (100%): 1528 cd

— (10%): 153 cd	— (16%): 245 cd
— (25%): 382 cd	— (40%): 611 cd
— (63%): 963 cd	— (100%): 1528 cd

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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)



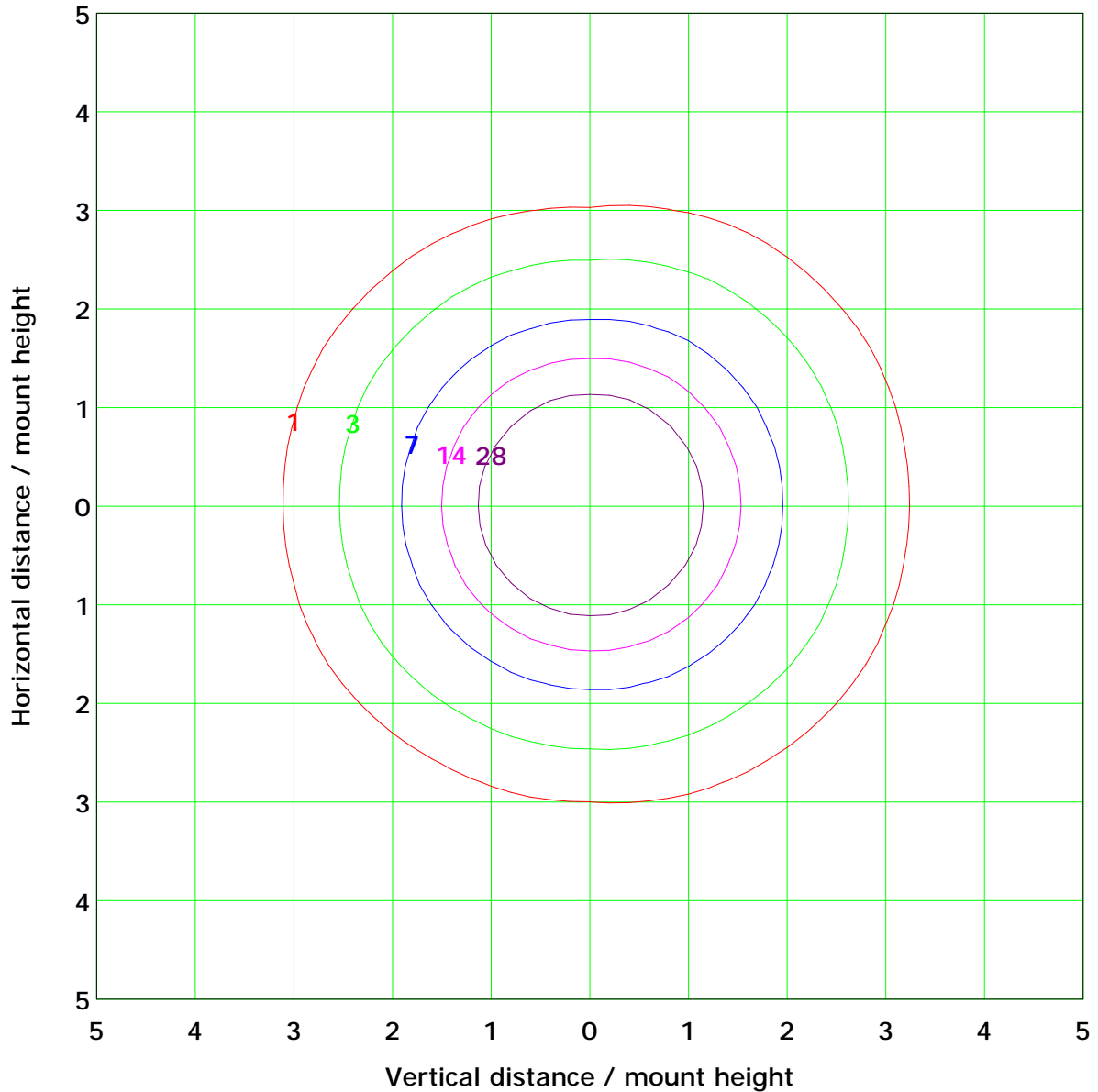
Imax (100%): 1528 cd

— (10%): 153 cd	— (16%): 245 cd
— (25%): 382 cd	— (40%): 611 cd
— (63%): 963 cd	— (100%): 1528 cd

C Plane (°):0.0-360.0: 30.0
Test Lab: 70
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



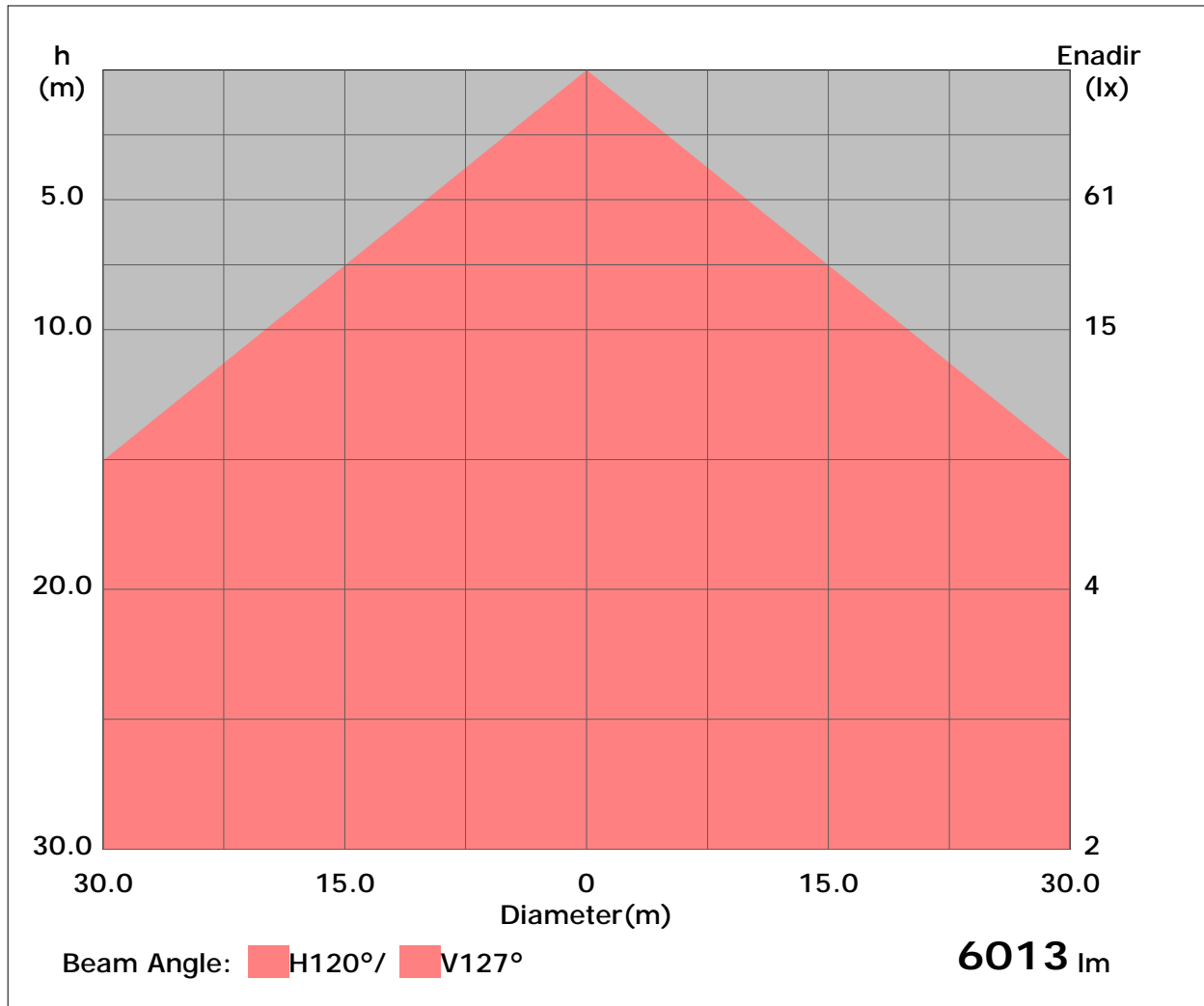
Mounting Height: 3.3m Max Lux(100%): 140.3 lx

— (1%): 1.4 lx	— (2%): 2.8 lx
— (5%): 7.0 lx	— (10%): 14.0 lx
— (20%): 28.1 lx	

C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
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 Inspector:

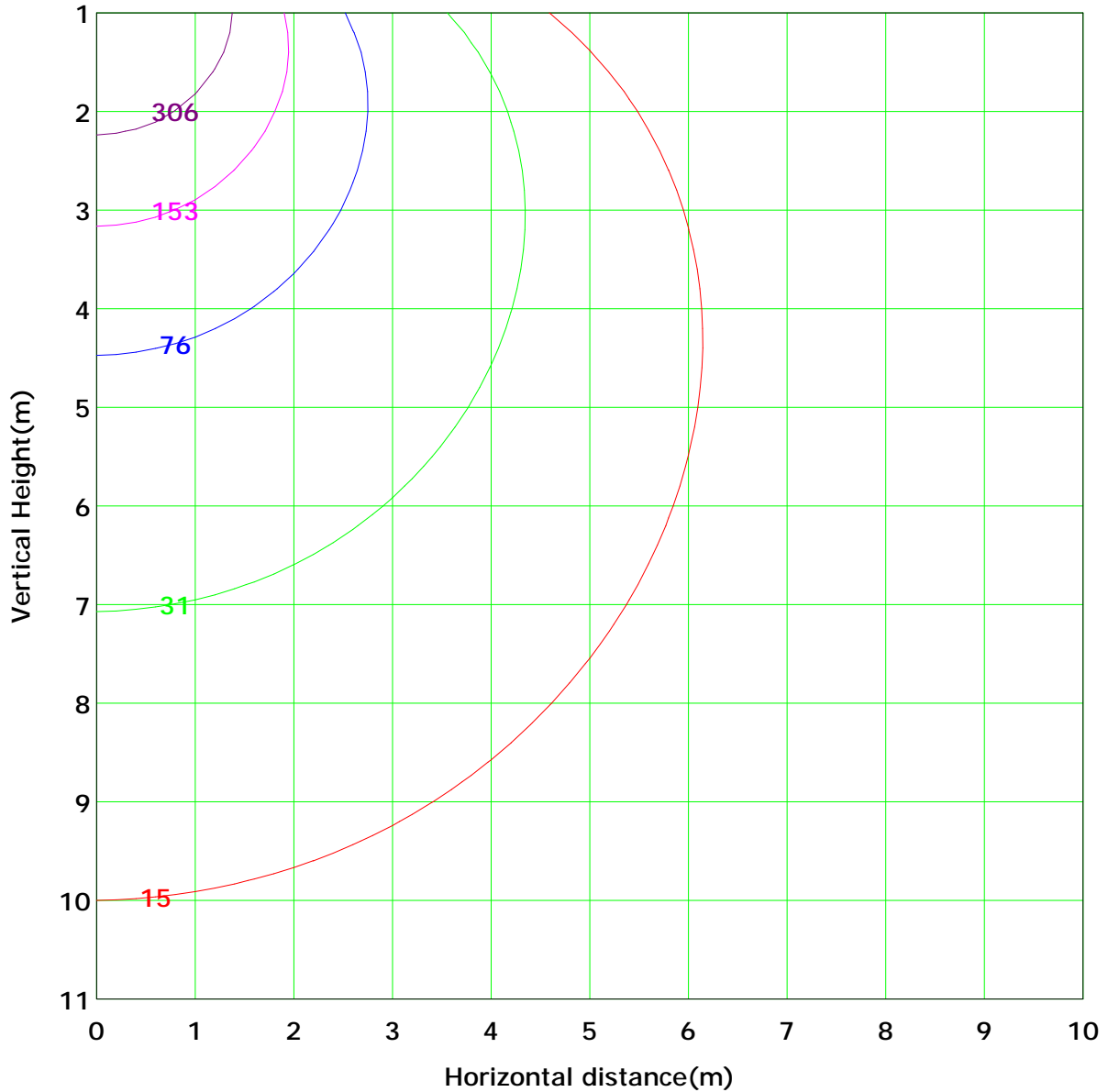
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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: 1527.7 lx
 (1%): 15.3 lx (2%): 30.6 lx
 (5%): 76.4 lx (10%): 152.8 lx
 (20%): 305.5 lx

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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:

Area Flux Table

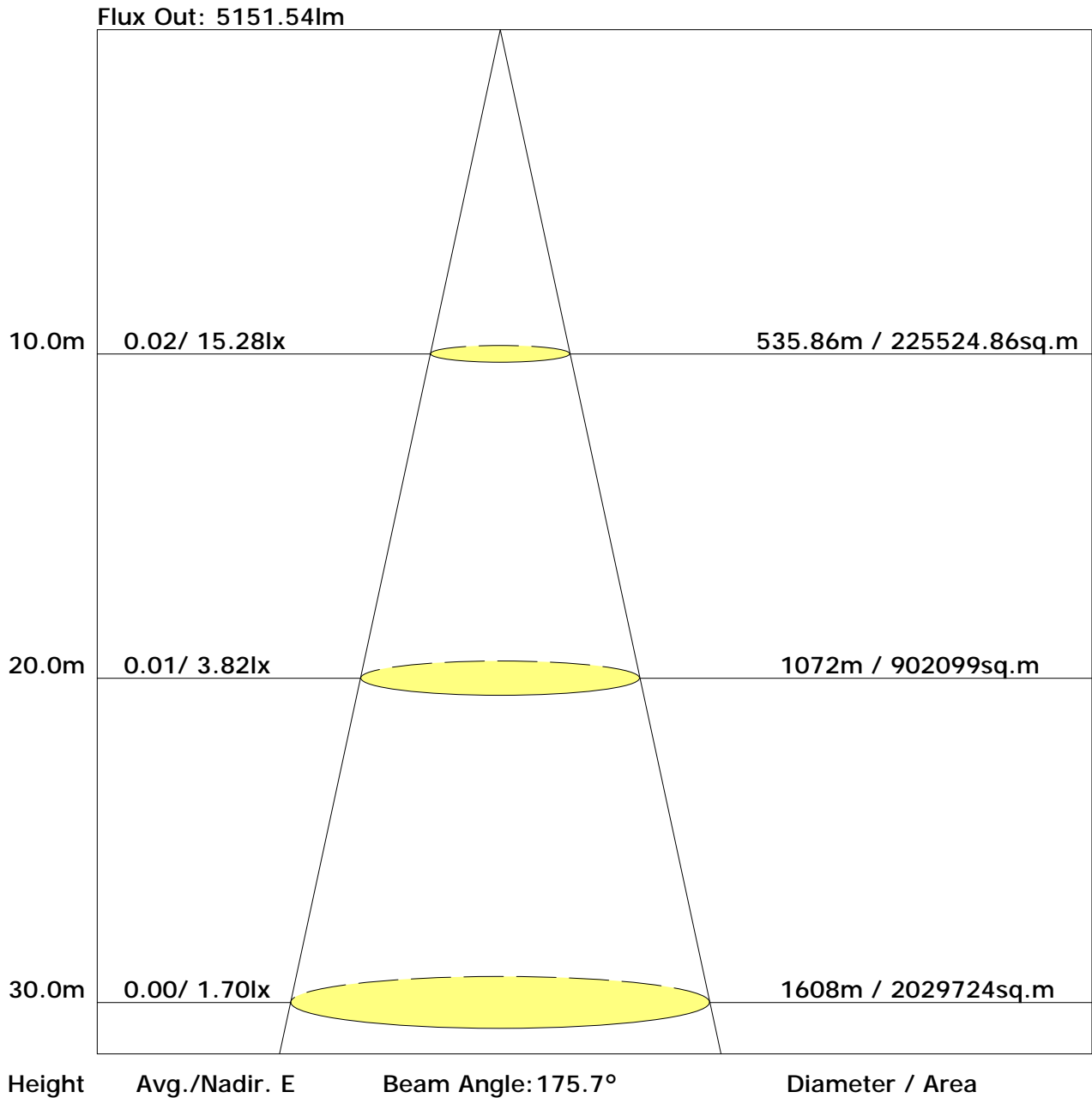
Unit: lm

		Vertical plane																																					
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90																			
Flux(E)	8.2	45.8	112.9	201.6	300.1	396.4	478.0	534.6	561.7	558.7	525.5	463.7	379.5	283.6	188.2	104.9	42.9	7.6	Flux(T)	9.3	46.2	112.9	201.6	300.1	396.4	478.0	534.6	561.7	558.7	525.5	463.7	379.5	283.6	188.2	104.9	42.9	Flux(T)Flux(E)	5199	5194
Horizontal plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90																			

C Plane (°): 0.0-360.0: 30.0
 Test Lab: 70
 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:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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

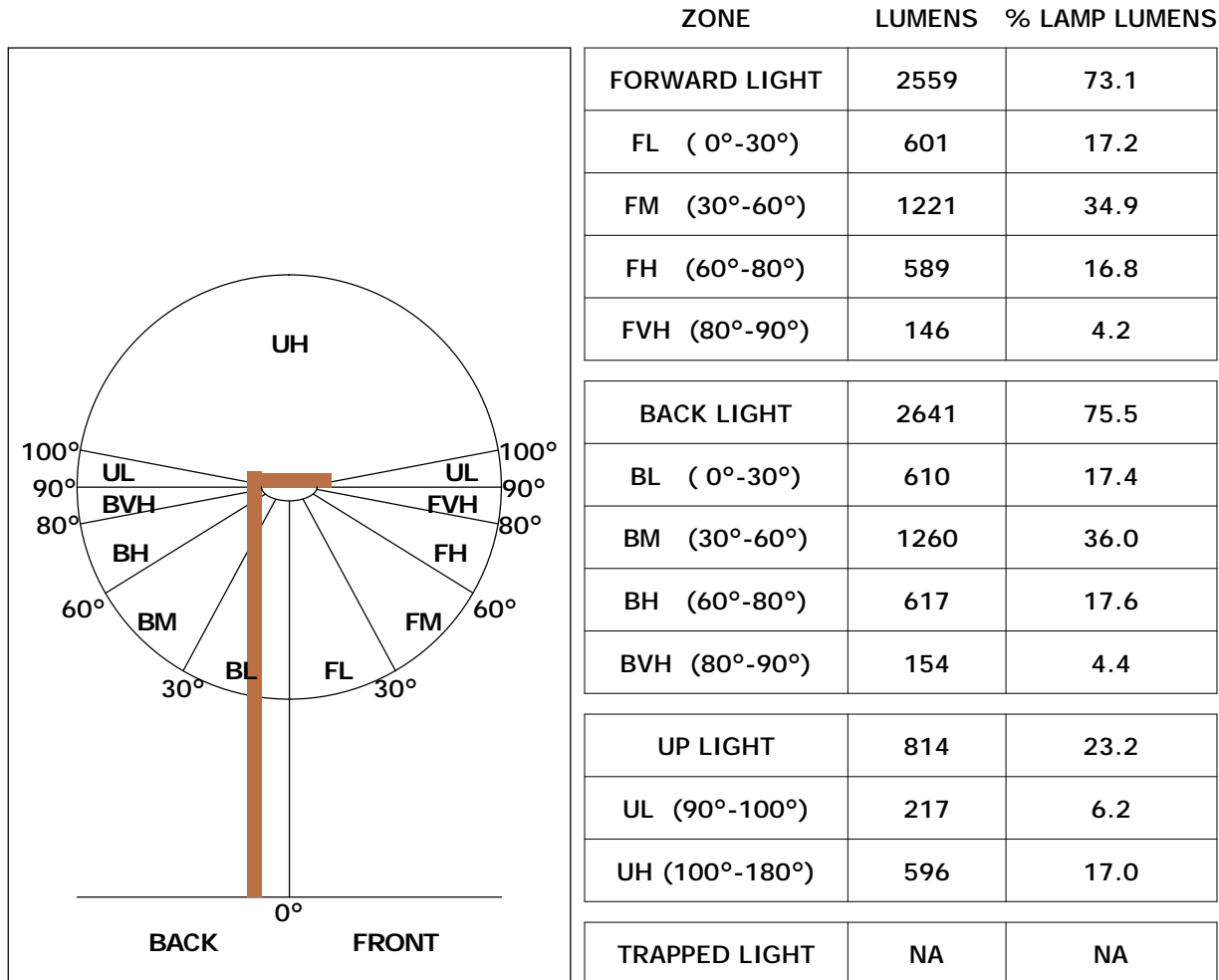
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	9.0	10.4	9.5	11.0	11.6	9.6	11.0	10.1	11.5	12.2
3H	11.0	12.3	11.6	12.9	13.6	11.9	13.2	12.4	13.7	14.4
4H	11.9	13.1	12.5	13.7	14.4	12.9	14.1	13.5	14.7	15.4
6H	12.6	13.8	13.2	14.4	15.1	13.9	15.0	14.5	15.6	16.3
8H	12.9	14.0	13.5	14.6	15.3	14.3	15.4	14.9	16.1	16.8
12H	13.2	14.3	13.8	14.9	15.6	14.8	15.8	15.4	16.4	17.2
X=4H Y=2H	9.7	10.9	10.3	11.5	12.2	10.3	11.5	10.9	12.1	12.8
3H	12.0	13.0	12.6	13.7	14.4	12.8	13.9	13.4	14.5	15.2
4H	13.0	14.0	13.6	14.6	15.3	14.0	15.0	14.7	15.6	16.4
6H	13.9	14.8	14.6	15.4	16.2	15.2	16.0	15.8	16.7	17.4
8H	14.3	15.1	15.0	15.8	16.5	15.7	16.5	16.4	17.2	17.9
12H	14.7	15.4	15.3	16.1	16.8	16.3	17.0	17.0	17.7	18.5
X=8H Y=4H	13.5	14.3	14.1	15.0	15.7	14.5	15.3	15.1	15.9	16.7
6H	14.6	15.3	15.3	16.0	16.7	15.8	16.5	16.5	17.2	18.0
8H	15.1	15.7	15.8	16.4	17.2	16.6	17.2	17.2	17.9	18.6
12H	15.6	16.2	16.3	16.9	17.7	17.3	17.8	18.0	18.5	19.3
X=12H Y=4H	13.6	14.3	14.3	15.0	15.8	14.6	15.3	15.2	16.0	16.7
6H	14.8	15.4	15.5	16.1	16.9	16.0	16.6	16.7	17.3	18.1
8H	15.4	15.9	16.1	16.6	17.5	16.8	17.3	17.5	18.0	18.9

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U5 G1

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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 = 1.50									
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	0.90	1.04	1.17	1.25	1.38	1.46	1.52	1.60	1.66	
	0.30		0.77	0.91	1.03	1.13	1.26	1.36	1.43	1.52	1.59	
	0.20		0.67	0.80	0.93	1.03	1.17	1.27	1.34	1.45	1.53	
0.50	0.50	0.20	0.85	0.98	1.09	1.17	1.29	1.36	1.42	1.49	1.54	
	0.30		0.74	0.86	0.98	1.07	1.19	1.28	1.34	1.43	1.49	
	0.20		0.65	0.78	0.89	0.98	1.11	1.20	1.27	1.37	1.43	
0.30	0.50	0.20	0.81	0.92	1.03	1.10	1.20	1.27	1.32	1.39	1.44	
	0.30		0.71	0.82	0.93	1.01	1.12	1.20	1.26	1.34	1.39	
	0.20		0.63	0.74	0.86	0.94	1.06	1.14	1.20	1.29	1.35	
0.00	0.00	0.00	0.57	0.67	0.78	0.85	0.96	1.03	1.09	1.16	1.22	
<p>Rating: 50W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	1.70	1.46	1.25	1.10	0.90	0.76	0.66	0.52	0.43	
	0.30		1.42	1.25	1.09	0.98	0.81	0.70	0.61	0.49	0.41	
	0.20		1.21	1.09	0.97	0.88	0.74	0.64	0.57	0.46	0.39	
0.50	0.50	0.20	1.59	1.36	1.17	1.03	0.84	0.75	0.61	0.49	0.40	
	0.30		1.35	1.18	1.03	0.92	0.77	0.65	0.57	0.46	0.39	
	0.20		1.17	1.05	0.93	0.84	0.71	0.61	0.54	0.44	0.37	
0.30	0.50	0.20	1.50	1.27	1.09	0.96	0.78	0.66	0.57	0.45	0.38	
	0.30		1.28	1.12	0.98	0.87	0.72	0.62	0.54	0.43	0.36	
	0.20		1.12	1.00	0.88	0.80	0.67	0.58	0.51	0.41	0.35	
0.00	0.00	0.00	0.92	0.82	0.71	0.64	0.53	0.46	0.40	0.32	0.27	
<p>Rating: 50W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50									
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	0.51	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.60	
	0.30		0.39	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.55	
	0.20		0.31	0.33	0.36	0.38	0.41	0.43	0.45	0.48	0.50	
0.50	0.50	0.20	0.49	0.51	0.53	0.54	0.55	0.56	0.57	0.57	0.58	
	0.30		0.38	0.41	0.43	0.45	0.47	0.49	0.50	0.52	0.53	
	0.20		0.31	0.33	0.35	0.37	0.40	0.42	0.44	0.47	0.49	
0.30	0.50	0.20	0.48	0.50	0.51	0.52	0.53	0.54	0.54	0.55	0.55	
	0.30		0.38	0.40	0.42	0.43	0.46	0.47	0.48	0.50	0.51	
	0.20		0.30	0.33	0.35	0.36	0.39	0.42	0.43	0.46	0.47	
0.00	0.00	0.00	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	
<p>Rating: 50W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1524.8	1.5	1.5	0.04	0.04
1.0-2.0	1524.5	4.4	5.8	0.13	0.17
2.0-3.0	1523.8	7.3	13.1	0.21	0.37
3.0-4.0	1522.8	10.2	23.3	0.29	0.67
4.0-5.0	1521.4	13.1	36.4	0.37	1.04
5.0-6.0	1519.7	16.0	52.4	0.46	1.50
6.0-7.0	1517.5	18.8	71.2	0.54	2.03
7.0-8.0	1514.9	21.7	92.9	0.62	2.65
8.0-9.0	1512.1	24.5	117.4	0.70	3.35
9.0-10.0	1508.8	27.3	144.7	0.78	4.13
10.0-11.0	1505.1	30.1	174.8	0.86	4.99
11.0-12.0	1501.0	32.8	207.6	0.94	5.93
12.0-13.0	1496.5	35.5	243.1	1.01	6.95
13.0-14.0	1491.7	38.2	281.3	1.09	8.04
14.0-15.0	1486.3	40.8	322.1	1.17	9.20
15.0-16.0	1480.6	43.4	365.5	1.24	10.44
16.0-17.0	1474.5	45.9	411.4	1.31	11.76
17.0-18.0	1468.0	48.4	459.9	1.38	13.14
18.0-19.0	1460.9	50.8	510.7	1.45	14.59
19.0-20.0	1453.4	53.2	563.9	1.52	16.11
20.0-21.0	1445.5	55.5	619.4	1.59	17.70
21.0-22.0	1437.1	57.8	677.2	1.65	19.35
22.0-23.0	1428.2	59.9	737.1	1.71	21.06
23.0-24.0	1418.7	62.0	799.1	1.77	22.83
24.0-25.0	1408.7	64.1	863.2	1.83	24.66
25.0-26.0	1398.2	66.0	929.2	1.89	26.55
26.0-27.0	1387.3	67.9	997.1	1.94	28.49
27.0-28.0	1376.0	69.7	1066.8	1.99	30.48
28.0-29.0	1364.1	71.4	1138.1	2.04	32.52
29.0-30.0	1351.8	73.0	1211.1	2.09	34.60
30.0-31.0	1339.1	74.5	1285.7	2.13	36.73
31.0-32.0	1325.9	76.0	1361.6	2.17	38.90
32.0-33.0	1312.4	77.3	1439.0	2.21	41.11
33.0-34.0	1298.4	78.6	1517.6	2.25	43.36
34.0-35.0	1284.1	79.8	1597.3	2.28	45.64
35.0-36.0	1269.5	80.8	1678.2	2.31	47.95

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	1254.4	81.8	1760.0	2.34	50.29
37.0-38.0	1239.0	82.7	1842.7	2.36	52.65
38.0-39.0	1223.3	83.5	1926.2	2.39	55.03
39.0-40.0	1207.1	84.2	2010.4	2.41	57.44
40.0-41.0	1190.6	84.8	2095.2	2.42	59.86
41.0-42.0	1173.6	85.3	2180.5	2.44	62.30
42.0-43.0	1156.4	85.7	2266.1	2.45	64.75
43.0-44.0	1139.0	86.0	2352.1	2.46	67.20
44.0-45.0	1121.2	86.2	2438.3	2.46	69.67
45.0-46.0	1103.2	86.3	2524.6	2.47	72.13
46.0-47.0	1085.0	86.3	2610.9	2.47	74.60
47.0-48.0	1066.4	86.2	2697.1	2.46	77.06
48.0-49.0	1047.7	86.0	2783.2	2.46	79.52
49.0-50.0	1028.8	85.8	2868.9	2.45	81.97
50.0-51.0	1009.7	85.4	2954.4	2.44	84.41
51.0-52.0	990.4	85.0	3039.4	2.43	86.84
52.0-53.0	971.0	84.5	3123.9	2.41	89.25
53.0-54.0	951.3	83.9	3207.7	2.40	91.65
54.0-55.0	931.3	83.1	3290.9	2.38	94.02
55.0-56.0	911.0	82.3	3373.2	2.35	96.38
56.0-57.0	890.6	81.4	3454.6	2.33	98.70
57.0-58.0	869.9	80.4	3535.1	2.30	101.00
58.0-59.0	848.9	79.4	3614.5	2.27	103.27
59.0-60.0	827.7	78.2	3692.7	2.23	105.50
60.0-61.0	806.1	76.9	3769.6	2.20	107.70
61.0-62.0	784.2	75.6	3845.2	2.16	109.86
62.0-63.0	762.4	74.2	3919.3	2.12	111.98
63.0-64.0	740.4	72.7	3992.0	2.08	114.06
64.0-65.0	718.1	71.1	4063.1	2.03	116.09
65.0-66.0	695.7	69.4	4132.5	1.98	118.07
66.0-67.0	673.2	67.7	4200.2	1.93	120.01
67.0-68.0	650.6	65.9	4266.1	1.88	121.89
68.0-69.0	627.8	64.1	4330.2	1.83	123.72
69.0-70.0	604.9	62.1	4392.3	1.78	125.49
70.0-71.0	582.1	60.2	4452.5	1.72	127.21
71.0-72.0	559.1	58.1	4510.6	1.66	128.88

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	536.2	56.1	4566.7	1.60	130.48
73.0-74.0	513.2	54.0	4620.7	1.54	132.02
74.0-75.0	490.3	51.8	4672.5	1.48	133.50
75.0-76.0	467.6	49.6	4722.1	1.42	134.92
76.0-77.0	445.3	47.5	4769.6	1.36	136.27
77.0-78.0	423.1	45.3	4814.9	1.29	137.57
78.0-79.0	401.2	43.1	4858.0	1.23	138.80
79.0-80.0	379.9	41.0	4899.0	1.17	139.97
80.0-81.0	359.2	38.8	4937.8	1.11	141.08
81.0-82.0	339.2	36.8	4974.6	1.05	142.13
82.0-83.0	320.1	34.8	5009.4	0.99	143.13
83.0-84.0	302.1	32.9	5042.3	0.94	144.07
84.0-85.0	285.0	31.1	5073.4	0.89	144.96
85.0-86.0	268.3	29.3	5102.8	0.84	145.79
86.0-87.0	250.8	27.5	5130.2	0.78	146.58
87.0-88.0	225.7	24.7	5155.0	0.71	147.28
88.0-89.0	206.7	22.7	5177.6	0.65	147.93
89.0-90.0	201.6	22.1	5199.7	0.63	148.56
90.0-91.0	197.8	21.7	5221.4	0.62	149.18
91.0-92.0	187.5	20.6	5242.0	0.59	149.77
92.0-93.0	179.8	19.7	5261.7	0.56	150.33
93.0-94.0	190.8	20.9	5282.6	0.60	150.93
94.0-95.0	202.8	22.2	5304.7	0.63	151.56
95.0-96.0	205.8	22.5	5327.2	0.64	152.21
96.0-97.0	207.2	22.6	5349.8	0.65	152.85
97.0-98.0	207.3	22.5	5372.3	0.64	153.49
98.0-99.0	206.7	22.4	5394.7	0.64	154.14
99.0-100.0	205.8	22.3	5417.0	0.64	154.77
100.0-101.0	204.7	22.1	5439.1	0.63	155.40
101.0-102.0	203.6	21.9	5460.9	0.63	156.03
102.0-103.0	201.8	21.6	5482.5	0.62	156.64
103.0-104.0	197.7	21.1	5503.6	0.60	157.25
104.0-105.0	193.4	20.5	5524.2	0.59	157.83
105.0-106.0	190.3	20.1	5544.3	0.57	158.41
106.0-107.0	185.8	19.5	5563.8	0.56	158.97
107.0-108.0	179.6	18.8	5582.6	0.54	159.50

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	172.9	18.0	5600.6	0.51	160.02
109.0-110.0	167.7	17.3	5617.9	0.50	160.51
110.0-111.0	165.9	17.0	5634.9	0.49	161.00
111.0-112.0	164.5	16.8	5651.7	0.48	161.48
112.0-113.0	164.1	16.6	5668.3	0.47	161.95
113.0-114.0	165.8	16.7	5685.0	0.48	162.43
114.0-115.0	165.1	16.5	5701.5	0.47	162.90
115.0-116.0	161.8	16.0	5717.5	0.46	163.36
116.0-117.0	158.2	15.5	5733.0	0.44	163.80
117.0-118.0	154.4	15.0	5748.0	0.43	164.23
118.0-119.0	149.0	14.4	5762.4	0.41	164.64
119.0-120.0	141.9	13.5	5775.9	0.39	165.03
120.0-121.0	134.6	12.7	5788.7	0.36	165.39
121.0-122.0	127.4	11.9	5800.6	0.34	165.73
122.0-123.0	121.0	11.2	5811.8	0.32	166.05
123.0-124.0	116.0	10.6	5822.4	0.30	166.35
124.0-125.0	110.8	10.0	5832.4	0.29	166.64
125.0-126.0	106.0	9.5	5841.9	0.27	166.91
126.0-127.0	103.0	9.1	5850.9	0.26	167.17
127.0-128.0	100.4	8.7	5859.7	0.25	167.42
128.0-129.0	97.3	8.4	5868.0	0.24	167.66
129.0-130.0	94.8	8.0	5876.0	0.23	167.89
130.0-131.0	93.0	7.8	5883.8	0.22	168.11
131.0-132.0	90.1	7.4	5891.2	0.21	168.32
132.0-133.0	86.7	7.0	5898.2	0.20	168.52
133.0-134.0	83.9	6.7	5904.9	0.19	168.71
134.0-135.0	81.2	6.4	5911.2	0.18	168.89
135.0-136.0	78.6	6.0	5917.3	0.17	169.07
136.0-137.0	75.8	5.7	5923.0	0.16	169.23
137.0-138.0	72.7	5.4	5928.4	0.15	169.38
138.0-139.0	70.0	5.1	5933.5	0.15	169.53
139.0-140.0	68.2	4.9	5938.3	0.14	169.67
140.0-141.0	66.7	4.7	5943.0	0.13	169.80
141.0-142.0	64.8	4.4	5947.4	0.13	169.93
142.0-143.0	63.0	4.2	5951.6	0.12	170.05
143.0-144.0	61.8	4.0	5955.6	0.12	170.16

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	60.3	3.8	5959.5	0.11	170.27
145.0-146.0	58.2	3.6	5963.1	0.10	170.37
146.0-147.0	56.4	3.4	5966.5	0.10	170.47
147.0-148.0	55.7	3.3	5969.8	0.09	170.57
148.0-149.0	55.3	3.2	5973.0	0.09	170.66
149.0-150.0	54.5	3.0	5976.0	0.09	170.74
150.0-151.0	53.5	2.9	5978.9	0.08	170.82
151.0-152.0	52.6	2.8	5981.6	0.08	170.90
152.0-153.0	52.2	2.6	5984.3	0.08	170.98
153.0-154.0	51.5	2.5	5986.8	0.07	171.05
154.0-155.0	50.5	2.4	5989.2	0.07	171.12
155.0-156.0	49.9	2.3	5991.4	0.06	171.18
156.0-157.0	49.2	2.2	5993.6	0.06	171.25
157.0-158.0	48.0	2.0	5995.6	0.06	171.30
158.0-159.0	47.3	1.9	5997.5	0.05	171.36
159.0-160.0	46.5	1.8	5999.3	0.05	171.41
160.0-161.0	45.5	1.7	6001.0	0.05	171.46
161.0-162.0	44.4	1.5	6002.5	0.04	171.50
162.0-163.0	43.1	1.4	6003.9	0.04	171.54
163.0-164.0	41.7	1.3	6005.2	0.04	171.58
164.0-165.0	40.3	1.2	6006.4	0.03	171.61
165.0-166.0	38.7	1.1	6007.5	0.03	171.64
166.0-167.0	37.2	1.0	6008.4	0.03	171.67
167.0-168.0	35.7	0.8	6009.3	0.02	171.69
168.0-169.0	34.2	0.7	6010.0	0.02	171.71
169.0-170.0	32.7	0.7	6010.7	0.02	171.73
170.0-171.0	31.3	0.6	6011.2	0.02	171.75
171.0-172.0	29.9	0.5	6011.7	0.01	171.76
172.0-173.0	28.6	0.4	6012.1	0.01	171.78
173.0-174.0	27.4	0.3	6012.5	0.01	171.78
174.0-175.0	26.2	0.3	6012.7	0.01	171.79
175.0-176.0	25.2	0.2	6013.0	0.01	171.80
176.0-177.0	24.3	0.2	6013.1	0.00	171.80
177.0-178.0	23.6	0.1	6013.2	0.00	171.81
178.0-179.0	23.2	0.1	6013.3	0.00	171.81
179.0-180.0	23.1	0.0	6013.3	0.00	171.81

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	1527.7	1525.5	1525.3	1524.7	1523.6	1522.4	1527.7	1525.5	1525.3	1524.7
G1.0	1526.6	1524.6	1524.6	1524.5	1523.8	1522.8	1528.1	1526.1	1525.7	1524.8
G2.0	1525.3	1523.3	1523.7	1524.1	1523.5	1522.9	1528.3	1526.3	1525.9	1524.5
G3.0	1523.3	1521.7	1522.6	1523.3	1523.1	1522.7	1528.1	1526.2	1525.6	1523.9
G4.0	1521.0	1519.6	1521.1	1522.4	1522.5	1522.0	1527.4	1525.7	1524.9	1522.9
G5.0	1518.4	1517.2	1519.4	1521.1	1521.3	1521.0	1526.4	1524.8	1523.9	1521.4
G6.0	1515.2	1514.3	1517.2	1519.5	1519.9	1519.6	1524.8	1523.4	1522.5	1519.7
G7.0	1511.7	1511.2	1514.7	1517.3	1517.9	1517.8	1522.8	1521.6	1520.7	1517.7
G8.0	1507.6	1507.8	1511.8	1515.0	1515.7	1515.5	1520.5	1519.4	1518.6	1515.4
G9.0	1503.1	1503.7	1508.6	1512.3	1513.2	1513.0	1517.7	1516.9	1516.3	1512.9
G10.0	1498.2	1499.5	1505.0	1509.3	1510.3	1510.0	1514.4	1513.8	1513.4	1509.8
G11.0	1492.9	1494.6	1501.2	1505.9	1507.0	1506.5	1510.5	1510.4	1510.4	1506.5
G12.0	1487.1	1489.4	1497.0	1502.4	1503.4	1502.9	1506.2	1506.7	1506.6	1502.7
G13.0	1480.8	1483.5	1492.4	1498.2	1499.6	1498.7	1501.7	1502.5	1502.9	1498.5
G14.0	1473.8	1477.4	1487.5	1493.7	1495.5	1494.1	1496.5	1497.7	1498.6	1493.9
G15.0	1466.5	1471.0	1482.1	1488.9	1490.7	1489.0	1490.8	1492.7	1493.7	1488.9
G16.0	1458.9	1464.1	1476.6	1483.7	1485.6	1483.8	1484.7	1487.2	1488.5	1483.3
G17.0	1450.5	1456.9	1470.5	1478.1	1480.4	1477.9	1478.2	1481.3	1483.0	1477.6
G18.0	1441.8	1449.2	1464.1	1472.2	1474.8	1471.8	1470.9	1474.8	1477.0	1471.0
G19.0	1432.5	1440.9	1457.1	1465.7	1468.6	1465.0	1463.6	1468.1	1470.3	1464.1
G20.0	1422.8	1432.7	1449.9	1458.5	1462.1	1458.0	1455.2	1460.5	1463.4	1456.4
G21.0	1413.1	1423.7	1442.1	1451.2	1455.1	1450.5	1446.7	1453.4	1456.0	1447.9
G22.0	1401.9	1414.0	1434.1	1443.1	1447.7	1442.7	1437.8	1444.8	1448.3	1438.7
G23.0	1391.2	1404.6	1425.6	1434.5	1439.8	1434.5	1427.8	1436.6	1439.4	1429.1
G24.0	1379.7	1394.6	1416.4	1425.2	1431.6	1425.4	1417.8	1427.0	1430.2	1418.3
G25.0	1367.8	1384.2	1407.0	1415.3	1422.7	1416.7	1407.2	1417.2	1419.7	1407.2
G26.0	1355.5	1373.1	1396.7	1405.0	1413.3	1407.2	1396.1	1407.4	1409.1	1395.5
G27.0	1343.6	1362.1	1386.6	1394.1	1403.3	1397.0	1384.4	1396.8	1397.8	1383.3
G28.0	1329.8	1350.5	1375.4	1382.6	1393.1	1386.7	1372.5	1386.1	1386.2	1370.5
G29.0	1316.7	1338.7	1363.8	1370.7	1382.1	1376.2	1360.3	1374.4	1373.9	1357.2
G30.0	1302.5	1325.8	1351.8	1358.4	1370.5	1365.1	1347.5	1362.9	1361.2	1343.8
G31.0	1289.0	1313.9	1339.2	1345.6	1358.9	1353.7	1333.8	1350.4	1348.0	1329.9
G32.0	1274.2	1300.9	1325.8	1332.5	1346.3	1341.8	1320.2	1338.2	1334.4	1314.8
G33.0	1259.7	1287.5	1312.8	1319.2	1333.7	1329.6	1305.9	1325.2	1320.2	1299.8
G34.0	1244.3	1273.7	1299.2	1305.1	1320.5	1316.6	1291.8	1311.8	1305.8	1284.6
G35.0	1229.6	1260.0	1285.0	1290.9	1307.1	1303.9	1277.1	1297.2	1290.5	1268.5
G36.0	1213.4	1245.7	1270.3	1276.6	1292.7	1290.1	1261.7	1283.0	1275.7	1252.3

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	1197.3	1231.3	1255.8	1261.6	1278.3	1277.0	1245.8	1268.3	1259.8	1235.3
G38.0	1181.6	1216.3	1240.1	1246.3	1263.8	1262.6	1229.7	1252.8	1243.8	1218.6
G39.0	1164.9	1201.4	1225.1	1231.2	1249.2	1248.1	1212.9	1237.4	1226.9	1201.3
G40.0	1148.0	1185.8	1209.6	1214.6	1233.6	1233.3	1196.4	1221.1	1209.8	1184.2
G41.0	1130.2	1169.9	1193.9	1198.4	1218.7	1218.7	1178.6	1204.2	1192.5	1165.9
G42.0	1112.5	1153.5	1176.8	1182.8	1202.5	1202.3	1161.0	1186.5	1174.7	1147.6
G43.0	1095.0	1136.7	1160.6	1165.9	1186.4	1186.5	1143.2	1169.3	1157.0	1129.7
G44.0	1076.3	1119.5	1143.9	1149.4	1169.4	1170.0	1124.8	1151.8	1138.7	1111.3
G45.0	1058.0	1102.4	1126.7	1132.3	1153.2	1153.4	1105.6	1132.9	1119.5	1093.0
G46.0	1039.7	1084.6	1109.2	1115.4	1135.9	1136.5	1086.9	1114.5	1101.1	1075.3
G47.0	1020.9	1066.6	1091.8	1097.8	1118.8	1118.7	1067.5	1095.0	1081.6	1057.2
G48.0	1001.1	1048.5	1073.8	1080.3	1101.1	1100.7	1048.3	1075.7	1062.9	1039.4
G49.0	982.2	1030.1	1056.3	1062.9	1083.3	1082.7	1027.3	1055.8	1043.6	1020.6
G50.0	961.6	1011.3	1037.7	1045.6	1065.2	1063.8	1007.6	1036.1	1025.1	1002.5
G51.0	942.5	992.4	1019.8	1028.3	1047.0	1045.2	986.4	1015.2	1006.3	983.1
G52.0	921.5	972.5	1001.4	1011.2	1028.6	1025.4	965.8	995.1	987.2	964.5
G53.0	901.8	953.3	983.6	994.1	1010.5	1006.3	943.8	972.8	968.0	945.3
G54.0	880.8	933.3	965.3	976.1	992.1	986.8	922.9	951.5	948.5	925.5
G55.0	859.9	913.4	947.1	957.3	974.2	967.0	900.2	929.8	928.5	905.0
G56.0	838.6	893.0	928.6	938.7	955.7	946.5	877.8	907.5	908.8	885.0
G57.0	816.5	872.1	910.8	920.7	937.1	925.7	855.7	884.9	888.1	864.4
G58.0	794.6	851.7	891.5	901.6	918.4	904.5	832.8	862.1	867.4	844.1
G59.0	773.4	830.5	872.9	881.6	899.7	883.7	809.7	838.9	846.3	822.5
G60.0	750.7	808.9	853.4	862.4	880.3	862.0	786.5	816.2	825.4	800.8
G61.0	728.8	787.8	834.3	842.5	860.5	840.1	762.2	791.9	803.7	779.8
G62.0	706.0	765.7	814.2	822.2	840.2	817.7	738.1	768.7	781.8	758.6
G63.0	683.8	744.5	794.7	802.2	820.5	796.1	713.8	744.9	759.2	736.6
G64.0	660.0	722.1	773.7	782.3	799.7	774.2	689.6	721.3	738.1	714.4
G65.0	637.5	699.8	753.9	760.9	779.6	751.3	664.4	697.8	715.1	691.9
G66.0	614.0	677.9	733.7	740.4	758.1	728.1	640.0	674.5	692.5	669.3
G67.0	590.3	655.4	712.3	719.6	736.8	705.0	614.4	651.4	669.8	646.7
G68.0	567.1	634.6	691.7	697.6	715.5	681.8	589.6	627.1	647.2	624.2
G69.0	543.3	612.7	669.9	676.4	694.4	658.9	564.3	603.1	623.5	600.8
G70.0	519.3	590.8	649.0	655.3	673.1	635.9	538.7	579.0	600.7	577.5
G71.0	495.9	569.3	627.8	633.9	650.6	613.1	513.0	554.6	577.4	554.9
G72.0	472.3	547.1	606.0	612.1	628.8	591.0	487.2	530.2	553.7	532.3
G73.0	447.5	524.9	584.4	590.7	607.1	567.5	461.8	506.2	530.9	508.6

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	423.9	502.6	563.3	568.7	584.9	545.5	435.5	481.9	507.9	485.8
G75.0	400.0	480.7	541.7	546.2	562.9	522.3	410.7	458.4	485.0	463.2
G76.0	377.4	458.9	520.3	524.8	540.8	498.8	385.6	433.8	462.5	441.4
G77.0	353.8	437.4	498.4	502.9	518.9	476.0	360.0	411.8	440.8	419.6
G78.0	330.7	415.9	477.2	481.3	497.0	453.8	335.9	388.6	418.6	397.2
G79.0	307.6	394.8	456.2	459.5	474.8	431.0	311.7	367.0	397.7	377.0
G80.0	285.9	374.1	435.5	438.2	454.0	408.8	288.0	345.2	376.7	356.9
G81.0	263.9	353.5	415.1	417.3	432.9	386.4	265.9	325.5	357.0	338.5
G82.0	243.8	334.2	395.4	396.6	412.2	365.7	243.7	305.4	338.7	320.9
G83.0	224.0	314.9	375.9	377.0	391.2	345.0	223.9	287.0	321.3	305.1
G84.0	205.5	296.9	358.1	358.4	372.4	325.1	205.2	269.9	305.7	290.2
G85.0	188.4	279.6	339.9	339.6	353.6	305.5	188.8	254.5	290.7	270.8
G86.0	173.6	264.4	323.9	323.0	336.2	288.2	173.9	239.7	273.6	258.5
G87.0	160.8	249.5	308.5	307.6	320.0	271.2	162.0	221.8	246.5	243.6
G88.0	150.2	236.4	294.6	293.6	304.9	256.2	152.5	186.5	195.8	150.2
G89.0	141.5	218.1	280.1	277.8	290.8	242.0	143.0	164.4	180.7	173.1
G90.0	100.7	179.2	252.6	259.4	270.6	223.7	102.8	173.7	212.4	237.4
G91.0	127.8	149.8	200.0	250.6	247.5	183.8	143.6	186.9	230.1	235.7
G92.0	134.9	162.9	160.4	158.2	167.5	154.2	140.7	191.1	235.1	233.8
G93.0	133.9	178.6	184.4	127.3	155.5	171.1	139.3	195.4	237.5	232.9
G94.0	133.5	187.3	221.3	232.8	222.7	187.9	139.8	199.2	238.4	231.7
G95.0	133.1	193.8	231.3	237.5	234.7	195.8	140.8	197.3	238.9	230.5
G96.0	132.6	196.9	235.4	236.6	239.7	201.4	140.0	198.5	242.0	234.9
G97.0	132.1	198.5	237.1	235.2	241.7	204.2	139.7	203.5	240.0	232.0
G98.0	131.6	200.3	237.8	233.7	242.9	205.4	139.3	203.5	240.9	231.9
G99.0	131.0	201.4	243.2	232.3	245.8	206.4	135.5	203.1	233.7	230.4
G100.0	130.5	201.2	243.5	237.0	247.4	207.6	132.9	200.6	228.3	228.8
G101.0	130.0	200.9	242.7	237.2	246.9	207.5	122.5	200.4	223.6	227.3
G102.0	126.0	200.4	232.5	235.8	244.5	207.0	128.9	198.1	228.3	225.8
G103.0	123.9	199.6	225.7	234.3	235.5	206.4	128.4	190.6	229.6	224.2
G104.0	123.1	198.4	222.5	232.6	231.4	205.6	127.0	188.0	228.0	222.5
G105.0	122.6	196.7	222.7	231.1	230.0	204.3	125.2	167.9	226.5	220.8
G106.0	122.0	193.6	225.9	229.6	233.1	203.3	124.1	149.6	224.4	219.1
G107.0	121.0	148.3	228.0	228.1	234.5	201.2	121.9	143.4	221.8	217.2
G108.0	90.9	142.6	228.0	226.5	234.2	178.0	94.8	135.8	219.1	215.4
G109.0	64.9	136.8	226.5	224.9	232.5	149.7	88.1	132.9	211.9	213.5
G110.0	64.4	116.5	224.7	223.2	230.6	139.8	87.4	158.2	196.5	211.5

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	64.0	148.6	222.5	221.6	228.3	137.1	86.7	159.7	190.8	208.0
G112.0	63.7	153.9	217.9	219.9	225.0	134.8	86.2	156.7	185.8	195.1
G113.0	83.0	150.1	213.8	218.0	219.3	160.7	99.5	157.7	181.0	182.3
G114.0	104.2	146.7	210.6	216.3	215.4	161.6	113.7	155.7	177.0	184.3
G115.0	103.7	143.2	206.3	214.4	211.4	158.4	113.3	151.8	172.4	186.0
G116.0	102.2	140.9	202.6	212.5	206.2	156.1	111.8	146.5	166.1	184.5
G117.0	105.4	150.0	199.2	210.6	202.0	153.9	113.4	141.9	152.2	181.8
G118.0	108.2	147.0	195.1	208.7	195.0	149.8	117.7	136.3	142.0	177.9
G119.0	106.6	142.4	182.1	206.5	178.3	147.1	116.1	130.4	130.4	172.4
G120.0	103.0	137.2	162.3	204.4	158.4	143.4	112.9	123.7	127.0	158.2
G121.0	99.7	129.3	138.0	201.1	142.4	142.7	109.7	119.0	124.2	147.2
G122.0	92.2	122.8	126.3	190.8	128.1	139.4	101.9	113.7	120.9	134.8
G123.0	91.2	117.6	124.0	172.1	124.5	134.9	97.7	108.5	117.2	129.1
G124.0	89.0	111.8	121.6	151.9	121.5	129.1	95.6	105.1	113.3	126.2
G125.0	73.1	106.1	119.3	132.4	118.9	123.5	83.8	101.4	115.7	122.6
G126.0	69.6	101.3	116.4	124.5	116.0	118.6	80.7	96.9	117.8	119.2
G127.0	66.9	93.8	114.6	121.9	112.6	114.4	77.6	92.5	120.4	115.1
G128.0	64.3	85.8	111.0	118.6	109.6	108.7	74.5	88.7	126.9	112.0
G129.0	61.6	78.7	107.0	115.7	109.5	103.3	71.1	84.3	123.0	118.0
G130.0	59.4	73.1	118.0	113.1	122.4	98.0	67.7	79.4	117.5	114.7
G131.0	57.4	67.7	124.7	109.3	127.0	92.8	63.8	75.1	112.0	123.8
G132.0	55.3	62.1	120.8	104.0	123.8	88.7	59.6	70.6	107.3	125.5
G133.0	64.6	56.8	115.4	104.2	119.2	84.5	61.9	66.1	102.6	120.3
G134.0	62.1	51.3	108.0	114.3	114.5	79.7	59.8	62.2	97.6	118.0
G135.0	59.7	49.1	100.4	122.5	113.8	75.5	55.5	57.8	91.3	112.3
G136.0	56.5	51.3	92.6	120.7	115.6	71.6	51.1	56.2	85.7	106.7
G137.0	56.3	52.0	86.6	115.7	110.7	68.0	47.3	56.2	80.6	98.8
G138.0	54.3	54.1	81.5	111.0	105.9	64.2	46.0	55.7	75.2	89.0
G139.0	51.5	54.9	78.3	111.0	101.5	63.2	42.3	55.9	70.7	79.0
G140.0	48.3	56.9	75.7	114.0	96.6	62.8	38.9	55.1	70.0	70.4
G141.0	46.5	61.9	72.6	106.8	91.8	62.2	37.2	54.5	68.7	64.4
G142.0	45.5	63.8	71.6	101.4	85.7	61.4	38.1	55.6	67.5	47.2
G143.0	44.4	65.9	70.0	96.3	80.9	60.6	39.4	55.1	66.3	40.8
G144.0	41.1	67.4	69.3	90.6	78.4	61.1	40.3	54.4	64.7	40.2
G145.0	39.4	67.0	70.8	76.4	75.8	61.6	39.9	53.7	63.5	39.7
G146.0	39.5	67.5	72.8	49.7	74.0	60.9	41.2	53.0	61.7	39.2
G147.0	39.6	67.6	71.8	45.2	73.2	60.1	41.0	52.6	59.3	38.8

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	47.7	68.1	70.2	43.6	70.9	59.6	40.4	52.3	56.4	38.2
G149.0	48.1	68.7	69.1	43.0	69.0	59.2	39.9	51.9	55.0	37.6
G150.0	48.0	67.7	67.7	42.4	66.6	58.9	39.3	51.3	52.8	37.0
G151.0	47.0	67.9	66.5	41.9	63.9	58.4	38.8	50.4	49.7	36.5
G152.0	46.1	66.7	66.1	41.1	62.1	57.4	38.2	49.1	47.4	42.5
G153.0	46.3	65.4	65.4	40.2	60.1	56.3	37.6	47.9	46.4	51.4
G154.0	47.3	63.7	63.8	39.5	57.9	54.8	37.0	46.7	45.3	50.1
G155.0	47.3	62.2	62.3	39.1	56.3	53.5	36.5	45.5	43.8	49.1
G156.0	46.4	60.7	60.7	53.4	54.3	52.1	35.9	44.2	42.7	47.9
G157.0	45.5	59.2	59.0	49.0	52.5	50.8	35.2	43.0	42.2	46.5
G158.0	44.5	57.5	57.4	49.8	50.8	49.5	34.6	41.8	42.1	46.6
G159.0	43.5	55.8	56.3	54.6	49.9	48.1	34.0	40.5	41.8	45.3
G160.0	42.5	54.1	55.5	55.4	49.5	46.6	33.3	39.1	41.3	44.3
G161.0	41.4	52.3	55.1	54.8	48.8	45.3	32.7	37.9	40.4	42.9
G162.0	40.4	50.7	54.0	53.3	48.0	43.9	32.0	36.6	39.0	42.6
G163.0	39.3	48.8	52.6	51.6	47.0	42.4	31.3	35.3	37.6	41.1
G164.0	38.3	47.0	50.4	51.3	45.2	40.9	30.6	34.0	36.3	39.5
G165.0	37.2	45.1	48.4	49.5	43.3	39.4	29.9	32.8	34.8	38.0
G166.0	36.1	43.3	46.3	47.5	41.2	38.0	29.2	31.6	33.3	36.5
G167.0	35.0	41.4	44.3	45.5	39.2	36.5	28.6	30.4	32.0	34.9
G168.0	33.9	39.7	42.2	43.5	37.5	35.1	27.8	29.2	30.6	33.3
G169.0	32.8	37.8	40.2	41.5	35.7	33.7	27.2	28.0	29.2	31.9
G170.0	31.7	35.9	38.3	39.6	33.8	32.3	26.4	26.9	27.8	30.4
G171.0	30.6	33.8	36.6	37.6	32.2	30.8	25.8	25.9	26.6	29.0
G172.0	29.4	31.7	35.0	35.8	30.6	29.5	25.0	24.8	25.5	27.6
G173.0	28.4	30.7	33.2	33.9	29.2	28.2	24.3	23.8	24.6	26.3
G174.0	27.3	29.4	31.6	32.2	28.1	27.0	23.6	22.8	23.9	25.1
G175.0	26.2	27.8	30.0	30.4	27.2	25.7	23.0	22.0	23.2	24.0
G176.0	25.4	26.7	28.5	28.8	26.2	24.5	22.8	21.6	22.6	23.0
G177.0	24.8	25.6	27.0	27.1	25.3	23.9	23.0	21.5	21.9	22.2
G178.0	24.3	24.6	25.6	25.6	24.2	23.5	23.1	21.8	21.6	21.4
G179.0	23.8	23.9	24.5	24.3	23.4	23.1	23.2	22.4	22.3	22.0
G180.0	23.4	23.2	23.5	23.2	22.6	22.6	23.4	23.1	23.4	23.1

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	1523.6	1522.4	1527.7							
G1.0	1523.3	1521.7	1526.6							
G2.0	1522.6	1520.5	1525.3							
G3.0	1521.7	1518.9	1523.3							
G4.0	1520.3	1516.9	1521.0							
G5.0	1518.4	1514.6	1518.4							
G6.0	1516.2	1511.8	1515.2							
G7.0	1513.7	1508.6	1511.7							
G8.0	1510.8	1505.0	1507.6							
G9.0	1507.7	1501.0	1503.1							
G10.0	1504.2	1496.4	1498.2							
G11.0	1500.3	1491.5	1492.9							
G12.0	1496.1	1486.0	1487.1							
G13.0	1491.5	1480.4	1480.8							
G14.0	1486.3	1474.2	1473.8							
G15.0	1481.1	1467.7	1466.5							
G16.0	1475.0	1460.5	1458.9							
G17.0	1469.1	1452.9	1450.5							
G18.0	1462.2	1444.9	1441.8							
G19.0	1455.1	1436.7	1432.5							
G20.0	1447.5	1427.7	1422.8							
G21.0	1439.7	1418.4	1413.1							
G22.0	1431.0	1408.8	1401.9							
G23.0	1421.4	1398.7	1391.2							
G24.0	1411.6	1388.2	1379.7							
G25.0	1401.3	1377.0	1367.8							
G26.0	1390.1	1365.8	1355.5							
G27.0	1378.5	1354.0	1343.6							
G28.0	1366.5	1341.8	1329.8							
G29.0	1353.4	1329.2	1316.7							
G30.0	1340.2	1316.2	1302.5							
G31.0	1326.3	1302.9	1289.0							
G32.0	1312.5	1289.3	1274.2							
G33.0	1297.2	1275.1	1259.7							
G34.0	1282.8	1260.7	1244.3							
G35.0	1267.0	1245.9	1229.6							
G36.0	1251.9	1231.2	1213.4							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	1235.5	1215.6	1197.3							
G38.0	1218.9	1200.4	1181.6							
G39.0	1202.0	1183.3	1164.9							
G40.0	1184.6	1166.5	1148.0							
G41.0	1166.5	1148.9	1130.2							
G42.0	1148.8	1131.6	1112.5							
G43.0	1129.9	1113.7	1095.0							
G44.0	1111.7	1095.1	1076.3							
G45.0	1092.8	1076.8	1058.0							
G46.0	1073.7	1057.7	1039.7							
G47.0	1054.3	1038.2	1020.9							
G48.0	1035.1	1018.6	1001.1							
G49.0	1015.2	998.7	982.2							
G50.0	996.6	978.4	961.6							
G51.0	977.8	957.8	942.5							
G52.0	959.2	936.4	921.5							
G53.0	939.8	915.5	901.8							
G54.0	920.1	894.2	880.8							
G55.0	900.6	871.7	859.9							
G56.0	880.5	850.0	838.6							
G57.0	859.9	827.5	816.5							
G58.0	839.6	804.9	794.6							
G59.0	818.7	782.4	773.4							
G60.0	797.4	759.4	750.7							
G61.0	775.2	735.5	728.8							
G62.0	753.9	712.6	706.0							
G63.0	731.9	689.0	683.8							
G64.0	710.2	666.1	660.0							
G65.0	688.0	643.1	637.5							
G66.0	665.4	620.3	614.0							
G67.0	643.8	596.8	590.3							
G68.0	621.3	574.3	567.1							
G69.0	598.3	550.5	543.3							
G70.0	576.3	526.6	519.3							
G71.0	553.7	503.6	495.9							
G72.0	530.6	480.5	472.3							
G73.0	509.1	457.3	447.5							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	486.8	433.8	423.9							
G75.0	464.9	410.8	400.0							
G76.0	442.7	389.8	377.4							
G77.0	421.8	368.5	353.8							
G78.0	400.4	347.4	330.7							
G79.0	380.6	327.4	307.6							
G80.0	361.0	307.8	285.9							
G81.0	342.3	289.5	263.9							
G82.0	325.1	271.6	243.8							
G83.0	308.4	255.8	224.0							
G84.0	293.6	240.5	205.5							
G85.0	280.2	227.1	188.4							
G86.0	256.8	209.7	173.6							
G87.0	232.2	174.6	160.8							
G88.0	154.7	142.1	150.2							
G89.0	181.9	150.3	141.5							
G90.0	216.3	165.8	100.7							
G91.0	225.3	171.7	127.8							
G92.0	228.8	179.1	134.9							
G93.0	230.8	182.1	133.9							
G94.0	232.4	183.8	133.5							
G95.0	237.6	185.6	133.1							
G96.0	236.9	188.8	132.6							
G97.0	236.9	188.8	132.1							
G98.0	229.6	188.4	131.6							
G99.0	224.0	188.3	131.0							
G100.0	218.4	187.9	130.5							
G101.0	223.0	187.0	130.0							
G102.0	225.0	185.2	126.0							
G103.0	225.8	181.3	123.9							
G104.0	224.6	136.0	123.1							
G105.0	223.1	130.4	122.6							
G106.0	221.2	119.4	122.0							
G107.0	219.1	110.0	121.0							
G108.0	215.7	134.1	90.9							
G109.0	206.1	147.7	64.9							
G110.0	193.1	142.1	64.4							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	187.4	137.5	64.0							
G112.0	181.9	133.8	63.7							
G113.0	178.8	138.5	83.0							
G114.0	175.3	136.4	104.2							
G115.0	171.0	133.2	103.7							
G116.0	161.0	127.6	102.2							
G117.0	145.9	123.0	105.4							
G118.0	132.4	116.7	108.2							
G119.0	127.0	109.2	106.6							
G120.0	123.7	103.6	103.0							
G121.0	120.7	99.3	99.7							
G122.0	117.1	95.6	92.2							
G123.0	113.8	90.7	91.2							
G124.0	110.8	87.1	89.0							
G125.0	115.4	83.4	73.1							
G126.0	114.4	73.2	69.6							
G127.0	124.2	69.3	66.9							
G128.0	121.3	65.5	64.3							
G129.0	115.2	61.7	61.6							
G130.0	107.1	56.4	59.4							
G131.0	98.4	53.4	57.4							
G132.0	89.7	49.2	55.3							
G133.0	82.7	46.0	64.6							
G134.0	78.3	44.5	62.1							
G135.0	74.9	45.6	59.7							
G136.0	71.5	49.2	56.5							
G137.0	67.9	50.5	56.3							
G138.0	64.7	51.7	54.3							
G139.0	63.3	54.9	51.5							
G140.0	63.4	57.9	48.3							
G141.0	63.4	61.0	46.5							
G142.0	63.5	62.8	45.5							
G143.0	63.6	64.2	44.4							
G144.0	62.5	64.9	41.1							
G145.0	61.2	63.7	39.4							
G146.0	60.1	63.3	39.5							
G147.0	58.5	62.4	39.6							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	57.3	61.9	47.7							
G149.0	56.7	61.6	48.1							
G150.0	56.1	60.4	48.0							
G151.0	55.0	59.1	47.0							
G152.0	53.8	57.3	46.1							
G153.0	52.6	55.3	46.3							
G154.0	51.4	54.3	47.3							
G155.0	50.2	53.3	47.3							
G156.0	48.9	51.8	46.4							
G157.0	48.1	50.3	45.5							
G158.0	47.3	48.8	44.5							
G159.0	46.7	47.2	43.5							
G160.0	45.7	45.5	42.5							
G161.0	44.1	44.1	41.4							
G162.0	42.5	42.4	40.4							
G163.0	41.1	40.8	39.3							
G164.0	39.3	39.4	38.3							
G165.0	37.8	38.1	37.2							
G166.0	36.1	36.5	36.1							
G167.0	34.6	35.0	35.0							
G168.0	33.0	33.4	33.9							
G169.0	31.6	31.9	32.8							
G170.0	30.4	30.4	31.7							
G171.0	29.2	28.9	30.6							
G172.0	27.9	27.5	29.4							
G173.0	26.7	26.1	28.4							
G174.0	25.5	25.0	27.3							
G175.0	24.5	24.1	26.2							
G176.0	23.5	23.2	25.4							
G177.0	22.6	22.4	24.8							
G178.0	21.8	22.2	24.3							
G179.0	22.0	22.3	23.8							
G180.0	22.7	22.6	23.4							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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: