HAVIT COMMERCIAL
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Report No.: 001 Test Time: 2019-04-29 13:44

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212300,HCP213300(3000K)
Lamp Catalog: COB Luminous Length (mm): -130
Luminous Width (mm): -130 Luminous Height (mm): 0
Voltage: 230V Current: 0.133A
Power: 29.53W Power Factor: 0.964

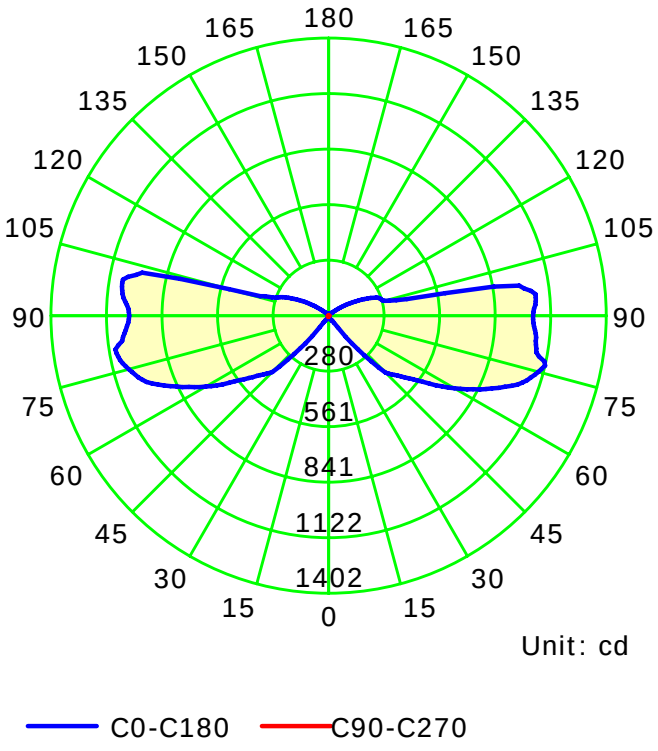
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 2640.4 lm
Measurement Flux: 2640.4 lm Efficiency: 100%
Downward Ratio: 56% Upward Ratio: 44%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 243.5, 135.3, 271.5, 270.5
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 206.0, 84.1, 255.4, 254.5
Luminaire Efficacy Rating (LER): 89.46 Central Intensity: 0 cd
Max. Intensity: 1122.25 cd Pos of Max. Intensity: H0 V77
S/MH(C0/C180): -804.54 S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve

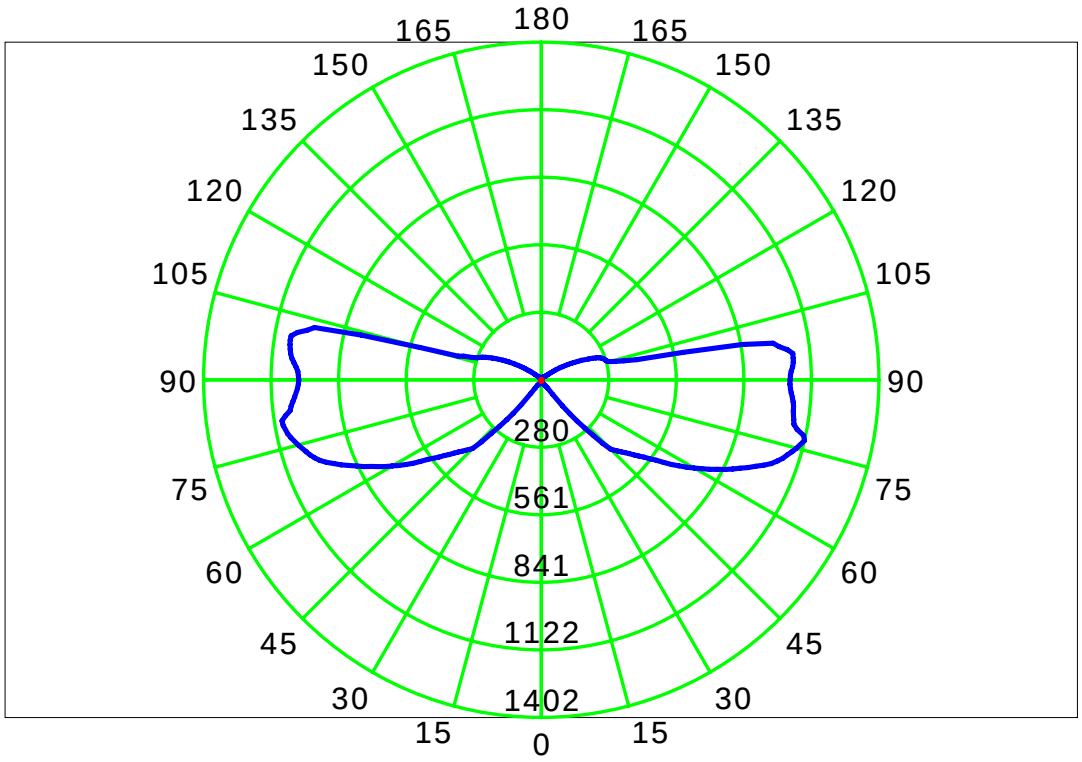


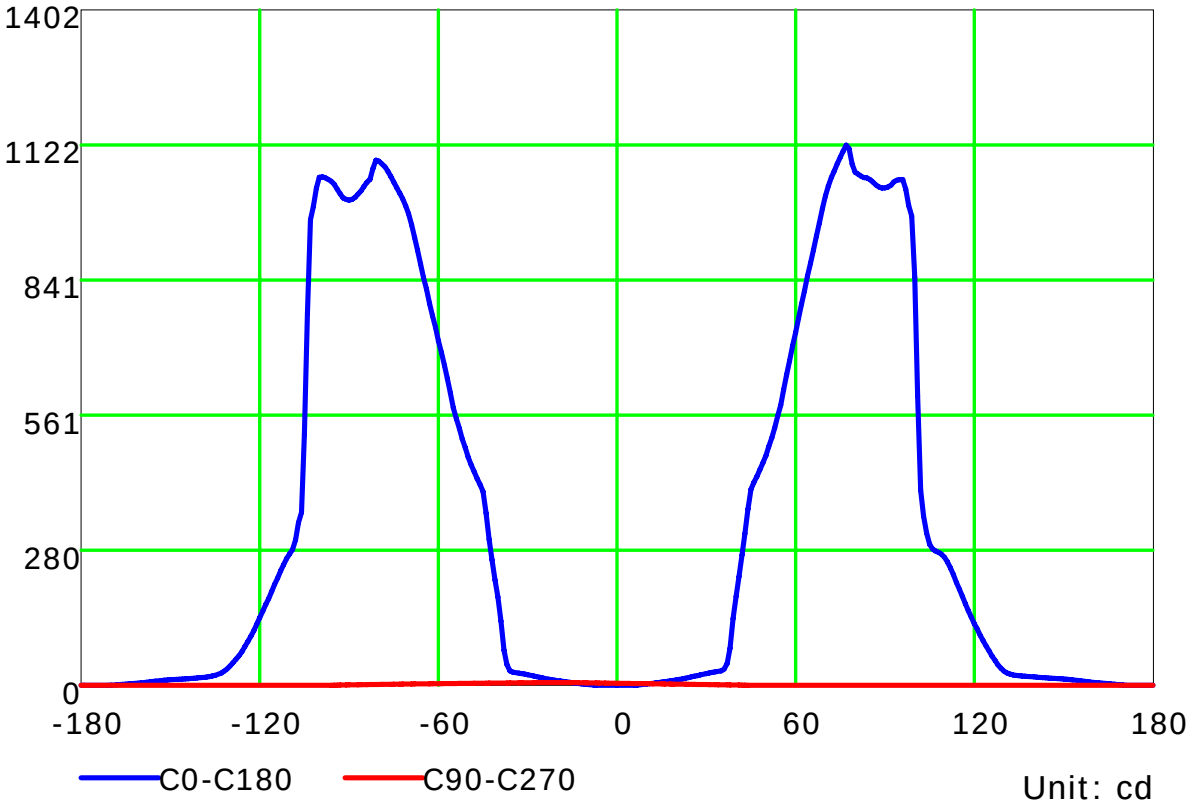
Unit: cd

C Plane (°):0.0-360.0: 30.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 6.583 m
Temperature: 25°C Humidity:
Operator: DING LI Inspector:

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Luminous Intensity Distribution Curve



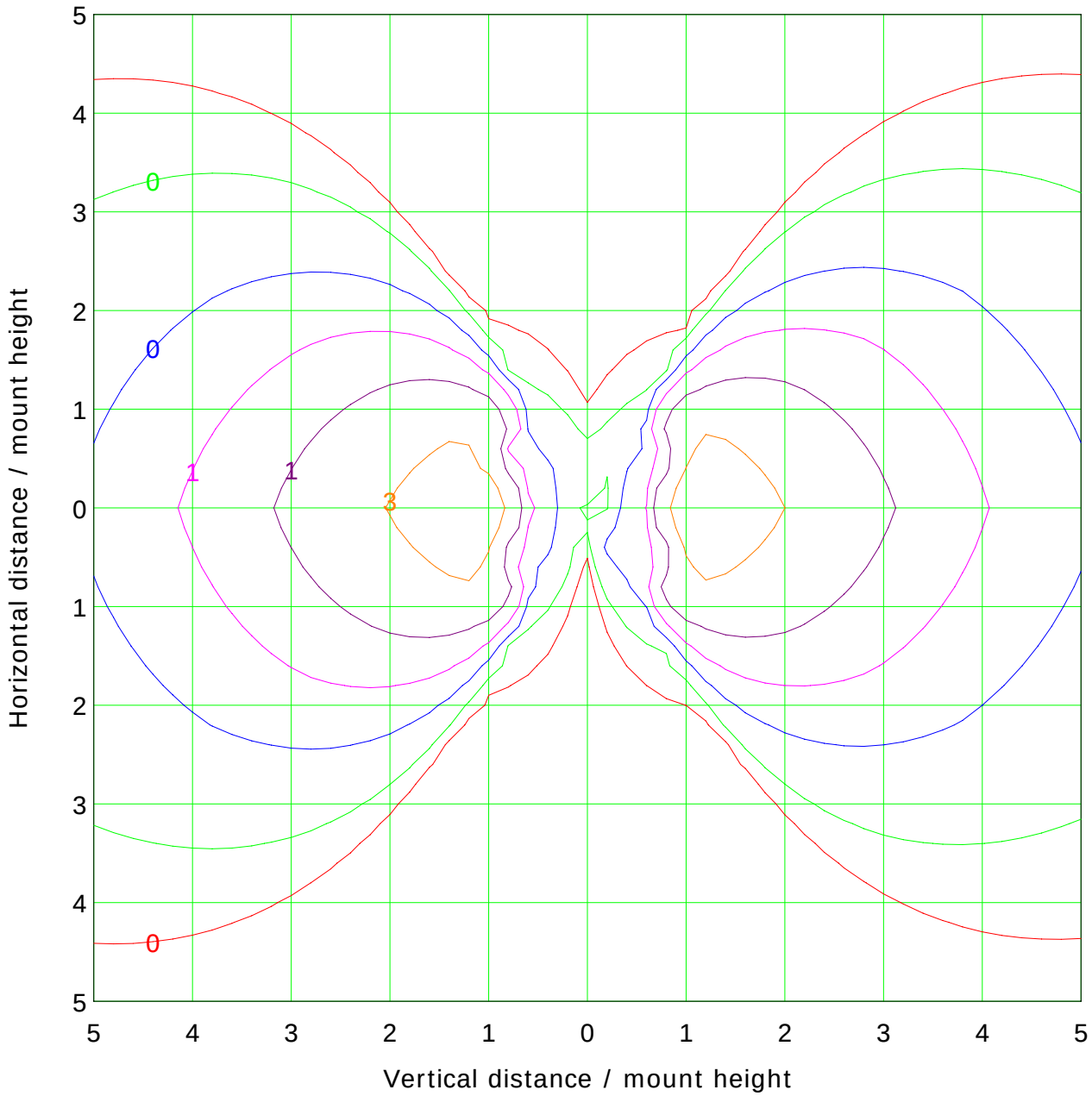


C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
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Humidity:
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IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 5.8 lx

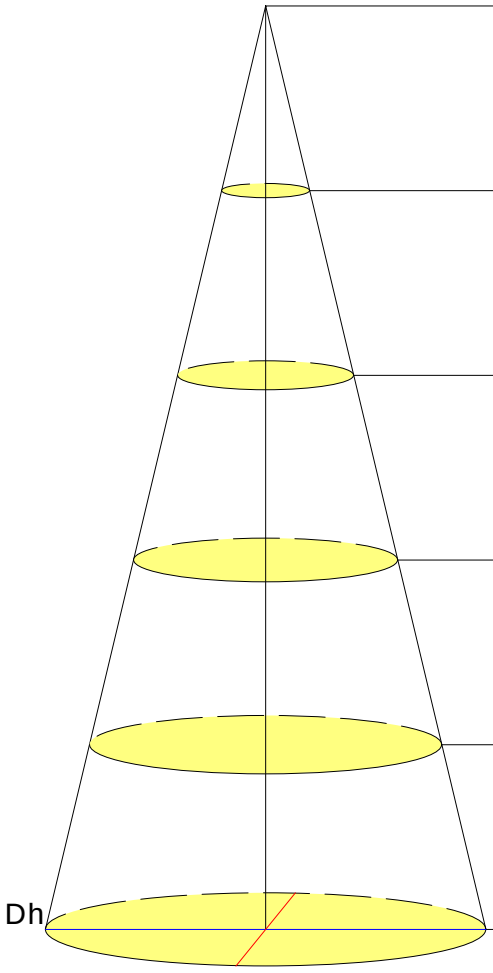
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.6 lx
(20%): 1.2 lx	(50%): 2.9 lx
(100%): 5.8 lx	

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

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Illuminance at a Distance



Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	0.00	NA/1.80	NA	NA
2.0	0.00	NA/3.61	NA	NA
3.0	0.00	NA/5.41	NA	NA
4.0	0.00	NA/7.21	NA	NA
5.0	0.00	NA/9.01	NA	NA

Beam Angle(B): H206.0 V84.1 Field Angle(F): H243.5 V135.3

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

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UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	27.3	28.4	28.1	29.3	30.4	7.6	8.8	8.4	9.7	10.8
3H	32.6	33.7	33.5	34.6	35.8	7.9	8.9	8.7	9.8	11.0
4H	35.4	36.4	36.3	37.4	38.5	8.1	9.1	8.9	10.0	11.2
6H	38.1	39.1	39.0	40.0	41.2	8.3	9.3	9.2	10.2	11.4
8H	39.5	40.4	40.4	41.3	42.5	8.4	9.4	9.3	10.3	11.5
12H	41.0	41.9	41.9	42.8	44.0	8.5	9.4	9.4	10.4	11.6
X=4H Y=2H	27.4	28.4	28.3	29.3	30.5	19.9	20.9	20.7	21.8	23.0
3H	33.1	34.0	34.0	34.9	36.1	20.2	21.1	21.1	22.0	23.2
4H	36.1	36.9	37.0	37.9	39.1	20.1	20.9	21.0	21.9	23.1
6H	39.1	39.8	40.0	40.8	42.1	20.0	20.7	20.9	21.7	23.0
8H	40.6	41.3	41.6	42.3	43.5	20.0	20.7	20.9	21.6	22.9
12H	42.3	42.9	43.2	43.9	45.2	19.9	20.6	20.9	21.5	22.8
X=8H Y=4H	36.2	36.9	37.1	37.8	39.1	27.1	27.8	28.1	28.8	30.1
6H	39.5	40.1	40.5	41.1	42.4	27.3	27.9	28.3	28.9	30.2
8H	41.3	41.8	42.3	42.8	44.1	27.3	27.8	28.3	28.8	30.1
12H	43.3	43.8	44.3	44.8	46.1	27.3	27.7	28.2	28.7	30.0
X=12H Y=4H	36.1	36.8	37.1	37.7	39.0	29.4	30.0	30.4	31.0	32.3
6H	39.5	40.1	40.5	41.1	42.3	30.3	30.9	31.3	31.8	33.1
8H	41.4	41.9	42.4	42.9	44.2	30.5	31.0	31.5	32.0	33.3
Variations with the observer position at spacings:										
S=1.0H	+0.4/-0.5					+0.2/-0.1				
S=1.5H	+0.7/-0.9					+0.2/-0.3				
S=2.0H	+1.0/-1.4					+0.5/-0.4				

Calculate in accordance with CIE Pub.117. The table is revised with 2640lm (8log(F/F0) = 3.4).

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
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	0.0	0.0	0.0	4.3	4.9	0.0	0.0	0.0	0.0	4.3
G1.0	0.0	0.0	0.0	4.3	4.9	0.0	0.0	0.0	0.0	4.5
G2.0	0.0	0.0	0.0	4.2	4.9	0.0	0.0	0.0	0.0	4.6
G3.0	0.0	0.0	0.0	4.2	5.0	0.0	0.0	0.0	0.0	4.6
G4.0	0.0	0.0	0.0	4.0	5.1	0.0	0.0	0.0	0.0	4.8
G5.0	0.0	0.0	0.0	3.9	5.3	0.0	0.0	0.0	0.0	4.9
G6.0	0.2	0.0	0.0	3.8	5.5	0.0	0.0	0.0	0.0	4.9
G7.0	0.7	0.2	0.0	3.7	5.8	0.3	0.1	0.0	0.0	5.0
G8.0	1.4	0.8	0.0	3.7	5.9	0.6	0.8	0.1	0.0	5.2
G9.0	2.2	1.3	0.0	3.7	6.2	1.2	1.4	0.5	0.0	5.3
G10.0	2.8	1.9	0.1	3.5	6.5	1.8	1.9	1.1	0.0	5.3
G11.0	3.6	2.5	0.4	3.4	6.8	2.2	2.6	1.6	0.1	5.4
G12.0	4.3	3.1	0.6	3.3	7.1	2.8	3.3	2.1	0.3	5.5
G13.0	5.1	3.8	0.9	3.2	7.5	3.3	3.9	2.7	0.5	5.6
G14.0	5.9	4.5	1.2	3.1	7.9	4.0	4.8	3.3	0.9	5.7
G15.0	6.7	5.1	1.5	3.1	8.3	4.7	5.5	3.9	1.1	5.7
G16.0	7.6	5.7	1.8	2.9	8.7	5.2	6.5	4.6	1.4	5.7
G17.0	8.6	6.5	2.1	2.9	9.1	5.9	7.3	5.3	1.6	5.9
G18.0	9.4	7.2	2.5	2.8	9.4	6.7	8.1	5.9	1.9	5.9
G19.0	10.4	8.0	2.8	2.7	9.8	7.4	9.0	6.7	2.3	5.8
G20.0	11.3	8.6	3.1	2.6	10.1	8.1	10.0	7.4	2.6	5.8
G21.0	12.4	9.4	3.5	2.5	10.5	8.8	10.8	8.1	2.8	5.9
G22.0	13.5	10.2	3.9	2.5	10.9	9.6	11.9	8.8	3.2	5.8
G23.0	14.9	11.1	4.2	2.3	11.2	10.3	12.9	9.6	3.5	5.8
G24.0	16.3	12.1	4.6	2.2	11.6	11.2	14.1	10.4	3.8	5.8
G25.0	17.7	13.0	4.8	2.0	11.9	12.0	15.4	11.2	4.2	5.8
G26.0	19.1	14.0	5.2	2.0	12.2	13.0	16.7	12.0	4.4	5.8
G27.0	20.3	15.1	5.6	1.9	12.5	14.0	18.0	13.0	4.8	5.7
G28.0	21.9	16.2	6.0	1.9	12.9	15.0	19.3	13.9	5.2	5.6
G29.0	23.1	17.3	6.3	1.8	13.2	16.0	20.7	15.1	5.5	5.6
G30.0	24.5	18.5	6.7	1.7	13.5	17.1	22.0	16.0	5.8	5.5
G31.0	25.9	19.7	7.0	1.6	13.7	18.1	23.3	17.0	6.2	5.5
G32.0	27.0	20.9	7.4	1.4	14.2	19.3	24.5	18.3	6.5	5.4
G33.0	28.1	22.0	7.8	1.4	14.5	20.3	25.5	19.4	6.8	5.3
G34.0	29.1	23.0	8.2	1.3	14.8	21.1	26.3	20.2	7.2	5.2
G35.0	30.2	24.2	8.6	1.1	15.1	22.3	27.3	21.5	7.6	5.1
G36.0	33.6	25.1	8.9	1.1	15.4	23.2	30.0	22.5	7.8	5.0

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
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	45.4	26.0	9.4	1.0	15.8	24.1	43.5	23.5	8.2	5.0
G38.0	76.8	26.8	9.7	0.9	16.0	24.9	73.1	24.2	8.6	4.9
G39.0	138.7	27.6	10.1	0.8	16.3	25.6	133.5	25.0	8.8	4.9
G40.0	184.6	28.4	10.5	0.7	16.6	26.4	183.3	25.8	9.2	4.8
G41.0	226.0	29.0	10.8	0.7	16.9	27.0	218.5	26.6	9.6	4.7
G42.0	271.0	30.4	11.2	0.5	17.2	29.4	260.7	27.3	9.9	4.7
G43.0	315.4	37.7	11.6	0.4	17.5	39.3	303.2	32.9	10.3	4.7
G44.0	366.3	46.3	12.0	0.3	17.8	51.7	357.7	42.7	10.7	4.6
G45.0	407.4	70.8	12.4	0.2	18.0	84.2	402.6	68.5	11.1	4.6
G46.0	421.5	119.8	12.8	0.1	18.3	134.9	416.7	111.4	11.4	4.5
G47.0	434.0	157.0	13.2	0.1	18.6	171.8	429.5	150.3	11.8	4.4
G48.0	447.6	193.9	13.6	0.0	18.9	208.9	443.6	186.2	12.2	4.4
G49.0	461.9	225.6	14.0	0.0	19.2	232.5	457.9	218.3	12.6	4.3
G50.0	477.0	254.5	14.4	0.0	19.5	256.7	474.1	249.8	13.0	4.2
G51.0	496.0	288.5	14.9	0.0	19.8	291.1	494.0	285.8	13.4	4.2
G52.0	514.1	322.6	15.4	0.0	20.2	327.4	511.7	316.6	13.7	4.1
G53.0	534.6	364.5	15.8	0.0	20.2	366.6	534.0	358.8	14.1	4.1
G54.0	559.5	396.9	16.2	0.0	20.8	392.4	554.3	396.1	14.6	3.9
G55.0	582.2	406.8	16.6	0.0	21.0	400.5	576.9	411.9	15.0	3.9
G56.0	614.0	417.2	17.1	0.0	21.4	410.0	607.1	421.5	15.4	3.7
G57.0	646.0	425.8	17.5	0.0	21.8	418.0	637.5	430.3	15.7	3.7
G58.0	674.1	434.6	17.9	0.0	22.1	426.8	664.8	439.3	16.0	3.7
G59.0	705.5	444.3	18.3	0.0	22.4	436.1	691.6	448.9	16.5	3.6
G60.0	733.2	452.7	18.7	0.0	22.6	445.4	715.9	457.2	16.8	3.6
G61.0	762.4	461.5	19.1	0.0	22.8	454.9	743.9	467.4	17.2	3.5
G62.0	792.3	471.6	19.5	0.0	23.1	467.3	768.2	477.0	17.5	3.4
G63.0	819.1	482.2	19.8	0.0	23.3	477.7	793.0	487.6	17.9	3.3
G64.0	850.6	493.7	20.3	0.0	23.6	489.6	822.8	499.5	18.2	3.2
G65.0	877.0	504.8	20.3	0.0	23.8	500.5	847.1	510.3	18.4	3.3
G66.0	903.9	515.3	20.7	0.0	24.0	511.0	874.9	521.3	18.7	3.1
G67.0	933.5	527.2	21.1	0.0	24.2	523.1	903.8	532.5	19.0	3.1
G68.0	960.0	538.7	21.3	0.0	24.5	533.3	929.7	543.5	19.3	3.0
G69.0	990.2	552.9	21.6	0.0	24.7	545.0	956.5	554.6	19.5	2.9
G70.0	1016.8	566.8	21.9	0.0	24.8	556.1	979.6	565.4	19.7	2.8
G71.0	1037.0	580.8	22.1	0.0	25.0	567.7	995.8	578.2	20.0	2.7
G72.0	1054.9	597.3	22.3	0.0	25.0	580.9	1010.6	594.2	20.3	2.7
G73.0	1068.1	611.8	22.4	0.0	25.2	593.6	1021.9	609.3	20.2	2.6

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
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	1083.4	625.9	22.6	0.0	25.3	607.3	1033.7	622.7	20.3	2.4
G75.0	1097.2	639.0	22.8	0.0	25.5	619.9	1045.6	634.6	20.6	2.4
G76.0	1109.9	651.3	23.1	0.0	25.6	630.4	1056.8	645.9	20.8	2.3
G77.0	1122.3	662.8	23.3	0.0	25.6	641.0	1068.1	656.4	21.0	2.2
G78.0	1114.4	672.0	23.5	0.0	25.8	649.5	1077.3	664.5	21.2	2.1
G79.0	1082.6	681.3	23.5	0.0	25.8	657.7	1083.3	672.8	21.4	2.0
G80.0	1065.6	689.6	23.7	0.0	25.8	666.2	1089.0	680.7	21.5	1.9
G81.0	1062.0	696.5	23.8	0.0	25.9	673.2	1090.7	687.8	21.5	1.9
G82.0	1057.5	701.1	23.9	0.0	26.0	679.4	1073.3	693.6	21.6	1.8
G83.0	1054.6	705.3	24.1	0.0	25.9	684.9	1051.0	698.6	21.6	1.8
G84.0	1053.8	709.0	24.1	0.0	26.0	688.7	1045.1	703.7	21.7	1.6
G85.0	1050.4	713.7	24.3	0.0	25.9	693.6	1036.2	708.1	22.0	1.5
G86.0	1045.5	717.3	24.3	0.0	25.9	696.4	1027.1	712.0	21.9	1.4
G87.0	1039.3	720.2	24.3	0.0	25.8	698.1	1020.4	715.7	21.9	1.3
G88.0	1035.2	721.7	24.5	0.0	25.9	699.7	1013.7	718.7	21.8	1.2
G89.0	1033.1	722.9	24.5	0.0	25.7	700.3	1009.5	721.0	21.9	1.1
G90.0	1033.3	722.6	24.5	0.0	25.6	699.9	1007.8	723.0	21.9	1.0
G91.0	1034.9	722.7	24.4	0.0	25.4	698.6	1009.4	723.2	21.9	0.9
G92.0	1038.8	721.5	24.4	0.0	25.4	696.0	1012.5	722.5	21.7	0.8
G93.0	1045.6	719.4	24.4	0.0	25.2	692.4	1020.6	720.6	21.7	0.7
G94.0	1049.1	716.3	24.4	0.0	25.1	688.3	1030.8	717.7	21.7	0.5
G95.0	1050.3	712.3	24.4	0.0	25.0	683.7	1040.9	715.4	21.6	0.4
G96.0	1050.5	707.7	24.3	0.0	24.8	677.7	1047.1	712.0	21.5	0.3
G97.0	1030.4	702.5	24.2	0.0	24.7	672.3	1051.1	708.3	21.4	0.1
G98.0	996.6	696.6	24.1	0.0	24.5	666.3	1054.3	703.5	21.2	0.1
G99.0	974.7	689.9	24.0	0.0	24.3	659.0	1056.4	698.3	21.0	0.0
G100.0	848.0	683.5	23.9	0.0	24.0	651.1	1055.2	692.0	20.9	0.0
G101.0	601.2	674.7	23.7	0.0	23.8	642.5	1032.7	684.1	20.7	0.0
G102.0	404.9	666.8	23.6	0.0	23.6	632.6	994.4	676.1	20.6	0.0
G103.0	351.8	658.4	23.4	0.0	23.2	622.5	967.3	667.5	20.3	0.0
G104.0	316.8	647.8	23.3	0.0	22.9	611.6	772.0	657.6	20.3	0.0
G105.0	292.9	638.2	23.1	0.0	22.6	601.6	521.1	647.9	20.3	0.0
G106.0	283.4	627.8	22.9	0.0	22.3	590.5	359.2	636.3	20.0	0.0
G107.0	279.1	614.0	22.6	0.0	22.0	577.5	337.9	626.2	19.7	0.0
G108.0	276.4	600.5	22.4	0.0	21.6	565.3	302.3	614.4	19.5	0.0
G109.0	272.3	583.8	22.2	0.0	21.3	553.5	282.0	600.9	19.1	0.0
G110.0	266.3	567.3	21.9	0.0	20.9	542.5	272.8	585.8	18.9	0.0

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
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	256.6	553.2	21.6	0.0	20.5	531.6	263.4	570.6	18.6	0.0
G112.0	243.9	538.5	21.4	0.0	20.2	519.8	250.6	555.8	18.4	0.0
G113.0	230.6	526.4	21.0	0.0	19.7	508.0	238.2	542.5	18.1	0.0
G114.0	214.1	513.7	20.7	0.0	19.4	496.2	222.9	527.2	17.9	0.0
G115.0	199.6	502.8	20.3	0.0	19.0	485.9	209.9	515.5	17.4	0.0
G116.0	185.2	492.7	20.3	0.0	18.4	475.2	195.4	503.9	17.3	0.0
G117.0	169.7	480.8	19.8	0.0	17.9	464.3	180.3	490.7	16.8	0.0
G118.0	155.7	471.0	19.5	0.0	17.4	454.4	168.3	480.2	16.5	0.0
G119.0	141.9	460.5	19.2	0.0	17.1	444.7	154.2	467.8	16.2	0.0
G120.0	128.1	450.5	18.8	0.0	16.5	434.2	140.8	457.4	15.8	0.0
G121.0	117.3	442.2	18.5	0.0	16.1	425.1	127.4	447.7	15.5	0.0
G122.0	103.8	430.9	18.0	0.0	15.5	415.7	113.6	436.0	15.0	0.0
G123.0	92.8	424.6	17.7	0.0	15.0	407.3	102.2	426.3	14.7	0.0
G124.0	81.6	417.6	17.3	0.0	14.6	398.2	91.2	416.9	14.3	0.0
G125.0	71.2	409.4	16.8	0.0	14.1	388.8	80.6	406.9	14.0	0.0
G126.0	60.7	401.0	16.4	0.0	13.5	374.5	70.1	396.4	13.5	0.0
G127.0	51.8	372.1	16.0	0.0	13.0	337.3	61.4	385.5	13.3	0.0
G128.0	42.3	326.3	15.6	0.0	12.4	299.0	54.3	363.2	12.9	0.0
G129.0	35.3	286.2	15.1	0.0	11.9	266.8	47.2	322.7	12.5	0.0
G130.0	29.3	250.8	14.6	0.0	11.2	231.8	40.0	282.1	12.1	0.0
G131.0	25.9	227.2	14.3	0.0	10.6	201.8	34.1	250.2	11.7	0.0
G132.0	23.5	198.1	13.8	0.0	10.1	169.8	29.4	225.5	11.3	0.0
G133.0	21.7	159.5	13.4	0.0	9.3	135.7	25.5	196.1	10.9	0.0
G134.0	20.6	114.1	13.0	0.0	8.8	89.2	23.0	162.1	10.6	0.0
G135.0	20.2	69.3	12.6	0.0	8.1	50.8	20.8	117.2	10.2	0.0
G136.0	19.4	41.6	12.2	0.0	7.7	35.5	19.3	72.1	9.8	0.0
G137.0	19.0	31.1	11.8	0.0	7.1	25.7	18.1	44.4	9.4	0.0
G138.0	18.5	25.5	11.4	0.0	6.5	22.1	17.2	32.3	9.1	0.0
G139.0	18.1	24.3	11.0	0.0	6.0	21.1	16.5	25.1	8.8	0.0
G140.0	17.6	23.2	10.6	0.0	5.5	20.3	16.0	23.5	8.4	0.0
G141.0	17.0	22.2	10.2	0.0	5.1	19.2	15.4	22.2	8.1	0.0
G142.0	16.4	21.1	9.7	0.0	4.5	18.3	14.9	21.0	7.8	0.0
G143.0	16.1	20.2	9.2	0.0	4.0	17.2	14.3	19.8	7.4	0.0
G144.0	15.6	19.0	8.7	0.0	3.6	15.9	13.9	18.7	7.0	0.0
G145.0	15.3	17.9	8.2	0.0	3.1	14.6	13.5	17.4	6.7	0.0
G146.0	14.9	16.6	7.7	0.0	2.7	13.2	13.3	16.2	6.2	0.0
G147.0	14.5	15.5	7.3	0.0	2.3	11.9	12.8	15.0	5.9	0.0

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
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	14.1	14.3	6.8	0.0	1.9	10.8	12.5	13.8	5.6	0.0
G149.0	13.7	13.1	6.2	0.0	1.5	9.6	12.1	12.6	5.2	0.0
G150.0	13.2	12.1	5.7	0.0	1.2	8.5	11.6	11.3	4.8	0.0
G151.0	12.8	11.0	5.3	0.0	0.9	7.6	11.2	10.3	4.3	0.0
G152.0	12.2	10.1	4.8	0.0	0.5	6.8	10.8	9.4	4.0	0.0
G153.0	11.6	9.1	4.3	0.0	0.2	6.0	10.2	8.5	3.6	0.0
G154.0	10.8	8.1	3.8	0.0	0.0	5.3	9.5	7.6	3.2	0.0
G155.0	10.1	7.5	3.5	0.0	0.0	4.7	8.7	6.8	2.8	0.0
G156.0	9.2	6.8	3.1	0.0	0.0	4.2	8.1	6.2	2.5	0.0
G157.0	8.4	6.0	2.7	0.0	0.0	3.6	7.2	5.5	2.1	0.0
G158.0	7.7	5.5	2.3	0.0	0.0	3.0	6.6	4.9	1.8	0.0
G159.0	6.9	5.0	1.9	0.0	0.0	2.5	5.8	4.3	1.5	0.0
G160.0	6.3	4.4	1.5	0.0	0.0	1.9	5.2	3.9	1.2	0.0
G161.0	5.7	4.1	1.3	0.0	0.0	1.3	4.6	3.4	0.9	0.0
G162.0	5.1	3.5	0.9	0.0	0.0	0.9	4.1	2.9	0.6	0.0
G163.0	4.6	3.1	0.6	0.0	0.0	0.7	3.6	2.5	0.3	0.0
G164.0	4.0	2.7	0.3	0.0	0.0	0.4	3.0	2.1	0.1	0.0
G165.0	3.4	2.2	0.1	0.0	0.0	0.0	2.5	1.8	0.0	0.0
G166.0	2.9	1.8	0.0	0.0	0.0	0.0	2.2	1.4	0.0	0.0
G167.0	2.3	1.3	0.0	0.0	0.0	0.0	1.7	1.0	0.0	0.0
G168.0	1.8	1.0	0.0	0.0	0.0	0.0	1.3	0.8	0.0	0.0
G169.0	1.3	0.6	0.0	0.0	0.0	0.0	0.9	0.3	0.0	0.0
G170.0	0.8	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
G171.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
G172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G174.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G177.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G179.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	4.9	0.0	0.0							
G1.0	4.8	0.0	0.0							
G2.0	4.8	0.0	0.0							
G3.0	4.8	0.0	0.0							
G4.0	4.8	0.0	0.0							
G5.0	4.8	0.0	0.0							
G6.0	4.9	0.0	0.2							
G7.0	4.9	0.0	0.7							
G8.0	5.0	0.3	1.4							
G9.0	5.1	0.9	2.2							
G10.0	5.0	1.4	2.8							
G11.0	5.1	2.0	3.6							
G12.0	5.1	2.6	4.3							
G13.0	5.1	3.2	5.1							
G14.0	5.1	3.9	5.9							
G15.0	5.2	4.5	6.7							
G16.0	5.3	5.1	7.6							
G17.0	5.4	5.9	8.6							
G18.0	5.5	6.4	9.4							
G19.0	5.7	7.2	10.4							
G20.0	5.8	8.0	11.3							
G21.0	5.9	8.7	12.4							
G22.0	6.0	9.6	13.5							
G23.0	6.2	10.3	14.9							
G24.0	6.4	11.1	16.3							
G25.0	6.6	12.0	17.7							
G26.0	6.8	12.9	19.1							
G27.0	7.1	14.0	20.3							
G28.0	7.3	15.0	21.9							
G29.0	7.6	16.2	23.1							
G30.0	7.8	17.3	24.5							
G31.0	8.1	18.4	25.9							
G32.0	8.4	19.6	27.0							
G33.0	8.6	20.6	28.1							
G34.0	8.9	21.7	29.1							
G35.0	9.3	22.9	30.2							
G36.0	9.6	23.9	33.6							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	9.8	25.1	45.4							
G38.0	10.1	25.8	76.8							
G39.0	10.5	26.7	138.7							
G40.0	10.9	27.4	184.6							
G41.0	11.2	28.2	226.0							
G42.0	11.5	28.8	271.0							
G43.0	11.9	29.8	315.4							
G44.0	12.3	34.5	366.3							
G45.0	12.7	44.0	407.4							
G46.0	13.1	65.2	421.5							
G47.0	13.5	105.4	434.0							
G48.0	13.9	154.6	447.6							
G49.0	14.3	190.3	461.9							
G50.0	14.7	221.7	477.0							
G51.0	15.2	245.4	496.0							
G52.0	15.6	269.7	514.1							
G53.0	16.0	308.6	534.6							
G54.0	16.3	347.1	559.5							
G55.0	16.7	386.0	582.2							
G56.0	17.2	410.1	614.0							
G57.0	17.6	418.6	646.0							
G58.0	18.0	427.0	674.1							
G59.0	18.3	436.6	705.5							
G60.0	18.9	445.0	733.2							
G61.0	19.1	454.9	762.4							
G62.0	19.7	463.2	792.3							
G63.0	19.8	471.9	819.1							
G64.0	20.2	482.6	850.6							
G65.0	20.4	492.2	877.0							
G66.0	21.2	502.5	903.9							
G67.0	21.3	513.7	933.5							
G68.0	21.9	523.4	960.0							
G69.0	21.9	534.9	990.2							
G70.0	22.5	545.3	1016.8							
G71.0	22.4	556.6	1037.0							
G72.0	23.1	569.0	1054.9							
G73.0	23.0	579.6	1068.1							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	23.6	590.9	1083.4							
G75.0	23.5	603.1	1097.2							
G76.0	24.0	615.3	1109.9							
G77.0	23.7	627.8	1122.3							
G78.0	24.3	637.5	1114.4							
G79.0	24.1	647.3	1082.6							
G80.0	24.6	655.3	1065.6							
G81.0	24.4	663.2	1062.0							
G82.0	24.9	671.4	1057.5							
G83.0	24.6	676.7	1054.6							
G84.0	25.0	681.0	1053.8							
G85.0	24.8	686.9	1050.4							
G86.0	25.2	691.3	1045.5							
G87.0	24.9	695.7	1039.3							
G88.0	25.3	697.9	1035.2							
G89.0	25.0	700.0	1033.1							
G90.0	25.3	702.6	1033.3							
G91.0	25.0	703.6	1034.9							
G92.0	25.2	703.7	1038.8							
G93.0	24.9	701.3	1045.6							
G94.0	25.2	697.3	1049.1							
G95.0	24.9	693.3	1050.3							
G96.0	25.0	688.8	1050.5							
G97.0	24.7	685.0	1030.4							
G98.0	24.8	683.1	996.6							
G99.0	24.4	678.4	974.7							
G100.0	24.6	674.1	848.0							
G101.0	23.8	669.4	601.2							
G102.0	23.2	661.2	404.9							
G103.0	23.1	654.0	351.8							
G104.0	22.9	643.1	316.8							
G105.0	22.8	632.3	292.9							
G106.0	22.6	620.1	283.4							
G107.0	22.4	604.8	279.1							
G108.0	22.2	590.8	276.4							
G109.0	22.0	579.0	272.3							
G110.0	21.8	569.1	266.3							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	21.5	560.5	256.6							
G112.0	21.3	547.9	243.9							
G113.0	21.1	537.8	230.6							
G114.0	21.1	527.5	214.1							
G115.0	20.7	519.5	199.6							
G116.0	20.5	510.2	185.2							
G117.0	20.2	500.0	169.7							
G118.0	20.0	487.4	155.7							
G119.0	19.3	475.5	141.9							
G120.0	19.1	466.8	128.1							
G121.0	18.6	456.9	117.3							
G122.0	18.3	446.0	103.8							
G123.0	17.8	437.0	92.8							
G124.0	17.5	427.2	81.6							
G125.0	16.9	418.3	71.2							
G126.0	16.6	408.9	60.7							
G127.0	16.0	385.0	51.8							
G128.0	15.7	345.5	42.3							
G129.0	15.1	304.1	35.3							
G130.0	14.7	267.7	29.3							
G131.0	14.2	237.6	25.9							
G132.0	13.8	208.3	23.5							
G133.0	13.5	174.5	21.7							
G134.0	13.1	141.6	20.6							
G135.0	12.6	93.6	20.2							
G136.0	12.2	56.8	19.4							
G137.0	11.9	40.5	19.0							
G138.0	11.5	29.9	18.5							
G139.0	11.1	26.4	18.1							
G140.0	10.6	24.7	17.6							
G141.0	10.1	23.3	17.0							
G142.0	9.7	22.0	16.4							
G143.0	9.1	20.7	16.1							
G144.0	8.7	19.5	15.6							
G145.0	8.3	18.3	15.3							
G146.0	7.8	16.9	14.9							
G147.0	7.3	15.8	14.5							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

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Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	6.8	14.6	14.1							
G149.0	6.3	13.3	13.7							
G150.0	5.9	12.1	13.2							
G151.0	5.4	11.1	12.8							
G152.0	5.0	10.2	12.2							
G153.0	4.6	9.4	11.6							
G154.0	4.1	8.4	10.8							
G155.0	3.7	7.7	10.1							
G156.0	3.4	7.0	9.2							
G157.0	3.0	6.4	8.4							
G158.0	2.7	5.8	7.7							
G159.0	2.2	5.3	6.9							
G160.0	1.9	4.8	6.3							
G161.0	1.5	4.3	5.7							
G162.0	1.1	3.8	5.1							
G163.0	0.8	3.5	4.6							
G164.0	0.2	3.0	4.0							
G165.0	0.2	2.7	3.4							
G166.0	0.1	2.3	2.9							
G167.0	0.0	1.9	2.3							
G168.0	0.0	1.5	1.8							
G169.0	0.0	1.1	1.3							
G170.0	0.0	0.7	0.8							
G171.0	0.0	0.3	0.2							
G172.0	0.0	0.1	0.0							
G173.0	0.0	0.0	0.0							
G174.0	0.0	0.0	0.0							
G175.0	0.0	0.0	0.0							
G176.0	0.0	0.0	0.0							
G177.0	0.0	0.0	0.0							
G178.0	0.0	0.0	0.0							
G179.0	0.0	0.0	0.0							
G180.0	0.0	0.0	0.0							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector: