HAVIT COMMERCIAL
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Report No.: 001 Test Time: 2019-04-29 15:06

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212300,HCP213300(4000K)
Lamp Catalog: COB Luminous Length (mm): -130
Luminous Width (mm): -130 Luminous Height (mm): 0
Voltage: 230V Current: 0.137A
Power: 30.55W Power Factor: 0.966

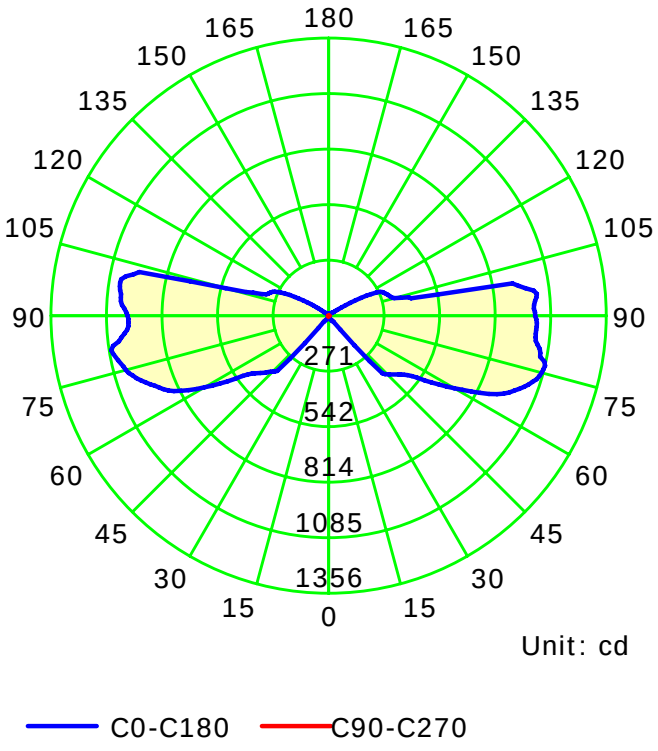
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 2521.1 lm
Measurement Flux: 2521.1 lm Efficiency: 100%
Downward Ratio: 56% Upward Ratio: 44%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 244.3, 186.5, 266.7, 266.0
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 205.9, 160.4, 258.6, 258.0
Luminaire Efficacy Rating (LER): 82.58 Central Intensity: 0 cd
Max. Intensity: 1085.44 cd Pos of Max. Intensity: H0 V77
S/MH(C0/C180): -803.47 S/MH(C90/C270): 2.03

Picture Of Luminaire



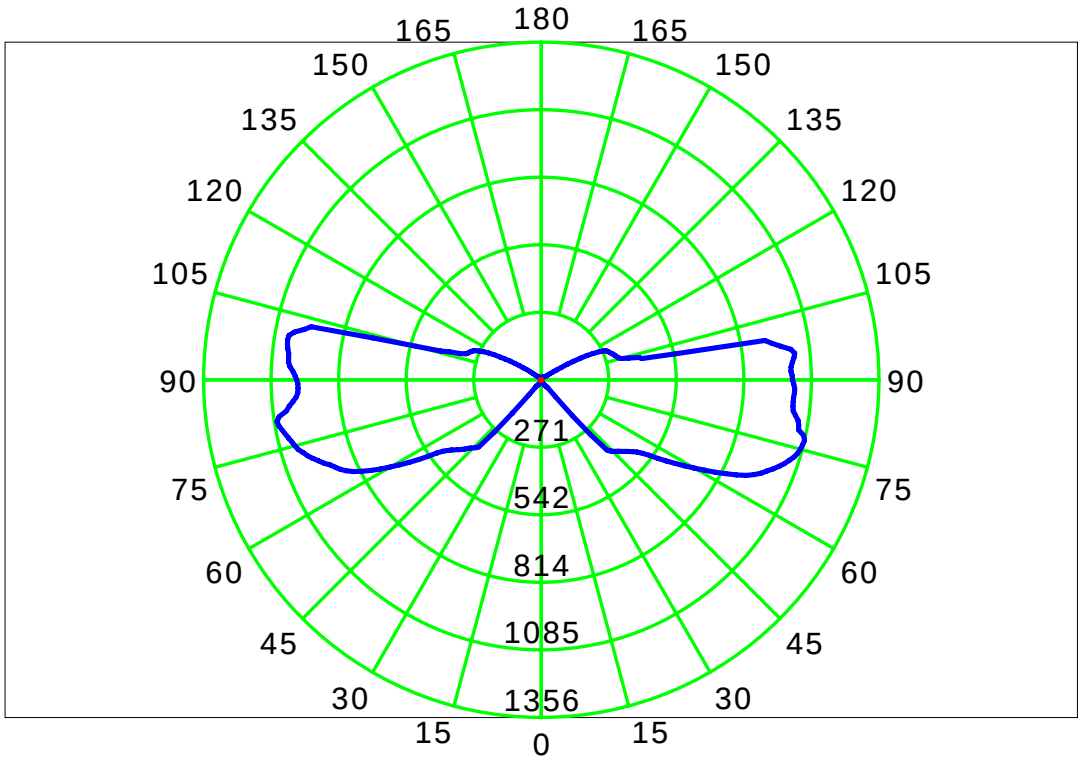
Luminous Intensity Distribution Curve

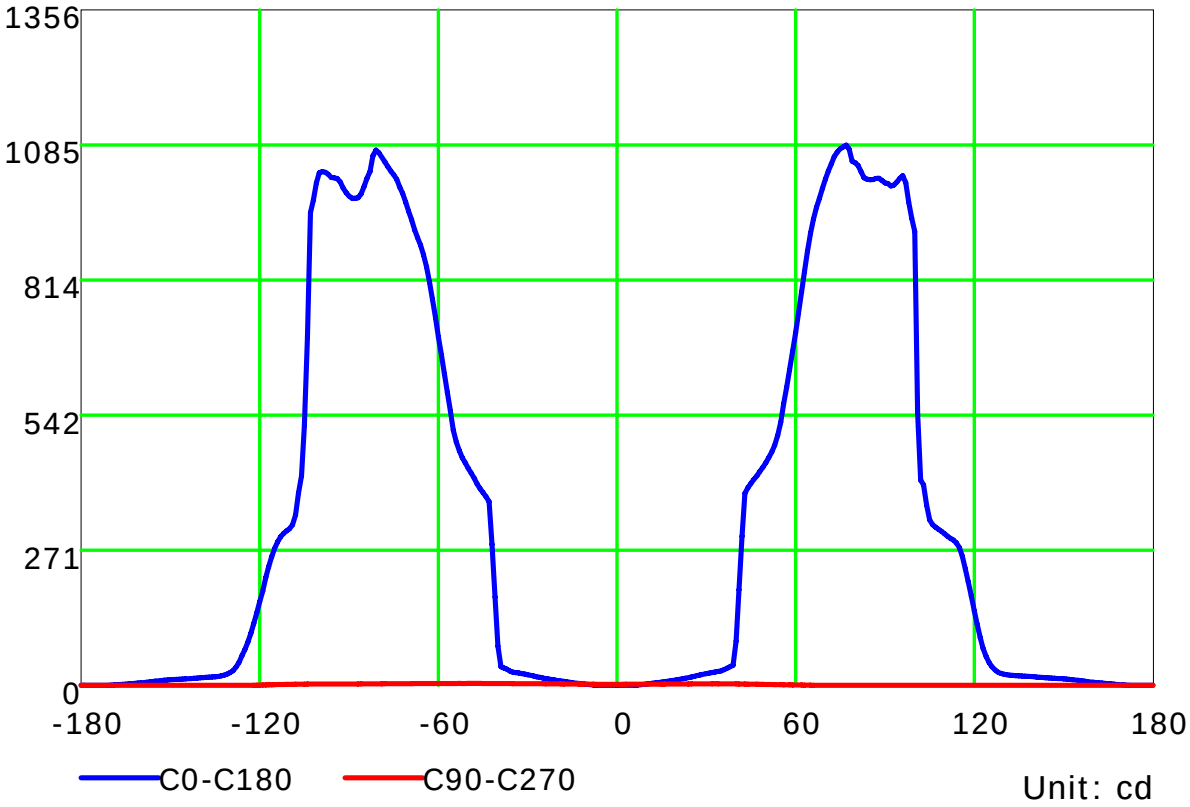


C Plane (°):0.0-360.0: 30.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 6.583 m
Temperature: 25°C Humidity:
Operator: DING LI Inspector:

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Luminous Intensity Distribution Curve



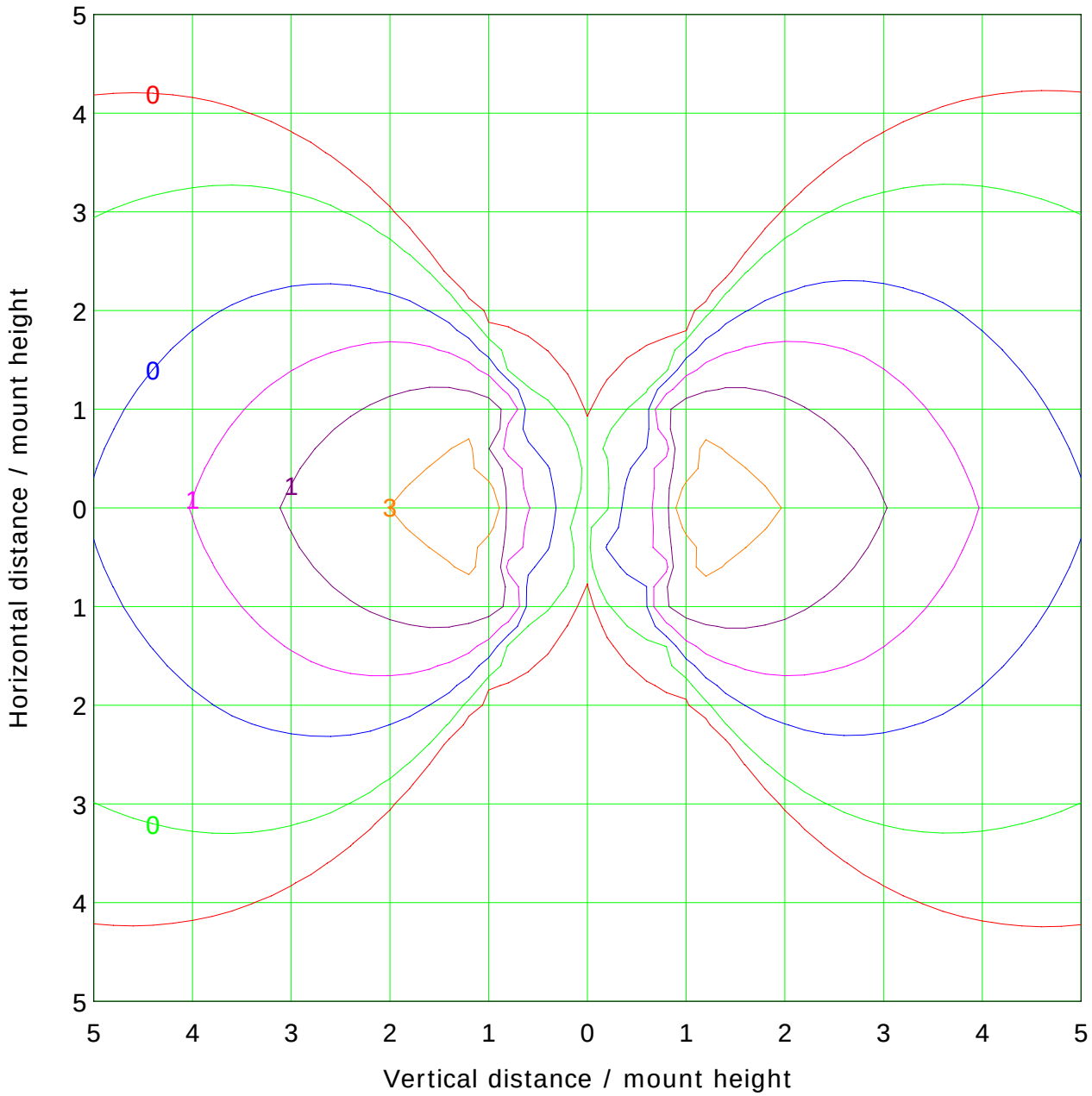


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
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Humidity:
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IsoLux Plot



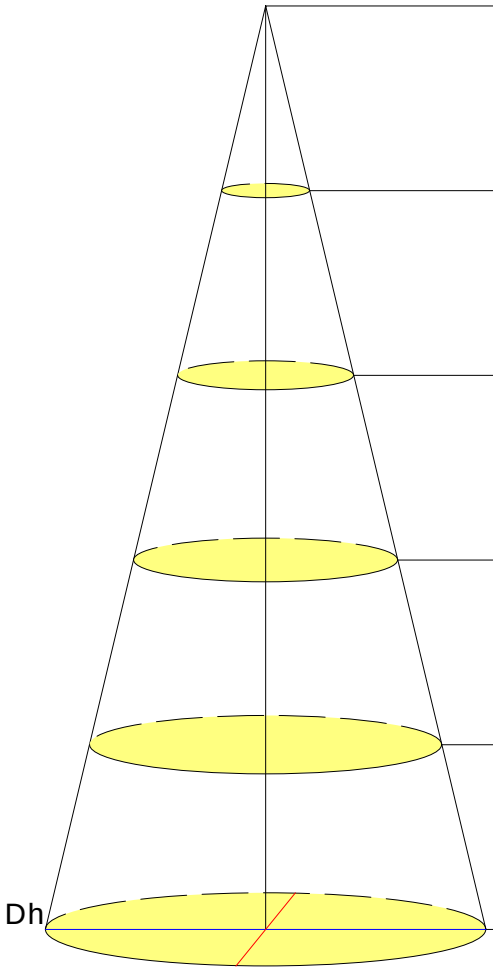
Mounting Height: 5.0m Max Lux(100%): 6.0 lx

(1%): 0.1 lx
(2%): 0.1 lx
(5%): 0.3 lx
(10%): 0.6 lx
(20%): 1.2 lx
(50%): 3.0 lx
(100%): 6.0 lx

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
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Test Device: GPM-1600L
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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/11.60	NA	NA
2.0	0.00	NA/23.21	NA	NA
3.0	0.00	NA/34.81	NA	NA
4.0	0.00	NA/46.41	NA	NA
5.0	0.00	NA/58.01	NA	NA

Beam Angle(B): H205.9 V160.4 Field Angle(F): H244.3 V186.5

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:
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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	27.1	28.3	28.0	29.2	30.3	7.7	8.9	8.5	9.7	10.9
3H	32.7	33.7	33.5	34.7	35.8	8.0	9.0	8.8	9.9	11.1
4H	35.4	36.4	36.3	37.4	38.5	8.2	9.2	9.1	10.1	11.3
6H	38.1	39.1	39.0	40.0	41.2	8.5	9.5	9.4	10.4	11.6
8H	39.4	40.4	40.3	41.3	42.5	8.7	9.6	9.6	10.5	11.7
12H	40.9	41.8	41.8	42.7	44.0	8.8	9.7	9.7	10.7	11.9
X=4H Y=2H	27.2	28.2	28.1	29.2	30.3	19.5	20.5	20.4	21.4	22.6
3H	33.0	33.9	33.9	34.9	36.1	19.8	20.7	20.7	21.7	22.9
4H	36.0	36.8	36.9	37.8	39.0	19.7	20.6	20.7	21.5	22.7
6H	39.0	39.8	39.9	40.7	42.0	19.7	20.4	20.6	21.4	22.6
8H	40.5	41.2	41.5	42.2	43.5	19.6	20.3	20.6	21.3	22.6
12H	42.2	42.9	43.2	43.8	45.1	19.6	20.2	20.6	21.2	22.5
X=8H Y=4H	36.1	36.8	37.0	37.7	39.0	26.8	27.5	27.7	28.5	29.7
6H	39.4	40.0	40.4	41.0	42.3	27.0	27.6	28.0	28.6	29.9
8H	41.2	41.7	42.2	42.7	44.0	27.0	27.5	27.9	28.5	29.8
12H	43.2	43.7	44.2	44.7	46.0	26.9	27.4	27.9	28.4	29.7
X=12H Y=4H	36.0	36.7	37.0	37.6	38.9	29.1	29.7	30.0	30.7	32.0
6H	39.4	39.9	40.4	40.9	42.2	30.0	30.6	31.0	31.6	32.9
8H	41.3	41.8	42.3	42.8	44.1	30.2	30.7	31.2	31.7	33.0
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	+1.1/-1.5					+0.5/-0.4				

Calculate in accordance with CIE Pub.117. The table is revised with 2521lm (8log(F/F0) = 3.2).

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	2.2	4.7	0.0	0.0	0.0	0.0	2.2
G1.0	0.0	0.0	0.0	2.2	4.8	0.0	0.0	0.0	0.0	2.2
G2.0	0.0	0.0	0.0	2.2	4.8	0.0	0.0	0.0	0.0	2.2
G3.0	0.0	0.0	0.0	2.3	4.8	0.0	0.0	0.0	0.0	2.1
G4.0	0.0	0.0	0.0	2.3	5.0	0.0	0.0	0.0	0.0	2.0
G5.0	0.0	0.0	0.0	2.3	5.1	0.0	0.0	0.0	0.0	2.1
G6.0	0.2	0.0	0.0	2.3	5.4	0.0	0.0	0.0	0.0	2.1
G7.0	0.8	0.1	0.0	2.3	5.5	0.2	0.2	0.0	0.0	2.1
G8.0	1.4	0.6	0.0	2.3	5.7	0.7	0.8	0.0	0.0	2.3
G9.0	2.0	1.2	0.0	2.4	6.0	1.2	1.4	0.5	0.0	2.3
G10.0	2.8	1.7	0.2	2.4	6.3	1.8	2.0	1.0	0.0	2.3
G11.0	3.5	2.4	0.4	2.4	6.6	2.2	2.6	1.5	0.1	2.5
G12.0	4.3	2.9	0.7	2.4	6.8	2.8	3.2	2.0	0.3	2.5
G13.0	5.0	3.6	0.9	2.5	7.3	3.3	3.9	2.6	0.5	2.6
G14.0	5.8	4.3	1.2	2.5	7.7	3.9	4.7	3.2	0.8	2.7
G15.0	6.5	4.9	1.6	2.5	8.1	4.5	5.5	3.7	1.1	2.7
G16.0	7.3	5.5	1.8	2.6	8.3	5.2	6.4	4.5	1.3	2.7
G17.0	8.2	6.2	2.2	2.6	8.9	5.8	7.3	5.2	1.6	2.8
G18.0	9.1	6.8	2.6	2.6	9.3	6.6	8.1	5.7	1.9	2.9
G19.0	10.2	7.7	2.9	2.7	9.6	7.3	8.9	6.7	2.2	2.9
G20.0	11.1	8.4	3.1	2.7	9.9	7.9	9.8	7.4	2.4	3.0
G21.0	12.1	9.1	3.5	2.7	10.2	8.7	10.7	8.0	2.8	3.0
G22.0	13.2	10.0	3.9	2.8	10.5	9.4	11.7	8.7	3.1	3.1
G23.0	14.3	10.7	4.2	2.9	10.9	10.2	12.7	9.4	3.4	3.1
G24.0	15.7	11.6	4.6	2.9	11.2	11.1	13.8	10.3	3.7	3.2
G25.0	17.0	12.5	4.9	3.0	11.5	11.8	14.9	11.0	4.0	3.3
G26.0	18.3	13.4	5.2	2.9	11.8	12.6	16.1	11.8	4.2	3.2
G27.0	19.9	14.6	5.5	3.0	12.1	13.6	17.3	12.6	4.6	3.3
G28.0	21.0	15.6	6.0	3.1	12.4	14.6	18.7	13.4	5.1	3.3
G29.0	22.2	16.8	6.2	3.1	12.8	15.5	20.2	14.7	5.3	3.4
G30.0	23.5	17.9	6.6	3.1	13.1	16.6	21.4	15.6	5.7	3.4
G31.0	24.7	19.0	6.9	3.2	13.3	17.5	22.5	16.6	6.0	3.4
G32.0	26.0	20.1	7.4	3.1	13.7	18.7	23.8	17.8	6.4	3.5
G33.0	27.0	21.1	7.7	3.2	14.0	19.8	24.8	18.8	6.8	3.5
G34.0	28.0	22.1	8.2	3.1	14.2	20.7	25.7	19.8	7.1	3.5
G35.0	29.1	23.1	8.5	3.1	14.6	21.7	26.6	20.8	7.5	3.5
G36.0	31.6	24.2	8.9	3.1	14.8	22.6	28.8	21.9	7.9	3.6

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 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	34.6	25.0	9.2	3.1	15.1	23.4	32.5	22.9	8.2	3.6
G38.0	37.3	25.9	9.7	3.0	15.4	24.2	35.0	23.7	8.4	3.7
G39.0	40.4	26.7	10.0	3.0	15.6	24.9	37.4	24.5	8.8	3.7
G40.0	88.9	27.4	10.4	2.9	15.8	25.6	78.9	25.1	9.0	3.8
G41.0	192.1	28.1	10.8	2.9	16.1	26.5	177.5	25.7	9.3	3.8
G42.0	299.6	29.5	11.1	2.8	16.3	28.3	283.4	26.8	9.6	3.8
G43.0	385.9	31.9	11.5	2.6	16.7	31.3	368.9	29.5	10.2	3.8
G44.0	397.3	33.8	11.9	2.5	16.9	33.1	379.0	31.8	10.5	3.8
G45.0	405.8	35.6	12.2	2.5	17.3	34.8	387.3	33.8	10.9	3.8
G46.0	414.1	37.7	12.7	2.3	17.6	36.5	395.1	35.6	11.3	3.9
G47.0	421.1	50.5	13.1	2.3	17.9	65.2	404.5	42.4	11.7	3.9
G48.0	429.8	115.5	13.6	2.1	18.2	132.9	416.2	95.7	12.0	3.9
G49.0	438.1	191.6	13.8	2.0	18.5	215.2	426.4	175.1	12.4	3.9
G50.0	447.4	272.7	14.2	1.9	18.8	293.2	436.5	255.4	12.8	3.9
G51.0	457.8	342.9	14.5	1.8	19.1	359.7	447.1	333.2	13.1	3.8
G52.0	469.0	368.1	15.0	1.6	19.4	377.6	457.8	373.9	13.6	3.8
G53.0	482.6	374.1	15.5	1.5	19.7	384.2	471.4	381.5	13.8	3.9
G54.0	502.4	380.8	15.8	1.4	20.0	391.0	488.9	388.5	14.1	3.8
G55.0	528.8	385.5	16.3	1.4	20.3	396.5	513.1	396.0	14.6	3.8
G56.0	565.6	391.0	16.8	1.2	20.3	402.4	551.6	402.0	15.1	3.8
G57.0	599.3	395.9	17.2	1.0	20.7	407.6	588.8	407.7	15.5	3.8
G58.0	634.1	401.1	17.6	1.0	20.9	412.9	625.0	413.4	15.8	3.8
G59.0	671.2	408.5	18.0	0.9	21.2	418.9	664.1	419.5	16.2	3.8
G60.0	708.7	415.1	18.3	0.9	21.5	424.2	700.2	424.6	16.5	3.7
G61.0	748.2	422.8	18.6	0.8	21.7	429.5	739.0	430.9	16.8	3.7
G62.0	790.6	430.3	19.0	0.7	22.0	435.5	775.8	436.3	17.1	3.7
G63.0	831.0	437.2	19.4	0.6	22.2	440.6	809.5	440.9	17.4	3.6
G64.0	872.4	444.4	19.7	0.5	22.5	446.4	840.8	446.0	17.7	3.7
G65.0	908.4	451.7	20.2	0.5	22.8	453.1	865.1	450.9	18.0	3.6
G66.0	936.5	460.7	20.3	0.3	22.9	461.5	884.1	456.1	18.2	3.6
G67.0	960.3	471.3	20.6	0.1	23.2	471.8	899.4	463.9	18.5	3.6
G68.0	977.9	482.1	20.8	0.1	23.2	482.4	914.7	473.3	18.9	3.6
G69.0	998.2	495.2	21.0	0.2	23.5	494.4	935.2	486.4	19.1	3.5
G70.0	1017.1	510.3	21.3	0.1	23.7	506.7	952.5	500.3	19.4	3.5
G71.0	1033.2	527.9	21.6	0.0	23.8	518.9	970.5	515.5	19.6	3.5
G72.0	1047.6	545.0	21.9	0.0	24.0	534.9	988.0	534.1	19.9	3.4
G73.0	1062.3	559.3	22.2	0.0	24.2	550.4	1000.7	549.9	20.3	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 (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	1071.4	571.5	22.3	0.0	24.2	563.8	1016.3	564.5	20.3	3.3
G75.0	1078.1	584.0	22.6	0.0	24.3	578.3	1025.8	575.9	20.3	3.3
G76.0	1081.8	597.5	22.7	0.0	24.5	590.1	1033.0	586.8	20.3	3.3
G77.0	1085.4	608.3	23.0	0.0	24.5	603.9	1042.2	598.1	20.3	3.3
G78.0	1077.6	618.4	23.1	0.0	24.6	615.1	1051.5	609.0	20.6	3.2
G79.0	1052.9	628.8	23.3	0.0	24.7	626.5	1060.8	620.5	20.8	3.2
G80.0	1050.0	638.1	23.5	0.0	24.9	638.7	1070.2	633.1	20.9	3.1
G81.0	1044.4	645.3	23.7	0.0	24.9	648.3	1075.4	644.3	21.1	3.1
G82.0	1031.6	653.8	23.8	0.0	24.9	655.5	1063.8	656.5	21.1	3.1
G83.0	1019.7	663.3	24.0	0.0	24.9	662.4	1032.4	666.3	21.2	3.0
G84.0	1016.8	670.7	24.1	0.0	25.0	668.0	1018.6	675.6	21.2	3.0
G85.0	1015.8	678.0	24.3	0.0	24.9	673.3	1001.5	683.3	21.2	2.9
G86.0	1016.2	682.7	24.3	0.0	24.9	676.3	987.2	688.8	21.2	2.9
G87.0	1018.4	685.9	24.3	0.0	24.8	679.0	979.7	692.0	21.3	2.9
G88.0	1018.6	687.3	24.3	0.0	24.6	682.0	978.5	694.1	21.2	2.9
G89.0	1014.6	687.1	24.5	0.0	24.6	683.1	978.7	696.2	21.3	2.8
G90.0	1009.3	685.7	24.5	0.0	24.6	681.3	982.9	696.5	21.2	2.9
G91.0	1008.2	683.8	24.5	0.0	24.5	679.3	989.8	697.1	21.3	2.8
G92.0	1003.2	681.4	24.5	0.0	24.4	675.7	999.0	695.7	21.2	2.9
G93.0	1004.8	677.0	24.3	0.0	24.2	671.8	1011.4	694.9	21.1	2.8
G94.0	1010.9	673.3	24.4	0.0	24.2	668.1	1018.2	691.7	21.1	2.9
G95.0	1018.7	668.6	24.2	0.0	24.1	662.6	1019.7	688.7	21.0	2.8
G96.0	1023.7	662.9	24.0	0.0	24.0	653.8	1020.5	683.0	21.0	2.8
G97.0	1009.7	656.8	24.0	0.0	23.8	645.4	1026.8	676.3	20.7	2.8
G98.0	971.3	650.3	23.9	0.0	23.8	636.5	1030.5	668.3	20.6	2.8
G99.0	938.6	640.9	23.7	0.0	23.5	626.8	1032.3	662.3	20.6	2.8
G100.0	911.8	631.0	23.8	0.0	23.3	617.3	1029.5	655.3	20.5	2.8
G101.0	546.1	619.8	23.6	0.0	23.0	608.8	1009.5	648.1	20.3	2.8
G102.0	412.2	610.6	23.5	0.0	22.8	600.5	974.5	638.7	20.3	2.7
G103.0	402.8	600.6	23.3	0.0	22.5	590.6	949.5	627.3	20.3	2.7
G104.0	362.4	588.2	23.1	0.0	22.2	580.0	698.2	615.0	19.8	2.6
G105.0	332.7	575.5	22.9	0.0	22.0	569.2	521.8	603.7	19.6	2.5
G106.0	323.1	564.1	22.8	0.0	21.7	556.4	420.6	590.6	19.3	2.5
G107.0	317.9	550.2	22.6	0.0	21.3	540.3	385.8	577.1	19.2	2.3
G108.0	313.7	538.1	22.2	0.0	21.0	523.3	342.7	563.3	19.0	2.3
G109.0	309.5	522.1	22.0	0.0	20.6	504.8	322.8	545.8	18.8	2.2
G110.0	304.6	505.1	21.7	0.0	20.3	489.8	314.6	528.5	18.4	2.0

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	300.0	486.4	21.4	0.0	20.0	479.1	310.4	508.8	18.2	2.0
G112.0	295.3	473.4	21.1	0.0	19.5	469.3	305.3	487.7	17.9	1.9
G113.0	292.1	463.8	20.8	0.0	19.2	462.0	298.8	473.2	17.7	1.8
G114.0	286.4	455.0	20.3	0.0	18.7	453.8	288.7	461.2	17.4	1.6
G115.0	276.8	447.9	20.3	0.0	18.4	446.6	275.0	453.0	17.1	1.5
G116.0	259.6	441.6	20.1	0.0	18.0	439.8	258.5	444.8	16.9	1.2
G117.0	234.0	435.1	19.6	0.0	17.6	433.4	238.7	437.3	16.5	1.1
G118.0	208.3	430.1	19.3	0.0	17.3	427.5	216.8	431.3	16.3	0.9
G119.0	179.9	425.0	19.0	0.0	16.9	422.5	189.5	426.1	15.7	0.8
G120.0	149.6	419.7	18.6	0.0	16.4	416.4	168.4	421.3	15.5	0.5
G121.0	122.5	415.8	18.2	0.0	15.9	410.7	146.1	415.8	15.3	0.4
G122.0	95.9	411.1	17.7	0.0	15.4	404.6	124.6	410.6	14.9	0.2
G123.0	74.1	406.1	17.4	0.0	15.0	398.9	105.1	404.8	14.6	0.1
G124.0	58.1	401.2	17.1	0.0	14.4	393.3	87.1	399.7	14.3	0.0
G125.0	45.5	395.0	16.7	0.0	13.9	387.1	71.8	393.2	13.8	0.0
G126.0	37.2	387.9	16.3	0.0	13.4	379.9	59.5	386.7	13.6	0.0
G127.0	30.9	380.1	15.9	0.0	12.9	373.0	45.7	379.0	13.1	0.0
G128.0	26.5	370.4	15.4	0.0	12.3	364.4	36.8	370.1	12.7	0.0
G129.0	23.9	343.7	15.0	0.0	11.7	314.2	29.5	361.0	12.3	0.0
G130.0	22.4	272.0	14.6	0.0	11.1	229.5	25.5	337.7	12.0	0.0
G131.0	21.4	184.7	14.3	0.0	10.4	149.9	22.8	279.1	11.6	0.0
G132.0	20.4	107.6	13.8	0.0	9.9	75.3	20.4	199.3	11.3	0.0
G133.0	20.0	46.6	13.6	0.0	9.3	33.6	19.0	116.6	10.8	0.0
G134.0	19.5	36.0	13.2	0.0	8.7	31.0	18.0	55.3	10.5	0.0
G135.0	19.1	33.8	12.8	0.0	8.2	29.0	17.3	36.0	10.2	0.0
G136.0	18.8	31.2	12.3	0.0	7.7	26.9	16.8	33.3	9.9	0.0
G137.0	18.5	28.5	11.9	0.0	7.1	23.9	16.5	30.5	9.6	0.0
G138.0	18.2	25.7	11.5	0.0	6.5	21.6	16.1	27.5	9.3	0.0
G139.0	17.9	23.7	11.2	0.0	6.0	20.3	15.7	24.0	8.9	0.0
G140.0	17.4	22.8	10.8	0.0	5.5	19.7	15.3	22.3	8.6	0.0
G141.0	16.7	21.7	10.4	0.0	5.0	18.6	14.7	21.1	8.2	0.0
G142.0	16.2	20.8	10.1	0.0	4.5	17.6	14.2	20.0	8.0	0.0
G143.0	15.8	19.8	9.6	0.0	4.0	16.5	13.5	18.6	7.6	0.0
G144.0	15.3	18.7	9.1	0.0	3.6	15.3	13.5	17.7	7.2	0.0
G145.0	14.9	17.7	8.5	0.0	3.2	14.1	13.1	16.6	6.9	0.0
G146.0	14.6	16.5	8.0	0.0	2.8	12.9	12.8	15.5	6.5	0.0
G147.0	14.2	15.4	7.4	0.0	2.3	11.7	12.4	14.4	6.2	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	13.8	14.3	6.9	0.0	1.9	10.5	12.2	13.4	5.8	0.0
G149.0	13.5	13.0	6.4	0.0	1.6	9.4	11.8	12.0	5.3	0.0
G150.0	13.1	11.9	5.9	0.0	1.2	8.4	11.4	11.0	5.0	0.0
G151.0	12.6	11.0	5.5	0.0	0.9	7.5	10.9	10.1	4.6	0.0
G152.0	12.2	10.0	4.9	0.0	0.6	6.6	10.4	9.1	4.3	0.0
G153.0	11.6	9.1	4.4	0.0	0.4	5.8	9.8	8.2	3.8	0.0
G154.0	10.7	8.2	4.1	0.0	0.1	5.2	9.3	7.3	3.5	0.0
G155.0	10.0	7.5	3.7	0.0	0.0	4.7	8.5	6.6	3.0	0.0
G156.0	9.2	6.8	3.2	0.0	0.0	4.2	7.9	5.9	2.7	0.0
G157.0	8.5	6.1	2.9	0.0	0.0	3.6	7.1	5.3	2.3	0.0
G158.0	7.7	5.5	2.5	0.0	0.0	3.1	6.3	4.7	2.0	0.0
G159.0	7.0	5.0	2.1	0.0	0.0	2.5	5.7	4.2	1.5	0.0
G160.0	6.3	4.4	1.8	0.0	0.0	1.9	5.1	3.7	1.3	0.0
G161.0	5.7	4.0	1.5	0.0	0.0	1.3	4.5	3.3	1.0	0.0
G162.0	5.1	3.6	1.0	0.0	0.0	0.9	4.0	2.8	0.8	0.0
G163.0	4.6	3.1	0.8	0.0	0.0	0.6	3.5	2.5	0.4	0.0
G164.0	4.1	2.7	0.4	0.0	0.0	0.4	3.0	2.0	0.2	0.0
G165.0	3.5	2.1	0.2	0.0	0.0	0.1	2.5	1.7	0.1	0.0
G166.0	3.0	1.7	0.0	0.0	0.0	0.0	2.2	1.3	0.0	0.0
G167.0	2.5	1.3	0.0	0.0	0.0	0.0	1.6	0.8	0.0	0.0
G168.0	1.9	1.0	0.0	0.0	0.0	0.0	1.3	0.5	0.0	0.0
G169.0	1.4	0.6	0.0	0.0	0.0	0.0	0.9	0.2	0.0	0.0
G170.0	1.0	0.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
G171.0	0.4	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	4.7	0.0	0.0							
G1.0	4.7	0.0	0.0							
G2.0	4.7	0.0	0.0							
G3.0	4.6	0.0	0.0							
G4.0	4.7	0.0	0.0							
G5.0	4.7	0.0	0.0							
G6.0	4.8	0.0	0.2							
G7.0	4.8	0.0	0.8							
G8.0	4.9	0.3	1.4							
G9.0	4.9	0.8	2.0							
G10.0	4.9	1.2	2.8							
G11.0	4.9	1.9	3.5							
G12.0	4.9	2.5	4.3							
G13.0	5.0	3.1	5.0							
G14.0	5.0	3.8	5.8							
G15.0	5.1	4.4	6.5							
G16.0	5.1	5.1	7.3							
G17.0	5.2	5.7	8.2							
G18.0	5.2	6.3	9.1							
G19.0	5.4	7.0	10.2							
G20.0	5.5	7.7	11.1							
G21.0	5.6	8.4	12.1							
G22.0	5.8	9.2	13.2							
G23.0	6.0	10.0	14.3							
G24.0	6.2	10.9	15.7							
G25.0	6.3	11.6	17.0							
G26.0	6.6	12.6	18.3							
G27.0	6.8	13.5	19.9							
G28.0	7.0	14.5	21.0							
G29.0	7.3	15.8	22.2							
G30.0	7.5	16.9	23.5							
G31.0	7.8	17.9	24.7							
G32.0	8.1	18.9	26.0							
G33.0	8.4	20.0	27.0							
G34.0	8.7	20.9	28.0							
G35.0	8.9	22.1	29.1							
G36.0	9.4	23.1	31.6							

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	9.7	24.1	34.6							
G38.0	10.0	25.0	37.3							
G39.0	10.3	25.9	40.4							
G40.0	10.7	26.6	88.9							
G41.0	11.1	27.1	192.1							
G42.0	11.4	27.9	299.6							
G43.0	11.8	29.1	385.9							
G44.0	12.1	31.3	397.3							
G45.0	12.5	33.5	405.8							
G46.0	12.9	35.2	414.1							
G47.0	13.3	36.8	421.1							
G48.0	13.5	41.6	429.8							
G49.0	14.0	87.2	438.1							
G50.0	14.5	157.8	447.4							
G51.0	14.9	252.0	457.8							
G52.0	15.3	326.6	469.0							
G53.0	15.8	383.1	482.6							
G54.0	16.3	394.2	502.4							
G55.0	16.9	400.2	528.8							
G56.0	17.2	406.3	565.6							
G57.0	17.8	411.2	599.3							
G58.0	18.1	416.3	634.1							
G59.0	18.6	421.7	671.2							
G60.0	18.9	426.6	708.7							
G61.0	19.4	432.3	748.2							
G62.0	19.7	437.5	790.6							
G63.0	20.3	442.6	831.0							
G64.0	20.3	448.9	872.4							
G65.0	20.9	454.5	908.4							
G66.0	21.2	461.1	936.5							
G67.0	21.7	468.5	960.3							
G68.0	22.0	475.0	977.9							
G69.0	22.4	483.0	998.2							
G70.0	22.7	492.1	1017.1							
G71.0	23.0	502.5	1033.2							
G72.0	23.4	514.3	1047.6							
G73.0	23.5	527.2	1062.3							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	23.8	542.5	1071.4							
G75.0	24.0	560.3	1078.1							
G76.0	24.3	575.2	1081.8							
G77.0	24.2	590.4	1085.4							
G78.0	24.5	602.4	1077.6							
G79.0	24.7	612.3	1052.9							
G80.0	24.8	623.6	1050.0							
G81.0	24.8	632.4	1044.4							
G82.0	24.9	641.3	1031.6							
G83.0	24.9	647.7	1019.7							
G84.0	25.2	654.2	1016.8							
G85.0	25.2	660.2	1015.8							
G86.0	25.4	665.1	1016.2							
G87.0	25.2	667.6	1018.4							
G88.0	25.4	668.7	1018.6							
G89.0	25.2	670.7	1014.6							
G90.0	25.3	670.9	1009.3							
G91.0	25.0	671.4	1008.2							
G92.0	25.2	671.1	1003.2							
G93.0	24.9	671.1	1004.8							
G94.0	25.0	670.6	1010.9							
G95.0	24.8	668.8	1018.7							
G96.0	24.9	667.3	1023.7							
G97.0	24.6	663.8	1009.7							
G98.0	24.7	653.7	971.3							
G99.0	24.5	643.0	938.6							
G100.0	24.6	630.5	911.8							
G101.0	23.9	618.7	546.1							
G102.0	23.1	606.9	412.2							
G103.0	22.8	595.9	402.8							
G104.0	22.7	586.6	362.4							
G105.0	22.5	580.9	332.7							
G106.0	22.5	570.3	323.1							
G107.0	22.3	556.4	317.9							
G108.0	22.0	543.1	313.7							
G109.0	21.9	525.0	309.5							
G110.0	21.7	512.0	304.6							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	21.3	499.3	300.0							
G112.0	21.1	487.9	295.3							
G113.0	20.9	477.7	292.1							
G114.0	21.1	466.6	286.4							
G115.0	20.9	455.4	276.8							
G116.0	20.5	445.5	259.6							
G117.0	20.3	433.0	234.0							
G118.0	19.9	422.9	208.3							
G119.0	19.5	416.3	179.9							
G120.0	19.0	415.1	149.6							
G121.0	18.8	414.8	122.5							
G122.0	18.4	412.8	95.9							
G123.0	18.1	412.0	74.1							
G124.0	17.7	406.8	58.1							
G125.0	17.2	400.4	45.5							
G126.0	16.9	395.4	37.2							
G127.0	16.4	385.8	30.9							
G128.0	16.0	375.8	26.5							
G129.0	15.5	365.5	23.9							
G130.0	15.0	315.0	22.4							
G131.0	14.6	244.6	21.4							
G132.0	14.2	163.2	20.4							
G133.0	13.6	85.9	20.0							
G134.0	13.3	43.4	19.5							
G135.0	12.8	38.3	19.1							
G136.0	12.4	35.3	18.8							
G137.0	11.9	32.7	18.5							
G138.0	11.5	29.1	18.2							
G139.0	11.2	26.6	17.9							
G140.0	10.8	24.0	17.4							
G141.0	10.4	22.7	16.7							
G142.0	9.9	21.6	16.2							
G143.0	9.4	20.3	15.8							
G144.0	8.9	19.3	15.3							
G145.0	8.5	18.2	14.9							
G146.0	7.9	16.9	14.6							
G147.0	7.5	15.6	14.2							

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	7.1	14.4	13.8							
G149.0	6.5	13.2	13.5							
G150.0	6.1	12.2	13.1							
G151.0	5.6	11.2	12.6							
G152.0	5.2	10.3	12.2							
G153.0	4.8	9.5	11.6							
G154.0	4.3	8.6	10.7							
G155.0	3.9	7.9	10.0							
G156.0	3.5	7.2	9.2							
G157.0	3.2	6.5	8.5							
G158.0	2.8	5.9	7.7							
G159.0	2.4	5.4	7.0							
G160.0	2.0	4.9	6.3							
G161.0	1.7	4.4	5.7							
G162.0	1.3	4.0	5.1							
G163.0	1.0	3.6	4.6							
G164.0	0.6	3.1	4.1							
G165.0	0.4	2.8	3.5							
G166.0	0.2	2.3	3.0							
G167.0	0.0	2.0	2.5							
G168.0	0.0	1.5	1.9							
G169.0	0.0	1.2	1.4							
G170.0	0.0	0.8	1.0							
G171.0	0.0	0.4	0.4							
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: