HAVIT COMMERCIAL
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Report No.: 001 Test Time: 2019-04-29 15:52

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212240,HCP-213240(3000K)
Lamp Catalog: COB Luminous Length (mm): -110
Luminous Width (mm): -110 Luminous Height (mm): 0
Voltage: 230V Current: 0.114A
Power: 25.54W Power Factor: 0.970

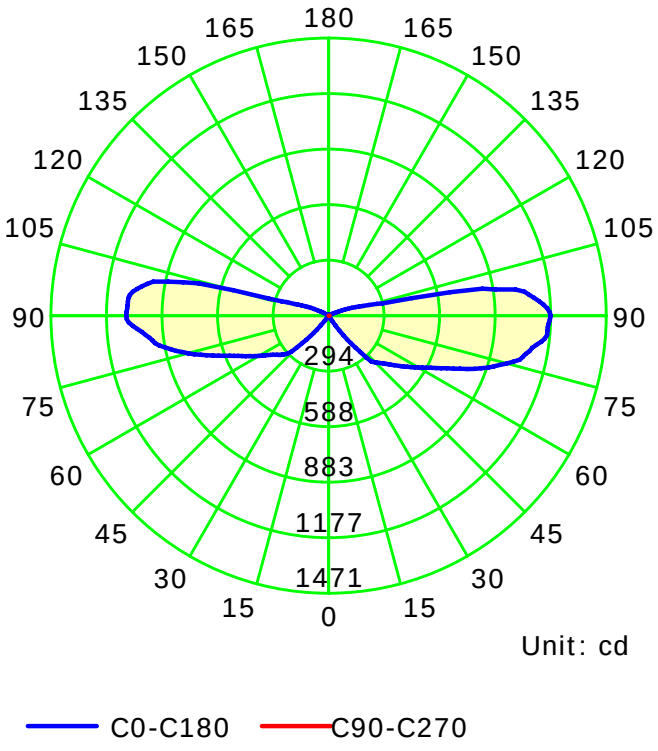
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 1990.9 lm
Measurement Flux: 1990.9 lm Efficiency: 100%
Downward Ratio: 57% Upward Ratio: 43%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 222.7, 360.0, 273.1, 273.6
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 206.0, 360.0, 255.1, 256.5
Luminaire Efficacy Rating (LER): 78.00 Central Intensity: 0 cd
Max. Intensity: 1177.57 cd Pos of Max. Intensity: H0 V90
S/MH(C0/C180): -795.19 S/MH(C90/C270): -1.#J

Picture Of Luminaire



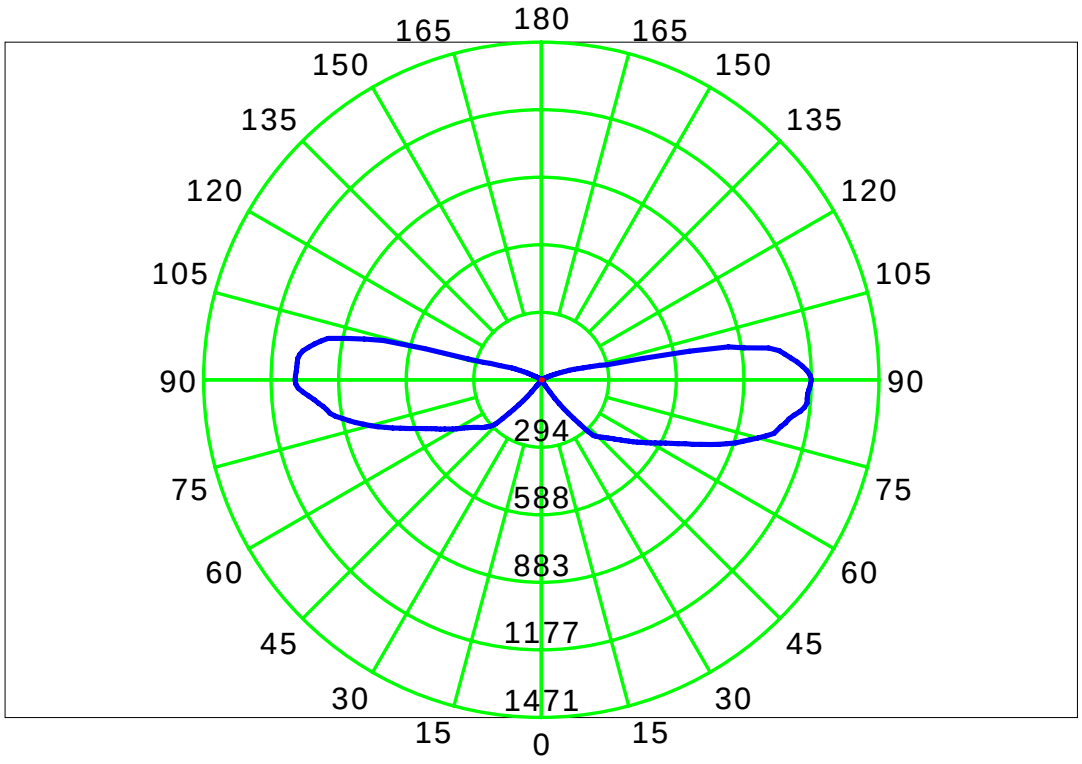
Luminous Intensity Distribution Curve

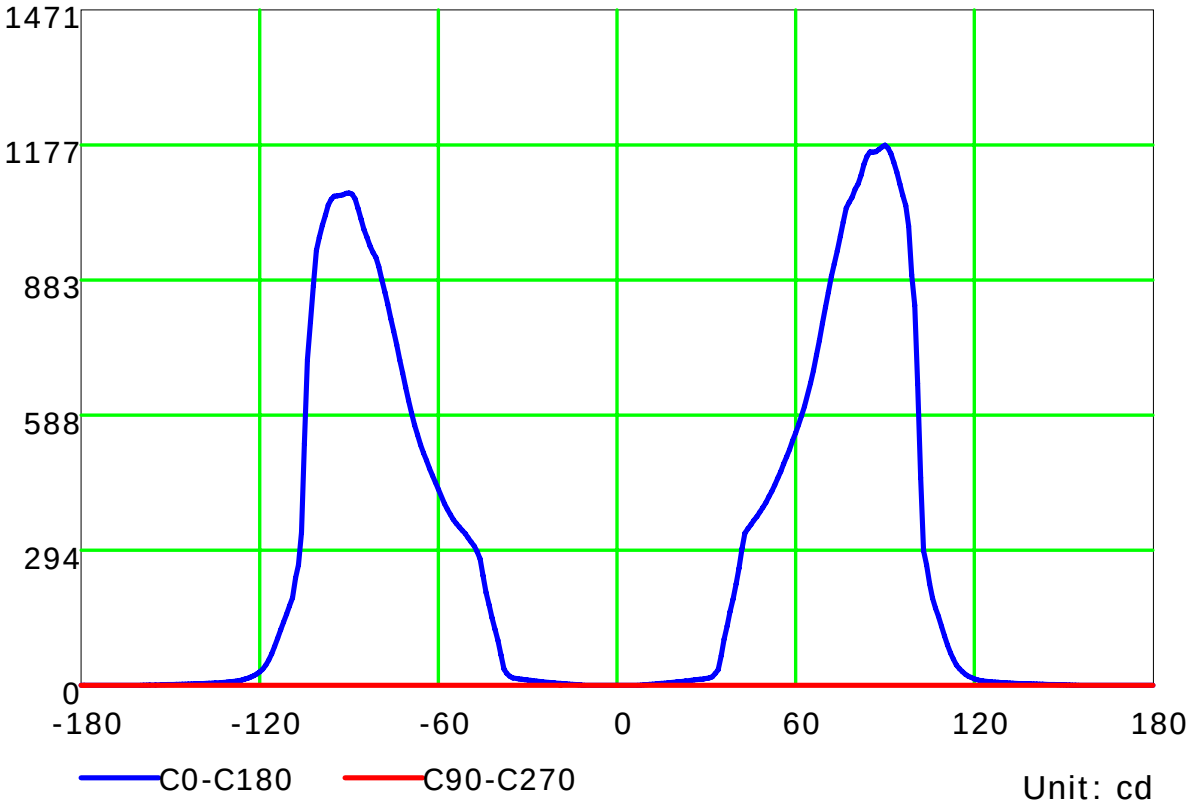


C Plane (°):0.0-360.0: 30.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 6.583 m
Temperature: 25°C Humidity:
Operator: DING LI Inspector:

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Luminous Intensity Distribution Curve



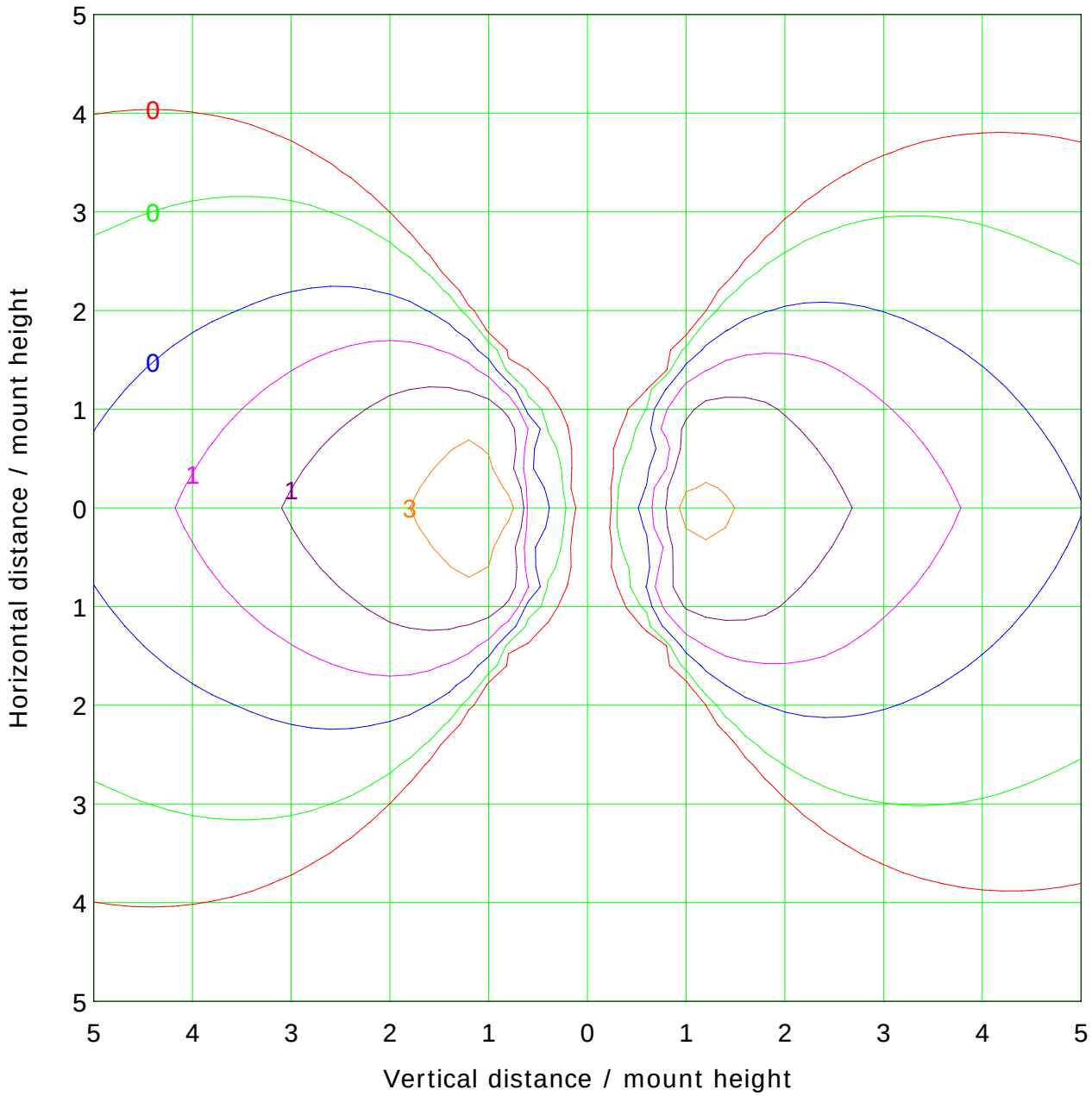


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
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Humidity:
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IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 5.2 lx

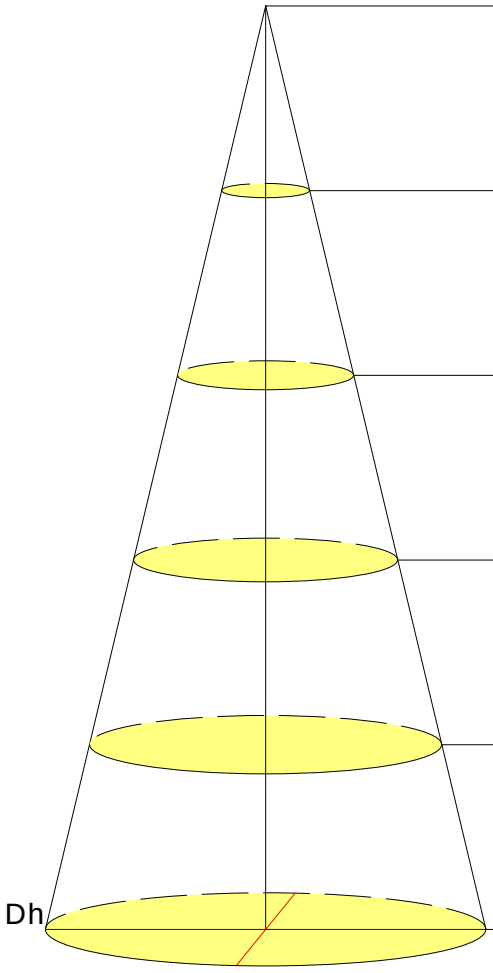
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.5 lx
(20%): 1.0 lx	(50%): 2.6 lx
(100%): 5.2 lx	

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
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Gamma Plane (°):0.0-180.0:1.0
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/NA	NA	NA
2.0	0.00	NA/NA	NA	NA
3.0	0.00	NA/NA	NA	NA
4.0	0.00	NA/NA	NA	NA
5.0	0.00	NA/NA	NA	NA

Beam Angle(B): H206.0 V360.0 Field Angle(F): H222.7 V360.0

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:
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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	27.8	29.0	28.6	29.8	31.0	9.1	10.3	9.9	11.2	12.3
3H	33.2	34.3	34.0	35.2	36.3	9.0	10.1	9.8	11.0	12.1
4H	36.3	37.3	37.2	38.2	39.4	8.9	10.0	9.8	10.9	12.1
6H	39.5	40.5	40.4	41.4	42.6	8.9	9.9	9.8	10.8	12.0
8H	41.2	42.1	42.1	43.1	44.2	8.9	9.8	9.8	10.8	12.0
12H	43.0	43.9	43.9	44.9	46.1	8.9	9.8	9.8	10.7	11.9
X=4H Y=2H	27.9	29.0	28.8	29.9	31.0	20.5	21.5	21.4	22.5	23.6
3H	33.6	34.5	34.5	35.5	36.7	20.7	21.6	21.6	22.6	23.8
4H	36.9	37.7	37.8	38.7	39.9	20.6	21.4	21.5	22.4	23.6
6H	40.4	41.1	41.3	42.1	43.3	20.5	21.2	21.4	22.2	23.4
8H	42.2	42.9	43.1	43.9	45.1	20.4	21.1	21.4	22.1	23.4
12H	44.3	44.9	45.2	45.9	47.1	20.4	21.0	21.3	22.0	23.3
X=8H Y=4H	36.9	37.6	37.8	38.6	39.8	27.3	28.0	28.3	29.0	30.3
6H	40.6	41.2	41.6	42.2	43.5	27.5	28.1	28.4	29.1	30.3
8H	42.7	43.2	43.6	44.2	45.5	27.4	28.0	28.4	29.0	30.2
12H	45.0	45.5	46.0	46.5	47.8	27.4	27.9	28.3	28.9	30.2
X=12H Y=4H	36.8	37.5	37.8	38.5	39.7	29.6	30.3	30.5	31.2	32.5
6H	40.6	41.2	41.6	42.2	43.4	30.4	30.9	31.4	31.9	33.2
8H	42.7	43.2	43.7	44.2	45.5	30.5	31.0	31.5	32.0	33.3
Variations with the observer position at spacings:										
S=1.0H	+0.5/-0.6					+0.2/-0.1				
S=1.5H	+0.8/-1.0					+0.2/-0.3				
S=2.0H	+1.2/-1.6					+0.6/-0.6				

Calculate in accordance with CIE Pub.117. The table is revised with 1991lm (8log(F/F0) = 2.4).

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G7.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G8.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G9.0	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G10.0	1.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G11.0	2.2	1.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
G12.0	2.7	1.7	0.0	0.0	0.0	0.3	0.8	0.0	0.0	0.0
G13.0	3.0	2.2	0.0	0.0	0.0	0.7	1.2	0.4	0.0	0.0
G14.0	3.9	2.7	0.0	0.0	0.0	1.1	1.8	0.7	0.0	0.0
G15.0	4.4	3.0	0.3	0.0	0.0	1.4	2.4	1.1	0.0	0.0
G16.0	4.9	3.5	0.5	0.0	0.0	2.0	2.7	1.6	0.0	0.0
G17.0	5.5	4.2	0.7	0.0	0.0	2.3	3.2	2.1	0.0	0.0
G18.0	6.2	4.5	0.9	0.0	0.0	2.7	3.7	2.3	0.0	0.0
G19.0	6.8	4.9	1.0	0.0	0.0	3.2	4.2	2.8	0.0	0.0
G20.0	7.5	5.5	1.2	0.0	0.1	3.6	4.7	3.2	0.0	0.0
G21.0	8.1	6.0	1.5	0.0	0.3	3.9	5.4	3.6	0.0	0.0
G22.0	8.7	6.6	1.9	0.0	0.5	4.3	5.9	4.0	0.1	0.0
G23.0	9.5	7.1	2.1	0.0	0.7	4.9	6.5	4.4	0.3	0.0
G24.0	10.3	7.7	2.3	0.0	0.9	5.3	7.3	5.0	0.6	0.0
G25.0	11.1	8.2	2.5	0.0	1.1	5.8	7.9	5.5	0.8	0.0
G26.0	11.9	8.6	2.6	0.0	1.3	6.3	8.4	5.9	0.9	0.0
G27.0	12.6	9.3	2.8	0.0	1.6	7.0	9.2	6.5	1.2	0.0
G28.0	13.3	10.0	3.1	0.0	1.8	7.5	10.0	7.1	1.4	0.0
G29.0	13.9	10.6	3.4	0.0	1.9	7.8	10.8	7.7	1.7	0.0
G30.0	15.2	11.3	3.7	0.0	2.1	8.6	11.5	8.0	1.8	0.0
G31.0	16.2	11.9	4.0	0.0	2.4	9.1	12.4	8.6	2.1	0.0
G32.0	18.6	12.4	4.2	0.0	2.6	9.7	13.4	9.2	2.3	0.0
G33.0	25.8	13.0	4.4	0.0	2.8	10.4	14.2	9.9	2.4	0.0
G34.0	33.8	13.4	4.5	0.0	3.0	10.9	15.2	10.5	2.6	0.0
G35.0	64.6	14.5	4.6	0.0	3.3	11.6	16.2	11.1	2.8	0.0
G36.0	100.6	15.6	4.9	0.0	3.5	11.9	19.7	11.7	3.2	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 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	129.4	16.4	5.2	0.0	3.7	12.8	25.6	12.4	3.4	0.0
G38.0	160.6	17.8	5.4	0.0	3.9	13.6	35.3	13.3	3.5	0.0
G39.0	188.0	22.8	5.7	0.0	4.1	13.9	66.6	14.1	3.7	0.0
G40.0	220.8	29.2	6.0	0.0	4.1	14.6	98.1	14.9	3.8	0.0
G41.0	255.1	39.4	6.1	0.0	4.3	16.5	121.8	15.7	4.0	0.0
G42.0	298.5	66.1	6.3	0.0	4.6	21.6	147.3	16.4	4.2	0.0
G43.0	331.8	97.3	6.4	0.0	4.9	26.6	175.3	20.5	4.5	0.0
G44.0	341.7	120.9	6.7	0.0	5.2	37.6	202.3	25.2	4.7	0.0
G45.0	350.3	141.6	6.8	0.0	5.4	64.3	239.0	31.3	4.9	0.0
G46.0	359.7	163.3	7.2	0.0	5.6	89.3	275.2	47.0	5.1	0.0
G47.0	367.7	184.4	7.4	0.0	5.8	108.9	291.7	73.4	5.3	0.0
G48.0	377.5	207.8	7.6	0.0	6.1	129.9	303.5	97.6	5.6	0.0
G49.0	387.6	230.9	7.7	0.0	6.3	148.6	312.3	115.3	5.7	0.0
G50.0	398.2	256.6	7.9	0.0	6.6	167.0	321.4	132.7	6.0	0.0
G51.0	410.6	291.0	8.1	0.0	6.8	188.6	330.8	152.3	6.2	0.0
G52.0	423.1	319.8	8.4	0.0	7.0	209.1	337.9	170.1	6.4	0.0
G53.0	436.2	332.0	8.7	0.0	7.3	233.5	345.0	190.5	6.6	0.0
G54.0	451.6	339.4	9.0	0.0	7.5	263.8	352.9	212.7	6.8	0.0
G55.0	466.1	345.9	9.2	0.0	7.7	281.5	361.4	235.4	7.0	0.0
G56.0	483.0	352.3	9.5	0.0	7.8	289.6	372.2	262.8	7.2	0.0
G57.0	498.5	357.7	9.8	0.0	8.1	296.5	383.7	280.6	7.4	0.0
G58.0	513.9	362.7	9.9	0.0	8.3	302.8	396.1	289.3	7.5	0.0
G59.0	533.5	368.4	10.1	0.0	8.6	309.9	411.9	297.1	7.7	0.0
G60.0	550.2	374.2	10.2	0.0	8.7	315.9	427.3	303.8	7.9	0.0
G61.0	568.2	380.4	10.5	0.0	9.0	321.3	442.3	310.6	8.2	0.0
G62.0	587.9	387.3	10.7	0.0	9.1	327.5	457.3	317.5	8.4	0.0
G63.0	607.7	393.7	10.9	0.0	9.3	333.4	472.6	325.2	8.7	0.0
G64.0	633.3	400.9	11.1	0.0	9.6	339.1	490.3	332.6	9.0	0.0
G65.0	658.8	407.2	11.2	0.0	9.8	343.9	506.7	338.1	9.1	0.0
G66.0	686.0	413.6	11.4	0.0	10.0	348.4	524.2	343.0	9.3	0.0
G67.0	719.8	421.4	11.6	0.0	10.2	353.5	546.2	347.8	9.5	0.0
G68.0	751.0	427.2	11.8	0.0	10.3	358.8	566.7	352.0	9.8	0.0
G69.0	788.4	432.4	12.0	0.0	10.5	365.3	592.8	355.9	10.1	0.0
G70.0	823.6	436.5	12.0	0.0	10.6	371.5	620.7	359.5	10.2	0.0
G71.0	856.2	440.1	12.1	0.0	10.7	378.7	649.1	363.4	10.4	0.0
G72.0	891.0	444.9	12.0	0.0	10.8	386.4	680.7	368.2	10.5	0.0
G73.0	918.2	450.6	12.1	0.0	10.9	392.1	709.0	372.4	10.7	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 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	947.0	457.2	12.3	0.0	11.0	397.9	742.0	378.4	10.9	0.0
G75.0	978.6	463.4	12.5	0.0	11.1	404.3	771.7	383.9	11.1	0.0
G76.0	1009.7	469.0	12.5	0.0	11.2	409.7	798.9	389.1	11.1	0.0
G77.0	1040.3	474.4	12.4	0.0	11.2	416.0	830.2	394.3	11.2	0.0
G78.0	1052.6	478.5	12.6	0.0	11.3	421.7	856.8	398.9	11.3	0.0
G79.0	1064.1	482.8	12.7	0.0	11.3	426.7	883.7	404.2	11.4	0.0
G80.0	1081.7	486.7	12.9	0.0	11.3	432.4	912.3	408.5	11.6	0.0
G81.0	1092.6	489.4	12.9	0.0	11.4	438.0	932.7	412.5	11.6	0.0
G82.0	1112.3	491.4	13.0	0.0	11.5	442.8	943.9	416.5	11.7	0.0
G83.0	1135.9	493.6	13.0	0.0	11.7	447.4	957.6	420.5	11.8	0.0
G84.0	1153.3	494.8	13.1	0.0	11.8	450.8	976.6	424.6	11.9	0.0
G85.0	1162.7	495.7	13.1	0.0	11.9	453.9	993.7	428.7	11.9	0.0
G86.0	1162.2	496.8	13.2	0.0	11.9	456.4	1016.4	431.9	11.9	0.0
G87.0	1163.1	497.0	13.1	0.0	11.9	458.4	1039.5	434.8	11.9	0.0
G88.0	1167.8	496.5	13.1	0.0	12.0	460.1	1060.0	437.7	11.8	0.0
G89.0	1173.3	496.3	13.2	0.0	12.1	461.2	1070.5	439.6	11.8	0.0
G90.0	1177.6	494.9	13.2	0.0	12.0	461.9	1073.0	441.5	11.8	0.0
G91.0	1171.6	492.8	13.2	0.0	12.0	463.1	1072.3	442.7	11.9	0.0
G92.0	1158.9	490.7	13.3	0.0	12.1	463.0	1069.2	443.7	11.9	0.0
G93.0	1140.0	488.2	13.2	0.0	12.1	462.6	1067.8	444.2	11.9	0.0
G94.0	1118.4	486.0	13.1	0.0	12.1	461.7	1066.8	444.3	11.8	0.0
G95.0	1092.7	483.1	13.0	0.0	12.1	460.5	1066.3	443.6	11.7	0.0
G96.0	1068.2	479.0	12.9	0.0	12.1	458.9	1059.7	442.5	11.7	0.0
G97.0	1045.6	475.3	12.8	0.0	12.1	457.1	1046.8	440.8	11.8	0.0
G98.0	1000.5	471.2	12.6	0.0	12.0	454.9	1024.3	439.5	11.8	0.0
G99.0	894.7	465.9	12.4	0.0	11.8	451.9	1002.1	437.9	11.8	0.0
G100.0	828.2	461.1	12.3	0.0	11.7	449.2	976.2	435.9	11.9	0.0
G101.0	657.6	455.6	12.3	0.0	11.6	444.8	947.8	433.5	11.8	0.0
G102.0	452.4	449.0	12.1	0.0	11.5	440.8	870.7	430.5	11.8	0.0
G103.0	293.6	443.5	12.0	0.0	11.4	436.7	791.9	426.6	11.8	0.0
G104.0	262.6	437.7	11.8	0.0	11.4	432.1	710.2	422.0	11.7	0.0
G105.0	221.3	432.5	11.6	0.0	11.2	427.9	526.5	417.9	11.7	0.0
G106.0	190.4	426.5	11.4	0.0	11.2	423.5	333.4	412.9	11.6	0.0
G107.0	167.9	419.9	11.3	0.0	11.1	419.6	262.4	407.2	11.6	0.0
G108.0	150.4	414.4	11.1	0.0	10.9	416.0	234.1	403.4	11.6	0.0
G109.0	129.0	407.8	10.9	0.0	10.7	410.0	191.1	399.6	11.5	0.0
G110.0	107.7	402.4	10.8	0.0	10.6	403.7	173.1	393.6	11.4	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	88.3	397.7	10.6	0.0	10.6	397.4	155.5	387.7	11.3	0.0
G112.0	71.0	393.5	10.3	0.0	10.4	389.6	138.0	381.6	11.2	0.0
G113.0	57.3	389.7	10.1	0.0	10.2	383.3	121.1	376.6	11.0	0.0
G114.0	44.6	385.5	9.8	0.0	10.1	376.4	102.9	369.8	10.8	0.0
G115.0	36.6	380.8	9.7	0.0	10.0	370.1	84.9	365.1	10.7	0.0
G116.0	30.0	375.5	9.5	0.0	9.9	363.3	68.8	360.0	10.5	0.0
G117.0	24.3	370.1	9.4	0.0	9.7	356.5	54.8	354.3	10.3	0.0
G118.0	20.2	364.9	9.1	0.0	9.6	349.2	44.0	349.4	10.2	0.0
G119.0	17.2	358.1	8.9	0.0	9.4	342.9	35.3	344.1	10.0	0.0
G120.0	14.3	350.8	8.6	0.0	9.1	336.4	29.3	339.5	9.9	0.0
G121.0	12.5	343.5	8.2	0.0	9.0	331.6	25.0	335.9	9.5	0.0
G122.0	10.8	334.5	7.9	0.0	8.8	325.8	21.1	331.4	9.4	0.0
G123.0	9.7	324.5	7.7	0.0	8.6	321.1	18.2	327.2	9.2	0.0
G124.0	8.9	305.9	7.5	0.0	8.4	316.7	15.7	322.6	9.0	0.0
G125.0	8.1	267.6	7.4	0.0	8.2	311.6	13.6	316.9	8.6	0.0
G126.0	7.6	240.1	7.3	0.0	8.0	306.2	11.6	311.0	8.2	0.0
G127.0	7.1	219.4	7.0	0.0	7.7	300.7	10.4	304.4	8.0	0.0
G128.0	6.7	197.6	6.8	0.0	7.5	284.9	9.4	287.6	7.7	0.0
G129.0	6.2	176.4	6.4	0.0	7.2	254.5	8.4	257.4	7.6	0.0
G130.0	5.8	154.7	6.0	0.0	7.1	223.2	7.7	230.4	7.3	0.0
G131.0	5.4	134.1	5.8	0.0	6.8	199.9	7.1	207.3	7.1	0.0
G132.0	5.1	113.6	5.7	0.0	6.6	178.8	6.5	187.2	6.8	0.0
G133.0	4.9	91.4	5.5	0.0	6.4	157.5	6.1	166.1	6.7	0.0
G134.0	4.5	55.7	5.2	0.0	6.1	139.1	5.7	148.4	6.5	0.0
G135.0	4.1	34.4	5.0	0.0	5.8	119.4	5.3	128.2	6.2	0.0
G136.0	3.9	25.8	4.7	0.0	5.4	97.4	4.8	108.4	5.9	0.0
G137.0	3.7	19.0	4.4	0.0	5.2	73.1	4.6	88.2	5.6	0.0
G138.0	3.4	15.0	4.2	0.0	4.9	43.4	4.2	62.5	5.4	0.0
G139.0	3.3	14.4	4.0	0.0	4.7	27.7	3.9	35.6	5.3	0.0
G140.0	3.0	13.8	3.9	0.0	4.6	21.3	3.7	25.3	5.1	0.0
G141.0	2.9	12.9	3.7	0.0	4.4	15.5	3.4	18.8	4.9	0.0
G142.0	2.7	12.0	3.6	0.0	4.3	13.6	3.3	14.3	4.6	0.0
G143.0	2.5	11.3	3.3	0.0	4.0	12.9	3.1	13.6	4.4	0.0
G144.0	2.3	10.7	3.0	0.0	3.6	12.1	2.9	12.9	4.0	0.0
G145.0	2.0	10.1	2.6	0.0	3.4	11.1	2.7	12.2	3.7	0.0
G146.0	1.9	9.5	2.3	0.0	3.1	10.3	2.5	11.3	3.5	0.0
G147.0	1.8	8.8	2.2	0.0	2.9	9.5	2.3	10.6	3.3	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	1.6	8.2	2.0	0.0	2.7	8.6	2.2	10.2	3.2	0.0
G149.0	1.3	7.5	1.8	0.0	2.3	7.6	2.0	9.5	3.0	0.0
G150.0	1.2	6.7	1.6	0.0	1.9	6.5	1.9	8.9	2.7	0.0
G151.0	1.0	6.1	1.4	0.0	1.6	5.5	1.8	8.1	2.4	0.0
G152.0	0.8	5.5	0.9	0.0	1.3	4.5	1.6	7.5	2.1	0.0
G153.0	0.7	4.6	0.7	0.0	1.1	3.7	1.4	6.8	2.0	0.0
G154.0	0.4	4.2	0.5	0.0	0.9	2.7	1.3	5.8	1.8	0.0
G155.0	0.3	3.6	0.2	0.0	0.6	2.2	1.0	5.3	1.6	0.0
G156.0	0.2	3.0	0.1	0.0	0.4	1.5	0.9	4.8	1.4	0.0
G157.0	0.0	2.4	0.0	0.0	0.1	0.8	0.8	4.0	1.0	0.0
G158.0	0.0	1.9	0.0	0.0	0.0	0.4	0.6	3.5	0.8	0.0
G159.0	0.0	1.5	0.0	0.0	0.0	0.0	0.5	3.0	0.4	0.0
G160.0	0.0	1.1	0.0	0.0	0.0	0.0	0.1	2.3	0.3	0.0
G161.0	0.0	0.5	0.0	0.0	0.0	0.0	0.2	1.7	0.2	0.0
G162.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	1.3	0.1	0.0
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G167.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0							
G1.0	0.0	0.0	0.0							
G2.0	0.0	0.0	0.0							
G3.0	0.0	0.0	0.0							
G4.0	0.0	0.0	0.0							
G5.0	0.0	0.0	0.0							
G6.0	0.0	0.0	0.0							
G7.0	0.0	0.0	0.2							
G8.0	0.0	0.0	0.5							
G9.0	0.0	0.1	1.1							
G10.0	0.0	0.6	1.5							
G11.0	0.0	0.9	2.2							
G12.0	0.0	1.3	2.7							
G13.0	0.0	1.8	3.0							
G14.0	0.0	2.4	3.9							
G15.0	0.1	2.7	4.4							
G16.0	0.5	3.2	4.9							
G17.0	0.7	3.8	5.5							
G18.0	0.8	4.3	6.2							
G19.0	1.1	4.6	6.8							
G20.0	1.3	5.2	7.5							
G21.0	1.3	5.8	8.1							
G22.0	1.7	6.4	8.7							
G23.0	2.1	6.7	9.5							
G24.0	2.5	7.3	10.3							
G25.0	2.5	7.9	11.1							
G26.0	2.7	8.2	11.9							
G27.0	2.9	8.9	12.6							
G28.0	3.1	9.6	13.3							
G29.0	3.5	10.2	13.9							
G30.0	3.8	10.9	15.2							
G31.0	4.1	11.6	16.2							
G32.0	4.3	12.2	18.6							
G33.0	4.6	12.7	25.8							
G34.0	4.8	13.2	33.8							
G35.0	5.1	13.7	64.6							
G36.0	5.3	14.8	100.6							

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	5.6	15.8	129.4							
G38.0	5.9	16.3	160.6							
G39.0	6.1	20.5	188.0							
G40.0	6.4	27.2	220.8							
G41.0	6.6	34.7	255.1							
G42.0	6.8	56.2	298.5							
G43.0	7.0	91.7	331.8							
G44.0	7.3	112.0	341.7							
G45.0	7.6	134.4	350.3							
G46.0	7.8	156.2	359.7							
G47.0	8.0	176.0	367.7							
G48.0	8.2	199.4	377.5							
G49.0	8.2	220.6	387.6							
G50.0	8.4	242.2	398.2							
G51.0	8.7	272.0	410.6							
G52.0	9.0	305.7	423.1							
G53.0	9.4	323.8	436.2							
G54.0	9.6	330.6	451.6							
G55.0	9.8	337.2	466.1							
G56.0	10.1	343.9	483.0							
G57.0	10.2	349.3	498.5							
G58.0	10.4	355.0	513.9							
G59.0	10.6	360.7	533.5							
G60.0	10.9	366.2	550.2							
G61.0	11.1	372.5	568.2							
G62.0	11.3	378.5	587.9							
G63.0	11.5	384.1	607.7							
G64.0	11.6	390.6	633.3							
G65.0	11.8	397.5	658.8							
G66.0	11.9	405.1	686.0							
G67.0	11.9	411.9	719.8							
G68.0	12.1	418.6	751.0							
G69.0	12.2	426.3	788.4							
G70.0	12.2	432.7	823.6							
G71.0	12.3	439.6	856.2							
G72.0	12.3	446.9	891.0							
G73.0	12.4	452.8	918.2							

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 (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	12.4	457.0	947.0							
G75.0	12.5	461.4	978.6							
G76.0	12.6	465.9	1009.7							
G77.0	12.7	470.9	1040.3							
G78.0	12.8	475.4	1052.6							
G79.0	12.9	479.6	1064.1							
G80.0	12.8	483.3	1081.7							
G81.0	12.9	486.8	1092.6							
G82.0	12.9	490.1	1112.3							
G83.0	13.0	492.1	1135.9							
G84.0	13.2	493.8	1153.3							
G85.0	13.2	495.6	1162.7							
G86.0	13.2	496.9	1162.2							
G87.0	13.1	497.4	1163.1							
G88.0	13.1	496.8	1167.8							
G89.0	13.2	496.4	1173.3							
G90.0	13.2	496.0	1177.6							
G91.0	13.1	495.4	1171.6							
G92.0	13.0	494.3	1158.9							
G93.0	13.0	491.9	1140.0							
G94.0	13.1	489.6	1118.4							
G95.0	13.1	487.5	1092.7							
G96.0	13.1	484.4	1068.2							
G97.0	13.0	481.5	1045.6							
G98.0	12.9	477.6	1000.5							
G99.0	12.9	473.5	894.7							
G100.0	12.9	469.1	828.2							
G101.0	12.8	463.6	657.6							
G102.0	12.7	458.2	452.4							
G103.0	12.6	452.2	293.6							
G104.0	12.5	446.4	262.6							
G105.0	12.4	440.6	221.3							
G106.0	12.4	433.6	190.4							
G107.0	12.2	427.1	167.9							
G108.0	12.1	421.7	150.4							
G109.0	11.9	416.0	129.0							
G110.0	11.8	410.3	107.7							

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	11.7	405.0	88.3							
G112.0	11.5	399.1	71.0							
G113.0	11.2	392.6	57.3							
G114.0	11.0	385.1	44.6							
G115.0	10.9	377.7	36.6							
G116.0	10.7	371.3	30.0							
G117.0	10.5	364.9	24.3							
G118.0	10.3	359.1	20.2							
G119.0	10.1	352.7	17.2							
G120.0	9.9	347.2	14.3							
G121.0	9.6	341.9	12.5							
G122.0	9.4	336.3	10.8							
G123.0	9.2	329.3	9.7							
G124.0	8.8	321.5	8.9							
G125.0	8.5	312.3	8.1							
G126.0	8.5	288.1	7.6							
G127.0	8.3	256.2	7.1							
G128.0	8.2	227.7	6.7							
G129.0	7.8	205.3	6.2							
G130.0	7.4	181.4	5.8							
G131.0	7.1	160.7	5.4							
G132.0	6.9	140.1	5.1							
G133.0	6.7	116.2	4.9							
G134.0	6.5	92.6	4.5							
G135.0	6.2	62.8	4.1							
G136.0	5.9	37.0	3.9							
G137.0	5.7	27.4	3.7							
G138.0	5.5	21.4	3.4							
G139.0	5.1	16.4	3.3							
G140.0	4.7	15.3	3.0							
G141.0	4.5	14.4	2.9							
G142.0	4.3	13.6	2.7							
G143.0	4.1	12.7	2.5							
G144.0	3.9	11.8	2.3							
G145.0	3.7	11.3	2.0							
G146.0	3.4	10.6	1.9							
G147.0	2.9	10.1	1.8							

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	2.8	9.5	1.6							
G149.0	2.6	8.6	1.3							
G150.0	2.3	7.8	1.2							
G151.0	2.1	6.9	1.0							
G152.0	1.8	6.3	0.8							
G153.0	1.5	5.6	0.7							
G154.0	1.1	4.9	0.4							
G155.0	0.8	4.2	0.3							
G156.0	0.6	3.7	0.2							
G157.0	0.4	3.0	0.0							
G158.0	0.3	2.4	0.0							
G159.0	0.0	2.0	0.0							
G160.0	0.0	1.6	0.0							
G161.0	0.0	1.2	0.0							
G162.0	0.0	0.8	0.0							
G163.0	0.0	0.3	0.0							
G164.0	0.0	0.2	0.0							
G165.0	0.0	0.0	0.0							
G166.0	0.0	0.0	0.0							
G167.0	0.0	0.0	0.0							
G168.0	0.0	0.0	0.0							
G169.0	0.0	0.0	0.0							
G170.0	0.0	0.0	0.0							
G171.0	0.0	0.0	0.0							
G172.0	0.0	0.0	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: