HAVIT COMMERCIAL
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Report No.: 001 Test Time: 2019-04-29 16:26

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212240,HCP-213240(4000K)
Lamp Catalog: COB Luminous Length (mm): -110
Luminous Width (mm): -110 Luminous Height (mm): 0
Voltage: 230V Current: 0.105A
Power: 23.36W Power Factor: 0.965

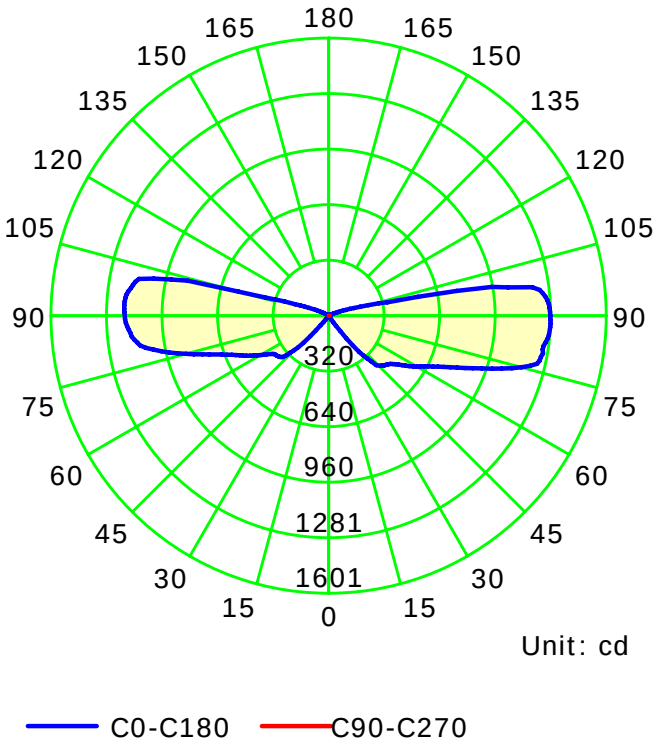
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 2184.5 lm
Measurement Flux: 2184.5 lm Efficiency: 100%
Downward Ratio: 57% Upward Ratio: 43%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 219.8, 360.0, 271.5, 272.2
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 206.1, 360.0, 258.2, 258.7
Luminaire Efficacy Rating (LER): 93.56 Central Intensity: 0 cd
Max. Intensity: 1281.2 cd Pos of Max. Intensity: H0 V88
S/MH(C0/C180): -801.06 S/MH(C90/C270): -1.#J

Picture Of Luminaire



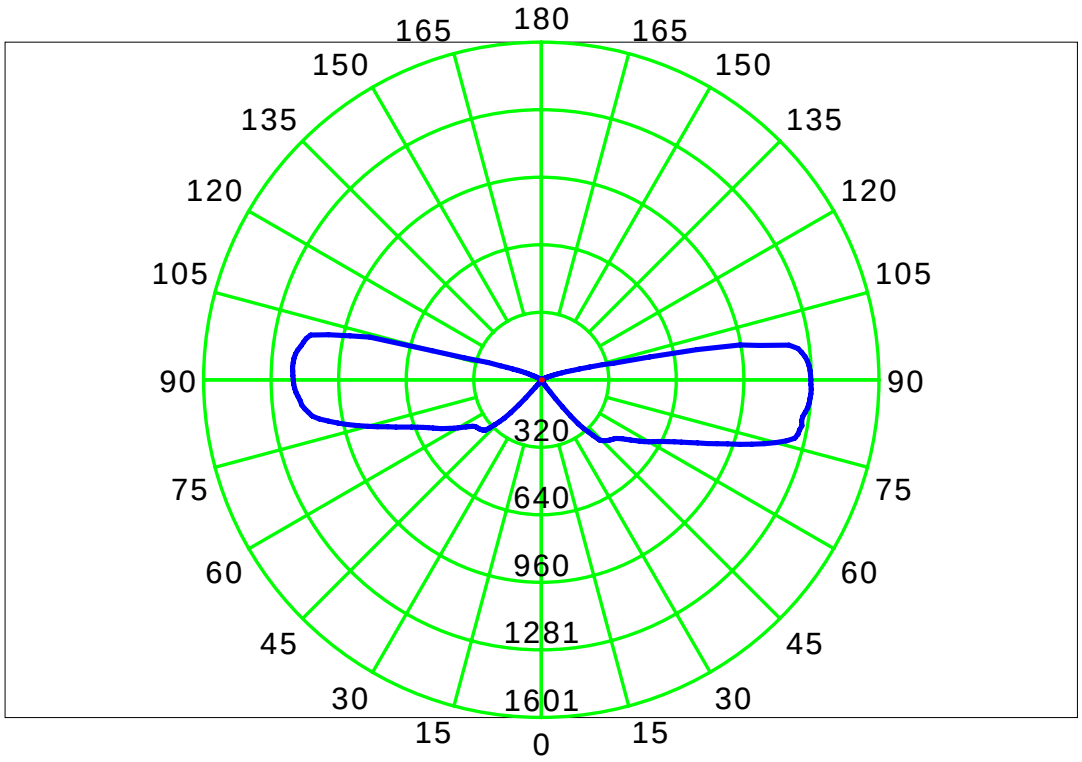
Luminous Intensity Distribution Curve

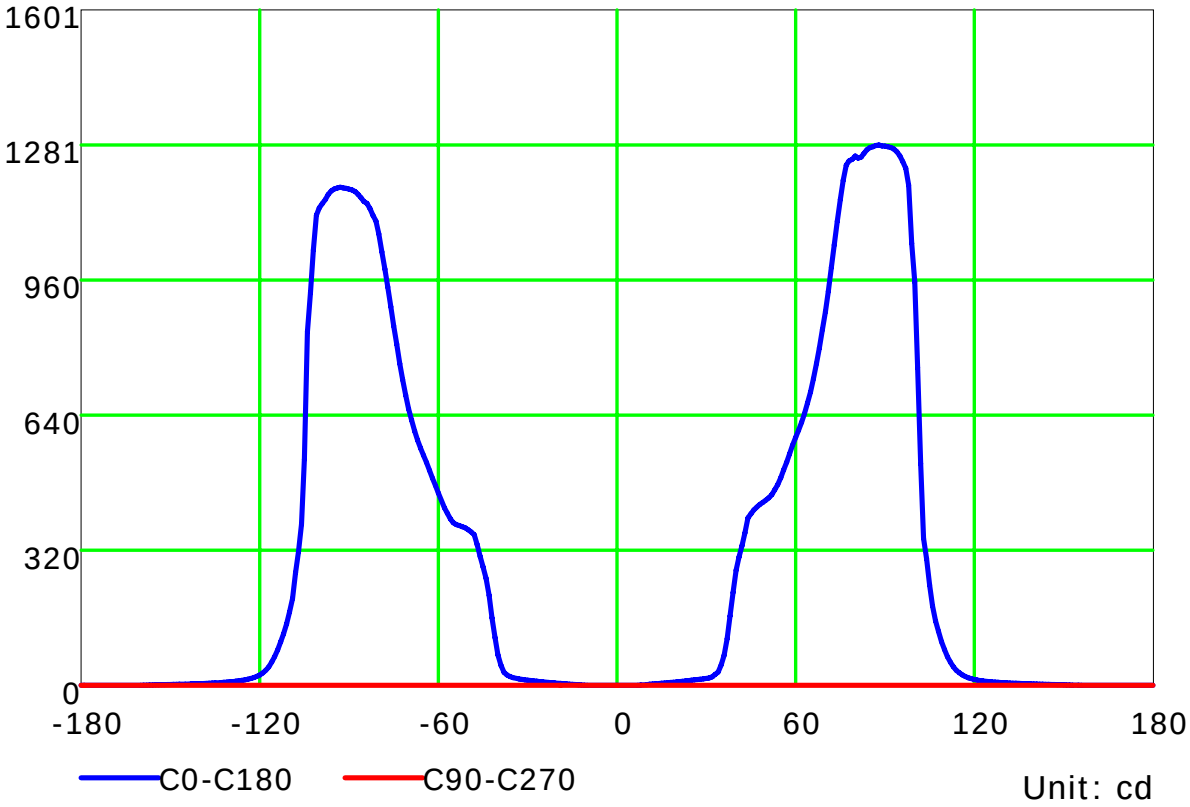


C Plane (°):0.0-360.0: 30.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 6.583 m
Temperature: 25°C Humidity:
Operator: DING LI Inspector:

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Luminous Intensity Distribution Curve



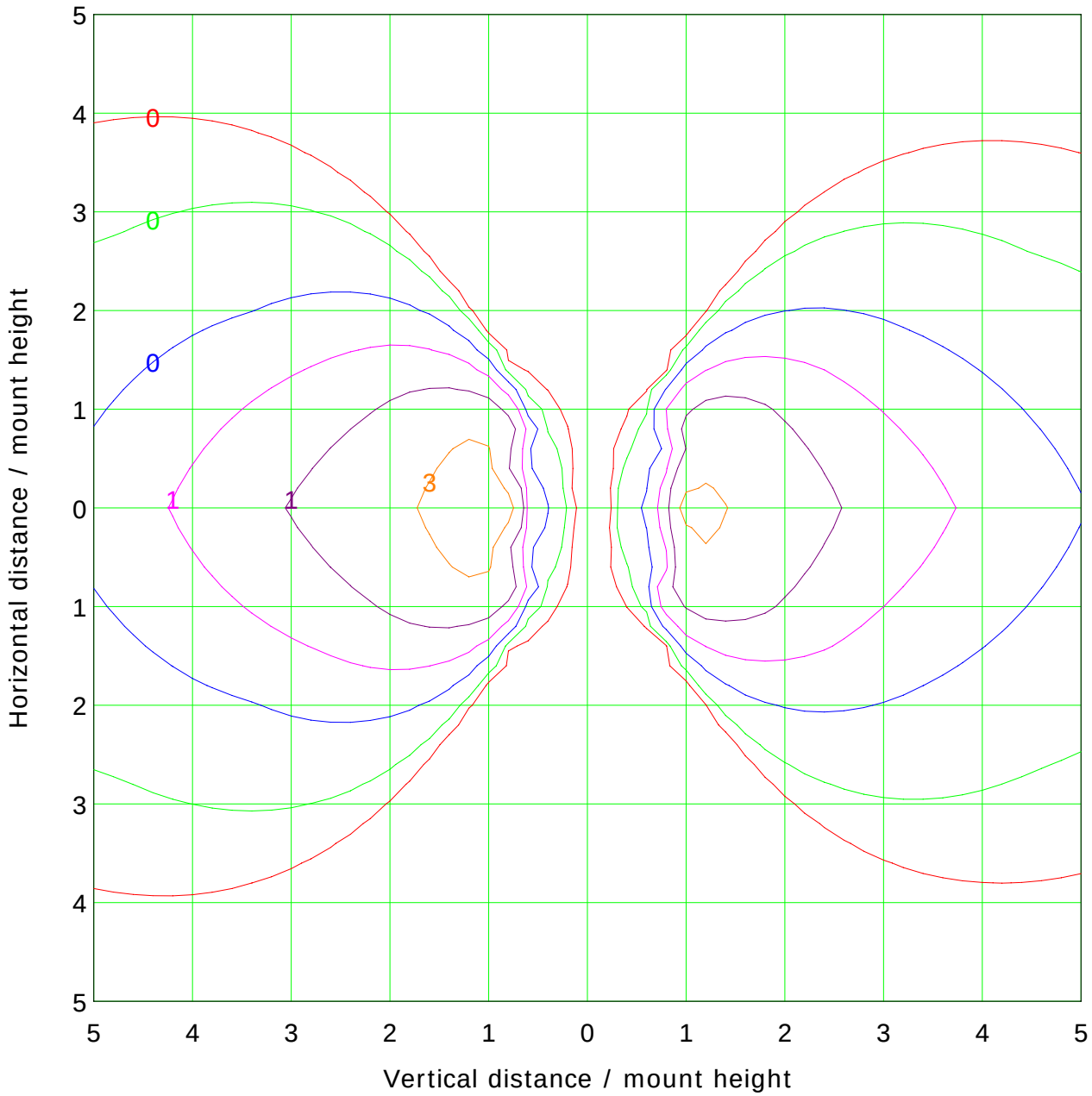


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

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%): 5.9 lx

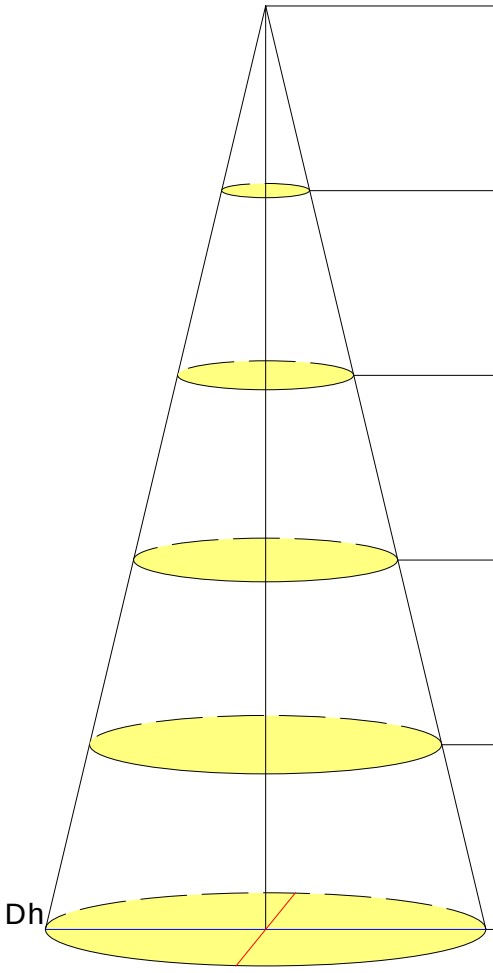
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.6 lx
(20%): 1.2 lx	(50%): 3.0 lx
(100%): 5.9 lx	

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): H206.1 V360.0 Field Angle(F): H219.8 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
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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	28.1	29.3	28.9	30.1	31.3	9.8	10.9	10.6	11.8	12.9
3H	33.4	34.5	34.2	35.4	36.5	9.6	10.7	10.5	11.6	12.8
4H	36.8	37.8	37.6	38.7	39.9	9.6	10.6	10.4	11.5	12.7
6H	40.1	41.1	41.0	42.0	43.2	9.5	10.5	10.4	11.4	12.6
8H	41.8	42.7	42.6	43.6	44.8	9.5	10.5	10.4	11.4	12.6
12H	43.5	44.4	44.4	45.3	46.6	9.5	10.4	10.4	11.3	12.5
X=4H Y=2H	28.2	29.2	29.1	30.2	31.3	20.8	21.9	21.7	22.8	23.9
3H	33.8	34.7	34.7	35.6	36.8	21.0	21.9	21.9	22.9	24.1
4H	37.3	38.1	38.2	39.1	40.3	20.9	21.7	21.8	22.7	23.9
6H	40.9	41.7	41.9	42.7	43.9	20.8	21.5	21.7	22.5	23.7
8H	42.7	43.4	43.7	44.4	45.7	20.7	21.4	21.6	22.4	23.6
12H	44.7	45.4	45.6	46.3	47.6	20.7	21.3	21.6	22.3	23.5
X=8H Y=4H	37.3	38.0	38.2	39.0	40.2	27.5	28.2	28.4	29.2	30.4
6H	41.2	41.8	42.1	42.7	44.0	27.6	28.2	28.6	29.2	30.5
8H	43.2	43.7	44.1	44.7	46.0	27.6	28.1	28.6	29.1	30.4
12H	45.4	45.9	46.4	46.9	48.2	27.5	28.0	28.5	29.0	30.3
X=12H Y=4H	37.2	37.9	38.2	38.9	40.1	29.8	30.5	30.7	31.4	32.7
6H	41.1	41.7	42.1	42.7	44.0	30.6	31.1	31.5	32.1	33.4
8H	43.2	43.7	44.2	44.7	46.0	30.7	31.2	31.7	32.2	33.5
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/-0.4				
S=2.0H	+1.2/-1.6					+0.7/-0.6				

Calculate in accordance with CIE Pub.117. The table is revised with 2184lm (8log(F/F0) = 2.7).

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

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	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G8.0	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G9.0	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G10.0	1.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G11.0	2.7	1.7	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0
G12.0	3.1	2.3	0.0	0.0	0.0	0.6	0.9	0.2	0.0	0.0
G13.0	3.5	2.9	0.1	0.0	0.0	1.0	1.3	0.7	0.0	0.0
G14.0	4.3	3.2	0.2	0.0	0.0	1.4	2.0	1.1	0.0	0.0
G15.0	4.9	3.6	0.5	0.0	0.0	1.9	2.5	1.5	0.0	0.0
G16.0	5.4	4.2	0.9	0.0	0.0	2.4	2.9	2.0	0.0	0.0
G17.0	6.2	4.8	1.1	0.0	0.0	2.7	3.5	2.6	0.0	0.0
G18.0	6.8	5.2	1.2	0.0	0.0	3.2	4.2	2.9	0.0	0.0
G19.0	7.4	5.6	1.4	0.0	0.0	3.8	4.7	3.3	0.0	0.0
G20.0	8.2	6.3	1.6	0.0	0.3	4.2	5.1	3.8	0.0	0.0
G21.0	8.9	6.8	1.9	0.0	0.6	4.6	5.8	4.3	0.1	0.0
G22.0	9.6	7.4	2.4	0.0	0.8	5.0	6.4	4.6	0.4	0.0
G23.0	10.5	8.0	2.7	0.0	0.9	5.5	6.9	5.2	0.6	0.0
G24.0	11.3	8.7	2.8	0.0	1.2	6.1	7.8	5.7	0.8	0.0
G25.0	12.2	9.1	3.0	0.0	1.4	6.5	8.4	6.2	1.0	0.0
G26.0	12.9	9.7	3.2	0.0	1.5	7.1	8.9	6.6	1.2	0.0
G27.0	13.7	10.4	3.4	0.0	2.0	7.8	9.9	7.2	1.4	0.0
G28.0	14.5	11.1	3.6	0.0	2.3	8.3	10.6	7.7	1.6	0.0
G29.0	15.3	11.7	4.0	0.0	2.5	8.7	11.4	8.2	2.0	0.0
G30.0	16.5	12.5	4.3	0.0	2.6	9.4	12.2	8.7	2.3	0.0
G31.0	17.6	13.2	4.5	0.0	2.8	10.1	13.1	9.4	2.5	0.0
G32.0	20.1	13.8	4.7	0.0	3.1	10.7	14.2	10.2	2.6	0.0
G33.0	25.9	14.5	4.9	0.0	3.3	11.4	15.4	10.7	2.8	0.0
G34.0	31.6	15.0	5.1	0.0	3.5	12.0	17.0	11.4	3.0	0.0
G35.0	48.8	15.9	5.3	0.0	3.9	12.6	18.3	12.2	3.2	0.0
G36.0	71.2	16.8	5.6	0.0	4.2	13.2	21.1	12.8	3.6	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	110.8	18.0	6.0	0.0	4.3	14.1	25.0	13.5	3.8	0.0
G38.0	164.7	20.0	6.4	0.0	4.5	15.1	30.9	14.3	4.0	0.0
G39.0	220.3	24.1	6.6	0.0	4.7	16.1	47.6	15.4	4.1	0.0
G40.0	273.0	28.5	6.8	0.0	4.9	17.2	72.2	16.7	4.4	0.0
G41.0	304.0	34.9	6.9	0.0	5.1	19.0	113.3	17.8	4.6	0.0
G42.0	331.5	49.4	7.1	0.0	5.4	22.4	159.9	18.7	4.7	0.0
G43.0	361.5	68.6	7.2	0.0	5.7	25.7	213.5	21.9	5.0	0.0
G44.0	397.1	93.9	7.6	0.0	6.0	31.5	253.6	24.8	5.3	0.0
G45.0	407.2	130.5	7.8	0.0	6.2	46.9	281.1	28.5	5.5	0.0
G46.0	416.1	174.6	8.0	0.0	6.4	61.8	305.8	37.1	5.7	0.0
G47.0	422.9	213.9	8.2	0.0	6.5	88.4	334.3	51.8	5.9	0.0
G48.0	429.1	256.6	8.4	0.0	6.7	126.3	357.2	70.9	6.1	0.0
G49.0	433.9	285.6	8.6	0.0	7.0	165.2	363.9	98.8	6.3	0.0
G50.0	439.3	304.4	8.7	0.0	7.3	202.6	369.1	131.3	6.4	0.0
G51.0	444.7	326.0	9.0	0.0	7.6	238.6	373.6	170.5	6.7	0.0
G52.0	452.2	346.7	9.2	0.0	7.8	262.4	376.5	204.2	7.0	0.0
G53.0	463.7	365.7	9.6	0.0	8.0	278.8	378.9	238.6	7.1	0.0
G54.0	476.0	393.3	9.9	0.0	8.2	297.7	381.3	261.6	7.4	0.0
G55.0	492.3	402.4	10.1	0.0	8.4	313.8	385.6	277.9	7.6	0.0
G56.0	511.1	408.7	10.4	0.0	8.6	338.6	394.7	296.2	7.8	0.0
G57.0	529.1	413.2	10.6	0.0	9.0	353.7	408.0	313.0	8.0	0.0
G58.0	548.8	417.0	10.9	0.0	9.3	359.0	421.1	335.5	8.1	0.0
G59.0	569.7	420.5	11.0	0.0	9.5	364.6	438.6	351.0	8.3	0.0
G60.0	588.0	423.4	11.2	0.0	9.8	368.4	456.0	355.9	8.6	0.0
G61.0	604.7	426.0	11.6	0.0	10.1	371.4	473.8	360.7	8.9	0.0
G62.0	623.8	428.4	11.9	0.0	10.3	374.4	491.4	364.4	9.2	0.0
G63.0	644.1	429.9	12.2	0.0	10.4	376.9	509.5	367.2	9.4	0.0
G64.0	669.7	432.0	12.4	0.0	10.6	379.1	528.3	369.6	9.7	0.0
G65.0	695.8	433.7	12.6	0.0	10.8	381.5	545.5	371.5	9.9	0.0
G66.0	727.0	436.5	12.7	0.0	10.9	383.8	562.1	372.7	10.1	0.0
G67.0	763.0	440.7	12.9	0.0	11.1	386.6	581.8	374.3	10.2	0.0
G68.0	799.8	444.6	13.1	0.0	11.4	389.6	602.8	376.3	10.5	0.0
G69.0	843.6	450.7	13.2	0.0	11.6	393.4	628.7	379.2	10.7	0.0
G70.0	885.8	457.1	13.4	0.0	11.7	397.8	655.5	382.6	10.9	0.0
G71.0	934.1	461.6	13.5	0.0	11.8	405.0	688.0	386.9	11.1	0.0
G72.0	991.2	467.3	13.4	0.0	12.1	411.3	724.7	392.0	11.2	0.0
G73.0	1044.2	474.3	13.5	0.0	12.2	417.3	762.4	396.2	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 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	1100.4	480.8	13.7	0.0	12.3	425.0	809.0	402.1	11.7	0.0
G75.0	1151.9	486.2	13.8	0.0	12.4	431.5	852.1	408.5	11.9	0.0
G76.0	1197.6	491.2	13.8	0.0	12.5	438.0	897.7	413.4	12.0	0.0
G77.0	1233.6	496.7	13.8	0.0	12.6	446.2	944.3	419.3	12.1	0.0
G78.0	1243.9	502.2	13.8	0.0	12.6	453.0	987.0	425.5	12.2	0.0
G79.0	1247.3	506.8	13.9	0.0	12.6	458.6	1028.0	431.8	12.3	0.0
G80.0	1255.4	510.6	13.9	0.0	12.7	464.8	1070.2	436.6	12.4	0.0
G81.0	1250.1	513.3	13.9	0.0	12.8	470.5	1101.1	441.4	12.5	0.0
G82.0	1252.4	515.9	14.0	0.0	12.9	475.5	1114.8	447.5	12.6	0.0
G83.0	1261.7	519.1	14.1	0.0	13.0	480.0	1130.3	453.0	12.7	0.0
G84.0	1270.4	520.8	14.2	0.0	13.1	483.8	1142.9	457.4	12.8	0.0
G85.0	1275.4	522.8	14.3	0.0	13.2	487.2	1147.4	461.1	12.9	0.0
G86.0	1277.2	524.1	14.3	0.0	13.2	489.8	1156.1	464.0	12.9	0.0
G87.0	1280.1	525.0	14.4	0.0	13.2	492.5	1164.6	467.2	12.9	0.0
G88.0	1281.2	525.4	14.4	0.0	13.4	494.6	1170.9	470.0	13.0	0.0
G89.0	1279.0	525.6	14.4	0.0	13.6	495.9	1174.9	472.1	12.9	0.0
G90.0	1278.7	524.7	14.4	0.0	13.5	497.1	1176.7	474.3	12.9	0.0
G91.0	1277.1	522.8	14.4	0.0	13.6	497.7	1178.5	475.4	12.9	0.0
G92.0	1275.4	520.8	14.3	0.0	13.6	497.4	1179.5	476.3	12.8	0.0
G93.0	1272.0	518.2	14.2	0.0	13.6	496.8	1181.3	477.0	12.9	0.0
G94.0	1265.6	516.0	14.2	0.0	13.5	495.5	1179.5	477.0	12.8	0.0
G95.0	1255.7	513.3	14.1	0.0	13.6	494.0	1177.2	476.3	12.7	0.0
G96.0	1242.0	508.8	14.1	0.0	13.5	491.9	1172.4	474.8	12.7	0.0
G97.0	1225.9	504.4	14.0	0.0	13.5	489.3	1164.1	472.8	12.8	0.0
G98.0	1185.9	498.8	13.8	0.0	13.4	486.4	1151.8	470.2	12.8	0.0
G99.0	1047.9	493.2	13.6	0.0	13.3	483.2	1142.4	468.0	12.8	0.0
G100.0	956.9	488.6	13.5	0.0	13.3	480.1	1132.2	464.7	12.7	0.0
G101.0	753.1	483.3	13.5	0.0	13.2	475.8	1114.7	461.1	12.7	0.0
G102.0	525.3	476.5	13.2	0.0	13.0	471.6	1032.1	456.9	12.7	0.0
G103.0	348.5	469.1	13.0	0.0	12.9	467.0	931.0	452.4	12.8	0.0
G104.0	300.1	462.8	12.8	0.0	12.7	462.1	838.7	446.1	12.7	0.0
G105.0	237.3	457.4	12.6	0.0	12.6	456.6	536.1	440.6	12.7	0.0
G106.0	188.4	449.9	12.5	0.0	12.5	450.9	381.8	435.2	12.6	0.0
G107.0	152.6	442.0	12.3	0.0	12.3	445.1	316.4	429.8	12.6	0.0
G108.0	128.6	436.0	12.1	0.0	12.1	440.3	267.8	424.5	12.5	0.0
G109.0	103.8	429.7	11.9	0.0	11.9	432.8	206.0	419.4	12.3	0.0
G110.0	84.8	423.5	11.7	0.0	11.9	426.3	173.7	414.8	12.2	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 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	68.2	418.7	11.4	0.0	11.8	421.8	145.9	409.3	12.1	0.0
G112.0	55.0	414.7	11.2	0.0	11.6	417.2	122.5	404.7	12.0	0.0
G113.0	44.3	411.2	11.0	0.0	11.5	412.9	103.5	402.1	11.8	0.0
G114.0	35.7	408.6	10.8	0.0	11.3	410.5	84.1	398.5	11.6	0.0
G115.0	29.8	406.6	10.6	0.0	11.1	407.1	68.3	396.2	11.4	0.0
G116.0	25.0	404.7	10.4	0.0	11.0	404.4	55.4	394.5	11.3	0.0
G117.0	20.9	404.1	10.2	0.0	10.9	401.8	43.6	392.6	11.0	0.0
G118.0	18.2	402.8	10.1	0.0	10.7	399.1	35.7	391.7	10.9	0.0
G119.0	16.0	400.0	9.8	0.0	10.4	396.6	29.2	390.3	10.7	0.0
G120.0	14.0	397.0	9.4	0.0	10.2	392.9	24.6	388.6	10.5	0.0
G121.0	12.6	393.7	9.0	0.0	10.2	389.2	21.3	387.1	10.3	0.0
G122.0	11.3	381.5	8.7	0.0	9.9	384.0	18.5	383.4	10.1	0.0
G123.0	10.3	356.5	8.5	0.0	9.7	377.7	16.5	379.7	10.0	0.0
G124.0	9.6	337.7	8.2	0.0	9.6	372.5	14.7	375.5	9.7	0.0
G125.0	9.0	313.0	8.0	0.0	9.3	365.7	13.2	369.5	9.4	0.0
G126.0	8.3	294.3	7.9	0.0	9.0	355.2	11.8	361.5	9.1	0.0
G127.0	7.8	274.9	7.6	0.0	8.8	329.6	10.7	335.4	8.8	0.0
G128.0	7.3	239.8	7.4	0.0	8.5	311.2	9.9	315.9	8.5	0.0
G129.0	6.8	198.9	7.0	0.0	8.2	290.9	9.1	295.3	8.3	0.0
G130.0	6.4	152.5	6.7	0.0	8.1	271.2	8.4	278.1	8.1	0.0
G131.0	6.0	113.7	6.5	0.0	7.8	251.3	7.8	259.8	7.8	0.0
G132.0	5.7	80.6	6.3	0.0	7.6	220.8	7.3	231.6	7.6	0.0
G133.0	5.3	62.2	6.1	0.0	7.3	180.0	6.7	192.9	7.4	0.0
G134.0	4.9	42.1	5.8	0.0	7.1	141.3	6.2	154.4	7.2	0.0
G135.0	4.6	30.5	5.7	0.0	6.8	106.0	5.8	115.4	6.8	0.0
G136.0	4.3	25.3	5.3	0.0	6.5	71.2	5.4	82.2	6.5	0.0
G137.0	4.0	20.8	5.0	0.0	6.1	53.2	5.1	60.4	6.3	0.0
G138.0	3.8	17.4	4.7	0.0	5.8	35.7	4.7	44.9	6.1	0.0
G139.0	3.6	16.5	4.5	0.0	5.6	26.9	4.3	30.7	5.9	0.0
G140.0	3.4	15.5	4.3	0.0	5.4	22.3	4.1	24.6	5.7	0.0
G141.0	3.1	14.1	4.2	0.0	5.2	17.8	3.8	20.3	5.4	0.0
G142.0	2.9	13.2	3.9	0.0	4.9	15.7	3.6	16.6	5.1	0.0
G143.0	2.8	12.6	3.7	0.0	4.6	14.7	3.4	15.4	4.8	0.0
G144.0	2.5	11.9	3.5	0.0	4.3	13.6	3.2	14.4	4.5	0.0
G145.0	2.3	11.3	3.0	0.0	4.1	12.4	3.0	13.3	4.3	0.0
G146.0	2.1	10.5	2.8	0.0	3.9	11.6	2.8	12.3	4.1	0.0
G147.0	1.9	9.6	2.6	0.0	3.6	10.5	2.7	11.6	3.9	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	1.7	9.0	2.4	0.0	3.3	9.6	2.5	11.0	3.7	0.0
G149.0	1.6	8.1	2.3	0.0	3.1	8.3	2.3	10.4	3.5	0.0
G150.0	1.3	7.4	2.1	0.0	2.6	7.3	2.1	9.8	3.2	0.0
G151.0	1.1	6.8	1.8	0.0	2.0	6.1	2.0	9.1	2.9	0.0
G152.0	1.0	6.1	1.3	0.0	1.8	5.1	1.8	8.4	2.6	0.0
G153.0	0.8	5.2	1.1	0.0	1.6	4.3	1.5	7.7	2.5	0.0
G154.0	0.6	4.6	0.9	0.0	1.2	3.4	1.4	6.8	2.1	0.0
G155.0	0.4	4.1	0.6	0.0	1.0	2.7	1.2	6.1	2.0	0.0
G156.0	0.3	3.3	0.4	0.0	0.8	2.0	1.0	5.4	1.8	0.0
G157.0	0.1	2.8	0.1	0.0	0.5	1.1	0.9	4.6	1.5	0.0
G158.0	0.0	2.3	0.0	0.0	0.1	0.9	0.6	4.0	1.1	0.0
G159.0	0.0	1.8	0.0	0.0	0.0	0.1	0.5	3.4	0.8	0.0
G160.0	0.0	1.3	0.0	0.0	0.0	0.0	0.2	2.8	0.5	0.0
G161.0	0.0	0.8	0.0	0.0	0.0	0.0	0.1	2.2	0.4	0.0
G162.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.6	0.2	0.0
G163.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.4	0.1	0.0
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.3							
G8.0	0.0	0.1	0.9							
G9.0	0.0	0.5	1.4							
G10.0	0.0	1.0	1.8							
G11.0	0.0	1.3	2.7							
G12.0	0.0	1.8	3.1							
G13.0	0.1	2.3	3.5							
G14.0	0.2	2.9	4.3							
G15.0	0.3	3.3	4.9							
G16.0	0.8	3.7	5.4							
G17.0	1.1	4.5	6.2							
G18.0	1.2	4.9	6.8							
G19.0	1.5	5.4	7.4							
G20.0	1.7	5.8	8.2							
G21.0	1.9	6.6	8.9							
G22.0	2.3	7.1	9.6							
G23.0	2.7	7.6	10.5							
G24.0	3.0	8.2	11.3							
G25.0	3.2	8.8	12.2							
G26.0	3.3	9.4	12.9							
G27.0	3.5	10.1	13.7							
G28.0	3.8	10.8	14.5							
G29.0	4.2	11.3	15.3							
G30.0	4.6	12.1	16.5							
G31.0	4.8	12.8	17.6							
G32.0	5.1	13.6	20.1							
G33.0	5.3	14.1	25.9							
G34.0	5.5	14.7	31.6							
G35.0	5.8	15.4	48.8							
G36.0	6.1	16.3	71.2							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	6.4	17.3	110.8							
G38.0	6.8	18.3	164.7							
G39.0	7.0	21.9	220.3							
G40.0	7.3	27.0	273.0							
G41.0	7.5	31.8	304.0							
G42.0	7.6	44.0	331.5							
G43.0	7.8	65.1	361.5							
G44.0	8.2	82.5	397.1							
G45.0	8.4	118.3	407.2							
G46.0	8.8	157.6	416.1							
G47.0	9.1	200.5	422.9							
G48.0	9.3	244.4	429.1							
G49.0	9.3	277.6	433.9							
G50.0	9.5	297.9	439.3							
G51.0	9.7	317.3	444.7							
G52.0	10.0	339.9	452.2							
G53.0	10.3	363.3	463.7							
G54.0	10.5	390.5	476.0							
G55.0	10.8	399.2	492.3							
G56.0	11.1	406.1	511.1							
G57.0	11.2	411.6	529.1							
G58.0	11.5	415.8	548.8							
G59.0	11.8	419.5	569.7							
G60.0	12.0	423.0	588.0							
G61.0	12.2	425.6	604.7							
G62.0	12.4	428.2	623.8							
G63.0	12.7	430.7	644.1							
G64.0	12.9	432.6	669.7							
G65.0	13.0	436.3	695.8							
G66.0	13.1	440.0	727.0							
G67.0	13.1	444.0	763.0							
G68.0	13.2	450.6	799.8							
G69.0	13.3	456.1	843.6							
G70.0	13.6	461.3	885.8							
G71.0	13.6	468.4	934.1							
G72.0	13.6	476.5	991.2							
G73.0	13.6	482.8	1044.2							

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	13.6	489.3	1100.4							
G75.0	13.7	495.9	1151.9							
G76.0	13.8	502.3	1197.6							
G77.0	13.9	507.9	1233.6							
G78.0	14.0	512.7	1243.9							
G79.0	14.2	517.4	1247.3							
G80.0	14.2	522.1	1255.4							
G81.0	14.3	526.4	1250.1							
G82.0	14.4	529.9	1252.4							
G83.0	14.4	532.5	1261.7							
G84.0	14.5	534.9	1270.4							
G85.0	14.6	537.2	1275.4							
G86.0	14.6	538.7	1277.2							
G87.0	14.6	539.8	1280.1							
G88.0	14.6	539.7	1281.2							
G89.0	14.7	539.2	1279.0							
G90.0	14.7	538.9	1278.7							
G91.0	14.7	538.5	1277.1							
G92.0	14.6	536.9	1275.4							
G93.0	14.5	533.8	1272.0							
G94.0	14.5	531.5	1265.6							
G95.0	14.5	529.0	1255.7							
G96.0	14.4	525.1	1242.0							
G97.0	14.3	521.7	1225.9							
G98.0	14.3	517.3	1185.9							
G99.0	14.2	513.4	1047.9							
G100.0	14.2	508.8	956.9							
G101.0	14.2	502.9	753.1							
G102.0	14.0	496.1	525.3							
G103.0	13.9	489.5	348.5							
G104.0	13.7	481.9	300.1							
G105.0	13.7	475.8	237.3							
G106.0	13.6	467.3	188.4							
G107.0	13.4	459.7	152.6							
G108.0	13.2	452.1	128.6							
G109.0	13.0	445.7	103.8							
G110.0	12.8	438.7	84.8							

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:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	12.8	431.4	68.2							
G112.0	12.6	425.1	55.0							
G113.0	12.3	419.1	44.3							
G114.0	12.1	415.1	35.7							
G115.0	11.9	412.3	29.8							
G116.0	11.7	410.6	25.0							
G117.0	11.4	409.0	20.9							
G118.0	11.2	407.1	18.2							
G119.0	11.0	404.3	16.0							
G120.0	10.8	402.1	14.0							
G121.0	10.6	398.8	12.6							
G122.0	10.3	394.8	11.3							
G123.0	10.1	389.6	10.3							
G124.0	9.8	372.8	9.6							
G125.0	9.4	346.5	9.0							
G126.0	9.3	326.4	8.3							
G127.0	9.1	304.8	7.8							
G128.0	8.9	285.0	7.3							
G129.0	8.6	255.0	6.8							
G130.0	8.4	215.9	6.4							
G131.0	8.1	174.5	6.0							
G132.0	7.6	135.8	5.7							
G133.0	7.4	94.1	5.3							
G134.0	7.2	66.2	4.9							
G135.0	6.9	47.4	4.6							
G136.0	6.7	32.5	4.3							
G137.0	6.4	27.0	4.0							
G138.0	6.2	22.8	3.8							
G139.0	5.8	19.1	3.6							
G140.0	5.5	17.9	3.4							
G141.0	5.2	16.4	3.1							
G142.0	5.1	15.1	2.9							
G143.0	4.8	13.8	2.8							
G144.0	4.5	13.0	2.5							
G145.0	4.2	12.3	2.3							
G146.0	3.8	11.5	2.1							
G147.0	3.5	10.8	1.9							

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	3.3	10.1	1.7							
G149.0	3.0	9.3	1.6							
G150.0	2.7	8.6	1.3							
G151.0	2.5	7.7	1.1							
G152.0	2.2	7.0	1.0							
G153.0	1.8	6.3	0.8							
G154.0	1.4	5.3	0.6							
G155.0	1.2	4.6	0.4							
G156.0	0.9	4.1	0.3							
G157.0	0.6	3.5	0.1							
G158.0	0.5	2.8	0.0							
G159.0	0.2	2.4	0.0							
G160.0	0.0	1.9	0.0							
G161.0	0.0	1.5	0.0							
G162.0	0.0	1.0	0.0							
G163.0	0.0	0.6	0.0							
G164.0	0.0	0.4	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: