HAVIT COMMERCIAL
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Report No.: 001 Test Time: 2019-04-29 17:28

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: 0.114A
Power: 25.44W Power Factor: 0.970

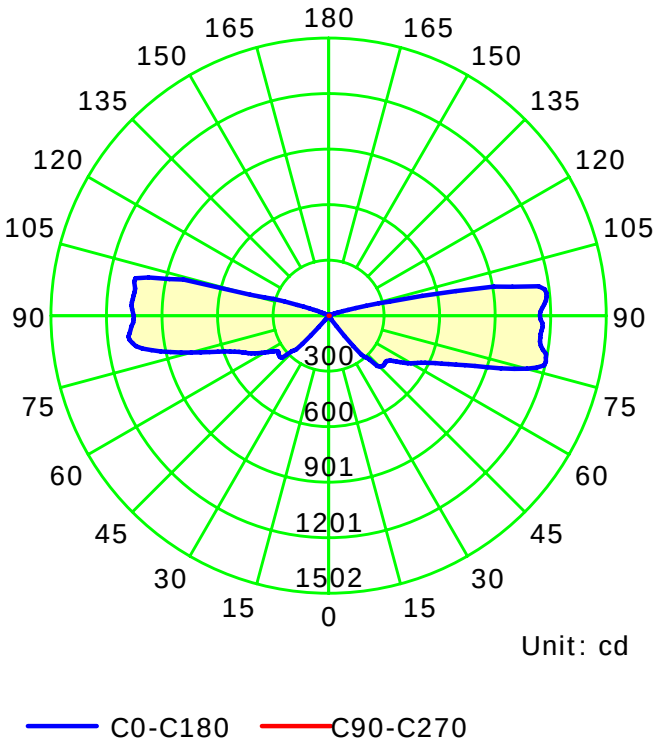
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 1955.4 lm
Measurement Flux: 1955.4 lm Efficiency: 100%
Downward Ratio: 57% Upward Ratio: 43%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 217.4, 360.0, 267.9, 269.1
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 206.1, 360.0, 260.2, 260.7
Luminaire Efficacy Rating (LER): 76.91 Central Intensity: 0 cd
Max. Intensity: 1201.92 cd Pos of Max. Intensity: H0 V78
S/MH(C0/C180): -806.97 S/MH(C90/C270): -1.#J

Picture Of Luminaire



Luminous Intensity Distribution Curve

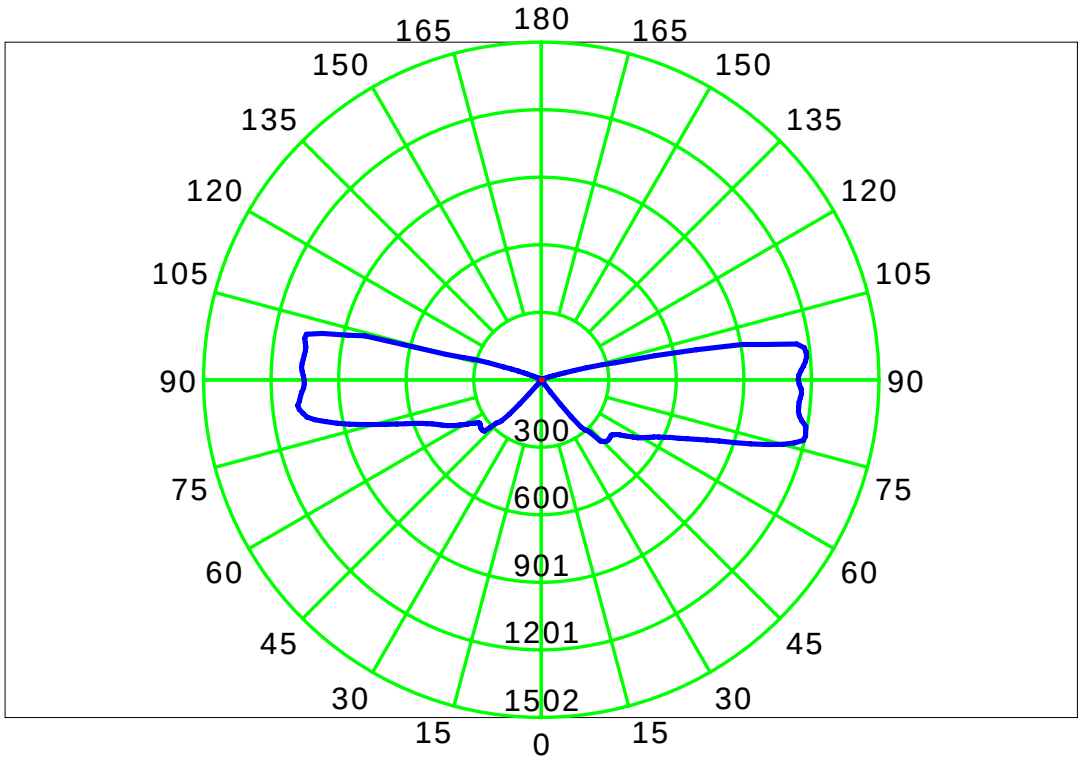


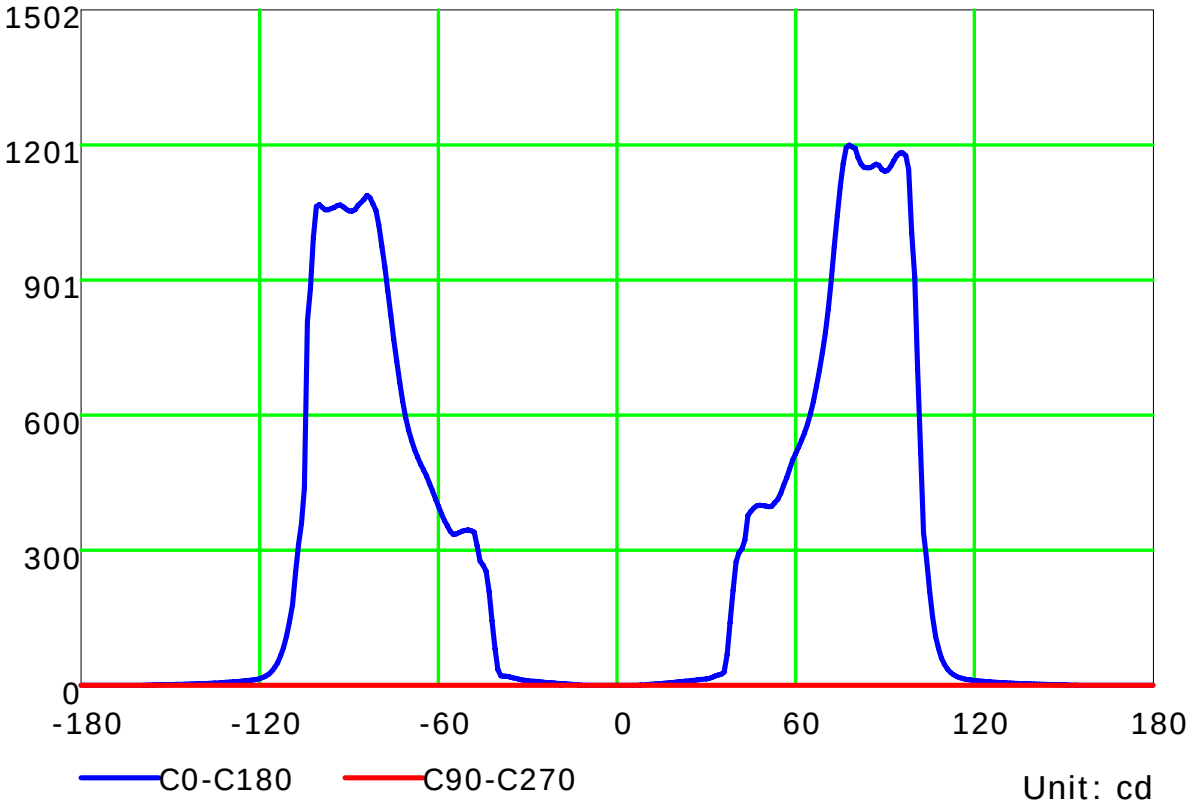
Unit: cd

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



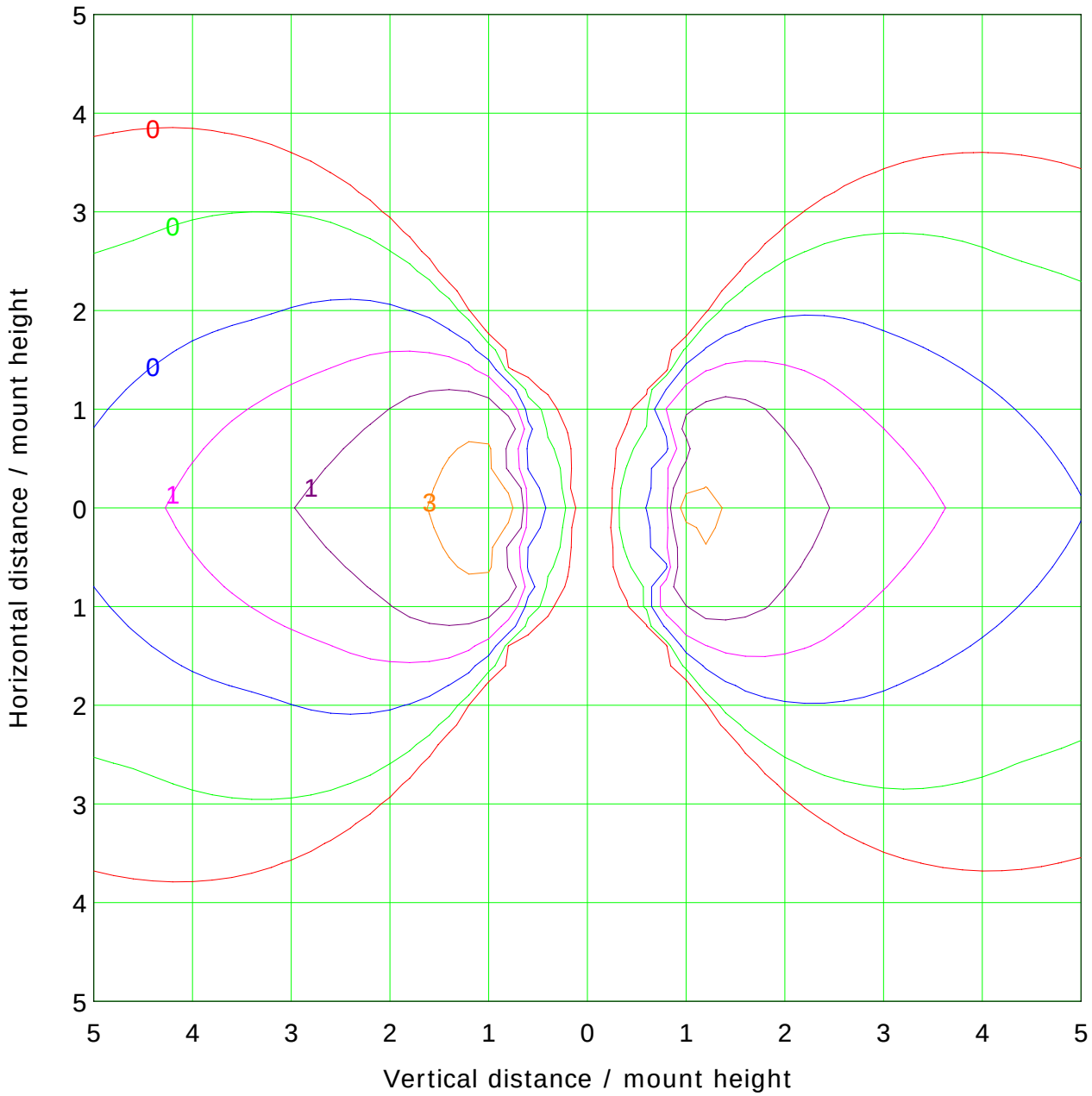


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
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IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 5.6 lx

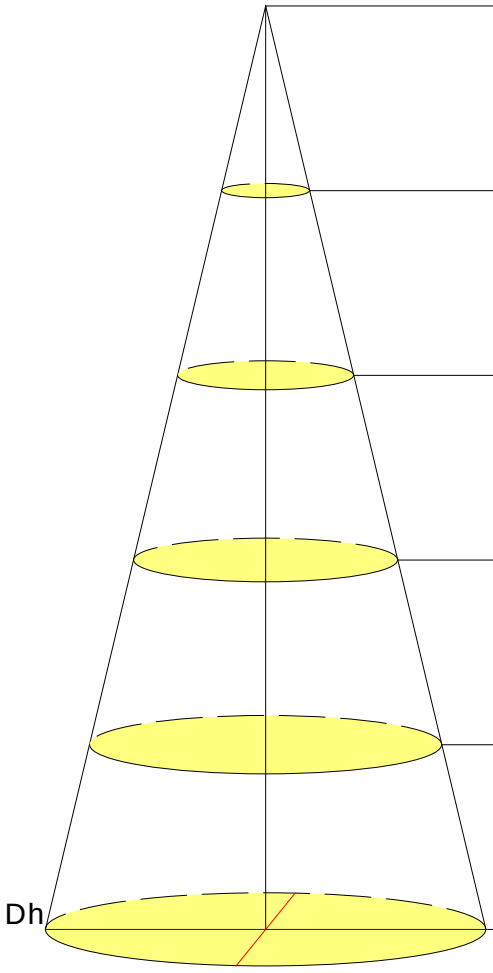
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.6 lx
(20%): 1.1 lx	(50%): 2.8 lx
(100%): 5.6 lx	

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): H217.4 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:
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	27.7	28.9	28.5	29.8	30.9	9.6	10.8	10.5	11.7	12.8
3H	32.9	34.0	33.8	34.9	36.1	9.5	10.6	10.3	11.5	12.6
4H	36.6	37.6	37.4	38.5	39.7	9.4	10.5	10.3	11.4	12.5
6H	40.1	41.1	41.0	42.0	43.2	9.4	10.4	10.3	11.3	12.5
8H	41.7	42.6	42.6	43.5	44.7	9.4	10.3	10.2	11.2	12.4
12H	43.3	44.2	44.2	45.2	46.4	9.3	10.2	10.2	11.2	12.4
X=4H Y=2H	27.8	28.9	28.7	29.8	30.9	20.5	21.5	21.3	22.4	23.6
3H	33.3	34.2	34.2	35.1	36.3	20.6	21.5	21.5	22.5	23.7
4H	37.1	37.9	38.0	38.9	40.1	20.5	21.3	21.4	22.3	23.5
6H	40.9	41.6	41.8	42.6	43.8	20.4	21.1	21.3	22.1	23.3
8H	42.6	43.3	43.5	44.3	45.5	20.3	21.0	21.2	22.0	23.2
12H	44.5	45.1	45.4	46.1	47.4	20.2	20.9	21.2	21.9	23.1
X=8H Y=4H	37.1	37.8	38.0	38.7	40.0	27.0	27.7	27.9	28.6	29.9
6H	41.0	41.6	42.0	42.6	43.9	27.1	27.7	28.1	28.7	30.0
8H	43.0	43.5	43.9	44.5	45.8	27.1	27.6	28.0	28.6	29.9
12H	45.2	45.7	46.2	46.7	48.0	27.0	27.5	28.0	28.5	29.8
X=12H Y=4H	37.0	37.6	37.9	38.6	39.9	29.3	30.0	30.2	30.9	32.2
6H	41.0	41.6	42.0	42.6	43.8	30.1	30.6	31.0	31.6	32.9
8H	43.0	43.5	44.0	44.5	45.8	30.2	30.7	31.2	31.7	33.0
Variations with the observer position at spacings:										
S=1.0H	+0.5/-0.6					+0.3/-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 1955lm (8log(F/F0) = 2.3).

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

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	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G9.0	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G10.0	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G11.0	2.5	1.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
G12.0	2.8	1.8	0.0	0.0	0.0	0.4	0.7	0.0	0.0	0.0
G13.0	3.1	2.3	0.0	0.0	0.0	0.7	1.1	0.2	0.0	0.0
G14.0	3.8	2.6	0.1	0.0	0.0	1.0	1.7	0.6	0.0	0.0
G15.0	4.3	3.0	0.4	0.0	0.0	1.4	2.2	0.9	0.0	0.0
G16.0	4.7	3.6	0.6	0.0	0.0	1.9	2.5	1.4	0.0	0.0
G17.0	5.3	3.9	0.9	0.0	0.0	2.2	3.0	1.9	0.0	0.0
G18.0	5.9	4.3	1.0	0.0	0.0	2.6	3.6	2.1	0.0	0.0
G19.0	6.5	4.7	1.2	0.0	0.0	3.0	4.0	2.5	0.0	0.0
G20.0	7.2	5.3	1.4	0.0	0.1	3.6	4.5	3.0	0.0	0.0
G21.0	8.0	5.8	1.6	0.0	0.3	3.8	5.1	3.5	0.0	0.0
G22.0	8.5	6.2	2.1	0.0	0.5	4.2	5.5	3.9	0.2	0.0
G23.0	9.4	6.7	2.3	0.0	0.8	4.6	5.8	4.2	0.4	0.0
G24.0	10.1	7.3	2.5	0.0	0.9	5.1	6.7	4.7	0.6	0.0
G25.0	10.7	7.9	2.6	0.0	1.1	5.4	7.2	5.1	0.8	0.0
G26.0	11.4	8.3	2.8	0.0	1.3	5.9	7.7	5.4	0.9	0.0
G27.0	12.2	9.0	2.9	0.0	1.6	6.6	8.6	5.8	1.1	0.0
G28.0	13.0	9.6	3.0	0.0	1.9	7.0	9.2	6.3	1.2	0.0
G29.0	13.6	10.1	3.4	0.0	2.1	7.3	9.9	6.8	1.7	0.0
G30.0	14.5	10.8	3.6	0.0	2.3	7.9	10.6	7.2	1.9	0.0
G31.0	15.5	11.4	3.8	0.0	2.4	8.5	11.4	7.8	2.1	0.0
G32.0	18.0	12.1	4.1	0.0	2.6	9.0	12.3	8.6	2.2	0.0
G33.0	20.8	12.7	4.3	0.0	2.7	9.6	13.7	9.1	2.4	0.0
G34.0	23.1	13.3	4.5	0.0	3.0	10.2	15.5	9.7	2.5	0.0
G35.0	24.7	13.7	4.8	0.0	3.4	10.8	17.0	10.3	2.7	0.0
G36.0	29.4	14.5	5.1	0.0	3.5	11.4	18.8	11.0	3.0	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 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	68.6	15.6	5.3	0.0	3.7	12.0	20.1	11.7	3.3	0.0
G38.0	139.0	17.7	5.5	0.0	3.8	13.4	20.4	12.2	3.4	0.0
G39.0	211.3	20.2	5.8	0.0	4.0	14.6	21.3	13.4	3.6	0.0
G40.0	275.0	22.3	6.0	0.0	4.2	15.8	34.6	15.0	3.7	0.0
G41.0	295.2	23.5	6.1	0.0	4.4	17.1	81.4	16.3	3.9	0.0
G42.0	303.7	24.5	6.3	0.0	4.7	18.4	144.0	17.1	4.1	0.0
G43.0	323.6	26.9	6.4	0.0	5.0	19.1	208.8	18.9	4.3	0.0
G44.0	378.1	51.7	6.7	0.0	5.2	19.6	254.2	19.8	4.6	0.0
G45.0	387.6	94.2	6.8	0.0	5.2	20.0	267.4	20.1	4.7	0.0
G46.0	394.8	151.0	7.0	0.0	5.5	23.0	276.2	20.6	4.9	0.0
G47.0	399.5	201.6	7.1	0.0	5.6	50.3	310.7	21.3	5.1	0.0
G48.0	400.6	255.0	7.3	0.0	5.7	97.3	340.9	31.5	5.1	0.0
G49.0	400.1	286.7	7.5	0.0	6.0	148.3	344.3	63.8	5.3	0.0
G50.0	399.0	293.0	7.6	0.0	6.2	196.5	345.8	104.8	5.4	0.0
G51.0	397.5	299.8	7.9	0.0	6.5	240.3	344.7	153.6	5.7	0.0
G52.0	398.4	306.5	8.2	0.0	6.7	261.5	343.1	198.3	5.9	0.0
G53.0	406.5	330.9	8.4	0.0	6.9	266.6	340.2	238.6	6.2	0.0
G54.0	413.4	372.8	8.6	0.0	7.0	271.9	337.0	259.1	6.3	0.0
G55.0	427.5	381.4	8.8	0.0	7.0	282.5	336.0	264.2	6.5	0.0
G56.0	444.9	386.5	9.0	0.0	7.3	318.8	342.4	271.2	6.7	0.0
G57.0	462.0	389.6	9.2	0.0	7.7	338.5	355.2	283.1	6.8	0.0
G58.0	480.7	391.6	9.4	0.0	8.1	341.7	366.5	315.3	7.0	0.0
G59.0	501.0	392.3	9.5	0.0	8.2	344.7	381.8	335.2	7.1	0.0
G60.0	515.8	392.1	9.9	0.0	8.5	345.7	399.1	337.8	7.4	0.0
G61.0	529.5	390.8	10.1	0.0	8.8	345.8	414.8	339.7	7.6	0.0
G62.0	545.3	388.3	10.4	0.0	8.9	345.1	433.0	339.7	7.9	0.0
G63.0	561.3	384.7	10.7	0.0	9.0	344.0	448.9	337.4	8.1	0.0
G64.0	580.8	381.2	10.9	0.0	9.1	342.4	465.9	335.0	8.4	0.0
G65.0	604.9	378.6	11.0	0.0	9.3	341.8	479.9	332.6	8.5	0.0
G66.0	631.6	377.0	11.1	0.0	9.4	341.5	492.3	330.3	8.6	0.0
G67.0	665.8	377.2	11.3	0.0	9.5	341.3	507.9	328.4	8.8	0.0
G68.0	699.7	378.4	11.4	0.0	9.8	341.6	523.9	328.1	8.9	0.0
G69.0	740.1	384.1	11.5	0.0	9.9	342.0	544.6	329.2	9.1	0.0
G70.0	784.8	392.1	11.6	0.0	10.2	343.9	567.6	331.6	9.3	0.0
G71.0	837.6	396.0	11.8	0.0	10.2	349.3	595.6	335.2	9.4	0.0
G72.0	903.3	401.5	11.9	0.0	10.5	352.9	631.8	340.1	9.6	0.0
G73.0	975.1	408.0	12.1	0.0	10.7	358.3	673.3	343.1	9.7	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	1044.7	413.6	12.1	0.0	10.8	366.2	720.7	348.3	10.1	0.0
G75.0	1110.7	417.5	12.2	0.0	10.9	371.5	770.3	354.3	10.2	0.0
G76.0	1160.8	420.7	12.2	0.0	11.0	378.0	823.7	357.6	10.4	0.0
G77.0	1196.5	425.7	12.2	0.0	11.0	386.4	877.5	363.3	10.6	0.0
G78.0	1201.9	431.3	12.0	0.0	11.1	392.6	929.9	370.0	10.6	0.0
G79.0	1197.7	435.4	12.0	0.0	11.1	397.8	976.9	375.9	10.6	0.0
G80.0	1194.7	438.3	12.0	0.0	11.2	403.4	1024.1	380.3	10.7	0.0
G81.0	1173.9	440.5	12.0	0.0	11.3	408.4	1056.3	384.4	10.8	0.0
G82.0	1159.3	443.1	12.0	0.0	11.3	412.4	1071.0	390.7	10.9	0.0
G83.0	1152.3	446.3	12.0	0.0	11.4	416.1	1084.7	396.8	10.9	0.0
G84.0	1151.4	448.1	12.1	0.0	11.4	419.3	1090.0	401.3	11.0	0.0
G85.0	1151.4	450.3	12.1	0.0	11.4	422.5	1080.6	404.2	11.2	0.0
G86.0	1155.1	451.9	12.3	0.0	11.5	424.5	1074.4	406.5	11.2	0.0
G87.0	1159.4	453.2	12.4	0.0	11.5	427.0	1067.6	409.3	11.2	0.0
G88.0	1156.8	454.6	12.4	0.0	11.7	429.3	1058.4	411.5	11.3	0.0
G89.0	1147.4	455.1	12.4	0.0	11.8	430.8	1055.2	413.2	11.3	0.0
G90.0	1143.3	454.4	12.3	0.0	11.8	432.1	1055.4	415.2	11.3	0.0
G91.0	1145.8	452.8	12.2	0.0	11.8	432.3	1059.4	416.1	11.2	0.0
G92.0	1155.1	451.3	12.1	0.0	11.8	431.6	1064.7	416.9	11.1	0.0
G93.0	1167.3	449.0	12.1	0.0	11.7	430.6	1068.8	417.5	11.2	0.0
G94.0	1178.1	447.6	12.2	0.0	11.7	429.4	1067.0	417.1	11.1	0.0
G95.0	1184.4	445.6	12.1	0.0	11.8	427.8	1063.1	416.8	11.1	0.0
G96.0	1184.2	442.0	12.1	0.0	11.7	425.8	1060.8	415.0	11.1	0.0
G97.0	1178.5	437.5	11.9	0.0	11.7	422.9	1057.9	412.8	11.1	0.0
G98.0	1147.7	431.9	11.9	0.0	11.7	419.8	1057.8	410.0	11.0	0.0
G99.0	1006.3	426.9	11.7	0.0	11.8	416.9	1063.3	407.5	11.1	0.0
G100.0	907.8	423.0	11.6	0.0	11.7	414.3	1069.2	403.4	11.0	0.0
G101.0	702.5	419.0	11.5	0.0	11.7	410.7	1065.5	399.4	10.9	0.0
G102.0	517.2	412.9	11.3	0.0	11.6	407.1	996.0	394.9	11.0	0.0
G103.0	338.8	406.0	11.1	0.0	11.4	402.9	883.6	390.6	11.0	0.0
G104.0	280.7	399.9	10.9	0.0	11.2	398.4	810.0	383.6	11.0	0.0
G105.0	209.9	395.7	10.9	0.0	11.0	393.3	438.5	378.4	11.0	0.0
G106.0	153.7	388.4	10.8	0.0	10.9	386.9	360.3	373.9	11.0	0.0
G107.0	109.5	380.6	10.7	0.0	10.7	380.8	312.1	369.2	10.9	0.0
G108.0	82.9	375.0	10.5	0.0	10.6	375.5	251.1	363.4	10.8	0.0
G109.0	60.4	370.4	10.3	0.0	10.4	368.5	179.2	358.3	10.7	0.0
G110.0	46.5	364.2	10.1	0.0	10.4	362.5	142.1	355.3	10.5	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	36.4	360.5	9.9	0.0	10.2	361.4	110.3	351.1	10.4	0.0
G112.0	29.1	357.0	9.7	0.0	10.2	360.3	84.7	349.0	10.2	0.0
G113.0	24.1	354.9	9.6	0.0	10.0	359.2	66.5	349.4	10.1	0.0
G114.0	20.1	354.7	9.4	0.0	9.9	361.4	50.3	349.5	10.0	0.0
G115.0	17.4	355.6	9.3	0.0	9.7	361.9	39.6	350.4	9.9	0.0
G116.0	15.4	357.7	9.1	0.0	9.6	363.6	31.0	351.9	9.8	0.0
G117.0	13.8	361.5	8.9	0.0	9.5	365.6	24.8	354.1	9.5	0.0
G118.0	12.8	364.4	8.7	0.0	9.3	367.9	20.7	357.3	9.4	0.0
G119.0	11.9	366.0	8.4	0.0	9.1	369.5	17.5	359.8	9.2	0.0
G120.0	11.0	367.8	8.2	0.0	9.0	369.1	15.2	361.1	9.0	0.0
G121.0	10.2	368.9	8.0	0.0	8.8	367.4	13.5	362.2	8.9	0.0
G122.0	9.5	355.9	7.6	0.0	8.7	363.4	12.4	360.0	8.8	0.0
G123.0	8.9	320.4	7.4	0.0	8.5	357.5	11.5	357.7	8.6	0.0
G124.0	8.5	305.6	7.1	0.0	8.3	352.3	10.8	354.5	8.4	0.0
G125.0	7.9	298.9	6.9	0.0	8.2	344.8	10.1	349.6	8.2	0.0
G126.0	7.3	292.5	6.6	0.0	7.9	331.4	9.5	339.9	7.9	0.0
G127.0	7.0	278.2	6.5	0.0	7.7	291.4	8.9	301.8	7.7	0.0
G128.0	6.5	234.5	6.3	0.0	7.5	273.8	8.3	281.8	7.3	0.0
G129.0	6.1	181.6	6.1	0.0	7.2	268.6	7.8	275.9	7.3	0.0
G130.0	5.7	123.3	5.8	0.0	7.0	262.9	7.4	270.4	7.1	0.0
G131.0	5.3	73.2	5.6	0.0	6.8	251.3	6.9	260.0	6.9	0.0
G132.0	5.1	34.2	5.4	0.0	6.7	216.8	6.4	229.3	6.7	0.0
G133.0	4.6	22.1	5.3	0.0	6.5	165.2	6.0	180.5	6.5	0.0
G134.0	4.4	21.4	5.1	0.0	6.2	117.3	5.5	132.5	6.2	0.0
G135.0	4.1	20.5	4.9	0.0	5.9	70.6	5.1	79.4	5.9	0.0
G136.0	3.7	19.6	4.6	0.0	5.7	31.0	4.8	41.8	5.8	0.0
G137.0	3.6	18.0	4.3	0.0	5.5	21.9	4.5	21.2	5.6	0.0
G138.0	3.2	16.1	4.0	0.0	5.2	20.9	4.2	20.1	5.2	0.0
G139.0	3.0	14.8	3.9	0.0	5.0	20.0	3.9	19.7	5.1	0.0
G140.0	3.0	13.7	3.7	0.0	4.7	18.5	3.6	19.0	4.8	0.0
G141.0	2.8	12.1	3.5	0.0	4.4	16.2	3.3	17.5	4.6	0.0
G142.0	2.5	11.5	3.4	0.0	4.2	14.3	3.2	15.4	4.3	0.0
G143.0	2.3	10.8	3.2	0.0	4.0	13.1	3.0	13.9	4.1	0.0
G144.0	2.2	10.2	2.9	0.0	3.6	11.8	2.8	12.9	3.7	0.0
G145.0	2.0	9.7	2.6	0.0	3.5	10.9	2.6	11.5	3.7	0.0
G146.0	1.8	8.9	2.5	0.0	3.3	10.1	2.5	10.4	3.4	0.0
G147.0	1.6	8.1	2.3	0.0	3.0	9.2	2.3	9.9	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	1.5	7.6	2.1	0.0	2.8	8.2	2.2	9.3	3.3	0.0
G149.0	1.3	6.8	1.9	0.0	2.6	7.1	1.9	8.8	3.1	0.0
G150.0	1.1	6.1	1.8	0.0	2.2	6.1	1.8	8.3	2.8	0.0
G151.0	0.9	5.6	1.5	0.0	1.8	5.1	1.6	7.8	2.4	0.0
G152.0	0.6	5.1	1.0	0.0	1.6	4.3	1.4	7.2	2.3	0.0
G153.0	0.5	4.2	0.9	0.0	1.3	3.5	1.3	6.6	2.1	0.0
G154.0	0.4	3.7	0.7	0.0	0.8	2.8	1.2	5.8	1.7	0.0
G155.0	0.3	3.2	0.4	0.0	0.7	2.1	1.0	5.2	1.6	0.0
G156.0	0.1	2.6	0.2	0.0	0.5	1.6	0.8	4.6	1.3	0.0
G157.0	0.0	2.2	0.1	0.0	0.1	0.9	0.6	3.8	1.3	0.0
G158.0	0.0	1.6	0.0	0.0	0.0	0.4	0.5	3.2	0.9	0.0
G159.0	0.0	1.3	0.0	0.0	0.0	0.0	0.3	2.7	0.6	0.0
G160.0	0.0	0.8	0.0	0.0	0.0	0.0	0.1	2.1	0.5	0.0
G161.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	1.8	0.3	0.0
G162.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.2	0.2	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	0.0	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	0.8							
G9.0	0.0	0.3	1.3							
G10.0	0.0	0.7	1.6							
G11.0	0.0	1.1	2.5							
G12.0	0.0	1.4	2.8							
G13.0	0.0	2.0	3.1							
G14.0	0.1	2.4	3.8							
G15.0	0.3	2.8	4.3							
G16.0	0.7	3.2	4.7							
G17.0	0.9	3.8	5.3							
G18.0	1.0	4.3	5.9							
G19.0	1.3	4.7	6.5							
G20.0	1.5	5.0	7.2							
G21.0	1.6	5.6	8.0							
G22.0	1.9	6.1	8.5							
G23.0	2.2	6.5	9.4							
G24.0	2.6	7.1	10.1							
G25.0	2.8	7.7	10.7							
G26.0	2.8	8.2	11.4							
G27.0	3.2	8.8	12.2							
G28.0	3.3	9.4	13.0							
G29.0	3.6	9.9	13.6							
G30.0	4.0	10.5	14.5							
G31.0	4.3	11.1	15.5							
G32.0	4.5	11.8	18.0							
G33.0	4.7	12.3	20.8							
G34.0	4.8	13.0	23.1							
G35.0	5.0	13.5	24.7							
G36.0	5.2	14.2	29.4							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	5.7	14.9	68.6							
G38.0	5.9	16.2	139.0							
G39.0	6.1	18.7	211.3							
G40.0	6.3	21.1	275.0							
G41.0	6.5	22.7	295.2							
G42.0	6.7	24.0	303.7							
G43.0	6.8	25.3	323.6							
G44.0	7.0	37.8	378.1							
G45.0	7.3	78.7	387.6							
G46.0	7.7	128.3	394.8							
G47.0	7.9	181.9	399.5							
G48.0	8.1	240.9	400.6							
G49.0	8.2	279.3	400.1							
G50.0	8.3	293.9	399.0							
G51.0	8.5	300.5	397.5							
G52.0	8.7	307.6	398.4							
G53.0	8.9	330.3	406.5							
G54.0	9.0	370.9	413.4							
G55.0	9.3	381.8	427.5							
G56.0	9.5	387.8	444.9							
G57.0	9.7	392.4	462.0							
G58.0	10.0	394.8	480.7							
G59.0	10.2	395.6	501.0							
G60.0	10.3	395.8	515.8							
G61.0	10.5	394.5	529.5							
G62.0	10.9	393.8	545.3							
G63.0	11.1	392.0	561.3							
G64.0	11.1	389.9	580.8							
G65.0	11.2	389.5	604.9							
G66.0	11.3	389.2	631.6							
G67.0	11.3	389.3	665.8							
G68.0	11.3	394.1	699.7							
G69.0	11.4	396.3	740.1							
G70.0	11.7	399.5	784.8							
G71.0	11.7	405.6	837.6							
G72.0	11.8	412.8	903.3							
G73.0	11.9	418.5	975.1							

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	11.9	425.6	1044.7							
G75.0	11.9	433.2	1110.7							
G76.0	12.1	439.9	1160.8							
G77.0	12.1	445.5	1196.5							
G78.0	12.2	449.2	1201.9							
G79.0	12.4	453.6	1197.7							
G80.0	12.6	458.6	1194.7							
G81.0	12.6	462.5	1173.9							
G82.0	12.7	465.8	1159.3							
G83.0	12.8	468.7	1152.3							
G84.0	12.8	471.3	1151.4							
G85.0	12.8	473.8	1151.4							
G86.0	12.8	475.2	1155.1							
G87.0	12.9	476.5	1159.4							
G88.0	13.0	476.8	1156.8							
G89.0	13.0	476.5	1147.4							
G90.0	13.0	476.3	1143.3							
G91.0	13.1	475.8	1145.8							
G92.0	13.1	473.8	1155.1							
G93.0	13.0	470.8	1167.3							
G94.0	12.9	468.8	1178.1							
G95.0	12.9	466.3	1184.4							
G96.0	12.8	462.7	1184.2							
G97.0	12.7	459.3	1178.5							
G98.0	12.6	455.5	1147.7							
G99.0	12.5	452.0	1006.3							
G100.0	12.6	448.5	907.8							
G101.0	12.5	444.0	702.5							
G102.0	12.4	436.6	517.2							
G103.0	12.3	430.4	338.8							
G104.0	12.1	422.7	280.7							
G105.0	11.9	417.1	209.9							
G106.0	11.8	409.4	153.7							
G107.0	11.6	402.0	109.5							
G108.0	11.4	393.9	82.9							
G109.0	11.3	388.0	60.4							
G110.0	11.1	381.0	46.5							

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:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	11.0	372.6	36.4							
G112.0	10.9	367.4	29.1							
G113.0	10.7	363.5	24.1							
G114.0	10.5	363.6	20.1							
G115.0	10.3	365.5	17.4							
G116.0	10.1	369.0	15.4							
G117.0	9.8	372.0	13.8							
G118.0	9.7	374.1	12.8							
G119.0	9.4	376.1	11.9							
G120.0	9.3	377.4	11.0							
G121.0	9.1	377.0	10.2							
G122.0	9.0	375.2	9.5							
G123.0	8.7	372.3	8.9							
G124.0	8.4	349.8	8.5							
G125.0	8.2	310.7	7.9							
G126.0	8.0	299.3	7.3							
G127.0	7.8	293.2	7.0							
G128.0	7.7	284.9	6.5							
G129.0	7.5	254.2	6.1							
G130.0	7.2	206.8	5.7							
G131.0	7.0	154.2	5.3							
G132.0	6.5	102.3	5.1							
G133.0	6.3	53.3	4.6							
G134.0	6.1	24.9	4.4							
G135.0	5.9	22.2	4.1							
G136.0	5.8	21.4	3.7							
G137.0	5.6	20.6	3.6							
G138.0	5.3	19.6	3.2							
G139.0	4.9	17.9	3.0							
G140.0	4.7	16.7	3.0							
G141.0	4.7	14.8	2.8							
G142.0	4.5	13.4	2.5							
G143.0	4.2	12.0	2.3							
G144.0	3.9	11.3	2.2							
G145.0	3.6	10.5	2.0							
G146.0	3.2	9.8	1.8							
G147.0	2.9	9.0	1.6							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	2.8	8.4	1.5							
G149.0	2.5	7.9	1.3							
G150.0	2.3	7.3	1.1							
G151.0	2.1	6.5	0.9							
G152.0	1.8	5.9	0.6							
G153.0	1.5	5.2	0.5							
G154.0	1.1	4.4	0.4							
G155.0	0.9	3.7	0.3							
G156.0	0.7	3.4	0.1							
G157.0	0.4	2.9	0.0							
G158.0	0.2	2.3	0.0							
G159.0	0.0	1.9	0.0							
G160.0	0.0	1.6	0.0							
G161.0	0.0	1.2	0.0							
G162.0	0.0	0.7	0.0							
G163.0	0.0	0.4	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: