HAVIT COMMERCIAL
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Report No.: 001 Test Time: 2019-04-23 11:29

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212160,HCP213160(4000K)
Lamp Catalog: COB Luminous Length (mm): -80
Luminous Width (mm): -80 Luminous Height (mm): 0
Voltage: 230V Current: 0.076A
Power: 16.66W Power Factor: 0.945

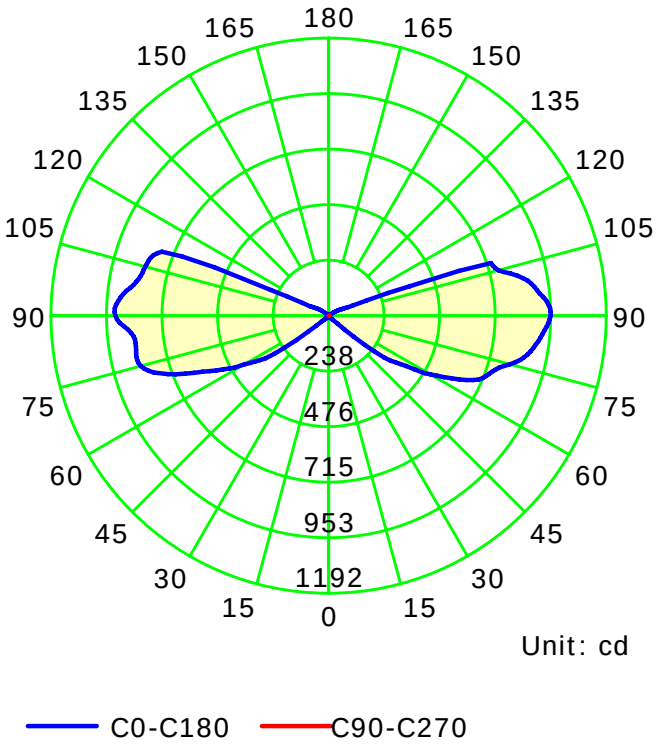
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 1531.6 lm
Measurement Flux: 1531.6 lm Efficiency: 100%
Downward Ratio: 54% Upward Ratio: 46%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 230.5, 360.0, 237.7, 239.7
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 222.7, 360.0, 224.8, 226.9
Luminaire Efficacy Rating (LER): 91.98 Central Intensity: 0 cd
Max. Intensity: 953.75 cd Pos of Max. Intensity: H0 V91
S/MH(C0/C180): -793.88 S/MH(C90/C270): -1.#J

Picture Of Luminaire



Luminous Intensity Distribution Curve

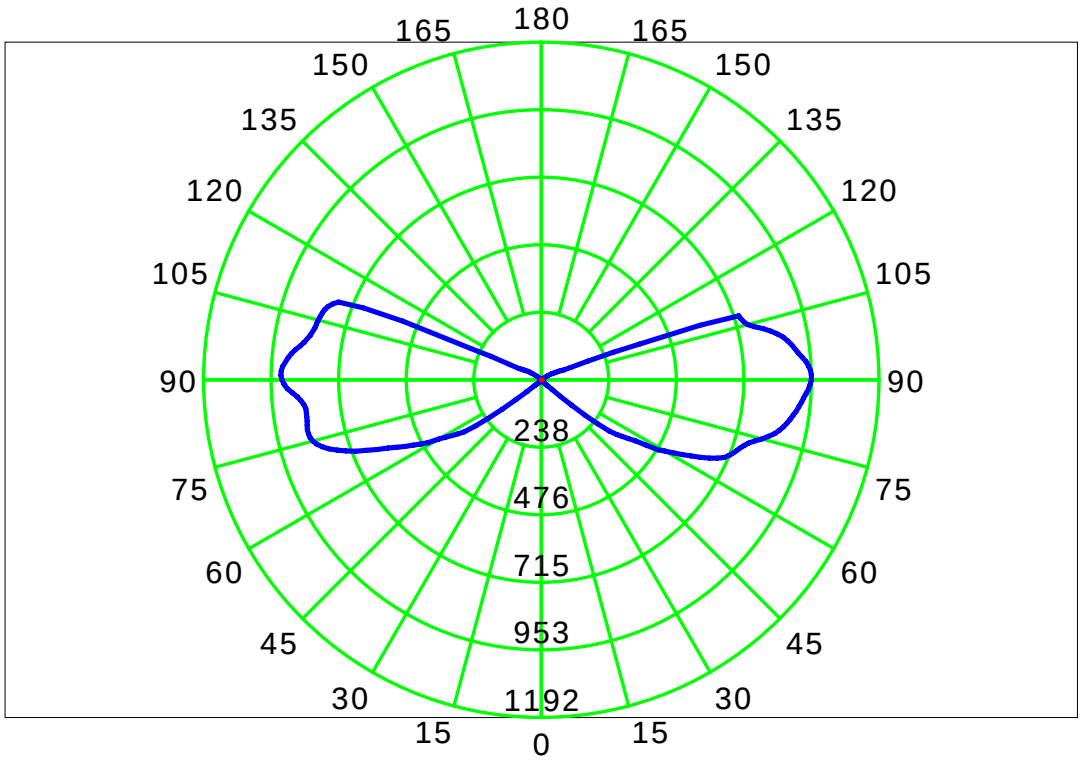


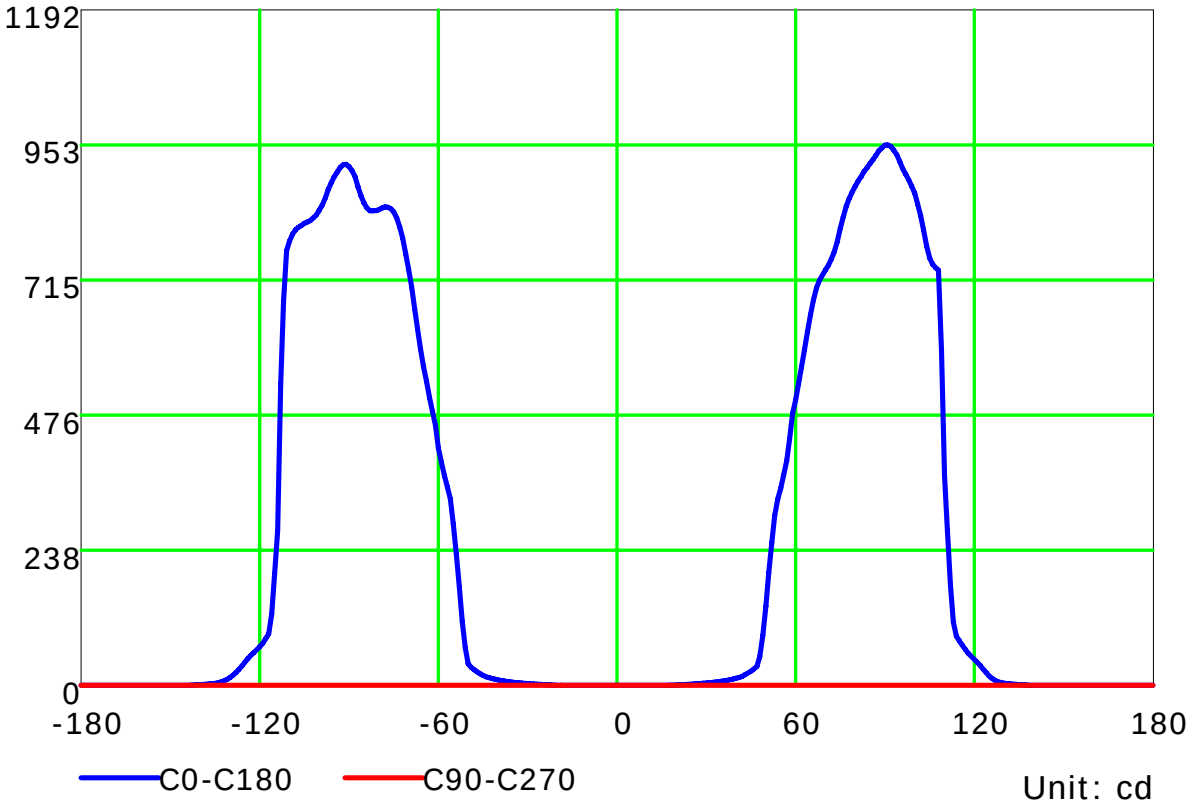
Unit: cd

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



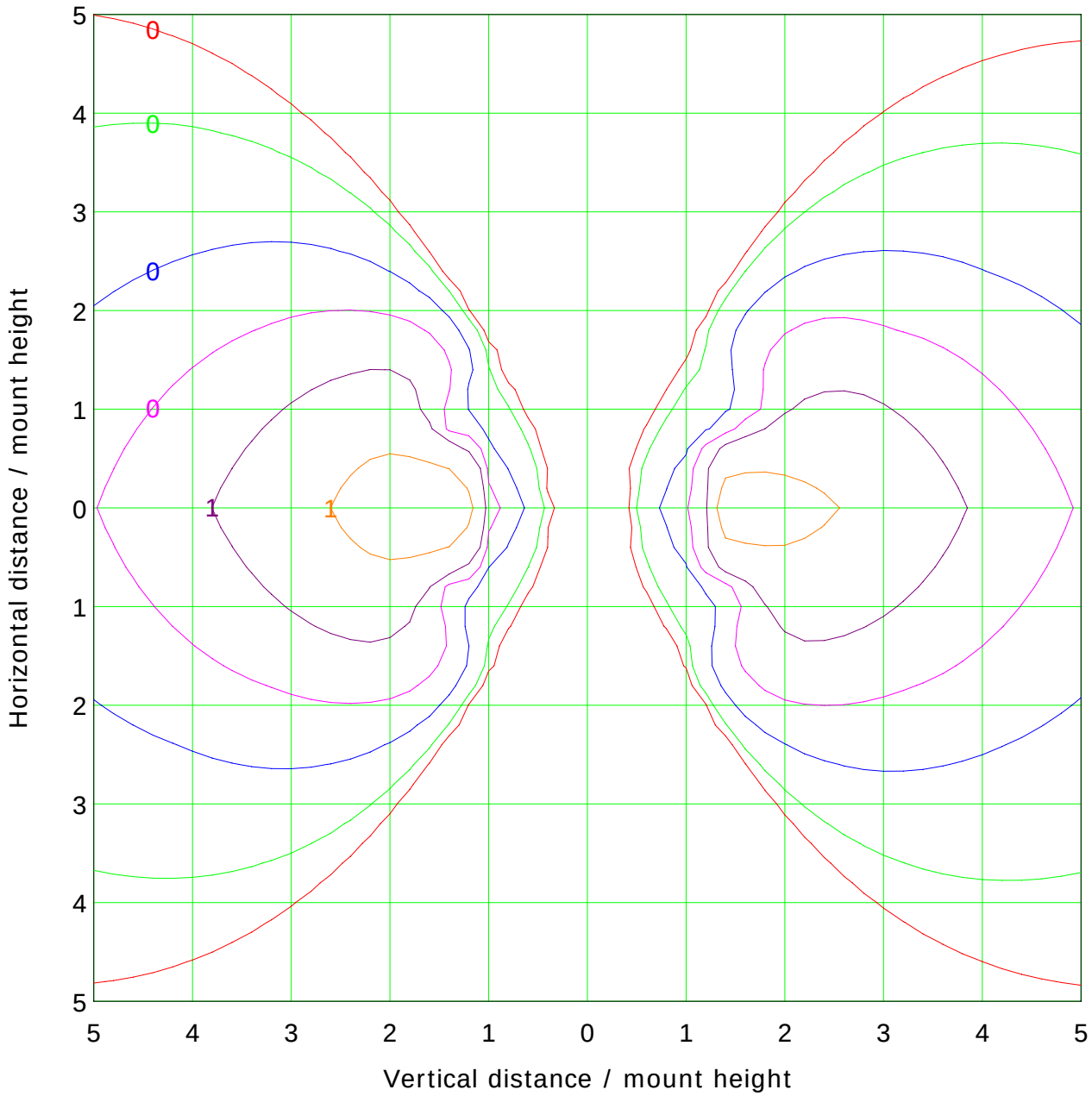


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
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Humidity:
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IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.7 lx

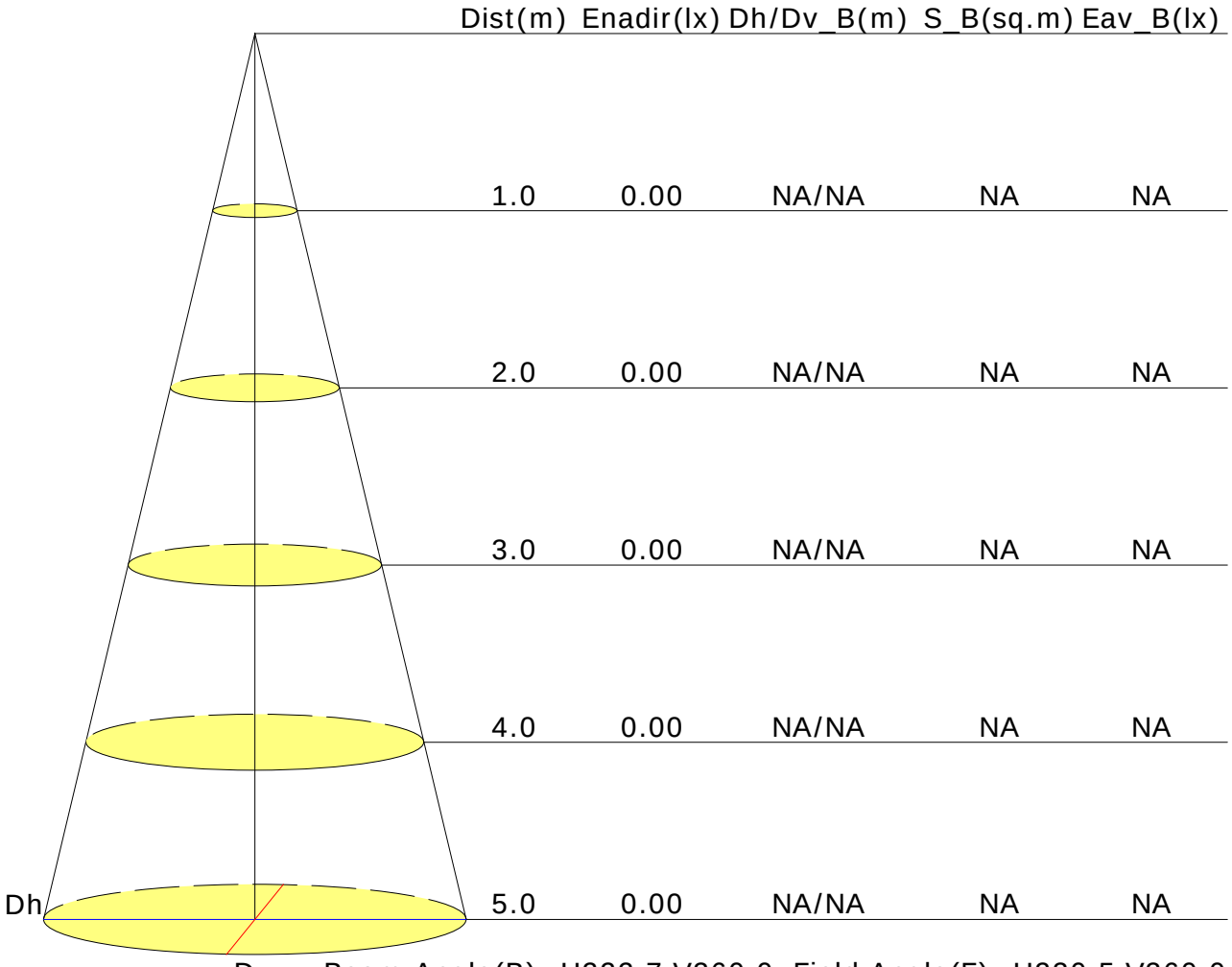
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.1 lx	(10%): 0.3 lx
(20%): 0.5 lx	(50%): 1.3 lx
(100%): 2.7 lx	

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:
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Illuminance at a Distance



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	27.8	28.9	28.6	29.8	31.0	-5.6	-4.4	-4.7	-3.5	-2.3
3H	34.9	36.0	35.8	37.0	38.2	-4.7	-3.7	-3.8	-2.7	-1.5
4H	38.0	39.0	38.9	40.0	41.2	-4.1	-3.1	-3.2	-2.2	-0.9
6H	41.2	42.2	42.1	43.1	44.4	-3.6	-2.6	-2.7	-1.6	-0.4
8H	42.8	43.8	43.8	44.7	46.0	-3.3	-2.4	-2.4	-1.4	-0.2
12H	44.6	45.5	45.5	46.5	47.8	-3.2	-2.3	-2.3	-1.3	-0.0
X=4H Y=2H	27.7	28.7	28.6	29.7	30.9	18.6	19.6	19.5	20.6	21.8
3H	35.2	36.1	36.1	37.1	38.3	19.3	20.2	20.2	21.2	22.4
4H	38.5	39.3	39.4	40.3	41.6	19.1	20.0	20.1	21.0	22.2
6H	42.0	42.8	43.0	43.8	45.1	19.0	19.8	19.9	20.8	22.1
8H	43.9	44.6	44.8	45.6	46.9	18.9	19.6	19.9	20.6	21.9
12H	45.9	46.5	46.8	47.5	48.9	18.8	19.5	19.8	20.5	21.8
X=8H Y=4H	38.5	39.3	39.5	40.3	41.6	28.6	29.3	29.5	30.3	31.6
6H	42.3	43.0	43.3	44.0	45.3	28.8	29.4	29.7	30.4	31.7
8H	44.4	45.0	45.4	46.0	47.3	28.7	29.3	29.7	30.3	31.6
12H	46.7	47.3	47.7	48.3	49.6	28.6	29.1	29.6	30.2	31.5
X=12H Y=4H	38.5	39.1	39.4	40.1	41.5	31.3	32.0	32.3	33.0	34.3
6H	42.3	42.9	43.3	43.9	45.2	32.2	32.8	33.2	33.8	35.1
8H	44.5	45.0	45.5	46.0	47.4	32.4	32.9	33.4	33.9	35.3
Variations with the observer position at spacings:										
S=1.0H	+0.5/-0.6					+0.2/-0.1				
S=1.5H	+0.8/-1.2					+0.2/-0.3				
S=2.0H	+1.2/-1.8					+0.6/-0.5				

Calculate in accordance with CIE Pub.117. The table is revised with 1532lm (8log(F/F0) = 1.5).

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

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G17.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G18.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G19.0	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
G20.0	0.8	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
G21.0	1.0	0.2	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
G22.0	1.3	0.4	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0
G23.0	1.5	0.4	0.0	0.0	0.0	0.2	0.9	0.2	0.0	0.0
G24.0	1.9	0.8	0.0	0.0	0.0	0.3	1.1	0.4	0.0	0.0
G25.0	2.2	0.9	0.0	0.0	0.0	0.4	1.4	0.5	0.0	0.0
G26.0	2.5	1.2	0.0	0.0	0.0	0.7	1.7	0.9	0.0	0.0
G27.0	2.9	1.3	0.0	0.0	0.0	0.9	2.0	1.0	0.0	0.0
G28.0	3.3	1.6	0.0	0.0	0.0	1.1	2.4	1.2	0.0	0.0
G29.0	3.7	1.9	0.0	0.0	0.0	1.3	2.8	1.5	0.0	0.0
G30.0	4.1	2.1	0.0	0.0	0.0	1.5	3.2	1.8	0.0	0.0
G31.0	4.7	2.4	0.0	0.0	0.0	1.9	3.6	2.0	0.0	0.0
G32.0	5.2	2.7	0.0	0.0	0.0	2.1	4.0	2.3	0.0	0.0
G33.0	5.8	3.0	0.0	0.0	0.0	2.5	4.5	2.6	0.0	0.0
G34.0	6.4	3.3	0.0	0.0	0.0	2.8	5.1	2.9	0.0	0.0
G35.0	7.1	3.7	0.0	0.0	0.0	3.1	5.6	3.2	0.0	0.0
G36.0	7.9	4.0	0.0	0.0	0.0	3.4	6.2	3.4	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 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	8.8	4.4	0.0	0.0	0.0	3.8	7.0	3.8	0.0	0.0
G38.0	10.0	4.9	0.0	0.0	0.0	4.2	7.7	4.2	0.0	0.0
G39.0	11.2	5.2	0.0	0.0	0.1	4.6	8.5	4.6	0.0	0.0
G40.0	12.4	5.7	0.2	0.0	0.1	5.1	9.7	5.1	0.1	0.0
G41.0	13.9	6.3	0.1	0.0	0.2	5.5	10.8	5.5	0.2	0.0
G42.0	15.8	6.8	0.3	0.0	0.3	6.0	12.0	6.0	0.3	0.0
G43.0	18.9	7.4	0.3	0.0	0.4	6.6	13.6	6.6	0.3	0.0
G44.0	21.8	8.0	0.3	0.0	0.4	7.1	15.1	7.1	0.4	0.0
G45.0	25.1	8.7	0.5	0.0	0.5	7.9	17.6	7.7	0.5	0.0
G46.0	28.9	9.5	0.5	0.0	0.6	8.6	20.6	8.4	0.5	0.0
G47.0	33.4	10.3	0.5	0.0	0.6	9.4	23.8	9.0	0.6	0.0
G48.0	51.1	11.3	0.8	0.0	0.8	10.4	27.7	9.8	0.7	0.0
G49.0	88.3	12.2	0.7	0.0	0.9	11.4	31.9	10.7	0.9	0.0
G50.0	139.6	13.1	0.8	0.0	0.9	12.4	38.2	11.6	0.9	0.0
G51.0	199.2	14.5	1.0	0.0	1.0	13.7	66.6	12.8	1.0	0.0
G52.0	252.1	16.2	1.0	0.0	1.1	14.9	113.4	13.8	1.1	0.0
G53.0	299.6	18.3	1.1	0.0	1.2	16.3	173.6	15.0	1.1	0.0
G54.0	328.7	20.5	1.1	0.0	1.4	18.6	232.6	16.6	1.2	0.0
G55.0	348.3	22.6	1.2	0.0	1.4	21.0	285.2	18.4	1.4	0.0
G56.0	371.4	25.0	1.3	0.0	1.5	23.6	328.9	20.9	1.5	0.0
G57.0	396.3	27.1	1.4	0.0	1.6	26.2	350.5	23.2	1.5	0.0
G58.0	434.8	29.6	1.5	0.0	1.7	29.1	370.4	25.7	1.6	0.0
G59.0	480.2	33.4	1.6	0.0	1.8	32.6	393.6	28.4	1.8	0.0
G60.0	504.0	46.4	1.6	0.0	1.9	36.3	418.8	31.1	1.8	0.0
G61.0	532.4	68.8	1.7	0.0	2.0	48.4	459.0	34.4	1.9	0.0
G62.0	562.6	97.7	1.8	0.0	2.1	75.2	483.5	38.3	2.1	0.0
G63.0	592.4	128.5	1.9	0.0	2.1	104.7	507.8	50.6	2.1	0.0
G64.0	624.5	161.9	1.9	0.0	2.3	139.2	536.6	73.0	2.2	0.0
G65.0	654.7	193.3	1.9	0.0	2.3	173.3	562.9	101.1	2.3	0.0
G66.0	680.2	222.7	2.1	0.0	2.4	206.6	592.8	131.0	2.3	0.0
G67.0	701.5	254.5	2.1	0.0	2.5	241.4	629.0	166.3	2.5	0.0
G68.0	714.5	278.4	2.2	0.0	2.6	272.6	664.7	199.1	2.5	0.0
G69.0	724.0	304.2	2.3	0.0	2.6	301.4	703.5	233.7	2.7	0.0
G70.0	733.1	319.6	2.3	0.0	2.8	323.9	734.6	264.3	2.7	0.0
G71.0	741.1	329.6	2.3	0.0	2.8	337.5	761.9	292.2	2.8	0.0
G72.0	752.4	339.1	2.4	0.0	2.9	347.1	789.5	316.7	2.9	0.0
G73.0	765.2	347.9	2.5	0.0	2.9	356.4	808.8	333.0	2.9	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 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	783.2	357.0	2.5	0.0	3.0	365.0	825.1	344.3	3.0	0.0
G75.0	807.0	366.0	2.5	0.0	3.1	374.8	835.7	353.1	3.1	0.0
G76.0	826.5	374.7	2.6	0.0	3.1	383.1	841.5	361.9	3.1	0.0
G77.0	845.5	383.6	2.7	0.0	3.2	392.3	844.0	370.6	3.1	0.0
G78.0	858.9	391.3	2.6	0.0	3.3	400.5	844.7	378.5	3.3	0.0
G79.0	870.9	399.8	2.7	0.0	3.3	408.0	842.6	385.3	3.3	0.0
G80.0	881.1	410.4	2.7	0.0	3.4	416.6	839.4	392.5	3.4	0.0
G81.0	890.0	419.7	2.8	0.0	3.4	424.7	838.2	398.9	3.4	0.0
G82.0	897.9	429.1	2.8	0.0	3.4	434.5	837.7	404.8	3.5	0.0
G83.0	907.0	440.6	2.8	0.0	3.4	444.3	837.9	410.5	3.5	0.0
G84.0	913.9	450.2	2.8	0.0	3.5	450.9	842.6	416.0	3.6	0.0
G85.0	921.4	458.8	2.8	0.0	3.5	453.8	851.5	421.3	3.6	0.0
G86.0	927.9	464.5	2.8	0.0	3.5	456.2	863.7	426.3	3.6	0.0
G87.0	935.9	469.1	2.8	0.0	3.6	458.6	880.0	431.3	3.6	0.0
G88.0	943.8	471.4	2.8	0.0	3.5	460.1	897.7	435.4	3.7	0.0
G89.0	948.8	472.0	2.8	0.0	3.6	461.4	908.5	438.1	3.7	0.0
G90.0	953.7	470.4	2.8	0.0	3.6	462.1	915.9	440.2	3.7	0.0
G91.0	953.8	467.2	2.8	0.0	3.6	462.9	919.6	440.2	3.6	0.0
G92.0	951.3	462.2	2.7	0.0	3.5	462.5	919.0	439.6	3.6	0.0
G93.0	944.5	454.5	2.7	0.0	3.6	461.4	914.5	438.1	3.6	0.0
G94.0	936.5	445.7	2.7	0.0	3.6	459.7	905.8	436.2	3.6	0.0
G95.0	924.3	435.7	2.7	0.0	3.5	457.8	897.8	433.8	3.6	0.0
G96.0	911.9	425.0	2.7	0.0	3.6	455.0	887.3	430.4	3.6	0.0
G97.0	901.9	415.1	2.7	0.0	3.5	451.4	875.4	425.1	3.5	0.0
G98.0	892.5	405.5	2.6	0.0	3.5	446.2	860.4	420.0	3.6	0.0
G99.0	880.9	394.5	2.6	0.0	3.5	435.6	848.0	415.0	3.5	0.0
G100.0	868.6	385.0	2.5	0.0	3.3	426.0	839.0	410.1	3.5	0.0
G101.0	849.7	374.1	2.5	0.0	3.3	416.4	830.5	403.6	3.5	0.0
G102.0	828.7	365.4	2.5	0.0	3.3	408.0	825.3	398.1	3.5	0.0
G103.0	803.8	355.8	2.4	0.0	3.3	398.7	820.5	391.3	3.4	0.0
G104.0	776.0	344.7	2.4	0.0	3.1	389.3	818.1	383.9	3.4	0.0
G105.0	754.6	335.3	2.3	0.0	3.1	379.8	815.9	376.8	3.3	0.0
G106.0	743.8	326.2	2.2	0.0	3.1	369.9	811.8	368.1	3.3	0.0
G107.0	737.3	316.0	2.2	0.0	3.0	359.3	808.7	360.1	3.1	0.0
G108.0	732.9	303.2	2.1	0.0	3.0	349.4	804.2	351.6	3.1	0.0
G109.0	592.2	282.0	2.1	0.0	2.9	338.2	796.6	342.2	3.1	0.0
G110.0	370.2	258.0	2.0	0.0	2.9	329.0	784.2	332.1	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 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	273.7	232.2	1.9	0.0	2.8	316.7	767.4	315.1	2.9	0.0
G112.0	177.3	199.8	1.9	0.0	2.7	295.6	678.8	290.4	2.8	0.0
G113.0	111.9	169.5	1.7	0.0	2.6	268.6	531.8	264.2	2.7	0.0
G114.0	86.8	135.7	1.7	0.0	2.5	236.9	272.9	232.8	2.7	0.0
G115.0	78.5	103.9	1.7	0.0	2.5	202.9	196.7	202.0	2.6	0.0
G116.0	71.0	75.8	1.6	0.0	2.3	168.6	126.0	171.6	2.5	0.0
G117.0	63.5	50.0	1.5	0.0	2.3	130.3	90.7	136.6	2.4	0.0
G118.0	56.7	34.5	1.4	0.0	2.2	98.5	82.9	104.8	2.4	0.0
G119.0	51.1	28.0	1.4	0.0	2.1	68.9	74.3	73.8	2.3	0.0
G120.0	45.9	25.5	1.2	0.0	2.0	45.2	68.3	51.1	2.2	0.0
G121.0	41.0	23.4	1.2	0.0	1.9	33.3	63.2	37.0	2.1	0.0
G122.0	35.1	21.3	1.1	0.0	1.8	29.7	57.8	32.6	2.0	0.0
G123.0	28.7	19.3	1.1	0.0	1.7	27.2	53.2	29.8	1.9	0.0
G124.0	22.7	17.5	1.1	0.0	1.6	24.9	47.4	27.3	1.9	0.0
G125.0	16.6	15.4	0.8	0.0	1.4	22.5	40.8	24.6	1.7	0.0
G126.0	12.3	13.6	0.8	0.0	1.3	20.5	34.4	22.4	1.7	0.0
G127.0	8.9	12.6	0.7	0.0	1.2	18.2	28.1	20.0	1.6	0.0
G128.0	6.4	11.7	0.6	0.0	1.1	16.0	22.7	17.9	1.4	0.0
G129.0	4.9	10.8	0.6	0.0	0.9	14.4	18.1	16.0	1.4	0.0
G130.0	3.9	9.9	0.5	0.0	0.9	13.1	13.6	14.6	1.3	0.0
G131.0	3.2	9.2	0.5	0.0	0.7	12.1	10.5	13.4	1.1	0.0
G132.0	2.8	8.4	0.4	0.0	0.6	11.0	8.0	12.3	1.1	0.0
G133.0	2.1	7.7	0.2	0.0	0.4	9.8	6.1	11.2	1.0	0.0
G134.0	1.7	7.0	0.2	0.0	0.3	8.9	4.6	10.3	0.9	0.0
G135.0	1.4	6.4	0.1	0.0	0.1	8.2	3.6	9.5	0.9	0.0
G136.0	1.0	5.9	0.1	0.0	0.0	7.3	3.0	8.7	0.7	0.0
G137.0	0.8	5.5	0.0	0.0	0.0	6.7	2.5	8.0	0.6	0.0
G138.0	0.5	5.0	0.0	0.0	0.0	6.0	2.0	7.4	0.6	0.0
G139.0	0.3	4.6	0.0	0.0	0.0	5.3	1.5	6.8	0.4	0.0
G140.0	0.2	4.2	0.0	0.0	0.0	4.9	1.2	6.2	0.4	0.0
G141.0	0.0	3.8	0.0	0.0	0.0	4.4	0.9	5.8	0.3	0.0
G142.0	0.0	3.5	0.0	0.0	0.0	3.9	0.6	5.3	0.2	0.0
G143.0	0.0	3.1	0.0	0.0	0.0	3.4	0.3	4.8	0.1	0.0
G144.0	0.0	2.8	0.0	0.0	0.0	2.9	0.1	4.4	0.1	0.0
G145.0	0.0	2.5	0.0	0.0	0.0	2.4	0.0	4.0	0.1	0.0
G146.0	0.0	2.2	0.0	0.0	0.0	1.9	0.0	3.6	0.0	0.0
G147.0	0.0	2.0	0.0	0.0	0.0	1.3	0.0	3.3	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 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	0.0	1.8	0.0	0.0	0.0	0.9	0.0	3.0	0.0	0.0
G149.0	0.0	1.5	0.0	0.0	0.0	0.6	0.0	2.6	0.0	0.0
G150.0	0.0	1.3	0.0	0.0	0.0	0.2	0.0	2.3	0.0	0.0
G151.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
G152.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
G153.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
G154.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
G155.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
G156.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
G159.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G161.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0							
G8.0	0.0	0.0	0.0							
G9.0	0.0	0.0	0.0							
G10.0	0.0	0.0	0.0							
G11.0	0.0	0.0	0.0							
G12.0	0.0	0.0	0.0							
G13.0	0.0	0.0	0.0							
G14.0	0.0	0.0	0.0							
G15.0	0.0	0.0	0.0							
G16.0	0.0	0.0	0.0							
G17.0	0.0	0.0	0.1							
G18.0	0.0	0.0	0.3							
G19.0	0.0	0.0	0.5							
G20.0	0.0	0.0	0.8							
G21.0	0.0	0.0	1.0							
G22.0	0.0	0.2	1.3							
G23.0	0.0	0.4	1.5							
G24.0	0.0	0.6	1.9							
G25.0	0.0	0.8	2.2							
G26.0	0.0	1.0	2.5							
G27.0	0.0	1.3	2.9							
G28.0	0.0	1.5	3.3							
G29.0	0.0	1.8	3.7							
G30.0	0.0	2.1	4.1							
G31.0	0.0	2.4	4.7							
G32.0	0.0	2.7	5.2							
G33.0	0.0	3.0	5.8							
G34.0	0.0	3.3	6.4							
G35.0	0.0	3.7	7.1							
G36.0	0.0	4.1	7.9							

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:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	0.1	4.5	8.8							
G38.0	0.2	4.9	10.0							
G39.0	0.3	5.4	11.2							
G40.0	0.4	6.0	12.4							
G41.0	0.4	6.5	13.9							
G42.0	0.5	7.1	15.8							
G43.0	0.6	7.8	18.9							
G44.0	0.7	8.4	21.8							
G45.0	0.8	9.2	25.1							
G46.0	0.9	10.1	28.9							
G47.0	0.9	11.0	33.4							
G48.0	1.1	12.2	51.1							
G49.0	1.2	13.2	88.3							
G50.0	1.2	14.3	139.6							
G51.0	1.4	15.9	199.2							
G52.0	1.4	17.5	252.1							
G53.0	1.5	20.1	299.6							
G54.0	1.6	22.1	328.7							
G55.0	1.8	24.4	348.3							
G56.0	1.8	26.8	371.4							
G57.0	1.9	29.3	396.3							
G58.0	2.0	31.9	434.8							
G59.0	2.1	37.7	480.2							
G60.0	2.2	53.3	504.0							
G61.0	2.2	80.3	532.4							
G62.0	2.4	110.1	562.6							
G63.0	2.4	143.6	592.4							
G64.0	2.5	180.3	624.5							
G65.0	2.6	214.8	654.7							
G66.0	2.6	246.1	680.2							
G67.0	2.7	276.9	701.5							
G68.0	2.8	299.4	714.5							
G69.0	2.9	317.3	724.0							
G70.0	3.0	326.9	733.1							
G71.0	3.1	336.9	741.1							
G72.0	3.1	347.6	752.4							
G73.0	3.2	357.4	765.2							

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	3.3	369.5	783.2							
G75.0	3.4	380.2	807.0							
G76.0	3.3	391.4	826.5							
G77.0	3.4	403.6	845.5							
G78.0	3.4	416.7	858.9							
G79.0	3.5	431.3	870.9							
G80.0	3.6	451.6	881.1							
G81.0	3.5	467.3	890.0							
G82.0	3.5	480.7	897.9							
G83.0	3.6	488.1	907.0							
G84.0	3.6	493.2	913.9							
G85.0	3.6	497.1	921.4							
G86.0	3.6	500.0	927.9							
G87.0	3.7	502.7	935.9							
G88.0	3.7	503.6	943.8							
G89.0	3.6	503.7	948.8							
G90.0	3.6	504.2	953.7							
G91.0	3.7	504.2	953.8							
G92.0	3.6	502.6	951.3							
G93.0	3.5	501.7	944.5							
G94.0	3.6	500.1	936.5							
G95.0	3.6	496.2	924.3							
G96.0	3.5	492.7	911.9							
G97.0	3.5	486.7	901.9							
G98.0	3.5	477.9	892.5							
G99.0	3.4	465.0	880.9							
G100.0	3.3	449.1	868.6							
G101.0	3.3	429.3	849.7							
G102.0	3.3	415.0	828.7							
G103.0	3.1	399.9	803.8							
G104.0	3.1	386.2	776.0							
G105.0	3.0	374.1	754.6							
G106.0	3.0	362.7	743.8							
G107.0	2.9	352.1	737.3							
G108.0	2.9	341.9	732.9							
G109.0	2.8	330.2	592.2							
G110.0	2.7	320.4	370.2							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	2.6	309.9	273.7							
G112.0	2.5	288.8	177.3							
G113.0	2.4	263.7	111.9							
G114.0	2.3	233.4	86.8							
G115.0	2.3	201.4	78.5							
G116.0	2.2	167.1	71.0							
G117.0	2.1	130.8	63.5							
G118.0	2.0	99.4	56.7							
G119.0	1.9	68.7	51.1							
G120.0	1.8	45.0	45.9							
G121.0	1.7	31.1	41.0							
G122.0	1.6	27.3	35.1							
G123.0	1.5	25.1	28.7							
G124.0	1.4	23.1	22.7							
G125.0	1.3	20.8	16.6							
G126.0	1.3	18.8	12.3							
G127.0	1.1	16.6	8.9							
G128.0	1.0	14.7	6.4							
G129.0	1.0	13.4	4.9							
G130.0	0.9	12.3	3.9							
G131.0	0.9	11.4	3.2							
G132.0	0.7	10.6	2.8							
G133.0	0.6	9.6	2.1							
G134.0	0.5	8.9	1.7							
G135.0	0.4	8.0	1.4							
G136.0	0.2	7.4	1.0							
G137.0	0.2	6.8	0.8							
G138.0	0.2	6.3	0.5							
G139.0	0.1	5.7	0.3							
G140.0	0.0	5.3	0.2							
G141.0	0.0	4.9	0.0							
G142.0	0.0	4.4	0.0							
G143.0	0.0	3.9	0.0							
G144.0	0.0	3.6	0.0							
G145.0	0.0	3.3	0.0							
G146.0	0.0	2.9	0.0							
G147.0	0.0	2.6	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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	0.0	2.3	0.0							
G149.0	0.0	2.0	0.0							
G150.0	0.0	1.7	0.0							
G151.0	0.0	1.5	0.0							
G152.0	0.0	1.2	0.0							
G153.0	0.0	1.0	0.0							
G154.0	0.0	0.7	0.0							
G155.0	0.0	0.6	0.0							
G156.0	0.0	0.4	0.0							
G157.0	0.0	0.2	0.0							
G158.0	0.0	0.0	0.0							
G159.0	0.0	0.0	0.0							
G160.0	0.0	0.0	0.0							
G161.0	0.0	0.0	0.0							
G162.0	0.0	0.0	0.0							
G163.0	0.0	0.0	0.0							
G164.0	0.0	0.0	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: