HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel: 02 9381 8383
E-mail:sales@havitcommercial.com.au

Report No.: 001 Test Time: 2019-04-23 10:46

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212160,HCP213160(5500K)
Lamp Catalog: COB Luminous Length (mm): -80
Luminous Width (mm): -80 Luminous Height (mm): 0
Voltage: 230V Current: 0.072A
Power: 15.70W Power Factor: 0.943

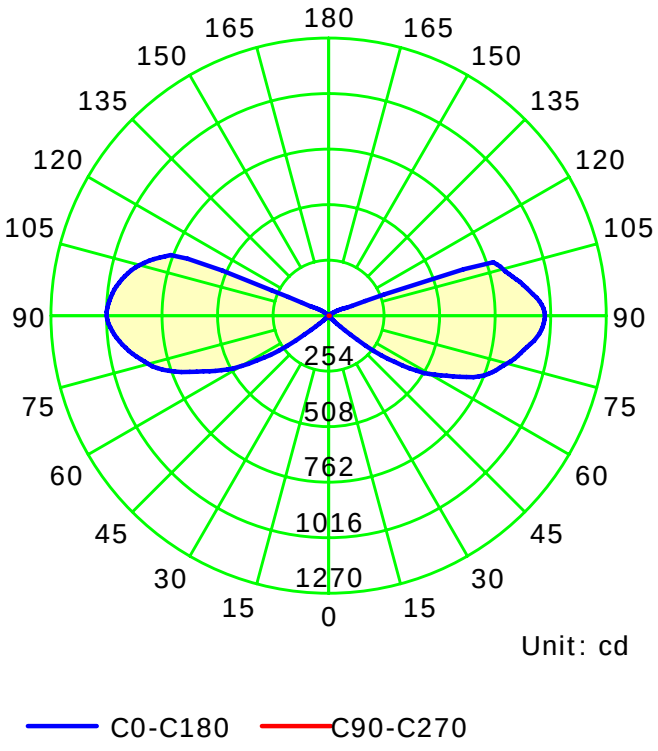
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 1651.8 lm
Measurement Flux: 1651.8 lm Efficiency: 100%
Downward Ratio: 53% Upward Ratio: 47%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 230.4, 360.0, 243.3, 245.5
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 222.6, 360.0, 224.5, 226.8
Luminaire Efficacy Rating (LER): 105.26 Central Intensity: 0 cd
Max. Intensity: 1016.46 cd Pos of Max. Intensity: H180 V91
S/MH(C0/C180): -798.28 S/MH(C90/C270): -1.#J

Picture Of Luminaire



Luminous Intensity Distribution Curve

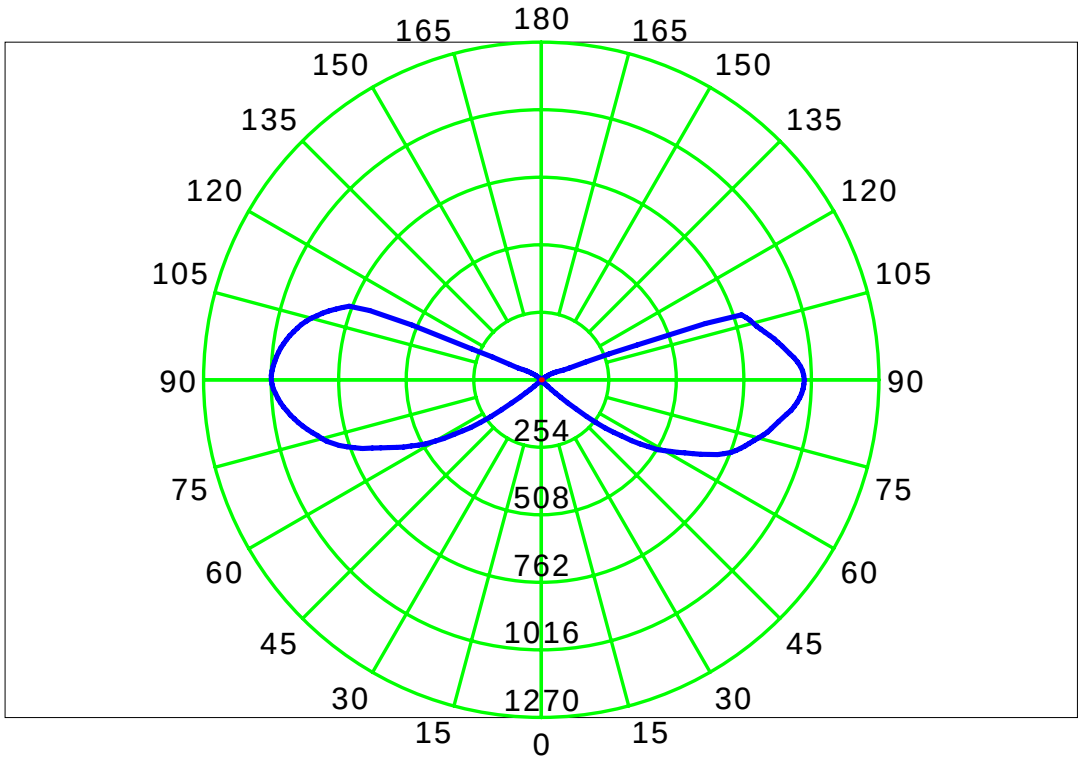


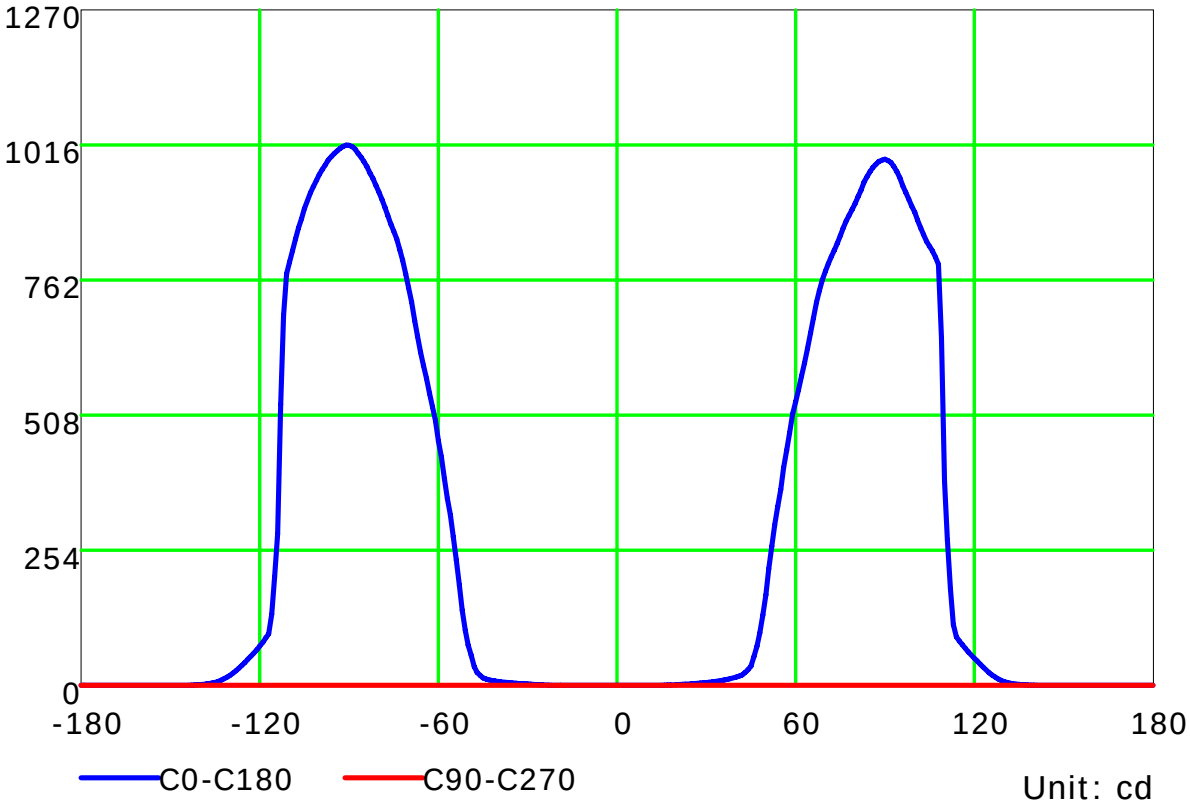
Unit: cd

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



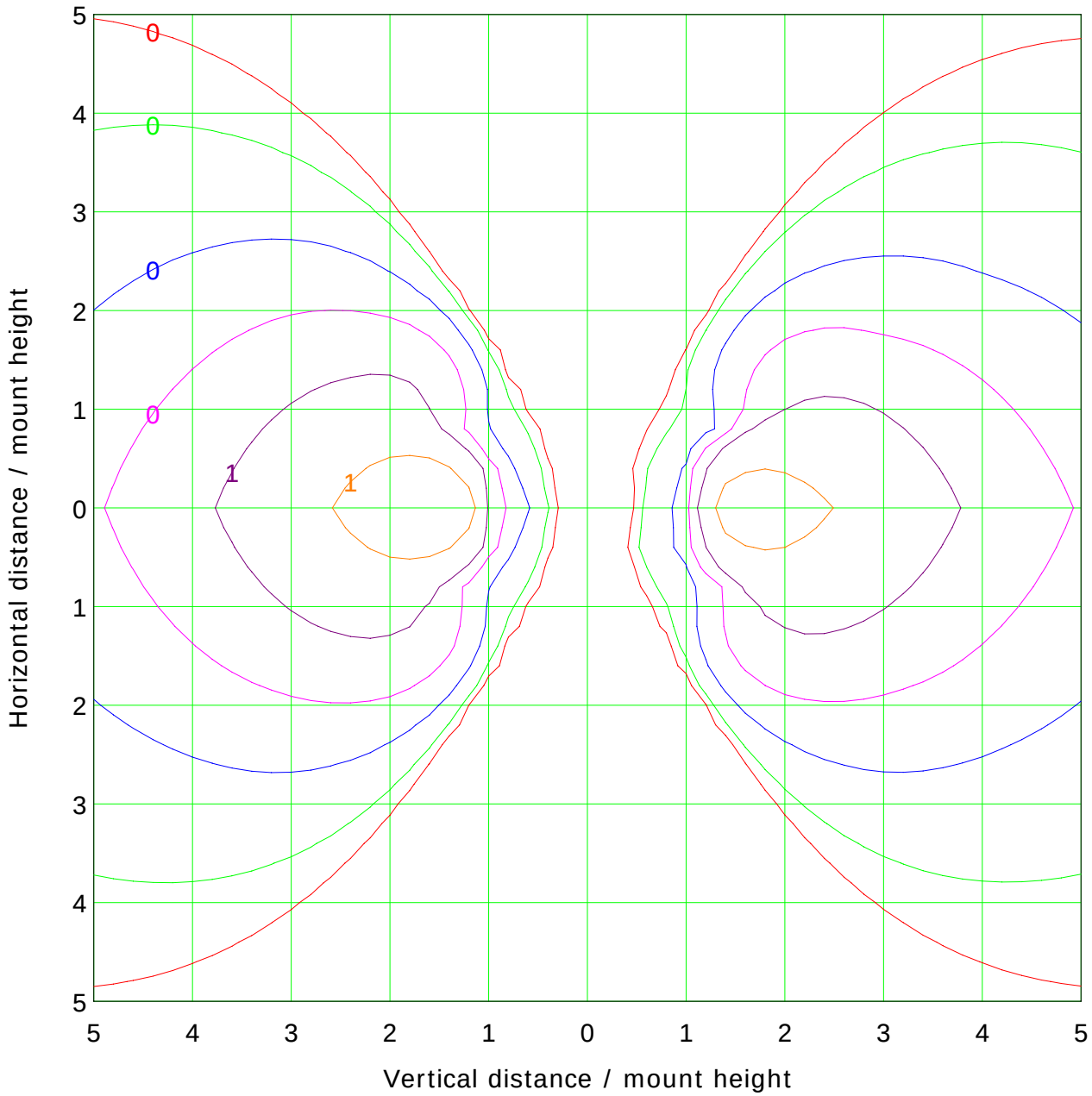


C Plane (°):0.0-360.0: 30.0
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Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
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IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.9 lx

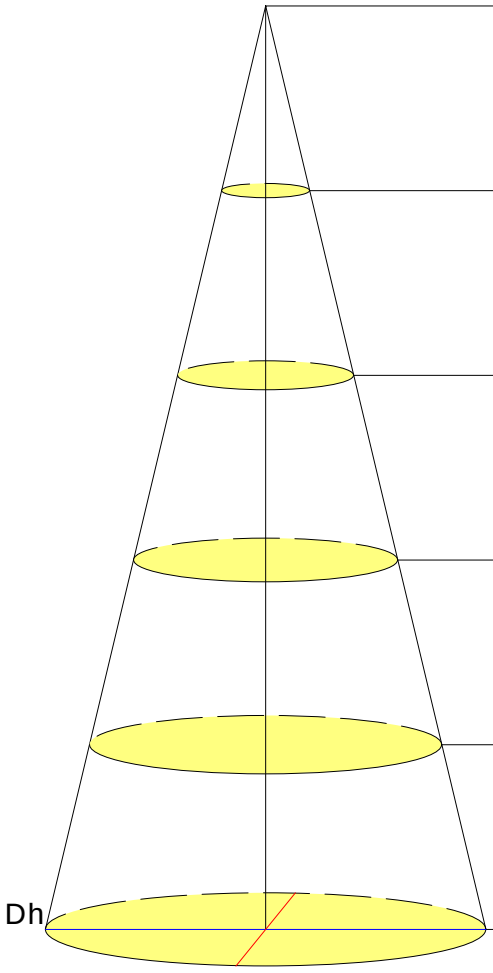
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.1 lx	(10%): 0.3 lx
(20%): 0.6 lx	(50%): 1.4 lx
(100%): 2.9 lx	

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): H222.6 V360.0 Field Angle(F): H230.4 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	28.0	29.2	28.9	30.1	31.3	-3.1	-1.9	-2.2	-1.0	0.2
3H	35.0	36.1	35.9	37.0	38.3	-2.3	-1.3	-1.5	-0.3	0.9
4H	38.1	39.1	39.0	40.1	41.3	-1.8	-0.8	-0.9	0.1	1.4
6H	41.2	42.2	42.1	43.2	44.4	-1.4	-0.4	-0.5	0.6	1.8
8H	42.9	43.8	43.8	44.8	46.0	-1.2	-0.2	-0.3	0.7	2.0
12H	44.7	45.6	45.6	46.5	47.8	-1.0	-0.1	-0.1	0.9	2.1
X=4H Y=2H	28.0	29.0	28.9	30.0	31.2	18.9	19.9	19.8	20.9	22.1
3H	35.3	36.2	36.2	37.2	38.4	19.6	20.5	20.5	21.4	22.7
4H	38.7	39.5	39.6	40.5	41.8	19.4	20.3	20.4	21.2	22.5
6H	42.1	42.9	43.0	43.9	45.2	19.3	20.0	20.2	21.0	22.3
8H	43.9	44.6	44.9	45.6	46.9	19.2	19.9	20.2	20.9	22.2
12H	45.9	46.6	46.9	47.6	48.9	19.1	19.8	20.1	20.8	22.1
X=8H Y=4H	38.7	39.4	39.7	40.4	41.7	28.9	29.6	29.9	30.6	31.9
6H	42.4	43.0	43.4	44.1	45.4	29.1	29.7	30.1	30.7	32.0
8H	44.5	45.1	45.5	46.1	47.4	29.0	29.6	30.0	30.6	31.9
12H	46.8	47.3	47.8	48.4	49.7	28.9	29.5	29.9	30.5	31.8
X=12H Y=4H	38.6	39.3	39.6	40.3	41.6	31.6	32.2	32.5	33.2	34.6
6H	42.4	43.0	43.4	44.0	45.3	32.5	33.0	33.5	34.1	35.4
8H	44.6	45.1	45.6	46.1	47.5	32.6	33.2	33.6	34.2	35.5
Variations with the observer position at spacings:										
S=1.0H	+0.5/-0.6					+0.2/-0.1				
S=1.5H	+0.8/-1.1					+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 1652lm (8log(F/F0) = 1.7).

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	0.0	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G16.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G17.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G18.0	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G19.0	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G20.0	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G21.0	1.6	0.7	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
G22.0	2.0	0.9	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0
G23.0	2.3	1.2	0.0	0.0	0.0	0.5	0.5	0.1	0.0	0.0
G24.0	2.6	1.3	0.0	0.0	0.0	0.6	0.8	0.2	0.0	0.0
G25.0	3.0	1.6	0.0	0.0	0.0	0.9	0.9	0.4	0.0	0.0
G26.0	3.4	1.9	0.0	0.0	0.0	1.1	1.2	0.6	0.0	0.0
G27.0	3.8	2.1	0.0	0.0	0.0	1.3	1.5	0.8	0.0	0.0
G28.0	4.3	2.5	0.0	0.0	0.0	1.5	1.8	1.0	0.0	0.0
G29.0	4.8	2.8	0.0	0.0	0.0	1.9	2.1	1.2	0.0	0.0
G30.0	5.3	3.1	0.0	0.0	0.0	2.1	2.5	1.4	0.0	0.0
G31.0	6.0	3.4	0.0	0.0	0.0	2.5	2.8	1.7	0.0	0.0
G32.0	6.6	3.8	0.1	0.0	0.0	2.7	3.1	1.9	0.0	0.0
G33.0	7.3	4.2	0.1	0.0	0.0	3.0	3.5	2.1	0.0	0.0
G34.0	8.2	4.5	0.2	0.0	0.0	3.4	4.0	2.5	0.0	0.0
G35.0	9.1	4.9	0.3	0.0	0.0	3.8	4.4	2.8	0.0	0.0
G36.0	10.1	5.4	0.4	0.0	0.0	4.2	4.9	3.0	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 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	11.2	5.9	0.4	0.0	0.2	4.4	5.4	3.3	0.0	0.0
G38.0	12.5	6.4	0.6	0.0	0.2	4.9	6.0	3.7	0.0	0.0
G39.0	14.0	7.0	0.6	0.0	0.3	5.3	6.6	4.0	0.0	0.0
G40.0	15.6	7.7	0.8	0.0	0.4	5.8	7.4	4.4	0.1	0.0
G41.0	17.2	8.3	0.8	0.0	0.5	6.4	8.2	4.7	0.2	0.0
G42.0	19.5	8.9	0.9	0.0	0.6	7.0	9.3	5.1	0.3	0.0
G43.0	23.8	9.8	1.0	0.0	0.7	7.5	10.5	5.6	0.4	0.0
G44.0	29.2	10.5	1.1	0.0	0.8	8.1	11.9	5.9	0.5	0.0
G45.0	36.3	11.5	1.2	0.0	0.8	8.8	13.9	6.4	0.6	0.0
G46.0	53.9	12.6	1.3	0.0	0.9	9.6	18.9	7.0	0.6	0.0
G47.0	73.3	13.6	1.5	0.0	0.9	10.5	24.3	7.4	0.7	0.0
G48.0	98.7	14.8	1.5	0.0	1.1	11.4	35.3	8.0	0.7	0.0
G49.0	132.4	15.9	1.6	0.0	1.2	12.4	56.6	8.7	0.9	0.0
G50.0	170.2	17.3	1.7	0.0	1.4	13.6	75.7	9.5	1.0	0.0
G51.0	219.5	18.9	1.8	0.0	1.4	15.0	103.8	10.3	1.1	0.0
G52.0	261.9	21.3	1.9	0.0	1.4	16.4	141.4	11.1	1.1	0.0
G53.0	301.6	24.8	2.0	0.0	1.6	18.0	188.8	12.2	1.2	0.0
G54.0	336.5	28.9	2.1	0.0	1.7	21.3	235.9	13.4	1.3	0.0
G55.0	368.4	33.2	2.1	0.0	1.8	25.6	279.8	15.4	1.5	0.0
G56.0	409.8	40.4	2.2	0.0	2.0	30.4	320.9	19.2	1.5	0.0
G57.0	442.5	52.2	2.4	0.0	2.0	37.1	351.9	22.9	1.6	0.0
G58.0	474.5	64.0	2.5	0.0	2.1	47.4	388.1	27.6	1.7	0.0
G59.0	510.6	76.0	2.6	0.0	2.2	62.0	429.4	35.2	1.8	0.0
G60.0	533.4	91.6	2.7	0.0	2.3	74.7	460.2	48.2	1.9	0.0
G61.0	556.3	113.4	2.8	0.0	2.4	91.3	497.7	63.2	2.0	0.0
G62.0	582.1	139.0	2.8	0.0	2.5	115.9	524.4	76.2	2.1	0.0
G63.0	605.8	164.3	2.9	0.0	2.7	139.9	549.1	91.8	2.1	0.0
G64.0	633.6	190.9	3.0	0.0	2.8	168.8	577.4	112.8	2.2	0.0
G65.0	662.9	217.4	3.1	0.0	2.9	196.1	601.8	136.2	2.4	0.0
G66.0	690.8	240.9	3.2	0.0	3.0	222.9	626.4	158.4	2.3	0.0
G67.0	720.4	267.4	3.3	0.0	3.0	250.4	656.4	185.5	2.5	0.0
G68.0	742.3	289.9	3.3	0.0	3.1	276.2	686.2	212.4	2.6	0.0
G69.0	763.2	312.5	3.5	0.0	3.2	301.2	721.0	239.4	2.7	0.0
G70.0	779.2	330.5	3.5	0.0	3.2	322.2	748.1	263.6	2.7	0.0
G71.0	793.3	345.1	3.6	0.0	3.3	338.1	774.0	286.8	2.8	0.0
G72.0	806.6	360.1	3.7	0.0	3.4	354.4	799.4	308.9	2.9	0.0
G73.0	818.1	374.6	3.7	0.0	3.5	369.2	819.5	325.6	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	831.4	388.1	3.8	0.0	3.6	384.1	839.8	340.4	3.1	0.0
G75.0	845.8	402.8	3.8	0.0	3.7	399.6	854.5	354.7	3.1	0.0
G76.0	860.4	415.0	3.9	0.0	3.7	414.3	868.0	368.6	3.1	0.0
G77.0	873.9	427.3	3.9	0.0	3.8	426.5	883.8	384.1	3.2	0.0
G78.0	884.5	436.8	4.0	0.0	3.8	436.0	899.6	397.5	3.3	0.0
G79.0	895.4	445.7	4.0	0.0	3.9	444.5	914.5	410.4	3.4	0.0
G80.0	906.6	454.9	4.0	0.0	3.8	452.8	928.5	424.5	3.4	0.0
G81.0	919.2	462.4	4.0	0.0	4.0	460.0	940.5	433.7	3.4	0.0
G82.0	932.0	469.4	4.1	0.0	4.1	468.3	953.7	442.2	3.4	0.0
G83.0	946.8	476.8	4.0	0.0	4.1	477.2	963.7	448.9	3.5	0.0
G84.0	957.1	483.6	4.2	0.0	4.1	483.9	975.7	454.7	3.6	0.0
G85.0	966.7	489.6	4.2	0.0	4.1	487.9	985.4	460.1	3.6	0.0
G86.0	974.3	493.4	4.1	0.0	4.1	490.7	993.9	464.6	3.6	0.0
G87.0	980.5	497.3	4.1	0.0	4.2	493.0	1001.0	469.3	3.6	0.0
G88.0	985.5	499.4	4.2	0.0	4.2	495.1	1008.7	473.5	3.6	0.0
G89.0	988.1	499.5	4.2	0.0	4.2	495.6	1013.6	476.5	3.6	0.0
G90.0	989.7	499.1	4.2	0.0	4.2	495.9	1016.0	477.9	3.7	0.0
G91.0	987.4	497.4	4.1	0.0	4.2	496.6	1016.5	478.0	3.7	0.0
G92.0	983.8	494.1	4.2	0.0	4.2	495.3	1013.8	477.7	3.6	0.0
G93.0	976.3	489.3	4.1	0.0	4.2	493.4	1010.3	476.1	3.6	0.0
G94.0	966.7	483.8	4.1	0.0	4.2	491.8	1005.3	474.1	3.5	0.0
G95.0	955.0	476.4	4.0	0.0	4.1	488.8	1000.4	471.6	3.6	0.0
G96.0	940.0	468.4	4.0	0.0	4.2	485.2	994.8	467.9	3.5	0.0
G97.0	927.1	461.0	3.9	0.0	4.1	481.1	988.2	462.8	3.6	0.0
G98.0	915.0	453.0	3.9	0.0	4.1	475.8	979.4	456.7	3.6	0.0
G99.0	901.5	443.0	3.8	0.0	4.0	467.4	970.5	451.4	3.5	0.0
G100.0	890.1	432.4	3.8	0.0	3.9	458.7	960.8	445.7	3.5	0.0
G101.0	874.9	418.8	3.7	0.0	4.0	450.4	949.8	437.9	3.4	0.0
G102.0	860.7	405.9	3.7	0.0	3.9	442.0	938.2	430.1	3.5	0.0
G103.0	848.0	392.0	3.6	0.0	3.8	432.8	926.8	420.6	3.4	0.0
G104.0	835.1	375.5	3.6	0.0	3.8	421.8	911.9	408.7	3.3	0.0
G105.0	825.7	360.7	3.5	0.0	3.7	408.9	896.9	395.9	3.3	0.0
G106.0	816.8	346.7	3.3	0.0	3.7	394.0	877.7	381.4	3.1	0.0
G107.0	805.1	331.4	3.3	0.0	3.6	376.2	860.4	367.4	3.1	0.0
G108.0	792.0	316.0	3.3	0.0	3.5	361.1	840.2	354.2	3.1	0.0
G109.0	652.8	294.7	3.2	0.0	3.4	344.6	818.0	338.5	3.0	0.0
G110.0	384.1	273.9	3.1	0.0	3.4	329.6	796.0	323.7	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	273.0	250.3	3.0	0.0	3.3	314.2	774.5	306.0	2.9	0.0
G112.0	181.4	224.0	2.9	0.0	3.2	294.0	696.3	284.0	2.8	0.0
G113.0	114.6	198.1	2.9	0.0	3.1	272.8	528.5	261.0	2.8	0.0
G114.0	91.3	170.6	2.7	0.0	3.1	246.1	285.3	234.6	2.6	0.0
G115.0	83.4	145.7	2.6	0.0	2.9	220.5	203.8	210.4	2.6	0.0
G116.0	76.6	122.5	2.6	0.0	2.8	192.4	133.9	185.1	2.5	0.0
G117.0	69.7	101.6	2.4	0.0	2.7	165.4	97.0	158.2	2.3	0.0
G118.0	63.0	84.4	2.4	0.0	2.6	139.8	89.2	132.9	2.4	0.0
G119.0	57.1	71.3	2.3	0.0	2.6	115.3	80.8	106.8	2.3	0.0
G120.0	51.1	57.7	2.1	0.0	2.4	92.9	73.8	85.4	2.1	0.0
G121.0	45.9	43.8	2.1	0.0	2.3	76.8	66.8	69.7	2.1	0.0
G122.0	39.8	34.0	2.0	0.0	2.2	62.6	60.6	56.2	2.0	0.0
G123.0	34.4	28.6	1.8	0.0	2.0	47.5	55.0	44.4	1.8	0.0
G124.0	29.1	25.1	1.8	0.0	1.9	36.0	49.2	33.5	1.8	0.0
G125.0	23.7	20.9	1.7	0.0	1.8	29.4	43.0	26.9	1.6	0.0
G126.0	19.4	18.0	1.6	0.0	1.7	24.9	37.8	22.4	1.6	0.0
G127.0	15.7	16.5	1.5	0.0	1.5	21.0	32.3	18.9	1.5	0.0
G128.0	12.1	15.3	1.4	0.0	1.4	17.4	27.7	15.7	1.4	0.0
G129.0	9.4	14.3	1.3	0.0	1.2	15.7	23.2	13.4	1.4	0.0
G130.0	7.1	13.1	1.1	0.0	1.2	14.3	18.9	12.2	1.3	0.0
G131.0	5.5	12.1	1.1	0.0	1.0	13.2	15.4	11.2	1.2	0.0
G132.0	4.2	11.2	1.0	0.0	0.8	12.2	12.5	10.2	1.1	0.0
G133.0	3.1	10.2	0.9	0.0	0.8	10.9	9.8	9.4	1.0	0.0
G134.0	2.3	9.4	0.9	0.0	0.6	10.1	7.5	8.6	0.9	0.0
G135.0	1.8	8.7	0.8	0.0	0.4	9.2	5.7	7.8	0.8	0.0
G136.0	1.4	8.0	0.6	0.0	0.2	8.4	4.3	7.3	0.7	0.0
G137.0	1.1	7.4	0.5	0.0	0.1	7.7	3.3	6.7	0.6	0.0
G138.0	0.8	6.7	0.5	0.0	0.0	7.0	2.6	6.2	0.5	0.0
G139.0	0.6	6.2	0.4	0.0	0.0	6.3	2.0	5.7	0.4	0.0
G140.0	0.5	5.7	0.3	0.0	0.0	5.7	1.5	5.3	0.4	0.0
G141.0	0.2	5.2	0.1	0.0	0.0	5.2	1.0	4.8	0.3	0.0
G142.0	0.1	4.8	0.1	0.0	0.0	4.7	0.7	4.5	0.2	0.0
G143.0	0.0	4.4	0.0	0.0	0.0	4.2	0.4	4.0	0.1	0.0
G144.0	0.0	3.9	0.0	0.0	0.0	3.7	0.2	3.7	0.0	0.0
G145.0	0.0	3.6	0.0	0.0	0.0	3.0	0.0	3.3	0.0	0.0
G146.0	0.0	3.2	0.0	0.0	0.0	2.5	0.0	3.0	0.0	0.0
G147.0	0.0	2.9	0.0	0.0	0.0	2.0	0.0	2.7	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	2.7	0.0	0.0	0.0	1.5	0.0	2.4	0.0	0.0
G149.0	0.0	2.2	0.0	0.0	0.0	0.9	0.0	2.1	0.0	0.0
G150.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	1.8	0.0	0.0
G151.0	0.0	1.8	0.0	0.0	0.0	0.2	0.0	1.5	0.0	0.0
G152.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
G153.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
G154.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
G155.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
G156.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
G157.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
G158.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G159.0	0.0	0.1	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	0.1							
G16.0	0.0	0.0	0.3							
G17.0	0.0	0.0	0.6							
G18.0	0.0	0.0	0.8							
G19.0	0.0	0.2	1.1							
G20.0	0.0	0.3	1.4							
G21.0	0.0	0.6	1.6							
G22.0	0.0	0.8	2.0							
G23.0	0.0	1.1	2.3							
G24.0	0.0	1.3	2.6							
G25.0	0.0	1.5	3.0							
G26.0	0.0	1.7	3.4							
G27.0	0.0	2.1	3.8							
G28.0	0.0	2.4	4.3							
G29.0	0.0	2.7	4.8							
G30.0	0.0	3.0	5.3							
G31.0	0.0	3.3	6.0							
G32.0	0.0	3.6	6.6							
G33.0	0.1	4.1	7.3							
G34.0	0.2	4.4	8.2							
G35.0	0.2	4.9	9.1							
G36.0	0.4	5.3	10.1							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	0.5	5.8	11.2							
G38.0	0.6	6.3	12.5							
G39.0	0.7	6.8	14.0							
G40.0	0.8	7.5	15.6							
G41.0	0.9	8.2	17.2							
G42.0	0.9	8.9	19.5							
G43.0	1.1	9.7	23.8							
G44.0	1.2	10.5	29.2							
G45.0	1.3	11.5	36.3							
G46.0	1.4	12.4	53.9							
G47.0	1.5	13.7	73.3							
G48.0	1.6	14.8	98.7							
G49.0	1.6	16.1	132.4							
G50.0	1.8	17.5	170.2							
G51.0	2.0	19.1	219.5							
G52.0	2.1	21.4	261.9							
G53.0	2.2	25.5	301.6							
G54.0	2.3	29.5	336.5							
G55.0	2.4	34.2	368.4							
G56.0	2.5	42.4	409.8							
G57.0	2.7	56.3	442.5							
G58.0	2.7	69.7	474.5							
G59.0	2.8	84.0	510.6							
G60.0	2.9	102.1	533.4							
G61.0	3.0	124.0	556.3							
G62.0	3.1	148.2	582.1							
G63.0	3.2	173.7	605.8							
G64.0	3.3	202.6	633.6							
G65.0	3.3	230.5	662.9							
G66.0	3.5	255.6	690.8							
G67.0	3.6	282.0	720.4							
G68.0	3.7	303.8	742.3							
G69.0	3.7	322.3	763.2							
G70.0	3.8	336.9	779.2							
G71.0	3.9	351.6	793.3							
G72.0	4.0	368.8	806.6							
G73.0	4.0	385.6	818.1							

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	4.1	403.6	831.4							
G75.0	4.2	418.9	845.8							
G76.0	4.3	431.4	860.4							
G77.0	4.3	443.2	873.9							
G78.0	4.4	454.4	884.5							
G79.0	4.4	465.6	895.4							
G80.0	4.4	480.6	906.6							
G81.0	4.5	491.8	919.2							
G82.0	4.5	502.8	932.0							
G83.0	4.5	508.5	946.8							
G84.0	4.6	513.6	957.1							
G85.0	4.6	517.7	966.7							
G86.0	4.6	520.7	974.3							
G87.0	4.6	523.3	980.5							
G88.0	4.6	524.8	985.5							
G89.0	4.6	525.7	988.1							
G90.0	4.6	526.0	989.7							
G91.0	4.6	525.7	987.4							
G92.0	4.6	524.3	983.8							
G93.0	4.5	522.6	976.3							
G94.0	4.5	520.3	966.7							
G95.0	4.5	516.9	955.0							
G96.0	4.5	513.2	940.0							
G97.0	4.4	507.2	927.1							
G98.0	4.4	499.3	915.0							
G99.0	4.3	489.4	901.5							
G100.0	4.2	477.4	890.1							
G101.0	4.2	463.3	874.9							
G102.0	4.1	452.1	860.7							
G103.0	4.0	440.2	848.0							
G104.0	4.0	427.8	835.1							
G105.0	3.9	413.9	825.7							
G106.0	3.8	398.4	816.8							
G107.0	3.8	382.0	805.1							
G108.0	3.7	365.1	792.0							
G109.0	3.6	348.0	652.8							
G110.0	3.5	332.5	384.1							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	3.4	316.8	273.0							
G112.0	3.3	294.8	181.4							
G113.0	3.3	272.6	114.6							
G114.0	3.1	245.3	91.3							
G115.0	3.0	219.8	83.4							
G116.0	3.0	192.8	76.6							
G117.0	2.8	163.0	69.7							
G118.0	2.7	137.6	63.0							
G119.0	2.7	110.6	57.1							
G120.0	2.6	87.8	51.1							
G121.0	2.5	71.6	45.9							
G122.0	2.3	59.0	39.8							
G123.0	2.1	47.3	34.4							
G124.0	2.1	35.6	29.1							
G125.0	1.9	29.0	23.7							
G126.0	1.9	24.6	19.4							
G127.0	1.8	20.7	15.7							
G128.0	1.6	17.5	12.1							
G129.0	1.5	16.0	9.4							
G130.0	1.4	14.7	7.1							
G131.0	1.2	13.8	5.5							
G132.0	1.2	12.7	4.2							
G133.0	1.1	11.6	3.1							
G134.0	1.0	10.7	2.3							
G135.0	0.8	9.8	1.8							
G136.0	0.8	9.1	1.4							
G137.0	0.7	8.4	1.1							
G138.0	0.6	7.7	0.8							
G139.0	0.5	7.1	0.6							
G140.0	0.5	6.5	0.5							
G141.0	0.4	6.0	0.2							
G142.0	0.2	5.6	0.1							
G143.0	0.1	5.0	0.0							
G144.0	0.0	4.6	0.0							
G145.0	0.0	4.2	0.0							
G146.0	0.0	3.8	0.0							
G147.0	0.0	3.4	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:

HAVIT COMMERCIAL
http://www.havitcommercial.com.au
Tel: 02 9381 8383
E-mail:sales@havitcommercial.com.au

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	0.0	3.1	0.0							
G149.0	0.0	2.8	0.0							
G150.0	0.0	2.5	0.0							
G151.0	0.0	2.2	0.0							
G152.0	0.0	1.9	0.0							
G153.0	0.0	1.7	0.0							
G154.0	0.0	1.3	0.0							
G155.0	0.0	1.1	0.0							
G156.0	0.0	0.9	0.0							
G157.0	0.0	0.8	0.0							
G158.0	0.0	0.5	0.0							
G159.0	0.0	0.3	0.0							
G160.0	0.0	0.2	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: