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 10:03

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212160,HCP213160(3000K)
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: 0.949

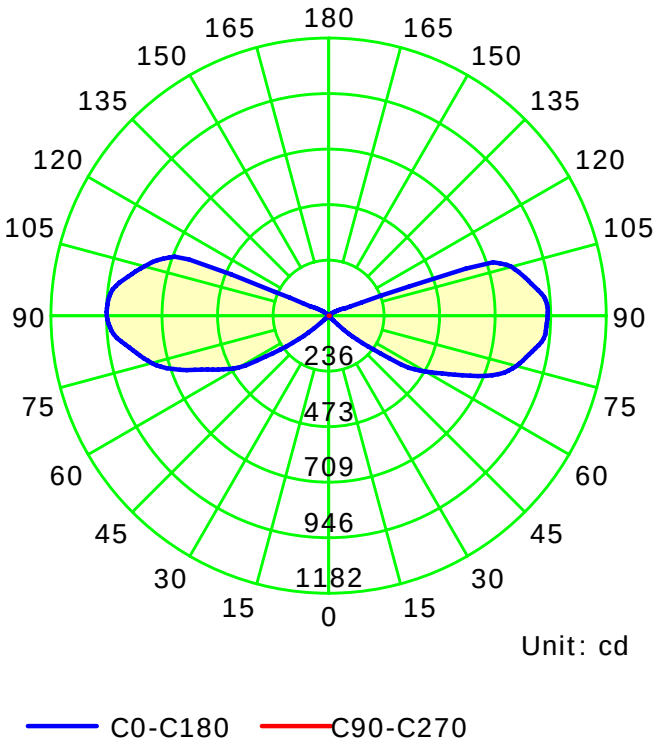
Photometric Results

CIE Class: General Diffuse Total Rated Lamp Lumens: 1527.9 lm
Measurement Flux: 1527.9 lm Efficiency: 100%
Downward Ratio: 53% Upward Ratio: 47%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 230.2, 360.0, 244.9, 247.0
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 222.5, 360.0, 223.7, 226.0
Luminaire Efficacy Rating (LER): 91.76 Central Intensity: 0 cd
Max. Intensity: 946.29 cd Pos of Max. Intensity: H180 V91
S/MH(C0/C180): -798.73 S/MH(C90/C270): -1.#J

Picture Of Luminaire



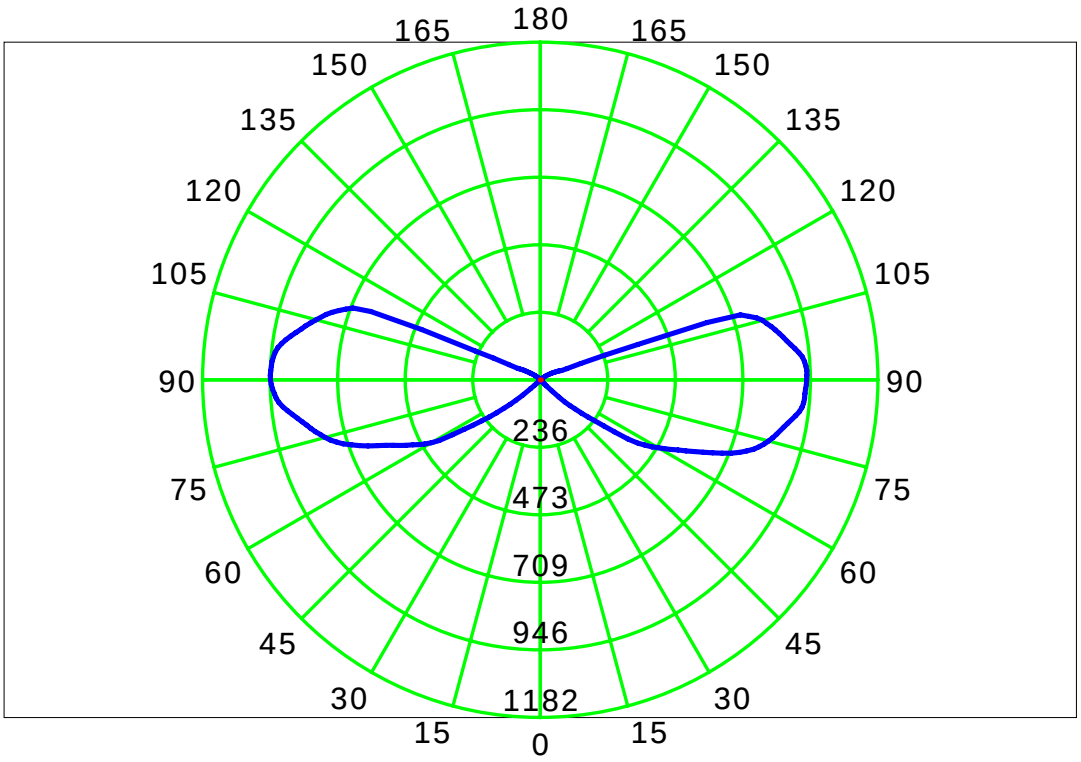
Luminous Intensity Distribution Curve

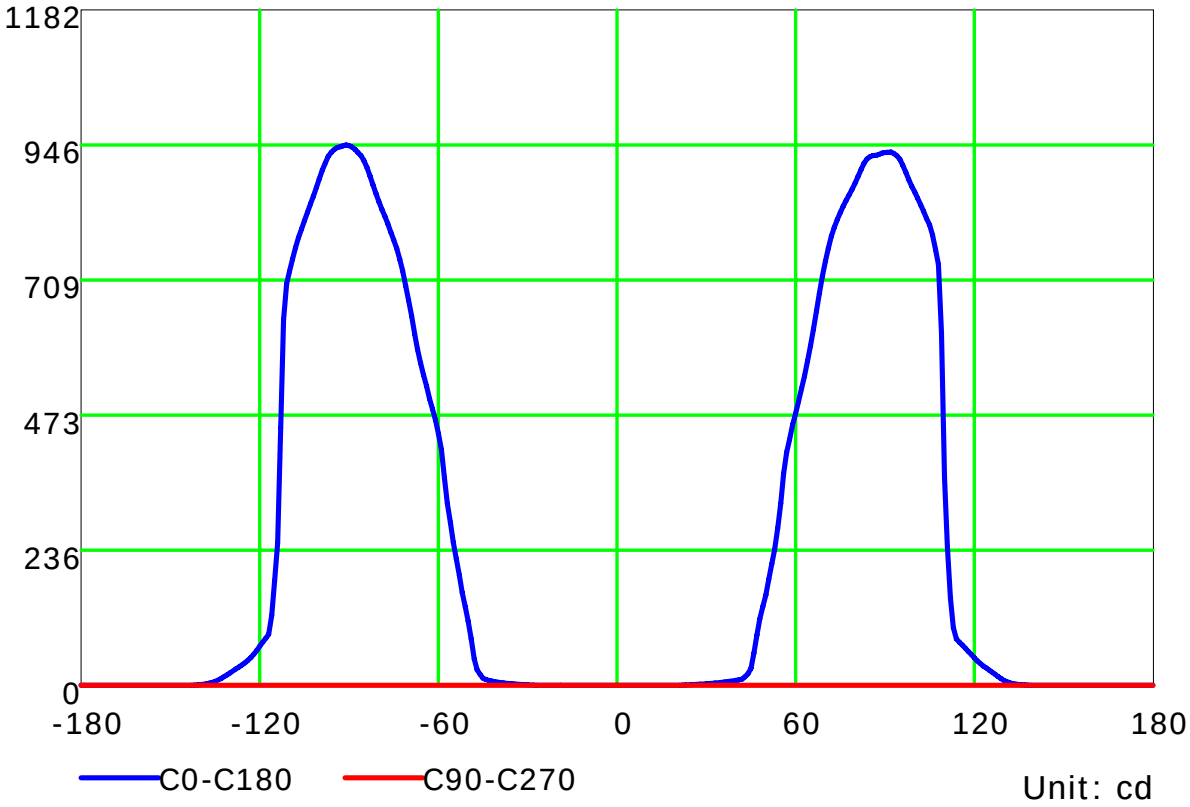


Unit: cd

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:

Luminous Intensity Distribution Curve



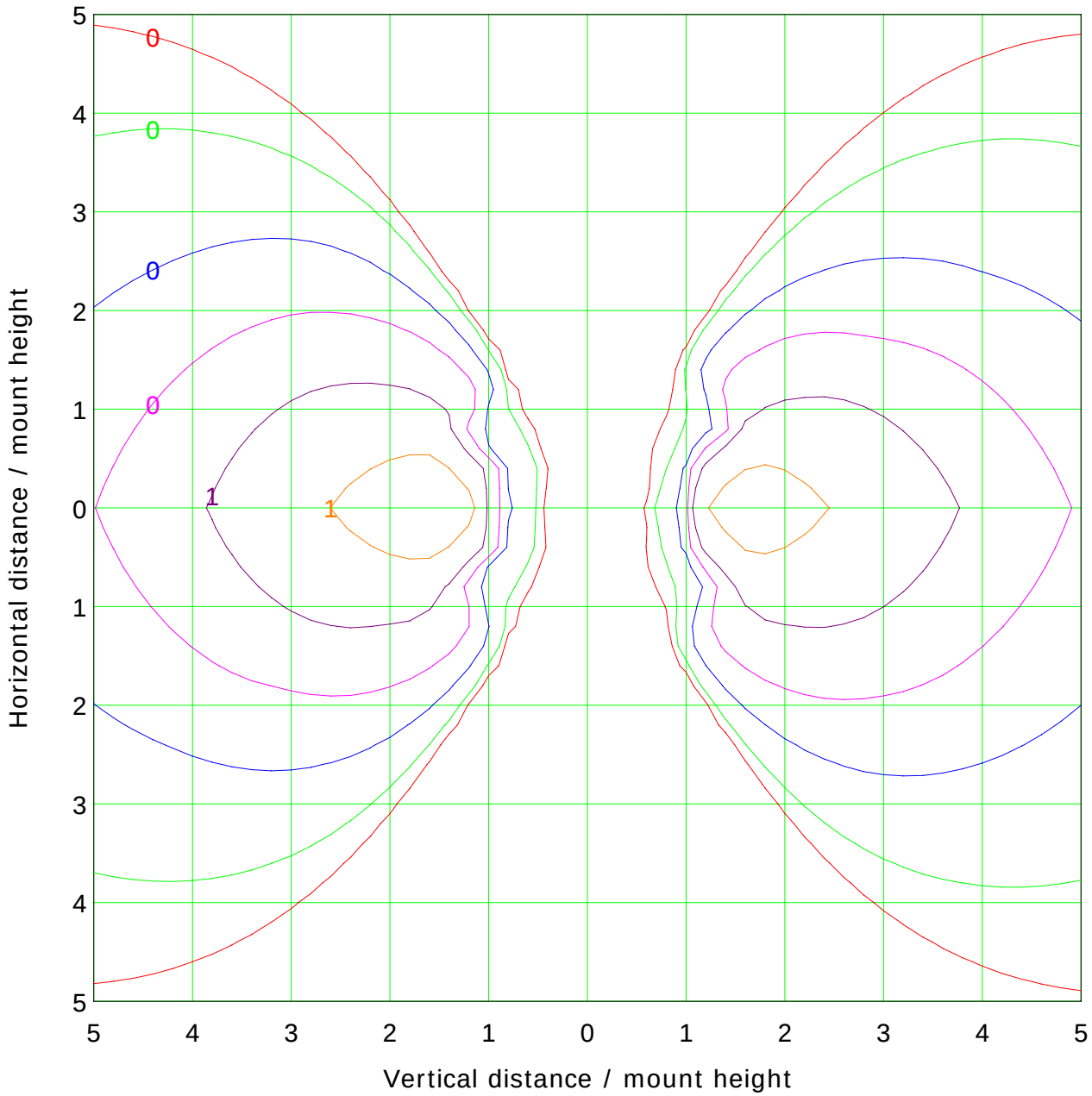


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IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.6 lx

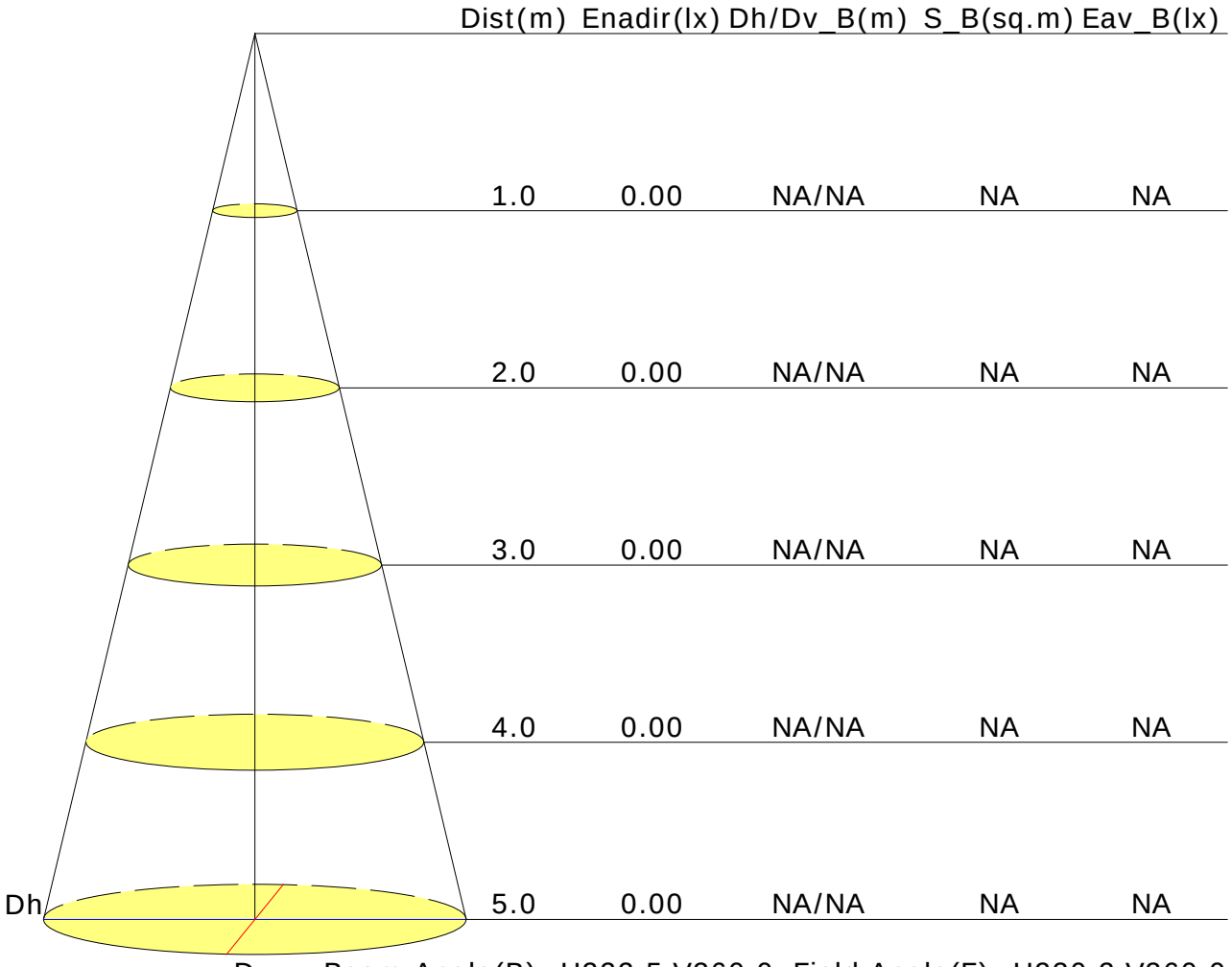
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.1 lx	(10%): 0.3 lx
(20%): 0.5 lx	(50%): 1.3 lx
(100%): 2.6 lx	

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:

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	28.8	28.5	29.7	30.9	-3.9	-2.7	-3.0	-1.8	-0.6
3H	34.7	35.8	35.6	36.7	38.0	-3.4	-2.4	-2.5	-1.4	-0.2
4H	38.0	39.1	38.9	40.0	41.2	-3.0	-2.0	-2.1	-1.1	0.2
6H	41.2	42.2	42.1	43.1	44.4	-2.7	-1.7	-1.7	-0.7	0.5
8H	42.9	43.8	43.8	44.8	46.0	-2.5	-1.6	-1.6	-0.6	0.7
12H	44.6	45.5	45.6	46.5	47.8	-2.4	-1.5	-1.4	-0.5	0.8
X=4H Y=2H	27.6	28.6	28.5	29.5	30.8	18.3	19.3	19.2	20.2	21.5
3H	34.9	35.8	35.8	36.8	38.1	18.9	19.8	19.8	20.7	22.0
4H	38.5	39.4	39.5	40.3	41.6	18.7	19.5	19.7	20.5	21.8
6H	42.0	42.8	43.0	43.8	45.1	18.6	19.3	19.5	20.3	21.6
8H	43.9	44.6	44.8	45.6	46.9	18.5	19.2	19.4	20.2	21.5
12H	45.9	46.5	46.8	47.5	48.9	18.4	19.1	19.4	20.1	21.4
X=8H Y=4H	38.5	39.3	39.5	40.3	41.6	28.5	29.2	29.4	30.2	31.5
6H	42.3	42.9	43.3	44.0	45.3	28.7	29.3	29.6	30.3	31.6
8H	44.4	44.9	45.4	46.0	47.3	28.6	29.2	29.6	30.2	31.5
12H	46.7	47.2	47.7	48.2	49.6	28.5	29.0	29.5	30.1	31.4
X=12H Y=4H	38.5	39.1	39.4	40.1	41.5	31.2	31.8	32.2	32.9	34.2
6H	42.3	42.9	43.3	43.9	45.2	32.1	32.6	33.1	33.7	35.0
8H	44.4	45.0	45.4	46.0	47.3	32.2	32.7	33.2	33.8	35.1
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 1528lm (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:

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G20.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G21.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G22.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G23.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G24.0	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G25.0	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G26.0	1.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G27.0	1.8	1.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
G28.0	2.1	1.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
G29.0	2.4	1.5	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.0
G30.0	2.8	1.8	0.0	0.0	0.0	0.3	0.9	0.0	0.0	0.0
G31.0	3.1	2.1	0.0	0.0	0.0	0.4	1.2	0.1	0.0	0.0
G32.0	3.6	2.5	0.0	0.0	0.0	0.6	1.6	0.2	0.0	0.0
G33.0	4.1	2.6	0.0	0.0	0.0	0.8	1.9	0.4	0.0	0.0
G34.0	4.5	3.0	0.0	0.0	0.0	1.1	2.2	0.6	0.0	0.0
G35.0	5.2	3.3	0.0	0.0	0.0	1.3	2.6	0.9	0.0	0.0
G36.0	5.6	3.6	0.0	0.0	0.0	1.5	3.1	1.1	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	6.3	4.0	0.0	0.0	0.0	1.8	3.6	1.3	0.0	0.0
G38.0	7.1	4.4	0.0	0.0	0.0	2.0	4.0	1.5	0.0	0.0
G39.0	7.9	4.7	0.1	0.0	0.0	2.3	4.6	1.9	0.0	0.0
G40.0	8.8	5.2	0.1	0.0	0.0	2.6	5.5	2.1	0.0	0.0
G41.0	9.6	5.6	0.2	0.0	0.0	3.0	6.2	2.4	0.0	0.0
G42.0	10.8	6.1	0.3	0.0	0.0	3.3	7.3	2.7	0.0	0.0
G43.0	14.9	6.6	0.4	0.0	0.0	3.7	8.7	3.0	0.0	0.0
G44.0	20.2	7.1	0.5	0.0	0.0	4.2	10.1	3.5	0.0	0.0
G45.0	29.8	7.7	0.5	0.0	0.0	4.6	12.6	3.9	0.0	0.0
G46.0	56.2	8.3	0.6	0.0	0.0	5.2	19.3	4.3	0.0	0.0
G47.0	88.2	9.0	0.7	0.0	0.0	5.7	27.4	4.7	0.0	0.0
G48.0	116.6	9.8	0.7	0.0	0.0	6.5	46.3	5.3	0.0	0.0
G49.0	137.9	10.5	0.9	0.0	0.0	7.2	81.6	5.9	0.0	0.0
G50.0	158.5	11.1	0.9	0.0	0.0	8.1	112.4	6.8	0.0	0.0
G51.0	185.6	12.1	0.9	0.0	0.0	9.2	137.6	7.7	0.0	0.0
G52.0	213.0	14.1	1.1	0.0	0.0	10.3	162.4	8.5	0.0	0.0
G53.0	238.4	17.9	1.2	0.0	0.0	11.8	193.1	9.7	0.0	0.0
G54.0	275.3	21.9	1.3	0.0	0.0	15.5	221.6	11.0	0.0	0.0
G55.0	318.8	27.1	1.4	0.0	0.0	20.7	251.1	13.5	0.0	0.0
G56.0	371.1	37.6	1.5	0.0	0.0	26.8	285.6	18.5	0.0	0.0
G57.0	408.5	55.3	1.5	0.0	0.0	36.5	318.7	23.3	0.0	0.0
G58.0	430.7	73.9	1.6	0.0	0.0	52.9	363.2	30.7	0.0	0.0
G59.0	456.6	92.1	1.8	0.0	0.1	76.5	413.0	43.0	0.0	0.0
G60.0	476.5	107.6	1.8	0.0	0.1	97.2	441.3	64.5	0.0	0.0
G61.0	497.4	123.3	1.8	0.0	0.1	114.9	464.7	90.9	0.0	0.0
G62.0	520.0	140.5	1.9	0.0	0.3	134.1	484.2	110.9	0.0	0.0
G63.0	541.3	155.0	2.0	0.0	0.3	151.6	501.8	129.0	0.1	0.0
G64.0	567.9	172.0	2.1	0.0	0.4	169.0	524.2	147.7	0.1	0.0
G65.0	595.3	187.4	2.2	0.0	0.4	186.4	544.0	163.8	0.2	0.0
G66.0	623.6	202.2	2.3	0.0	0.5	203.5	564.3	175.9	0.4	0.0
G67.0	655.6	218.6	2.3	0.0	0.6	221.5	588.1	191.7	0.4	0.0
G68.0	686.4	234.7	2.3	0.0	0.7	238.9	615.3	207.3	0.4	0.0
G69.0	716.6	252.2	2.5	0.0	0.6	258.8	647.1	224.3	0.5	0.0
G70.0	742.8	269.0	2.5	0.0	0.7	276.0	674.1	240.7	0.5	0.0
G71.0	765.3	286.2	2.6	0.0	0.8	295.0	699.4	255.8	0.5	0.0
G72.0	786.7	306.1	2.6	0.0	0.9	315.8	725.8	271.8	0.6	0.0
G73.0	801.8	323.1	2.7	0.0	0.9	335.5	746.1	285.4	0.6	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 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	815.7	341.2	2.8	0.0	0.9	354.6	765.2	302.2	0.7	0.0
G75.0	828.0	359.1	2.8	0.0	1.0	376.1	780.3	317.9	0.6	0.0
G76.0	839.2	375.2	2.8	0.0	1.0	393.7	793.6	334.5	0.8	0.0
G77.0	849.7	389.3	2.9	0.0	1.0	408.9	808.5	353.1	0.9	0.0
G78.0	858.8	399.7	2.9	0.0	1.0	419.5	821.5	369.8	0.9	0.0
G79.0	869.2	407.9	2.9	0.0	1.0	427.3	833.6	386.5	0.9	0.0
G80.0	880.0	415.5	2.9	0.0	1.1	434.5	847.4	402.7	0.9	0.0
G81.0	891.4	420.2	3.0	0.0	1.2	440.3	861.4	413.3	1.0	0.0
G82.0	903.4	424.4	3.0	0.0	1.2	446.5	876.8	421.6	1.0	0.0
G83.0	914.5	427.8	3.0	0.0	1.2	452.5	892.0	427.2	1.0	0.0
G84.0	921.9	430.9	3.1	0.0	1.2	457.9	906.9	431.8	1.0	0.0
G85.0	926.0	433.6	3.0	0.0	1.3	462.3	919.1	435.2	1.1	0.0
G86.0	928.0	435.4	3.0	0.0	1.3	464.9	927.7	438.0	1.1	0.0
G87.0	928.3	437.3	3.1	0.0	1.2	466.4	932.9	441.1	1.1	0.0
G88.0	929.9	438.3	3.0	0.0	1.3	468.5	938.7	443.7	1.1	0.0
G89.0	932.0	438.6	3.0	0.0	1.3	468.8	942.7	446.3	1.2	0.0
G90.0	933.2	438.8	3.0	0.0	1.3	468.6	945.4	446.9	1.2	0.0
G91.0	933.6	438.3	3.0	0.0	1.3	468.6	946.3	446.8	1.1	0.0
G92.0	934.2	436.7	3.0	0.0	1.3	467.2	944.9	446.9	1.1	0.0
G93.0	931.6	435.0	3.0	0.0	1.2	464.5	943.3	445.6	1.1	0.0
G94.0	927.6	432.7	2.9	0.0	1.3	462.6	941.9	444.2	1.0	0.0
G95.0	921.4	429.1	2.9	0.0	1.3	459.3	938.3	443.0	1.2	0.0
G96.0	910.9	424.6	3.0	0.0	1.3	455.2	933.5	440.3	1.2	0.0
G97.0	898.6	419.4	2.9	0.0	1.2	450.8	926.7	436.6	1.0	0.0
G98.0	886.1	414.1	2.9	0.0	1.3	446.1	915.1	432.0	1.1	0.0
G99.0	874.1	405.5	2.9	0.0	1.2	440.3	902.3	428.4	1.0	0.0
G100.0	863.9	395.4	2.8	0.0	1.1	434.2	887.0	423.8	0.9	0.0
G101.0	853.1	381.3	2.8	0.0	1.2	427.8	871.8	417.3	1.0	0.0
G102.0	841.5	364.5	2.7	0.0	1.2	421.2	856.4	409.5	1.0	0.0
G103.0	830.5	347.2	2.7	0.0	1.1	412.8	843.3	399.9	1.0	0.0
G104.0	817.5	327.1	2.5	0.0	1.1	401.4	828.2	386.3	0.9	0.0
G105.0	806.4	309.9	2.5	0.0	0.9	386.5	813.6	371.8	0.9	0.0
G106.0	788.9	291.6	2.5	0.0	1.0	367.9	798.9	353.4	0.9	0.0
G107.0	763.1	273.8	2.4	0.0	0.9	345.7	784.3	337.0	0.8	0.0
G108.0	737.1	257.4	2.3	0.0	0.9	327.0	767.1	319.9	0.8	0.0
G109.0	617.5	240.5	2.3	0.0	0.8	305.3	746.5	301.5	0.8	0.0
G110.0	363.7	224.5	2.2	0.0	0.8	286.9	725.1	284.0	0.7	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 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	241.9	209.4	2.1	0.0	0.7	269.7	703.2	267.4	0.6	0.0
G112.0	152.7	192.0	2.1	0.0	0.8	252.4	640.5	249.8	0.5	0.0
G113.0	101.3	177.1	2.0	0.0	0.7	236.9	451.0	232.8	0.6	0.0
G114.0	81.3	161.3	1.9	0.0	0.5	219.7	249.4	216.4	0.4	0.0
G115.0	75.7	145.8	1.9	0.0	0.5	203.8	182.9	200.0	0.4	0.0
G116.0	70.6	133.4	1.8	0.0	0.5	187.0	122.6	184.3	0.4	0.0
G117.0	65.2	120.7	1.6	0.0	0.4	172.5	89.5	167.3	0.3	0.0
G118.0	59.6	106.2	1.5	0.0	0.4	157.9	82.6	151.8	0.3	0.0
G119.0	54.2	90.2	1.5	0.0	0.4	141.5	75.7	132.7	0.1	0.0
G120.0	48.3	67.7	1.5	0.0	0.2	123.1	68.6	116.6	0.1	0.0
G121.0	43.0	46.0	1.4	0.0	0.2	104.6	61.2	99.1	0.1	0.0
G122.0	38.6	30.4	1.3	0.0	0.1	81.5	54.5	78.7	0.0	0.0
G123.0	34.1	23.4	1.2	0.0	0.0	55.8	49.0	57.8	0.0	0.0
G124.0	30.6	19.2	1.1	0.0	0.0	36.8	44.0	40.2	0.0	0.0
G125.0	26.7	14.8	1.0	0.0	0.0	26.2	39.4	29.2	0.0	0.0
G126.0	23.1	11.8	0.9	0.0	0.0	20.7	35.8	23.0	0.0	0.0
G127.0	19.5	10.9	0.8	0.0	0.0	15.9	32.2	18.2	0.0	0.0
G128.0	15.5	10.2	0.7	0.0	0.0	11.6	29.0	13.7	0.0	0.0
G129.0	11.8	9.6	0.7	0.0	0.0	10.1	25.4	11.2	0.0	0.0
G130.0	8.7	9.0	0.6	0.0	0.0	8.9	21.7	9.9	0.0	0.0
G131.0	6.3	8.4	0.5	0.0	0.0	8.0	18.4	8.9	0.0	0.0
G132.0	4.5	7.8	0.5	0.0	0.0	7.1	15.3	7.9	0.0	0.0
G133.0	3.1	7.2	0.4	0.0	0.0	6.1	12.0	7.1	0.0	0.0
G134.0	2.1	6.7	0.3	0.0	0.0	5.5	9.3	6.2	0.0	0.0
G135.0	1.4	6.2	0.2	0.0	0.0	4.9	6.9	5.5	0.0	0.0
G136.0	1.0	5.7	0.1	0.0	0.0	4.3	5.1	4.9	0.0	0.0
G137.0	0.7	5.2	0.1	0.0	0.0	3.8	3.8	4.4	0.0	0.0
G138.0	0.4	4.8	0.0	0.0	0.0	3.3	2.6	3.8	0.0	0.0
G139.0	0.2	4.3	0.0	0.0	0.0	2.8	1.9	3.4	0.0	0.0
G140.0	0.1	4.0	0.0	0.0	0.0	2.4	1.3	3.0	0.0	0.0
G141.0	0.0	3.6	0.0	0.0	0.0	2.1	0.8	2.7	0.0	0.0
G142.0	0.0	3.2	0.0	0.0	0.0	1.7	0.5	2.3	0.0	0.0
G143.0	0.0	2.9	0.0	0.0	0.0	1.4	0.2	2.0	0.0	0.0
G144.0	0.0	2.5	0.0	0.0	0.0	1.1	0.0	1.7	0.0	0.0
G145.0	0.0	2.4	0.0	0.0	0.0	0.8	0.0	1.4	0.0	0.0
G146.0	0.0	2.1	0.0	0.0	0.0	0.4	0.0	1.1	0.0	0.0
G147.0	0.0	1.8	0.0	0.0	0.0	0.1	0.0	0.7	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	1.6	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
G149.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
G150.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
G151.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G152.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G153.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G154.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G155.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G156.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0							
G18.0	0.0	0.0	0.0							
G19.0	0.0	0.0	0.0							
G20.0	0.0	0.0	0.1							
G21.0	0.0	0.1	0.3							
G22.0	0.0	0.3	0.4							
G23.0	0.0	0.5	0.8							
G24.0	0.0	0.7	0.9							
G25.0	0.0	0.9	1.2							
G26.0	0.0	1.1	1.5							
G27.0	0.0	1.3	1.8							
G28.0	0.0	1.5	2.1							
G29.0	0.0	1.8	2.4							
G30.0	0.0	2.2	2.8							
G31.0	0.0	2.4	3.1							
G32.0	0.0	2.7	3.6							
G33.0	0.0	3.0	4.1							
G34.0	0.0	3.3	4.5							
G35.0	0.0	3.7	5.2							
G36.0	0.0	4.1	5.6							

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	0.0	4.5	6.3							
G38.0	0.1	4.9	7.1							
G39.0	0.1	5.4	7.9							
G40.0	0.2	5.9	8.8							
G41.0	0.3	6.4	9.6							
G42.0	0.4	6.9	10.8							
G43.0	0.5	7.7	14.9							
G44.0	0.5	8.2	20.2							
G45.0	0.7	9.0	29.8							
G46.0	0.7	9.8	56.2							
G47.0	0.8	10.6	88.2							
G48.0	0.9	11.5	116.6							
G49.0	1.0	12.4	137.9							
G50.0	1.1	13.3	158.5							
G51.0	1.1	14.5	185.6							
G52.0	1.3	16.5	213.0							
G53.0	1.4	21.0	238.4							
G54.0	1.4	25.6	275.3							
G55.0	1.6	31.9	318.8							
G56.0	1.6	44.3	371.1							
G57.0	1.7	67.0	408.5							
G58.0	1.9	89.0	430.7							
G59.0	2.0	110.0	456.6							
G60.0	2.0	126.2	476.5							
G61.0	2.1	140.3	497.4							
G62.0	2.3	153.5	520.0							
G63.0	2.2	168.4	541.3							
G64.0	2.3	184.7	567.9							
G65.0	2.4	201.6	595.3							
G66.0	2.5	216.7	623.6							
G67.0	2.6	235.6	655.6							
G68.0	2.7	251.9	686.4							
G69.0	2.8	269.0	716.6							
G70.0	2.8	286.5	742.8							
G71.0	2.9	304.6	765.3							
G72.0	2.9	326.7	786.7							
G73.0	3.0	347.2	801.8							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	3.1	370.1	815.7							
G75.0	3.1	388.1	828.0							
G76.0	3.2	400.6	839.2							
G77.0	3.3	410.6	849.7							
G78.0	3.3	418.3	858.8							
G79.0	3.3	424.8	869.2							
G80.0	3.4	432.3	880.0							
G81.0	3.4	437.1	891.4							
G82.0	3.5	444.0	903.4							
G83.0	3.5	448.3	914.5							
G84.0	3.5	453.0	921.9							
G85.0	3.5	456.5	926.0							
G86.0	3.5	459.4	928.0							
G87.0	3.5	461.3	928.3							
G88.0	3.5	463.2	929.9							
G89.0	3.5	464.4	932.0							
G90.0	3.5	464.3	933.2							
G91.0	3.6	463.7	933.6							
G92.0	3.6	462.2	934.2							
G93.0	3.5	459.8	931.6							
G94.0	3.5	457.2	927.6							
G95.0	3.4	453.8	921.4							
G96.0	3.4	449.8	910.9							
G97.0	3.4	444.6	898.6							
G98.0	3.4	439.2	886.1							
G99.0	3.3	432.7	874.1							
G100.0	3.2	427.1	863.9							
G101.0	3.2	419.7	853.1							
G102.0	3.1	413.5	841.5							
G103.0	3.1	406.0	830.5							
G104.0	3.0	396.3	817.5							
G105.0	2.9	383.3	806.4							
G106.0	2.9	364.4	788.9							
G107.0	2.9	345.1	763.1							
G108.0	2.7	325.5	737.1							
G109.0	2.7	303.8	617.5							
G110.0	2.6	283.8	363.7							

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	2.5	265.7	241.9							
G112.0	2.5	246.9	152.7							
G113.0	2.4	229.8	101.3							
G114.0	2.3	210.9	81.3							
G115.0	2.2	195.2	75.7							
G116.0	2.1	179.4	70.6							
G117.0	2.0	161.0	65.2							
G118.0	2.0	146.0	59.6							
G119.0	1.8	127.3	54.2							
G120.0	1.8	110.8	48.3							
G121.0	1.7	94.3	43.0							
G122.0	1.6	75.3	38.6							
G123.0	1.5	56.1	34.1							
G124.0	1.4	37.5	30.6							
G125.0	1.3	27.4	26.7							
G126.0	1.2	21.8	23.1							
G127.0	1.1	17.1	19.5							
G128.0	1.0	13.6	15.5							
G129.0	0.9	12.4	11.8							
G130.0	0.8	11.5	8.7							
G131.0	0.8	10.8	6.3							
G132.0	0.7	10.0	4.5							
G133.0	0.6	9.2	3.1							
G134.0	0.5	8.5	2.1							
G135.0	0.4	7.8	1.4							
G136.0	0.3	7.2	1.0							
G137.0	0.2	6.7	0.7							
G138.0	0.1	6.1	0.4							
G139.0	0.1	5.6	0.2							
G140.0	0.1	5.2	0.1							
G141.0	0.0	4.7	0.0							
G142.0	0.0	4.3	0.0							
G143.0	0.0	3.9	0.0							
G144.0	0.0	3.5	0.0							
G145.0	0.0	3.1	0.0							
G146.0	0.0	2.9	0.0							
G147.0	0.0	2.5	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:

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	2.2	0.0							
G149.0	0.0	1.9	0.0							
G150.0	0.0	1.7	0.0							
G151.0	0.0	1.4	0.0							
G152.0	0.0	1.2	0.0							
G153.0	0.0	1.0	0.0							
G154.0	0.0	0.8	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	0.1	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: