

Report No.: 001

Test Time: 2020-07-17 15:55

Luminaire Property

Luminaire Manufacturer: Havit Lighting

Luminaire Category: Outdoor lighting

Lamp Catalog: COB

Current: 0.082 A

Power Factor: 0.492

Luminaire Description: HV5831T+HV5832T-5W-C

Voltage: 240.7 V

Power: 9.73 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 433 lm

Downward Ratio: 60%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 211.4, 360.0, 300.8, 302.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 204.5, 360.0, 228.4, 249.6

Luminaire Efficacy Rating (LER): 44.55

Max. Intensity: 330.46 cd

S/MH(C0/C180): -786.95

Total Rated Lamp Lumens: 433.0 lm

Efficiency: 100%

Upward Ratio: 40%

135/315): 211.4, 360.0

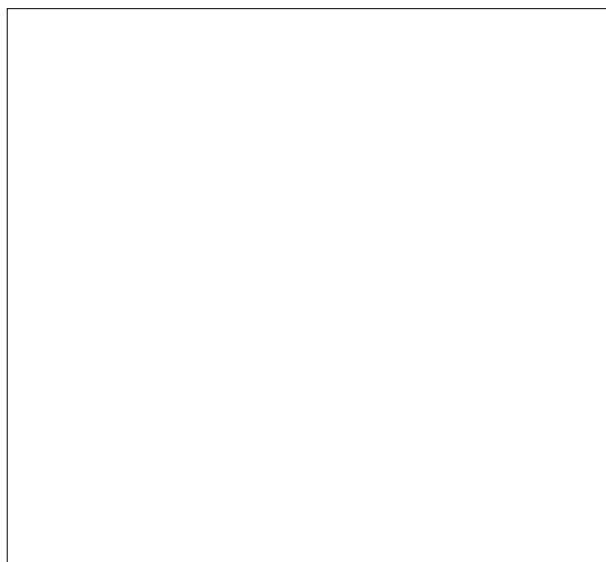
C135/315): 204.5, 360.0

Central Intensity: 0 cd

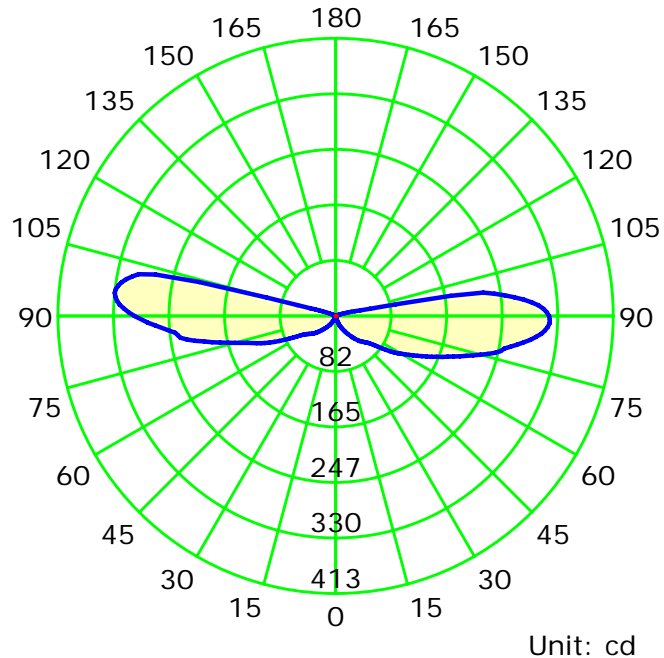
Pos of Max. Intensity: H180 V96

S/MH(C90/C270): -1.#J

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

Test Type: TYPE C

Temperature: 25°C

Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0

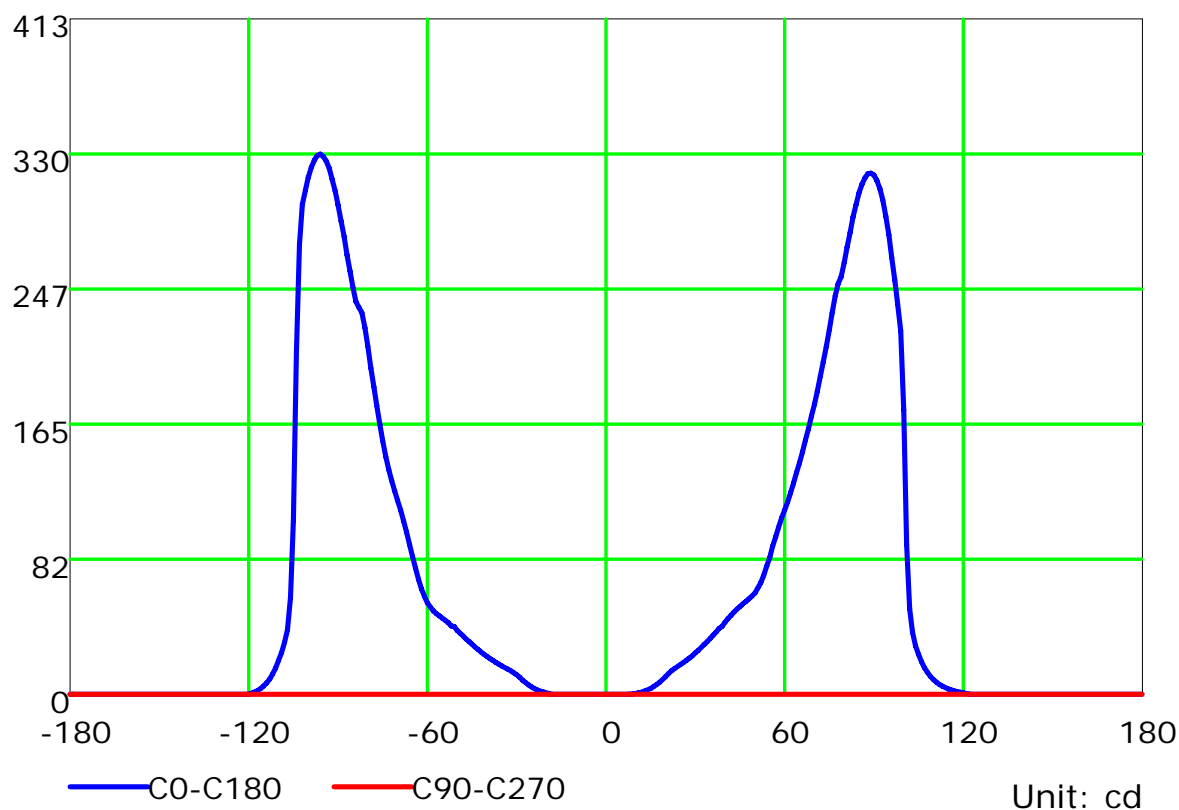
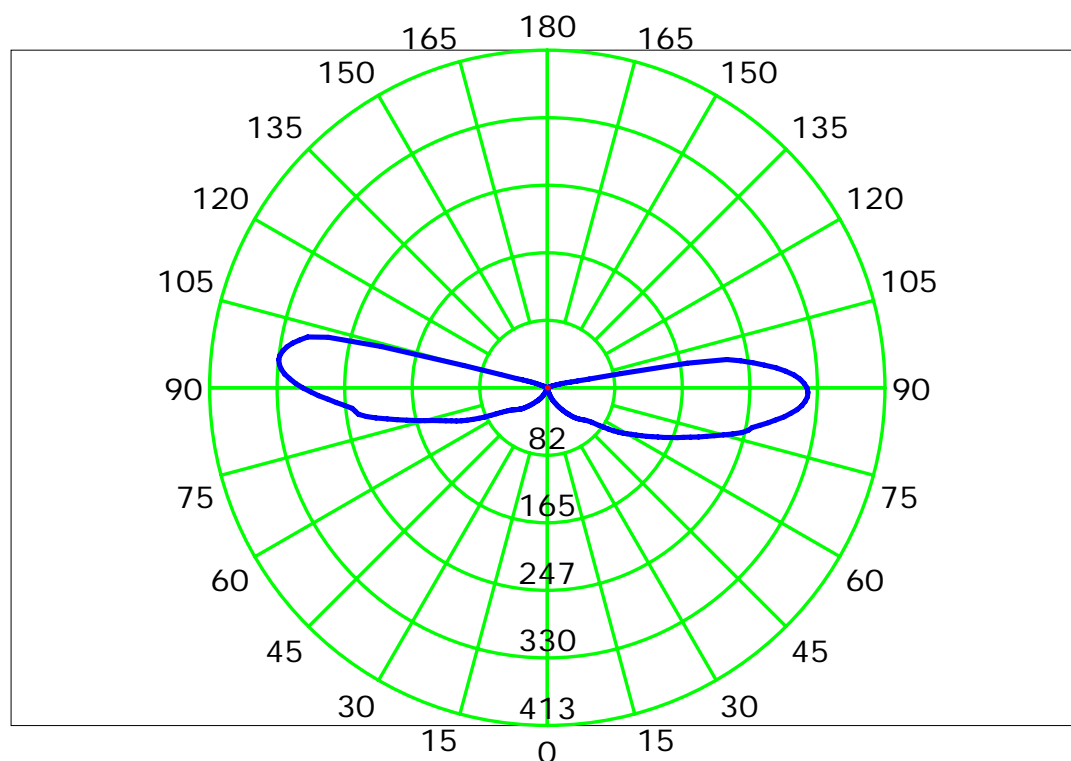
Test Device: GPM-1600L

Distance: 6.583 m

Humidity:

Inspector:

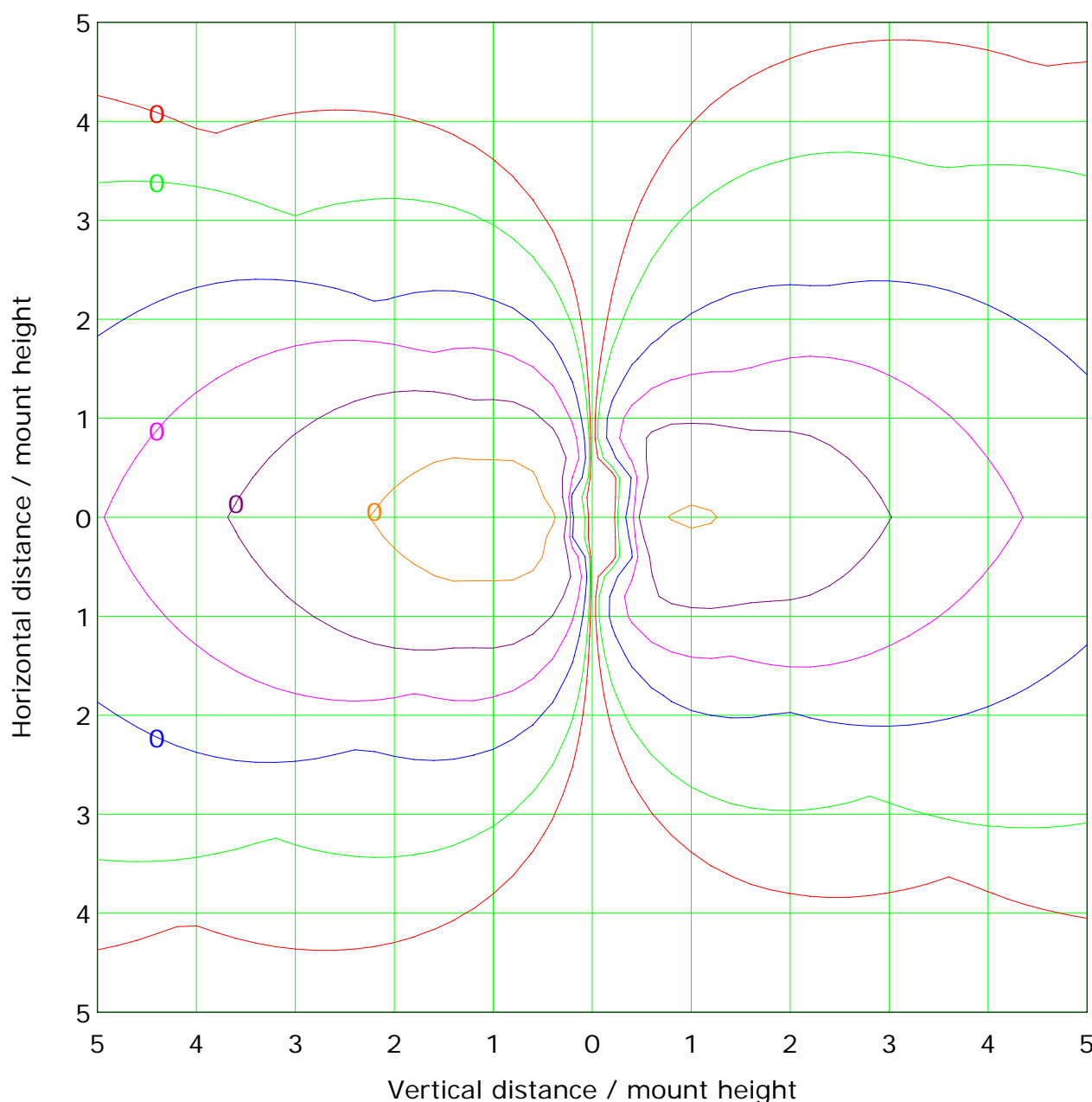
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
 Test Lab: HAVIT LIGHTING
 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:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 0.8 lx

(1%): 0.0 lx	(2%): 0.0 lx
(5%): 0.0 lx	(10%): 0.1 lx
(20%): 0.2 lx	(50%): 0.4 lx
(100%): 0.8 lx	

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

Test Type: TYPE C

Temperature: 25°C

Operator: DING LI

Gamma Plane (°):0.0-180.0:1.0

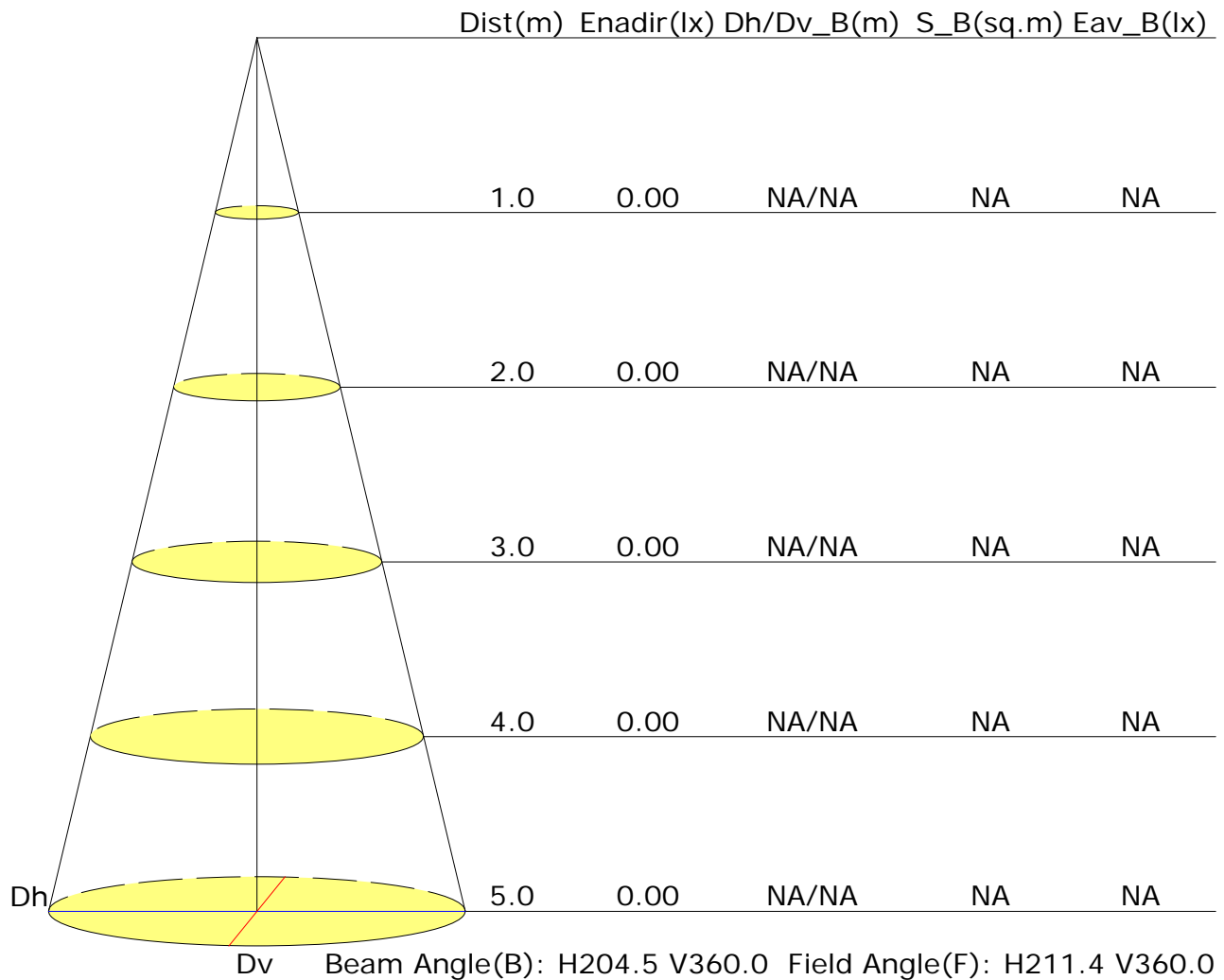
Test Device: GPM-1600L

Distance: 6.583 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
 Test Lab: HAVIT LIGHTING
 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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 433lm ($8\log(F/F_0) = -2.9$).

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

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

GVC	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	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	
G2.0	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	
G4.0	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	
G6.0	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	
G8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
G9.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	
G10.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	
G11.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
G12.0	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.1	1.4	
G13.0	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.1	2.0	
G14.0	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.4	2.8	
G15.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.6	3.5	
G16.0	4.7	1.2	0.0	0.0	0.0	0.0	0.0	0.9	4.7	
G17.0	6.0	1.5	0.0	0.0	0.0	0.0	0.0	1.2	6.0	
G18.0	7.3	2.0	0.0	0.0	0.1	0.0	0.0	1.5	7.3	
G19.0	9.1	2.4	0.0	0.0	0.5	0.0	0.0	1.7	9.1	
G20.0	10.8	3.0	0.0	0.0	0.9	0.0	0.0	2.1	10.8	
G21.0	12.7	3.6	0.0	0.0	1.4	0.0	0.0	2.6	12.7	
G22.0	14.4	4.3	0.0	0.0	1.9	0.0	0.0	3.1	14.4	
G23.0	15.7	5.1	0.0	0.0	2.6	0.0	0.0	3.6	15.7	
G24.0	17.0	6.1	0.0	0.1	3.5	0.0	0.0	4.3	17.0	
G25.0	18.3	7.0	0.0	0.2	4.6	0.2	0.0	5.0	18.3	
G26.0	19.5	8.0	0.0	0.4	5.7	0.5	0.0	5.8	19.5	
G27.0	20.8	9.2	0.0	0.6	7.2	0.8	0.0	6.6	20.8	
G28.0	22.2	10.3	0.0	1.0	8.5	1.1	0.0	7.5	22.2	
G29.0	23.6	11.5	0.0	1.2	10.4	1.4	0.0	8.5	23.6	
G30.0	25.4	12.8	0.0	1.6	12.0	1.8	0.0	9.5	25.4	
G31.0	26.9	13.9	0.0	2.0	13.2	2.1	0.0	10.6	26.9	
G32.0	28.7	14.7	0.0	2.4	14.4	2.7	0.0	11.8	28.7	
G33.0	30.5	15.5	0.0	3.0	15.4	3.3	0.0	12.9	30.5	
G34.0	32.2	16.3	0.0	3.5	16.4	3.9	0.0	13.9	32.2	
G35.0	34.2	17.0	0.0	4.1	17.4	4.7	0.0	14.6	34.2	
G36.0	36.1	17.7	0.0	4.9	18.4	5.6	0.0	15.3	36.1	

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

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

GVC	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	38.1	18.4	0.0	5.6	19.5	6.7	0.0	16.0	38.1	
G38.0	40.3	19.1	0.0	6.6	20.8	7.7	0.0	16.6	40.3	
G39.0	41.5	19.8	0.0	7.3	21.8	8.9	0.0	17.2	41.5	
G40.0	44.2	20.6	0.0	8.4	23.2	10.1	0.0	17.8	44.2	
G41.0	46.3	21.0	0.0	9.4	24.5	11.2	0.0	18.4	46.3	
G42.0	48.3	21.8	0.0	10.4	25.9	12.5	0.0	18.9	48.3	
G43.0	50.2	22.7	0.0	11.4	27.5	13.6	0.0	19.6	50.2	
G44.0	52.1	23.4	0.0	12.3	29.0	14.2	0.0	20.1	52.1	
G45.0	53.7	24.1	0.0	13.0	30.7	14.9	0.0	20.8	53.7	
G46.0	55.3	24.9	0.0	13.6	32.3	15.6	0.0	21.1	55.3	
G47.0	56.8	25.7	0.0	14.2	33.8	16.1	0.0	21.9	56.8	
G48.0	58.4	26.5	0.0	14.8	35.7	16.5	0.0	22.5	58.4	
G49.0	60.1	27.3	0.0	15.2	37.4	16.9	0.0	23.1	60.1	
G50.0	61.9	28.1	0.0	15.7	39.1	17.3	0.0	23.8	61.9	
G51.0	64.9	28.8	0.0	16.2	41.5	17.7	0.0	24.5	64.9	
G52.0	68.3	29.6	0.0	16.7	41.8	18.0	0.0	25.1	68.3	
G53.0	72.8	30.3	0.0	17.1	43.8	18.3	0.0	25.8	72.8	
G54.0	78.4	31.3	0.0	17.5	45.2	18.6	0.0	26.3	78.4	
G55.0	83.7	32.0	0.0	18.0	46.6	18.9	0.0	27.0	83.7	
G56.0	90.7	32.8	0.0	18.5	48.0	19.3	0.0	27.8	90.7	
G57.0	96.4	33.4	0.0	18.8	49.4	19.6	0.0	28.1	96.4	
G58.0	102.1	34.1	0.0	19.2	51.0	20.1	0.0	28.5	102.1	
G59.0	107.9	34.9	0.0	19.8	53.3	20.8	0.0	29.1	107.9	
G60.0	112.7	35.5	0.0	20.3	56.0	20.8	0.0	29.5	112.7	
G61.0	117.5	36.2	0.0	20.9	59.8	21.5	0.0	30.0	117.5	
G62.0	123.3	36.8	0.0	21.1	64.5	22.2	0.0	30.5	123.3	
G63.0	129.0	37.3	0.0	21.7	70.3	22.9	0.0	31.0	129.0	
G64.0	135.6	37.8	0.0	22.3	77.2	24.0	0.0	31.4	135.6	
G65.0	141.7	38.3	0.0	22.8	84.3	25.0	0.0	31.8	141.7	
G66.0	148.1	38.6	0.0	23.3	91.6	26.2	0.0	32.2	148.1	
G67.0	155.6	39.0	0.0	23.8	99.2	27.7	0.0	32.5	155.6	
G68.0	162.1	39.3	0.0	24.3	105.9	29.2	0.0	32.7	162.1	
G69.0	170.1	39.7	0.0	24.8	112.8	31.2	0.0	33.0	170.1	
G70.0	177.3	39.9	0.0	25.3	118.5	33.1	0.0	33.3	177.3	
G71.0	185.4	40.1	0.0	25.7	124.4	35.2	0.0	33.3	185.4	
G72.0	194.6	40.3	0.0	26.1	130.7	37.7	0.0	33.4	194.6	
G73.0	203.2	40.4	0.0	26.4	137.4	40.1	0.0	33.6	203.2	

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

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

GVC	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	212.7	40.5	0.0	26.8	145.5	42.2	0.0	33.8	212.7	
G75.0	223.0	40.8	0.0	27.1	155.1	44.7	0.0	33.9	223.0	
G76.0	233.5	40.7	0.0	27.5	165.2	47.0	0.0	33.9	233.5	
G77.0	243.8	40.7	0.0	27.8	176.6	49.3	0.0	34.0	243.8	
G78.0	251.1	40.7	0.0	28.1	187.9	51.0	0.0	33.9	251.1	
G79.0	255.4	40.7	0.0	28.4	199.6	52.5	0.0	34.0	255.4	
G80.0	264.1	40.4	0.0	28.6	212.9	53.9	0.0	33.9	264.1	
G81.0	273.6	40.2	0.0	28.8	224.2	54.9	0.0	33.7	273.6	
G82.0	282.4	39.9	0.0	29.1	233.4	55.5	0.0	33.7	282.4	
G83.0	292.0	39.6	0.0	29.4	236.5	55.9	0.0	33.5	292.0	
G84.0	299.5	39.5	0.0	29.5	240.1	56.1	0.0	33.3	299.5	
G85.0	307.0	39.3	0.0	29.8	248.9	56.0	0.0	33.1	307.0	
G86.0	312.0	39.0	0.0	30.0	258.8	55.5	0.0	32.8	312.0	
G87.0	316.0	38.5	0.0	30.0	268.7	55.0	0.0	32.5	316.0	
G88.0	318.5	38.1	0.0	30.1	280.0	54.3	0.0	32.1	318.5	
G89.0	318.8	37.7	0.0	30.2	289.5	53.3	0.0	31.8	318.8	
G90.0	317.5	37.3	0.0	30.2	299.3	52.1	0.0	31.4	317.5	
G91.0	314.2	36.8	0.0	30.3	307.9	51.0	0.0	31.0	314.2	
G92.0	309.3	36.3	0.0	30.4	315.0	49.5	0.0	30.6	309.3	
G93.0	302.5	35.8	0.0	30.3	321.8	48.1	0.0	30.1	302.5	
G94.0	292.4	35.3	0.0	30.4	326.3	46.9	0.0	29.6	292.4	
G95.0	281.1	34.7	0.0	30.3	329.1	45.7	0.0	29.1	281.1	
G96.0	267.1	34.1	0.0	30.2	330.5	44.4	0.0	28.4	267.1	
G97.0	253.4	33.6	0.0	30.1	329.5	43.5	0.0	27.8	253.4	
G98.0	238.7	32.9	0.0	29.9	326.7	42.1	0.0	27.4	238.7	
G99.0	222.4	32.2	0.0	29.9	322.3	41.5	0.0	26.9	222.4	
G100.0	173.8	31.7	0.0	29.7	316.2	41.5	0.0	26.4	173.8	
G101.0	91.7	30.9	0.0	29.5	308.3	40.5	0.0	25.8	91.7	
G102.0	52.3	30.3	0.0	29.4	299.7	39.9	0.0	25.4	52.3	
G103.0	37.8	29.4	0.0	29.3	275.1	39.2	0.0	25.0	37.8	
G104.0	29.5	28.6	0.0	28.9	209.2	38.8	0.0	24.5	29.5	
G105.0	24.3	27.9	0.0	28.5	106.1	38.2	0.0	24.1	24.3	
G106.0	19.9	27.2	0.0	28.3	59.3	37.7	0.0	23.8	19.9	
G107.0	16.2	26.4	0.0	27.8	39.5	37.3	0.0	23.4	16.2	
G108.0	13.4	25.6	0.0	27.6	31.8	36.8	0.0	23.0	13.4	
G109.0	10.9	24.7	0.0	27.2	25.5	36.3	0.0	22.7	10.9	
G110.0	8.9	24.1	0.0	26.9	20.7	35.9	0.0	22.2	8.9	

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

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

GVC	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	7.5	23.4	0.0	26.5	16.1	35.5	0.0	21.8	7.5	
G112.0	6.0	22.6	0.0	26.1	12.4	35.0	0.0	21.4	6.0	
G113.0	5.1	22.0	0.0	25.6	9.4	34.6	0.0	20.8	5.1	
G114.0	4.2	21.2	0.0	25.1	7.0	34.1	0.0	20.8	4.2	
G115.0	3.3	20.8	0.0	24.6	5.2	33.8	0.0	20.2	3.3	
G116.0	2.7	20.1	0.0	24.2	3.5	33.1	0.0	19.7	2.7	
G117.0	2.1	19.5	0.0	23.7	2.4	32.6	0.0	19.1	2.1	
G118.0	1.7	18.9	0.0	23.0	1.4	32.0	0.0	18.5	1.7	
G119.0	1.3	18.3	0.0	22.6	0.7	31.3	0.0	18.0	1.3	
G120.0	0.9	17.8	0.0	21.9	0.2	30.8	0.0	17.4	0.9	
G121.0	0.6	17.0	0.0	21.2	0.0	30.1	0.0	16.8	0.6	
G122.0	0.1	16.5	0.0	20.8	0.0	29.3	0.0	16.2	0.1	
G123.0	0.1	15.9	0.0	20.3	0.0	28.5	0.0	15.6	0.1	
G124.0	0.0	15.4	0.0	19.8	0.0	27.7	0.0	15.1	0.0	
G125.0	0.0	14.7	0.0	19.3	0.0	27.0	0.0	14.5	0.0	
G126.0	0.0	14.2	0.0	18.6	0.0	26.3	0.0	14.0	0.0	
G127.0	0.0	13.9	0.0	18.1	0.0	25.5	0.0	13.6	0.0	
G128.0	0.0	13.4	0.0	17.6	0.0	24.8	0.0	13.2	0.0	
G129.0	0.0	13.0	0.0	17.0	0.0	24.1	0.0	12.8	0.0	
G130.0	0.0	12.6	0.0	16.4	0.0	23.3	0.0	12.4	0.0	
G131.0	0.0	12.1	0.0	15.9	0.0	22.5	0.0	11.9	0.0	
G132.0	0.0	11.8	0.0	15.3	0.0	21.8	0.0	11.6	0.0	
G133.0	0.0	11.5	0.0	14.8	0.0	20.8	0.0	11.2	0.0	
G134.0	0.0	11.1	0.0	14.4	0.0	20.3	0.0	10.9	0.0	
G135.0	0.0	10.7	0.0	13.9	0.0	19.5	0.0	10.5	0.0	
G136.0	0.0	10.5	0.0	13.5	0.0	18.8	0.0	10.1	0.0	
G137.0	0.0	10.0	0.0	13.0	0.0	18.1	0.0	9.8	0.0	
G138.0	0.0	9.7	0.0	12.7	0.0	17.4	0.0	9.3	0.0	
G139.0	0.0	9.2	0.0	12.3	0.0	16.8	0.0	9.0	0.0	
G140.0	0.0	8.8	0.0	11.9	0.0	16.3	0.0	8.4	0.0	
G141.0	0.0	8.4	0.0	11.5	0.0	15.7	0.0	7.9	0.0	
G142.0	0.0	7.8	0.0	11.1	0.0	15.2	0.0	7.1	0.0	
G143.0	0.0	7.2	0.0	10.7	0.0	14.5	0.0	6.4	0.0	
G144.0	0.0	6.4	0.0	10.5	0.0	14.0	0.0	5.7	0.0	
G145.0	0.0	5.7	0.0	10.0	0.0	13.7	0.0	5.0	0.0	
G146.0	0.0	4.9	0.0	9.5	0.0	13.0	0.0	4.3	0.0	
G147.0	0.0	4.2	0.0	9.0	0.0	12.5	0.0	3.8	0.0	

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

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

GVC	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	0.0	3.6	0.0	8.5	0.0	11.9	0.0	3.2	0.0	
G149.0	0.0	3.0	0.0	7.9	0.0	11.3	0.0	2.7	0.0	
G150.0	0.0	2.5	0.0	7.2	0.0	10.7	0.0	2.2	0.0	
G151.0	0.0	2.3	0.0	6.4	0.0	9.9	0.0	1.8	0.0	
G152.0	0.0	1.8	0.0	5.7	0.0	9.1	0.0	1.6	0.0	
G153.0	0.0	1.5	0.0	4.9	0.0	8.1	0.0	1.1	0.0	
G154.0	0.0	1.1	0.0	4.1	0.0	7.2	0.0	0.9	0.0	
G155.0	0.0	0.9	0.0	3.5	0.0	6.3	0.0	0.7	0.0	
G156.0	0.0	0.4	0.0	2.7	0.0	5.4	0.0	0.3	0.0	
G157.0	0.0	0.0	0.0	2.2	0.0	4.6	0.0	0.1	0.0	
G158.0	0.0	0.0	0.0	1.7	0.0	3.7	0.0	0.0	0.0	
G159.0	0.0	0.0	0.0	1.2	0.0	3.1	0.0	0.0	0.0	
G160.0	0.0	0.0	0.0	0.7	0.0	2.4	0.0	0.0	0.0	
G161.0	0.0	0.0	0.0	0.3	0.0	1.9	0.0	0.0	0.0	
G162.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	
G163.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	
G164.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
G165.0	0.0	0.0	0.0	0.0	0.0	0.2	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	
G167.0	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	
G169.0	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	
G171.0	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	
G173.0	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	
G175.0	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	
G177.0	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	
G179.0	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	

C Plane (°):0.0-360.0: 45.0

Test Lab: HAVIT LIGHTING

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