

IES Flood Report

Photometric Filename:HV5831T+HV5832T-7W-C.IES

Page 1 of 10 Pages

Report No.: 001

Test Time: 2020-07-17 15:08

Luminaire Property

Luminaire Manufacturer: Havit Lighting
Luminaire Category: Outdoor lighting
Lamp Catalog: COB
Current: 0.099 A
Power Factor: 0.518

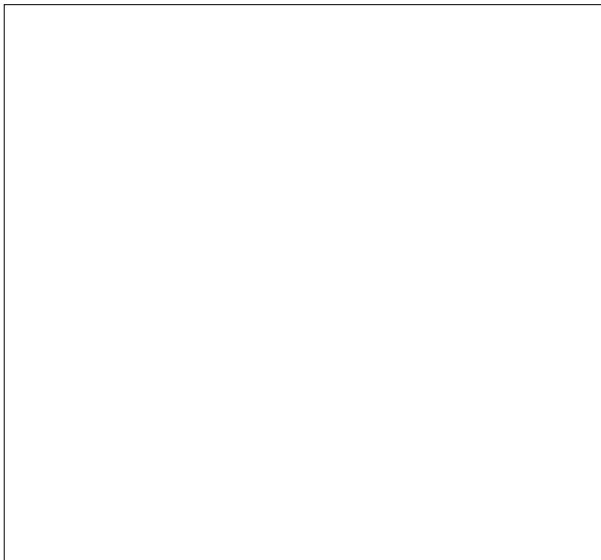
Luminaire Description: HV5831T+HV5832T-7W-C
Voltage: 240.6 V
Power: 12.39 W

Photometric Results

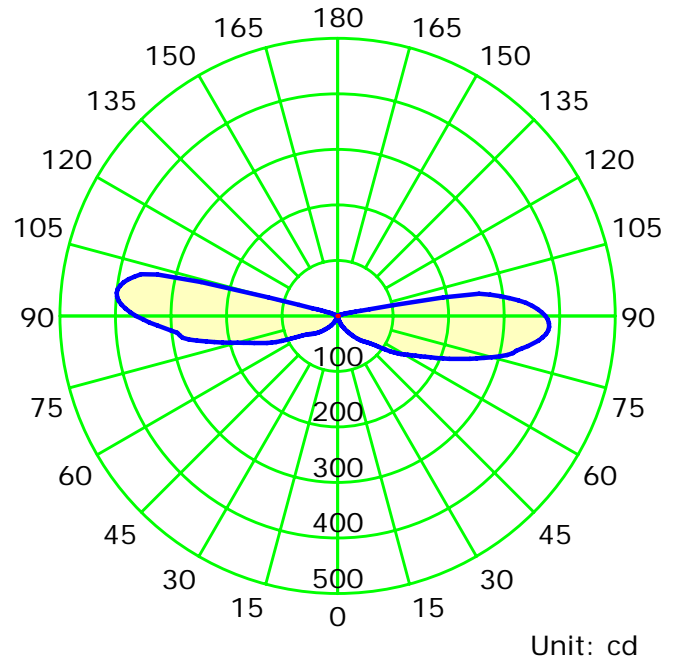
CIE Class: Semi-Direct
Measurement Flux: 527.1 lm
Downward Ratio: 60%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 211.1, 360.0, 302.0, 305.3
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 204.3, 360.0, 235.5, 254.8
Luminaire Efficacy Rating (LER): 42.59
Max. Intensity: 400.09 cd
S/MH(C0/C180): -790.30

Total Rated Lamp Lumens: 527.1 lm
Efficiency: 100%
Upward Ratio: 40%
Central Intensity: 0 cd
Pos of Max. Intensity: H180 V96
S/MH(C90/C270): -1.#J

Picture Of Luminaire



Luminous Intensity Distribution Curve

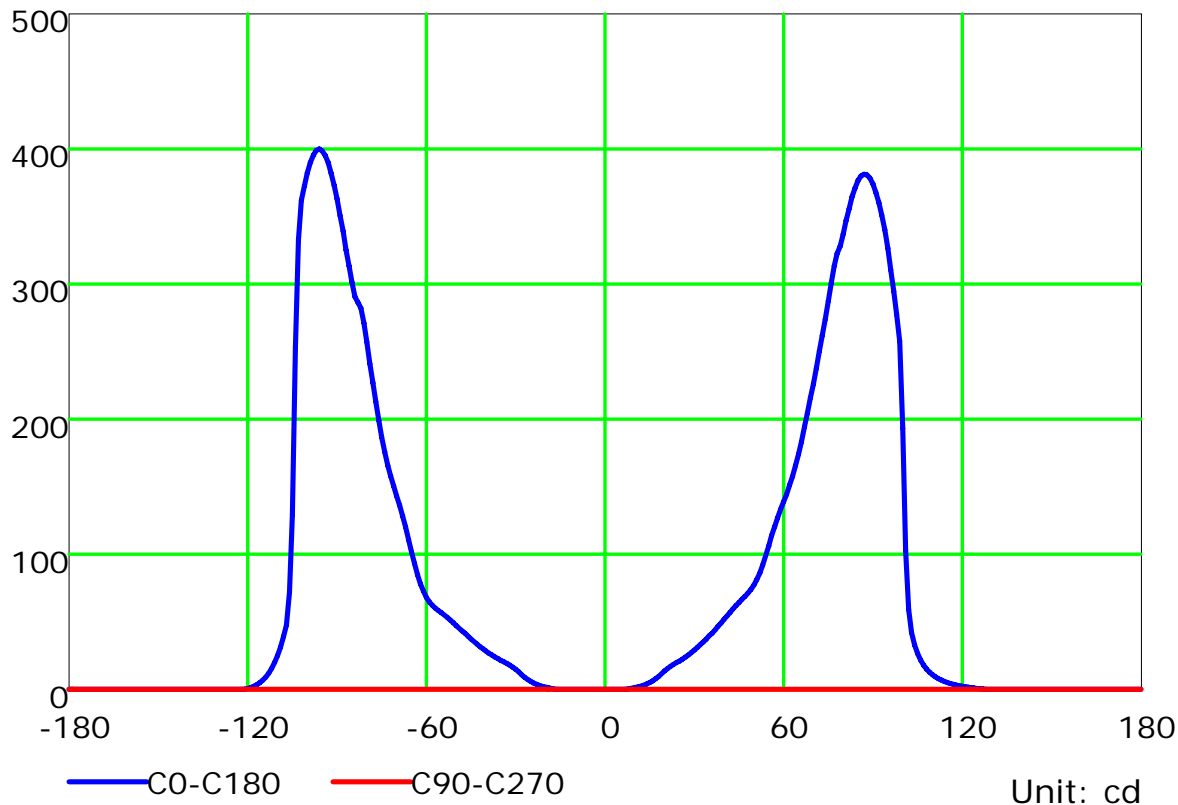
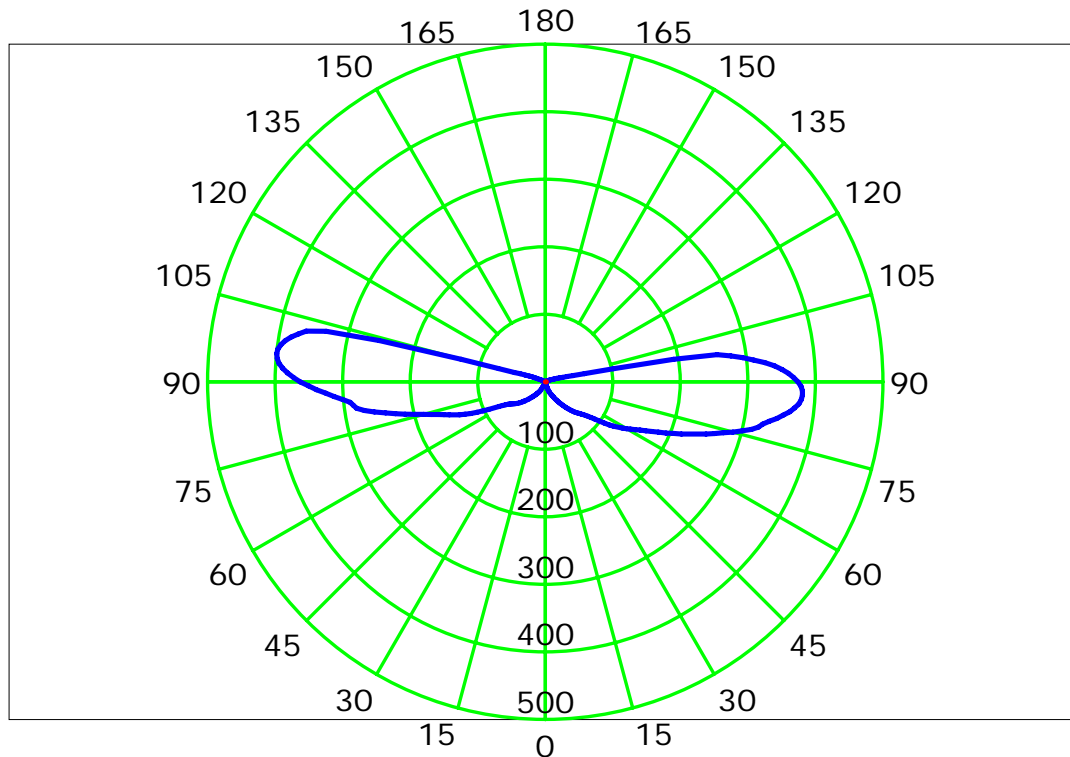


— C0-C180 — C90-C270

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

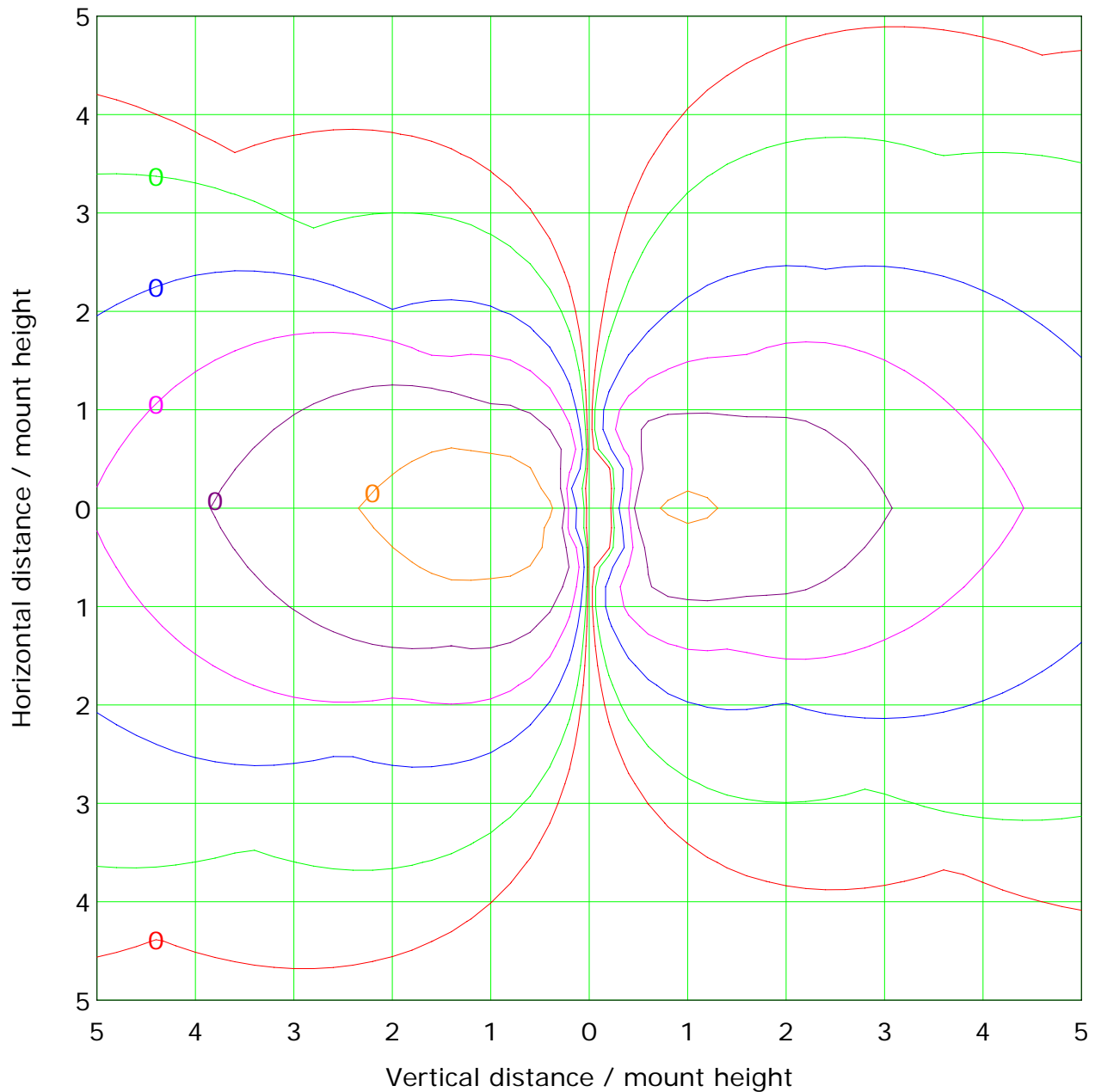
Test Device: GPM-1600L

Distance: 6.583 m

Humidity:

Inspector:

IsoLux Plot



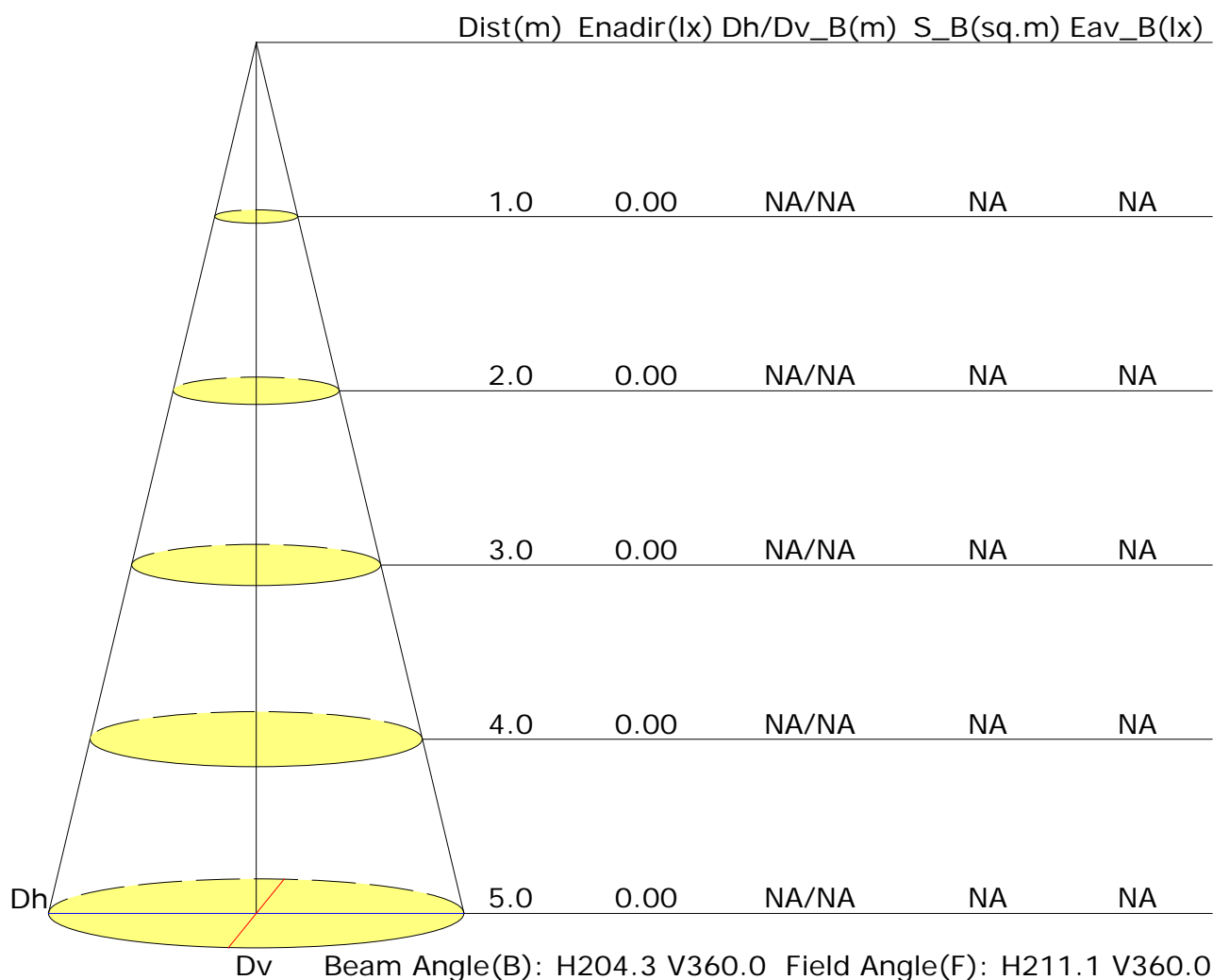
Mounting Height: 5.0m Max Lux(100%): 0.9 lx

— (1%): 0.0 lx	— (2%): 0.0 lx
— (5%): 0.0 lx	— (10%): 0.1 lx
— (20%): 0.2 lx	— (50%): 0.5 lx
— (100%): 0.9 lx	

C Plane (°):0.0-360.0: 45.0
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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 527lm ($8\log(F/F_0) = -2.2$).

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

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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	
G9.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	
G10.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.3	
G11.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.1	1.7	
G12.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.1	2.4	
G13.0	3.1	1.1	0.0	0.0	0.0	0.0	0.0	0.7	3.1	
G14.0	3.9	1.4	0.0	0.0	0.0	0.0	0.0	1.0	3.9	
G15.0	5.1	1.6	0.0	0.0	0.0	0.0	0.0	1.2	5.1	
G16.0	6.2	2.0	0.0	0.0	0.0	0.0	0.0	1.5	6.2	
G17.0	7.8	2.5	0.0	0.0	0.1	0.0	0.0	1.8	7.8	
G18.0	9.4	2.9	0.0	0.0	0.7	0.0	0.0	2.2	9.4	
G19.0	11.6	3.5	0.0	0.0	1.2	0.0	0.0	2.5	11.6	
G20.0	13.6	4.2	0.0	0.0	1.7	0.0	0.0	3.1	13.6	
G21.0	15.4	5.0	0.0	0.0	2.2	0.0	0.0	3.6	15.4	
G22.0	17.0	5.8	0.0	0.0	3.0	0.0	0.0	4.2	17.0	
G23.0	18.4	6.8	0.0	0.0	3.7	0.0	0.0	4.9	18.4	
G24.0	19.8	7.9	0.0	0.4	4.7	0.3	0.0	5.6	19.8	
G25.0	20.9	9.1	0.0	0.7	6.0	0.8	0.0	6.4	20.9	
G26.0	22.4	10.3	0.0	1.0	7.3	1.0	0.0	7.3	22.4	
G27.0	23.9	11.7	0.0	1.2	9.0	1.3	0.0	8.4	23.9	
G28.0	25.5	13.1	0.0	1.6	10.8	1.7	0.0	9.3	25.5	
G29.0	27.2	14.6	0.0	2.0	13.0	2.2	0.0	10.5	27.2	
G30.0	29.1	16.0	0.0	2.4	14.9	2.5	0.0	11.6	29.1	
G31.0	31.0	17.0	0.0	2.8	16.4	3.1	0.0	12.6	31.0	
G32.0	33.1	18.1	0.0	3.3	18.0	3.8	0.0	13.6	33.1	
G33.0	35.0	19.2	0.0	3.9	19.2	4.4	0.0	14.3	35.0	
G34.0	37.2	20.1	0.0	4.6	20.4	5.2	0.0	14.9	37.2	
G35.0	39.7	20.9	0.0	5.4	21.4	6.1	0.0	15.6	39.7	
G36.0	41.5	21.9	0.0	6.2	22.8	7.1	0.0	16.1	41.5	

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	44.0	22.7	0.0	7.1	24.0	8.4	0.0	16.6	44.0	
G38.0	46.7	23.7	0.0	8.1	25.4	9.6	0.0	17.1	46.7	
G39.0	49.1	24.5	0.0	9.1	26.7	10.9	0.0	17.6	49.1	
G40.0	51.9	25.6	0.0	10.3	28.4	12.4	0.0	18.0	51.9	
G41.0	54.3	26.5	0.0	11.5	30.0	13.9	0.0	18.6	54.3	
G42.0	56.9	27.6	0.0	12.6	31.6	15.0	0.0	19.1	56.9	
G43.0	59.5	28.6	0.0	13.9	33.5	16.3	0.0	19.7	59.5	
G44.0	62.0	29.7	0.0	14.8	35.4	17.2	0.0	20.1	62.0	
G45.0	64.3	30.7	0.0	15.7	37.3	18.1	0.0	20.8	64.3	
G46.0	66.7	31.9	0.0	16.5	39.3	18.7	0.0	20.9	66.7	
G47.0	68.8	32.9	0.0	17.1	41.5	19.3	0.0	21.7	68.8	
G48.0	71.2	34.1	0.0	17.9	43.2	19.9	0.0	22.3	71.2	
G49.0	73.9	35.3	0.0	18.5	45.2	20.4	0.0	22.9	73.9	
G50.0	77.3	36.3	0.0	19.0	47.3	20.8	0.0	23.6	77.3	
G51.0	81.3	37.6	0.0	19.6	49.4	20.9	0.0	24.2	81.3	
G52.0	86.1	38.6	0.0	20.2	51.4	21.5	0.0	24.8	86.1	
G53.0	92.0	39.9	0.0	20.8	53.3	21.9	0.0	25.3	92.0	
G54.0	99.1	41.5	0.0	20.8	55.0	22.3	0.0	25.9	99.1	
G55.0	106.2	41.6	0.0	21.6	56.8	22.8	0.0	26.3	106.2	
G56.0	114.1	43.3	0.0	22.1	58.4	23.3	0.0	26.9	114.1	
G57.0	120.6	44.5	0.0	22.6	60.2	23.8	0.0	27.4	120.6	
G58.0	127.0	45.7	0.0	23.2	62.1	24.3	0.0	27.8	127.0	
G59.0	133.4	46.8	0.0	23.8	64.7	25.1	0.0	28.3	133.4	
G60.0	139.1	47.9	0.0	24.4	68.1	25.8	0.0	28.7	139.1	
G61.0	144.3	49.0	0.0	24.9	72.7	26.7	0.0	29.2	144.3	
G62.0	151.2	49.9	0.0	25.5	78.0	27.7	0.0	29.6	151.2	
G63.0	157.6	50.7	0.0	26.2	84.7	28.6	0.0	30.0	157.6	
G64.0	165.7	51.7	0.0	26.8	93.2	30.1	0.0	30.4	165.7	
G65.0	174.1	52.6	0.0	27.4	101.9	31.5	0.0	30.7	174.1	
G66.0	183.3	53.3	0.0	28.0	110.7	33.2	0.0	31.0	183.3	
G67.0	194.4	54.0	0.0	28.6	120.3	35.3	0.0	31.3	194.4	
G68.0	204.3	54.8	0.0	29.2	128.2	37.4	0.0	31.5	204.3	
G69.0	215.8	55.3	0.0	29.7	136.3	40.1	0.0	31.8	215.8	
G70.0	226.2	55.8	0.0	30.3	143.2	42.1	0.0	31.9	226.2	
G71.0	237.7	56.3	0.0	30.8	150.5	45.0	0.0	32.2	237.7	
G72.0	250.4	56.7	0.0	31.3	158.0	47.9	0.0	32.4	250.4	
G73.0	262.0	57.1	0.0	31.7	165.7	50.9	0.0	32.5	262.0	

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 2)

Unit: cd

GVC	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	274.2	57.4	0.0	32.2	175.9	53.9	0.0	32.7	274.2	
G75.0	287.6	57.6	0.0	32.7	186.6	56.4	0.0	32.8	287.6	
G76.0	300.7	57.8	0.0	33.1	199.1	58.8	0.0	32.9	300.7	
G77.0	313.5	58.0	0.0	33.4	213.1	61.2	0.0	32.9	313.5	
G78.0	322.7	57.9	0.0	33.8	227.0	63.0	0.0	32.9	322.7	
G79.0	328.1	58.0	0.0	34.1	241.1	64.4	0.0	32.9	328.1	
G80.0	337.1	57.9	0.0	34.3	257.2	65.7	0.0	32.8	337.1	
G81.0	347.2	57.6	0.0	34.6	271.2	66.5	0.0	32.7	347.2	
G82.0	355.8	57.5	0.0	34.9	282.3	67.1	0.0	32.5	355.8	
G83.0	364.7	57.3	0.0	35.2	286.4	67.3	0.0	32.4	364.7	
G84.0	371.2	57.0	0.0	35.5	290.7	67.3	0.0	32.4	371.2	
G85.0	377.0	56.6	0.0	35.8	301.5	67.1	0.0	32.2	377.0	
G86.0	380.1	56.3	0.0	35.9	313.5	66.5	0.0	32.1	380.1	
G87.0	381.4	55.7	0.0	36.1	325.4	65.7	0.0	31.8	381.4	
G88.0	380.9	55.3	0.0	36.2	339.4	64.7	0.0	31.5	380.9	
G89.0	378.6	54.7	0.0	36.2	350.7	63.6	0.0	31.2	378.6	
G90.0	374.2	54.0	0.0	36.4	363.3	62.3	0.0	31.0	374.2	
G91.0	367.9	53.3	0.0	36.4	373.1	60.8	0.0	30.6	367.9	
G92.0	360.3	52.7	0.0	36.5	382.2	59.1	0.0	30.2	360.3	
G93.0	351.1	52.1	0.0	36.5	389.9	57.6	0.0	29.9	351.1	
G94.0	340.3	51.3	0.0	36.5	395.4	56.0	0.0	29.5	340.3	
G95.0	326.6	50.6	0.0	36.4	398.7	54.8	0.0	29.0	326.6	
G96.0	310.5	49.8	0.0	36.3	400.1	53.5	0.0	28.6	310.5	
G97.0	294.7	48.9	0.0	36.3	399.0	52.5	0.0	28.2	294.7	
G98.0	277.5	47.8	0.0	36.1	395.5	51.3	0.0	27.8	277.5	
G99.0	257.7	46.8	0.0	35.9	390.1	50.5	0.0	27.3	257.7	
G100.0	193.2	45.7	0.0	35.7	382.4	49.6	0.0	26.8	193.2	
G101.0	102.8	44.5	0.0	35.6	372.6	49.0	0.0	26.3	102.8	
G102.0	59.1	43.3	0.0	35.4	362.1	48.4	0.0	25.9	59.1	
G103.0	42.0	41.6	0.0	35.2	333.1	47.8	0.0	25.5	42.0	
G104.0	32.8	41.5	0.0	34.8	253.4	47.0	0.0	25.1	32.8	
G105.0	26.5	40.0	0.0	34.5	129.2	46.6	0.0	24.7	26.5	
G106.0	21.9	38.8	0.0	34.1	72.2	45.9	0.0	24.4	21.9	
G107.0	18.0	37.7	0.0	33.7	47.8	45.5	0.0	24.0	18.0	
G108.0	15.1	36.6	0.0	33.3	39.3	45.0	0.0	23.8	15.1	
G109.0	12.7	35.6	0.0	32.8	31.2	44.5	0.0	23.4	12.7	
G110.0	10.9	34.5	0.0	32.4	25.0	44.0	0.0	23.1	10.9	

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	9.3	33.5	0.0	32.0	20.0	43.5	0.0	22.8	9.3	
G112.0	7.8	32.5	0.0	31.5	15.4	42.8	0.0	22.6	7.8	
G113.0	6.9	31.6	0.0	31.0	11.9	42.1	0.0	22.3	6.9	
G114.0	5.9	30.5	0.0	30.4	8.9	41.5	0.0	21.9	5.9	
G115.0	5.1	29.5	0.0	29.9	6.7	41.5	0.0	21.4	5.1	
G116.0	4.3	28.7	0.0	29.3	4.9	41.5	0.0	21.0	4.3	
G117.0	3.7	27.7	0.0	28.5	3.3	40.4	0.0	20.8	3.7	
G118.0	3.2	26.8	0.0	27.9	2.3	39.6	0.0	20.3	3.2	
G119.0	2.7	25.9	0.0	27.4	1.4	38.8	0.0	19.8	2.7	
G120.0	2.3	25.0	0.0	26.6	0.7	38.0	0.0	19.3	2.3	
G121.0	2.0	24.1	0.0	26.0	0.2	37.2	0.0	18.7	2.0	
G122.0	1.6	23.2	0.0	25.3	0.0	36.1	0.0	18.1	1.6	
G123.0	1.2	22.4	0.0	24.6	0.0	35.3	0.0	17.6	1.2	
G124.0	1.0	21.6	0.0	24.0	0.0	34.4	0.0	17.1	1.0	
G125.0	0.7	20.8	0.0	23.4	0.0	33.4	0.0	16.6	0.7	
G126.0	0.4	20.1	0.0	22.7	0.0	32.5	0.0	16.1	0.4	
G127.0	0.3	19.4	0.0	22.1	0.0	31.7	0.0	15.7	0.3	
G128.0	0.1	18.6	0.0	21.4	0.0	30.8	0.0	15.2	0.1	
G129.0	0.0	18.0	0.0	20.8	0.0	30.0	0.0	14.8	0.0	
G130.0	0.0	17.4	0.0	20.1	0.0	28.9	0.0	14.3	0.0	
G131.0	0.0	16.8	0.0	19.6	0.0	27.9	0.0	13.9	0.0	
G132.0	0.0	16.3	0.0	18.9	0.0	27.0	0.0	13.6	0.0	
G133.0	0.0	15.6	0.0	18.3	0.0	26.1	0.0	13.2	0.0	
G134.0	0.0	15.1	0.0	17.7	0.0	25.1	0.0	12.8	0.0	
G135.0	0.0	14.7	0.0	17.2	0.0	24.1	0.0	12.4	0.0	
G136.0	0.0	13.9	0.0	16.7	0.0	23.3	0.0	12.0	0.0	
G137.0	0.0	13.6	0.0	16.1	0.0	22.5	0.0	11.7	0.0	
G138.0	0.0	13.0	0.0	15.6	0.0	21.6	0.0	11.1	0.0	
G139.0	0.0	12.4	0.0	15.1	0.0	20.8	0.0	10.7	0.0	
G140.0	0.0	11.9	0.0	14.7	0.0	20.4	0.0	10.3	0.0	
G141.0	0.0	11.1	0.0	14.3	0.0	19.6	0.0	9.6	0.0	
G142.0	0.0	10.5	0.0	13.9	0.0	18.9	0.0	8.9	0.0	
G143.0	0.0	9.4	0.0	13.5	0.0	18.2	0.0	8.0	0.0	
G144.0	0.0	8.4	0.0	12.9	0.0	17.6	0.0	7.2	0.0	
G145.0	0.0	7.4	0.0	12.5	0.0	17.0	0.0	6.5	0.0	
G146.0	0.0	6.4	0.0	11.9	0.0	16.3	0.0	5.7	0.0	
G147.0	0.0	5.6	0.0	11.3	0.0	15.6	0.0	5.0	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	4.8	0.0	10.6	0.0	14.9	0.0	4.3	0.0	
G149.0	0.0	4.1	0.0	9.9	0.0	14.0	0.0	3.7	0.0	
G150.0	0.0	3.5	0.0	9.0	0.0	13.4	0.0	3.2	0.0	
G151.0	0.0	3.0	0.0	8.1	0.0	12.5	0.0	2.6	0.0	
G152.0	0.0	2.5	0.0	7.2	0.0	11.4	0.0	2.2	0.0	
G153.0	0.0	2.1	0.0	6.3	0.0	10.4	0.0	1.9	0.0	
G154.0	0.0	1.6	0.0	5.4	0.0	9.0	0.0	1.4	0.0	
G155.0	0.0	1.3	0.0	4.6	0.0	8.1	0.0	1.2	0.0	
G156.0	0.0	0.9	0.0	3.8	0.0	7.1	0.0	0.8	0.0	
G157.0	0.0	0.4	0.0	3.0	0.0	6.0	0.0	0.3	0.0	
G158.0	0.0	0.0	0.0	2.4	0.0	5.1	0.0	0.0	0.0	
G159.0	0.0	0.0	0.0	1.8	0.0	4.1	0.0	0.0	0.0	
G160.0	0.0	0.0	0.0	1.4	0.0	3.5	0.0	0.0	0.0	
G161.0	0.0	0.0	0.0	1.0	0.0	2.8	0.0	0.0	0.0	
G162.0	0.0	0.0	0.0	0.4	0.0	2.3	0.0	0.0	0.0	
G163.0	0.0	0.0	0.0	0.1	0.0	1.8	0.0	0.0	0.0	
G164.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	
G165.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	
G166.0	0.0	0.0	0.0	0.0	0.0	0.1	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

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