

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P631606

Luminaire Tested: GWS-SA2B-722-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-722-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

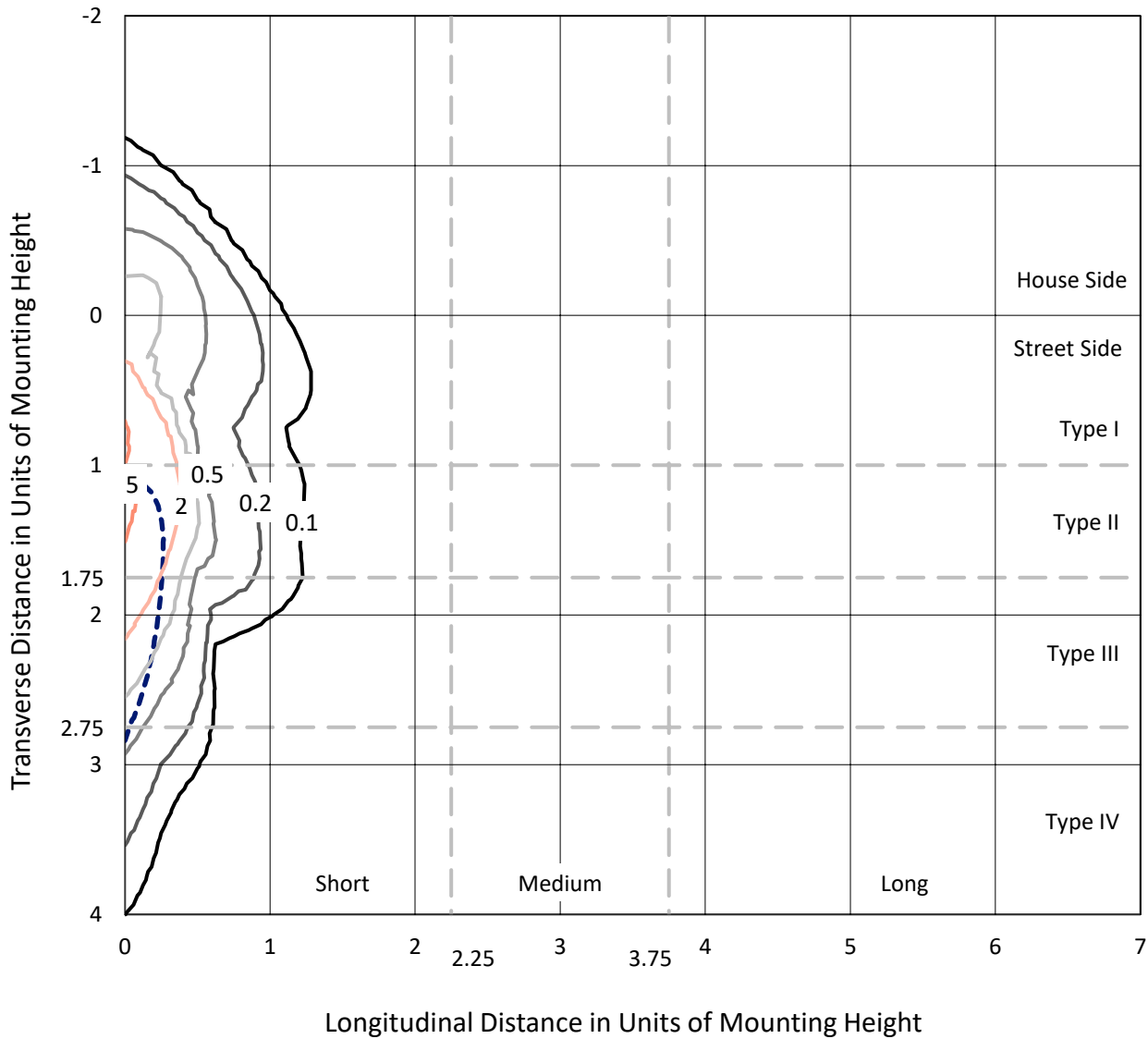
Lumens per Lamp: N/A  
Luminaire Lumens: 3077.8 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P631606  
 CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

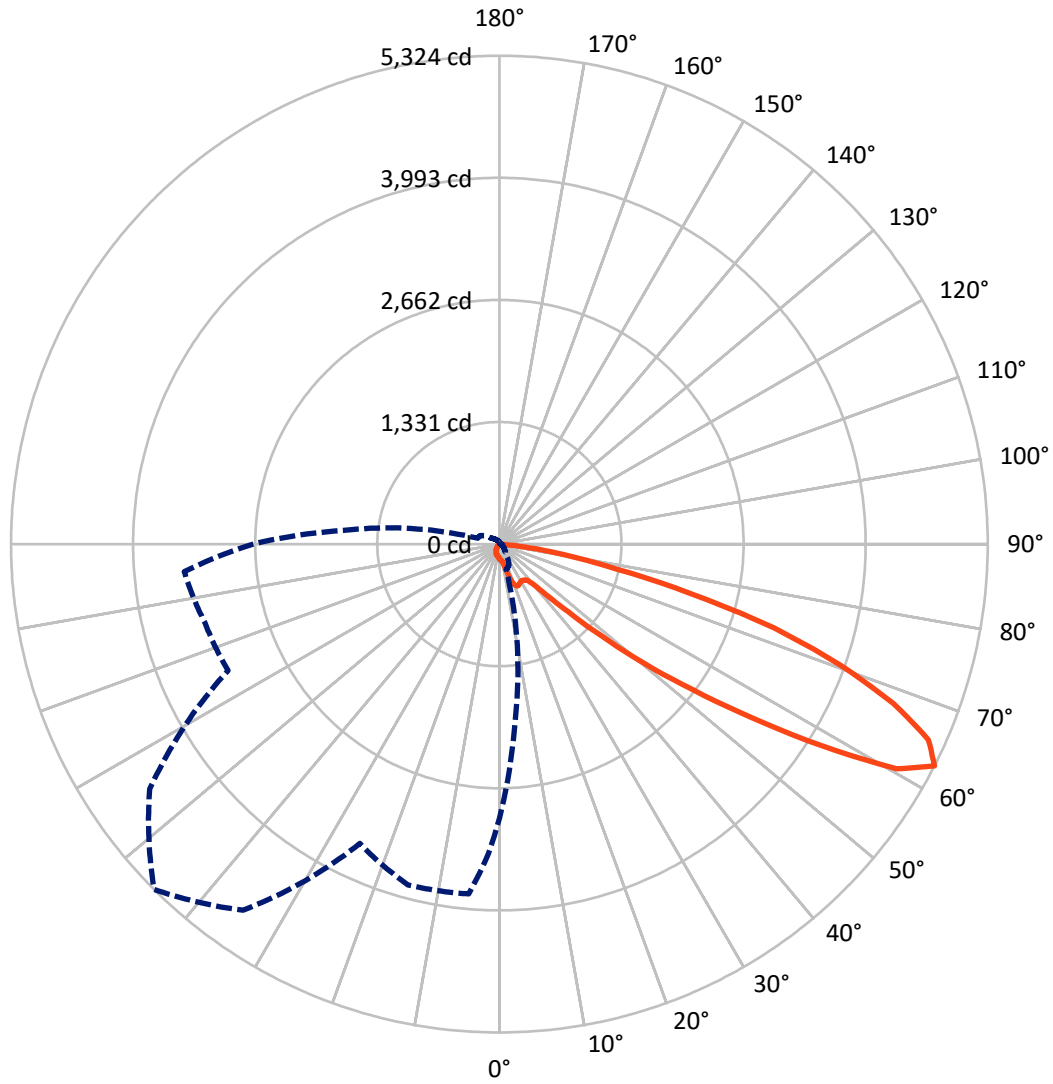
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P631606  
CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P631606  
 CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

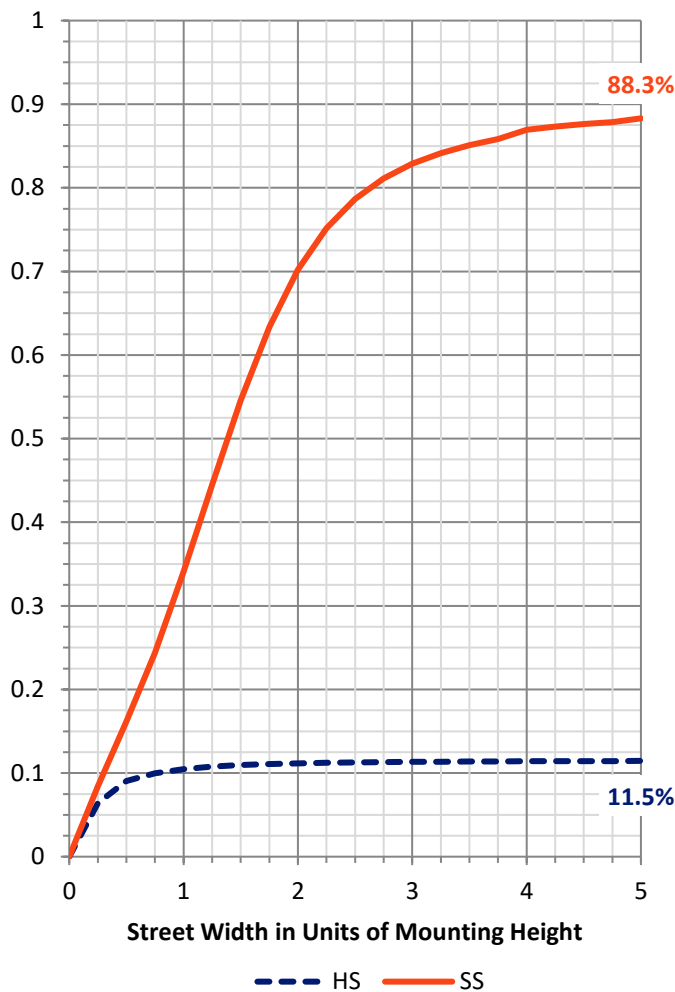
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	357.6	0.0	357.6
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	2720.2	0.0	2720.2
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	3077.8	0.0	3077.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.8	0.4
10°-20°	47.2	1.5
20°-30°	106.7	3.5
30°-40°	183.9	6.0
40°-50°	346.8	11.3
50°-60°	774.4	25.2
60°-70°	1035.8	33.7
70°-80°	519.4	16.9
80°-90°	49.8	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3077.8	100.0
0°-180°	3077.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P631606

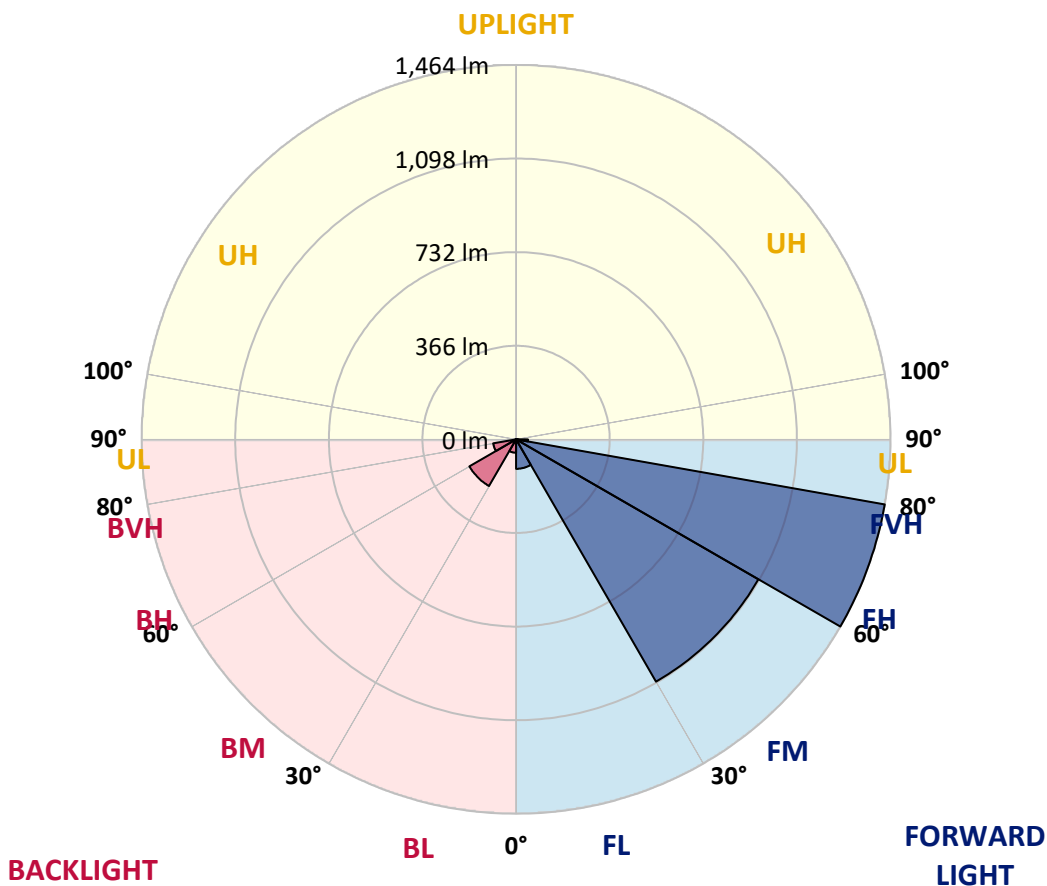
CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.3	3.7			
FM (30°-60°)	1094.2	35.6			
FH (60°-80°)	1464.2	47.6			G1/1800
FVH (80°-90°)	46.5	1.5			G1/100
BL (0°-30°)	52.5	1.7	B0/110		
BM (30°-60°)	210.9	6.9	B0/220		
BH (60°-80°)	90.9	3.0	B0/110		G0/110
BVH (80°-90°)	3.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





REPORT NUMBER: P631606

CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6
2.5°	157.8	157.4	156.7	154.5	152.7	151.6	149.4	149.4	149.1	148.3	146.9
5°	152.7	151.2	149.8	145.8	141.4	138.8	135.9	135.6	135.6	134.8	134.5
7.5°	144.7	143.2	141.4	134.8	130.8	128.3	125.7	125.4	124.3	124.3	124.3
10°	140.3	138.1	135.2	127.9	123.9	121.7	119.9	118.8	118.1	117.0	116.6
12.5°	149.8	145.8	139.6	126.5	121.0	118.1	115.9	115.2	113.0	111.5	110.4
15°	179.3	169.5	157.1	129.7	119.9	115.5	112.6	111.2	109.3	106.8	105.0
17.5°	227.8	213.6	192.8	140.3	118.8	113.3	109.7	107.1	104.6	101.7	99.5
20°	294.8	273.7	248.9	159.6	118.8	110.8	106.4	103.1	99.5	96.2	93.7
22.5°	380.1	359.0	316.7	192.4	120.3	107.5	102.4	98.0	93.7	90.7	87.8
25°	475.6	445.7	406.3	232.1	124.3	103.1	97.7	93.3	89.3	85.6	82.4
27.5°	582.0	549.6	497.1	288.6	133.0	98.8	92.6	88.6	84.9	81.3	76.9
30°	680.0	660.7	607.1	356.4	147.2	95.8	88.6	84.9	81.3	76.5	72.5
32.5°	797.7	763.5	719.4	433.7	166.2	92.9	85.3	80.2	77.3	72.9	68.5
35°	916.2	887.0	829.1	528.8	187.3	90.0	81.3	76.5	74.0	68.9	64.1
37.5°	1038.3	1031.7	974.5	634.1	208.1	86.7	76.5	73.6	71.1	65.2	59.8
40°	1158.5	1146.5	1093.6	754.4	220.8	83.1	72.5	70.7	67.8	61.2	55.0
42.5°	1273.7	1264.6	1213.2	869.5	219.0	79.8	68.5	66.3	64.1	57.6	49.9
45°	1415.1	1400.1	1335.3	954.8	200.4	83.5	64.5	60.9	60.5	54.3	44.8
47.5°	1679.6	1630.4	1520.4	1020.4	181.8	92.9	60.1	55.8	58.3	51.0	39.7
50°	2050.3	1992.3	1833.1	1071.4	181.5	105.3	59.4	51.0	56.5	48.5	35.3
52.5°	2422.7	2320.7	2127.2	1098.7	195.0	114.4	66.0	46.3	54.3	45.9	32.1
55°	2779.5	2567.8	2250.3	1008.4	205.5	124.3	78.0	43.7	50.3	43.0	30.2
57.5°	3119.5	2766.4	2303.9	797.7	240.9	128.3	85.3	44.8	44.5	39.4	28.8
60°	3166.1	2756.9	2195.7	463.9	265.7	121.4	82.4	49.9	39.0	35.0	26.2
62.5°	2989.8	2573.6	1949.0	289.4	246.7	118.8	73.2	56.9	35.3	31.0	23.0
65°	2721.9	2286.1	1625.0	186.6	187.0	131.9	64.1	55.8	33.2	27.3	19.7
67.5°	2303.2	1913.2	1280.2	125.0	105.7	112.6	56.1	38.3	32.4	23.3	15.3
70°	1681.1	1361.9	833.4	83.5	63.0	90.0	47.0	27.3	30.6	19.3	10.9
72.5°	1228.8	915.1	465.4	54.7	35.7	52.5	34.6	19.7	23.7	14.2	7.7
75°	884.5	629.7	265.7	35.0	23.7	28.8	22.6	13.5	15.3	11.3	6.9
77.5°	425.7	306.8	120.6	19.3	16.0	14.6	12.0	8.4	9.5	10.2	6.2
80°	16.0	12.0	9.1	9.5	10.2	6.6	5.5	4.4	5.5	6.9	3.3
82.5°	0.0	0.0	0.0	1.1	1.5	1.8	2.2	1.8	2.2	2.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631606

CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6
2.5°	148.0	147.2	148.0	148.7	149.4	150.1	149.1	149.8	150.5	148.7	149.4
5°	136.3	135.9	138.1	139.2	140.7	141.4	140.7	140.7	140.3	138.1	138.1
7.5°	126.1	126.5	128.3	130.8	132.7	133.7	133.0	132.7	131.6	128.3	128.3
10°	118.4	118.4	121.4	123.5	126.1	127.2	126.5	125.4	124.3	121.0	120.6
12.5°	112.2	112.2	114.4	118.1	121.0	122.4	122.1	120.6	118.8	115.5	115.2
15°	106.4	106.0	109.3	112.6	116.6	118.4	117.7	116.6	113.3	110.4	109.7
17.5°	100.6	100.2	103.1	107.5	111.9	114.4	114.1	111.5	108.6	105.0	104.2
20°	94.8	94.0	97.7	102.0	106.4	109.0	108.2	106.0	102.4	98.8	98.0
22.5°	88.9	88.6	91.1	94.8	98.8	100.9	100.6	98.8	95.1	91.8	91.8
25°	82.4	82.4	84.2	86.7	89.6	90.7	91.1	90.4	88.2	86.4	86.4
27.5°	76.9	75.8	76.5	77.3	78.7	80.5	80.5	81.3	81.6	80.9	81.3
30°	72.5	70.7	69.6	68.1	67.4	68.1	68.9	71.4	74.0	75.4	76.2
32.5°	67.4	65.2	62.3	58.3	55.8	55.0	57.2	62.0	66.7	70.0	71.8
35°	62.3	59.4	53.9	48.1	44.8	43.7	46.3	51.7	58.7	64.5	67.1
37.5°	57.2	53.2	45.6	38.6	35.0	34.3	36.8	42.6	50.7	58.7	62.0
40°	51.4	46.6	37.5	30.2	27.3	26.6	28.8	34.6	43.0	52.1	57.2
42.5°	45.6	39.7	30.2	24.1	21.1	21.1	24.1	28.4	36.1	45.9	52.1
45°	39.7	33.5	24.8	19.3	17.5	17.9	19.7	24.1	30.2	40.5	46.3
47.5°	34.3	28.8	20.4	16.0	14.6	14.9	17.1	20.8	25.9	35.0	41.2
50°	29.5	24.4	17.9	13.5	12.4	13.1	15.3	18.6	23.0	31.0	36.1
52.5°	26.6	21.9	16.4	11.7	10.9	11.7	13.8	16.8	20.8	27.3	32.4
55°	25.1	21.5	16.4	10.6	9.5	10.2	12.4	15.3	18.6	24.8	29.2
57.5°	24.8	22.2	17.5	9.5	8.0	8.7	10.9	13.8	17.1	22.6	26.2
60°	23.3	21.1	17.1	7.7	6.2	7.3	9.1	12.0	15.7	21.1	24.4
62.5°	20.4	18.6	14.9	6.2	4.7	5.5	7.7	10.6	14.2	19.3	23.0
65°	16.8	14.9	11.7	4.0	2.9	3.6	5.8	9.1	12.4	17.5	20.8
67.5°	12.4	10.6	8.0	2.6	1.5	2.6	4.7	7.7	11.3	15.7	19.0
70°	7.7	6.2	4.4	1.5	1.1	2.2	4.4	7.3	10.2	14.6	17.9
72.5°	4.4	2.9	1.8	0.7	1.1	2.2	4.4	7.3	9.8	13.8	16.8
75°	3.3	1.8	0.7	0.4	0.7	1.8	4.0	6.6	9.5	13.1	16.0
77.5°	2.2	1.1	0.4	0.0	0.4	1.5	3.6	6.2	8.7	12.4	15.3
80°	0.4	0.0	0.0	0.0	0.0	1.1	3.3	5.5	8.0	10.9	13.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	2.6	4.7	6.9	9.1	10.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.6	5.5	6.9	7.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	4.4	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P631606  
 CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6
2.5°	149.1	151.2	151.2	152.7	154.5	157.8	159.6	162.2	164.0	165.8	166.5
5°	137.8	138.1	138.5	139.2	141.4	145.0	148.3	152.3	157.1	160.7	162.9
7.5°	128.3	128.3	128.3	129.4	131.6	134.1	137.4	142.9	148.3	152.7	156.3
10°	120.3	121.4	121.7	123.5	126.1	129.4	133.0	137.8	143.9	149.8	156.3
12.5°	115.2	116.3	118.1	119.9	122.4	126.1	130.1	136.3	149.1	161.1	174.9
15°	110.4	111.9	114.1	116.6	119.5	123.5	127.9	140.7	170.6	193.1	215.0
17.5°	105.3	107.5	110.4	113.0	116.6	121.0	126.5	151.2	209.9	247.4	284.6
20°	98.8	101.7	105.0	109.0	113.3	118.4	126.5	173.1	266.8	320.7	369.9
22.5°	92.6	95.5	99.5	104.6	109.7	114.8	128.3	206.3	340.0	408.2	470.5
25°	87.5	91.1	95.1	99.5	105.3	111.2	132.7	252.9	428.2	516.0	560.1
27.5°	82.7	87.1	91.1	94.8	99.9	106.4	142.5	315.2	532.4	621.7	656.3
30°	78.0	83.1	87.1	90.7	95.8	102.8	157.4	394.7	648.3	735.0	738.7
32.5°	74.0	78.7	83.5	87.1	91.8	99.9	178.2	487.6	767.1	850.9	816.7
35°	69.6	75.1	79.4	83.5	88.6	97.3	202.3	587.8	887.0	957.4	894.3
37.5°	65.2	71.4	76.9	79.8	84.9	94.8	219.7	692.4	1009.5	1061.2	962.5
40°	61.2	68.1	74.3	77.3	79.8	91.5	222.3	799.6	1133.7	1163.6	1026.6
42.5°	56.9	64.5	70.0	74.0	76.2	89.3	207.0	889.9	1238.0	1265.7	1110.4
45°	52.1	61.2	65.6	68.5	72.9	90.7	187.3	959.9	1357.1	1404.9	1248.5
47.5°	47.4	57.6	61.2	63.4	69.2	99.5	180.0	1006.5	1553.6	1652.7	1481.4
50°	43.0	54.3	58.3	57.9	68.5	110.8	188.0	1041.9	1848.7	1965.4	1800.6
52.5°	38.3	50.7	55.4	53.9	74.0	119.5	204.1	1070.0	2075.8	2332.0	2229.6
55°	34.3	46.6	51.0	50.7	84.2	126.1	216.5	922.0	2169.8	2672.7	2712.8
57.5°	31.3	42.3	45.9	52.1	90.7	126.1	250.4	654.5	2171.6	2923.4	3354.2
60°	28.8	38.3	40.8	57.2	88.2	119.5	247.8	400.9	2001.4	2906.3	3695.3
62.5°	26.6	34.6	37.9	58.7	78.0	118.4	223.8	248.5	1707.0	2685.1	3447.8
65°	24.8	31.7	36.4	53.9	70.7	126.8	150.9	178.6	1384.5	2432.9	3164.0
67.5°	23.0	29.2	38.6	44.1	64.1	113.3	109.0	126.8	1086.7	2156.3	2903.4
70°	21.5	27.7	40.8	36.1	56.1	88.6	77.3	96.2	832.0	1799.2	2536.4
72.5°	20.4	25.9	34.3	28.4	45.6	68.5	53.9	70.0	543.7	1404.5	2067.8
75°	19.3	23.7	25.1	23.0	33.9	44.8	40.8	47.0	324.0	1026.6	1568.9
77.5°	19.0	22.2	20.4	18.6	23.0	26.6	31.0	31.7	158.2	513.5	822.1
80°	16.8	20.0	17.5	15.3	15.7	17.5	23.0	21.1	36.1	130.5	219.4
82.5°	13.1	15.7	14.6	12.8	12.8	12.8	15.3	14.2	11.7	58.7	99.1
85°	9.1	10.9	10.9	10.2	9.8	9.8	9.5	9.1	3.3	3.6	5.5
87.5°	6.2	7.7	8.0	7.7	6.6	5.8	5.1	4.4	1.5	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631606

CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6
2.5°	169.1	170.2	170.2	168.7	167.6	164.7	161.8	158.9	158.2	157.8
5°	169.1	173.5	175.7	175.3	172.7	168.0	161.8	155.2	153.4	152.7
7.5°	166.5	174.9	181.5	182.6	177.8	169.5	158.2	148.3	145.8	144.7
10°	172.4	188.8	201.9	203.7	198.2	181.8	163.6	146.9	142.9	140.3
12.5°	203.7	230.7	246.7	254.4	243.8	223.0	192.8	162.9	153.8	149.8
15°	267.1	305.4	336.0	336.0	326.2	289.4	251.1	202.6	190.2	179.3
17.5°	348.4	396.5	423.5	420.5	405.6	379.7	333.8	264.2	239.1	227.8
20°	441.0	469.7	475.9	474.1	467.6	452.6	420.9	346.2	312.3	294.8
22.5°	521.1	513.5	504.4	497.1	495.3	499.6	495.3	437.7	411.1	380.1
25°	575.4	532.1	504.7	491.6	497.8	523.0	550.3	528.8	507.6	475.6
27.5°	604.9	529.9	490.5	477.0	487.6	523.3	582.7	619.2	597.3	582.0
30°	621.0	528.1	481.4	468.3	484.3	529.1	605.3	703.7	704.4	680.0
32.5°	643.9	539.7	483.2	471.2	492.7	546.6	633.7	789.7	810.9	797.7
35°	669.8	557.6	491.6	480.7	507.3	570.0	665.4	876.4	920.5	916.2
37.5°	694.2	577.6	511.3	500.7	529.5	590.0	696.1	961.7	1022.9	1038.3
40°	719.7	605.7	571.8	582.0	598.0	621.7	723.4	1035.7	1135.6	1158.5
42.5°	779.9	703.0	754.7	774.0	776.2	727.4	783.2	1130.5	1246.3	1273.7
45°	914.0	876.1	1024.4	1051.7	1037.5	889.6	927.1	1267.1	1401.2	1415.1
47.5°	1083.4	1100.9	1393.6	1488.0	1402.7	1080.9	1101.7	1554.6	1684.7	1679.6
50°	1281.0	1363.7	1812.7	2035.3	1831.2	1329.4	1302.8	1908.1	2065.9	2050.3
52.5°	1514.6	1669.1	2316.3	2632.6	2439.5	1608.9	1598.0	2376.4	2472.6	2422.7
55°	1808.7	1963.9	2895.7	3337.8	3063.0	1950.1	1987.6	2919.4	2938.0	2779.5
57.5°	2247.4	2348.4	3578.7	4146.5	3713.9	2413.6	2685.8	3642.1	3419.8	3119.5
60°	3044.1	2842.9	4238.7	4973.7	4406.3	3065.6	3606.7	4070.3	3580.1	3166.1
62.5°	3321.4	3262.7	4651.9	5323.6	4872.0	3600.9	3846.2	3827.6	3372.4	2989.8
65°	2901.2	3158.1	4577.9	5138.8	4812.3	3512.7	3451.5	3559.7	3138.4	2721.9
67.5°	2680.0	2912.5	4297.7	4629.0	4481.0	3213.5	3076.5	3047.0	2634.8	2303.2
70°	2457.0	2687.3	3891.4	3932.5	3863.7	2725.9	2545.9	2348.0	1969.4	1681.1
72.5°	2188.7	2315.6	3327.6	3132.3	3054.3	2141.0	2103.1	1768.2	1476.3	1228.8
75°	1908.9	1872.1	2594.4	2149.8	2208.1	1665.8	1776.2	1298.5	1081.6	884.5
77.5°	1388.5	1361.1	1737.6	1305.7	1446.0	1091.1	980.3	518.2	493.4	425.7
80°	774.8	934.0	938.4	731.8	912.9	711.4	245.3	17.1	10.9	16.0
82.5°	360.1	401.6	508.7	339.3	520.8	352.4	50.7	0.0	0.0	0.0
85°	116.6	170.6	142.9	49.9	126.1	119.2	8.4	0.0	0.0	0.0
87.5°	6.9	14.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)