

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: P631936

Luminaire Tested: GWS-SA2B-760-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631936  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

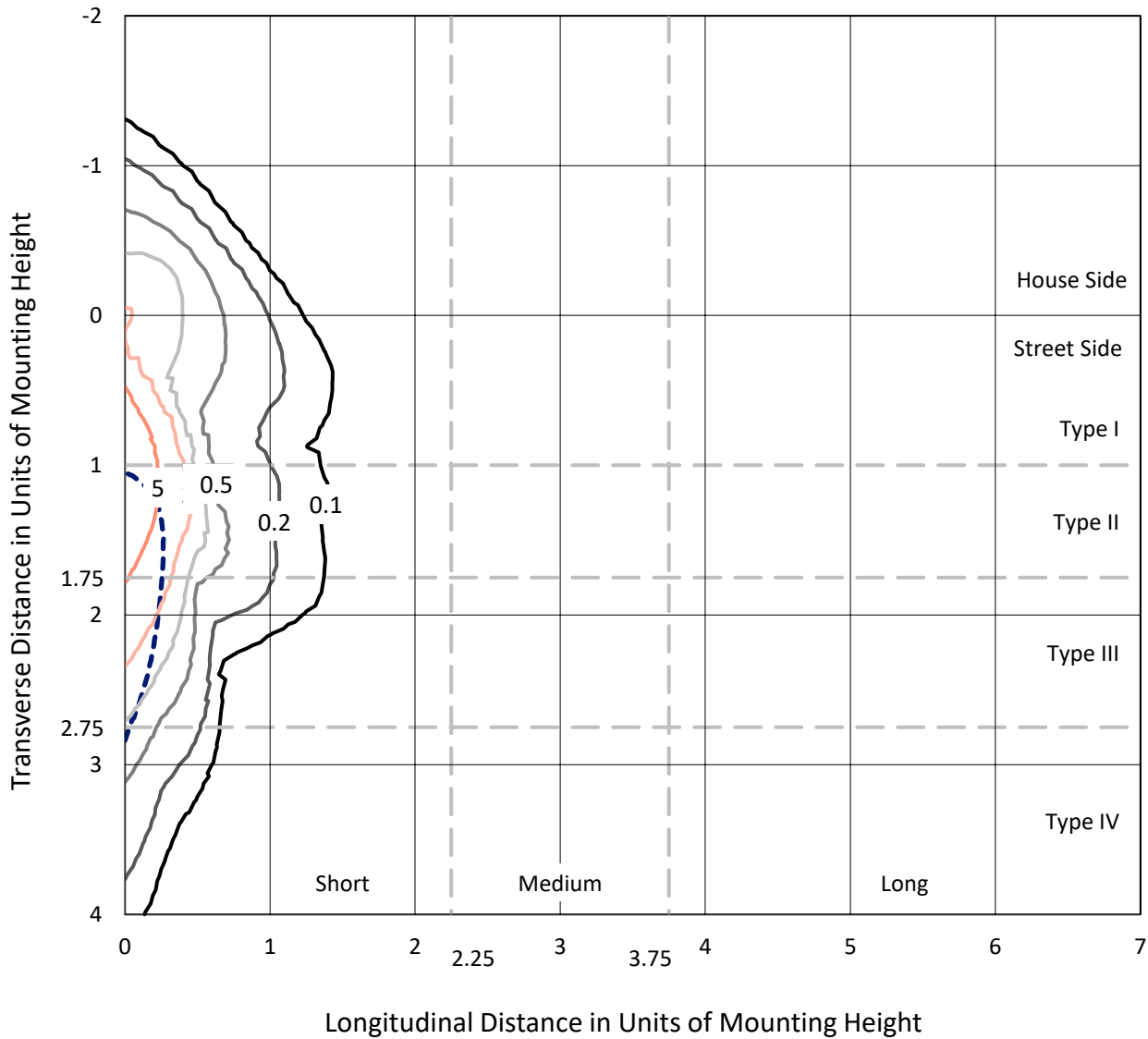
Lumens per Lamp: N/A  
Luminaire Lumens: 4215.6 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P631936  
 CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

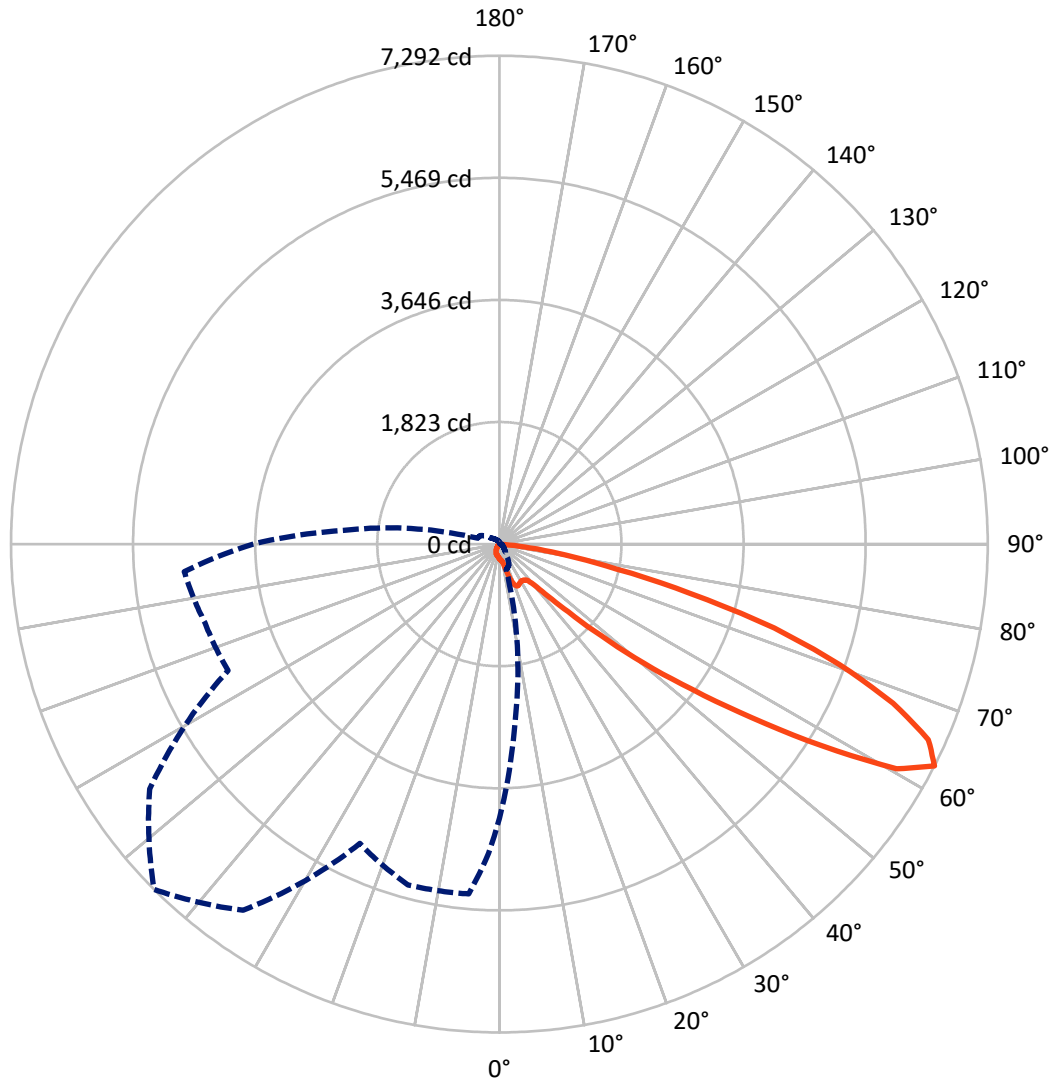
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P631936  
CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P631936  
 CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

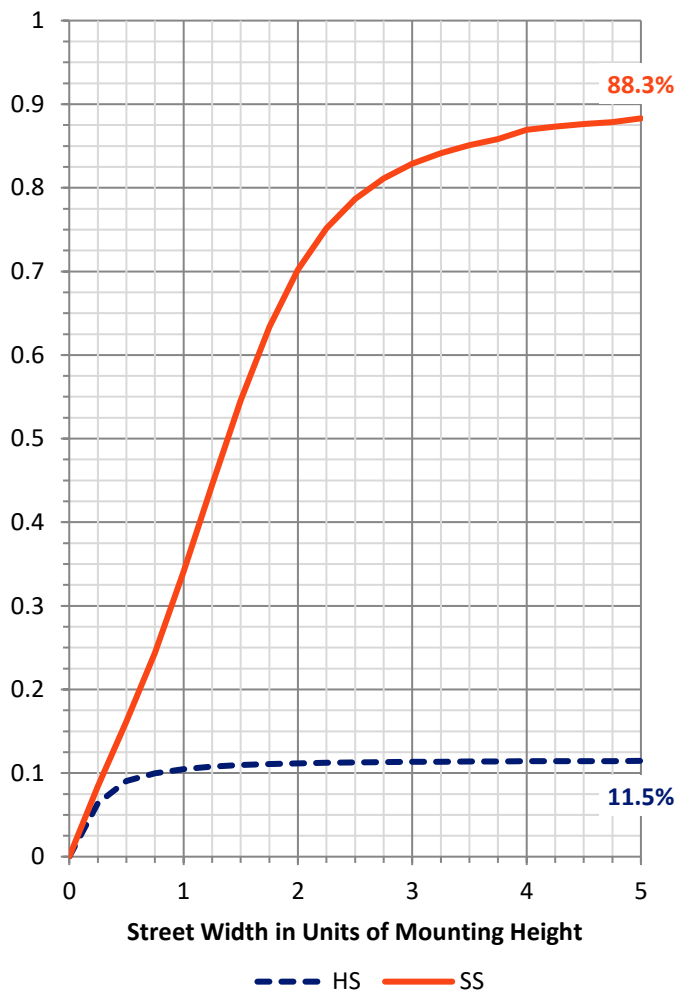
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	489.8	0.0	489.8
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	3725.8	0.0	3725.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	4215.6	0.0	4215.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.9	0.4
10°-20°	64.7	1.5
20°-30°	146.2	3.5
30°-40°	251.8	6.0
40°-50°	475.1	11.3
50°-60°	1060.7	25.2
60°-70°	1418.6	33.7
70°-80°	711.4	16.9
80°-90°	68.2	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°	4215.6	100.0
0°-180°	4215.6	100.0

**Coefficient of Utilization**

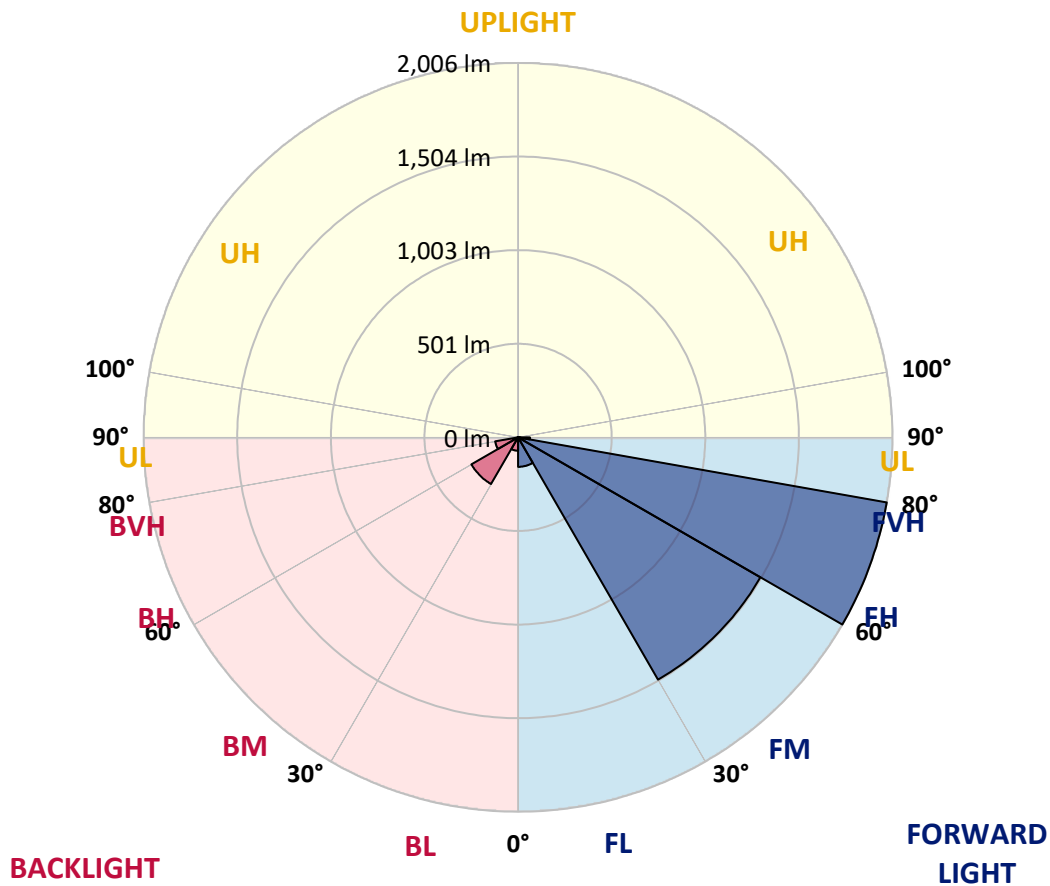


REPORT NUMBER: P631936  
 CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.9	3.7			
FM (30°-60°)	1498.8	35.6			
FH (60°-80°)	2005.5	47.6			G2/5000
FVH (80°-90°)	63.7	1.5			G1/100
BL (0°-30°)	71.9	1.7	B0/110		
BM (30°-60°)	288.8	6.9	B1/1000		
BH (60°-80°)	124.6	3.0	B1/500		G1/500
BVH (80°-90°)	4.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Short





REPORT NUMBER: P631936

CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6
2.5°	216.1	215.6	214.6	211.6	209.1	207.6	204.7	204.7	204.2	203.2	201.2
5°	209.1	207.1	205.2	199.7	193.7	190.2	186.2	185.7	185.7	184.7	184.2
7.5°	198.2	196.2	193.7	184.7	179.2	175.7	172.2	171.7	170.2	170.2	170.2
10°	192.2	189.2	185.2	175.2	169.7	166.7	164.2	162.7	161.7	160.2	159.7
12.5°	205.2	199.7	191.2	173.2	165.7	161.7	158.7	157.7	154.7	152.7	151.2
15°	245.6	232.1	215.1	177.7	164.2	158.2	154.2	152.2	149.7	146.3	143.8
17.5°	312.0	292.5	264.0	192.2	162.7	155.2	150.2	146.7	143.3	139.3	136.3
20°	403.8	374.9	340.9	218.6	162.7	151.7	145.8	141.3	136.3	131.8	128.3
22.5°	520.6	491.7	433.8	263.6	164.7	147.2	140.3	134.3	128.3	124.3	120.3
25°	651.4	610.5	556.6	318.0	170.2	141.3	133.8	127.8	122.3	117.3	112.8
27.5°	797.1	752.7	680.8	395.3	182.2	135.3	126.8	121.3	116.3	111.3	105.3
30°	931.4	905.0	831.6	488.2	201.7	131.3	121.3	116.3	111.3	104.8	99.3
32.5°	1092.6	1045.7	985.3	594.0	227.6	127.3	116.8	109.8	105.8	99.8	93.8
35°	1254.9	1214.9	1135.6	724.3	256.6	123.3	111.3	104.8	101.3	94.3	87.9
37.5°	1422.1	1413.1	1334.7	868.5	285.0	118.8	104.8	100.8	97.3	89.3	81.9
40°	1586.8	1570.3	1497.9	1033.2	302.5	113.8	99.3	96.8	92.8	83.9	75.4
42.5°	1744.5	1732.0	1661.7	1191.0	300.0	109.3	93.8	90.8	87.9	78.9	68.4
45°	1938.2	1917.7	1828.9	1307.8	274.5	114.3	88.3	83.4	82.9	74.4	61.4
47.5°	2300.6	2233.2	2082.4	1397.6	249.1	127.3	82.4	76.4	79.9	69.9	54.4
50°	2808.2	2728.8	2510.7	1467.5	248.6	144.3	81.4	69.9	77.4	66.4	48.4
52.5°	3318.3	3178.6	2913.5	1504.9	267.0	156.7	90.3	63.4	74.4	62.9	43.9
55°	3807.0	3517.0	3082.2	1381.1	281.5	170.2	106.8	59.9	68.9	58.9	41.4
57.5°	4272.7	3789.0	3155.6	1092.6	329.9	175.7	116.8	61.4	60.9	53.9	39.4
60°	4336.6	3776.1	3007.4	635.4	363.9	166.2	112.8	68.4	53.4	47.9	35.9
62.5°	4095.0	3525.0	2669.4	396.3	337.9	162.7	100.3	77.9	48.4	42.4	31.4
65°	3728.1	3131.2	2225.7	255.6	256.1	180.7	87.9	76.4	45.4	37.4	27.0
67.5°	3154.6	2620.5	1753.5	171.2	144.8	154.2	76.9	52.4	44.4	31.9	21.0
70°	2302.6	1865.3	1141.6	114.3	86.4	123.3	64.4	37.4	41.9	26.5	15.0
72.5°	1683.1	1253.4	637.4	74.9	48.9	71.9	47.4	27.0	32.4	19.5	10.5
75°	1211.4	862.5	363.9	47.9	32.4	39.4	30.9	18.5	21.0	15.5	9.5
77.5°	583.0	420.3	165.2	26.5	22.0	20.0	16.5	11.5	13.0	14.0	8.5
80°	22.0	16.5	12.5	13.0	14.0	9.0	7.5	6.0	7.5	9.5	4.5
82.5°	0.0	0.0	0.0	1.5	2.0	2.5	3.0	2.5	3.0	3.5	0.5
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: P631936

CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6
2.5°	202.7	201.7	202.7	203.7	204.7	205.6	204.2	205.2	206.1	203.7	204.7
5°	186.7	186.2	189.2	190.7	192.7	193.7	192.7	192.7	192.2	189.2	189.2
7.5°	172.7	173.2	175.7	179.2	181.7	183.2	182.2	181.7	180.2	175.7	175.7
10°	162.2	162.2	166.2	169.2	172.7	174.2	173.2	171.7	170.2	165.7	165.2
12.5°	153.7	153.7	156.7	161.7	165.7	167.7	167.2	165.2	162.7	158.2	157.7
15°	145.8	145.3	149.7	154.2	159.7	162.2	161.2	159.7	155.2	151.2	150.2
17.5°	137.8	137.3	141.3	147.2	153.2	156.7	156.2	152.7	148.7	143.8	142.8
20°	129.8	128.8	133.8	139.8	145.8	149.2	148.2	145.3	140.3	135.3	134.3
22.5°	121.8	121.3	124.8	129.8	135.3	138.3	137.8	135.3	130.3	125.8	125.8
25°	112.8	112.8	115.3	118.8	122.8	124.3	124.8	123.8	120.8	118.3	118.3
27.5°	105.3	103.8	104.8	105.8	107.8	110.3	110.3	111.3	111.8	110.8	111.3
30°	99.3	96.8	95.3	93.3	92.3	93.3	94.3	97.8	101.3	103.3	104.3
32.5°	92.3	89.3	85.4	79.9	76.4	75.4	78.4	84.9	91.3	95.8	98.3
35°	85.4	81.4	73.9	65.9	61.4	59.9	63.4	70.9	80.4	88.3	91.8
37.5°	78.4	72.9	62.4	52.9	47.9	46.9	50.4	58.4	69.4	80.4	84.9
40°	70.4	63.9	51.4	41.4	37.4	36.4	39.4	47.4	58.9	71.4	78.4
42.5°	62.4	54.4	41.4	32.9	29.0	29.0	32.9	38.9	49.4	62.9	71.4
45°	54.4	45.9	33.9	26.5	24.0	24.5	27.0	32.9	41.4	55.4	63.4
47.5°	46.9	39.4	28.0	22.0	20.0	20.5	23.5	28.5	35.4	47.9	56.4
50°	40.4	33.4	24.5	18.5	17.0	18.0	21.0	25.5	31.4	42.4	49.4
52.5°	36.4	29.9	22.5	16.0	15.0	16.0	19.0	23.0	28.5	37.4	44.4
55°	34.4	29.4	22.5	14.5	13.0	14.0	17.0	21.0	25.5	33.9	39.9
57.5°	33.9	30.4	24.0	13.0	11.0	12.0	15.0	19.0	23.5	30.9	35.9
60°	31.9	29.0	23.5	10.5	8.5	10.0	12.5	16.5	21.5	29.0	33.4
62.5°	28.0	25.5	20.5	8.5	6.5	7.5	10.5	14.5	19.5	26.5	31.4
65°	23.0	20.5	16.0	5.5	4.0	5.0	8.0	12.5	17.0	24.0	28.5
67.5°	17.0	14.5	11.0	3.5	2.0	3.5	6.5	10.5	15.5	21.5	26.0
70°	10.5	8.5	6.0	2.0	1.5	3.0	6.0	10.0	14.0	20.0	24.5
72.5°	6.0	4.0	2.5	1.0	1.5	3.0	6.0	10.0	13.5	19.0	23.0
75°	4.5	2.5	1.0	0.5	1.0	2.5	5.5	9.0	13.0	18.0	22.0
77.5°	3.0	1.5	0.5	0.0	0.5	2.0	5.0	8.5	12.0	17.0	21.0
80°	0.5	0.0	0.0	0.0	0.0	1.5	4.5	7.5	11.0	15.0	18.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	3.5	6.5	9.5	12.5	15.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	7.5	9.5	10.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	5.0	6.0	7.0
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: P631936

CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6
2.5°	204.2	207.1	207.1	209.1	211.6	216.1	218.6	222.1	224.6	227.1	228.1
5°	188.7	189.2	189.7	190.7	193.7	198.7	203.2	208.6	215.1	220.1	223.1
7.5°	175.7	175.7	175.7	177.2	180.2	183.7	188.2	195.7	203.2	209.1	214.1
10°	164.7	166.2	166.7	169.2	172.7	177.2	182.2	188.7	197.2	205.2	214.1
12.5°	157.7	159.2	161.7	164.2	167.7	172.7	178.2	186.7	204.2	220.6	239.6
15°	151.2	153.2	156.2	159.7	163.7	169.2	175.2	192.7	233.6	264.5	294.5
17.5°	144.3	147.2	151.2	154.7	159.7	165.7	173.2	207.1	287.5	338.9	389.8
20°	135.3	139.3	143.8	149.2	155.2	162.2	173.2	237.1	365.4	439.3	506.6
22.5°	126.8	130.8	136.3	143.3	150.2	157.2	175.7	282.5	465.7	559.0	644.4
25°	119.8	124.8	130.3	136.3	144.3	152.2	181.7	346.4	586.5	706.8	767.2
27.5°	113.3	119.3	124.8	129.8	136.8	145.8	195.2	431.8	729.3	851.5	899.0
30°	106.8	113.8	119.3	124.3	131.3	140.8	215.6	540.6	888.0	1006.8	1011.8
32.5°	101.3	107.8	114.3	119.3	125.8	136.8	244.1	667.9	1050.7	1165.5	1118.6
35°	95.3	102.8	108.8	114.3	121.3	133.3	277.0	805.1	1214.9	1311.3	1224.9
37.5°	89.3	97.8	105.3	109.3	116.3	129.8	301.0	948.4	1382.6	1453.5	1318.3
40°	83.9	93.3	101.8	105.8	109.3	125.3	304.5	1095.1	1552.9	1593.8	1406.1
42.5°	77.9	88.3	95.8	101.3	104.3	122.3	283.5	1218.9	1695.6	1733.5	1520.9
45°	71.4	83.9	89.8	93.8	99.8	124.3	256.6	1314.8	1858.8	1924.2	1710.1
47.5°	64.9	78.9	83.9	86.9	94.8	136.3	246.6	1378.6	2127.9	2263.6	2029.0
50°	58.9	74.4	79.9	79.4	93.8	151.7	257.6	1427.1	2532.2	2691.9	2466.3
52.5°	52.4	69.4	75.9	73.9	101.3	163.7	279.5	1465.5	2843.2	3194.1	3053.8
55°	46.9	63.9	69.9	69.4	115.3	172.7	296.5	1262.8	2971.9	3660.8	3715.7
57.5°	42.9	57.9	62.9	71.4	124.3	172.7	342.9	896.5	2974.4	4004.2	4594.2
60°	39.4	52.4	55.9	78.4	120.8	163.7	339.4	549.1	2741.3	3980.7	5061.4
62.5°	36.4	47.4	51.9	80.4	106.8	162.2	306.5	340.4	2338.0	3677.7	4722.4
65°	33.9	43.4	49.9	73.9	96.8	173.7	206.6	244.6	1896.3	3332.3	4333.6
67.5°	31.4	39.9	52.9	60.4	87.9	155.2	149.2	173.7	1488.5	2953.5	3976.7
70°	29.4	37.9	55.9	49.4	76.9	121.3	105.8	131.8	1139.6	2464.3	3474.1
72.5°	28.0	35.4	46.9	38.9	62.4	93.8	73.9	95.8	744.7	1923.7	2832.2
75°	26.5	32.4	34.4	31.4	46.4	61.4	55.9	64.4	443.7	1406.1	2148.8
77.5°	26.0	30.4	28.0	25.5	31.4	36.4	42.4	43.4	216.6	703.3	1126.1
80°	23.0	27.5	24.0	21.0	21.5	24.0	31.4	29.0	49.4	178.7	300.5
82.5°	18.0	21.5	20.0	17.5	17.5	17.5	21.0	19.5	16.0	80.4	135.8
85°	12.5	15.0	15.0	14.0	13.5	13.5	13.0	12.5	4.5	5.0	7.5
87.5°	8.5	10.5	11.0	10.5	9.0	8.0	7.0	6.0	2.0	0.0	1.0
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: P631936

CATALOG NUMBER: GWS-SA2B-760-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6	218.6
2.5°	231.6	233.1	233.1	231.1	229.6	225.6	221.6	217.6	216.6	216.1
5°	231.6	237.6	240.6	240.1	236.6	230.1	221.6	212.6	210.1	209.1
7.5°	228.1	239.6	248.6	250.1	243.6	232.1	216.6	203.2	199.7	198.2
10°	236.1	258.6	276.5	279.0	271.5	249.1	224.1	201.2	195.7	192.2
12.5°	279.0	316.0	337.9	348.4	333.9	305.5	264.0	223.1	210.6	205.2
15°	365.9	418.3	460.2	460.2	446.7	396.3	343.9	277.5	260.6	245.6
17.5°	477.2	543.1	580.0	576.0	555.6	520.1	457.2	361.9	327.4	312.0
20°	604.0	643.4	651.9	649.4	640.4	619.9	576.5	474.2	427.8	403.8
22.5°	713.8	703.3	690.8	680.8	678.3	684.3	678.3	599.5	563.0	520.6
25°	788.2	728.8	691.3	673.4	681.8	716.3	753.7	724.3	695.3	651.4
27.5°	828.6	725.8	671.9	653.4	667.9	716.8	798.1	848.1	818.1	797.1
30°	850.5	723.3	659.4	641.4	663.4	724.8	829.1	963.9	964.9	931.4
32.5°	882.0	739.2	661.9	645.4	674.8	748.7	868.0	1081.7	1110.6	1092.6
35°	917.4	763.7	673.4	658.4	694.8	780.7	911.4	1200.5	1260.8	1254.9
37.5°	950.9	791.2	700.3	685.8	725.3	808.1	953.4	1317.3	1401.1	1422.1
40°	985.8	829.6	783.2	797.1	819.1	851.5	990.8	1418.6	1555.3	1586.8
42.5°	1068.2	962.9	1033.7	1060.2	1063.2	996.3	1072.7	1548.4	1707.1	1744.5
45°	1251.9	1200.0	1403.1	1440.5	1421.1	1218.4	1269.8	1735.5	1919.2	1938.2
47.5°	1484.0	1507.9	1908.7	2038.0	1921.2	1480.5	1508.9	2129.4	2307.6	2300.6
50°	1754.5	1867.8	2482.8	2787.7	2508.2	1820.9	1784.5	2613.5	2829.7	2808.2
52.5°	2074.5	2286.1	3172.6	3605.8	3341.3	2203.7	2188.8	3254.9	3386.7	3318.3
55°	2477.3	2689.9	3966.2	4571.7	4195.3	2670.9	2722.4	3998.7	4024.1	3807.0
57.5°	3078.2	3216.5	4901.6	5679.3	5086.8	3305.9	3678.7	4988.5	4684.0	4272.7
60°	4169.4	3893.9	5805.6	6812.4	6035.2	4198.8	4940.1	5575.0	4903.6	4336.6
62.5°	4549.2	4468.9	6371.6	7291.6	6673.1	4932.1	5268.0	5242.6	4619.1	4095.0
65°	3973.7	4325.6	6270.3	7038.5	6591.3	4811.3	4727.4	4875.7	4298.7	3728.1
67.5°	3670.7	3989.2	5886.5	6340.2	6137.5	4401.5	4213.8	4173.4	3608.8	3154.6
70°	3365.3	3680.7	5329.9	5386.3	5292.0	3733.6	3487.1	3216.0	2697.4	2302.6
72.5°	2997.9	3171.6	4557.7	4290.2	4183.4	2932.5	2880.6	2421.9	2022.1	1683.1
75°	2614.5	2564.1	3553.4	2944.5	3024.3	2281.6	2432.9	1778.5	1481.5	1211.4
77.5°	1901.8	1864.3	2379.9	1788.4	1980.6	1494.5	1342.7	709.8	675.8	583.0
80°	1061.2	1279.3	1285.3	1002.3	1250.4	974.3	335.9	23.5	15.0	22.0
82.5°	493.2	550.1	696.8	464.7	713.3	482.7	69.4	0.0	0.0	0.0
85°	159.7	233.6	195.7	68.4	172.7	163.2	11.5	0.0	0.0	0.0
87.5°	9.5	19.5	5.0	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

(END OF REPORT)