

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: P629960

Luminaire Tested: GWS-SA1C-760-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629960  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

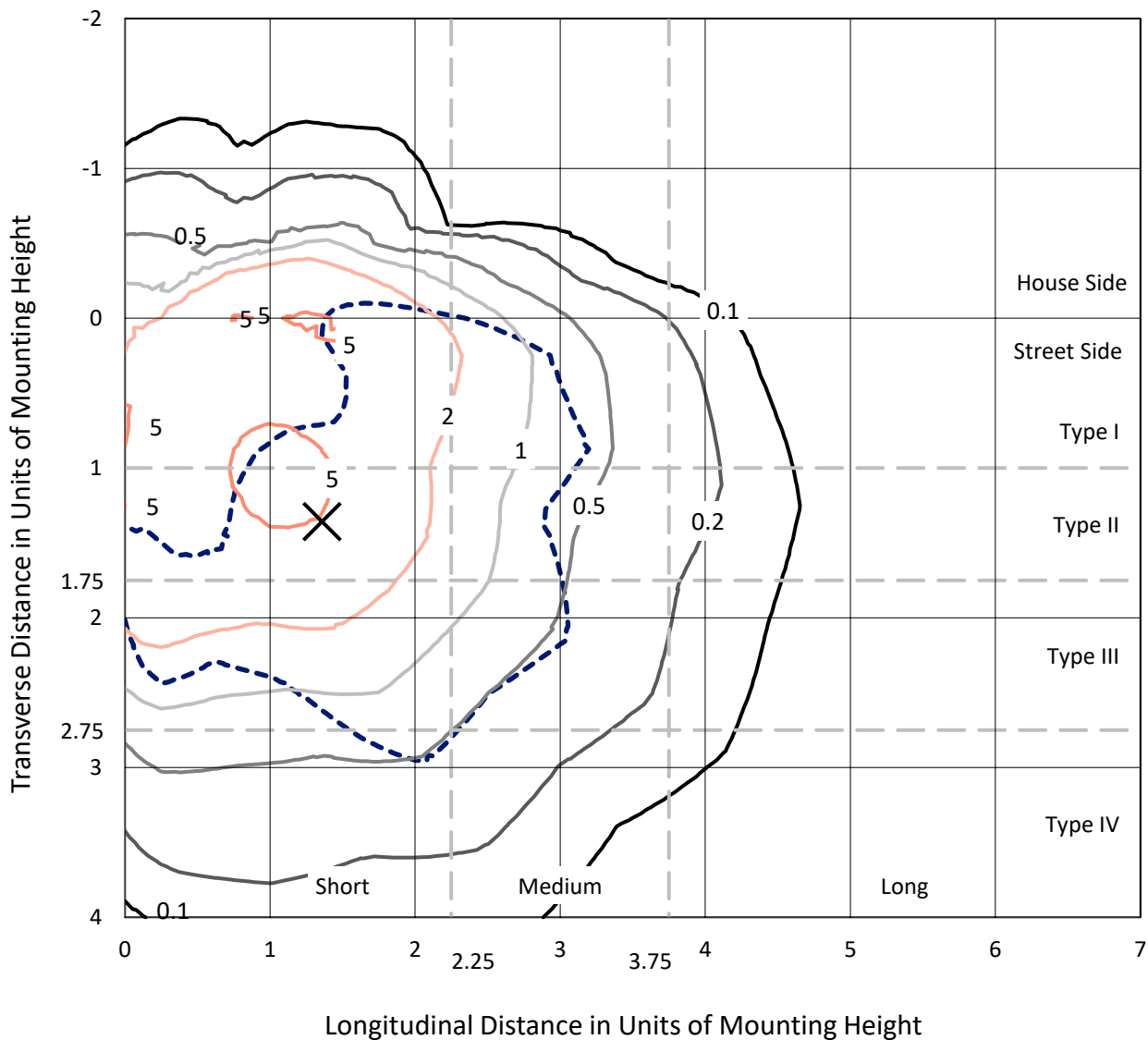
Lumens per Lamp: N/A  
Luminaire Lumens: 3009.5 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P629960  
 CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

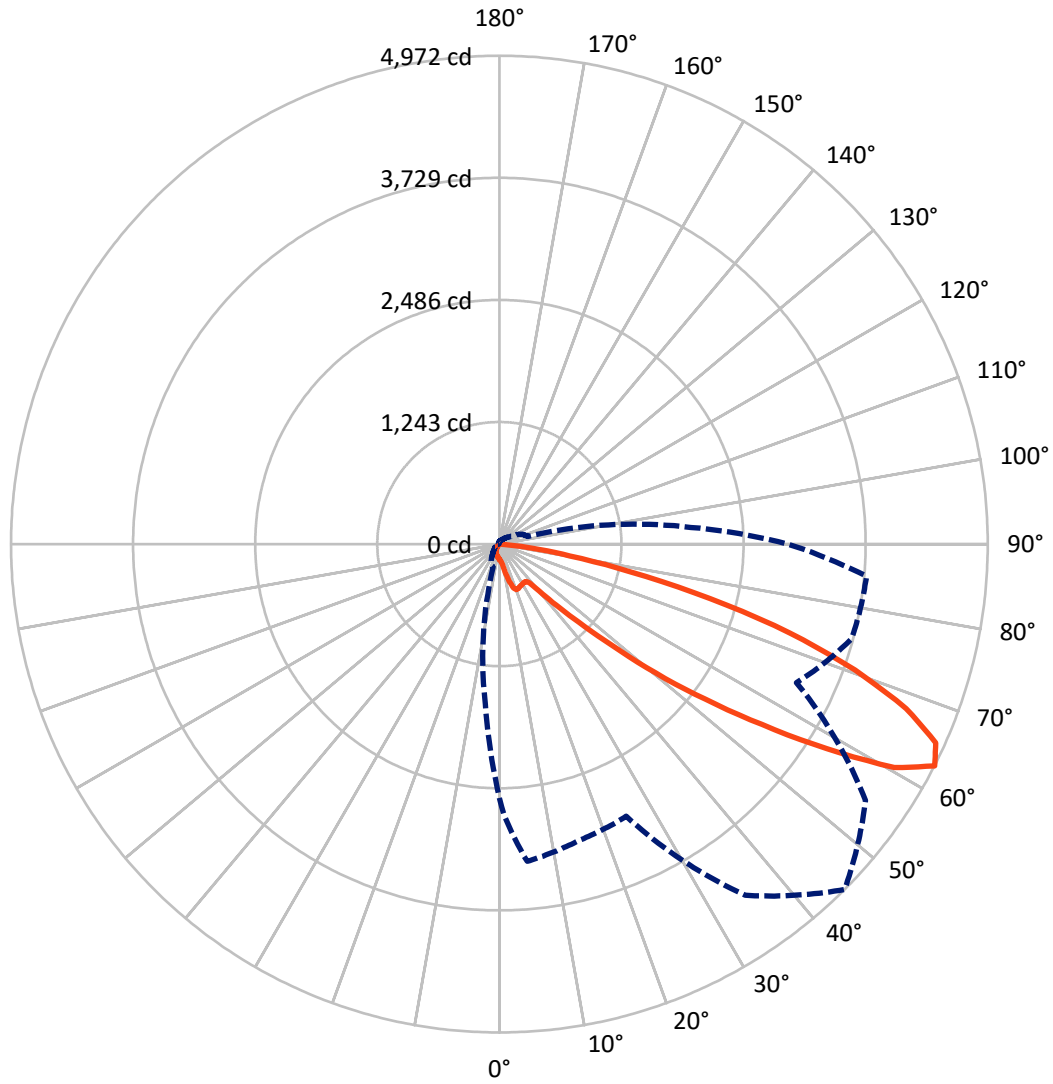
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P629960  
CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P629960  
 CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

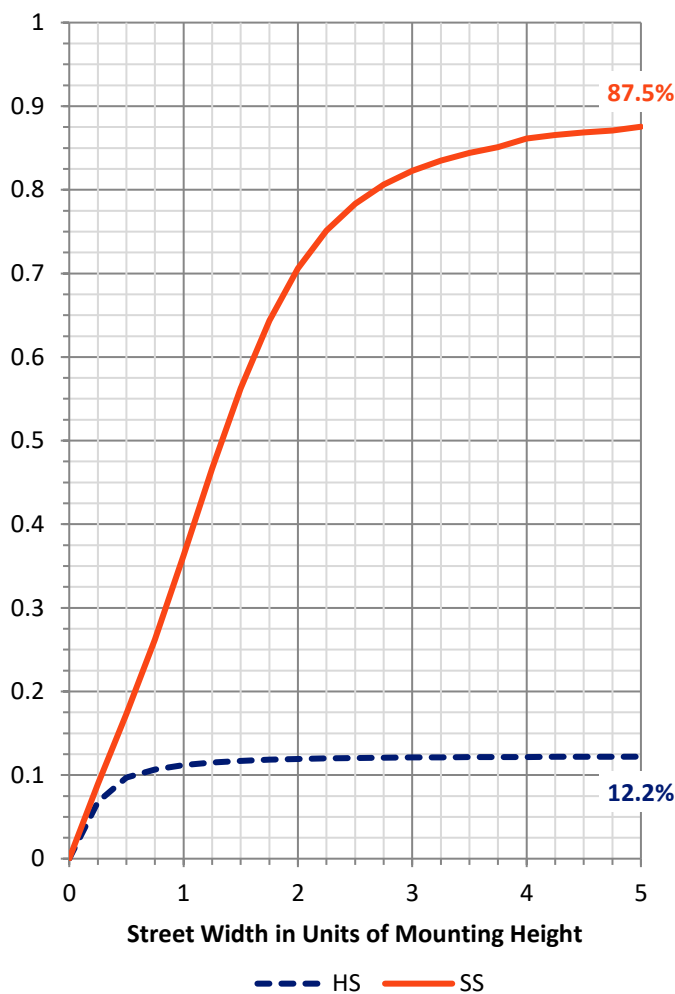
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	371.4	0.0	371.4
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	2638.1	0.0	2638.1
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	3009.5	0.0	3009.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	0.5
10°-20°	52.5	1.7
20°-30°	114.1	3.8
30°-40°	187.2	6.2
40°-50°	344.2	11.4
50°-60°	739.1	24.6
60°-70°	992.7	33.0
70°-80°	516.9	17.2
80°-90°	49.0	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°	3009.5	100.0
0°-180°	3009.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629960

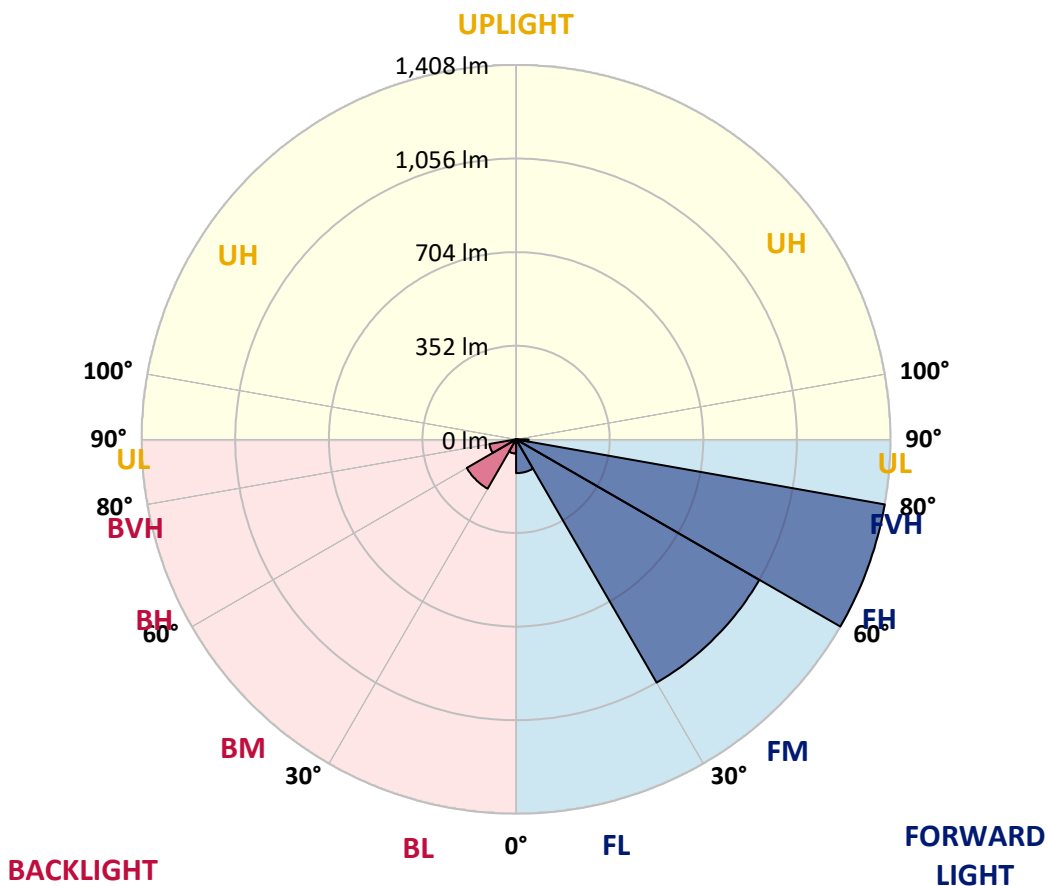
CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.1	4.2			
FM (30°-60°)	1056.3	35.1			
FH (60°-80°)	1407.9	46.8			G1/1800
FVH (80°-90°)	46.8	1.6			G1/100
BL (0°-30°)	53.3	1.8	B0/110		
BM (30°-60°)	214.2	7.1	B0/220		
BH (60°-80°)	101.8	3.4	B0/110		G0/110
BVH (80°-90°)	2.2	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 IV Short





REPORT NUMBER: P629960  
 CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	159.6	160.3	161.0	163.4	165.1	166.5	166.9	165.8	163.4	161.0	157.5
5°	154.7	155.4	157.8	164.4	171.0	176.2	178.0	176.9	171.0	163.4	155.4
7.5°	154.3	155.7	161.6	175.6	189.8	200.6	203.4	200.9	189.8	174.5	158.2
10°	166.9	169.3	178.0	203.0	229.1	248.2	255.9	245.4	227.7	199.9	173.1
12.5°	199.5	203.7	220.4	256.9	297.2	322.6	333.0	320.2	292.4	252.0	209.6
15°	251.0	257.2	282.3	336.8	384.5	407.1	410.5	403.2	370.9	326.4	269.4
17.5°	323.6	332.7	371.6	427.2	461.6	469.6	468.6	461.0	437.3	406.7	352.8
20°	410.5	421.3	459.6	505.4	508.9	499.5	494.3	489.8	481.8	476.6	434.5
22.5°	498.1	511.4	551.3	562.8	531.5	504.4	491.5	495.0	506.8	532.6	515.5
25°	585.4	597.9	635.5	604.5	541.9	496.8	480.4	488.8	516.9	572.5	594.4
27.5°	687.3	696.6	718.9	633.0	543.7	490.5	474.5	487.4	521.8	597.6	681.0
30°	793.3	798.8	788.1	640.7	537.8	481.1	468.6	487.4	530.1	614.3	746.0
32.5°	871.1	872.2	837.1	641.4	534.6	473.5	463.0	485.3	538.1	628.2	808.9
35°	951.4	946.2	884.0	651.8	543.0	476.2	467.2	491.2	550.6	644.5	864.2
37.5°	1032.8	1023.4	936.5	668.8	564.5	506.5	500.9	521.4	570.8	667.1	925.0
40°	1116.2	1103.4	991.1	694.6	612.5	609.4	628.5	626.1	626.1	695.9	987.6
42.5°	1218.1	1203.1	1071.7	767.2	724.4	794.3	846.5	814.1	754.3	762.3	1068.9
45°	1352.6	1339.7	1211.5	906.3	900.0	1060.6	1130.8	1066.9	918.1	915.6	1204.9
47.5°	1567.8	1565.4	1434.3	1067.6	1114.8	1399.5	1535.1	1412.1	1104.8	1078.0	1462.1
50°	1870.2	1862.9	1712.1	1256.7	1370.3	1819.5	2061.4	1856.3	1330.4	1267.4	1806.6
52.5°	2210.9	2218.5	2101.0	1463.2	1641.8	2286.7	2623.5	2365.2	1575.4	1508.3	2240.1
55°	2531.7	2575.5	2544.6	1704.8	1907.1	2802.5	3240.9	2923.5	1878.9	1823.6	2726.1
57.5°	2782.7	2906.1	3123.1	2055.9	2218.9	3406.0	3930.2	3528.7	2233.1	2335.7	3387.6
60°	2796.6	2960.0	3463.7	2790.4	2620.0	3923.6	4618.5	4120.0	2790.0	3205.1	3905.9
62.5°	2587.0	2762.2	3241.9	3124.1	3057.0	4364.1	4971.7	4551.1	3337.9	3714.4	3752.3
65°	2347.2	2524.1	2994.4	2745.5	3006.3	4345.3	4882.0	4561.2	3387.6	3368.1	3477.3
67.5°	1984.6	2143.5	2569.3	2430.2	2770.9	4135.7	4467.7	4273.7	3121.0	3150.2	3198.8
70°	1448.6	1601.5	1996.8	2003.7	2419.8	3757.8	3838.8	3812.0	2874.2	2905.1	2766.0
72.5°	1046.3	1175.3	1516.3	1643.2	1931.7	3151.2	3095.2	3198.5	2466.0	2587.4	2221.7
75°	752.3	848.9	1112.4	1429.4	1531.3	2340.2	2215.8	2477.2	1978.7	2227.9	1670.3
77.5°	305.2	339.3	437.7	962.9	1006.4	1574.4	1356.4	1799.3	1410.7	1463.8	809.6
80°	12.5	13.9	18.1	497.1	690.0	885.7	725.8	961.9	931.6	589.6	191.2
82.5°	1.4	1.4	3.1	143.2	302.1	488.8	342.1	554.1	471.7	249.9	86.9
85°	0.3	0.3	0.7	16.3	70.9	78.2	46.2	170.0	219.4	102.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.1	3.5	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: P629960

CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	157.5	155.7	153.7	151.6	150.5	147.7	146.7	146.0	145.3	145.7	145.7
5°	152.3	148.4	143.9	139.4	137.0	134.2	132.8	132.1	132.4	133.8	133.8
7.5°	151.6	144.3	134.5	128.6	125.8	123.8	122.4	121.7	122.0	123.8	124.4
10°	163.0	150.2	132.8	122.7	119.6	117.5	116.1	115.1	114.4	115.8	116.1
12.5°	187.7	170.0	141.1	122.0	116.5	113.7	112.6	110.5	109.5	110.2	110.5
15°	238.8	208.2	157.8	124.8	113.7	110.5	108.8	107.1	105.3	105.0	105.3
17.5°	305.6	261.8	183.2	131.4	111.6	107.8	105.3	102.9	100.5	100.1	99.8
20°	388.3	327.5	218.7	141.8	109.8	105.3	101.9	98.4	95.2	94.2	94.2
22.5°	463.7	406.7	264.2	154.7	107.4	101.9	97.7	93.5	90.0	88.3	87.9
25°	555.9	490.8	318.8	169.6	103.9	97.3	92.8	88.6	85.2	83.1	82.4
27.5°	648.7	579.5	380.6	189.1	99.8	92.8	88.6	84.8	81.0	78.6	77.9
30°	738.7	675.1	450.2	213.4	96.6	88.3	84.8	81.0	77.5	73.7	72.7
32.5°	835.3	772.8	528.0	240.6	94.2	85.2	81.3	77.9	73.3	69.9	68.1
35°	928.5	873.6	613.9	267.0	91.8	82.4	78.2	74.7	69.9	66.0	63.6
37.5°	1022.4	976.1	703.6	283.0	88.3	78.6	74.7	72.0	66.4	61.9	59.1
40°	1121.8	1082.2	800.6	276.4	85.2	74.4	72.3	69.2	62.9	57.7	54.2
42.5°	1230.9	1183.3	899.3	251.0	82.4	70.9	68.8	65.7	59.8	53.5	49.0
45°	1368.2	1294.2	980.3	212.7	83.8	67.4	63.3	62.6	57.0	49.0	43.5
47.5°	1604.3	1464.5	1043.2	188.1	93.2	63.6	58.7	60.5	54.6	44.5	38.2
50°	1965.5	1746.8	1102.0	186.3	107.4	61.9	54.6	59.1	52.1	40.0	33.7
52.5°	2309.6	2033.6	1139.5	201.6	119.9	66.4	50.4	57.4	50.4	36.8	30.6
55°	2638.8	2199.1	1072.4	212.7	131.7	80.0	47.3	54.6	48.3	35.1	29.5
57.5°	2993.7	2272.8	844.4	235.3	140.1	91.4	48.0	50.4	45.5	34.1	29.2
60°	3099.8	2178.6	509.6	264.9	135.6	94.9	53.2	44.8	41.7	32.0	28.2
62.5°	2935.0	1955.0	300.7	241.3	131.7	89.7	60.8	41.4	37.9	29.2	26.1
65°	2688.5	1651.6	196.1	203.7	139.7	80.0	64.7	39.6	34.4	26.4	22.9
67.5°	2407.0	1330.4	137.3	120.3	129.0	72.0	54.6	39.3	30.9	22.2	18.8
70°	2027.3	996.3	96.6	79.6	107.4	64.0	42.4	38.2	27.1	18.1	14.6
72.5°	1566.4	623.6	72.0	51.4	76.5	52.1	33.7	32.3	21.9	14.9	11.1
75°	1155.2	355.6	50.8	37.2	50.4	39.6	25.0	22.9	18.8	14.3	10.1
77.5°	603.1	178.0	31.6	28.5	28.9	24.7	18.1	16.7	17.4	14.3	9.4
80°	115.8	35.5	19.1	20.9	15.6	15.6	13.2	13.9	15.3	11.5	8.0
82.5°	48.3	7.6	10.4	11.8	9.7	10.8	10.8	11.1	10.8	8.3	5.9
85°	0.0	0.0	4.5	4.9	6.6	6.6	5.6	5.6	5.6	4.9	3.5
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	2.1	2.4	2.8	2.1	1.4
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: P629960

CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	145.3	144.6	145.7	146.3	147.0	147.0	146.3	145.7	144.6	145.7	144.6
5°	134.2	135.2	137.0	137.7	138.4	137.0	136.3	134.2	132.4	132.8	132.1
7.5°	125.5	126.5	128.6	130.0	130.0	129.3	127.2	125.1	122.4	122.4	122.0
10°	117.5	118.9	121.3	123.1	123.8	123.1	121.0	118.2	115.8	115.8	114.7
12.5°	110.9	112.6	115.4	117.8	118.5	117.8	115.8	113.0	110.2	110.2	109.5
15°	105.3	107.4	110.5	113.3	114.4	113.3	110.9	107.4	104.6	105.0	103.9
17.5°	100.1	101.9	106.0	109.2	110.2	109.2	106.0	101.5	98.7	99.4	98.7
20°	94.2	96.3	100.5	103.9	105.0	103.9	100.5	95.6	92.8	92.8	93.2
22.5°	87.9	90.0	94.2	96.6	98.0	97.0	93.5	89.0	86.2	86.2	86.6
25°	82.4	83.4	86.6	89.0	89.3	88.3	85.5	82.0	80.0	81.0	81.3
27.5°	77.2	77.2	78.6	80.0	79.6	78.6	77.5	74.7	74.4	75.4	76.5
30°	71.6	69.9	69.2	68.1	67.8	67.4	68.5	68.5	69.2	70.6	71.6
32.5°	66.7	63.3	60.1	57.0	55.3	56.7	59.4	61.9	64.3	66.4	67.4
35°	61.2	55.6	50.4	46.2	43.5	45.5	50.1	54.6	58.7	61.5	63.3
37.5°	55.6	47.6	41.4	36.2	34.1	35.8	40.7	46.9	53.2	56.7	59.1
40°	49.7	39.6	32.3	28.2	26.1	27.8	32.7	38.9	47.3	51.8	54.9
42.5°	43.8	32.7	26.1	21.9	20.9	21.9	25.7	32.0	41.0	46.6	50.8
45°	37.9	27.1	20.9	17.7	16.7	17.7	20.9	26.1	35.1	41.4	46.2
47.5°	32.7	22.9	17.4	14.6	13.9	14.9	17.4	21.9	29.5	35.8	41.4
50°	28.5	20.2	14.9	12.5	11.8	12.9	14.9	18.4	25.0	30.6	36.5
52.5°	25.7	18.8	13.2	10.8	10.4	11.1	12.9	15.6	21.2	26.1	31.6
55°	25.0	18.8	12.2	9.7	9.4	10.1	11.5	13.6	18.4	22.6	27.5
57.5°	25.7	20.2	11.5	8.3	8.0	8.7	10.1	11.8	16.0	19.5	24.0
60°	25.7	20.5	10.1	6.6	6.3	7.0	8.3	10.4	14.3	17.0	20.9
62.5°	23.3	18.8	8.3	5.2	4.5	5.2	7.0	8.7	12.5	15.3	18.4
65°	20.2	16.0	7.0	3.8	3.1	3.8	5.6	7.3	10.8	13.2	16.7
67.5°	16.3	12.2	5.2	2.8	2.1	2.8	4.2	5.9	9.0	11.5	14.9
70°	12.2	8.7	4.2	2.4	2.1	2.4	3.8	5.6	8.0	10.4	13.9
72.5°	9.0	5.9	3.5	2.4	1.7	2.4	3.5	5.2	7.6	10.1	13.2
75°	7.6	4.9	3.1	2.1	1.7	2.1	3.1	4.9	7.0	9.4	12.5
77.5°	7.3	4.5	2.8	1.7	1.4	1.7	2.8	4.2	6.3	8.7	12.2
80°	6.3	3.8	2.4	1.4	1.0	1.4	2.4	3.5	4.9	6.6	9.4
82.5°	4.9	3.1	1.7	0.7	0.3	0.7	1.7	2.1	3.1	3.8	5.6
85°	3.1	1.7	0.7	0.0	0.0	0.0	0.7	1.4	1.4	1.7	2.8
87.5°	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	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: P629960  
 CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	146.7	147.0	147.7	148.8	151.2	153.3	155.4	158.2	159.6	159.6
5°	132.8	133.1	133.5	134.9	138.4	141.1	145.7	151.2	154.0	154.7
7.5°	122.0	122.7	123.4	124.4	127.9	131.7	137.7	148.1	153.3	154.3
10°	115.8	116.8	118.2	120.3	123.4	127.6	137.7	156.4	165.1	166.9
12.5°	110.9	112.6	114.0	116.5	120.3	126.9	147.0	180.1	195.4	199.5
15°	106.0	108.1	110.2	112.6	116.8	129.3	165.1	222.5	247.9	251.0
17.5°	101.2	103.6	106.4	109.2	114.4	135.2	193.6	281.2	316.7	323.6
20°	95.6	98.7	102.5	106.0	111.9	144.6	233.3	351.1	395.6	410.5
22.5°	89.7	93.5	98.0	102.5	109.2	156.1	281.2	426.2	488.4	498.1
25°	84.8	88.6	92.8	97.3	104.6	170.0	339.3	519.4	576.0	585.4
27.5°	80.3	84.1	87.9	92.1	100.1	188.1	409.2	618.4	677.5	687.3
30°	75.4	80.0	83.8	87.9	95.9	210.3	489.8	728.3	784.2	793.3
32.5°	71.3	75.8	79.6	83.8	92.8	234.6	574.6	825.6	871.1	871.1
35°	67.8	72.7	75.4	81.0	90.4	250.3	654.9	918.4	952.8	951.4
37.5°	64.0	69.9	72.0	75.8	87.3	252.0	730.4	1016.5	1041.8	1032.8
40°	60.1	66.4	69.5	71.6	83.8	237.8	813.1	1106.5	1128.0	1116.2
42.5°	56.7	61.5	66.0	68.5	81.7	212.7	879.5	1202.8	1228.5	1218.1
45°	53.2	57.4	60.1	64.7	83.1	195.4	936.5	1315.1	1360.3	1352.6
47.5°	49.7	53.2	54.9	61.9	92.5	187.4	971.3	1488.9	1574.0	1567.8
50°	45.9	50.1	50.1	61.2	106.4	190.2	1001.5	1740.6	1872.3	1870.2
52.5°	42.1	46.6	45.9	66.4	117.1	203.0	1035.9	1962.7	2191.8	2210.9
55°	38.2	42.4	43.1	76.8	123.4	214.1	902.8	2056.2	2464.7	2531.7
57.5°	34.1	36.5	44.8	84.8	121.3	246.5	618.4	2073.2	2638.8	2782.7
60°	29.5	31.6	50.8	83.1	114.7	227.7	389.3	1920.3	2614.1	2796.6
62.5°	25.7	29.2	53.5	73.3	116.8	197.5	248.2	1636.6	2378.8	2587.0
65°	22.6	28.2	48.7	66.4	118.2	133.8	167.6	1331.4	2149.0	2347.2
67.5°	20.2	31.3	40.0	59.1	101.5	94.2	115.1	1034.5	1807.0	1984.6
70°	18.4	32.0	32.7	50.8	78.6	60.5	75.8	696.3	1245.5	1448.6
72.5°	16.7	23.6	24.7	40.7	50.8	36.8	49.0	398.4	908.0	1046.3
75°	16.0	16.0	17.0	26.4	28.2	26.8	31.6	237.8	651.1	752.3
77.5°	14.9	12.2	10.8	17.0	15.3	19.1	18.8	105.7	282.3	305.2
80°	11.8	8.7	7.3	10.8	10.4	12.9	11.1	8.7	12.9	12.5
82.5°	7.3	5.6	5.2	6.6	5.9	6.6	5.2	1.4	1.4	1.4
85°	3.5	3.1	2.8	2.8	3.1	2.8	2.1	0.7	0.3	0.3
87.5°	1.7	1.7	1.4	1.0	1.4	1.4	1.0	0.3	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)