

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: P642225

Luminaire Tested: GWS-SA6C-740-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642225  
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-SA6C-740-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

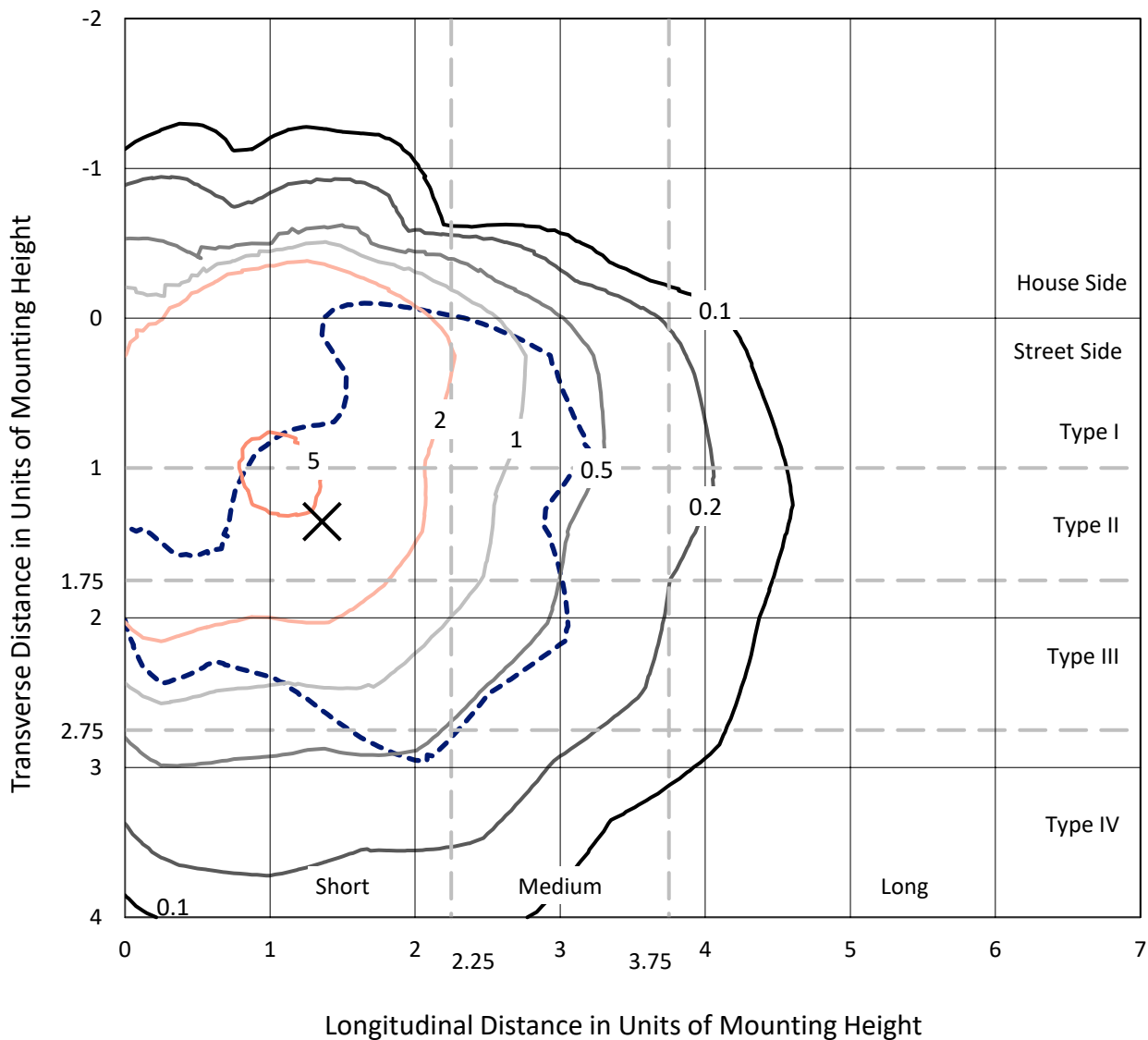
Lumens per Lamp: N/A  
Luminaire Lumens: 17621.6 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P642225  
 CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

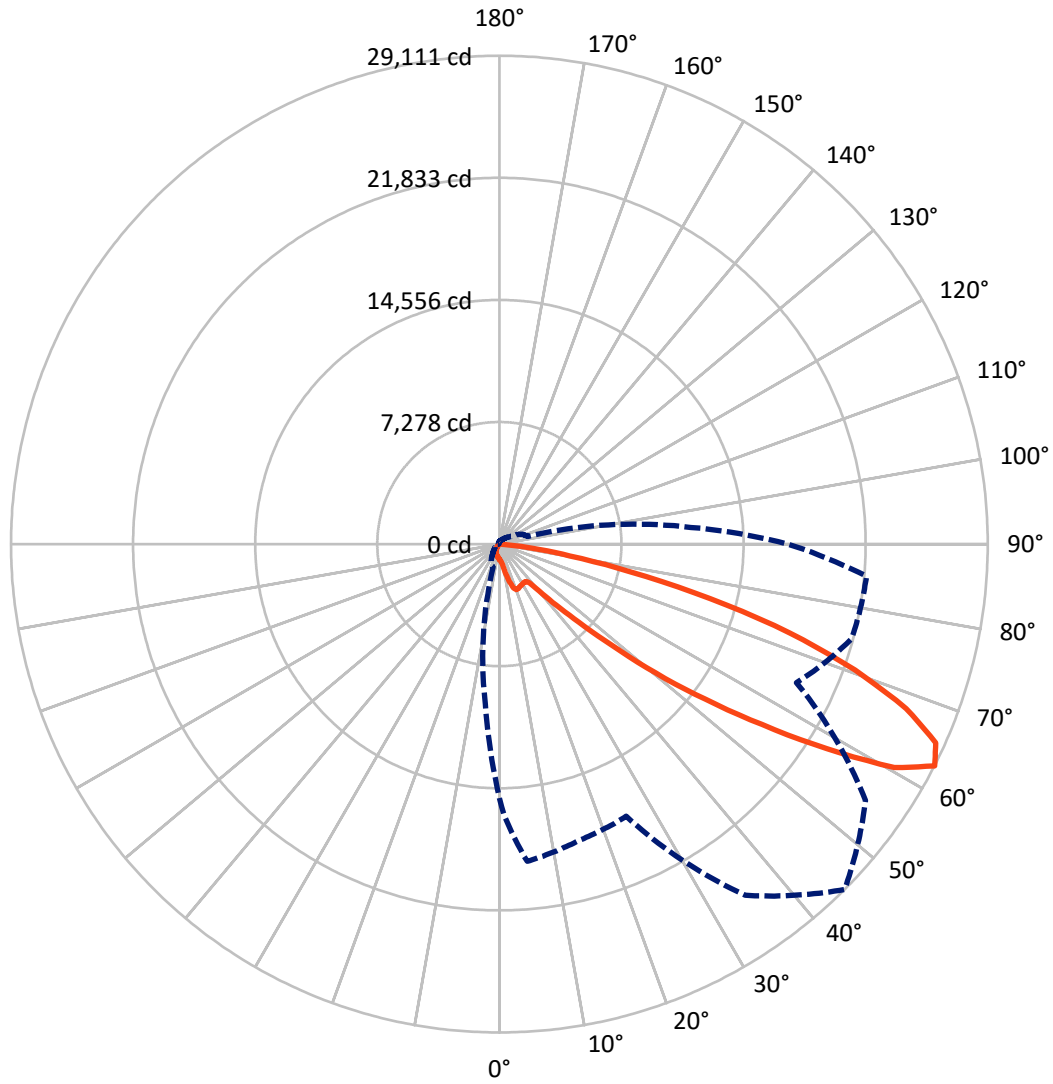
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P642225  
CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P642225

CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-HSS

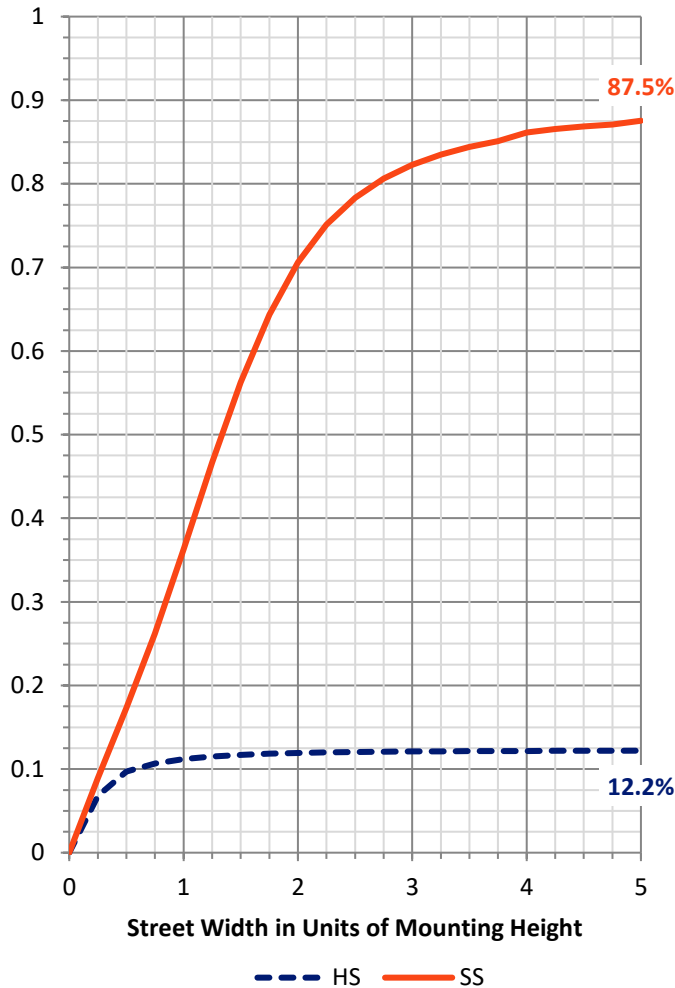
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2174.5	0.0	2174.5
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	15447.1	0.0	15447.1
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	17621.6	0.0	17621.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	0.5
10°-20°	307.2	1.7
20°-30°	667.9	3.8
30°-40°	1096.2	6.2
40°-50°	2015.1	11.4
50°-60°	4327.6	24.6
60°-70°	5812.7	33.0
70°-80°	3026.7	17.2
80°-90°	287.0	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°	17621.6	100.0
0°-180°	17621.6	100.0

**Coefficient of Utilization**



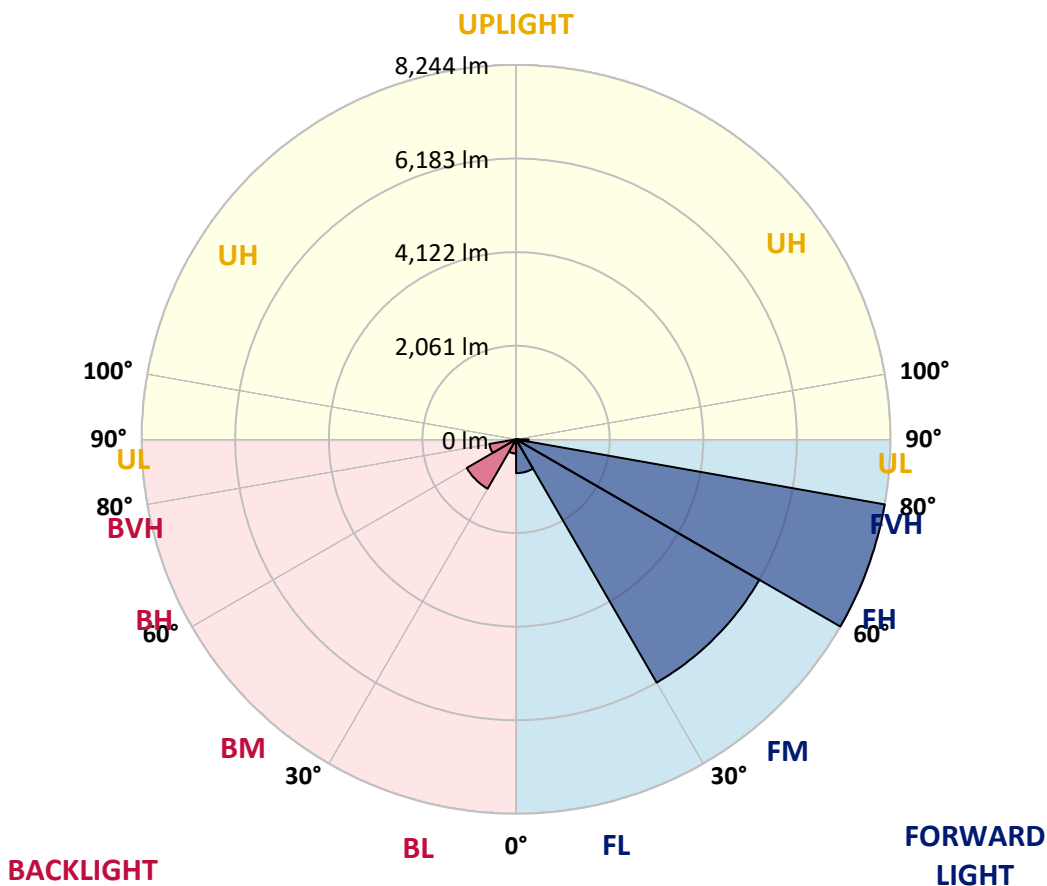
REPORT NUMBER: P642225

CATALOG NUMBER: GWS-SA6C-740-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°)	744.4	4.2			
FM (30°-60°)	6185.0	35.1			
FH (60°-80°)	8243.5	46.8			G4/12000
FVH (80°-90°)	274.2	1.6			G3/500
BL (0°-30°)	311.9	1.8	B1/500		
BM (30°-60°)	1254.0	7.1	B2/2500		
BH (60°-80°)	595.8	3.4	B2/1000		G2/1000
BVH (80°-90°)	12.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Short





REPORT NUMBER: P642225

CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0
2.5°	934.3	938.3	942.4	956.7	966.8	975.0	977.0	970.9	956.7	942.4	922.1
5°	905.8	909.8	924.1	962.8	1001.4	1032.0	1042.2	1036.0	1001.4	956.7	909.8
7.5°	903.7	911.9	946.5	1027.9	1111.4	1174.5	1190.7	1176.5	1111.4	1021.8	926.1
10°	977.0	991.3	1042.2	1188.7	1341.4	1453.3	1498.1	1437.0	1333.2	1170.4	1013.7
12.5°	1168.4	1192.8	1290.5	1504.2	1740.3	1888.9	1950.0	1874.7	1711.8	1475.7	1227.4
15°	1469.6	1506.2	1652.8	1972.4	2251.2	2383.5	2403.9	2361.1	2171.8	1911.3	1577.5
17.5°	1895.0	1947.9	2175.9	2501.6	2703.1	2749.9	2743.8	2699.0	2560.6	2381.5	2066.0
20°	2403.9	2467.0	2690.9	2959.6	2979.9	2924.9	2894.4	2868.0	2821.1	2790.6	2544.3
22.5°	2916.8	2994.2	3228.2	3295.4	3112.2	2953.4	2878.1	2898.5	2967.7	3118.3	3018.6
25°	3427.7	3501.0	3720.8	3539.7	3173.3	2908.7	2813.0	2861.8	3026.7	3352.4	3480.6
27.5°	4024.1	4079.1	4209.3	3706.6	3183.5	2872.0	2778.4	2853.7	3055.2	3498.9	3987.5
30°	4644.9	4677.5	4614.4	3751.3	3148.8	2817.1	2743.8	2853.7	3104.1	3596.6	4368.1
32.5°	5100.8	5107.0	4901.4	3755.4	3130.5	2772.3	2711.2	2841.5	3150.9	3678.1	4736.5
35°	5571.0	5540.5	5176.2	3816.5	3179.4	2788.6	2735.7	2876.1	3224.2	3773.7	5060.1
37.5°	6047.3	5992.4	5483.5	3916.2	3305.6	2965.7	2933.1	3053.2	3342.2	3906.0	5416.3
40°	6535.8	6460.5	5803.1	4066.8	3586.5	3568.2	3680.1	3665.9	3665.9	4075.0	5782.7
42.5°	7132.2	7044.7	6275.3	4492.2	4241.9	4651.0	4956.3	4767.0	4416.9	4463.8	6259.0
45°	7920.0	7844.6	7093.6	5306.4	5269.8	6210.2	6621.3	6246.8	5375.6	5361.4	7054.9
47.5°	9179.9	9165.6	8398.3	6250.9	6527.7	8194.7	8988.6	8268.0	6468.7	6311.9	8561.1
50°	10950.7	10908.0	10024.6	7358.2	8023.8	10653.6	12070.2	10869.3	7789.7	7421.3	10578.3
52.5°	12945.5	12990.3	12302.3	8567.2	9613.4	13389.2	15361.6	13849.2	9224.7	8831.8	13116.5
55°	14824.2	15080.7	14899.5	9981.9	11166.5	16409.8	18976.5	17118.2	11001.6	10678.0	15962.0
57.5°	16293.8	17016.4	18286.5	12037.7	12992.3	19943.4	23012.8	20661.9	13075.8	13676.2	19835.5
60°	16375.2	17331.9	20281.3	16338.6	15341.2	22974.2	27043.0	24124.2	16336.6	18766.9	22870.4
62.5°	15147.8	16173.7	18982.6	18292.6	17899.8	25553.1	29111.1	26648.2	19544.4	21748.8	21970.7
65°	13743.4	14779.4	17533.4	16076.0	17602.6	25443.2	28585.9	26707.2	19835.5	19721.5	20360.6
67.5°	11620.4	12550.6	15044.0	14229.9	16224.6	24215.8	26159.7	25023.9	18274.3	18445.3	18730.2
70°	8481.7	9377.3	11691.6	11732.4	14168.8	22003.3	22477.5	22320.8	16829.1	17010.3	16196.1
72.5°	6126.7	6881.9	8878.7	9621.6	11311.0	18451.4	18123.7	18728.2	14439.5	15149.9	13008.6
75°	4404.7	4970.6	6513.5	8369.8	8966.2	13702.7	12974.0	14504.6	11585.8	13045.2	9780.4
77.5°	1787.1	1986.6	2562.6	5638.2	5892.6	9218.6	7942.3	10535.5	8259.9	8571.3	4740.6
80°	73.3	81.4	105.8	2910.7	4040.4	5186.3	4250.0	5632.1	5455.0	3452.1	1119.5
82.5°	8.1	8.1	18.3	838.6	1768.8	2861.8	2002.9	3244.5	2762.1	1463.5	508.9
85°	2.0	2.0	4.1	95.7	415.2	458.0	270.7	995.3	1284.4	598.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	18.3	20.4	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: P642225

CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0
2.5°	922.1	911.9	899.7	887.5	881.4	865.1	859.0	854.9	850.8	852.9	852.9
5°	891.5	869.1	842.7	816.2	802.0	785.7	777.5	773.5	775.5	783.6	783.6
7.5°	887.5	844.7	787.7	753.1	736.8	724.6	716.5	712.4	714.4	724.6	728.7
10°	954.6	879.3	777.5	718.5	700.2	688.0	679.8	673.7	669.7	677.8	679.8
12.5°	1099.1	995.3	826.4	714.4	681.9	665.6	659.5	647.3	641.2	645.2	647.3
15°	1398.4	1219.2	924.1	730.7	665.6	647.3	637.1	626.9	616.7	614.7	616.7
17.5°	1789.2	1532.7	1072.7	769.4	653.4	631.0	616.7	602.5	588.2	586.2	584.2
20°	2273.6	1917.4	1280.3	830.5	643.2	616.7	596.4	576.0	557.7	551.6	551.6
22.5°	2715.3	2381.5	1546.9	905.8	629.0	596.4	572.0	547.5	527.2	517.0	515.0
25°	3254.7	2874.1	1866.5	993.3	608.6	569.9	543.5	519.0	498.7	486.5	482.4
27.5°	3798.2	3393.1	2228.8	1107.3	584.2	543.5	519.0	496.7	474.3	460.0	455.9
30°	4325.3	3952.9	2635.9	1249.8	565.9	517.0	496.7	474.3	453.9	431.5	425.4
32.5°	4891.2	4524.8	3091.9	1408.5	551.6	498.7	476.3	455.9	429.5	409.1	398.9
35°	5436.7	5115.1	3594.6	1563.2	537.4	482.4	458.0	437.6	409.1	386.7	372.5
37.5°	5986.3	5715.6	4119.8	1656.9	517.0	460.0	437.6	421.3	388.8	362.3	346.0
40°	6568.4	6336.4	4687.7	1618.2	498.7	435.6	423.4	405.1	368.4	337.9	317.5
42.5°	7207.5	6928.7	5265.7	1469.6	482.4	415.2	403.0	384.7	350.1	313.5	287.0
45°	8011.5	7578.0	5740.0	1245.7	490.5	394.9	370.5	366.4	333.8	287.0	254.4
47.5°	9393.6	8575.4	6108.4	1101.2	545.5	372.5	344.0	354.2	319.6	260.5	223.9
50°	11508.5	10228.2	6452.4	1091.0	629.0	362.3	319.6	346.0	305.3	234.1	197.4
52.5°	13523.6	11907.4	6672.2	1180.6	702.2	388.8	295.1	335.8	295.1	215.8	179.1
55°	15451.1	12876.3	6279.4	1245.7	771.4	468.2	276.8	319.6	282.9	205.6	173.0
57.5°	17529.3	13307.8	4944.1	1378.0	820.3	535.3	280.9	295.1	266.6	199.5	171.0
60°	18150.1	12756.2	2984.0	1551.0	793.8	555.7	311.4	262.6	244.3	187.3	164.9
62.5°	17185.3	11447.4	1760.7	1412.6	771.4	525.1	356.2	242.2	221.9	171.0	152.7
65°	15742.2	9670.4	1148.0	1192.8	818.3	468.2	378.6	232.0	201.5	154.7	134.3
67.5°	14093.5	7789.7	804.0	704.3	755.2	421.3	319.6	230.0	181.2	130.3	109.9
70°	11870.8	5833.6	565.9	466.1	629.0	374.5	248.3	223.9	158.8	105.8	85.5
72.5°	9171.8	3651.6	421.3	301.2	447.8	305.3	197.4	189.3	128.2	87.5	65.1
75°	6763.8	2082.3	297.2	217.8	295.1	232.0	146.6	134.3	109.9	83.5	59.0
77.5°	3531.5	1042.2	185.2	166.9	168.9	144.5	105.8	97.7	101.8	83.5	55.0
80°	677.8	207.6	111.9	122.1	91.6	91.6	77.3	81.4	89.6	67.2	46.8
82.5°	282.9	44.8	61.1	69.2	57.0	63.1	63.1	65.1	63.1	48.9	34.6
85°	0.0	0.0	26.5	28.5	38.7	38.7	32.6	32.6	32.6	28.5	20.4
87.5°	0.0	0.0	0.0	0.0	2.0	6.1	12.2	14.2	16.3	12.2	8.1
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: P642225  
 CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0
2.5°	850.8	846.7	852.9	856.9	861.0	861.0	856.9	852.9	846.7	852.9	846.7
5°	785.7	791.8	802.0	806.0	810.1	802.0	797.9	785.7	775.5	777.5	773.5
7.5°	734.8	740.9	753.1	761.3	761.3	757.2	745.0	732.8	716.5	716.5	714.4
10°	688.0	696.1	710.4	720.6	724.6	720.6	708.3	692.1	677.8	677.8	671.7
12.5°	649.3	659.5	675.8	690.0	694.1	690.0	677.8	661.5	645.2	645.2	641.2
15°	616.7	629.0	647.3	663.6	669.7	663.6	649.3	629.0	612.7	614.7	608.6
17.5°	586.2	596.4	620.8	639.1	645.2	639.1	620.8	594.4	578.1	582.1	578.1
20°	551.6	563.8	588.2	608.6	614.7	608.6	588.2	559.7	543.5	543.5	545.5
22.5°	515.0	527.2	551.6	565.9	574.0	567.9	547.5	521.1	504.8	504.8	506.8
25°	482.4	488.5	506.8	521.1	523.1	517.0	500.7	480.4	468.2	474.3	476.3
27.5°	451.9	451.9	460.0	468.2	466.1	460.0	453.9	437.6	435.6	441.7	447.8
30°	419.3	409.1	405.1	398.9	396.9	394.9	401.0	401.0	405.1	413.2	419.3
32.5°	390.8	370.5	352.1	333.8	323.6	331.8	348.1	362.3	376.6	388.8	394.9
35°	358.2	325.7	295.1	270.7	254.4	266.6	293.1	319.6	344.0	360.3	370.5
37.5°	325.7	278.9	242.2	211.7	199.5	209.7	238.1	274.8	311.4	331.8	346.0
40°	291.1	232.0	189.3	164.9	152.7	162.8	191.3	228.0	276.8	303.3	321.6
42.5°	256.5	191.3	152.7	128.2	122.1	128.2	150.6	187.3	240.2	272.8	297.2
45°	221.9	158.8	122.1	103.8	97.7	103.8	122.1	152.7	205.6	242.2	270.7
47.5°	191.3	134.3	101.8	85.5	81.4	87.5	101.8	128.2	173.0	209.7	242.2
50°	166.9	118.1	87.5	73.3	69.2	75.3	87.5	107.9	146.6	179.1	213.7
52.5°	150.6	109.9	77.3	63.1	61.1	65.1	75.3	91.6	124.2	152.7	185.2
55°	146.6	109.9	71.2	57.0	55.0	59.0	67.2	79.4	107.9	132.3	160.8
57.5°	150.6	118.1	67.2	48.9	46.8	50.9	59.0	69.2	93.6	114.0	140.4
60°	150.6	120.1	59.0	38.7	36.6	40.7	48.9	61.1	83.5	99.7	122.1
62.5°	136.4	109.9	48.9	30.5	26.5	30.5	40.7	50.9	73.3	89.6	107.9
65°	118.1	93.6	40.7	22.4	18.3	22.4	32.6	42.7	63.1	77.3	97.7
67.5°	95.7	71.2	30.5	16.3	12.2	16.3	24.4	34.6	52.9	67.2	87.5
70°	71.2	50.9	24.4	14.2	12.2	14.2	22.4	32.6	46.8	61.1	81.4
72.5°	52.9	34.6	20.4	14.2	10.2	14.2	20.4	30.5	44.8	59.0	77.3
75°	44.8	28.5	18.3	12.2	10.2	12.2	18.3	28.5	40.7	55.0	73.3
77.5°	42.7	26.5	16.3	10.2	8.1	10.2	16.3	24.4	36.6	50.9	71.2
80°	36.6	22.4	14.2	8.1	6.1	8.1	14.2	20.4	28.5	38.7	55.0
82.5°	28.5	18.3	10.2	4.1	2.0	4.1	10.2	12.2	18.3	22.4	32.6
85°	18.3	10.2	4.1	0.0	0.0	0.0	4.1	8.1	8.1	10.2	16.3
87.5°	8.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1
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: P642225  
 CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0
2.5°	859.0	861.0	865.1	871.2	885.4	897.6	909.8	926.1	934.3	934.3
5°	777.5	779.6	781.6	789.8	810.1	826.4	852.9	885.4	901.7	905.8
7.5°	714.4	718.5	722.6	728.7	749.0	771.4	806.0	867.1	897.6	903.7
10°	677.8	683.9	692.1	704.3	722.6	747.0	806.0	916.0	966.8	977.0
12.5°	649.3	659.5	667.6	681.9	704.3	742.9	861.0	1054.4	1143.9	1168.4
15°	620.8	633.0	645.2	659.5	683.9	757.2	966.8	1302.7	1451.3	1469.6
17.5°	592.3	606.6	622.8	639.1	669.7	791.8	1133.7	1646.7	1854.3	1895.0
20°	559.7	578.1	600.5	620.8	655.4	846.7	1365.8	2055.8	2316.3	2403.9
22.5°	525.1	547.5	574.0	600.5	639.1	913.9	1646.7	2495.5	2859.8	2916.8
25°	496.7	519.0	543.5	569.9	612.7	995.3	1986.6	3041.0	3372.7	3427.7
27.5°	470.2	492.6	515.0	539.4	586.2	1101.2	2395.7	3621.1	3967.1	4024.1
30°	441.7	468.2	490.5	515.0	561.8	1231.4	2868.0	4264.3	4592.0	4644.9
32.5°	417.3	443.7	466.1	490.5	543.5	1373.9	3364.6	4834.2	5100.8	5100.8
35°	396.9	425.4	441.7	474.3	529.2	1465.5	3834.8	5377.7	5579.2	5571.0
37.5°	374.5	409.1	421.3	443.7	510.9	1475.7	4276.5	5951.7	6100.3	6047.3
40°	352.1	388.8	407.1	419.3	490.5	1392.3	4760.9	6478.9	6605.0	6535.8
42.5°	331.8	360.3	386.7	401.0	478.3	1245.7	5149.7	7042.7	7193.3	7132.2
45°	311.4	335.8	352.1	378.6	486.5	1143.9	5483.5	7700.1	7964.7	7920.0
47.5°	291.1	311.4	321.6	362.3	541.4	1097.1	5687.1	8717.9	9216.5	9179.9
50°	268.7	293.1	293.1	358.2	622.8	1113.4	5864.1	10191.5	10963.0	10950.7
52.5°	246.3	272.8	268.7	388.8	685.9	1188.7	6065.7	11492.2	12833.5	12945.5
55°	223.9	248.3	252.4	449.8	722.6	1253.8	5286.1	12039.7	14431.4	14824.2
57.5°	199.5	213.7	262.6	496.7	710.4	1443.1	3621.1	12139.4	15451.1	16293.8
60°	173.0	185.2	297.2	486.5	671.7	1333.2	2279.7	11243.8	15306.6	16375.2
62.5°	150.6	171.0	313.5	429.5	683.9	1156.1	1453.3	9582.9	13928.6	15147.8
65°	132.3	164.9	285.0	388.8	692.1	783.6	981.1	7795.8	12583.2	13743.4
67.5°	118.1	183.2	234.1	346.0	594.4	551.6	673.7	6057.5	10580.3	11620.4
70°	107.9	187.3	191.3	297.2	460.0	354.2	443.7	4077.0	7293.0	8481.7
72.5°	97.7	138.4	144.5	238.1	297.2	215.8	287.0	2332.6	5316.6	6126.7
75°	93.6	93.6	99.7	154.7	164.9	156.7	185.2	1392.3	3812.4	4404.7
77.5°	87.5	71.2	63.1	99.7	89.6	111.9	109.9	618.8	1652.8	1787.1
80°	69.2	50.9	42.7	63.1	61.1	75.3	65.1	50.9	75.3	73.3
82.5°	42.7	32.6	30.5	38.7	34.6	38.7	30.5	8.1	8.1	8.1
85°	20.4	18.3	16.3	16.3	18.3	16.3	12.2	4.1	2.0	2.0
87.5°	10.2	10.2	8.1	6.1	8.1	8.1	6.1	2.0	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)