

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: P631116

Luminaire Tested: GWS-SA1F-722-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631116  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

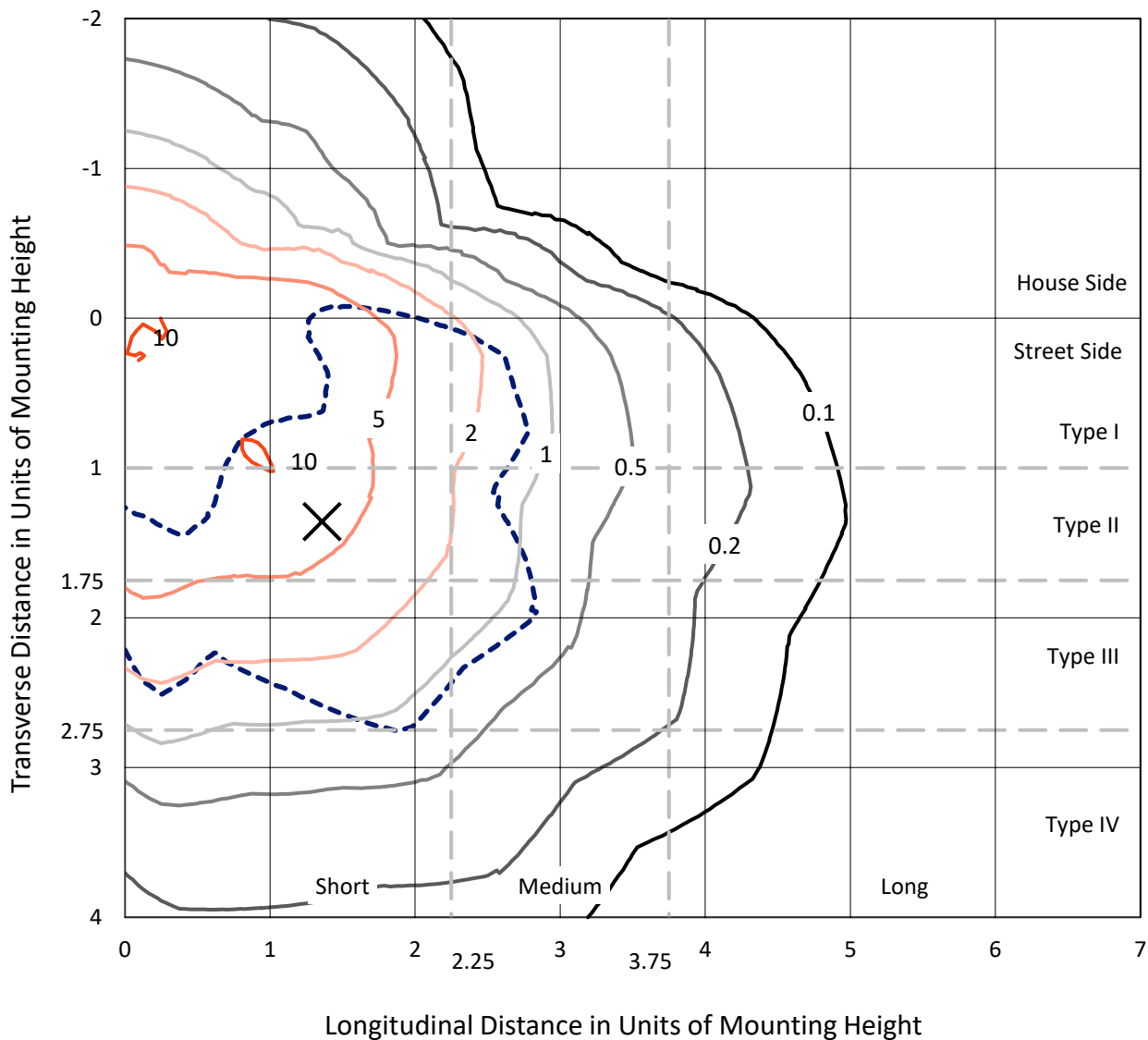
Lumens per Lamp: N/A  
Luminaire Lumens: 5875.9 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P631116  
 CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

### Iso-Footcandle Lines of Horizontal Illumination

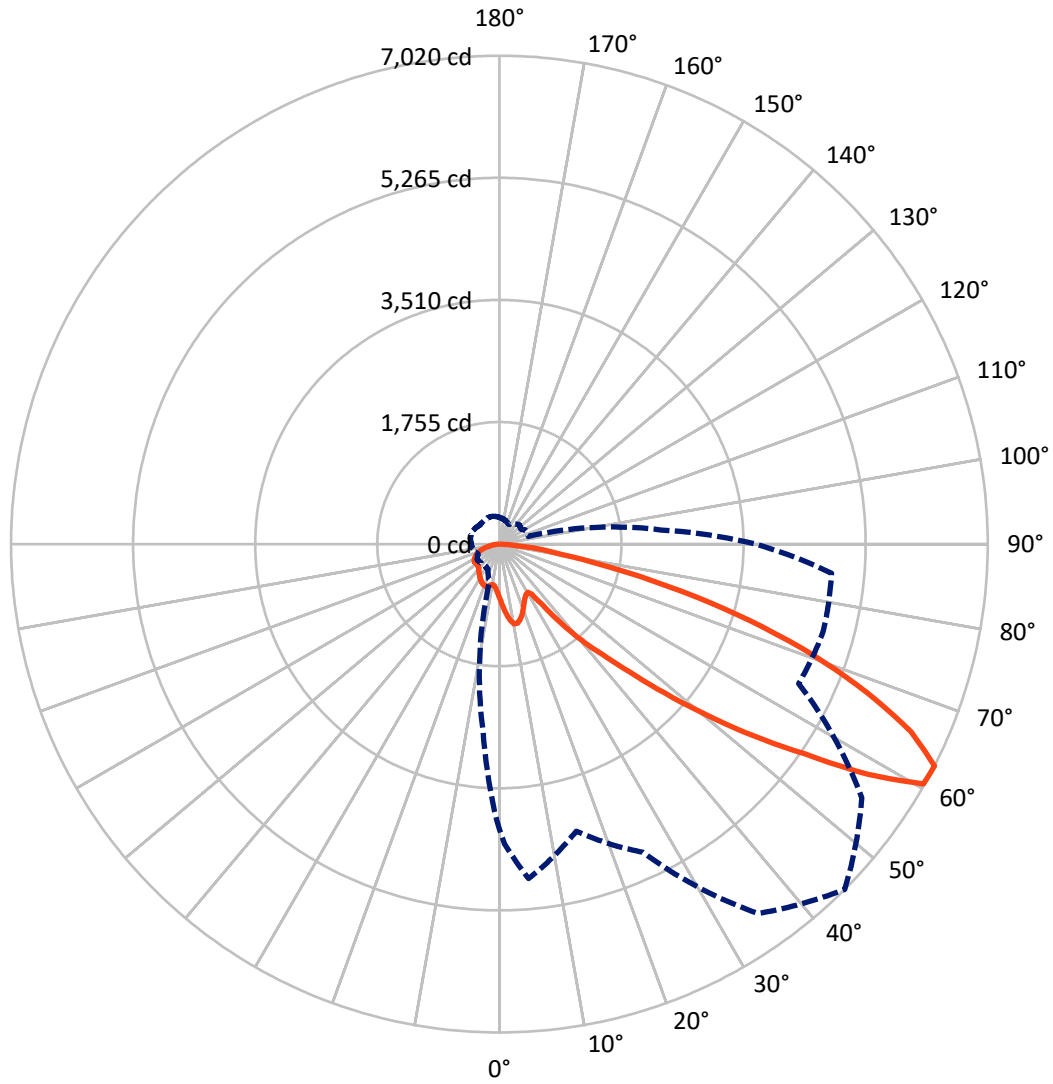
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P631116  
CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P631116

CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

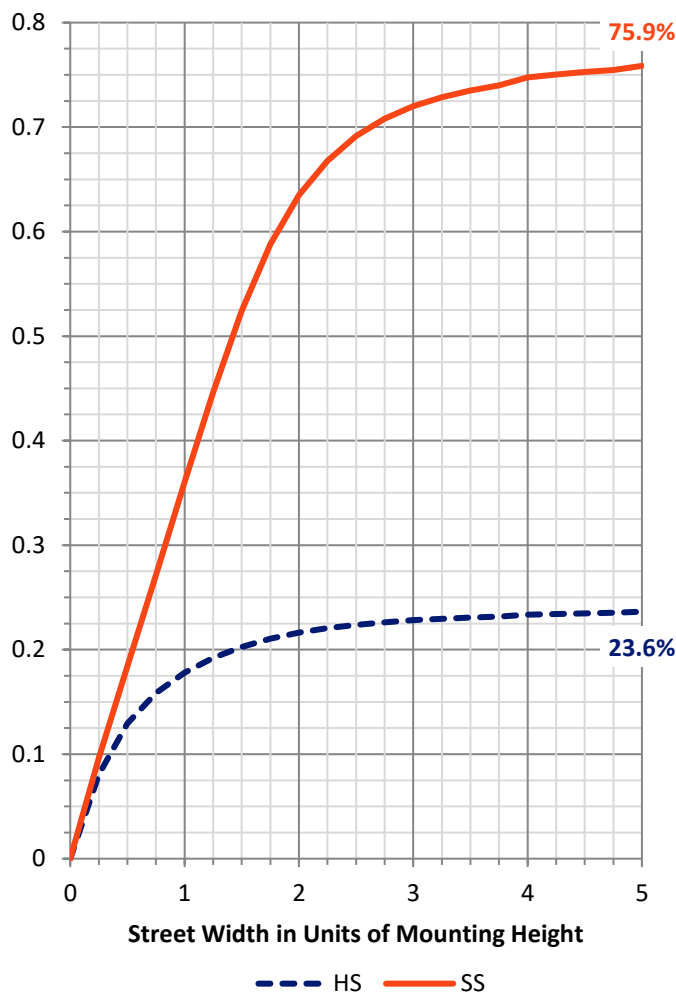
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1402.1	0.0	1402.1
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	4473.8	0.0	4473.8
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	5875.9	0.0	5875.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.2	1.3
10°-20°	238.8	4.1
20°-30°	370.8	6.3
30°-40°	503.5	8.6
40°-50°	798.0	13.6
50°-60°	1407.7	24.0
60°-70°	1566.3	26.7
70°-80°	794.4	13.5
80°-90°	120.3	2.0
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°	5875.9	100.0
0°-180°	5875.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P631116

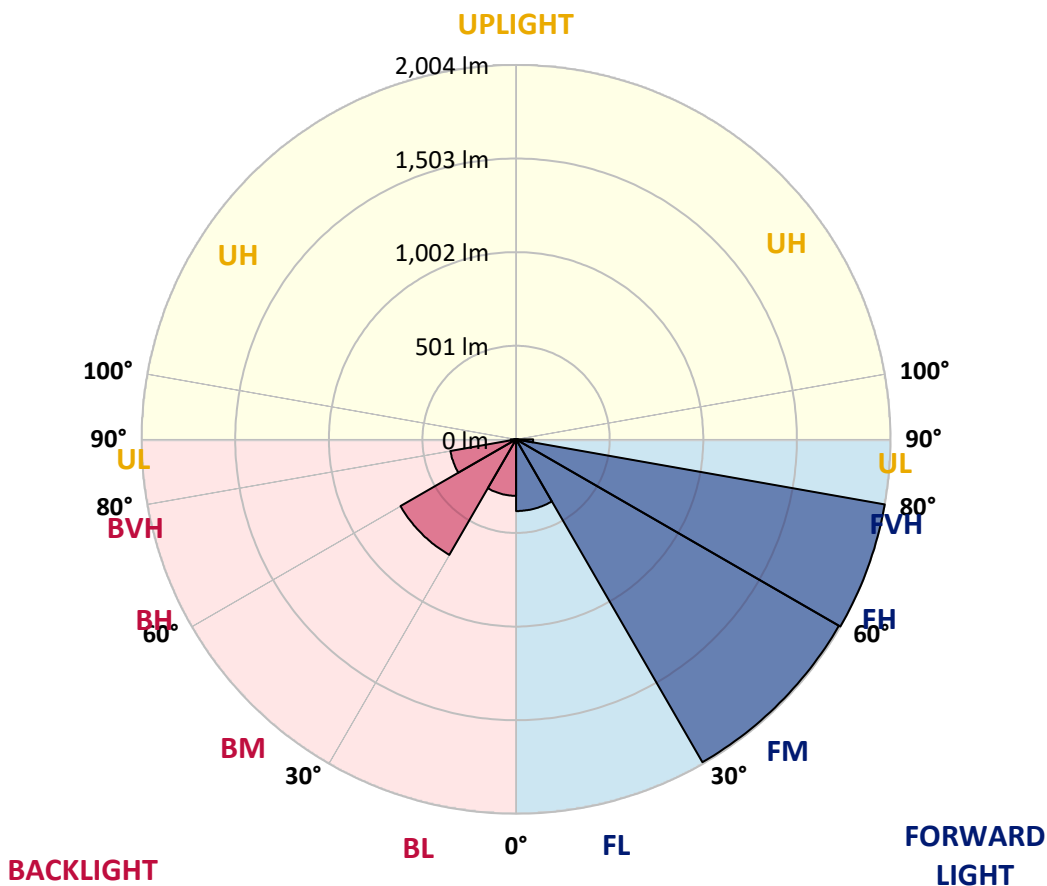
CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.6	6.5			
FM (30°-60°)	1995.1	34.0			
FH (60°-80°)	2003.7	34.1			G2/5000
FVH (80°-90°)	91.3	1.6			G1/100
BL (0°-30°)	302.1	5.1	B1/500		
BM (30°-60°)	714.1	12.2	B1/1000		
BH (60°-80°)	356.9	6.1	B1/500		G1/500
BVH (80°-90°)	29.0	0.5			G1/100
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: P631116  
 CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9
2.5°	838.1	837.7	846.1	859.0	871.0	876.4	885.3	884.4	877.3	867.9	864.8
5°	904.0	905.7	920.4	948.9	980.5	993.8	999.6	997.4	984.5	968.0	939.1
7.5°	963.6	966.7	989.4	1032.1	1071.2	1089.0	1103.3	1100.6	1081.9	1051.2	1008.5
10°	1007.2	1010.7	1037.9	1088.1	1131.7	1147.3	1165.6	1166.4	1150.0	1108.6	1065.0
12.5°	1050.8	1054.3	1079.7	1125.5	1154.0	1154.4	1165.1	1170.9	1171.8	1152.7	1109.1
15°	1096.2	1099.3	1122.4	1148.2	1146.9	1122.0	1122.0	1133.1	1157.5	1171.3	1141.1
17.5°	1134.9	1138.9	1156.7	1148.2	1108.6	1063.7	1058.3	1072.6	1115.3	1168.2	1165.1
20°	1166.9	1170.0	1179.8	1123.7	1051.7	992.9	982.7	999.2	1057.0	1149.1	1183.3
22.5°	1197.6	1199.4	1194.0	1091.7	990.3	923.1	910.6	928.0	990.3	1115.3	1198.9
25°	1234.1	1232.3	1206.9	1058.3	934.2	867.9	855.0	874.6	939.6	1070.4	1215.8
27.5°	1276.3	1269.7	1218.0	1022.3	891.1	827.0	818.1	839.0	899.5	1029.0	1229.2
30°	1312.4	1299.5	1219.8	990.3	868.8	809.7	804.3	823.9	879.9	1001.0	1246.1
32.5°	1352.4	1334.6	1230.1	981.8	881.3	851.5	858.6	859.9	885.3	992.9	1271.4
35°	1409.8	1386.7	1258.1	1006.3	1009.4	1059.7	1085.5	1050.8	965.8	1010.7	1319.5
37.5°	1496.5	1467.2	1315.0	1112.2	1274.1	1386.7	1448.9	1369.7	1210.5	1077.9	1392.0
40°	1602.0	1564.6	1388.0	1307.9	1521.4	1701.6	1812.4	1696.3	1462.3	1245.6	1493.9
42.5°	1749.2	1710.1	1529.5	1500.1	1750.6	2018.8	2163.4	1990.3	1684.3	1462.3	1657.1
45°	2005.9	1968.1	1788.8	1692.7	2018.8	2409.4	2612.3	2371.6	1909.8	1679.8	1962.3
47.5°	2480.1	2435.6	2174.1	1906.3	2324.9	2916.5	3200.4	2849.8	2144.3	1928.9	2474.8
50°	3049.6	3006.9	2657.6	2158.9	2663.0	3458.8	3853.4	3411.7	2414.3	2231.9	3087.4
52.5°	3734.7	3726.7	3347.6	2478.4	3014.9	4037.2	4578.1	4034.1	2710.1	2639.8	3781.4
55°	4352.1	4430.4	4224.0	2965.5	3469.5	4763.6	5323.3	4712.9	3111.4	3314.3	4594.1
57.5°	4684.9	4895.3	5212.5	3959.3	4130.6	5632.0	6242.8	5541.7	3800.9	4437.1	5347.7
60°	4465.1	4703.6	5278.3	4707.6	4786.3	6327.8	7001.8	6238.4	4478.0	5216.5	5305.0
62.5°	4099.4	4313.4	4824.6	4270.7	4887.8	6480.8	7019.6	6359.8	4747.2	4821.0	4792.1
65°	3665.7	3881.5	4422.9	3728.0	4565.2	6117.4	6501.7	6002.6	4263.6	4355.7	4366.4
67.5°	3089.6	3288.9	3840.1	3314.7	4161.3	5584.0	5706.8	5493.7	3926.4	4073.2	3919.7
70°	2308.4	2488.1	2974.8	2693.7	3507.8	4889.1	4789.9	4821.5	3547.8	3693.7	3274.2
72.5°	1577.5	1712.7	2130.0	2116.7	2686.1	3913.9	3775.6	4075.0	2963.3	3156.8	2496.1
75°	1103.3	1208.7	1539.7	1672.3	2030.4	2901.0	2688.8	3050.0	2314.2	2590.5	1821.3
77.5°	677.1	746.9	972.5	1239.0	1306.1	1985.4	1670.0	2295.1	1625.1	1889.4	1214.9
80°	338.5	372.4	472.4	779.0	866.2	1170.0	922.2	1332.4	1099.7	1170.0	672.2
82.5°	102.3	113.0	138.4	295.8	448.9	673.5	545.0	774.1	600.6	548.5	264.7
85°	27.1	30.7	38.3	87.6	157.5	241.6	184.2	375.0	287.8	202.4	99.7
87.5°	2.2	2.2	1.8	1.8	0.9	0.0	0.0	26.7	53.8	30.7	17.3
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: P631116  
 CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9
2.5°	849.3	847.5	829.2	815.9	800.3	785.2	769.6	755.8	740.3	724.7	720.2
5°	917.8	905.3	866.6	834.1	802.1	774.1	749.6	724.2	703.8	683.8	676.2
7.5°	978.3	956.5	900.4	851.0	806.5	771.8	735.8	698.9	670.0	641.5	634.4
10°	1033.0	1004.1	933.3	871.0	821.7	782.1	739.8	690.4	648.6	613.9	604.6
12.5°	1073.5	1041.9	961.8	890.2	834.1	789.6	747.8	704.2	660.2	615.3	605.0
15°	1105.5	1072.6	985.4	904.9	834.6	777.2	736.7	721.6	707.8	663.7	645.1
17.5°	1131.3	1096.6	1005.8	913.8	822.6	739.4	704.2	726.5	761.6	734.0	698.9
20°	1154.9	1119.7	1021.4	920.0	795.9	687.3	667.7	714.9	767.8	767.0	735.4
22.5°	1180.7	1146.4	1044.1	923.5	758.5	634.4	645.9	698.0	741.1	754.0	734.5
25°	1213.6	1183.3	1075.7	931.6	716.2	597.9	629.9	676.2	712.2	715.3	703.8
27.5°	1251.9	1229.2	1122.8	950.2	675.3	579.2	611.2	645.5	678.4	679.8	666.0
30°	1293.7	1278.5	1166.4	965.8	644.6	573.4	587.2	614.8	635.7	639.3	627.3
32.5°	1347.1	1333.7	1205.1	955.6	626.4	572.1	565.0	579.2	596.6	596.6	587.2
35°	1420.5	1401.8	1246.1	916.4	604.1	566.8	541.4	545.4	553.0	554.3	549.0
37.5°	1524.6	1493.9	1287.4	839.0	567.7	547.6	514.3	509.4	512.0	515.6	514.3
40°	1653.6	1603.3	1347.9	746.0	524.1	510.7	486.2	476.9	474.7	481.8	484.5
42.5°	1815.9	1739.0	1412.9	659.3	484.5	468.4	453.3	445.3	441.8	453.8	460.9
45°	2075.3	1948.5	1475.2	573.4	462.2	432.4	422.2	416.4	418.2	432.4	441.3
47.5°	2523.3	2268.4	1534.3	519.2	460.4	406.6	394.2	395.5	400.4	415.5	426.2
50°	3090.0	2696.8	1573.9	496.5	465.8	391.0	374.6	381.7	389.3	403.9	416.4
52.5°	3667.0	3095.8	1526.8	484.0	465.3	391.5	356.3	377.7	381.3	395.9	409.3
55°	4063.9	3140.3	1319.0	464.9	458.2	409.3	342.1	375.9	378.1	391.5	403.5
57.5°	4215.1	2988.2	1005.8	470.2	436.9	423.1	335.9	363.5	379.5	391.0	403.5
60°	4032.3	2701.2	611.2	484.0	402.6	422.2	339.9	340.8	368.3	387.9	400.4
62.5°	3687.5	2332.9	429.3	444.9	377.7	398.6	349.2	314.1	348.8	372.4	383.5
65°	3292.5	1899.6	327.4	383.0	365.7	362.1	352.3	290.5	322.1	345.2	355.0
67.5°	2881.0	1476.5	266.0	285.6	330.5	327.4	322.1	269.6	290.5	307.0	318.1
70°	2362.7	1033.0	224.7	214.4	283.4	293.6	281.6	243.3	250.0	266.9	275.8
72.5°	1728.3	643.7	184.6	177.1	227.8	256.7	250.5	214.4	217.5	233.6	240.7
75°	1243.0	368.3	148.1	145.9	173.9	219.8	207.3	184.6	188.2	200.2	205.1
77.5°	790.1	205.1	114.3	117.4	124.6	164.2	177.1	157.9	157.9	165.0	169.0
80°	423.1	117.4	83.6	85.0	87.2	125.5	139.7	122.3	122.3	117.4	122.3
82.5°	172.6	67.6	57.4	53.4	58.3	85.9	97.9	77.9	81.4	73.4	75.2
85°	56.9	33.8	28.5	28.0	27.6	37.8	47.2	38.7	46.3	29.4	30.7
87.5°	7.6	6.2	3.6	2.7	3.1	1.3	2.7	3.1	3.1	2.2	2.2
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: P631116  
 CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9
2.5°	717.1	713.6	700.7	703.8	701.6	698.0	701.6	694.9	700.2	702.0	713.1
5°	670.4	662.0	649.5	643.3	641.9	638.4	638.8	635.7	636.6	644.2	656.6
7.5°	628.6	620.6	610.8	606.4	602.3	598.3	597.9	597.5	601.0	607.7	619.7
10°	598.3	593.9	589.9	591.7	589.9	588.1	585.0	585.0	590.8	602.8	617.5
12.5°	598.3	597.5	598.3	603.7	603.2	603.7	599.7	601.9	617.9	638.4	659.3
15°	630.4	623.3	623.3	625.9	625.0	625.0	625.0	634.4	670.9	702.4	724.7
17.5°	669.5	648.6	639.7	638.4	637.9	637.9	639.7	659.7	716.7	750.0	762.9
20°	696.7	657.1	642.4	636.6	637.0	637.9	643.3	670.9	733.6	750.5	747.4
22.5°	701.6	650.4	632.6	624.1	625.5	626.4	634.4	663.7	710.5	713.1	706.9
25°	678.9	631.7	612.6	605.9	607.7	607.2	614.4	635.7	669.1	668.2	664.6
27.5°	645.1	601.9	587.7	583.2	586.3	582.8	585.0	601.5	627.3	626.4	625.0
30°	610.4	573.0	560.1	557.9	561.9	556.5	557.0	570.8	588.6	587.7	587.2
32.5°	575.7	544.1	532.5	532.5	536.5	530.7	531.6	543.6	555.6	552.1	552.1
35°	542.7	520.5	511.2	509.4	512.5	508.5	510.3	521.4	525.8	520.9	517.8
37.5°	513.8	504.0	494.7	488.5	488.9	489.4	494.7	503.1	500.5	493.4	489.4
40°	487.1	487.1	478.2	466.7	465.3	468.4	477.3	486.7	479.1	471.1	466.2
42.5°	468.0	472.0	463.6	452.0	449.3	454.7	464.4	471.1	462.2	453.3	446.6
45°	450.2	460.0	454.2	441.3	437.7	444.0	456.4	459.1	447.1	438.6	433.7
47.5°	437.7	451.1	447.1	434.6	429.3	438.2	451.1	450.7	435.5	426.6	422.6
50°	428.9	445.8	445.3	434.6	428.9	440.0	451.5	445.8	429.3	420.0	416.0
52.5°	421.7	445.3	448.4	442.2	438.2	448.0	455.1	444.0	424.8	415.1	411.9
55°	418.6	447.1	449.3	443.5	440.0	448.9	455.1	447.5	424.8	416.0	413.3
57.5°	419.5	444.9	445.3	437.3	431.1	442.2	452.0	449.8	429.7	419.5	416.4
60°	414.2	432.9	433.7	421.3	414.2	427.5	444.9	443.5	427.5	416.8	411.1
62.5°	396.4	412.8	413.3	401.7	391.5	410.6	429.7	429.3	414.6	403.9	397.3
65°	366.6	383.9	388.4	377.2	369.2	389.7	409.7	408.8	394.2	384.4	377.7
67.5°	329.6	348.3	356.8	349.2	346.1	364.8	383.5	383.0	371.0	361.7	355.9
70°	284.7	300.3	314.5	314.5	312.3	333.7	353.7	351.9	340.8	333.7	329.2
72.5°	247.3	259.4	263.8	268.3	274.9	297.2	314.1	315.4	307.4	303.8	307.4
75°	210.4	218.0	222.0	218.4	230.0	253.1	275.4	277.6	269.1	263.4	264.7
77.5°	173.1	181.5	185.5	177.5	176.6	206.0	233.1	238.0	230.9	222.0	224.7
80°	125.0	136.1	142.8	137.5	135.7	148.6	186.0	191.3	184.6	177.5	181.5
82.5°	76.5	82.7	84.5	89.9	101.0	106.3	119.7	137.5	132.6	126.3	137.5
85°	30.3	36.0	40.0	45.4	52.9	62.7	73.8	88.1	80.1	77.4	91.2
87.5°	1.8	0.4	0.0	0.9	7.6	14.7	31.6	43.6	36.5	39.1	47.2
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: P631116  
 CATALOG NUMBER: GWS-SA1F-722-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9
2.5°	722.0	733.6	749.2	762.1	778.5	794.1	810.1	826.1	834.6	838.1
5°	670.9	692.2	717.1	744.7	776.7	810.5	844.8	879.9	902.2	904.0
7.5°	640.2	670.9	705.1	739.8	779.4	826.1	880.4	934.7	957.4	963.6
10°	650.0	684.2	711.3	743.8	787.4	845.7	909.8	973.4	999.6	1007.2
12.5°	689.1	695.8	704.2	734.0	787.4	862.6	940.0	1015.6	1043.7	1050.8
15°	721.6	689.5	674.4	706.0	776.7	877.3	972.0	1055.7	1089.5	1096.2
17.5°	724.2	669.1	636.2	664.6	758.1	887.5	1002.7	1100.2	1128.6	1134.9
20°	697.1	647.3	604.6	621.9	732.7	892.0	1025.0	1132.6	1160.7	1166.9
22.5°	666.4	629.5	583.2	582.3	702.0	896.9	1051.7	1163.3	1193.6	1197.6
25°	637.5	605.0	565.9	553.4	666.4	906.2	1087.7	1209.6	1232.7	1234.1
27.5°	603.7	578.8	552.1	540.1	635.3	924.0	1141.1	1264.8	1278.5	1276.3
30°	573.0	554.3	542.3	538.7	615.7	937.3	1191.8	1319.0	1319.9	1312.4
32.5°	540.5	533.4	533.4	545.0	599.7	934.2	1233.2	1372.0	1363.5	1352.4
35°	511.6	512.9	522.3	549.4	573.0	903.1	1272.8	1438.3	1425.8	1409.8
37.5°	484.0	494.2	507.6	533.8	537.8	856.8	1319.0	1532.1	1516.6	1496.5
40°	460.4	476.0	491.6	504.5	500.5	791.0	1383.5	1642.4	1625.1	1602.0
42.5°	441.8	456.9	474.2	475.6	476.9	722.5	1452.0	1777.7	1774.6	1749.2
45°	429.7	439.5	456.0	453.8	475.6	646.8	1515.2	1984.1	2025.0	2005.9
47.5°	421.7	429.3	431.1	440.4	487.1	579.2	1596.6	2388.0	2501.9	2480.1
50°	417.3	424.8	404.8	441.3	488.9	535.6	1709.2	2895.2	3078.5	3049.6
52.5°	416.8	415.1	384.8	450.7	479.1	508.9	1767.9	3265.3	3671.9	3734.7
55°	417.7	395.5	374.6	453.3	459.5	499.1	1571.3	3443.3	4219.6	4352.1
57.5°	409.7	374.1	380.4	442.6	422.6	525.4	1161.5	3379.7	4438.4	4684.9
60°	394.6	353.7	391.0	413.7	384.8	480.5	799.9	3095.8	4211.6	4465.1
62.5°	372.8	339.4	389.7	376.4	371.0	393.3	549.9	2698.6	3851.7	4099.4
65°	348.3	327.9	368.8	340.3	343.4	302.5	388.8	2250.1	3421.9	3665.7
67.5°	322.1	320.7	338.1	303.0	290.1	239.8	283.4	1803.5	2869.8	3089.6
70°	292.3	302.1	307.4	269.1	235.3	188.2	210.4	1261.2	2117.1	2308.4
72.5°	262.5	263.4	270.9	234.0	176.2	150.8	157.9	763.8	1438.3	1577.5
75°	232.2	223.8	230.9	190.4	131.2	123.7	121.9	472.0	993.4	1103.3
77.5°	199.7	190.4	181.1	143.2	105.4	95.6	93.4	264.7	609.5	677.1
80°	162.4	149.9	135.2	105.0	77.0	68.5	68.1	129.0	303.8	338.5
82.5°	126.3	102.8	98.8	65.4	47.6	41.8	44.5	49.4	91.6	102.3
85°	88.5	74.7	52.5	26.2	21.4	17.3	16.9	14.7	24.5	27.1
87.5°	49.4	32.5	16.9	3.1	3.6	4.0	3.1	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)