

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: P633313

Luminaire Tested: GWS-SA2E-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633313  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-740-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

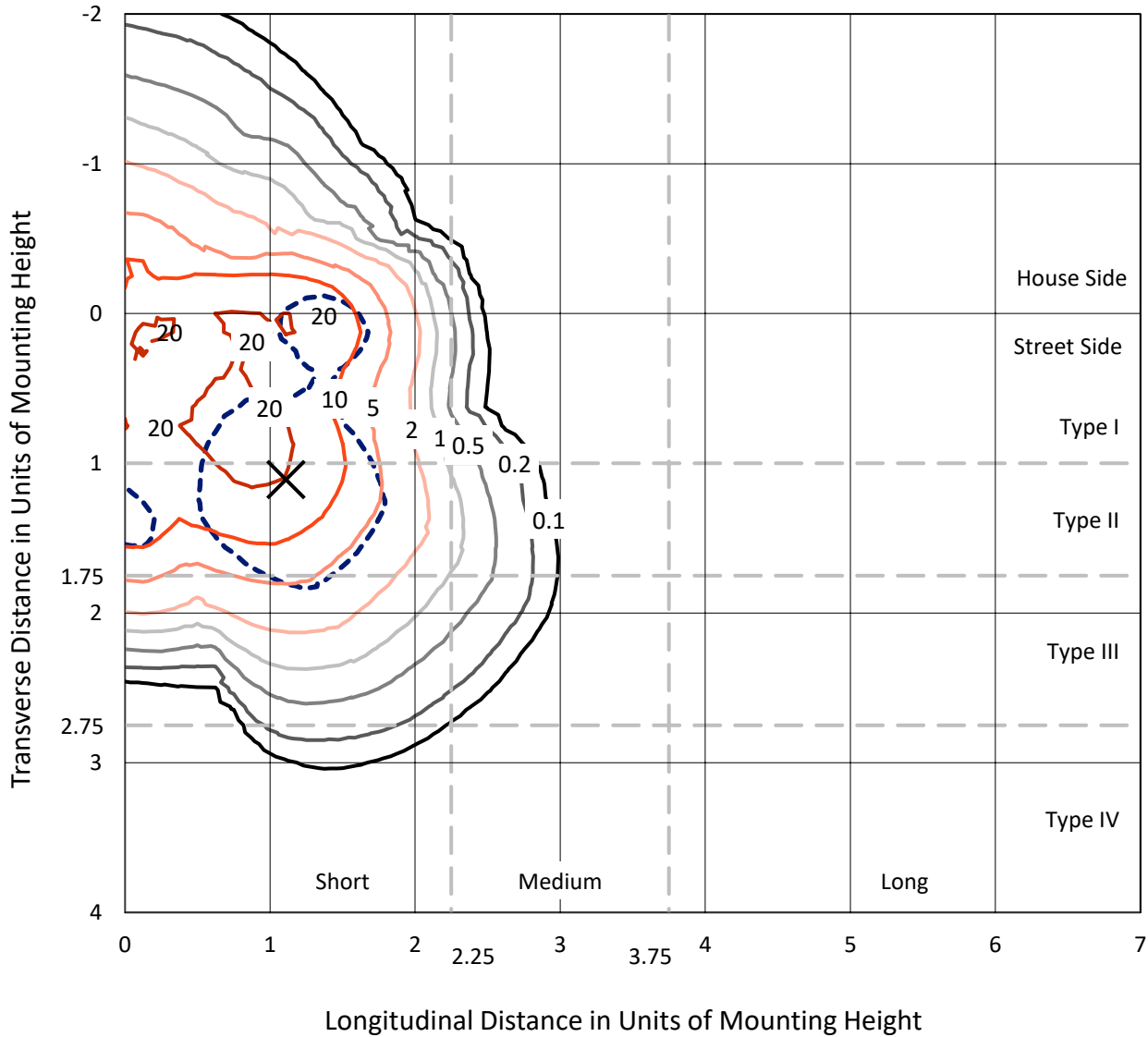
Lumens per Lamp: N/A  
Luminaire Lumens: 7784.3 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P633313  
 CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

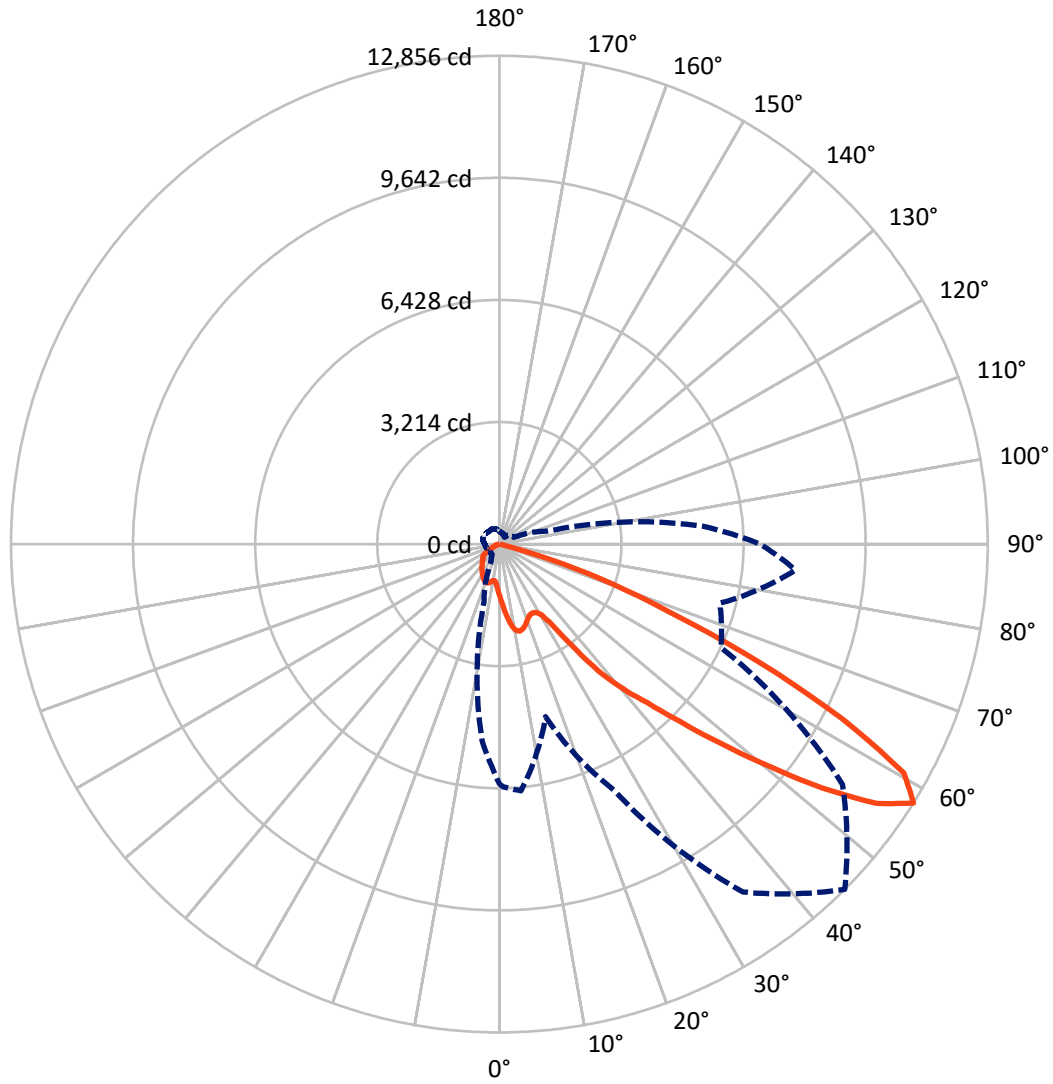
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P633313  
CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633313  
 CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1743.1	0.0	1743.1
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	6041.2	0.0	6041.2
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	7784.3	0.0	7784.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.6	1.7
10°-20°	435.4	5.6
20°-30°	707.3	9.1
30°-40°	1092.9	14.0
40°-50°	1752.4	22.5
50°-60°	2395.1	30.8
60°-70°	1160.0	14.9
70°-80°	106.2	1.4
80°-90°	0.3	0.0
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°	7784.3	100.0
0°-180°	7784.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633313

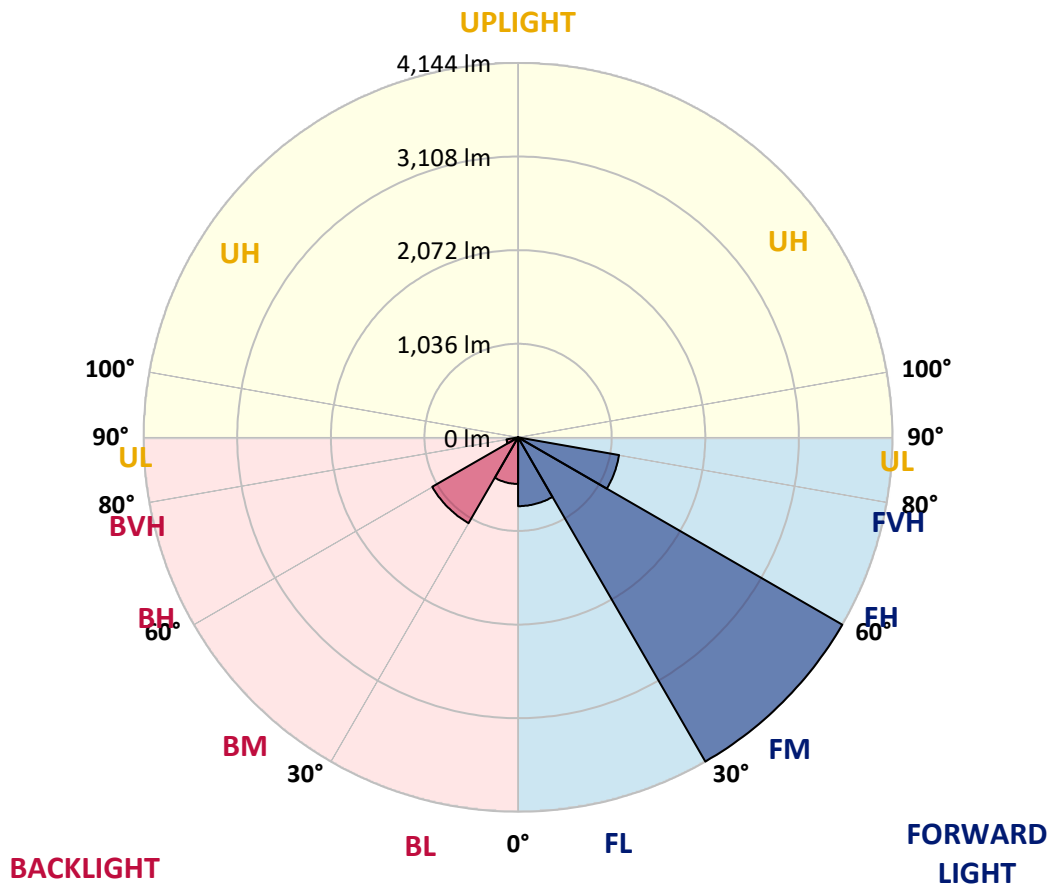
CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.5	9.8			
FM (30°-60°)	4143.8	53.2			
FH (60°-80°)	1135.6	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	515.8	6.6	B2/1000		
BM (30°-60°)	1096.7	14.1	B2/2500		
BH (60°-80°)	130.6	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type III Short





REPORT NUMBER: P633313

CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2
2.5°	1482.2	1491.6	1507.3	1540.8	1569.0	1587.8	1596.2	1594.1	1582.6	1574.2	1557.5
5°	1641.2	1641.2	1671.5	1747.9	1806.5	1843.1	1861.9	1850.4	1827.4	1790.8	1734.3
7.5°	1780.3	1785.5	1836.8	1945.6	2034.5	2086.8	2117.1	2110.8	2070.0	2000.0	1887.0
10°	1889.1	1895.4	1963.4	2096.2	2200.8	2254.1	2299.1	2303.3	2258.3	2165.2	2035.5
12.5°	1994.7	2001.0	2072.1	2199.7	2291.8	2313.8	2353.5	2369.2	2357.7	2291.8	2156.9
15°	2108.7	2123.4	2184.1	2279.2	2317.9	2291.8	2317.9	2346.2	2384.9	2378.6	2257.3
17.5°	2220.7	2231.1	2292.8	2326.3	2283.4	2215.4	2228.0	2261.5	2349.3	2435.1	2356.6
20°	2324.2	2338.9	2390.1	2346.2	2216.5	2110.8	2111.9	2155.8	2289.7	2469.6	2458.1
22.5°	2433.0	2455.0	2491.6	2368.2	2154.8	2028.2	2033.4	2073.2	2242.6	2502.0	2573.2
25°	2575.3	2596.2	2620.2	2422.5	2134.9	1987.4	2007.3	2043.9	2242.6	2557.5	2715.4
27.5°	2767.7	2782.4	2783.4	2524.0	2169.4	1993.7	2035.5	2077.4	2309.6	2668.4	2905.8
30°	3009.4	3032.4	3002.0	2682.0	2277.2	2077.4	2139.1	2191.4	2453.9	2855.6	3186.1
32.5°	3303.3	3335.7	3294.9	2916.3	2502.0	2366.1	2478.0	2508.3	2684.0	3126.5	3504.1
35°	3648.5	3675.7	3631.7	3240.5	3027.1	3052.2	3255.2	3216.5	3146.4	3460.2	3875.4
37.5°	4027.1	4052.2	3967.5	3732.1	3803.3	3912.1	4236.3	4103.5	3877.5	3890.1	4278.2
40°	4374.4	4401.6	4268.7	4266.7	4413.1	4611.8	5003.0	4820.0	4512.5	4452.8	4655.8
42.5°	4734.2	4753.0	4632.8	4551.2	4883.8	5292.8	5707.0	5460.1	4933.0	4868.1	5128.6
45°	5247.8	5287.6	5073.1	4691.3	5307.4	6076.2	6653.6	6171.4	5219.6	5167.3	5852.4
47.5°	6003.0	6032.3	5595.1	4779.2	5701.8	7052.2	7836.7	7094.0	5471.7	5352.4	6841.9
50°	6627.5	6647.4	6075.2	4875.4	6121.2	8104.4	9185.0	8188.1	5755.1	5658.9	7765.5
52.5°	7087.7	7163.0	6705.9	5073.1	6672.5	9341.9	10677.6	9484.1	6197.6	6250.9	8531.2
55°	7182.9	7285.4	7136.9	5194.5	7157.8	10602.3	12056.3	10644.1	6639.0	6699.7	8788.5
57.5°	6312.6	6394.2	6517.7	4704.9	7146.3	11179.7	12856.4	11029.1	6438.2	6008.3	7825.2
60°	4729.0	4785.5	5009.3	3596.2	6572.0	10669.2	12233.0	10374.3	5629.6	4584.6	5962.2
62.5°	2804.3	2829.4	3112.9	2329.5	5454.9	9188.1	10145.2	8951.7	4448.7	3083.6	3651.6
65°	1076.3	1065.9	1282.4	1149.6	4011.4	7318.9	7545.9	6824.1	3052.2	1413.2	1392.2
67.5°	166.3	159.0	214.4	340.0	2893.2	5072.1	4979.0	4918.3	1912.1	329.5	287.7
70°	37.7	37.7	46.0	100.4	1767.7	2980.1	3189.3	3040.7	1223.8	70.1	37.7
72.5°	17.8	17.8	22.0	42.9	640.2	1228.0	1430.9	1409.0	397.5	23.0	13.6
75°	6.3	7.3	7.3	9.4	38.7	63.8	146.4	104.6	25.1	0.0	0.0
77.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P633313

CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2
2.5°	1520.9	1513.6	1486.4	1449.8	1414.2	1382.8	1350.4	1311.7	1283.4	1251.0	1240.6
5°	1690.3	1644.3	1570.1	1492.6	1421.5	1360.9	1302.3	1239.5	1193.5	1147.5	1131.8
7.5°	1833.6	1765.7	1645.4	1529.3	1432.0	1346.2	1261.5	1175.7	1108.8	1054.4	1037.6
10°	1962.3	1883.9	1722.8	1579.5	1457.1	1357.7	1255.2	1147.5	1060.6	995.8	980.1
12.5°	2073.2	1982.2	1788.7	1617.1	1467.5	1353.5	1254.2	1168.4	1089.9	1015.7	995.8
15°	2166.3	2065.9	1844.1	1642.2	1451.9	1301.2	1214.4	1200.8	1194.5	1112.9	1074.2
17.5°	2257.3	2144.3	1889.1	1653.7	1407.9	1209.2	1146.4	1208.1	1274.0	1220.7	1171.5
20°	2352.5	2223.8	1935.1	1655.8	1334.7	1105.6	1095.2	1192.4	1276.1	1259.4	1213.4
22.5°	2464.4	2323.2	1992.6	1654.8	1242.7	1017.8	1057.5	1162.1	1230.1	1229.1	1192.4
25°	2626.5	2448.7	2070.0	1661.1	1142.2	949.8	1015.7	1110.9	1166.3	1164.2	1133.9
27.5°	2800.2	2598.3	2170.5	1676.7	1056.5	910.0	966.5	1040.8	1088.9	1086.8	1060.6
30°	3043.9	2770.9	2266.7	1677.8	994.8	889.1	912.1	963.4	1009.4	1004.2	984.3
32.5°	3339.9	2965.4	2347.2	1618.2	956.0	869.2	855.6	881.8	917.3	910.0	904.8
35°	3697.6	3196.6	2416.3	1487.4	896.4	829.5	792.9	798.1	823.2	827.4	825.3
37.5°	4105.6	3471.7	2502.0	1314.8	815.9	772.0	722.8	718.6	733.2	746.8	757.3
40°	4508.3	3781.3	2618.2	1140.1	742.7	698.7	651.7	641.2	647.5	671.5	693.5
42.5°	4961.2	4140.1	2743.7	990.6	692.5	618.2	573.2	553.3	571.1	609.8	636.0
45°	5613.9	4643.2	2866.1	871.3	671.5	547.1	486.4	484.3	504.2	554.4	583.7
47.5°	6530.2	5293.8	2946.6	778.2	670.5	491.6	419.4	432.0	455.0	504.2	537.6
50°	7423.5	6108.7	2857.7	707.1	648.5	455.0	369.2	394.3	417.4	460.2	494.8
52.5°	7962.2	6546.9	2511.5	640.2	580.5	438.3	320.1	364.0	368.2	406.9	443.5
55°	7905.7	6263.5	1923.6	536.6	480.1	414.2	268.8	328.4	330.5	359.8	391.2
57.5°	6861.8	5377.5	1321.1	435.1	360.9	342.0	221.8	277.2	297.1	314.8	337.9
60°	5113.9	3923.6	588.9	353.5	229.1	231.2	189.3	209.2	239.5	260.5	280.3
62.5°	3013.5	2257.3	239.5	212.3	126.6	145.4	152.7	152.7	171.5	187.2	199.8
65°	1139.1	789.7	97.3	106.7	65.9	68.0	90.0	110.9	125.5	139.1	155.9
67.5°	199.8	138.1	50.2	39.7	38.7	34.5	46.0	72.2	80.5	91.0	98.3
70°	33.5	28.2	20.9	19.9	17.8	18.8	30.3	51.3	56.5	59.6	62.8
72.5°	9.4	8.4	6.3	5.2	4.2	5.2	18.8	39.7	41.8	43.9	47.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.3	28.2	30.3	31.4	34.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	8.4	10.5	8.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P633313

CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2
2.5°	1234.3	1213.4	1201.9	1195.6	1195.6	1187.2	1177.8	1174.7	1188.3	1188.3	1211.3
5°	1111.9	1095.2	1076.3	1064.8	1047.1	1050.2	1039.7	1038.7	1052.3	1058.6	1082.6
7.5°	1027.2	1006.3	994.8	987.4	978.0	973.8	964.4	961.3	968.6	979.1	1002.1
10°	970.7	967.6	966.5	971.7	971.7	966.5	958.1	952.9	955.0	974.9	1001.0
12.5°	985.3	991.6	993.7	1002.1	1006.3	1002.1	995.8	997.9	1011.5	1048.1	1086.8
15°	1049.1	1043.9	1041.8	1046.0	1049.1	1045.0	1042.9	1058.6	1105.6	1157.9	1201.9
17.5°	1117.1	1083.7	1069.0	1069.0	1071.1	1069.0	1071.1	1101.4	1177.8	1230.1	1262.5
20°	1151.7	1089.9	1066.9	1061.7	1065.9	1066.9	1074.2	1108.8	1192.4	1229.1	1236.4
22.5°	1141.2	1063.8	1037.6	1033.5	1037.6	1041.8	1049.1	1078.4	1156.9	1175.7	1172.6
25°	1088.9	1012.5	991.6	991.6	1001.0	1000.0	1003.1	1024.0	1088.9	1100.4	1095.2
27.5°	1023.0	950.8	933.0	943.5	951.9	949.8	950.8	968.6	1016.7	1019.9	1014.6
30°	956.0	893.3	876.6	889.1	900.6	898.5	899.6	917.3	947.7	944.5	937.2
32.5°	888.1	842.0	829.5	836.8	854.6	852.5	856.7	875.5	887.0	873.4	865.0
35°	825.3	801.2	791.8	796.0	809.6	812.7	820.1	832.6	832.6	815.9	801.2
37.5°	766.7	763.6	757.3	752.1	764.6	774.0	784.5	799.1	778.2	754.2	740.6
40°	712.3	725.9	717.6	704.0	711.3	724.9	745.8	757.3	732.2	708.1	685.1
42.5°	662.1	685.1	682.0	665.3	671.5	684.1	708.1	717.6	688.3	661.1	639.1
45°	614.0	646.4	648.5	627.6	633.9	646.4	674.7	677.8	640.2	610.9	595.2
47.5°	572.2	607.7	608.8	593.1	595.2	613.0	639.1	640.2	597.3	570.1	550.2
50°	532.4	573.2	576.3	562.8	564.8	585.8	607.7	603.5	557.5	529.3	511.5
52.5°	484.3	539.7	547.1	540.8	549.2	565.9	579.5	564.8	511.5	483.3	467.6
55°	432.0	504.2	519.9	515.7	525.1	538.7	541.8	532.4	465.5	437.2	422.6
57.5°	371.3	415.3	442.5	434.1	441.4	455.0	464.4	457.1	406.9	384.9	372.4
60°	307.5	336.8	343.1	329.5	323.2	347.3	369.2	359.8	316.9	303.3	288.7
62.5°	224.9	258.4	262.5	244.8	237.4	263.6	282.4	273.0	225.9	211.3	199.8
65°	179.9	211.3	219.7	202.9	198.7	218.6	230.1	207.1	173.6	157.9	145.4
67.5°	118.2	143.3	165.3	164.2	155.9	162.1	153.8	134.9	110.9	102.5	94.1
70°	73.2	87.9	101.5	106.7	105.6	103.6	92.0	78.5	71.1	68.0	63.8
72.5°	56.5	71.1	81.6	84.7	85.8	82.6	73.2	60.7	53.3	49.2	46.0
75°	41.8	53.3	61.7	65.9	68.0	65.9	56.5	48.1	40.8	37.7	34.5
77.5°	14.6	17.8	22.0	24.1	23.0	22.0	19.9	19.9	15.7	14.6	12.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P633313

CATALOG NUMBER: GWS-SA2E-740-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2	1368.2
2.5°	1237.4	1256.3	1290.8	1322.2	1355.6	1390.1	1427.8	1466.5	1484.3	1482.2
5°	1119.2	1160.0	1216.5	1278.2	1347.3	1421.5	1504.2	1588.9	1625.5	1641.2
7.5°	1045.0	1102.5	1176.8	1255.2	1346.2	1451.9	1576.3	1709.2	1762.5	1780.3
10°	1054.4	1121.3	1183.0	1259.4	1356.7	1493.7	1648.5	1806.5	1869.2	1889.1
12.5°	1130.7	1145.4	1162.1	1224.9	1347.3	1525.1	1714.4	1902.7	1974.9	1994.7
15°	1199.8	1131.8	1100.4	1157.9	1313.8	1547.0	1781.3	2006.2	2085.7	2108.7
17.5°	1202.9	1100.4	1030.3	1075.3	1259.4	1556.5	1847.2	2111.9	2198.7	2220.7
20°	1164.2	1065.9	975.9	977.0	1185.1	1554.4	1901.6	2207.1	2304.3	2324.2
22.5°	1107.7	1025.1	932.0	899.6	1105.6	1550.2	1961.3	2308.5	2414.2	2433.0
25°	1045.0	972.8	890.2	841.0	1026.1	1554.4	2044.9	2441.4	2557.5	2575.3
27.5°	977.0	915.3	857.7	818.0	959.2	1570.1	2145.4	2610.8	2748.9	2767.7
30°	905.8	859.8	836.8	812.7	917.3	1574.2	2254.1	2808.5	2983.2	3009.4
32.5°	835.8	810.7	811.7	815.9	877.6	1544.9	2353.5	3028.2	3261.4	3303.3
35°	770.9	763.6	784.5	805.4	820.1	1469.6	2440.3	3287.6	3605.6	3648.5
37.5°	715.5	721.7	747.9	768.8	757.3	1362.9	2555.4	3611.9	3990.5	4027.1
40°	662.1	677.8	708.1	717.6	709.2	1238.5	2693.5	3924.6	4324.2	4374.4
42.5°	613.0	624.5	667.4	669.4	695.6	1111.9	2826.3	4261.4	4708.1	4734.2
45°	573.2	571.1	615.1	628.6	713.4	971.7	2956.0	4710.2	5210.1	5247.8
47.5°	534.5	532.4	542.9	604.6	720.7	842.0	3084.7	5367.1	5938.2	6003.0
50°	497.9	501.0	468.6	593.1	680.9	742.7	3143.2	5974.8	6600.3	6627.5
52.5°	465.5	454.0	397.5	555.4	596.2	648.5	2976.9	6250.9	7010.3	7087.7
55°	419.4	355.6	327.4	450.8	470.7	565.9	2438.2	6090.9	7045.9	7182.9
57.5°	358.8	279.3	278.2	332.6	332.6	525.1	1561.7	5203.9	6072.1	6312.6
60°	276.1	216.5	230.1	231.2	213.4	382.8	876.6	3769.8	4489.5	4729.0
62.5°	196.6	165.3	173.6	138.1	122.4	191.4	420.5	2170.5	2770.9	2804.3
65°	131.8	111.9	91.0	76.4	75.3	81.6	173.6	784.5	954.0	1076.3
67.5°	86.8	68.0	48.1	48.1	54.4	54.4	65.9	129.7	182.0	166.3
70°	56.5	47.1	30.3	29.3	35.6	35.6	33.5	35.6	37.7	37.7
72.5°	41.8	35.6	17.8	15.7	19.9	20.9	18.8	17.8	17.8	17.8
75°	31.4	25.1	10.5	7.3	9.4	12.6	10.5	7.3	7.3	6.3
77.5°	12.6	9.4	4.2	3.1	5.2	7.3	6.3	3.1	2.1	2.1
80°	1.0	2.1	2.1	2.1	3.1	4.2	5.2	2.1	1.0	1.0
82.5°	0.0	1.0	1.0	1.0	2.1	3.1	4.2	2.1	1.0	1.0
85°	0.0	0.0	0.0	0.0	2.1	3.1	2.1	1.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.0	3.1	2.1	1.0	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)