

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: P633367

Luminaire Tested: GWS-SA2E-750-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-750-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

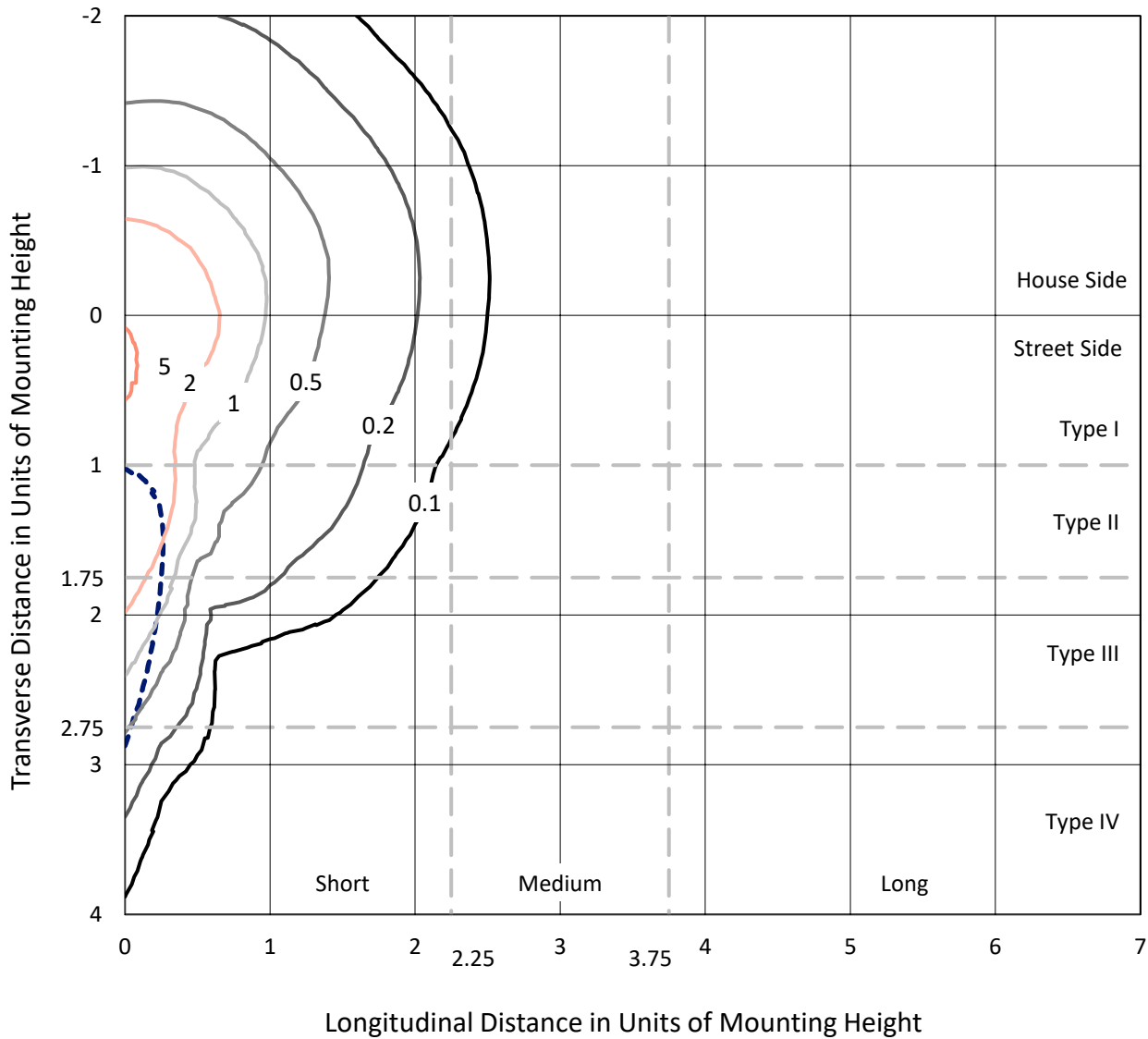
Lumens per Lamp: N/A  
Luminaire Lumens: 13988.7 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P633367  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

### Iso-Footcandle Lines of Horizontal Illumination

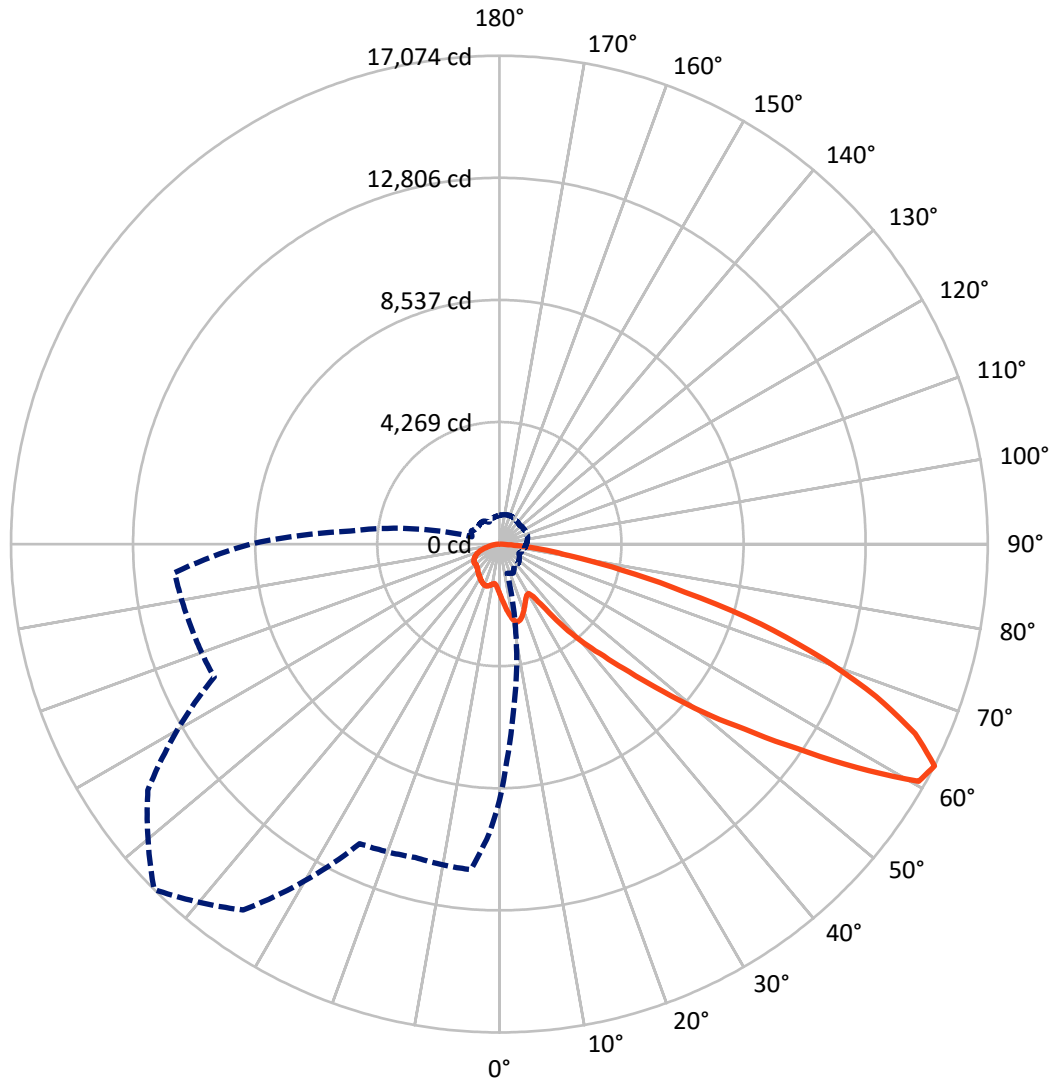
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Short - N/A

REPORT NUMBER: P633367  
CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P633367

CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3344.7	0.0	3344.7
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	10644.0	0.0	10644.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	13988.7	0.0	13988.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.8	1.2
10°-20°	558.4	4.0
20°-30°	879.1	6.3
30°-40°	1204.9	8.6
40°-50°	1880.1	13.4
50°-60°	3241.6	23.2
60°-70°	3756.6	26.9
70°-80°	1982.9	14.2
80°-90°	313.2	2.2
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°	13988.7	100.0
0°-180°	13988.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633367

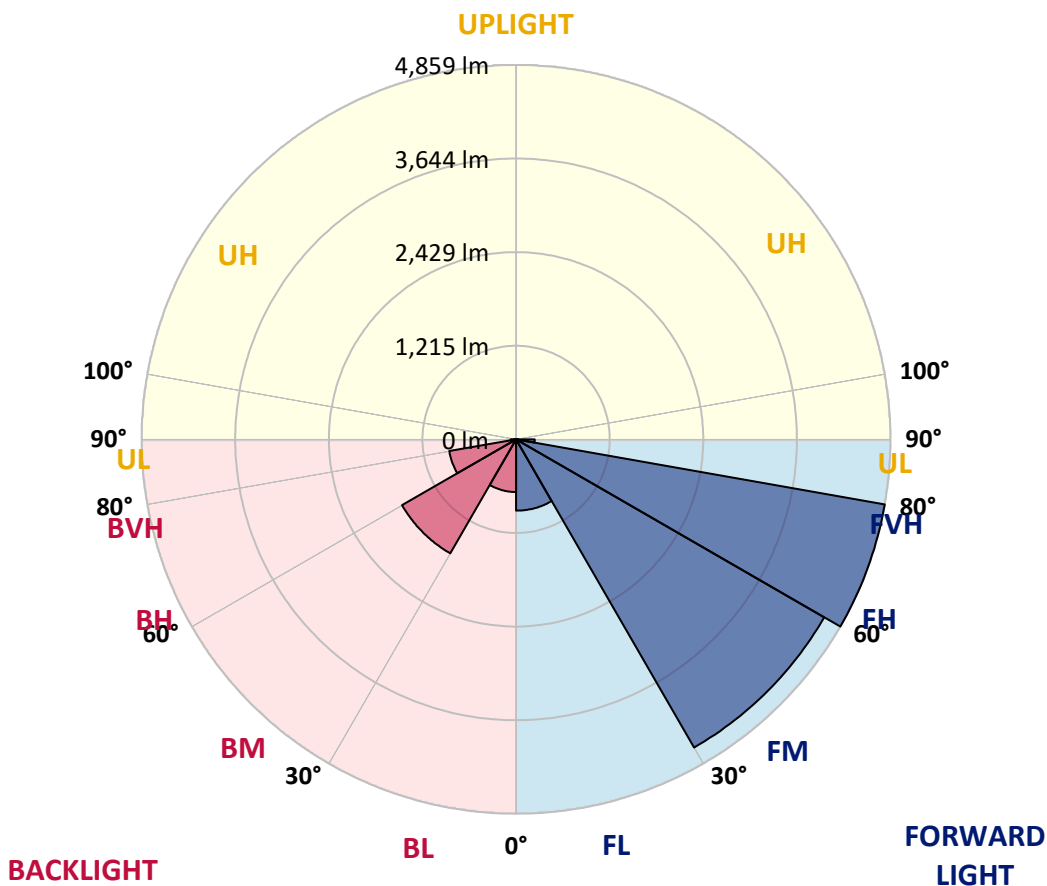
CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	925.2	6.6			
FM (30°-60°)	4618.2	33.0			
FH (60°-80°)	4858.9	34.7			G2/5000
FVH (80°-90°)	241.8	1.7			G3/500
BL (0°-30°)	684.1	4.9	B2/1000		
BM (30°-60°)	1708.5	12.2	B2/2500		
BH (60°-80°)	880.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	71.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





REPORT NUMBER: P633367  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1
2.5°	1895.0	1887.5	1876.8	1840.4	1817.9	1792.3	1765.5	1734.5	1699.2	1674.6	1649.9
5°	2055.5	2043.7	2018.0	1931.4	1871.4	1806.2	1751.6	1689.5	1628.5	1586.8	1545.1
7.5°	2209.6	2194.6	2155.0	2022.3	1924.9	1830.8	1748.4	1658.5	1567.6	1505.5	1456.3
10°	2363.6	2332.6	2282.3	2109.0	1980.6	1871.4	1777.3	1667.1	1546.2	1461.6	1409.2
12.5°	2481.3	2452.4	2397.9	2188.2	2036.2	1899.3	1793.3	1691.7	1589.0	1499.1	1445.6
15°	2591.5	2554.1	2492.0	2262.0	2082.2	1898.2	1761.2	1672.4	1657.4	1635.0	1565.4
17.5°	2670.7	2636.5	2572.3	2321.9	2107.9	1865.0	1672.4	1620.0	1687.4	1755.9	1689.5
20°	2740.3	2700.7	2635.4	2363.6	2113.3	1791.2	1564.3	1565.4	1671.3	1765.5	1749.5
22.5°	2799.1	2755.3	2697.5	2410.7	2111.1	1688.5	1470.2	1534.4	1640.3	1714.1	1716.3
25°	2871.9	2835.5	2787.4	2480.3	2111.1	1583.6	1401.7	1496.9	1587.9	1649.9	1647.8
27.5°	2960.7	2936.1	2896.5	2586.2	2130.4	1495.9	1363.2	1448.8	1520.5	1574.0	1572.9
30°	3060.2	3037.7	3007.8	2698.5	2163.5	1430.6	1341.8	1388.9	1441.3	1484.1	1484.1
32.5°	3161.9	3153.3	3121.2	2788.4	2137.9	1410.3	1323.6	1328.9	1356.8	1392.1	1388.9
35°	3303.1	3294.5	3253.9	2858.0	2026.6	1381.4	1294.7	1268.0	1271.2	1293.6	1301.1
37.5°	3509.6	3496.8	3436.8	2939.3	1858.6	1308.6	1247.6	1203.8	1194.1	1203.8	1217.7
40°	3758.9	3739.7	3658.3	3049.5	1664.9	1210.2	1173.8	1137.4	1121.4	1124.6	1140.6
42.5°	4071.4	4030.7	3914.1	3166.1	1473.4	1123.5	1091.4	1068.9	1050.7	1048.6	1079.6
45°	4578.5	4467.3	4282.1	3269.9	1311.8	1077.5	1017.6	1001.5	986.5	995.1	1031.5
47.5°	5464.5	5259.1	4898.5	3358.7	1213.4	1078.6	958.7	941.6	940.5	957.7	998.3
50°	6682.2	6385.8	5829.4	3418.7	1162.0	1091.4	923.4	895.6	915.9	933.0	971.6
52.5°	7848.5	7395.8	6733.5	3417.6	1139.6	1093.5	933.0	852.8	915.9	920.2	956.6
55°	8844.6	8025.0	6977.5	3066.6	1107.5	1085.0	970.5	819.6	904.2	920.2	949.1
57.5°	9636.4	8425.2	6959.3	2477.1	1204.8	1037.9	993.0	812.1	869.9	922.3	955.5
60°	9548.7	8242.2	6511.0	1520.5	1195.2	954.4	989.8	826.0	812.1	893.5	948.0
62.5°	8965.5	7586.3	5739.5	1055.0	1122.4	906.3	937.3	850.7	758.6	851.7	911.6
65°	8149.1	6739.9	4782.9	808.9	929.8	908.4	848.5	833.5	711.6	785.4	849.6
67.5°	7069.5	5690.3	3776.0	640.9	648.4	786.5	770.4	740.4	667.7	726.5	784.3
70°	5314.7	4152.7	2598.0	515.7	491.1	657.0	692.3	665.5	624.9	642.0	703.0
72.5°	3745.0	2711.4	1423.1	408.7	378.8	505.0	601.3	597.1	552.1	565.0	624.9
75°	2783.1	1918.5	889.2	323.1	308.2	361.7	504.0	516.8	479.4	494.3	540.4
77.5°	1852.2	1242.3	494.3	239.7	239.7	264.3	375.6	435.5	407.7	419.4	451.5
80°	1021.9	632.4	247.2	157.3	161.6	181.9	273.9	313.5	314.6	343.5	352.0
82.5°	323.1	201.2	110.2	92.0	86.7	103.8	176.6	224.7	209.7	267.5	246.1
85°	73.8	47.1	20.3	20.3	22.5	34.2	67.4	119.8	153.0	184.0	133.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	47.1	69.6	62.1
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: P633367  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1
2.5°	1635.0	1613.6	1607.1	1589.0	1586.8	1569.7	1563.3	1563.3	1570.8	1570.8	1578.3
5°	1528.0	1501.2	1486.2	1464.8	1459.5	1446.6	1438.1	1439.2	1448.8	1455.2	1468.0
7.5°	1433.8	1415.6	1404.9	1395.3	1393.1	1391.0	1381.4	1380.3	1383.5	1393.1	1402.8
10°	1394.2	1381.4	1384.6	1392.1	1403.8	1410.3	1401.7	1397.4	1394.2	1400.6	1409.2
12.5°	1432.7	1419.9	1426.3	1439.2	1455.2	1461.6	1458.4	1457.3	1460.6	1485.2	1503.4
15°	1517.3	1492.7	1484.1	1489.4	1502.3	1508.7	1505.5	1509.8	1530.1	1594.3	1640.3
17.5°	1622.1	1562.2	1528.0	1518.3	1523.7	1529.0	1529.0	1539.7	1575.0	1669.2	1727.0
20°	1678.8	1600.7	1542.9	1519.4	1521.5	1526.9	1526.9	1541.9	1581.5	1682.0	1719.5
22.5°	1663.9	1592.2	1521.5	1495.9	1496.9	1501.2	1501.2	1514.1	1549.4	1638.2	1655.3
25°	1605.0	1541.9	1472.3	1449.9	1452.0	1459.5	1457.3	1464.8	1491.6	1564.3	1574.0
27.5°	1534.4	1478.7	1410.3	1393.1	1402.8	1417.8	1404.9	1406.0	1430.6	1491.6	1492.7
30°	1458.4	1412.4	1351.4	1338.6	1356.8	1364.3	1352.5	1352.5	1377.1	1418.8	1417.8
32.5°	1376.0	1347.1	1303.3	1289.4	1309.7	1321.5	1306.5	1308.6	1327.9	1355.7	1345.0
35°	1299.0	1284.0	1263.7	1254.0	1266.9	1277.6	1268.0	1272.2	1290.4	1297.9	1282.9
37.5°	1225.2	1223.0	1225.2	1225.2	1228.4	1231.6	1225.2	1235.9	1251.9	1242.3	1225.2
40°	1161.0	1169.5	1189.8	1184.5	1181.3	1184.5	1180.2	1198.4	1214.5	1197.3	1177.0
42.5°	1107.5	1123.5	1154.5	1154.5	1148.1	1150.3	1148.1	1170.6	1182.4	1158.8	1136.3
45°	1061.4	1085.0	1124.6	1129.9	1119.2	1119.2	1123.5	1151.3	1155.6	1123.5	1100.0
47.5°	1029.3	1058.2	1103.2	1112.8	1096.8	1095.7	1107.5	1137.4	1137.4	1100.0	1073.2
50°	1006.9	1039.0	1092.5	1105.3	1089.3	1085.0	1104.2	1133.1	1126.7	1081.8	1055.0
52.5°	991.9	1025.1	1091.4	1109.6	1098.9	1094.6	1113.9	1134.2	1118.2	1070.0	1042.2
55°	982.3	1018.6	1094.6	1109.6	1097.8	1090.3	1109.6	1127.8	1119.2	1063.6	1036.8
57.5°	987.6	1024.0	1090.3	1097.8	1083.9	1071.1	1093.5	1119.2	1116.0	1065.7	1039.0
60°	979.1	1012.2	1066.8	1068.9	1045.4	1025.1	1058.2	1096.8	1096.8	1058.2	1034.7
62.5°	939.5	972.6	1020.8	1022.9	996.2	973.7	1012.2	1058.2	1057.2	1026.1	1001.5
65°	874.2	905.2	959.8	965.1	938.4	914.9	954.4	997.2	1000.5	972.6	951.2
67.5°	802.5	830.3	871.0	892.4	869.9	845.3	881.7	922.3	921.3	888.1	865.6
70°	716.9	742.6	780.0	798.2	784.3	760.8	793.9	815.3	805.7	789.7	774.7
72.5°	632.4	657.0	692.3	692.3	677.3	654.8	664.5	703.0	714.8	703.0	693.4
75°	543.6	565.0	589.6	594.9	561.8	521.1	566.0	599.2	613.1	607.8	596.0
77.5°	452.6	468.7	505.0	495.4	433.4	412.0	448.3	497.6	507.2	504.0	487.9
80°	348.8	358.5	397.0	377.7	329.6	315.7	331.7	370.2	372.4	361.7	341.3
82.5°	234.3	247.2	272.9	235.4	234.3	221.5	208.7	212.9	232.2	230.1	216.1
85°	119.8	126.3	150.9	141.2	120.9	104.9	99.5	105.9	95.2	86.7	74.9
87.5°	50.3	54.6	74.9	41.7	12.8	0.0	0.0	6.4	9.6	13.9	15.0
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: P633367  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1
2.5°	1595.4	1607.1	1636.0	1672.4	1707.7	1744.1	1783.7	1808.3	1838.3	1876.8	1877.9
5°	1484.1	1510.8	1552.6	1608.2	1666.0	1732.3	1809.4	1873.6	1950.6	2011.6	2036.2
7.5°	1415.6	1454.1	1506.6	1577.2	1653.2	1735.5	1836.1	1944.2	2070.5	2151.8	2199.9
10°	1422.0	1480.9	1533.3	1593.2	1661.7	1750.5	1880.0	2023.4	2178.5	2285.5	2345.4
12.5°	1536.5	1598.6	1589.0	1585.7	1631.8	1739.8	1915.3	2103.6	2293.0	2400.0	2471.7
15°	1681.0	1704.5	1613.6	1545.1	1572.9	1701.3	1934.6	2175.3	2388.2	2518.8	2589.4
17.5°	1754.8	1707.7	1597.5	1494.8	1487.3	1642.5	1944.2	2248.1	2495.2	2625.8	2700.7
20°	1720.6	1652.1	1559.0	1461.6	1408.1	1562.2	1938.8	2305.9	2592.6	2738.1	2799.1
22.5°	1646.7	1586.8	1514.1	1421.0	1343.9	1474.5	1924.9	2363.6	2679.3	2825.9	2879.4
25°	1566.5	1521.5	1461.6	1380.3	1307.5	1397.4	1915.3	2440.7	2778.8	2919.0	2953.2
27.5°	1486.2	1453.1	1403.8	1340.7	1299.0	1343.9	1918.5	2541.3	2907.2	3039.9	3026.0
30°	1407.1	1378.2	1343.9	1316.1	1297.9	1331.1	1910.0	2648.3	3048.4	3171.5	3089.1
32.5°	1332.2	1305.4	1284.0	1288.3	1299.0	1336.4	1866.1	2745.6	3177.9	3282.8	3157.6
35°	1268.0	1240.1	1240.1	1255.1	1294.7	1318.2	1752.7	2821.6	3321.3	3426.1	3254.9
37.5°	1208.0	1183.4	1199.5	1224.1	1261.5	1269.0	1607.1	2895.4	3529.9	3628.4	3405.8
40°	1155.6	1131.0	1159.9	1190.9	1210.2	1207.0	1459.5	2998.1	3776.0	3877.7	3605.9
42.5°	1113.9	1091.4	1117.1	1156.7	1159.9	1163.1	1351.4	3096.6	4061.7	4191.2	3950.4
45°	1079.6	1063.6	1076.4	1116.0	1116.0	1165.2	1284.0	3179.0	4491.9	4720.8	4582.8
47.5°	1052.9	1043.3	1049.7	1062.5	1083.9	1203.8	1241.2	3242.1	5275.1	5724.5	5585.4
50°	1037.9	1028.3	1036.8	1010.1	1074.3	1223.0	1227.3	3290.3	6307.7	7011.7	6839.4
52.5°	1025.1	1021.9	1027.2	965.1	1095.7	1210.2	1216.6	3226.1	6999.9	8278.6	8448.7
55°	1020.8	1022.9	997.2	932.0	1121.4	1167.4	1184.5	2767.0	7188.3	9371.1	10427.2
57.5°	1022.9	1016.5	951.2	935.2	1122.4	1081.8	1230.5	1974.2	6914.3	9846.1	12362.8
60°	1015.4	983.3	895.6	964.1	1073.2	981.2	1197.3	1287.2	6192.1	9481.3	12475.1
62.5°	982.3	935.2	847.4	980.1	985.5	921.3	1087.1	991.9	5229.1	8700.2	11392.3
65°	934.1	871.0	806.8	947.0	896.7	893.5	817.5	795.0	4205.1	7770.3	10365.1
67.5°	854.9	791.8	776.8	871.0	806.8	791.8	657.0	659.1	3355.5	6779.5	9332.5
70°	765.1	701.9	713.7	787.5	718.0	658.1	531.8	548.9	2545.5	5648.5	7940.5
72.5°	706.2	621.7	622.7	693.4	631.3	532.9	437.6	452.6	1615.7	4257.5	6313.0
75°	596.0	547.8	524.3	561.8	536.1	415.2	368.1	364.9	957.7	3051.6	4727.3
77.5°	497.6	460.1	448.3	463.3	400.2	307.1	296.4	291.0	542.5	1954.9	3097.7
80°	360.6	351.0	349.9	357.4	308.2	225.8	225.8	226.8	292.1	1061.4	1746.2
82.5°	229.0	250.4	221.5	246.1	209.7	160.5	149.8	170.1	168.0	452.6	736.2
85°	95.2	130.5	122.0	129.5	99.5	87.7	94.2	101.7	97.4	174.4	286.8
87.5°	18.2	21.4	23.5	22.5	22.5	27.8	31.0	37.5	37.5	50.3	86.7
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: P633367  
 CATALOG NUMBER: GWS-SA2E-750-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1	1744.1
2.5°	1918.5	1949.5	1943.1	1957.0	1938.8	1945.3	1908.9	1899.3	1892.8	1895.0
5°	2115.4	2178.5	2190.3	2213.8	2197.8	2197.8	2133.6	2085.4	2068.3	2055.5
7.5°	2315.5	2406.4	2466.4	2472.8	2464.2	2447.1	2354.0	2267.3	2236.3	2209.6
10°	2493.1	2602.2	2669.7	2701.8	2685.7	2659.0	2543.4	2424.6	2387.2	2363.6
12.5°	2629.0	2725.3	2770.2	2791.6	2789.5	2779.9	2685.7	2557.3	2517.7	2481.3
15°	2716.7	2764.9	2747.8	2746.7	2761.7	2800.2	2771.3	2670.7	2624.7	2591.5
17.5°	2773.4	2727.4	2651.5	2616.2	2648.3	2739.2	2805.5	2748.8	2707.1	2670.7
20°	2793.8	2630.1	2519.9	2454.6	2492.0	2623.6	2787.4	2805.5	2770.2	2740.3
22.5°	2770.2	2511.3	2361.5	2284.5	2320.8	2478.1	2733.9	2851.6	2828.0	2799.1
25°	2712.5	2387.2	2207.4	2137.9	2177.5	2338.0	2638.6	2894.4	2895.4	2871.9
27.5°	2640.8	2272.7	2099.3	2034.1	2072.6	2222.4	2545.5	2931.8	2969.3	2960.7
30°	2568.0	2204.2	2048.0	2002.0	2030.9	2163.5	2450.3	2970.3	3045.2	3060.2
32.5°	2534.8	2237.4	2168.9	2189.2	2151.8	2197.8	2416.1	3024.9	3137.2	3161.9
35°	2578.7	2531.6	2705.0	2785.2	2652.5	2478.1	2459.9	3107.3	3266.7	3303.1
37.5°	2791.6	3161.9	3420.8	3703.3	3473.2	3089.1	2677.1	3247.5	3451.8	3509.6
40°	3254.9	3711.8	4179.4	4544.3	4196.5	3679.7	3090.2	3456.1	3706.5	3758.9
42.5°	3691.5	4227.6	4871.7	5343.6	4892.0	4162.3	3535.3	3807.1	4042.5	4071.4
45°	4119.5	4733.7	5709.5	6365.4	5752.3	4621.3	3990.0	4399.8	4577.5	4578.5
47.5°	4621.3	5304.0	6760.3	7694.4	6894.0	5129.6	4417.0	5338.2	5585.4	5464.5
50°	5221.6	5871.1	7842.0	9240.5	8286.1	5754.5	4959.5	6482.1	6819.1	6682.2
52.5°	6025.2	6496.0	9034.0	10748.2	9803.3	6466.0	5745.9	7992.9	8104.2	7848.5
55°	7156.2	7398.0	10564.1	12610.0	11497.2	7342.3	6896.2	9888.9	9577.6	8844.6
57.5°	9731.7	8825.4	12528.6	14733.9	13413.5	8934.5	9417.1	11979.7	10872.3	9636.4
60°	11886.6	10558.8	14346.6	16841.8	15056.0	10689.3	11783.9	12343.5	10824.1	9548.7
62.5°	11160.1	11000.7	15002.5	17074.0	15616.7	11552.8	11344.1	11426.5	10117.9	8965.5
65°	9791.6	10147.9	14417.2	15973.0	14995.0	10779.2	10261.3	10579.1	9310.1	8149.1
67.5°	8983.7	9245.9	13376.1	14210.7	13865.1	9942.4	9419.2	9189.2	8056.0	7069.5
70°	8157.7	8374.9	11914.5	11999.0	12102.8	8551.4	7701.9	7017.1	6004.8	5314.7
72.5°	7049.2	7060.9	10066.6	9576.5	9773.4	6691.8	6199.6	5246.2	4371.0	3745.0
75°	5913.9	5590.8	7968.3	6693.9	7088.8	5205.6	5147.8	3953.7	3296.7	2783.1
77.5°	4509.0	4131.3	5820.8	4402.0	4978.7	3466.8	3870.2	2681.4	2319.8	1852.2
80°	3027.0	2791.6	3216.4	2484.5	3257.1	2389.3	2524.1	1519.4	1317.2	1021.9
82.5°	1596.4	1363.2	1988.1	1473.4	1964.5	1312.9	947.0	469.7	400.2	323.1
85°	618.5	715.8	974.8	524.3	761.8	468.7	273.9	116.6	97.4	73.8
87.5°	119.8	185.1	101.7	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)