

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: P632430

Luminaire Tested: GWS-SA2C-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7268.2 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

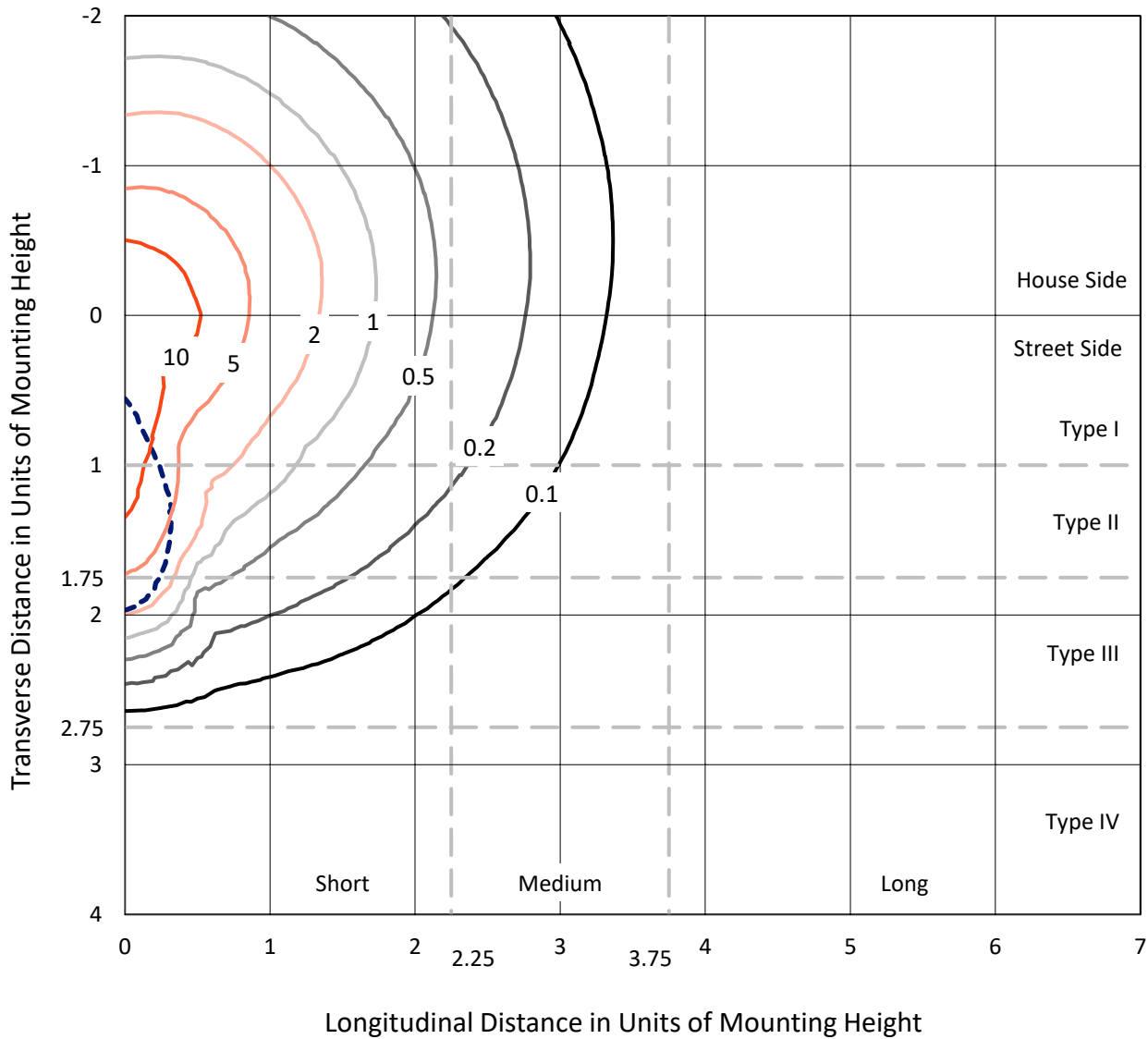
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632430
 CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

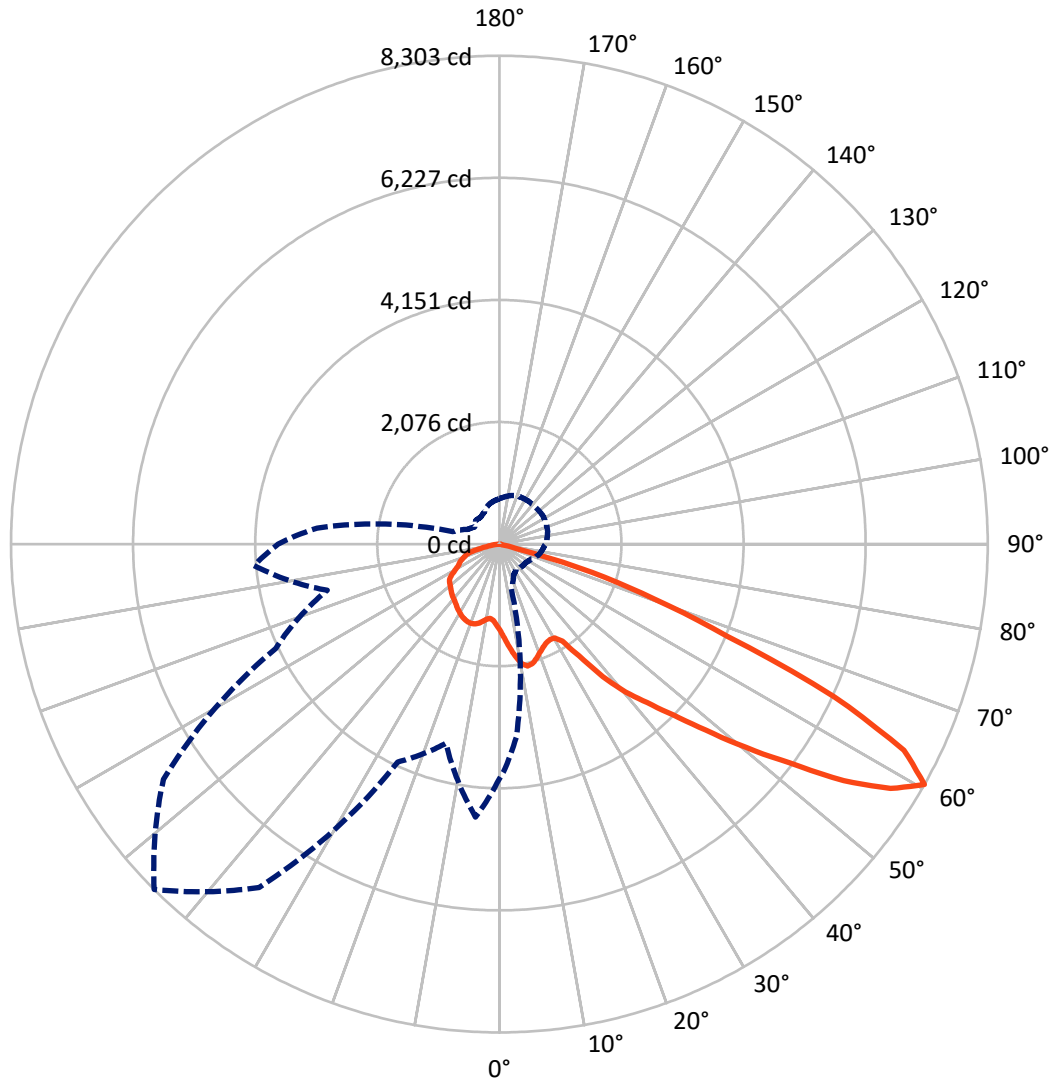
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type III - Short - N/A

REPORT NUMBER: P632430
CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P632430

CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2486.4	0.0	2486.4
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	4781.8	0.0	4781.8
	% Fixture	65.8	0.0	65.8
Total	Lumens	7268.2	0.0	7268.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	2.0
10°-20°	459.4	6.3
20°-30°	748.1	10.3
30°-40°	1051.0	14.5
40°-50°	1438.1	19.8
50°-60°	1845.1	25.4
60°-70°	1242.4	17.1
70°-80°	310.6	4.3
80°-90°	30.3	0.4
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°	7268.2	100.0
0°-180°	7268.2	100.0

Coefficient of Utilization



REPORT NUMBER: P632430

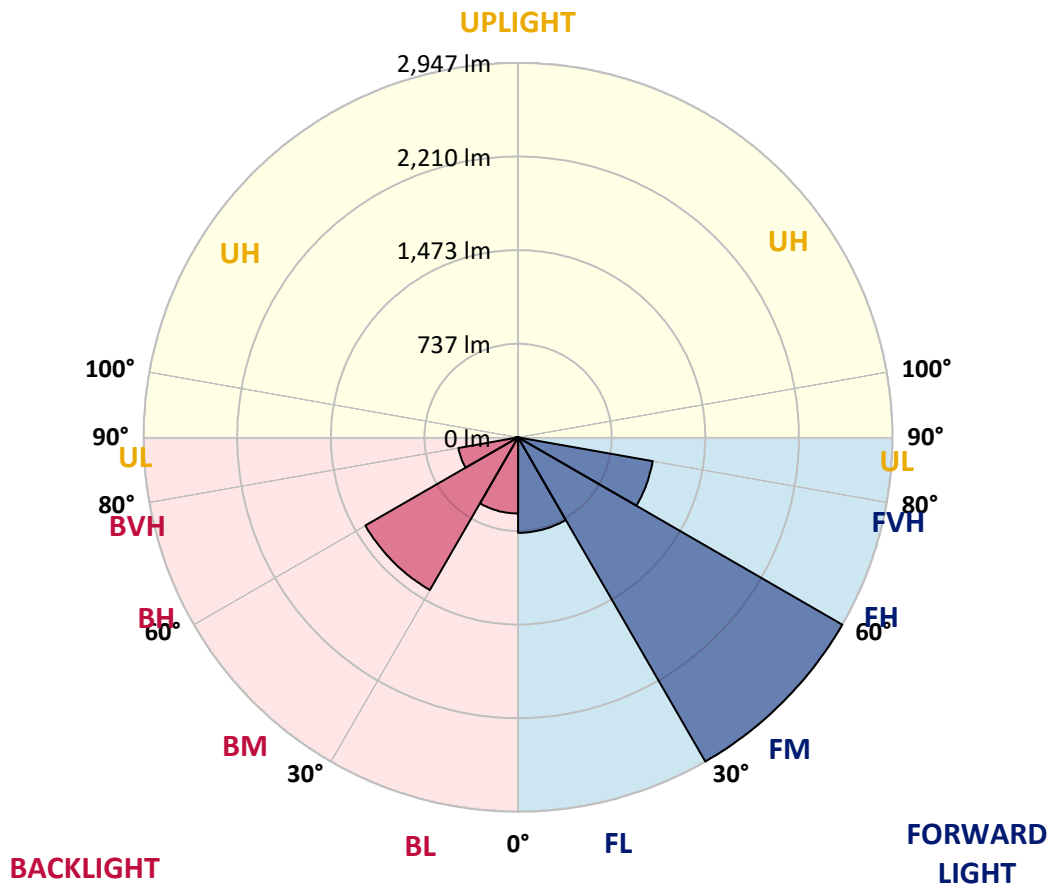
CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.4	10.3			
FM (30°-60°)	2946.6	40.5			
FH (60°-80°)	1076.0	14.8			G1/1800
FVH (80°-90°)	7.9	0.1			G0/10
BL (0°-30°)	599.4	8.2	B2/1000		
BM (30°-60°)	1387.6	19.1	B2/2500		
BH (60°-80°)	477.0	6.6	B1/500		G1/500
BVH (80°-90°)	22.4	0.3			G1/100
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: P632430

CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1550.9	1547.6	1544.2	1518.1	1511.4	1492.7	1479.3	1462.6	1438.5	1425.1	1413.7
5°	1648.0	1642.6	1624.6	1571.0	1536.2	1498.0	1466.6	1431.8	1395.0	1370.9	1352.1
7.5°	1739.7	1738.4	1707.6	1619.2	1563.0	1508.1	1465.2	1414.4	1361.5	1325.4	1301.3
10°	1824.7	1814.7	1777.8	1662.7	1589.1	1526.2	1480.0	1423.7	1362.2	1313.3	1281.2
12.5°	1899.7	1887.0	1836.1	1702.9	1611.8	1534.2	1484.0	1437.8	1397.0	1356.1	1319.3
15°	1961.3	1945.9	1894.3	1740.4	1631.9	1529.5	1459.2	1423.1	1437.1	1455.2	1414.4
17.5°	2018.8	2002.8	1939.8	1767.8	1637.9	1500.7	1398.3	1382.9	1453.9	1536.2	1517.5
20°	2067.0	2048.9	1976.0	1781.2	1627.2	1445.8	1319.3	1346.1	1439.8	1538.2	1568.3
22.5°	2119.2	2104.5	2016.8	1800.6	1613.8	1370.2	1253.1	1318.7	1415.7	1502.1	1547.6
25°	2202.9	2184.8	2080.4	1834.7	1607.2	1299.2	1205.5	1291.9	1382.2	1460.6	1496.0
27.5°	2324.1	2290.6	2167.4	1894.3	1614.5	1232.3	1175.4	1259.1	1343.4	1410.4	1439.1
30°	2455.9	2415.8	2263.8	1955.9	1625.2	1191.5	1159.3	1221.6	1283.9	1350.8	1382.2
32.5°	2611.9	2576.4	2366.9	2002.1	1602.5	1172.7	1147.3	1180.8	1230.3	1283.9	1310.0
35°	2798.0	2734.4	2479.3	2039.6	1528.8	1145.3	1136.6	1135.9	1162.0	1214.2	1243.7
37.5°	2998.1	2929.8	2617.9	2079.7	1414.4	1101.8	1111.2	1083.0	1107.1	1148.6	1182.1
40°	3162.1	3090.5	2757.8	2134.6	1271.1	1033.5	1054.9	1024.8	1039.5	1082.4	1119.9
42.5°	3322.7	3246.4	2888.3	2196.9	1132.6	966.6	977.3	965.9	970.6	1015.4	1067.6
45°	3533.6	3447.9	3049.0	2241.0	1008.1	913.7	903.6	884.2	909.0	967.2	1022.8
47.5°	3885.7	3783.3	3312.0	2269.8	917.7	883.6	837.4	826.0	856.8	921.7	979.3
50°	4297.4	4209.0	3732.4	2268.5	850.1	858.1	773.1	763.1	814.0	879.6	940.5
52.5°	4634.7	4545.0	4091.9	2201.6	794.5	803.9	735.6	707.5	777.1	838.1	899.0
55°	4907.1	4806.1	4257.2	1921.8	724.3	717.6	694.8	643.3	731.0	796.5	853.4
57.5°	4760.6	4640.1	4057.0	1461.2	652.0	609.8	624.5	586.4	668.0	750.4	805.3
60°	3991.4	3883.0	3296.0	777.8	573.6	509.4	540.2	546.2	599.1	694.8	751.0
62.5°	2741.7	2662.8	2233.7	471.9	452.5	409.0	457.2	500.7	540.2	621.2	670.0
65°	1341.4	1318.0	1117.2	302.6	316.6	330.7	378.9	431.7	490.0	560.9	612.5
67.5°	369.5	372.2	338.7	236.3	249.7	288.5	326.7	368.8	427.1	492.7	544.9
70°	162.7	165.3	170.7	182.1	207.5	243.0	282.5	326.0	379.5	434.4	484.6
72.5°	113.1	115.8	123.8	138.6	161.3	194.8	232.3	273.8	329.3	375.5	417.0
75°	69.6	71.6	79.0	91.7	107.1	132.5	169.4	207.5	256.4	298.5	335.4
77.5°	36.8	35.5	40.2	48.9	62.3	75.6	100.4	124.5	159.3	193.4	224.2
80°	20.1	19.4	22.1	26.8	30.8	41.5	58.2	74.3	94.4	113.8	130.5
82.5°	8.7	8.0	8.7	11.4	14.1	20.1	29.5	40.8	52.2	65.6	76.3
85°	0.0	0.0	0.0	0.7	3.3	5.4	10.0	14.7	21.4	29.5	36.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.0
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: P632430

CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1407.0	1390.3	1388.9	1375.6	1376.9	1377.6	1364.2	1358.8	1363.5	1368.9	1366.2
5°	1345.4	1328.0	1320.7	1307.9	1306.6	1300.6	1295.2	1288.5	1293.2	1297.9	1300.6
7.5°	1291.9	1280.5	1275.8	1272.5	1273.8	1271.1	1260.4	1254.4	1253.7	1255.7	1258.4
10°	1274.5	1265.1	1271.1	1280.5	1287.2	1291.9	1280.5	1270.5	1261.1	1257.1	1257.1
12.5°	1312.0	1299.9	1312.0	1322.0	1335.4	1338.7	1326.0	1315.3	1312.0	1316.0	1324.0
15°	1395.0	1366.9	1366.2	1372.2	1382.9	1388.3	1376.2	1370.9	1370.9	1396.3	1416.4
17.5°	1478.0	1431.8	1412.4	1409.0	1415.7	1417.7	1407.7	1403.0	1415.0	1464.6	1502.1
20°	1536.2	1480.0	1437.8	1429.8	1431.8	1432.5	1424.4	1421.1	1438.5	1498.7	1530.2
22.5°	1530.2	1488.7	1437.1	1427.1	1430.4	1429.1	1421.7	1420.4	1434.5	1486.7	1501.4
25°	1488.7	1456.5	1413.0	1406.3	1411.7	1411.0	1403.7	1400.3	1406.3	1441.2	1442.5
27.5°	1441.2	1413.0	1375.6	1373.5	1382.2	1386.9	1374.2	1364.2	1362.2	1385.6	1380.2
30°	1384.3	1363.5	1333.4	1334.7	1350.8	1353.5	1338.1	1323.3	1319.3	1332.0	1324.7
32.5°	1316.6	1310.0	1293.9	1297.2	1312.6	1318.0	1301.9	1286.5	1281.8	1285.9	1270.5
35°	1259.1	1256.4	1257.7	1263.8	1277.2	1281.2	1267.8	1255.7	1249.0	1235.0	1214.9
37.5°	1199.5	1206.9	1226.3	1237.7	1245.0	1243.7	1236.3	1227.6	1216.9	1190.8	1166.0
40°	1144.0	1162.7	1197.5	1210.2	1212.9	1213.6	1208.2	1200.8	1187.5	1152.7	1124.5
42.5°	1101.1	1121.9	1168.0	1187.5	1188.8	1190.1	1184.8	1178.8	1160.0	1113.8	1086.4
45°	1056.3	1083.7	1137.9	1161.4	1160.0	1159.3	1154.7	1152.0	1129.9	1076.3	1046.2
47.5°	1018.1	1050.2	1108.5	1128.6	1127.9	1127.2	1123.9	1123.9	1101.8	1043.5	1009.4
50°	980.6	1017.4	1078.4	1095.1	1096.4	1095.1	1093.7	1095.8	1069.7	1007.4	973.9
52.5°	939.8	981.3	1044.9	1060.3	1068.3	1071.7	1071.7	1067.0	1036.2	971.3	934.4
55°	894.9	934.4	1008.1	1028.8	1035.5	1041.5	1041.5	1032.2	1003.4	937.8	898.3
57.5°	839.4	874.2	932.4	953.2	969.2	973.3	973.3	957.9	934.4	871.5	839.4
60°	779.1	809.3	848.8	870.8	882.9	874.9	880.9	876.9	858.1	799.9	773.1
62.5°	698.8	729.6	773.1	795.9	801.2	793.2	801.2	800.6	775.1	722.9	690.8
65°	641.3	671.4	714.2	743.7	752.4	750.4	755.7	747.7	716.2	666.7	635.9
67.5°	573.0	605.1	654.6	687.4	705.5	707.5	714.9	698.2	666.0	611.8	573.0
70°	508.1	535.5	573.6	604.4	629.9	642.6	643.9	619.8	579.7	534.8	506.7
72.5°	439.8	467.9	514.1	547.5	579.7	594.4	594.4	564.9	521.4	471.9	441.8
75°	356.8	382.9	425.0	461.2	498.0	516.8	516.1	490.6	442.5	395.6	364.1
77.5°	241.6	261.1	287.8	315.3	320.6	335.4	342.7	310.6	283.8	258.4	230.3
80°	140.6	152.6	167.3	182.7	186.1	190.8	178.7	166.7	152.6	135.9	123.2
82.5°	82.3	90.4	97.7	109.8	111.8	113.1	102.4	97.1	85.7	75.6	67.6
85°	40.2	42.8	49.5	55.6	52.9	51.5	46.9	41.5	36.8	32.8	28.8
87.5°	8.0	8.0	12.0	11.4	9.4	8.0	4.7	6.0	1.3	1.3	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: P632430

CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1374.9	1386.3	1400.3	1419.1	1440.5	1463.2	1485.3	1502.1	1518.8	1543.6	1539.5
5°	1304.6	1324.0	1346.1	1374.9	1409.7	1449.2	1493.4	1537.5	1585.1	1625.2	1642.6
7.5°	1263.8	1285.2	1311.3	1348.8	1393.6	1441.8	1504.1	1575.7	1652.7	1705.6	1738.4
10°	1263.8	1291.2	1325.4	1361.5	1401.0	1450.5	1527.5	1617.2	1716.3	1785.9	1824.0
12.5°	1336.7	1364.2	1371.5	1370.2	1392.3	1447.2	1546.2	1660.7	1779.2	1852.8	1899.7
15°	1450.5	1459.9	1404.3	1353.5	1356.8	1423.1	1554.9	1695.5	1833.4	1921.8	1972.6
17.5°	1526.8	1502.1	1403.0	1314.0	1295.2	1382.2	1554.9	1729.0	1891.0	1990.7	2038.2
20°	1532.9	1471.3	1368.9	1275.8	1227.6	1328.0	1544.2	1754.4	1946.5	2057.0	2107.8
22.5°	1480.0	1419.1	1332.7	1243.0	1172.1	1262.4	1526.8	1773.8	1994.1	2119.2	2182.1
25°	1419.7	1368.9	1295.9	1209.6	1133.9	1196.2	1510.8	1806.6	2060.3	2203.6	2267.2
27.5°	1360.8	1318.0	1251.7	1181.4	1112.5	1138.6	1500.7	1854.8	2139.3	2323.4	2378.3
30°	1303.3	1264.4	1204.2	1154.7	1101.1	1101.1	1492.0	1910.4	2243.7	2457.9	2512.8
32.5°	1245.0	1208.2	1159.3	1128.6	1094.4	1086.4	1467.9	1962.6	2351.5	2605.2	2661.4
35°	1190.8	1154.0	1116.5	1103.8	1091.1	1075.0	1408.4	2003.4	2456.6	2777.2	2825.4
37.5°	1139.9	1104.5	1076.3	1073.0	1074.3	1044.2	1314.6	2037.6	2587.8	2953.3	2978.7
40°	1095.8	1056.3	1034.2	1033.5	1040.2	994.7	1196.2	2086.4	2737.7	3102.5	3091.8
42.5°	1056.3	1014.8	988.0	994.0	990.0	945.1	1080.4	2131.3	2868.2	3242.4	3221.0
45°	1017.4	977.3	939.8	948.5	943.8	914.4	982.0	2164.1	3012.8	3410.4	3413.1
47.5°	980.0	940.5	903.0	892.3	891.6	905.0	906.3	2174.8	3248.4	3680.9	3619.9
50°	945.1	905.7	866.8	830.7	844.7	886.2	850.1	2166.7	3601.2	3979.4	3809.4
52.5°	909.0	871.5	828.7	763.8	800.6	841.4	799.9	2138.0	3816.7	4243.1	4141.4
55°	867.5	832.0	773.8	694.8	739.7	748.4	748.4	1859.5	3908.4	4504.2	4567.1
57.5°	811.9	765.1	672.7	609.1	649.3	615.8	693.5	1301.3	3757.2	4421.9	4666.2
60°	749.0	698.8	601.1	555.6	567.6	508.7	591.1	816.0	3113.9	3762.5	4185.6
62.5°	666.0	619.8	538.8	503.4	478.6	415.0	475.9	516.1	2134.6	2793.9	3082.4
65°	610.5	559.6	487.3	440.4	389.6	334.0	315.9	338.7	1148.0	1563.6	1758.4
67.5°	544.9	494.7	426.4	367.5	326.7	286.5	255.0	247.0	393.6	520.8	563.6
70°	482.6	434.4	377.5	322.6	281.8	242.3	211.5	189.4	182.1	180.7	178.1
72.5°	419.0	374.2	326.7	275.8	230.9	194.8	167.3	141.9	131.2	127.8	124.5
75°	343.4	307.9	260.4	205.5	169.4	135.9	114.5	97.7	88.4	85.0	81.0
77.5°	220.9	204.8	163.3	132.5	102.4	81.0	69.6	58.9	52.9	51.5	48.2
80°	117.8	109.8	90.4	76.3	60.9	49.5	43.5	37.5	34.1	32.8	31.5
82.5°	65.6	59.6	50.2	44.2	35.5	30.1	26.8	24.1	22.1	21.4	20.8
85°	29.5	25.4	20.1	18.7	16.7	15.4	14.7	13.4	12.7	12.0	11.4
87.5°	1.3	2.7	3.3	2.7	2.7	4.0	4.7	4.7	4.0	4.0	3.3
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: P632430

CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1564.3	1584.4	1586.4	1593.1	1584.4	1582.4	1568.3	1560.3	1552.9	1550.9
5°	1686.1	1726.3	1742.4	1753.7	1743.0	1737.7	1706.9	1674.8	1656.7	1648.0
7.5°	1811.3	1871.6	1903.0	1917.1	1918.4	1894.3	1841.4	1781.2	1751.1	1739.7
10°	1923.1	1997.4	2038.9	2065.7	2056.3	2026.9	1954.6	1872.9	1834.7	1824.7
12.5°	2006.1	2077.1	2109.2	2126.6	2125.9	2109.9	2041.6	1953.2	1909.7	1899.7
15°	2059.6	2101.8	2103.8	2107.8	2119.2	2140.6	2105.2	2023.5	1975.3	1961.3
17.5°	2101.8	2085.1	2053.6	2042.9	2068.4	2127.9	2149.3	2083.1	2030.9	2018.8
20°	2128.6	2044.3	1988.7	1967.9	1997.4	2094.5	2176.1	2136.6	2082.4	2067.0
22.5°	2149.3	2006.1	1916.4	1902.3	1933.1	2058.3	2203.6	2200.2	2140.6	2119.2
25°	2182.1	1980.7	1865.5	1855.5	1884.3	2040.9	2240.4	2286.6	2233.7	2202.9
27.5°	2233.7	1978.0	1839.4	1836.1	1875.6	2056.3	2293.3	2413.1	2346.8	2324.1
30°	2305.3	2003.4	1845.5	1852.1	1900.3	2111.9	2375.6	2557.7	2491.4	2455.9
32.5°	2408.4	2071.7	1937.2	1965.9	2001.4	2200.9	2496.1	2714.3	2664.1	2611.9
35°	2544.3	2259.1	2208.2	2330.7	2297.3	2395.7	2641.3	2904.4	2843.5	2798.0
37.5°	2725.7	2643.3	2690.2	2858.9	2777.9	2763.8	2818.7	3077.1	3043.6	2998.1
40°	2980.0	2996.8	3083.1	3304.7	3187.5	3097.2	3036.3	3206.9	3218.3	3162.1
42.5°	3148.7	3225.7	3433.9	3685.5	3524.2	3308.0	3218.3	3373.0	3373.6	3322.7
45°	3211.6	3413.1	3848.2	4138.0	3868.3	3428.5	3318.7	3598.5	3591.8	3533.6
47.5°	3188.9	3571.1	4278.6	4721.7	4310.1	3514.2	3304.7	3919.8	3974.0	3885.7
50°	3141.3	3729.7	4781.3	5436.6	4852.3	3605.2	3283.3	4275.9	4365.6	4297.4
52.5°	3189.5	3906.4	5375.7	6175.6	5532.3	3750.5	3427.8	4733.1	4717.0	4634.7
55°	3342.2	4115.3	6098.0	7104.0	6279.4	3996.1	3799.3	5168.9	5005.5	4907.1
57.5°	3334.8	4264.6	6731.2	7838.3	6929.3	4197.6	3928.5	5215.1	4885.1	4760.6
60°	3026.9	4196.3	6972.2	8302.9	7125.4	4086.5	3503.5	4658.1	4122.0	3991.4
62.5°	2259.1	3723.7	6504.9	7721.2	6570.5	3529.6	2634.6	3343.5	2962.0	2741.7
65°	1445.2	2913.1	5468.7	6255.3	5415.9	2699.6	1569.0	1792.6	1404.3	1341.4
67.5°	615.2	2056.3	4251.2	4180.9	4051.7	1749.1	605.8	504.7	376.2	369.5
70°	203.5	1399.0	2620.6	2788.6	2419.8	1204.9	200.1	169.4	168.7	162.7
72.5°	133.2	751.0	1475.3	1642.6	1557.0	693.5	121.2	113.1	115.8	113.1
75°	79.7	163.3	248.3	322.6	248.3	116.5	73.0	71.6	73.0	69.6
77.5°	46.9	45.5	44.2	44.2	43.5	40.2	36.8	35.5	36.1	36.8
80°	30.1	28.8	27.4	26.8	23.4	22.1	20.8	19.4	19.4	20.1
82.5°	19.4	18.1	16.7	14.7	12.0	10.0	9.4	8.0	8.0	8.7
85°	10.0	8.0	6.0	4.7	2.7	1.3	0.0	0.0	0.0	0.0
87.5°	2.0	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

(END OF REPORT)