

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: P632265

Luminaire Tested: GWS-SA2C-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632265
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7105.4 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

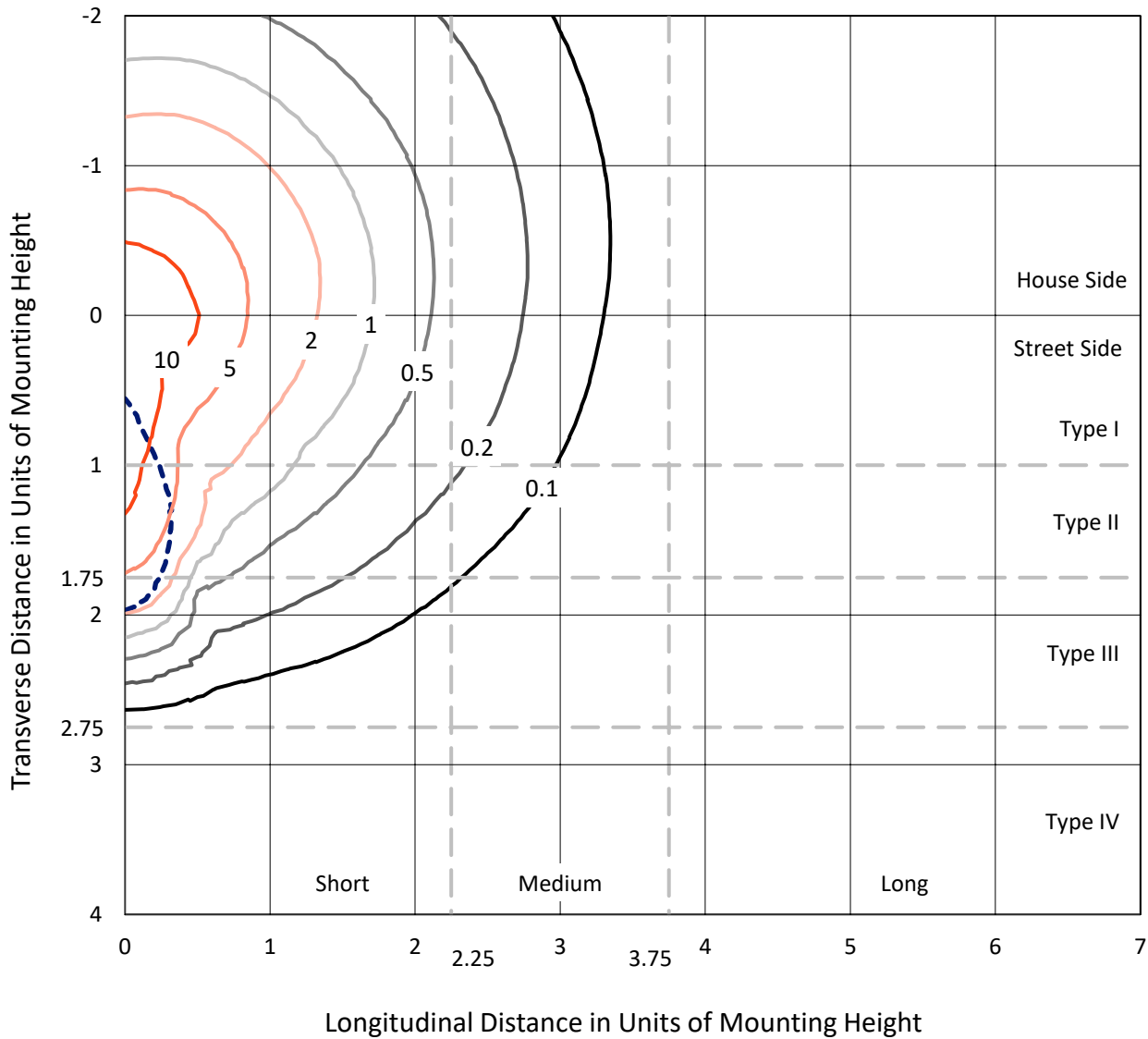
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632265
 CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

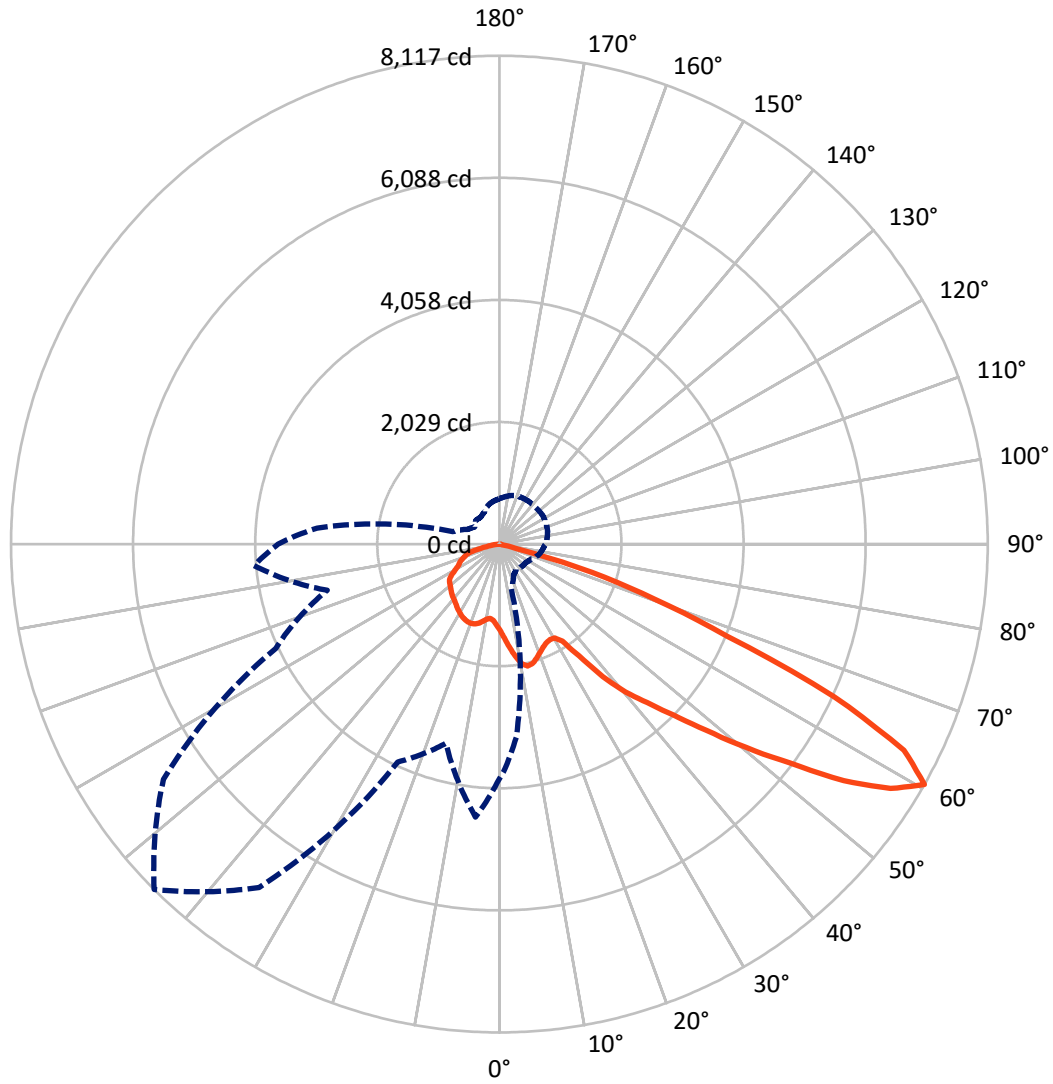
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 fc
 Type III - Short - N/A

REPORT NUMBER: P632265
CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632265
 CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

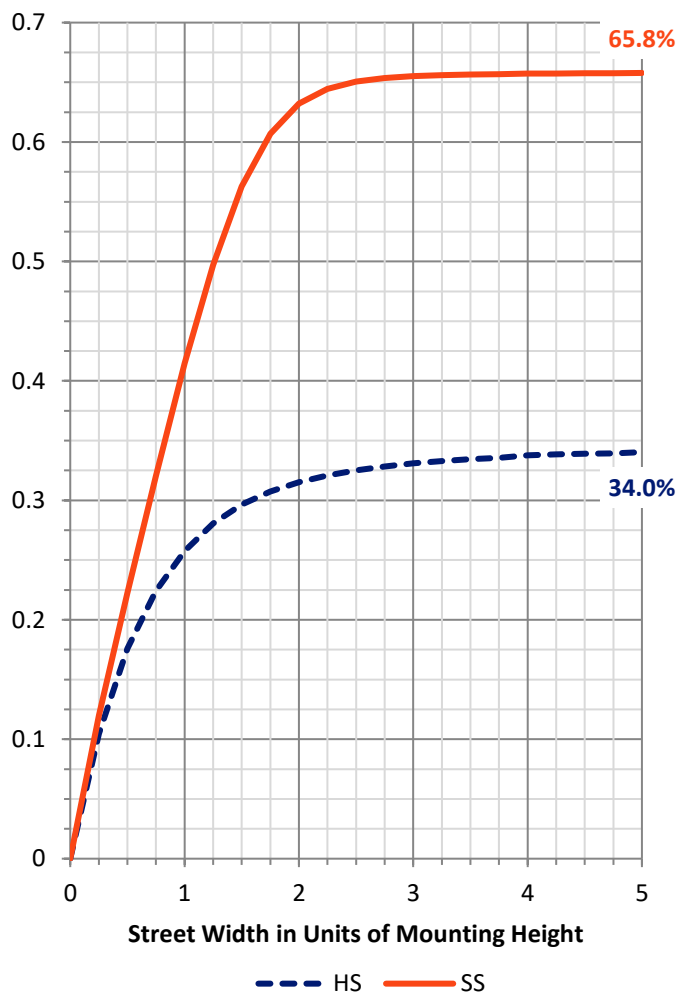
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2430.7	0.0	2430.7
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	4674.7	0.0	4674.7
	% Fixture	65.8	0.0	65.8
Total	Lumens	7105.4	0.0	7105.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	2.0
10°-20°	449.1	6.3
20°-30°	731.4	10.3
30°-40°	1027.4	14.5
40°-50°	1405.9	19.8
50°-60°	1803.7	25.4
60°-70°	1214.6	17.1
70°-80°	303.6	4.3
80°-90°	29.6	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°	7105.4	100.0
0°-180°	7105.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632265

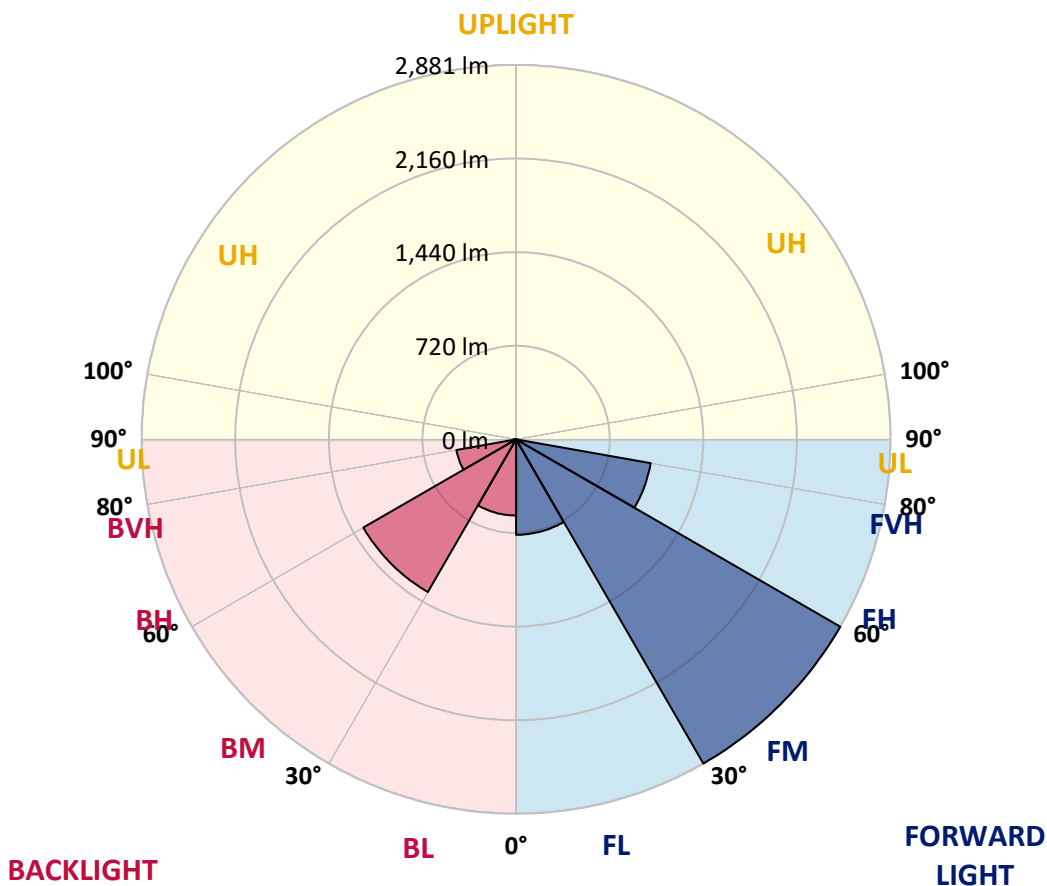
CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.5	10.3			
FM (30°-60°)	2880.6	40.5			
FH (60°-80°)	1051.9	14.8			G1/1800
FVH (80°-90°)	7.7	0.1			G0/10
BL (0°-30°)	585.9	8.2	B2/1000		
BM (30°-60°)	1356.5	19.1	B2/2500		
BH (60°-80°)	466.3	6.6	B1/500		G1/500
BVH (80°-90°)	21.9	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: P632265

CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1
2.5°	1516.2	1512.9	1509.6	1484.1	1477.6	1459.3	1446.2	1429.8	1406.3	1393.2	1382.0
5°	1611.1	1605.8	1588.2	1535.8	1501.8	1464.5	1433.7	1399.7	1363.7	1340.2	1321.8
7.5°	1700.7	1699.4	1669.3	1582.9	1528.0	1474.3	1432.4	1382.7	1331.0	1295.7	1272.1
10°	1783.8	1774.0	1738.0	1625.5	1553.5	1492.0	1446.8	1391.9	1331.7	1283.9	1252.5
12.5°	1857.1	1844.7	1795.0	1664.7	1575.7	1499.8	1450.8	1405.6	1365.7	1325.8	1289.8
15°	1917.3	1902.3	1851.9	1701.4	1595.4	1495.2	1426.5	1391.2	1404.9	1422.6	1382.7
17.5°	1973.6	1957.9	1896.4	1728.2	1601.3	1467.1	1367.0	1351.9	1421.3	1501.8	1483.5
20°	2020.7	2003.0	1931.7	1741.3	1590.8	1413.5	1289.8	1316.0	1407.6	1503.8	1533.2
22.5°	2071.8	2057.4	1971.6	1760.3	1577.7	1339.5	1225.0	1289.1	1384.0	1468.4	1512.9
25°	2153.6	2135.9	2033.8	1793.6	1571.2	1270.1	1178.5	1262.9	1351.3	1427.8	1462.5
27.5°	2272.0	2239.3	2118.9	1851.9	1578.4	1204.7	1149.1	1230.9	1313.3	1378.8	1406.9
30°	2400.9	2361.6	2213.1	1912.1	1588.8	1164.8	1133.4	1194.2	1255.1	1320.5	1351.3
32.5°	2553.4	2518.7	2313.9	1957.2	1566.6	1146.5	1121.6	1154.3	1202.7	1255.1	1280.6
35°	2735.3	2673.1	2423.8	1993.9	1494.6	1119.6	1111.1	1110.5	1136.0	1187.0	1215.8
37.5°	2931.0	2864.2	2559.3	2033.1	1382.7	1077.1	1086.3	1058.8	1082.3	1122.9	1155.6
40°	3091.3	3021.3	2696.0	2086.8	1242.7	1010.4	1031.3	1001.8	1016.2	1058.1	1094.8
42.5°	3248.3	3173.7	2823.6	2147.7	1107.2	944.9	955.4	944.3	948.8	992.7	1043.7
45°	3454.5	3370.7	2980.7	2190.9	985.5	893.2	883.4	864.4	888.6	945.6	999.9
47.5°	3798.7	3698.5	3237.9	2219.0	897.1	863.8	818.6	807.5	837.6	901.1	957.4
50°	4201.1	4114.7	3648.8	2217.7	831.1	838.9	755.8	746.0	795.7	859.9	919.4
52.5°	4530.9	4443.2	4000.2	2152.2	776.7	785.9	719.2	691.7	759.7	819.3	878.8
55°	4797.2	4698.4	4161.8	1878.7	708.0	701.5	679.2	628.9	714.6	778.7	834.3
57.5°	4653.9	4536.1	3966.2	1428.5	637.4	596.1	610.5	573.2	653.1	733.6	787.2
60°	3902.0	3796.0	3222.1	760.4	560.8	498.0	528.1	534.0	585.7	679.2	734.2
62.5°	2680.3	2603.1	2183.7	461.3	442.4	399.8	446.9	489.5	528.1	607.3	655.0
65°	1311.4	1288.5	1092.2	295.8	309.5	323.3	370.4	422.1	479.0	548.4	598.8
67.5°	361.2	363.8	331.1	231.0	244.1	282.0	319.3	360.6	417.5	481.6	532.7
70°	159.0	161.6	166.9	178.0	202.9	237.5	276.1	318.7	371.0	424.7	473.8
72.5°	110.6	113.2	121.1	135.5	157.7	190.4	227.1	267.6	322.0	367.1	407.7
75°	68.1	70.0	77.2	89.6	104.7	129.6	165.6	202.9	250.6	291.9	327.8
77.5°	36.0	34.7	39.3	47.8	60.9	73.9	98.2	121.7	155.7	189.1	219.2
80°	19.6	19.0	21.6	26.2	30.1	40.6	56.9	72.6	92.3	111.2	127.6
82.5°	8.5	7.9	8.5	11.1	13.7	19.6	28.8	39.9	51.0	64.1	74.6
85°	0.0	0.0	0.0	0.7	3.3	5.2	9.8	14.4	20.9	28.8	35.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.9
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: P632265

CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1
2.5°	1375.5	1359.1	1357.8	1344.7	1346.1	1346.7	1333.6	1328.4	1333.0	1338.2	1335.6
5°	1315.3	1298.3	1291.1	1278.7	1277.3	1271.5	1266.2	1259.7	1264.3	1268.8	1271.5
7.5°	1262.9	1251.8	1247.2	1244.0	1245.3	1242.7	1232.2	1226.3	1225.6	1227.6	1230.2
10°	1245.9	1236.8	1242.7	1251.8	1258.4	1262.9	1251.8	1242.0	1232.8	1228.9	1228.9
12.5°	1282.6	1270.8	1282.6	1292.4	1305.5	1308.8	1296.3	1285.8	1282.6	1286.5	1294.4
15°	1363.7	1336.2	1335.6	1341.5	1351.9	1357.2	1345.4	1340.2	1340.2	1365.0	1384.7
17.5°	1444.9	1399.7	1380.7	1377.5	1384.0	1386.0	1376.2	1371.6	1383.4	1431.8	1468.4
20°	1501.8	1446.8	1405.6	1397.7	1399.7	1400.4	1392.5	1389.2	1406.3	1465.1	1495.9
22.5°	1495.9	1455.3	1404.9	1395.1	1398.4	1397.1	1389.9	1388.6	1402.3	1453.4	1467.8
25°	1455.3	1423.9	1381.4	1374.8	1380.1	1379.4	1372.2	1369.0	1374.8	1408.9	1410.2
27.5°	1408.9	1381.4	1344.7	1342.8	1351.3	1355.9	1343.4	1333.6	1331.7	1354.6	1349.3
30°	1353.2	1333.0	1303.5	1304.8	1320.5	1323.1	1308.1	1293.7	1289.8	1302.2	1295.0
32.5°	1287.2	1280.6	1264.9	1268.2	1283.2	1288.5	1272.8	1257.7	1253.1	1257.1	1242.0
35°	1230.9	1228.3	1229.6	1235.5	1248.5	1252.5	1239.4	1227.6	1221.1	1207.3	1187.7
37.5°	1172.6	1179.8	1198.8	1209.9	1217.1	1215.8	1208.6	1200.1	1189.7	1164.1	1139.9
40°	1118.3	1136.7	1170.7	1183.1	1185.7	1186.4	1181.1	1174.0	1160.9	1126.8	1099.4
42.5°	1076.4	1096.7	1141.9	1160.9	1162.2	1163.5	1158.2	1152.4	1134.0	1088.9	1062.1
45°	1032.6	1059.4	1112.4	1135.3	1134.0	1133.4	1128.8	1126.2	1104.6	1052.2	1022.8
47.5°	995.3	1026.7	1083.6	1103.3	1102.6	1102.0	1098.7	1098.7	1077.1	1020.2	986.8
50°	958.7	994.7	1054.2	1070.6	1071.9	1070.6	1069.3	1071.2	1045.7	984.8	952.1
52.5°	918.7	959.3	1021.5	1036.5	1044.4	1047.7	1047.7	1043.1	1013.0	949.5	913.5
55°	874.9	913.5	985.5	1005.8	1012.3	1018.2	1018.2	1009.0	980.9	916.8	878.2
57.5°	820.6	854.6	911.5	931.8	947.5	951.5	951.5	936.4	913.5	852.0	820.6
60°	761.7	791.1	829.7	851.3	863.1	855.3	861.2	857.2	838.9	782.0	755.8
62.5°	683.2	713.3	755.8	778.1	783.3	775.4	783.3	782.6	757.8	706.7	675.3
65°	626.9	656.3	698.2	727.0	735.5	733.6	738.8	730.9	700.2	651.8	621.7
67.5°	560.1	591.6	640.0	672.0	689.7	691.7	698.9	682.5	651.1	598.1	560.1
70°	496.7	523.5	560.8	590.9	615.8	628.2	629.5	606.0	566.7	522.8	495.4
72.5°	429.9	457.4	502.6	535.3	566.7	581.1	581.1	552.3	509.8	461.3	431.9
75°	348.8	374.3	415.5	450.9	486.9	505.2	504.5	479.7	432.5	386.7	356.0
77.5°	236.2	255.2	281.4	308.2	313.4	327.8	335.0	303.6	277.5	252.6	225.1
80°	137.4	149.2	163.6	178.6	181.9	186.5	174.7	162.9	149.2	132.8	120.4
82.5°	80.5	88.3	95.5	107.3	109.3	110.6	100.1	94.9	83.8	73.9	66.1
85°	39.3	41.9	48.4	54.3	51.7	50.4	45.8	40.6	36.0	32.1	28.1
87.5°	7.9	7.9	11.8	11.1	9.2	7.9	4.6	5.9	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: P632265

CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1
2.5°	1344.1	1355.2	1369.0	1387.3	1408.2	1430.5	1452.1	1468.4	1484.8	1509.0	1505.1
5°	1275.4	1294.4	1316.0	1344.1	1378.1	1416.7	1459.9	1503.1	1549.6	1588.8	1605.8
7.5°	1235.5	1256.4	1281.9	1318.6	1362.4	1409.5	1470.4	1540.4	1615.7	1667.4	1699.4
10°	1235.5	1262.3	1295.7	1331.0	1369.6	1418.0	1493.3	1581.0	1677.8	1745.9	1783.2
12.5°	1306.8	1333.6	1340.8	1339.5	1361.1	1414.8	1511.6	1623.5	1739.3	1811.3	1857.1
15°	1418.0	1427.2	1372.9	1323.1	1326.4	1391.2	1520.1	1657.5	1792.3	1878.7	1928.4
17.5°	1492.6	1468.4	1371.6	1284.5	1266.2	1351.3	1520.1	1690.3	1848.6	1946.1	1992.6
20°	1498.5	1438.3	1338.2	1247.2	1200.1	1298.3	1509.6	1715.1	1902.9	2010.9	2060.6
22.5°	1446.8	1387.3	1302.9	1215.2	1145.8	1234.2	1492.6	1734.1	1949.4	2071.8	2133.3
25°	1387.9	1338.2	1266.9	1182.5	1108.5	1169.4	1476.9	1766.2	2014.2	2154.2	2216.4
27.5°	1330.3	1288.5	1223.7	1155.0	1087.6	1113.1	1467.1	1813.3	2091.4	2271.3	2325.0
30°	1274.1	1236.1	1177.2	1128.8	1076.4	1076.4	1458.6	1867.6	2193.5	2402.9	2456.5
32.5°	1217.1	1181.1	1133.4	1103.3	1069.9	1062.1	1435.0	1918.6	2298.8	2546.8	2601.8
35°	1164.1	1128.1	1091.5	1079.1	1066.6	1050.9	1376.8	1958.5	2401.6	2715.0	2762.1
37.5°	1114.4	1079.7	1052.2	1049.0	1050.3	1020.8	1285.2	1991.9	2529.8	2887.1	2912.0
40°	1071.2	1032.6	1011.0	1010.4	1016.9	972.4	1169.4	2039.7	2676.4	3033.0	3022.6
42.5°	1032.6	992.0	965.9	971.7	967.8	924.0	1056.2	2083.5	2804.0	3169.8	3148.9
45°	994.7	955.4	918.7	927.3	922.7	893.9	960.0	2115.6	2945.3	3334.0	3336.7
47.5°	958.0	919.4	882.8	872.3	871.6	884.7	886.0	2126.1	3175.7	3598.4	3538.9
50°	924.0	885.4	847.4	812.1	825.8	866.4	831.1	2118.2	3520.5	3890.3	3724.1
52.5°	888.6	852.0	810.1	746.6	782.6	822.6	782.0	2090.1	3731.3	4148.1	4048.6
55°	848.1	813.4	756.5	679.2	723.1	731.6	731.6	1817.9	3820.9	4403.3	4464.8
57.5°	793.8	748.0	657.6	595.5	634.7	602.0	677.9	1272.1	3673.0	4322.8	4561.7
60°	732.2	683.2	587.6	543.1	554.9	497.3	577.8	797.7	3044.2	3678.2	4091.8
62.5°	651.1	606.0	526.8	492.1	467.9	405.7	465.3	504.5	2086.8	2731.4	3013.4
65°	596.8	547.1	476.4	430.6	380.8	326.5	308.9	331.1	1122.3	1528.6	1719.0
67.5°	532.7	483.6	416.8	359.3	319.3	280.1	249.3	241.5	384.8	509.1	551.0
70°	471.8	424.7	369.1	315.4	275.5	236.9	206.8	185.2	178.0	176.7	174.1
72.5°	409.6	365.8	319.3	269.6	225.8	190.4	163.6	138.7	128.3	125.0	121.7
75°	335.7	301.0	254.6	200.9	165.6	132.8	111.9	95.5	86.4	83.1	79.2
77.5°	215.9	200.2	159.7	129.6	100.1	79.2	68.1	57.6	51.7	50.4	47.1
80°	115.2	107.3	88.3	74.6	59.5	48.4	42.5	36.6	33.4	32.1	30.8
82.5°	64.1	58.2	49.1	43.2	34.7	29.4	26.2	23.6	21.6	20.9	20.3
85°	28.8	24.9	19.6	18.3	16.4	15.1	14.4	13.1	12.4	11.8	11.1
87.5°	1.3	2.6	3.3	2.6	2.6	3.9	4.6	4.6	3.9	3.9	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: P632265

CATALOG NUMBER: GWS-SA2C-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1	1433.1
2.5°	1529.3	1548.9	1550.9	1557.4	1548.9	1546.9	1533.2	1525.4	1518.2	1516.2
5°	1648.4	1687.6	1703.3	1714.5	1704.0	1698.8	1668.7	1637.2	1619.6	1611.1
7.5°	1770.7	1829.6	1860.4	1874.1	1875.4	1851.9	1800.2	1741.3	1711.8	1700.7
10°	1880.0	1952.7	1993.2	2019.4	2010.2	1981.5	1910.8	1830.9	1793.6	1783.8
12.5°	1961.2	2030.5	2061.9	2079.0	2078.3	2062.6	1995.8	1909.5	1866.9	1857.1
15°	2013.5	2054.7	2056.7	2060.6	2071.8	2092.7	2058.0	1978.2	1931.1	1917.3
17.5°	2054.7	2038.4	2007.6	1997.2	2022.0	2080.3	2101.2	2036.4	1985.4	1973.6
20°	2080.9	1998.5	1944.2	1923.9	1952.7	2047.5	2127.4	2088.8	2035.8	2020.7
22.5°	2101.2	1961.2	1873.5	1859.7	1889.8	2012.2	2154.2	2150.9	2092.7	2071.8
25°	2133.3	1936.3	1823.7	1813.9	1842.1	1995.2	2190.2	2235.3	2183.7	2153.6
27.5°	2183.7	1933.7	1798.2	1795.0	1833.6	2010.2	2241.9	2359.0	2294.2	2272.0
30°	2253.7	1958.5	1804.1	1810.7	1857.8	2064.6	2322.4	2500.4	2435.6	2400.9
32.5°	2354.4	2025.3	1893.8	1921.9	1956.6	2151.6	2440.2	2653.5	2604.4	2553.4
35°	2487.3	2208.5	2158.8	2278.5	2245.8	2342.0	2582.2	2839.3	2779.8	2735.3
37.5°	2664.6	2584.1	2629.9	2794.8	2715.7	2701.9	2755.6	3008.2	2975.4	2931.0
40°	2913.3	2929.6	3014.1	3230.7	3116.1	3027.8	2968.2	3135.1	3146.2	3091.3
42.5°	3078.2	3153.4	3356.9	3603.0	3445.3	3233.9	3146.2	3297.4	3298.1	3248.3
45°	3139.7	3336.7	3762.0	4045.4	3781.6	3351.7	3244.4	3517.9	3511.4	3454.5
47.5°	3117.4	3491.1	4182.8	4616.0	4213.5	3435.5	3230.7	3832.0	3885.0	3798.7
50°	3071.0	3646.2	4674.2	5314.8	4743.6	3524.5	3209.7	4180.2	4267.8	4201.1
52.5°	3118.1	3818.9	5255.3	6037.3	5408.4	3666.5	3351.1	4627.1	4611.4	4530.9
55°	3267.3	4023.1	5961.4	6944.9	6138.7	3906.6	3714.2	5053.1	4893.4	4797.2
57.5°	3260.1	4169.0	6580.4	7662.7	6774.1	4103.6	3840.5	5098.2	4775.6	4653.9
60°	2959.1	4102.3	6816.0	8116.9	6965.8	3995.0	3425.0	4553.8	4029.6	3902.0
62.5°	2208.5	3640.3	6359.2	7548.2	6423.4	3450.5	2575.6	3268.6	2895.6	2680.3
65°	1412.8	2847.8	5346.3	6115.1	5294.6	2639.1	1533.9	1752.4	1372.9	1311.4
67.5°	601.4	2010.2	4155.9	4087.2	3960.9	1709.9	592.2	493.4	367.8	361.2
70°	198.9	1367.6	2561.9	2726.1	2365.6	1177.9	195.7	165.6	164.9	159.0
72.5°	130.2	734.2	1442.2	1605.8	1522.1	677.9	118.4	110.6	113.2	110.6
75°	77.9	159.7	242.8	315.4	242.8	113.9	71.3	70.0	71.3	68.1
77.5°	45.8	44.5	43.2	43.2	42.5	39.3	36.0	34.7	35.3	36.0
80°	29.4	28.1	26.8	26.2	22.9	21.6	20.3	19.0	19.0	19.6
82.5°	19.0	17.7	16.4	14.4	11.8	9.8	9.2	7.9	7.9	8.5
85°	9.8	7.9	5.9	4.6	2.6	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)