

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: P633752

Luminaire Tested: GWS-SA2F-735-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633752
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-SA2F-735-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14996 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

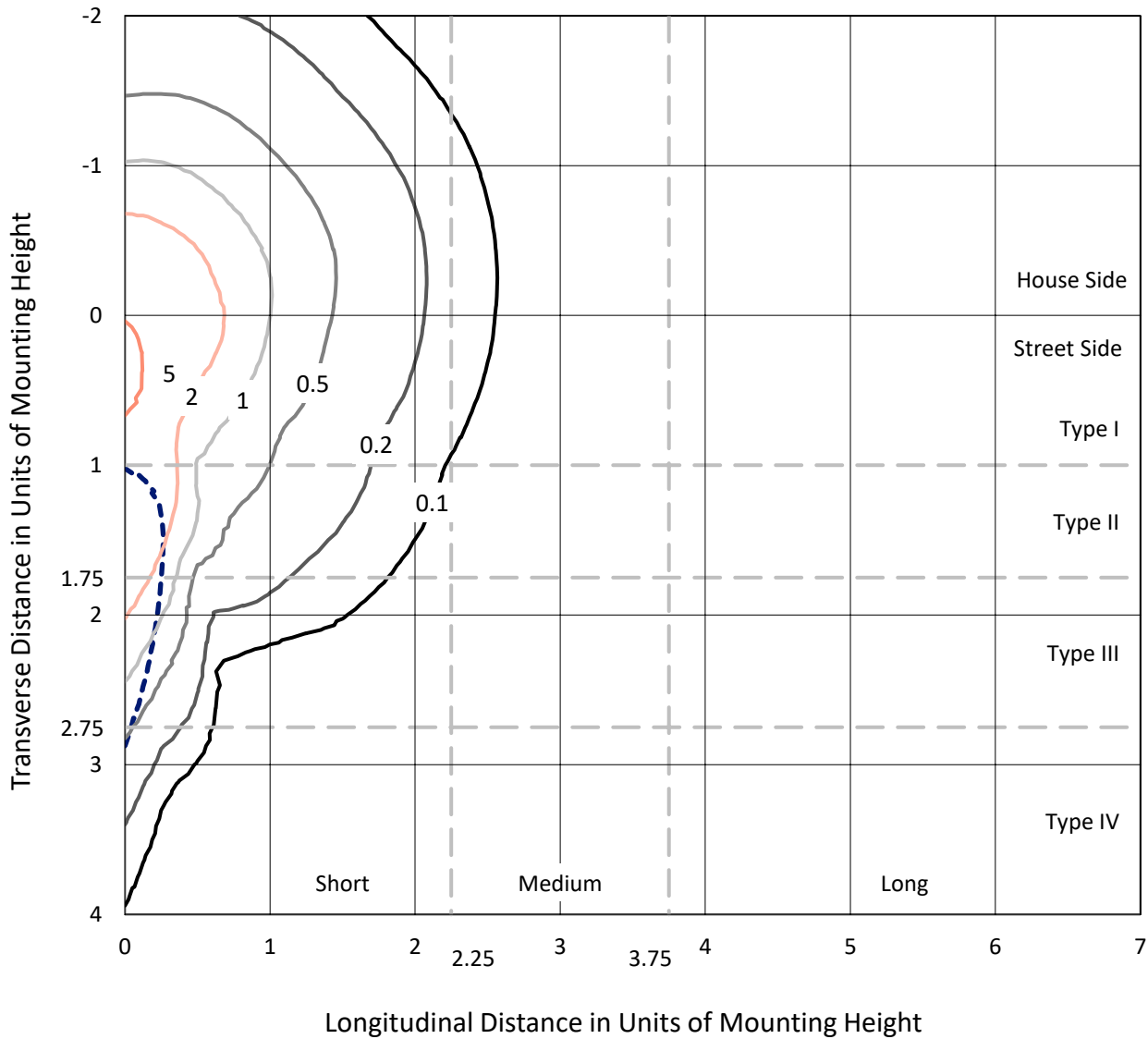
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633752
 CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

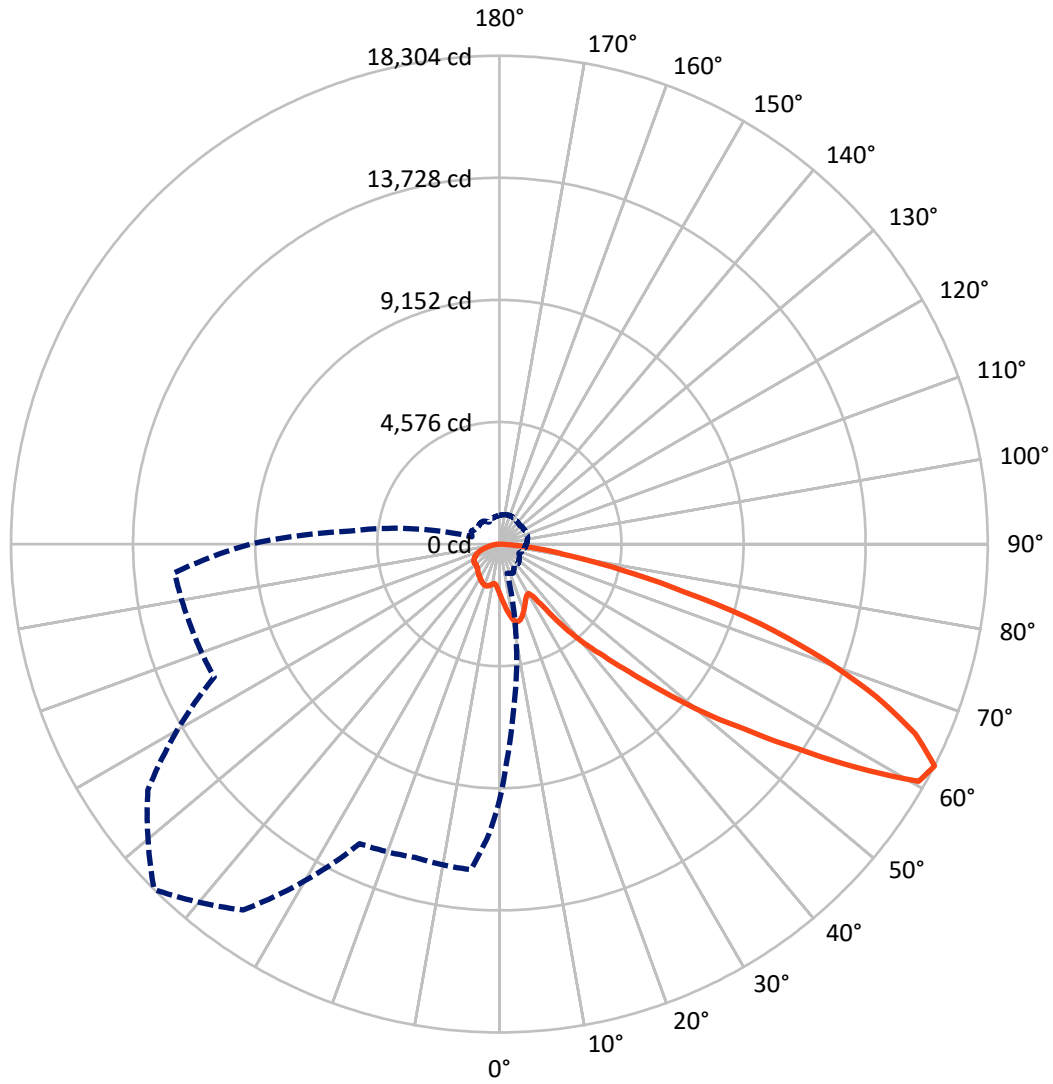
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

REPORT NUMBER: P633752
CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633752

CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3585.6	0.0	3585.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	11410.4	0.0	11410.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	14996.0	0.0	14996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	1.2
10°-20°	598.6	4.0
20°-30°	942.4	6.3
30°-40°	1291.7	8.6
40°-50°	2015.5	13.4
50°-60°	3475.0	23.2
60°-70°	4027.1	26.9
70°-80°	2125.7	14.2
80°-90°	335.8	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°	14996.0	100.0
0°-180°	14996.0	100.0

Coefficient of Utilization



REPORT NUMBER: P633752

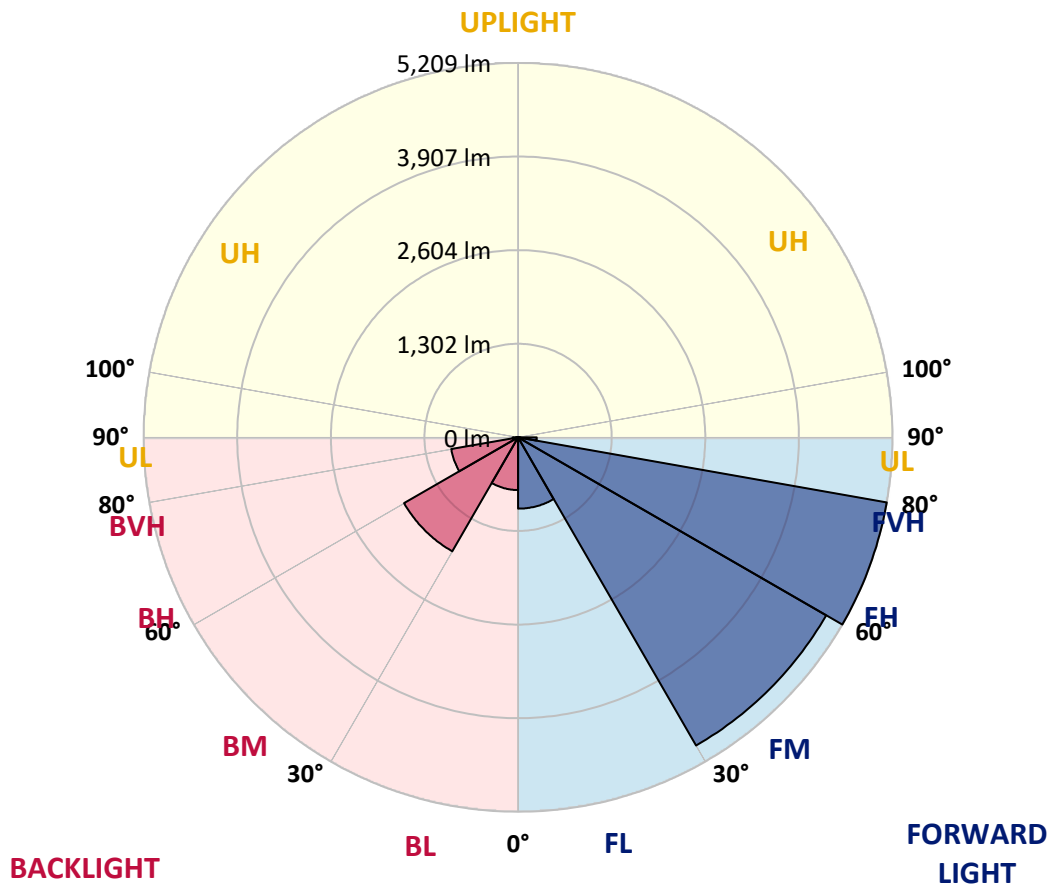
CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.8	6.6			
FM (30°-60°)	4950.7	33.0			
FH (60°-80°)	5208.8	34.7			G3/7500
FVH (80°-90°)	259.2	1.7			G3/500
BL (0°-30°)	733.4	4.9	B2/1000		
BM (30°-60°)	1831.5	12.2	B2/2500		
BH (60°-80°)	944.1	6.3	B2/1000		G2/1000
BVH (80°-90°)	76.6	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: P633752

CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	2031.4	2023.4	2011.9	1972.9	1948.8	1921.3	1892.6	1859.4	1821.5	1795.1	1768.8
5°	2203.5	2190.9	2163.3	2070.4	2006.2	1936.2	1877.7	1811.2	1745.8	1701.1	1656.3
7.5°	2368.7	2352.6	2310.2	2167.9	2063.5	1962.6	1874.3	1777.9	1680.4	1613.9	1561.1
10°	2533.8	2500.6	2446.7	2260.8	2123.2	2006.2	1905.2	1787.1	1657.5	1566.9	1510.7
12.5°	2660.0	2629.0	2570.5	2345.7	2182.8	2036.0	1922.5	1813.5	1703.4	1607.0	1549.7
15°	2778.2	2738.0	2671.5	2424.9	2232.2	2034.9	1888.0	1792.8	1776.8	1752.7	1678.1
17.5°	2863.0	2826.3	2757.5	2489.1	2259.7	1999.3	1792.8	1736.6	1808.9	1882.3	1811.2
20°	2937.6	2895.2	2825.2	2533.8	2265.4	1920.2	1677.0	1678.1	1791.7	1892.6	1875.4
22.5°	3000.7	2953.7	2891.7	2584.3	2263.1	1810.0	1576.0	1644.9	1758.4	1837.6	1839.9
25°	3078.7	3039.7	2988.1	2658.9	2263.1	1697.6	1502.6	1604.7	1702.2	1768.8	1766.5
27.5°	3173.9	3147.5	3105.1	2772.4	2283.8	1603.6	1461.3	1553.1	1630.0	1687.3	1686.2
30°	3280.6	3256.5	3224.4	2892.9	2319.3	1533.6	1438.4	1488.9	1545.1	1591.0	1591.0
32.5°	3389.5	3380.4	3345.9	2989.2	2291.8	1511.8	1418.9	1424.6	1454.5	1492.3	1488.9
35°	3540.9	3531.8	3488.2	3063.8	2172.5	1480.8	1387.9	1359.3	1362.7	1386.8	1394.8
37.5°	3762.3	3748.6	3684.3	3150.9	1992.4	1402.8	1337.5	1290.4	1280.1	1290.4	1305.3
40°	4029.6	4008.9	3921.8	3269.1	1784.8	1297.3	1258.3	1219.3	1202.1	1205.5	1222.8
42.5°	4364.5	4320.9	4195.9	3394.1	1579.5	1204.4	1170.0	1145.9	1126.4	1124.1	1157.4
45°	4908.2	4788.9	4590.5	3505.4	1406.3	1155.1	1090.8	1073.6	1057.6	1066.8	1105.8
47.5°	5858.0	5637.7	5251.2	3600.6	1300.8	1156.2	1027.8	1009.4	1008.3	1026.6	1070.2
50°	7163.3	6845.6	6249.1	3664.8	1245.7	1170.0	989.9	960.1	981.9	1000.2	1041.5
52.5°	8413.6	7928.4	7218.4	3663.7	1221.6	1172.3	1000.2	914.2	981.9	986.5	1025.5
55°	9481.5	8602.9	7479.9	3287.4	1187.2	1163.1	1040.4	878.6	969.3	986.5	1017.4
57.5°	10330.3	9031.9	7460.4	2655.4	1291.6	1112.6	1064.5	870.6	932.6	988.8	1024.3
60°	10236.3	8835.7	6979.8	1630.0	1281.3	1023.2	1061.0	885.5	870.6	957.8	1016.3
62.5°	9611.1	8132.6	6152.8	1131.0	1203.3	971.6	1004.8	911.9	813.3	913.1	977.3
65°	8735.9	7225.3	5127.3	867.2	996.8	973.8	909.6	893.6	762.8	841.9	910.8
67.5°	7578.6	6100.0	4047.9	687.1	695.1	843.1	825.9	793.8	715.8	778.8	840.8
70°	5697.4	4451.7	2785.0	552.9	526.5	704.3	742.1	713.5	669.9	688.2	753.6
72.5°	4014.7	2906.6	1525.6	438.2	406.1	541.4	644.6	640.1	591.9	605.6	669.9
75°	2983.5	2056.7	953.2	346.4	330.4	387.7	540.3	554.0	513.9	529.9	579.3
77.5°	1985.5	1331.7	529.9	256.9	256.9	283.3	402.6	466.8	437.0	449.6	484.1
80°	1095.4	677.9	265.0	168.6	173.2	195.0	293.6	336.1	337.2	368.2	377.4
82.5°	346.4	215.6	118.1	98.6	92.9	111.3	189.3	240.9	224.8	286.8	263.8
85°	79.1	50.5	21.8	21.8	24.1	36.7	72.3	128.5	164.0	197.3	143.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	50.5	74.6	66.5
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: P633752
 CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1752.7	1729.8	1722.9	1703.4	1701.1	1682.7	1675.8	1675.8	1683.9	1683.9	1691.9
5°	1638.0	1609.3	1593.3	1570.3	1564.6	1550.8	1541.6	1542.8	1553.1	1560.0	1573.8
7.5°	1537.0	1517.5	1506.1	1495.8	1493.5	1491.2	1480.8	1479.7	1483.1	1493.5	1503.8
10°	1494.6	1480.8	1484.3	1492.3	1504.9	1511.8	1502.6	1498.0	1494.6	1501.5	1510.7
12.5°	1535.9	1522.1	1529.0	1542.8	1560.0	1566.9	1563.4	1562.3	1565.7	1592.1	1611.6
15°	1626.5	1600.1	1591.0	1596.7	1610.5	1617.3	1613.9	1618.5	1640.3	1709.1	1758.4
17.5°	1738.9	1674.7	1638.0	1627.7	1633.4	1639.1	1639.1	1650.6	1688.5	1789.4	1851.3
20°	1799.7	1716.0	1654.0	1628.8	1631.1	1636.8	1636.8	1652.9	1695.3	1803.2	1843.3
22.5°	1783.7	1706.8	1631.1	1603.6	1604.7	1609.3	1609.3	1623.1	1660.9	1756.1	1774.5
25°	1720.6	1652.9	1578.3	1554.3	1556.5	1564.6	1562.3	1570.3	1599.0	1677.0	1687.3
27.5°	1644.9	1585.2	1511.8	1493.5	1503.8	1519.8	1506.1	1507.2	1533.6	1599.0	1600.1
30°	1563.4	1514.1	1448.7	1435.0	1454.5	1462.5	1449.9	1449.9	1476.3	1521.0	1519.8
32.5°	1475.1	1444.1	1397.1	1382.2	1404.0	1416.6	1400.5	1402.8	1423.5	1453.3	1441.8
35°	1392.5	1376.5	1354.7	1344.3	1358.1	1369.6	1359.3	1363.8	1383.3	1391.4	1375.3
37.5°	1313.4	1311.1	1313.4	1313.4	1316.8	1320.3	1313.4	1324.8	1342.0	1331.7	1313.4
40°	1244.5	1253.7	1275.5	1269.8	1266.3	1269.8	1265.2	1284.7	1301.9	1283.5	1261.8
42.5°	1187.2	1204.4	1237.7	1237.7	1230.8	1233.1	1230.8	1254.9	1267.5	1242.3	1218.2
45°	1137.9	1163.1	1205.5	1211.3	1199.8	1199.8	1204.4	1234.2	1238.8	1204.4	1179.2
47.5°	1103.5	1134.4	1182.6	1192.9	1175.7	1174.6	1187.2	1219.3	1219.3	1179.2	1150.5
50°	1079.4	1113.8	1171.1	1184.9	1167.7	1163.1	1183.8	1214.7	1207.8	1159.7	1131.0
52.5°	1063.3	1098.9	1170.0	1189.5	1178.0	1173.4	1194.1	1215.9	1198.7	1147.0	1117.2
55°	1053.0	1092.0	1173.4	1189.5	1176.9	1168.8	1189.5	1209.0	1199.8	1140.2	1111.5
57.5°	1058.7	1097.7	1168.8	1176.9	1162.0	1148.2	1172.3	1199.8	1196.4	1142.5	1113.8
60°	1049.6	1085.1	1143.6	1145.9	1120.7	1098.9	1134.4	1175.7	1175.7	1134.4	1109.2
62.5°	1007.1	1042.7	1094.3	1096.6	1067.9	1043.8	1085.1	1134.4	1133.3	1100.0	1073.6
65°	937.1	970.4	1028.9	1034.6	1006.0	980.7	1023.2	1069.1	1072.5	1042.7	1019.7
67.5°	860.3	890.1	933.7	956.6	932.6	906.2	945.2	988.8	987.6	952.1	928.0
70°	768.5	796.1	836.2	855.7	840.8	815.6	851.1	874.1	863.7	846.5	830.5
72.5°	677.9	704.3	742.1	742.1	726.1	702.0	712.3	753.6	766.2	753.6	743.3
75°	582.7	605.6	632.0	637.8	602.2	558.6	606.8	642.3	657.3	651.5	638.9
77.5°	485.2	502.4	541.4	531.1	464.6	441.6	480.6	533.4	543.7	540.3	523.1
80°	373.9	384.3	425.6	404.9	353.3	338.4	355.6	396.9	399.2	387.7	365.9
82.5°	251.2	265.0	292.5	252.4	251.2	237.4	223.7	228.3	248.9	246.6	231.7
85°	128.5	135.4	161.7	151.4	129.6	112.4	106.7	113.6	102.1	92.9	80.3
87.5°	53.9	58.5	80.3	44.7	13.8	0.0	0.0	6.9	10.3	14.9	16.1
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: P633752
 CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	1710.3	1722.9	1753.8	1792.8	1830.7	1869.7	1912.1	1938.5	1970.6	2011.9	2013.1
5°	1591.0	1619.6	1664.4	1724.0	1786.0	1857.1	1939.7	2008.5	2091.1	2156.5	2182.8
7.5°	1517.5	1558.8	1615.0	1690.8	1772.2	1860.5	1968.3	2084.2	2219.5	2306.7	2358.3
10°	1524.4	1587.5	1643.7	1708.0	1781.4	1876.6	2015.4	2169.1	2335.4	2450.1	2514.3
12.5°	1647.2	1713.7	1703.4	1699.9	1749.3	1865.1	2053.2	2255.1	2458.1	2572.8	2649.7
15°	1802.0	1827.2	1729.8	1656.3	1686.2	1823.8	2073.9	2332.0	2560.2	2700.2	2775.9
17.5°	1881.2	1830.7	1712.5	1602.4	1594.4	1760.7	2084.2	2410.0	2674.9	2814.9	2895.2
20°	1844.5	1771.0	1671.3	1566.9	1509.5	1674.7	2078.5	2471.9	2779.3	2935.3	3000.7
22.5°	1765.3	1701.1	1623.1	1523.3	1440.7	1580.6	2063.5	2533.8	2872.2	3029.4	3086.7
25°	1679.3	1631.1	1566.9	1479.7	1401.7	1498.0	2053.2	2616.4	2978.9	3129.2	3165.9
27.5°	1593.3	1557.7	1504.9	1437.3	1392.5	1440.7	2056.7	2724.2	3116.5	3258.8	3243.9
30°	1508.4	1477.4	1440.7	1410.9	1391.4	1426.9	2047.5	2838.9	3267.9	3399.9	3311.5
32.5°	1428.1	1399.4	1376.5	1381.0	1392.5	1432.7	2000.5	2943.3	3406.7	3519.1	3384.9
35°	1359.3	1329.4	1329.4	1345.5	1387.9	1413.2	1878.9	3024.8	3560.4	3672.9	3489.3
37.5°	1295.0	1268.6	1285.8	1312.2	1352.4	1360.4	1722.9	3103.9	3784.1	3889.6	3651.1
40°	1238.8	1212.4	1243.4	1276.7	1297.3	1293.9	1564.6	3214.0	4047.9	4156.9	3865.6
42.5°	1194.1	1170.0	1197.5	1240.0	1243.4	1246.8	1448.7	3319.6	4354.2	4493.0	4234.9
45°	1157.4	1140.2	1153.9	1196.4	1196.4	1249.1	1376.5	3407.9	4815.3	5060.8	4912.8
47.5°	1128.7	1118.4	1125.3	1139.0	1162.0	1290.4	1330.6	3475.6	5655.0	6136.7	5987.6
50°	1112.6	1102.3	1111.5	1082.8	1151.6	1311.1	1315.7	3527.2	6761.9	7516.6	7331.9
52.5°	1098.9	1095.4	1101.2	1034.6	1174.6	1297.3	1304.2	3458.4	7504.0	8874.7	9057.1
55°	1094.3	1096.6	1069.1	999.1	1202.1	1251.4	1269.8	2966.3	7705.9	10045.9	11178.0
57.5°	1096.6	1089.7	1019.7	1002.5	1203.3	1159.7	1319.1	2116.3	7412.2	10555.1	13253.0
60°	1088.5	1054.1	960.1	1033.5	1150.5	1051.8	1283.5	1379.9	6638.0	10164.0	13373.5
62.5°	1053.0	1002.5	908.5	1050.7	1056.4	987.6	1165.4	1063.3	5605.6	9326.7	12212.6
65°	1001.4	933.7	864.9	1015.1	961.2	957.8	876.3	852.3	4507.9	8329.9	11111.5
67.5°	916.5	848.8	832.8	933.7	864.9	848.8	704.3	706.6	3597.1	7267.7	10004.6
70°	820.1	752.5	765.1	844.2	769.7	705.4	570.1	588.4	2728.8	6055.3	8512.3
72.5°	757.1	666.4	667.6	743.3	676.8	571.2	469.1	485.2	1732.0	4564.1	6767.6
75°	638.9	587.3	562.1	602.2	574.7	445.1	394.6	391.1	1026.6	3271.4	5067.7
77.5°	533.4	493.2	480.6	496.7	429.0	329.2	317.7	312.0	581.6	2095.7	3320.7
80°	386.6	376.2	375.1	383.1	330.4	242.0	242.0	243.2	313.1	1137.9	1872.0
82.5°	245.5	268.4	237.4	263.8	224.8	172.1	160.6	182.4	180.1	485.2	789.2
85°	102.1	139.9	130.8	138.8	106.7	94.1	100.9	109.0	104.4	187.0	307.4
87.5°	19.5	22.9	25.2	24.1	24.1	29.8	33.3	40.1	40.1	53.9	92.9
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: P633752
 CATALOG NUMBER: GWS-SA2F-735-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7
2.5°	2056.7	2089.9	2083.0	2098.0	2078.5	2085.3	2046.3	2036.0	2029.1	2031.4
5°	2267.7	2335.4	2348.0	2373.2	2356.0	2356.0	2287.2	2235.6	2217.2	2203.5
7.5°	2482.2	2579.7	2643.9	2650.8	2641.7	2623.3	2523.5	2430.6	2397.3	2368.7
10°	2672.6	2789.6	2861.9	2896.3	2879.1	2850.4	2726.5	2599.2	2559.1	2533.8
12.5°	2818.3	2921.5	2969.7	2992.7	2990.4	2980.0	2879.1	2741.4	2699.0	2660.0
15°	2912.4	2964.0	2945.6	2944.5	2960.5	3001.8	2970.9	2863.0	2813.7	2778.2
17.5°	2973.2	2923.8	2842.4	2804.5	2838.9	2936.4	3007.6	2946.8	2902.0	2863.0
20°	2994.9	2819.4	2701.3	2631.3	2671.5	2812.6	2988.1	3007.6	2969.7	2937.6
22.5°	2969.7	2692.1	2531.5	2449.0	2488.0	2656.6	2930.7	3056.9	3031.7	3000.7
25°	2907.8	2559.1	2366.4	2291.8	2334.2	2506.3	2828.6	3102.8	3103.9	3078.7
27.5°	2830.9	2436.3	2250.5	2180.5	2221.8	2382.4	2728.8	3142.9	3183.1	3173.9
30°	2752.9	2362.9	2195.5	2146.1	2177.1	2319.3	2626.7	3184.2	3264.5	3280.6
32.5°	2717.4	2398.5	2325.1	2346.9	2306.7	2356.0	2590.0	3242.7	3363.1	3389.5
35°	2764.4	2713.9	2899.7	2985.8	2843.5	2656.6	2637.1	3331.0	3501.9	3540.9
37.5°	2992.7	3389.5	3667.1	3969.9	3723.3	3311.5	2869.9	3481.3	3700.4	3762.3
40°	3489.3	3979.1	4480.4	4871.5	4498.7	3944.7	3312.7	3705.0	3973.4	4029.6
42.5°	3957.3	4532.0	5222.5	5728.4	5244.3	4462.0	3789.9	4081.2	4333.6	4364.5
45°	4416.1	5074.5	6120.7	6823.8	6166.5	4954.1	4277.3	4716.7	4907.1	4908.2
47.5°	4954.1	5685.9	7247.1	8248.4	7390.4	5499.0	4735.0	5722.6	5987.6	5858.0
50°	5597.6	6293.9	8406.7	9905.9	8882.8	6168.8	5316.6	6948.8	7310.1	7163.3
52.5°	6459.0	6963.7	9684.5	11522.1	10509.3	6931.6	6159.7	8568.5	8687.8	8413.6
55°	7671.5	7930.7	11324.8	13518.0	12325.0	7871.1	7392.7	10601.0	10267.2	9481.5
57.5°	10432.4	9460.9	13430.8	15794.9	14379.4	9577.9	10095.2	12842.4	11655.2	10330.3
60°	12742.6	11319.1	15379.6	18054.6	16140.1	11459.0	12632.5	13232.4	11603.6	10236.3
62.5°	11963.7	11792.8	16082.8	18303.5	16741.2	12384.7	12161.0	12249.3	10846.5	9611.1
65°	10496.6	10878.6	15455.3	17123.2	16074.8	11555.4	11000.2	11340.9	9980.5	8735.9
67.5°	9630.6	9911.7	14339.3	15234.0	14863.5	10658.4	10097.5	9850.9	8636.1	7578.6
70°	8745.1	8978.0	12772.4	12863.0	12974.3	9167.2	8256.5	7522.4	6437.2	5697.4
72.5°	7556.8	7569.4	10791.4	10266.1	10477.2	7173.6	6646.0	5624.0	4685.7	4014.7
75°	6339.7	5993.3	8542.1	7175.9	7599.2	5580.4	5518.5	4238.3	3534.1	2983.5
77.5°	4833.7	4428.8	6239.9	4719.0	5337.2	3716.4	4148.9	2874.5	2486.8	1985.5
80°	3245.0	2992.7	3448.0	2663.4	3491.6	2561.4	2705.9	1628.8	1412.0	1095.4
82.5°	1711.4	1461.3	2131.2	1579.5	2106.0	1407.4	1015.1	503.6	429.0	346.4
85°	663.0	767.4	1045.0	562.1	816.7	502.4	293.6	125.0	104.4	79.1
87.5°	128.5	198.4	109.0	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)