

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: P634410

Luminaire Tested: GWS-SA3B-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634410  
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-SA3B-760-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

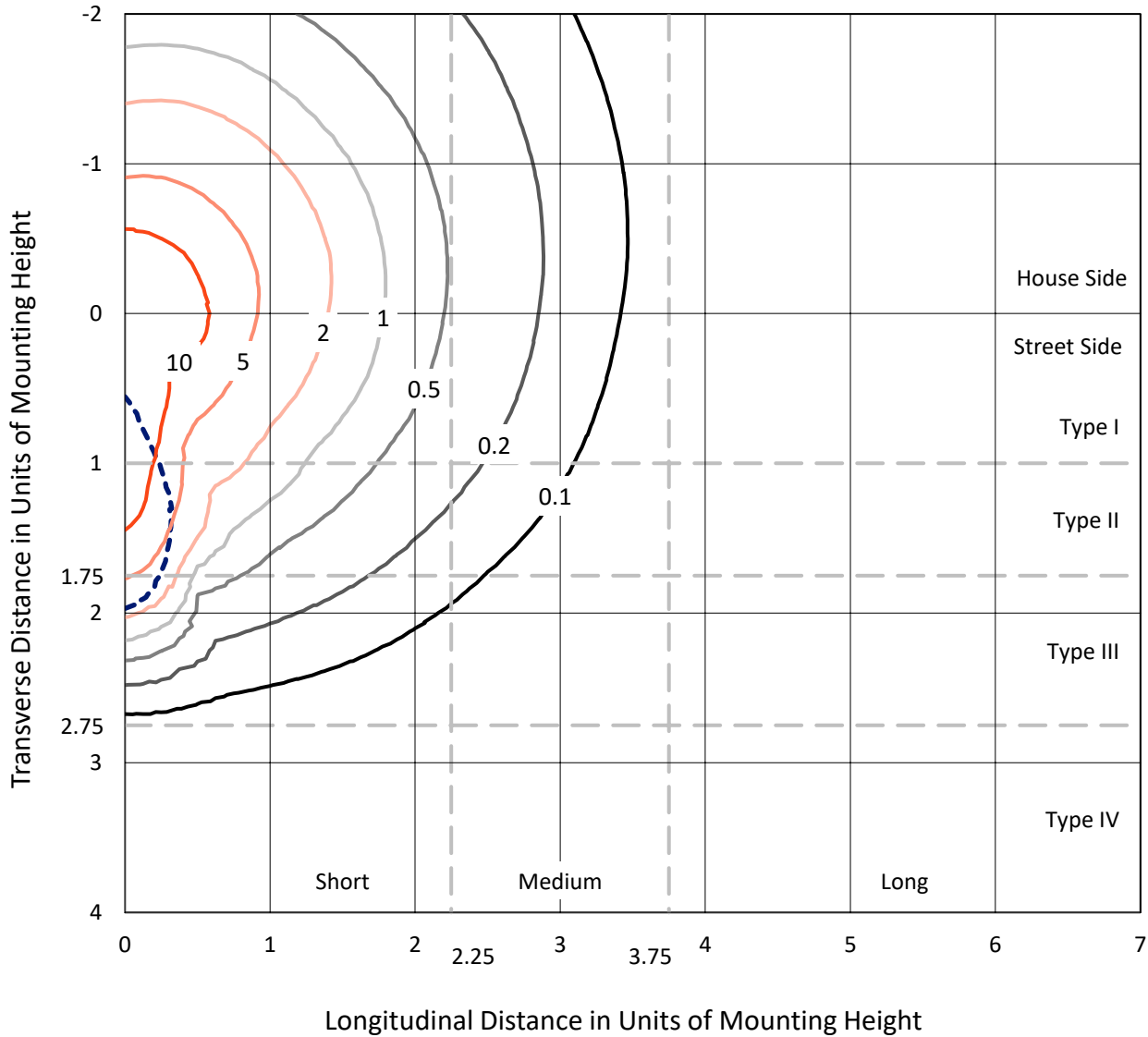
Lumens per Lamp: N/A  
Luminaire Lumens: 8168.3 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634410  
 CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

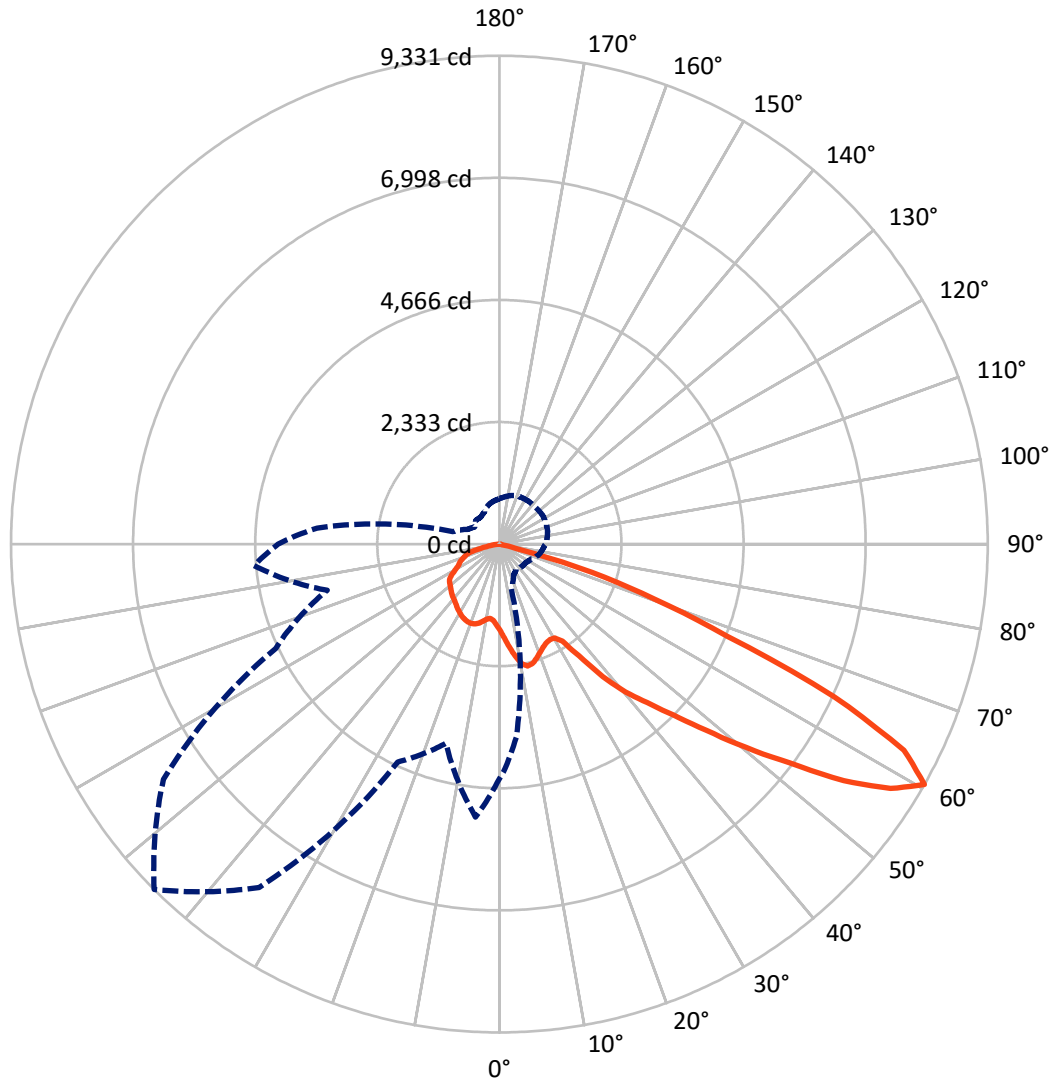
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P634410  
CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634410

CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2794.3	0.0	2794.3
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	5374.0	0.0	5374.0
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	8168.3	0.0	8168.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.0	2.0
10°-20°	516.3	6.3
20°-30°	840.8	10.3
30°-40°	1181.1	14.5
40°-50°	1616.3	19.8
50°-60°	2073.6	25.4
60°-70°	1396.3	17.1
70°-80°	349.1	4.3
80°-90°	34.0	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°	8168.3	100.0
0°-180°	8168.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634410

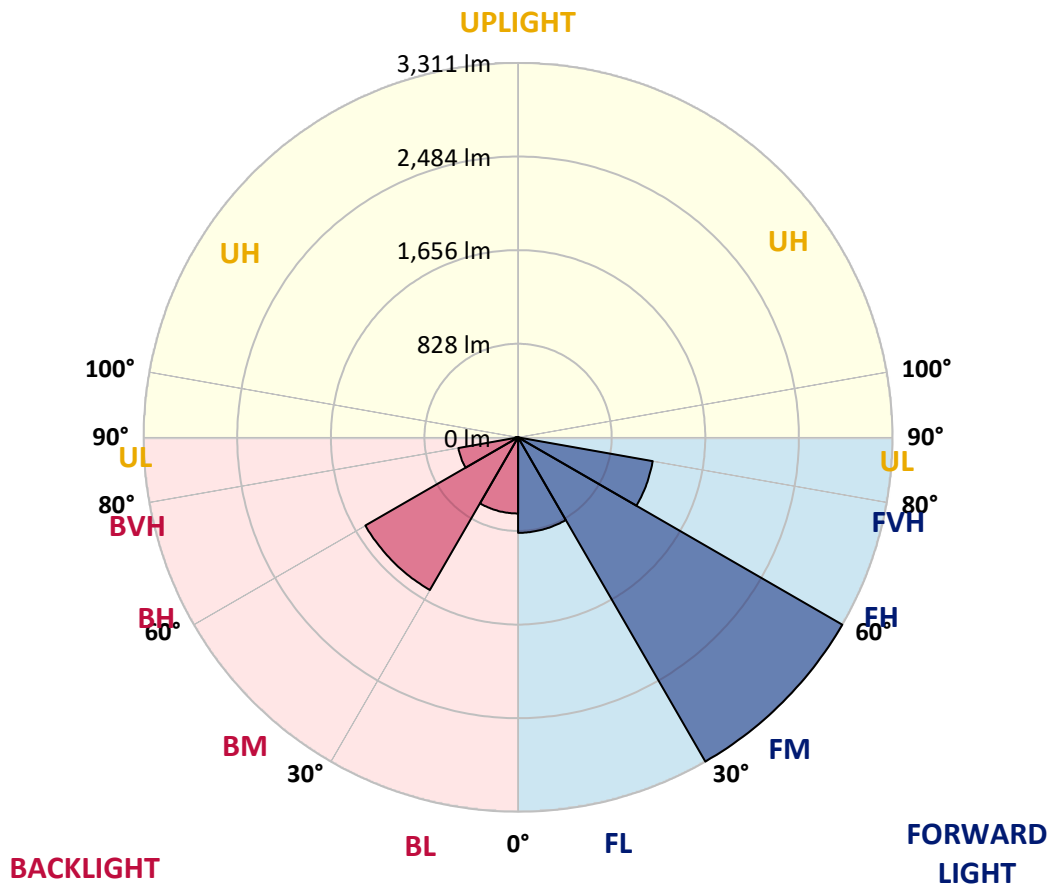
CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	844.4	10.3			
FM (30°-60°)	3311.5	40.5			
FH (60°-80°)	1209.2	14.8			G1/1800
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	673.6	8.2	B2/1000		
BM (30°-60°)	1559.4	19.1	B2/2500		
BH (60°-80°)	536.1	6.6	B2/1000		G2/1000
BVH (80°-90°)	25.2	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-G2**

Type III Short





REPORT NUMBER: P634410

CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5
2.5°	1743.0	1739.2	1735.5	1706.1	1698.6	1677.5	1662.5	1643.7	1616.6	1601.6	1588.8
5°	1852.1	1846.1	1825.7	1765.6	1726.4	1683.6	1648.2	1609.1	1567.7	1540.6	1519.6
7.5°	1955.1	1953.6	1919.0	1819.7	1756.5	1694.9	1646.7	1589.5	1530.1	1489.5	1462.4
10°	2050.7	2039.4	1998.0	1868.6	1785.9	1715.2	1663.3	1600.1	1530.9	1475.9	1439.8
12.5°	2134.9	2120.6	2063.5	1913.8	1811.5	1724.2	1667.8	1615.9	1570.0	1524.1	1482.7
15°	2204.1	2186.8	2128.9	1955.9	1834.0	1718.9	1639.9	1599.3	1615.1	1635.4	1589.5
17.5°	2268.8	2250.8	2180.1	1986.7	1840.8	1686.6	1571.5	1554.2	1633.9	1726.4	1705.4
20°	2323.0	2302.7	2220.7	2001.8	1828.8	1624.9	1482.7	1512.8	1618.1	1728.7	1762.6
22.5°	2381.7	2365.1	2266.6	2023.6	1813.7	1539.9	1408.2	1482.0	1591.0	1688.1	1739.2
25°	2475.7	2455.4	2338.0	2062.0	1806.2	1460.1	1354.8	1451.9	1553.4	1641.4	1681.3
27.5°	2611.9	2574.2	2435.8	2128.9	1814.5	1384.9	1321.0	1415.0	1509.8	1585.0	1617.4
30°	2760.1	2714.9	2544.2	2198.1	1826.5	1339.0	1302.9	1372.9	1442.8	1518.1	1553.4
32.5°	2935.3	2895.5	2660.0	2250.0	1800.9	1318.0	1289.4	1327.0	1382.7	1442.8	1472.2
35°	3144.5	3073.0	2786.4	2292.1	1718.2	1287.1	1277.3	1276.6	1305.9	1364.6	1397.7
37.5°	3369.4	3292.7	2942.1	2337.3	1589.5	1238.2	1248.8	1217.2	1244.2	1290.9	1328.5
40°	3553.7	3473.2	3099.3	2399.0	1428.6	1161.5	1185.6	1151.7	1168.3	1216.4	1258.5
42.5°	3734.2	3648.5	3246.0	2468.9	1272.8	1086.3	1098.3	1085.5	1090.8	1141.2	1199.9
45°	3971.2	3874.9	3426.6	2518.6	1132.9	1026.8	1015.6	993.7	1021.6	1087.0	1149.5
47.5°	4366.9	4251.8	3722.2	2550.9	1031.4	993.0	941.1	928.3	962.9	1035.9	1100.6
50°	4829.5	4730.2	4194.6	2549.4	955.4	964.4	868.9	857.6	914.8	988.5	1056.9
52.5°	5208.7	5107.9	4598.6	2474.2	892.9	903.5	826.7	795.1	873.4	941.8	1010.3
55°	5514.9	5401.3	4784.4	2159.8	814.0	806.4	780.9	722.9	821.5	895.2	959.1
57.5°	5350.1	5214.7	4559.5	1642.2	732.7	685.3	701.9	659.0	750.8	843.3	905.0
60°	4485.8	4363.9	3704.2	874.1	644.7	572.5	607.1	613.8	673.3	780.9	844.0
62.5°	3081.3	2992.5	2510.3	530.3	508.5	459.6	513.8	562.7	607.1	698.1	753.0
65°	1507.5	1481.2	1255.5	340.0	355.8	371.6	425.8	485.2	550.7	630.4	688.3
67.5°	415.3	418.3	380.6	265.5	280.6	324.2	367.1	414.5	479.9	553.7	612.3
70°	182.8	185.8	191.8	204.6	233.2	273.1	317.5	366.4	426.5	488.2	544.6
72.5°	127.1	130.1	139.2	155.7	181.3	218.9	261.0	307.7	370.1	422.0	468.7
75°	78.2	80.5	88.8	103.1	120.4	148.9	190.3	233.2	288.1	335.5	376.9
77.5°	41.4	39.9	45.1	54.9	70.0	85.0	112.8	139.9	179.0	217.4	252.0
80°	22.6	21.8	24.8	30.1	34.6	46.6	65.4	83.5	106.1	127.9	146.7
82.5°	9.8	9.0	9.8	12.8	15.8	22.6	33.1	45.9	58.7	73.7	85.8
85°	0.0	0.0	0.0	0.8	3.8	6.0	11.3	16.5	24.1	33.1	40.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	6.8
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: P634410

CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5
2.5°	1581.3	1562.5	1560.9	1545.9	1547.4	1548.2	1533.1	1527.1	1532.4	1538.4	1535.4
5°	1512.1	1492.5	1484.2	1469.9	1468.4	1461.6	1455.6	1448.1	1453.4	1458.6	1461.6
7.5°	1451.9	1439.1	1433.8	1430.1	1431.6	1428.6	1416.5	1409.7	1409.0	1411.2	1414.3
10°	1432.3	1421.8	1428.6	1439.1	1446.6	1451.9	1439.1	1427.8	1417.3	1412.8	1412.8
12.5°	1474.4	1460.9	1474.4	1485.7	1500.8	1504.5	1490.2	1478.2	1474.4	1479.0	1488.0
15°	1567.7	1536.1	1535.4	1542.1	1554.2	1560.2	1546.7	1540.6	1540.6	1569.2	1591.8
17.5°	1661.0	1609.1	1587.3	1583.5	1591.0	1593.3	1582.0	1576.7	1590.3	1646.0	1688.1
20°	1726.4	1663.3	1615.9	1606.8	1609.1	1609.8	1600.8	1597.1	1616.6	1684.3	1719.7
22.5°	1719.7	1673.0	1615.1	1603.8	1607.6	1606.1	1597.8	1596.3	1612.1	1670.8	1687.3
25°	1673.0	1636.9	1588.0	1580.5	1586.5	1585.8	1577.5	1573.7	1580.5	1619.6	1621.1
27.5°	1619.6	1588.0	1545.9	1543.6	1553.4	1558.7	1544.4	1533.1	1530.9	1557.2	1551.2
30°	1555.7	1532.4	1498.5	1500.0	1518.1	1521.1	1503.8	1487.2	1482.7	1497.0	1488.7
32.5°	1479.7	1472.2	1454.1	1457.9	1475.2	1481.2	1463.2	1445.9	1440.6	1445.1	1427.8
35°	1415.0	1412.0	1413.5	1420.3	1435.3	1439.8	1424.8	1411.2	1403.7	1387.9	1365.4
37.5°	1348.1	1356.3	1378.1	1390.9	1399.2	1397.7	1389.4	1379.7	1367.6	1338.3	1310.4
40°	1285.6	1306.7	1345.8	1360.1	1363.1	1363.9	1357.8	1349.6	1334.5	1295.4	1263.8
42.5°	1237.5	1260.8	1312.7	1334.5	1336.0	1337.5	1331.5	1324.7	1303.7	1251.8	1220.9
45°	1187.1	1217.9	1278.8	1305.2	1303.7	1302.9	1297.7	1294.6	1269.8	1209.6	1175.8
47.5°	1144.2	1180.3	1245.8	1268.3	1267.6	1266.8	1263.1	1263.1	1238.2	1172.8	1134.4
50°	1102.1	1143.4	1211.9	1230.7	1232.2	1230.7	1229.2	1231.5	1202.1	1132.2	1094.5
52.5°	1056.2	1102.8	1174.3	1191.6	1200.6	1204.4	1204.4	1199.1	1164.5	1091.5	1050.2
55°	1005.8	1050.2	1132.9	1156.2	1163.8	1170.5	1170.5	1160.0	1127.6	1053.9	1009.5
57.5°	943.3	982.5	1047.9	1071.2	1089.3	1093.8	1093.8	1076.5	1050.2	979.4	943.3
60°	875.6	909.5	953.9	978.7	992.2	983.2	990.0	985.5	964.4	899.0	868.9
62.5°	785.4	820.0	868.9	894.4	900.5	891.4	900.5	899.7	871.1	812.4	776.3
65°	720.7	754.5	802.7	835.8	845.5	843.3	849.3	840.3	804.9	749.3	714.7
67.5°	643.9	680.0	735.7	772.6	792.9	795.1	803.4	784.6	748.5	687.6	643.9
70°	571.0	601.8	644.7	679.3	707.9	722.2	723.7	696.6	651.5	601.1	569.5
72.5°	494.2	525.8	577.7	615.4	651.5	668.0	668.0	634.9	586.0	530.3	496.5
75°	401.0	430.3	477.7	518.3	559.7	580.7	580.0	551.4	497.2	444.6	409.2
77.5°	271.6	293.4	323.5	354.3	360.3	376.9	385.2	349.1	319.0	290.4	258.8
80°	158.0	171.5	188.1	205.4	209.1	214.4	200.9	187.3	171.5	152.7	138.4
82.5°	92.5	101.6	109.8	123.4	125.6	127.1	115.1	109.1	96.3	85.0	76.0
85°	45.1	48.1	55.7	62.4	59.4	57.9	52.7	46.6	41.4	36.9	32.3
87.5°	9.0	9.0	13.5	12.8	10.5	9.0	5.3	6.8	1.5	1.5	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: P634410

CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5
2.5°	1545.2	1557.9	1573.7	1594.8	1618.9	1644.5	1669.3	1688.1	1706.9	1734.7	1730.2
5°	1466.2	1488.0	1512.8	1545.2	1584.3	1628.7	1678.3	1728.0	1781.4	1826.5	1846.1
7.5°	1420.3	1444.3	1473.7	1515.8	1566.2	1620.4	1690.3	1770.8	1857.3	1916.8	1953.6
10°	1420.3	1451.1	1489.5	1530.1	1574.5	1630.2	1716.7	1817.5	1928.8	2007.0	2049.9
12.5°	1502.3	1533.1	1541.4	1539.9	1564.7	1626.4	1737.7	1866.4	1999.5	2082.3	2134.9
15°	1630.2	1640.7	1578.3	1521.1	1524.8	1599.3	1747.5	1905.5	2060.5	2159.8	2216.9
17.5°	1715.9	1688.1	1576.7	1476.7	1455.6	1553.4	1747.5	1943.1	2125.1	2237.2	2290.6
20°	1722.7	1653.5	1538.4	1433.8	1379.7	1492.5	1735.5	1971.7	2187.6	2311.7	2368.9
22.5°	1663.3	1594.8	1497.8	1397.0	1317.2	1418.8	1715.9	1993.5	2241.0	2381.7	2452.4
25°	1595.6	1538.4	1456.4	1359.3	1274.3	1344.3	1697.9	2030.4	2315.5	2476.5	2547.9
27.5°	1529.4	1481.2	1406.7	1327.7	1250.3	1279.6	1686.6	2084.5	2404.2	2611.1	2672.8
30°	1464.7	1421.0	1353.3	1297.7	1237.5	1237.5	1676.8	2147.0	2521.6	2762.3	2824.0
32.5°	1399.2	1357.8	1302.9	1268.3	1230.0	1220.9	1649.7	2205.6	2642.7	2927.8	2991.0
35°	1338.3	1296.9	1254.8	1240.5	1226.2	1208.1	1582.8	2251.5	2760.8	3121.1	3175.3
37.5°	1281.1	1241.2	1209.6	1205.9	1207.4	1173.5	1477.4	2289.9	2908.3	3319.0	3347.6
40°	1231.5	1187.1	1162.2	1161.5	1169.0	1117.9	1344.3	2344.8	3076.8	3486.7	3474.7
42.5°	1187.1	1140.4	1110.3	1117.1	1112.6	1062.2	1214.2	2395.2	3223.5	3644.0	3619.9
45°	1143.4	1098.3	1056.2	1066.0	1060.7	1027.6	1103.6	2432.1	3385.9	3832.8	3835.8
47.5°	1101.3	1056.9	1014.8	1002.8	1002.0	1017.1	1018.6	2444.1	3650.7	4136.7	4068.2
50°	1062.2	1017.8	974.2	933.6	949.4	996.0	955.4	2435.1	4047.2	4472.2	4281.1
52.5°	1021.6	979.4	931.3	858.3	899.7	945.6	899.0	2402.7	4289.4	4768.6	4654.3
55°	974.9	935.1	869.6	780.9	831.3	841.0	841.0	2089.8	4392.5	5062.0	5132.7
57.5°	912.5	859.8	756.0	684.6	729.7	692.1	779.3	1462.4	4222.5	4969.5	5244.0
60°	841.8	785.4	675.5	624.4	637.9	571.7	664.2	917.0	3499.5	4228.5	4703.9
62.5°	748.5	696.6	605.6	565.7	537.9	466.4	534.9	580.0	2399.0	3140.0	3464.2
65°	686.1	628.9	547.6	495.0	437.8	375.4	355.1	380.6	1290.1	1757.3	1976.2
67.5°	612.3	555.9	479.2	413.0	367.1	322.0	286.6	277.6	442.3	585.3	633.4
70°	542.4	488.2	424.3	362.6	316.7	272.3	237.7	212.9	204.6	203.1	200.1
72.5°	470.9	420.5	367.1	309.9	259.5	218.9	188.1	159.5	147.4	143.7	139.9
75°	385.9	346.0	292.6	230.9	190.3	152.7	128.6	109.8	99.3	95.5	91.0
77.5°	248.2	230.2	183.6	148.9	115.1	91.0	78.2	66.2	59.4	57.9	54.2
80°	132.4	123.4	101.6	85.8	68.5	55.7	48.9	42.1	38.4	36.9	35.4
82.5°	73.7	67.0	56.4	49.6	39.9	33.9	30.1	27.1	24.8	24.1	23.3
85°	33.1	28.6	22.6	21.1	18.8	17.3	16.5	15.0	14.3	13.5	12.8
87.5°	1.5	3.0	3.8	3.0	3.0	4.5	5.3	5.3	4.5	4.5	3.8
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: P634410

CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5	1647.5
2.5°	1758.0	1780.6	1782.9	1790.4	1780.6	1778.4	1762.6	1753.5	1745.3	1743.0
5°	1895.0	1940.1	1958.1	1970.9	1958.9	1952.9	1918.3	1882.2	1861.9	1852.1
7.5°	2035.6	2103.3	2138.7	2154.5	2156.0	2128.9	2069.5	2001.8	1967.9	1955.1
10°	2161.3	2244.8	2291.4	2321.5	2311.0	2277.9	2196.6	2104.8	2062.0	2050.7
12.5°	2254.5	2334.3	2370.4	2389.9	2389.2	2371.1	2294.4	2195.1	2146.2	2134.9
15°	2314.7	2362.1	2364.4	2368.9	2381.7	2405.7	2365.9	2274.1	2219.9	2204.1
17.5°	2362.1	2343.3	2307.9	2295.9	2324.5	2391.4	2415.5	2341.0	2282.4	2268.8
20°	2392.2	2297.4	2235.0	2211.7	2244.8	2353.8	2445.6	2401.2	2340.3	2323.0
22.5°	2415.5	2254.5	2153.7	2137.9	2172.5	2313.2	2476.5	2472.7	2405.7	2381.7
25°	2452.4	2226.0	2096.6	2085.3	2117.6	2293.7	2517.8	2569.7	2510.3	2475.7
27.5°	2510.3	2222.9	2067.2	2063.5	2107.8	2311.0	2577.3	2711.9	2637.4	2611.9
30°	2590.8	2251.5	2074.0	2081.5	2135.7	2373.4	2669.8	2874.4	2799.9	2760.1
32.5°	2706.6	2328.3	2177.1	2209.4	2249.3	2473.4	2805.2	3050.4	2994.0	2935.3
35°	2859.4	2538.9	2481.7	2619.4	2581.8	2692.4	2968.4	3264.1	3195.6	3144.5
37.5°	3063.2	2970.7	3023.4	3212.9	3121.9	3106.1	3167.8	3458.2	3420.5	3369.4
40°	3349.1	3367.9	3464.9	3713.9	3582.3	3480.7	3412.3	3604.1	3616.9	3553.7
42.5°	3538.7	3625.2	3859.1	4142.0	3960.7	3717.7	3616.9	3790.7	3791.4	3734.2
45°	3609.4	3835.8	4324.8	4650.5	4347.3	3853.1	3729.7	4044.2	4036.7	3971.2
47.5°	3583.8	4013.3	4808.5	5306.5	4843.8	3949.4	3713.9	4405.3	4466.2	4366.9
50°	3530.4	4191.6	5373.4	6109.9	5453.2	4051.7	3689.9	4805.5	4906.3	4829.5
52.5°	3584.5	4390.2	6041.4	6940.4	6217.5	4214.9	3852.3	5319.3	5301.2	5208.7
55°	3756.1	4624.9	6853.1	7983.8	7057.0	4491.0	4269.9	5809.0	5625.4	5514.9
57.5°	3747.8	4792.7	7564.8	8809.0	7787.4	4717.5	4415.0	5860.9	5490.0	5350.1
60°	3401.7	4715.9	7835.6	9331.1	8007.9	4592.6	3937.4	5235.0	4632.4	4485.8
62.5°	2538.9	4184.8	7310.5	8677.4	7384.2	3966.7	2960.9	3757.6	3328.8	3081.3
65°	1624.1	3273.9	6146.0	7029.9	6086.6	3033.9	1763.3	2014.6	1578.3	1507.5
67.5°	691.3	2311.0	4777.6	4698.6	4553.5	1965.7	680.8	567.2	422.8	415.3
70°	228.7	1572.2	2945.1	3133.9	2719.4	1354.1	224.9	190.3	189.6	182.8
72.5°	149.7	844.0	1658.0	1846.1	1749.8	779.3	136.2	127.1	130.1	127.1
75°	89.5	183.6	279.1	362.6	279.1	130.9	82.0	80.5	82.0	78.2
77.5°	52.7	51.2	49.6	49.6	48.9	45.1	41.4	39.9	40.6	41.4
80°	33.9	32.3	30.8	30.1	26.3	24.8	23.3	21.8	21.8	22.6
82.5°	21.8	20.3	18.8	16.5	13.5	11.3	10.5	9.0	9.0	9.8
85°	11.3	9.0	6.8	5.3	3.0	1.5	0.0	0.0	0.0	0.0
87.5°	2.3	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)