

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: P632379

Luminaire Tested: GWS-SA2C-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632379  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-750-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

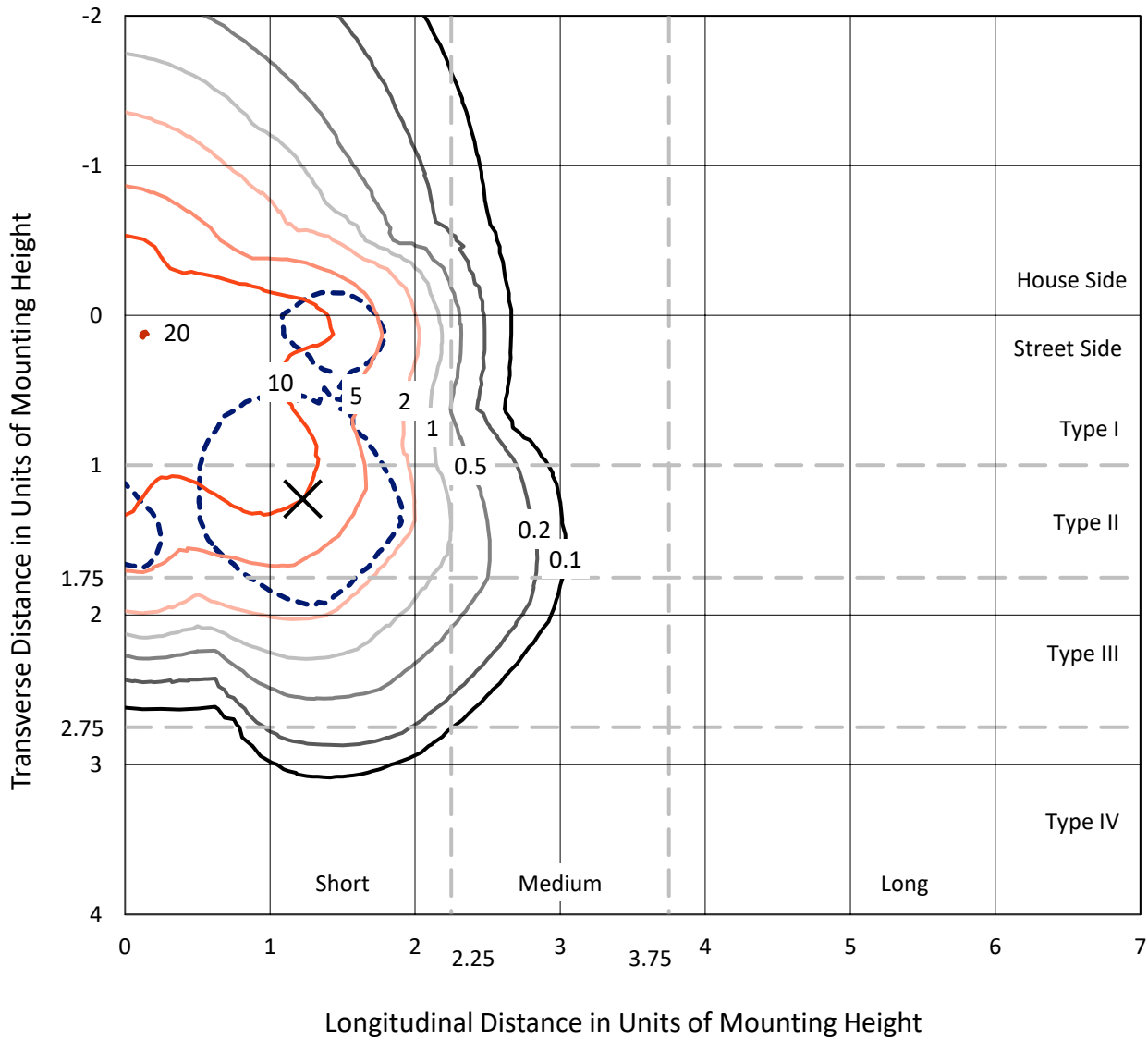
Lumens per Lamp: N/A  
Luminaire Lumens: 7407.2 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

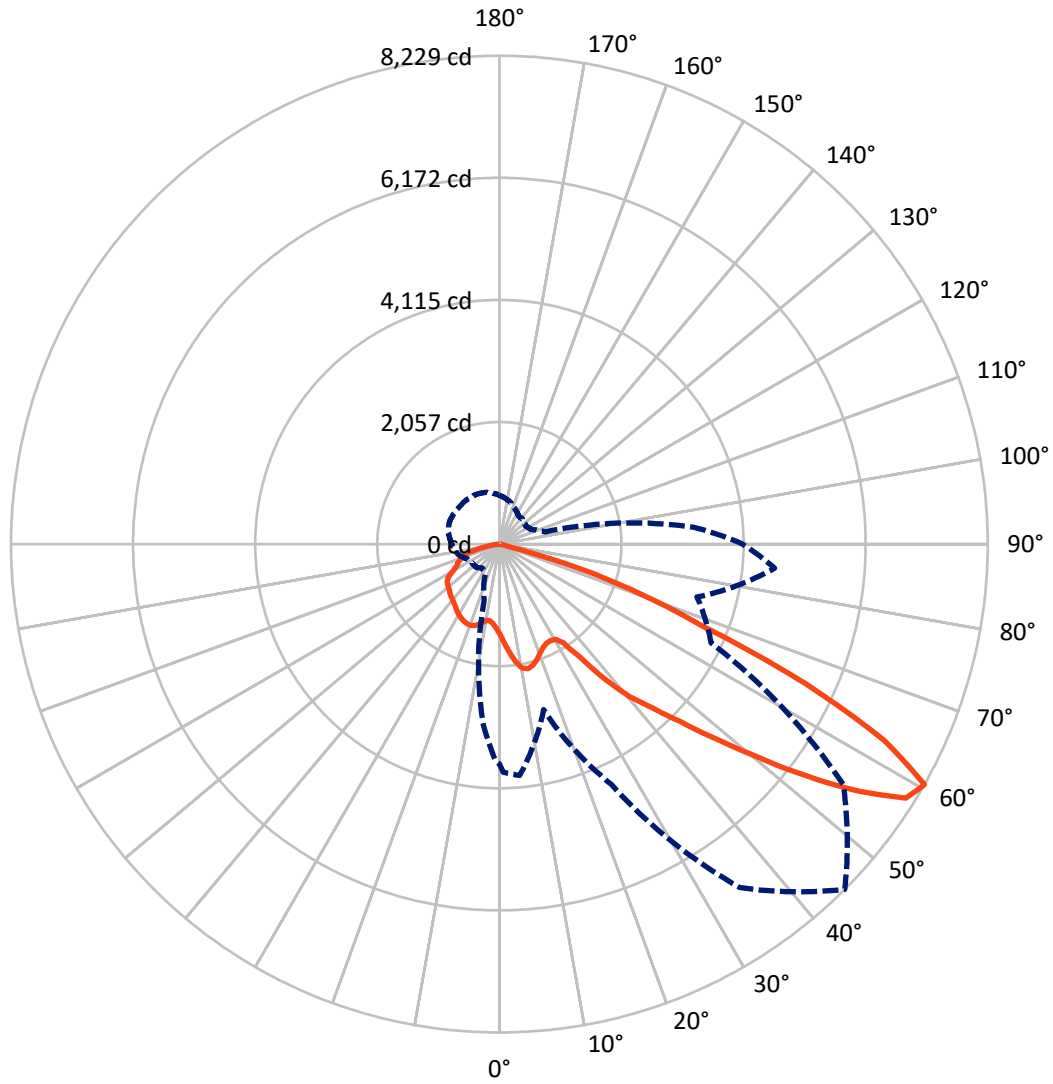
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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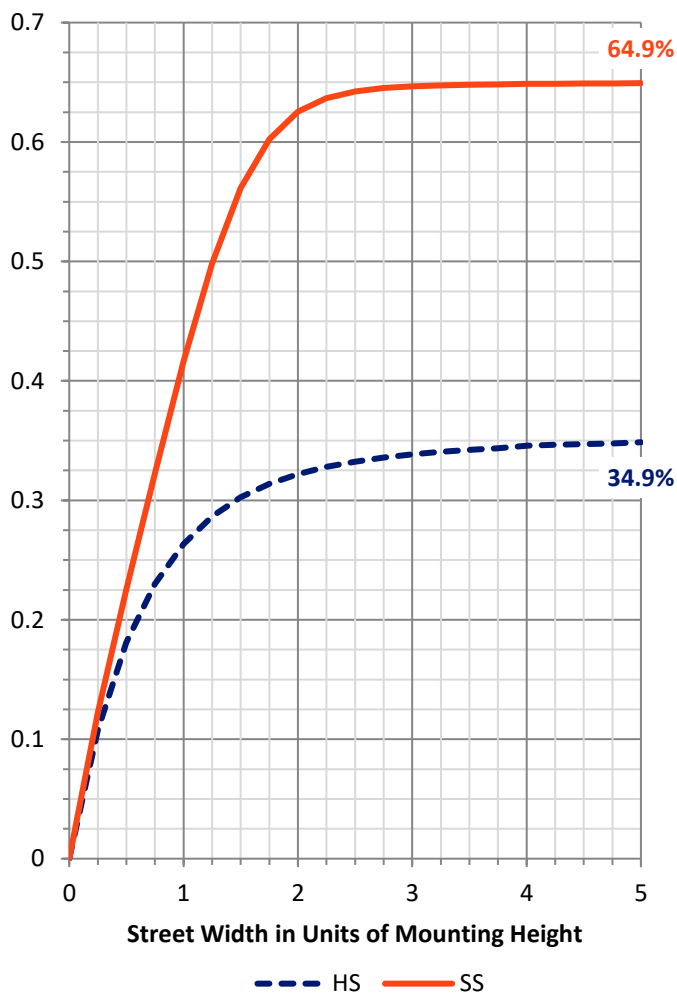
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2596.5	0.0	2596.5
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	4810.7	0.0	4810.7
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	7407.2	0.0	7407.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.5	2.0
10°-20°	469.1	6.3
20°-30°	762.1	10.3
30°-40°	1074.7	14.5
40°-50°	1485.3	20.1
50°-60°	1912.0	25.8
60°-70°	1211.4	16.4
70°-80°	310.9	4.2
80°-90°	33.2	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°	7407.2	100.0
0°-180°	7407.2	100.0

**Coefficient of Utilization**



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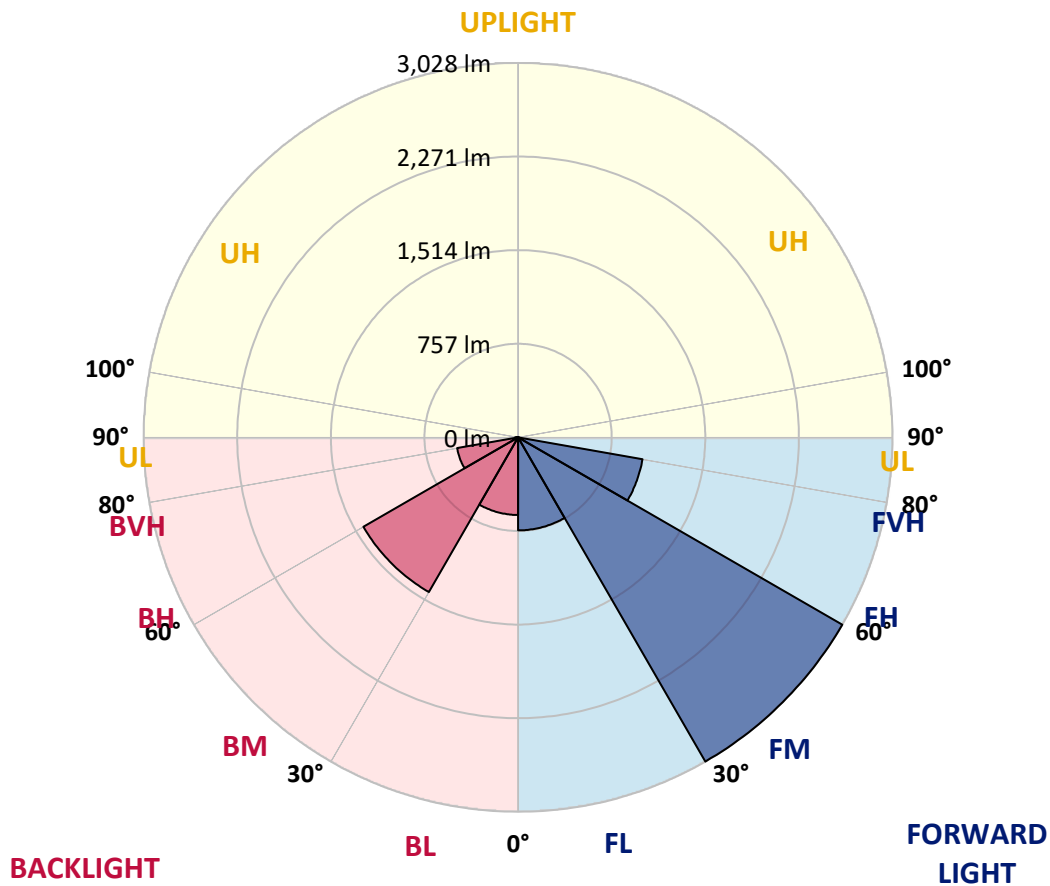
CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	752.1	10.2			
FM (30°-60°)	3027.6	40.9			
FH (60°-80°)	1021.9	13.8			G1/1800
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	627.6	8.5	B2/1000		
BM (30°-60°)	1444.3	19.5	B2/2500		
BH (60°-80°)	500.4	6.8	B2/1000		G2/1000
BVH (80°-90°)	24.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1591.6	1602.4	1609.2	1622.1	1645.2	1658.1	1672.3	1656.7	1660.8	1658.8	1633.6
5°	1685.9	1698.8	1716.4	1754.5	1797.2	1821.0	1843.4	1840.0	1818.9	1783.6	1758.5
7.5°	1774.1	1789.1	1819.6	1881.4	1944.5	1981.1	2008.3	1990.6	1973.0	1917.3	1854.2
10°	1843.4	1852.2	1893.6	1976.4	2049.7	2091.1	2124.3	2120.3	2095.8	2033.4	1948.6
12.5°	1908.5	1914.6	1959.4	2042.2	2108.1	2126.4	2153.5	2162.4	2154.2	2107.4	2023.9
15°	1978.4	1990.0	2031.4	2094.5	2124.3	2105.3	2114.8	2139.3	2162.4	2162.4	2085.7
17.5°	2043.6	2053.8	2095.8	2123.0	2094.5	2044.3	2047.0	2078.2	2133.2	2190.9	2142.0
20°	2101.3	2110.8	2152.2	2126.4	2036.1	1962.8	1960.8	1998.8	2087.7	2209.2	2202.4
22.5°	2164.4	2178.0	2212.6	2129.1	1981.8	1888.8	1888.2	1927.5	2047.7	2227.5	2271.6
25°	2254.0	2275.0	2292.7	2152.9	1952.6	1840.6	1849.5	1886.8	2034.8	2257.4	2374.1
27.5°	2387.0	2404.0	2402.6	2202.4	1951.3	1821.0	1839.3	1882.7	2057.8	2310.3	2482.0
30°	2530.9	2539.7	2525.5	2271.6	1982.5	1833.2	1860.3	1911.9	2116.2	2397.9	2640.8
32.5°	2690.4	2701.2	2674.1	2375.5	2055.1	1923.4	1983.2	2008.3	2198.3	2524.1	2809.2
35°	2873.6	2894.7	2838.3	2512.6	2268.9	2252.6	2339.5	2306.9	2372.8	2673.4	2989.0
37.5°	3066.4	3067.1	2986.3	2715.5	2688.3	2716.2	2889.9	2788.1	2742.6	2839.7	3172.3
40°	3230.0	3225.9	3101.7	2989.0	3053.5	3164.1	3373.8	3217.7	3098.3	3063.0	3324.3
42.5°	3393.5	3378.6	3253.0	3162.8	3305.3	3532.7	3769.5	3578.1	3326.3	3265.9	3474.3
45°	3602.6	3597.8	3446.5	3232.0	3532.7	3945.3	4259.6	3949.4	3461.4	3384.0	3724.1
47.5°	3939.9	3916.8	3635.1	3226.6	3745.8	4495.1	4892.1	4417.0	3555.7	3386.7	4127.2
50°	4269.7	4241.2	3860.5	3225.9	3965.7	5065.2	5638.7	4985.1	3652.1	3403.0	4537.1
52.5°	4603.0	4603.0	4230.4	3302.6	4196.4	5701.8	6501.3	5693.0	3816.4	3616.1	5041.4
55°	4801.2	4854.1	4646.4	3432.2	4466.6	6451.1	7354.4	6457.2	4070.2	4001.0	5507.0
57.5°	4549.4	4648.4	4618.6	3341.9	4626.1	7001.5	8077.9	7036.8	4195.8	4046.4	5437.1
60°	3707.1	3844.9	3913.4	2885.9	4468.6	7065.3	8229.3	7074.8	3936.5	3445.8	4657.3
62.5°	2464.4	2577.7	2682.2	2061.9	3868.6	6356.1	7278.4	6358.1	3287.6	2571.6	3226.6
65°	1208.8	1292.9	1405.6	1219.0	3022.3	5310.9	5674.7	5137.8	2378.2	1439.5	1645.9
67.5°	316.3	340.0	355.6	473.1	2165.1	3815.7	3701.0	3758.0	1527.8	470.3	430.3
70°	164.2	165.6	164.9	195.5	1463.3	2425.0	2550.6	2359.9	1066.2	196.8	169.7
72.5°	117.4	118.1	116.1	131.7	706.5	1389.3	1439.5	1423.9	558.6	116.7	116.1
75°	76.7	77.4	76.0	77.4	106.6	158.1	145.9	153.4	93.0	74.0	74.0
77.5°	45.5	46.2	45.5	46.8	45.5	45.5	42.1	42.1	40.0	40.0	40.7
80°	30.5	30.5	29.9	31.2	28.5	28.5	27.1	26.5	24.4	23.8	23.8
82.5°	18.3	19.0	18.3	18.3	17.0	17.0	15.6	14.9	12.9	12.9	12.2
85°	9.5	9.5	8.8	8.8	7.5	6.8	5.4	5.4	4.1	3.4	3.4
87.5°	1.4	1.4	0.7	0.7	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1626.9	1613.3	1592.9	1573.2	1554.9	1535.9	1514.2	1491.8	1472.8	1453.1	1442.9
5°	1725.3	1697.4	1644.5	1597.7	1555.6	1521.0	1483.6	1451.7	1421.9	1397.5	1385.2
7.5°	1814.2	1770.7	1690.7	1616.7	1559.7	1512.2	1460.6	1413.1	1373.0	1343.2	1331.6
10°	1896.3	1844.7	1739.5	1645.9	1579.3	1526.4	1463.3	1398.8	1345.9	1306.5	1297.0
12.5°	1962.8	1903.8	1778.2	1669.6	1590.9	1533.9	1478.2	1422.6	1370.3	1319.4	1311.3
15°	2021.9	1952.0	1807.4	1684.5	1586.8	1514.2	1467.4	1460.6	1460.6	1402.9	1386.6
17.5°	2072.8	1996.1	1831.1	1691.3	1561.0	1455.8	1427.3	1486.4	1552.9	1511.5	1474.8
20°	2131.1	2038.2	1850.8	1691.3	1513.5	1381.8	1379.1	1479.6	1578.0	1578.7	1540.0
22.5°	2190.2	2087.0	1873.9	1685.2	1448.4	1296.3	1346.6	1452.4	1540.0	1577.3	1550.8
25°	2285.9	2154.9	1910.6	1680.5	1372.3	1238.0	1317.4	1416.5	1490.4	1529.8	1512.8
27.5°	2407.4	2244.5	1966.2	1687.9	1297.0	1203.3	1286.1	1369.6	1436.8	1471.4	1459.2
30°	2543.1	2347.6	2025.9	1700.8	1242.7	1185.7	1248.8	1316.0	1375.7	1410.3	1404.9
32.5°	2716.2	2459.6	2077.5	1683.2	1212.2	1176.9	1209.5	1257.6	1315.3	1337.0	1341.8
35°	2923.2	2583.2	2116.9	1614.0	1184.3	1167.4	1166.7	1196.6	1237.3	1271.9	1275.3
37.5°	3113.9	2727.7	2160.3	1495.2	1134.1	1143.6	1116.5	1134.1	1174.2	1208.8	1222.3
40°	3302.6	2874.3	2220.7	1343.8	1068.3	1090.7	1058.8	1071.0	1102.9	1148.4	1170.1
42.5°	3485.8	3006.7	2284.5	1189.1	1002.4	1016.7	992.9	1005.2	1038.4	1095.4	1119.9
45°	3685.4	3185.8	2334.1	1043.2	945.4	939.3	920.3	938.0	988.2	1050.6	1079.8
47.5°	4062.7	3468.2	2366.6	946.1	914.9	870.8	849.1	887.1	944.1	1007.2	1042.5
50°	4523.6	3876.8	2357.1	884.4	888.4	800.2	792.7	843.0	904.0	969.9	1008.6
52.5°	4888.7	4277.9	2249.2	825.3	836.8	755.4	733.7	807.0	865.3	932.5	972.6
55°	5167.7	4412.9	1918.0	755.4	752.7	722.8	677.3	769.7	826.7	889.1	932.5
57.5°	4940.3	4112.3	1421.9	659.0	642.7	658.3	614.2	706.5	779.2	840.9	879.6
60°	4100.1	3278.8	792.0	583.7	537.5	575.5	568.8	640.0	727.6	792.7	826.0
62.5°	2783.4	2183.4	469.7	461.5	435.7	490.0	526.0	572.8	659.0	712.0	743.2
65°	1387.3	1060.8	312.2	345.5	348.9	403.2	471.0	522.6	594.5	648.8	680.1
67.5°	402.5	329.9	237.5	264.0	300.7	344.1	398.4	459.5	529.4	593.9	630.5
70°	173.7	175.8	188.7	219.9	255.9	300.7	355.0	414.7	473.7	523.3	551.1
72.5°	122.8	127.6	141.8	173.7	207.7	250.4	304.7	362.4	405.2	455.4	484.6
75°	78.7	82.1	93.7	118.1	143.2	184.6	236.2	289.1	333.2	369.2	397.0
77.5°	43.4	44.1	53.6	67.9	84.8	111.3	149.3	190.7	223.3	243.7	268.8
80°	25.1	25.1	29.9	38.7	48.9	65.2	86.2	106.6	126.2	139.1	151.4
82.5°	13.6	13.6	15.6	21.0	26.5	36.0	48.2	58.4	70.6	77.4	85.5
85°	4.1	4.1	5.4	7.5	9.5	13.6	19.0	24.4	29.9	34.6	39.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1440.9	1431.4	1426.0	1419.2	1421.2	1415.1	1411.7	1413.7	1401.5	1413.7	1426.0
5°	1380.5	1366.9	1356.1	1347.2	1343.2	1335.0	1330.3	1330.3	1322.8	1335.0	1349.9
7.5°	1327.5	1316.7	1311.3	1305.8	1299.7	1292.3	1284.1	1281.4	1276.6	1289.5	1302.4
10°	1292.3	1293.6	1297.0	1304.5	1303.1	1298.4	1286.1	1279.4	1279.4	1294.3	1314.0
12.5°	1308.5	1322.8	1330.9	1344.5	1347.2	1343.2	1330.9	1325.5	1339.1	1361.5	1394.1
15°	1371.7	1381.2	1388.0	1398.8	1398.1	1394.7	1385.2	1389.3	1434.1	1477.5	1506.7
17.5°	1440.2	1429.4	1428.0	1434.8	1436.8	1432.7	1427.3	1445.6	1519.6	1560.3	1575.3
20°	1489.8	1452.4	1444.3	1447.0	1452.4	1450.4	1450.4	1480.3	1556.9	1576.0	1556.9
22.5°	1504.7	1451.7	1439.5	1440.2	1447.7	1448.4	1451.7	1483.0	1527.8	1528.4	1499.3
25°	1480.9	1430.0	1421.2	1422.6	1431.4	1430.7	1432.1	1449.7	1469.4	1461.3	1439.5
27.5°	1436.1	1392.0	1389.3	1396.8	1408.3	1402.2	1398.1	1402.9	1412.4	1402.2	1383.2
30°	1385.2	1347.9	1349.3	1363.5	1375.7	1365.6	1355.4	1358.1	1358.8	1347.9	1326.2
32.5°	1331.6	1303.8	1308.5	1323.5	1337.7	1326.9	1316.0	1314.7	1301.8	1288.9	1267.8
35°	1278.0	1267.1	1273.3	1285.5	1297.7	1288.9	1282.1	1278.0	1250.2	1231.2	1213.5
37.5°	1229.1	1237.3	1248.1	1255.6	1259.7	1259.0	1254.9	1245.4	1208.8	1186.4	1163.3
40°	1185.7	1210.8	1222.3	1225.7	1231.8	1230.5	1229.8	1216.2	1168.1	1144.3	1117.8
42.5°	1146.3	1181.6	1201.3	1204.7	1208.1	1208.8	1206.7	1187.1	1132.1	1104.3	1079.1
45°	1108.3	1154.5	1179.6	1176.2	1180.9	1180.9	1183.0	1157.2	1096.8	1068.3	1041.8
47.5°	1075.1	1129.4	1152.4	1148.4	1151.1	1153.1	1155.2	1125.3	1058.1	1031.0	1003.8
50°	1044.5	1102.2	1121.9	1123.3	1123.3	1128.0	1127.3	1098.1	1025.5	996.3	969.2
52.5°	1011.9	1074.4	1095.4	1104.3	1107.0	1109.0	1099.5	1065.6	992.3	957.0	931.9
55°	973.9	1045.9	1064.9	1076.4	1081.9	1080.5	1067.6	1033.0	958.3	923.0	894.5
57.5°	916.3	984.8	1011.9	1017.4	1026.2	1020.8	1005.8	976.7	904.0	868.7	839.6
60°	853.1	902.7	924.4	929.1	922.4	924.4	922.4	894.5	831.4	803.6	773.7
62.5°	770.3	814.4	837.5	843.6	832.1	839.6	836.8	802.2	739.1	709.9	683.5
65°	707.9	756.1	783.2	786.6	783.2	786.6	777.1	735.0	675.3	645.4	618.3
67.5°	659.0	708.6	737.1	746.6	743.2	742.5	727.6	678.7	616.9	584.4	549.8
70°	574.9	618.3	655.0	678.0	678.0	665.1	636.6	591.2	541.6	513.8	486.6
72.5°	509.0	564.0	600.0	623.7	628.5	621.0	581.0	532.8	475.8	447.9	419.4
75°	419.4	473.1	511.7	543.0	549.1	540.9	494.8	447.3	394.3	367.2	338.7
77.5°	280.3	312.2	343.4	371.9	365.8	371.3	340.0	304.1	271.5	251.1	238.2
80°	158.1	179.2	188.7	204.3	204.3	204.3	183.9	167.0	148.6	137.1	124.2
82.5°	89.6	103.2	107.2	120.1	123.5	124.2	110.6	99.8	88.2	82.1	73.3
85°	41.4	48.9	49.5	57.0	59.7	65.2	59.0	51.6	44.8	42.1	36.7
87.5°	1.4	4.1	5.4	10.2	13.6	15.6	17.0	17.0	14.3	12.9	10.9
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: P632379

CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1440.9	1457.2	1476.2	1489.8	1514.2	1534.6	1555.6	1578.7	1595.6	1591.6
5°	1368.3	1395.4	1430.0	1461.9	1507.4	1553.6	1604.5	1656.7	1687.3	1685.9
7.5°	1327.5	1366.2	1408.3	1451.1	1504.7	1571.2	1649.3	1730.7	1772.1	1774.1
10°	1349.3	1390.7	1419.2	1455.1	1511.5	1595.0	1688.6	1786.4	1833.9	1843.4
12.5°	1417.8	1414.4	1412.4	1438.2	1506.0	1611.9	1726.6	1843.4	1897.0	1908.5
15°	1483.0	1413.1	1371.0	1388.6	1481.6	1622.8	1764.0	1905.8	1966.2	1978.4
17.5°	1495.2	1389.3	1311.3	1323.5	1442.9	1626.2	1799.9	1966.9	2032.0	2043.6
20°	1461.3	1358.8	1267.8	1250.9	1394.1	1617.4	1822.3	2017.8	2089.1	2101.3
22.5°	1418.5	1331.6	1235.2	1191.1	1334.3	1608.5	1847.4	2071.4	2153.5	2164.4
25°	1373.7	1297.0	1204.7	1137.5	1266.5	1603.1	1889.5	2142.0	2241.1	2254.0
27.5°	1326.2	1254.9	1178.2	1111.7	1204.0	1609.9	1949.2	2256.0	2368.7	2387.0
30°	1275.3	1212.8	1161.3	1102.9	1161.3	1616.0	2015.1	2372.8	2505.1	2530.9
32.5°	1222.3	1174.2	1143.6	1107.0	1134.8	1601.7	2072.8	2503.7	2668.0	2690.4
35°	1169.4	1134.8	1121.2	1114.4	1099.5	1549.5	2119.6	2636.1	2854.0	2873.6
37.5°	1119.9	1094.1	1090.0	1097.5	1045.2	1464.0	2173.9	2804.4	3036.5	3066.4
40°	1073.7	1050.0	1049.3	1047.9	985.5	1347.2	2247.2	2975.4	3216.4	3230.0
42.5°	1031.0	1001.1	1006.5	990.2	936.6	1221.0	2316.4	3121.4	3384.0	3393.5
45°	992.9	953.6	959.7	939.3	913.5	1088.6	2377.5	3293.8	3596.5	3602.6
47.5°	956.3	914.2	897.2	895.9	909.5	966.5	2437.2	3625.6	3929.0	3939.9
50°	922.4	876.9	828.7	858.6	884.4	874.9	2511.9	3981.3	4272.4	4269.7
52.5°	889.8	830.1	761.5	819.2	819.2	807.0	2490.8	4197.1	4556.1	4603.0
55°	852.5	754.7	691.6	753.4	723.5	745.9	2118.2	4267.7	4734.6	4801.2
57.5°	778.5	661.7	606.8	640.0	595.2	691.6	1521.7	3917.5	4431.3	4549.4
60°	707.2	593.2	557.2	551.1	492.7	564.0	986.2	3067.1	3647.4	3707.1
62.5°	623.7	534.1	503.6	456.8	396.4	410.6	597.3	2018.5	2450.8	2464.4
65°	560.6	483.9	425.5	369.9	324.4	298.0	352.9	973.3	1225.1	1208.8
67.5°	481.2	414.7	359.0	319.0	281.7	248.4	234.8	289.1	327.1	316.3
70°	428.3	364.5	310.8	272.8	238.2	205.0	181.2	170.4	167.0	164.2
72.5°	369.2	313.6	257.9	221.3	188.7	158.1	136.4	123.5	120.1	117.4
75°	294.6	242.3	191.4	156.8	128.3	106.6	92.3	81.4	79.4	76.7
77.5°	194.8	155.4	114.0	93.0	76.0	64.5	55.0	48.2	46.8	45.5
80°	107.2	89.6	69.9	56.3	45.5	39.4	36.0	31.9	31.2	30.5
82.5°	63.8	53.6	40.0	31.9	26.5	23.8	21.7	19.7	19.0	18.3
85°	31.9	25.1	17.6	14.9	13.6	12.2	12.2	10.2	9.5	9.5
87.5°	8.1	6.8	4.1	3.4	3.4	3.4	2.7	2.0	2.0	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)