

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: P639307

Luminaire Tested: GWS-SA5B-750-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639307  
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-SA5B-750-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

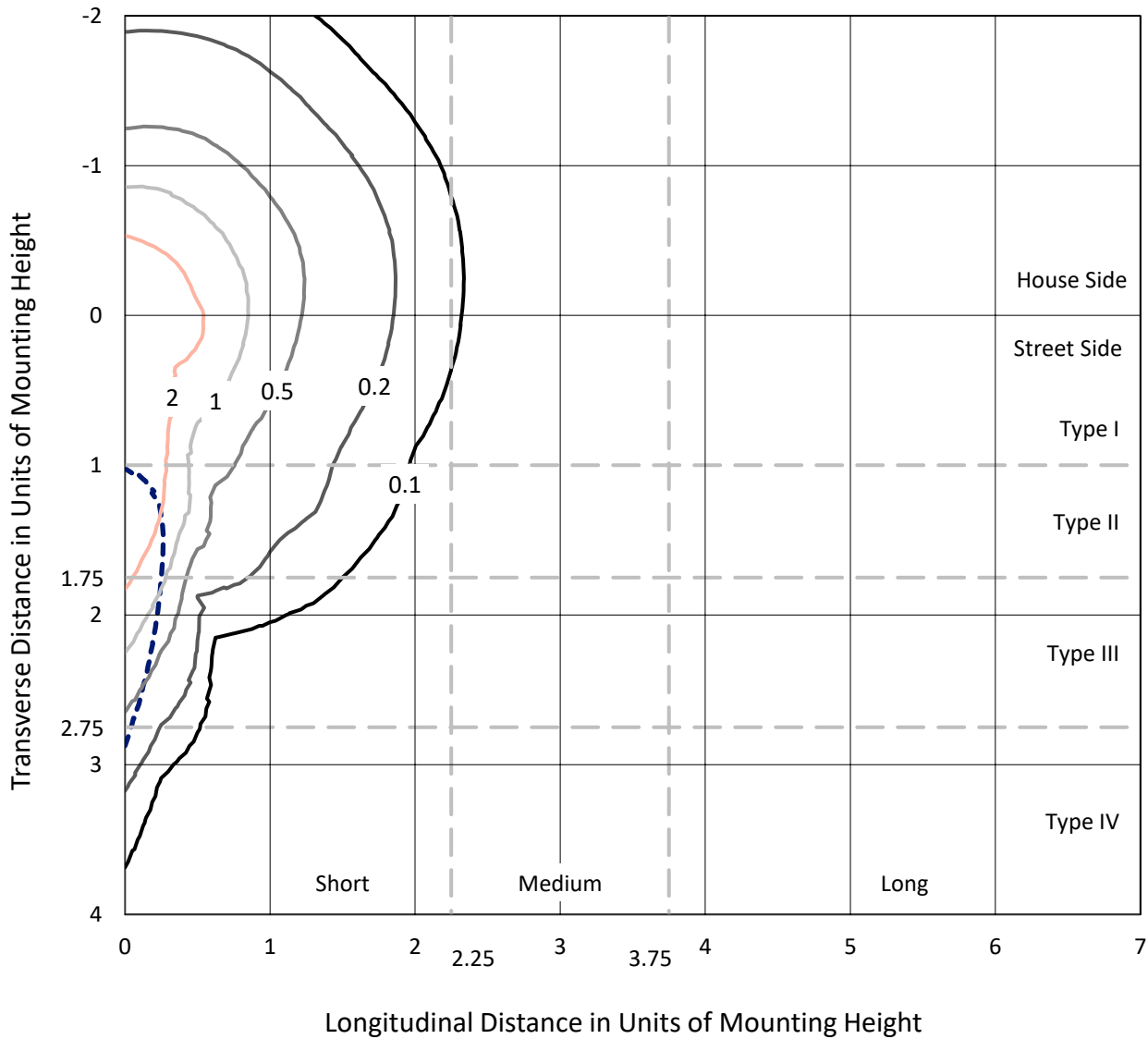
Lumens per Lamp: N/A  
Luminaire Lumens: 17022.8 lumens  
Efficiency: N/A  
Efficacy: 147.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

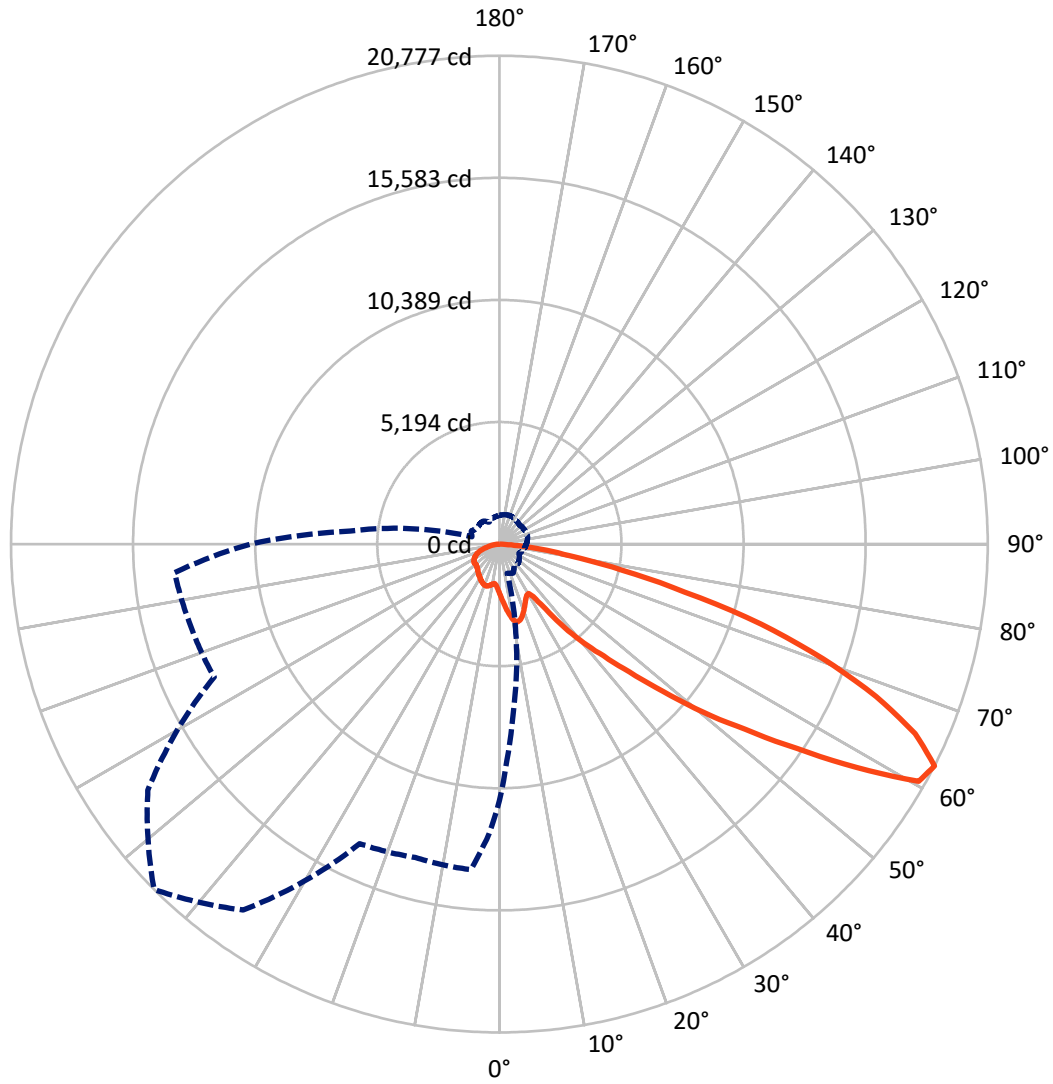
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4070.2	0.0	4070.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	12952.6	0.0	12952.6
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	17022.8	0.0	17022.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.1	1.2
10°-20°	679.5	4.0
20°-30°	1069.7	6.3
30°-40°	1466.3	8.6
40°-50°	2287.9	13.4
50°-60°	3944.7	23.2
60°-70°	4571.4	26.9
70°-80°	2413.0	14.2
80°-90°	381.2	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°	17022.8	100.0
0°-180°	17022.8	100.0

**Coefficient of Utilization**



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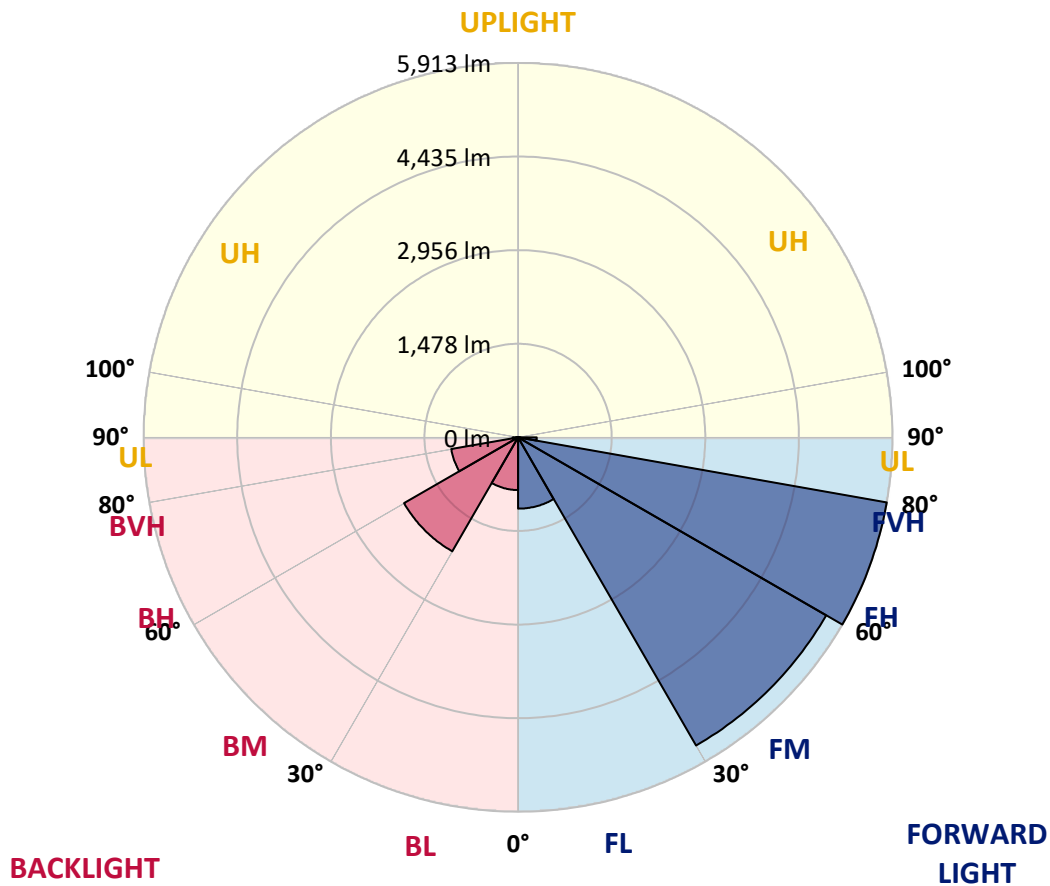
CATALOG NUMBER: GWS-SA5B-750-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1125.9	6.6			
FM (30°-60°)	5619.8	33.0			
FH (60°-80°)	5912.7	34.7			G3/7500
FVH (80°-90°)	294.2	1.7			G3/500
BL (0°-30°)	832.5	4.9	B2/1000		
BM (30°-60°)	2079.0	12.2	B2/2500		
BH (60°-80°)	1071.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	87.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4
2.5°	2306.0	2296.9	2283.8	2239.6	2212.2	2181.0	2148.4	2110.7	2067.7	2037.8	2007.8
5°	2501.3	2487.0	2455.7	2350.3	2277.3	2197.9	2131.5	2056.0	1981.8	1931.0	1880.2
7.5°	2688.8	2670.6	2622.4	2460.9	2342.4	2227.9	2127.6	2018.2	1907.5	1832.0	1772.1
10°	2876.3	2838.5	2777.3	2566.4	2410.2	2277.3	2162.8	2028.6	1881.5	1778.6	1714.8
12.5°	3019.5	2984.4	2918.0	2662.8	2477.9	2311.2	2182.3	2058.6	1933.6	1824.2	1759.1
15°	3153.6	3108.1	3032.5	2752.6	2533.8	2309.9	2143.2	2035.2	2016.9	1989.6	1904.9
17.5°	3250.0	3208.3	3130.2	2825.5	2565.1	2269.5	2035.2	1971.3	2053.4	2136.7	2056.0
20°	3334.6	3286.5	3207.0	2876.3	2571.6	2179.7	1903.6	1904.9	2033.8	2148.4	2128.9
22.5°	3406.2	3352.9	3282.5	2933.6	2569.0	2054.7	1789.1	1867.2	1996.1	2085.9	2088.5
25°	3494.8	3450.5	3391.9	3018.2	2569.0	1927.1	1705.7	1821.6	1932.3	2007.8	2005.2
27.5°	3602.9	3572.9	3524.7	3147.1	2592.4	1820.3	1658.9	1763.0	1850.3	1915.4	1914.1
30°	3723.9	3696.6	3660.1	3283.8	2632.8	1740.9	1632.8	1690.1	1753.9	1806.0	1806.0
32.5°	3847.6	3837.2	3798.2	3393.2	2601.6	1716.1	1610.7	1617.2	1651.0	1694.0	1690.1
35°	4019.5	4009.1	3959.6	3477.9	2466.1	1681.0	1575.5	1543.0	1546.9	1574.2	1583.3
37.5°	4270.8	4255.2	4182.3	3576.8	2261.7	1592.4	1518.2	1464.8	1453.1	1464.8	1481.8
40°	4574.2	4550.8	4451.8	3710.9	2026.0	1472.7	1428.4	1384.1	1364.6	1368.5	1388.0
42.5°	4954.4	4904.9	4763.0	3852.9	1793.0	1367.2	1328.1	1300.8	1278.6	1276.0	1313.8
45°	5571.6	5436.2	5210.9	3979.2	1596.4	1311.2	1238.3	1218.7	1200.5	1210.9	1255.2
47.5°	6649.7	6399.7	5960.9	4087.2	1476.6	1312.5	1166.7	1145.8	1144.5	1165.4	1214.8
50°	8131.5	7770.8	7093.7	4160.1	1414.1	1328.1	1123.7	1089.8	1114.6	1135.4	1182.3
52.5°	9550.8	9000.0	8194.0	4158.8	1386.7	1330.7	1135.4	1037.8	1114.6	1119.8	1164.1
55°	10763.0	9765.6	8490.9	3731.8	1347.7	1320.3	1181.0	997.4	1100.3	1119.8	1154.9
57.5°	11726.5	10252.6	8468.7	3014.3	1466.1	1263.0	1208.3	988.3	1058.6	1122.4	1162.8
60°	11619.8	10029.9	7923.2	1850.3	1454.4	1161.5	1204.4	1005.2	988.3	1087.2	1153.6
62.5°	10910.1	9231.7	6984.4	1283.9	1365.9	1102.9	1140.6	1035.2	923.2	1036.5	1109.4
65°	9916.6	8201.8	5820.3	984.4	1131.5	1105.5	1032.5	1014.3	865.9	955.7	1033.9
67.5°	8602.8	6924.5	4595.0	779.9	789.1	957.0	937.5	901.0	812.5	884.1	954.4
70°	6467.4	5053.4	3161.5	627.6	597.7	799.5	842.4	809.9	760.4	781.2	855.5
72.5°	4557.3	3299.5	1731.8	497.4	460.9	614.6	731.8	726.6	671.9	687.5	760.4
75°	3386.7	2334.6	1082.0	393.2	375.0	440.1	613.3	628.9	583.3	601.6	657.6
77.5°	2253.9	1511.7	601.6	291.7	291.7	321.6	457.0	529.9	496.1	510.4	549.5
80°	1243.5	769.5	300.8	191.4	196.6	221.4	333.3	381.5	382.8	418.0	428.4
82.5°	393.2	244.8	134.1	112.0	105.5	126.3	214.8	273.4	255.2	325.5	299.5
85°	89.8	57.3	24.7	24.7	27.3	41.7	82.0	145.8	186.2	224.0	162.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	57.3	84.6	75.5
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°	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4
2.5°	1989.6	1963.5	1955.7	1933.6	1931.0	1910.2	1902.3	1902.3	1911.5	1911.5	1920.6
5°	1859.4	1826.8	1808.6	1782.5	1776.0	1760.4	1750.0	1751.3	1763.0	1770.8	1786.5
7.5°	1744.8	1722.7	1709.6	1697.9	1695.3	1692.7	1681.0	1679.7	1683.6	1695.3	1707.0
10°	1696.6	1681.0	1684.9	1694.0	1708.3	1716.1	1705.7	1700.5	1696.6	1704.4	1714.8
12.5°	1743.5	1727.9	1735.7	1751.3	1770.8	1778.6	1774.7	1773.4	1777.3	1807.3	1829.4
15°	1846.3	1816.4	1806.0	1812.5	1828.1	1835.9	1832.0	1837.2	1862.0	1940.1	1996.1
17.5°	1974.0	1901.0	1859.4	1847.7	1854.2	1860.7	1860.7	1873.7	1916.7	2031.2	2101.6
20°	2043.0	1947.9	1877.6	1849.0	1851.6	1858.1	1858.1	1876.3	1924.5	2046.9	2092.4
22.5°	2024.7	1937.5	1851.6	1820.3	1821.6	1826.8	1826.8	1842.4	1885.4	1993.5	2014.3
25°	1953.1	1876.3	1791.7	1764.3	1766.9	1776.0	1773.4	1782.5	1815.1	1903.6	1915.4
27.5°	1867.2	1799.5	1716.1	1695.3	1707.0	1725.3	1709.6	1710.9	1740.9	1815.1	1816.4
30°	1774.7	1718.7	1644.5	1628.9	1651.0	1660.2	1645.8	1645.8	1675.8	1726.6	1725.3
32.5°	1674.5	1639.3	1585.9	1569.0	1593.7	1608.1	1589.8	1592.4	1615.9	1649.7	1636.7
35°	1580.7	1562.5	1537.8	1526.0	1541.7	1554.7	1543.0	1548.2	1570.3	1579.4	1561.2
37.5°	1490.9	1488.3	1490.9	1490.9	1494.8	1498.7	1490.9	1503.9	1523.4	1511.7	1490.9
40°	1412.8	1423.2	1447.9	1441.4	1437.5	1441.4	1436.2	1458.3	1477.9	1457.0	1432.3
42.5°	1347.7	1367.2	1404.9	1404.9	1397.1	1399.7	1397.1	1424.5	1438.8	1410.2	1382.8
45°	1291.7	1320.3	1368.5	1375.0	1362.0	1362.0	1367.2	1401.0	1406.2	1367.2	1338.5
47.5°	1252.6	1287.8	1342.4	1354.2	1334.6	1333.3	1347.7	1384.1	1384.1	1338.5	1306.0
50°	1225.3	1264.3	1329.4	1345.0	1325.5	1320.3	1343.7	1378.9	1371.1	1316.4	1283.9
52.5°	1207.0	1247.4	1328.1	1350.3	1337.2	1332.0	1355.5	1380.2	1360.7	1302.1	1268.2
55°	1195.3	1239.6	1332.0	1350.3	1335.9	1326.8	1350.3	1372.4	1362.0	1294.3	1261.7
57.5°	1201.8	1246.1	1326.8	1335.9	1319.0	1303.4	1330.7	1362.0	1358.1	1296.9	1264.3
60°	1191.4	1231.8	1298.2	1300.8	1272.1	1247.4	1287.8	1334.6	1334.6	1287.8	1259.1
62.5°	1143.2	1183.6	1242.2	1244.8	1212.2	1184.9	1231.8	1287.8	1286.5	1248.7	1218.7
65°	1063.8	1101.6	1168.0	1174.5	1141.9	1113.3	1161.5	1213.5	1217.4	1183.6	1157.5
67.5°	976.6	1010.4	1059.9	1085.9	1058.6	1028.6	1072.9	1122.4	1121.1	1080.7	1053.4
70°	872.4	903.6	949.2	971.4	954.4	925.8	966.1	992.2	980.5	960.9	942.7
72.5°	769.5	799.5	842.4	842.4	824.2	796.9	808.6	855.5	869.8	855.5	843.7
75°	661.5	687.5	717.4	724.0	683.6	634.1	688.8	729.2	746.1	739.6	725.3
77.5°	550.8	570.3	614.6	602.9	527.3	501.3	545.6	605.5	617.2	613.3	593.7
80°	424.5	436.2	483.1	459.6	401.0	384.1	403.6	450.5	453.1	440.1	415.4
82.5°	285.2	300.8	332.0	286.5	285.2	269.5	253.9	259.1	282.6	279.9	263.0
85°	145.8	153.6	183.6	171.9	147.1	127.6	121.1	128.9	115.9	105.5	91.1
87.5°	61.2	66.4	91.1	50.8	15.6	0.0	0.0	7.8	11.7	16.9	18.2
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°	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4
2.5°	1941.4	1955.7	1990.9	2035.2	2078.1	2122.4	2170.6	2200.5	2237.0	2283.8	2285.2
5°	1806.0	1838.5	1889.3	1957.0	2027.3	2108.1	2201.8	2279.9	2373.7	2447.9	2477.9
7.5°	1722.7	1769.5	1833.3	1919.3	2011.7	2112.0	2234.4	2365.9	2519.5	2618.5	2677.1
10°	1730.5	1802.1	1865.9	1938.8	2022.1	2130.2	2287.8	2462.2	2651.0	2781.2	2854.2
12.5°	1869.8	1945.3	1933.6	1929.7	1985.7	2117.2	2330.7	2559.9	2790.4	2920.6	3007.8
15°	2045.6	2074.2	1963.5	1880.2	1914.1	2070.3	2354.2	2647.1	2906.2	3065.1	3151.0
17.5°	2135.4	2078.1	1944.0	1819.0	1809.9	1998.7	2365.9	2735.7	3036.5	3195.3	3286.5
20°	2093.7	2010.4	1897.1	1778.6	1713.5	1901.0	2359.4	2806.0	3154.9	3332.0	3406.2
22.5°	2003.9	1931.0	1842.4	1729.2	1635.4	1794.3	2342.4	2876.3	3260.4	3438.8	3503.9
25°	1906.2	1851.6	1778.6	1679.7	1591.1	1700.5	2330.7	2970.0	3381.5	3552.1	3593.7
27.5°	1808.6	1768.2	1708.3	1631.5	1580.7	1635.4	2334.6	3092.4	3537.8	3699.2	3682.3
30°	1712.2	1677.1	1635.4	1601.6	1579.4	1619.8	2324.2	3222.6	3709.6	3859.4	3759.1
32.5°	1621.1	1588.5	1562.5	1567.7	1580.7	1626.3	2270.8	3341.1	3867.2	3994.8	3842.4
35°	1543.0	1509.1	1509.1	1527.3	1575.5	1604.2	2132.8	3433.6	4041.7	4169.3	3960.9
37.5°	1470.0	1440.1	1459.6	1489.6	1535.2	1544.3	1955.7	3523.4	4295.6	4415.4	4144.5
40°	1406.2	1376.3	1411.5	1449.2	1472.7	1468.7	1776.0	3648.4	4595.0	4718.7	4388.0
42.5°	1355.5	1328.1	1359.4	1407.5	1411.5	1415.4	1644.5	3768.2	4942.7	5100.2	4807.3
45°	1313.8	1294.3	1309.9	1358.1	1358.1	1418.0	1562.5	3868.5	5466.1	5744.8	5576.8
47.5°	1281.2	1269.5	1277.3	1293.0	1319.0	1464.8	1510.4	3945.3	6419.3	6966.1	6796.9
50°	1263.0	1251.3	1261.7	1229.2	1307.3	1488.3	1493.5	4003.9	7675.8	8532.5	8322.9
52.5°	1247.4	1243.5	1250.0	1174.5	1333.3	1472.7	1480.5	3925.8	8518.2	10074.2	10281.2
55°	1242.2	1244.8	1213.5	1134.1	1364.6	1420.6	1441.4	3367.2	8747.4	11403.6	12688.8
57.5°	1244.8	1237.0	1157.5	1138.0	1365.9	1316.4	1497.4	2402.3	8414.0	11981.7	15044.2
60°	1235.7	1196.6	1089.8	1173.2	1306.0	1194.0	1457.0	1566.4	7535.1	11537.7	15181.0
62.5°	1195.3	1138.0	1031.2	1192.7	1199.2	1121.1	1322.9	1207.0	6363.3	10587.2	13863.2
65°	1136.7	1059.9	981.8	1152.3	1091.1	1087.2	994.8	967.4	5117.2	9455.7	12613.3
67.5°	1040.4	963.5	945.3	1059.9	981.8	963.5	799.5	802.1	4083.3	8250.0	11356.7
70°	931.0	854.2	868.5	958.3	873.7	800.8	647.1	668.0	3097.6	6873.7	9662.7
72.5°	859.4	756.5	757.8	843.7	768.2	648.4	532.6	550.8	1966.1	5181.0	7682.3
75°	725.3	666.7	638.0	683.6	652.3	505.2	447.9	444.0	1165.4	3713.5	5752.6
77.5°	605.5	559.9	545.6	563.8	487.0	373.7	360.7	354.2	660.2	2378.9	3769.5
80°	438.8	427.1	425.8	434.9	375.0	274.7	274.7	276.0	355.5	1291.7	2125.0
82.5°	278.6	304.7	269.5	299.5	255.2	195.3	182.3	207.0	204.4	550.8	895.8
85°	115.9	158.9	148.4	157.6	121.1	106.8	114.6	123.7	118.5	212.2	349.0
87.5°	22.1	26.0	28.6	27.3	27.3	33.9	37.8	45.6	45.6	61.2	105.5
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: P639307

CATALOG NUMBER: GWS-SA5B-750-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4	2122.4
2.5°	2334.6	2372.4	2364.6	2381.5	2359.4	2367.2	2322.9	2311.2	2303.4	2306.0
5°	2574.2	2651.0	2665.4	2694.0	2674.5	2674.5	2596.3	2537.8	2516.9	2501.3
7.5°	2817.7	2928.4	3001.3	3009.1	2998.7	2977.9	2864.6	2759.1	2721.3	2688.8
10°	3033.8	3166.7	3248.7	3287.8	3268.2	3235.7	3095.0	2950.5	2904.9	2876.3
12.5°	3199.2	3316.4	3371.1	3397.1	3394.5	3382.8	3268.2	3112.0	3063.8	3019.5
15°	3306.0	3364.6	3343.7	3342.4	3360.7	3407.5	3372.4	3250.0	3194.0	3153.6
17.5°	3375.0	3319.0	3226.6	3183.6	3222.6	3333.3	3414.1	3345.0	3294.3	3250.0
20°	3399.7	3200.5	3066.4	2987.0	3032.5	3192.7	3391.9	3414.1	3371.1	3334.6
22.5°	3371.1	3056.0	2873.7	2779.9	2824.2	3015.6	3326.8	3470.0	3441.4	3406.2
25°	3300.8	2904.9	2686.2	2601.6	2649.7	2845.0	3210.9	3522.1	3523.4	3494.8
27.5°	3213.5	2765.6	2554.7	2475.3	2522.1	2704.4	3097.6	3567.7	3613.3	3602.9
30°	3125.0	2682.3	2492.2	2436.2	2471.3	2632.8	2981.8	3614.6	3705.7	3723.9
32.5°	3084.6	2722.6	2639.3	2664.1	2618.5	2674.5	2940.1	3681.0	3817.7	3847.6
35°	3138.0	3080.7	3291.7	3389.3	3227.9	3015.6	2993.5	3781.2	3975.3	4019.5
37.5°	3397.1	3847.6	4162.8	4506.5	4226.6	3759.1	3257.8	3951.8	4200.5	4270.8
40°	3960.9	4516.9	5085.9	5529.9	5106.8	4477.9	3760.4	4205.7	4510.4	4574.2
42.5°	4492.2	5144.5	5928.4	6502.6	5953.1	5065.1	4302.1	4632.8	4919.3	4954.4
45°	5013.0	5760.4	6947.9	7746.1	7000.0	5623.7	4855.5	5354.2	5570.3	5571.6
47.5°	5623.7	6454.4	8226.5	9363.3	8389.3	6242.2	5375.0	6496.1	6796.9	6649.7
50°	6354.2	7144.5	9542.9	11244.8	10083.3	7002.6	6035.1	7888.0	8298.2	8131.5
52.5°	7332.0	7904.9	10993.5	13079.4	11929.7	7868.5	6992.2	9726.5	9862.0	9550.8
55°	8708.3	9002.6	12855.4	15345.0	13990.9	8934.9	8391.9	12033.8	11654.9	10763.0
57.5°	11842.4	10739.6	15246.1	17929.6	16322.9	10872.4	11459.6	14578.1	13230.4	11726.5
60°	14464.8	12848.9	17458.3	20494.7	18321.6	13007.8	14339.8	15020.8	13171.8	11619.8
62.5°	13580.7	13386.7	18256.5	20777.3	19003.9	14058.6	13804.7	13904.9	12312.5	10910.1
65°	11915.3	12348.9	17544.2	19437.5	18247.4	13117.2	12486.9	12873.7	11329.4	9916.6
67.5°	10932.3	11251.3	16277.3	17292.9	16872.4	12098.9	11462.2	11182.3	9803.4	8602.8
70°	9927.1	10191.4	14498.7	14601.5	14727.8	10406.2	9372.4	8539.0	7307.3	6467.4
72.5°	8578.1	8592.4	12250.0	11653.6	11893.2	8143.2	7544.3	6384.1	5319.0	4557.3
75°	7196.6	6803.4	9696.6	8145.8	8626.3	6334.6	6264.3	4811.2	4011.7	3386.7
77.5°	5487.0	5027.3	7083.3	5356.8	6058.6	4218.7	4709.6	3263.0	2822.9	2253.9
80°	3683.6	3397.1	3914.1	3023.4	3963.5	2907.5	3071.6	1849.0	1602.9	1243.5
82.5°	1942.7	1658.9	2419.3	1793.0	2390.6	1597.7	1152.3	571.6	487.0	393.2
85°	752.6	871.1	1186.2	638.0	927.1	570.3	333.3	141.9	118.5	89.8
87.5°	145.8	225.3	123.7	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

(END OF REPORT)