

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: P637551

Luminaire Tested: GWS-SA4D-722-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4D-722-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

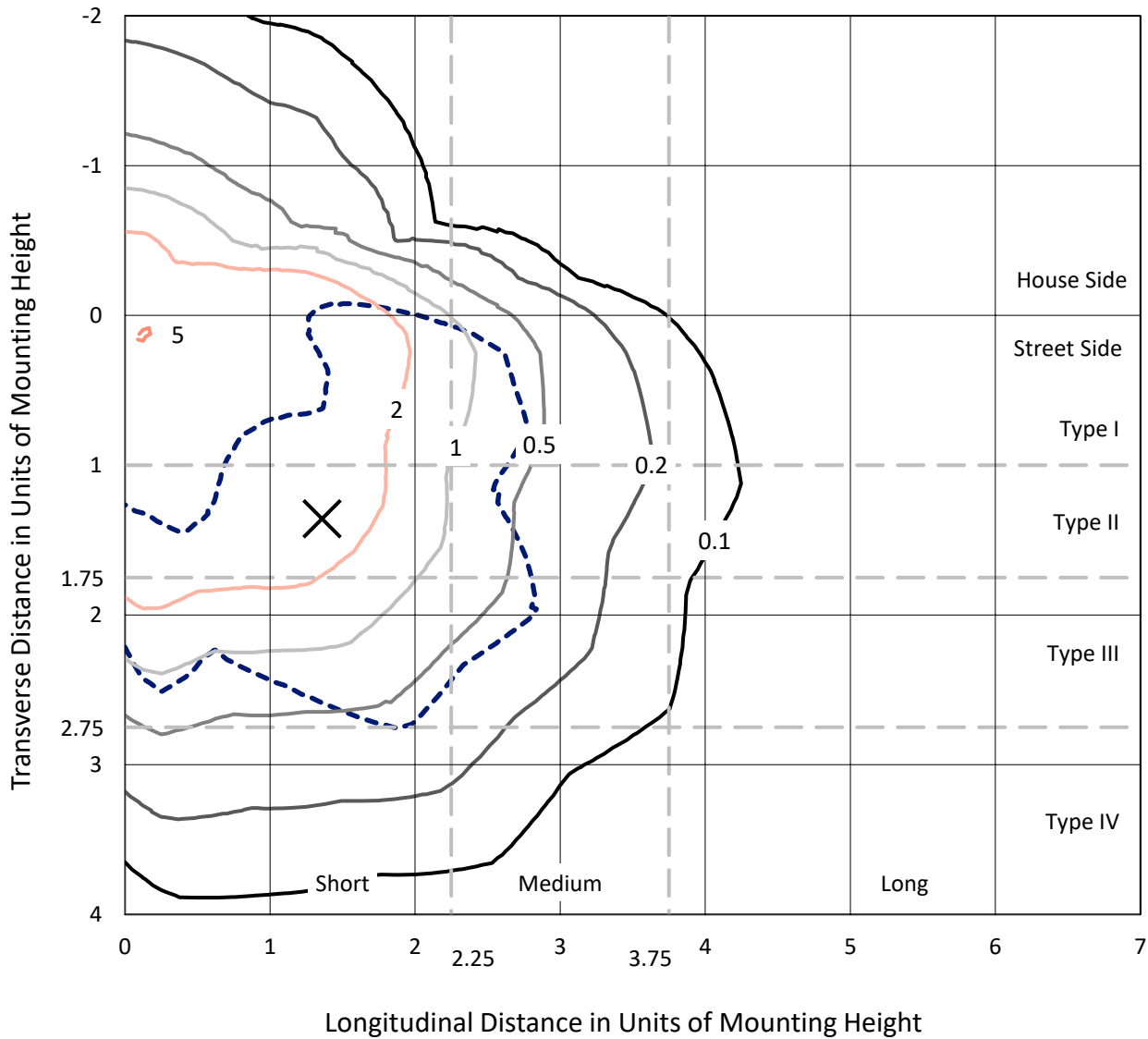
Lumens per Lamp: N/A  
Luminaire Lumens: 17079.6 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P637551  
 CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

### Iso-Footcandle Lines of Horizontal Illumination

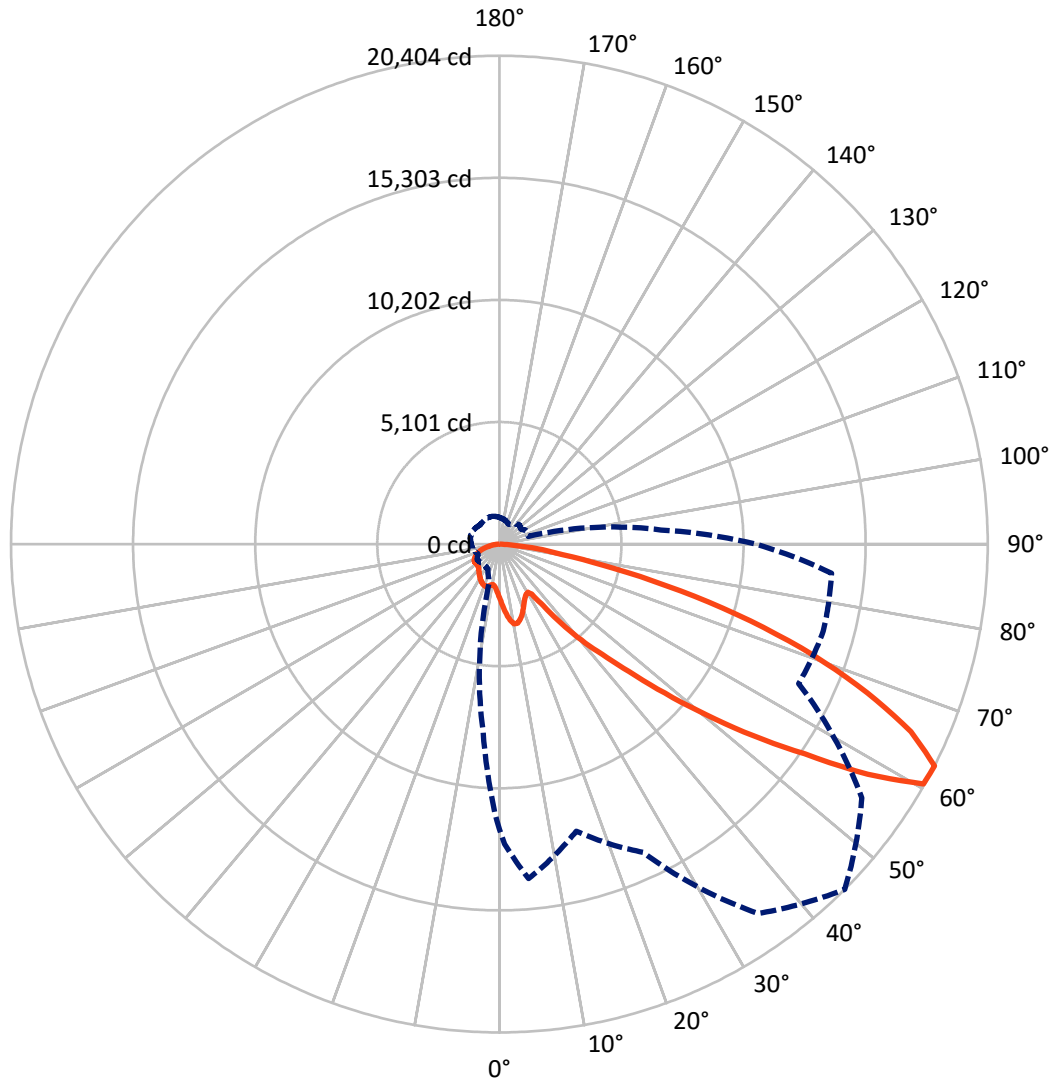
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P637551  
CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P637551

CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

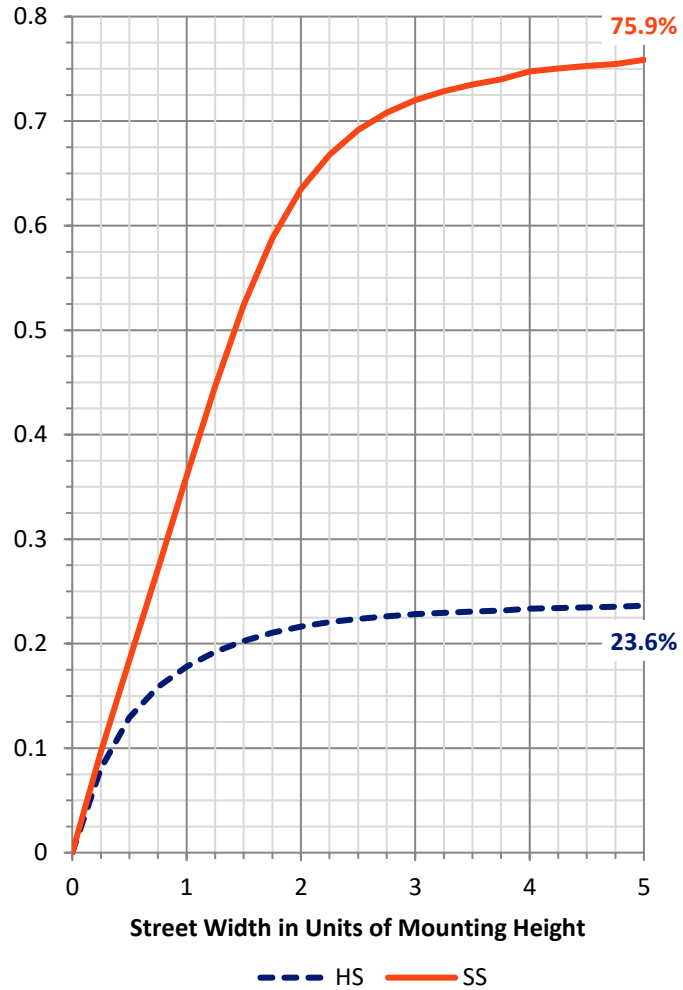
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4075.5	0.0	4075.5
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	13004.1	0.0	13004.1
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	17079.6	0.0	17079.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.4	1.3
10°-20°	694.0	4.1
20°-30°	1077.9	6.3
30°-40°	1463.6	8.6
40°-50°	2319.6	13.6
50°-60°	4091.8	24.0
60°-70°	4552.7	26.7
70°-80°	2309.0	13.5
80°-90°	349.6	2.0
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°	17079.6	100.0
0°-180°	17079.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637551

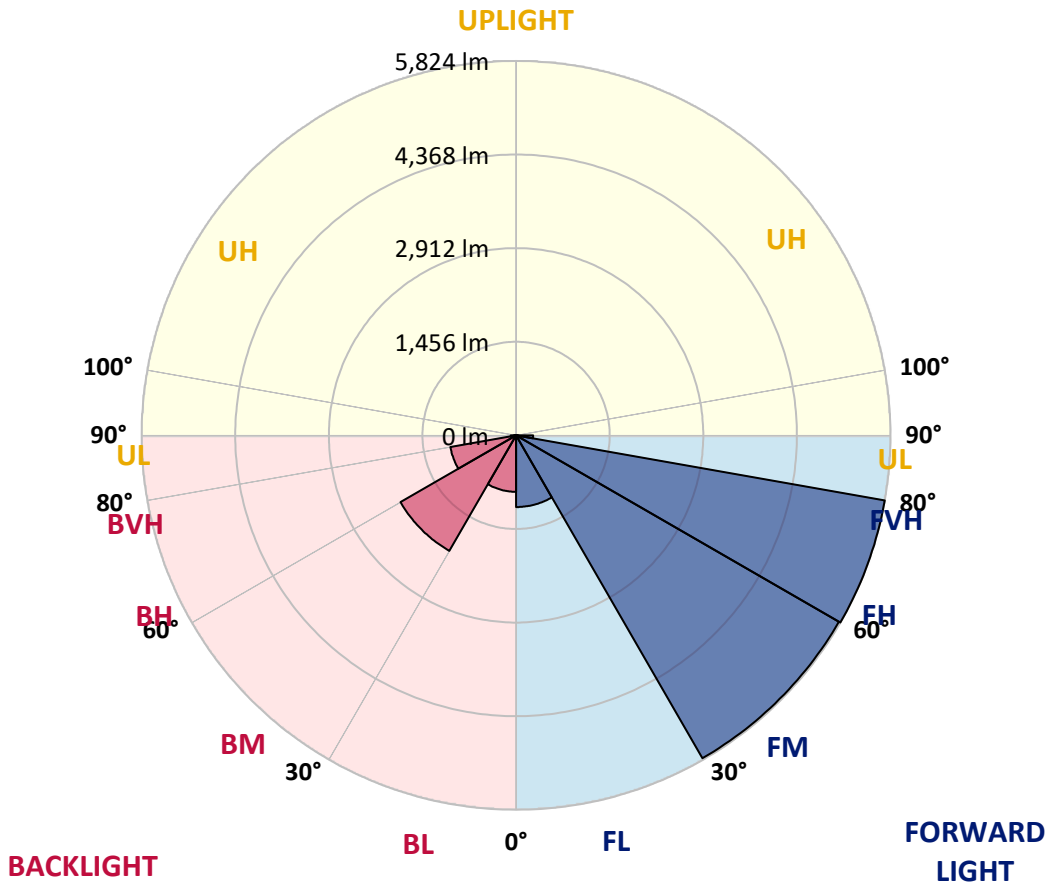
CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1115.2	6.5			
FM (30°-60°)	5799.3	34.0			
FH (60°-80°)	5824.3	34.1			G3/7500
FVH (80°-90°)	265.4	1.6			G3/500
BL (0°-30°)	878.2	5.1	B2/1000		
BM (30°-60°)	2075.7	12.2	B2/2500		
BH (60°-80°)	1037.4	6.1	B3/2500		G3/2500
BVH (80°-90°)	84.3	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





REPORT NUMBER: P637551  
 CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8
2.5°	2436.2	2434.9	2459.5	2497.0	2531.9	2547.4	2573.3	2570.7	2550.0	2522.8	2513.8
5°	2627.6	2632.8	2675.4	2758.2	2850.0	2888.8	2905.6	2899.1	2861.6	2813.8	2729.7
7.5°	2800.9	2809.9	2875.9	3000.0	3113.8	3165.5	3206.9	3199.1	3144.8	3055.6	2931.5
10°	2927.6	2937.9	3016.8	3162.9	3289.7	3334.9	3387.9	3390.5	3342.7	3222.4	3095.7
12.5°	3054.3	3064.7	3138.4	3271.6	3354.3	3355.6	3386.6	3403.5	3406.0	3350.4	3223.7
15°	3186.2	3195.3	3262.5	3337.5	3333.6	3261.2	3261.2	3293.5	3364.7	3404.7	3316.8
17.5°	3298.7	3310.3	3362.1	3337.5	3222.4	3091.8	3076.3	3117.7	3241.8	3395.7	3386.6
20°	3391.8	3400.9	3429.3	3266.4	3056.9	2886.2	2856.5	2904.3	3072.4	3340.1	3439.7
22.5°	3481.0	3486.2	3470.7	3173.3	2878.4	2683.2	2647.0	2697.4	2878.4	3241.8	3484.9
25°	3587.1	3581.9	3508.2	3076.3	2715.5	2522.8	2485.3	2542.2	2731.0	3111.2	3534.1
27.5°	3709.9	3690.5	3540.5	2971.6	2590.1	2403.9	2378.0	2438.8	2614.7	2991.0	3572.8
30°	3814.7	3777.2	3545.7	2878.4	2525.4	2353.4	2337.9	2394.8	2557.8	2909.5	3622.0
32.5°	3931.0	3879.3	3575.4	2853.9	2561.6	2475.0	2495.7	2499.6	2573.3	2886.2	3695.7
35°	4097.8	4030.6	3656.9	2925.0	2934.1	3080.2	3155.2	3054.3	2807.3	2937.9	3835.3
37.5°	4350.0	4264.7	3822.4	3232.8	3703.5	4030.6	4211.6	3981.5	3518.5	3133.2	4046.1
40°	4656.5	4547.8	4034.5	3801.7	4422.4	4946.1	5268.1	4930.6	4250.4	3620.7	4342.2
42.5°	5084.5	4970.7	4445.7	4360.3	5088.4	5868.1	6288.4	5785.3	4895.7	4250.4	4816.8
45°	5830.6	5720.7	5199.6	4920.3	5868.1	7003.5	7593.1	6893.5	5551.3	4882.8	5703.9
47.5°	7209.1	7079.7	6319.4	5541.0	6757.8	8477.6	9302.6	8283.6	6232.8	5606.9	7193.5
50°	8864.2	8740.1	7725.0	6275.4	7740.5	10053.9	11200.9	9916.8	7017.7	6487.5	8974.1
52.5°	10855.6	10832.3	9730.6	7203.9	8763.4	11734.9	13307.3	11725.9	7877.6	7673.3	10991.4
55°	12650.4	12878.0	12278.0	8619.8	10084.9	13846.6	15473.3	13699.1	9044.0	9633.6	13353.9
57.5°	13617.7	14229.3	15151.3	11508.6	12006.5	16370.7	18146.1	16108.2	11048.3	12897.4	15544.4
60°	12978.9	13672.0	15342.7	13683.6	13912.5	18393.1	20352.2	18133.2	13016.4	15162.9	15420.3
62.5°	11916.0	12537.9	14023.7	12413.8	14207.3	18837.9	20403.9	18486.2	13798.7	14013.4	13929.3
65°	10655.2	11282.3	12856.0	10836.2	13269.8	17781.5	18898.7	17447.9	12393.1	12660.8	12691.8
67.5°	8980.6	9559.9	11162.1	9634.9	12095.7	16231.0	16587.9	15968.5	11412.9	11839.7	11393.5
70°	6709.9	7232.3	8647.0	7829.7	10196.1	14211.2	13922.9	14014.7	10312.5	10736.6	9517.2
72.5°	4585.3	4978.5	6191.4	6152.6	7807.8	11376.7	10974.6	11844.8	8613.4	9175.9	7255.6
75°	3206.9	3513.4	4475.4	4860.8	5901.7	8432.3	7815.5	8865.5	6726.7	7529.7	5294.0
77.5°	1968.1	2171.1	2826.7	3601.3	3796.6	5771.1	4854.3	6671.1	4723.7	5491.8	3531.5
80°	984.1	1082.3	1373.3	2264.2	2517.7	3400.9	2680.6	3872.8	3196.6	3400.9	1953.9
82.5°	297.4	328.4	402.2	859.9	1304.7	1957.8	1584.1	2250.0	1745.7	1594.4	769.4
85°	78.9	89.2	111.2	254.7	457.8	702.2	535.3	1090.1	836.6	588.4	289.7
87.5°	6.5	6.5	5.2	5.2	2.6	0.0	0.0	77.6	156.5	89.2	50.4
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: P637551  
 CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8
2.5°	2468.5	2463.4	2410.3	2371.6	2326.3	2282.3	2237.1	2197.0	2151.7	2106.5	2093.5
5°	2667.7	2631.5	2519.0	2424.6	2331.5	2250.0	2178.9	2105.2	2045.7	1987.5	1965.5
7.5°	2843.5	2780.2	2617.2	2473.7	2344.4	2243.5	2138.8	2031.5	1947.4	1864.7	1844.0
10°	3002.6	2918.5	2712.9	2531.9	2388.4	2273.3	2150.4	2006.9	1885.3	1784.5	1757.3
12.5°	3120.3	3028.5	2795.7	2587.5	2424.6	2295.3	2173.7	2047.0	1919.0	1788.4	1758.6
15°	3213.4	3117.7	2864.2	2630.2	2425.9	2259.1	2141.4	2097.4	2057.3	1929.3	1875.0
17.5°	3288.4	3187.5	2923.7	2656.0	2390.9	2149.1	2047.0	2111.6	2213.8	2133.6	2031.5
20°	3356.9	3254.7	2969.0	2674.1	2313.4	1997.8	1940.9	2078.0	2231.9	2229.3	2137.5
22.5°	3431.9	3332.3	3034.9	2684.5	2204.7	1844.0	1877.6	2028.9	2154.3	2191.8	2134.9
25°	3527.6	3439.7	3126.7	2707.8	2081.9	1737.9	1831.0	1965.5	2070.3	2079.3	2045.7
27.5°	3638.8	3572.8	3263.8	2762.1	1962.9	1683.6	1776.7	1876.3	1972.0	1975.9	1935.8
30°	3760.3	3716.4	3390.5	2807.3	1873.7	1666.8	1706.9	1787.1	1847.8	1858.2	1823.3
32.5°	3915.5	3876.7	3503.0	2777.6	1820.7	1662.9	1642.2	1683.6	1734.1	1734.1	1706.9
35°	4128.9	4074.6	3622.0	2663.8	1756.0	1647.4	1573.7	1585.3	1607.3	1611.2	1595.7
37.5°	4431.5	4342.2	3742.2	2438.8	1650.0	1591.8	1494.8	1480.6	1488.4	1498.7	1494.8
40°	4806.5	4660.3	3918.1	2168.5	1523.3	1484.5	1413.4	1386.2	1379.7	1400.4	1408.2
42.5°	5278.5	5054.7	4106.9	1916.4	1408.2	1361.6	1317.7	1294.4	1284.1	1319.0	1339.7
45°	6032.3	5663.8	4287.9	1666.8	1343.5	1256.9	1227.2	1210.3	1215.5	1256.9	1282.8
47.5°	7334.5	6593.5	4459.9	1509.1	1338.4	1181.9	1145.7	1149.6	1163.8	1207.8	1238.8
50°	8981.9	7838.8	4575.0	1443.1	1353.9	1136.6	1088.8	1109.5	1131.5	1174.1	1210.3
52.5°	10659.1	8998.7	4437.9	1406.9	1352.6	1137.9	1035.8	1097.8	1108.2	1150.9	1189.7
55°	11812.5	9128.0	3834.1	1351.3	1331.9	1189.7	994.4	1092.7	1099.1	1137.9	1172.8
57.5°	12252.2	8685.8	2923.7	1366.8	1269.8	1229.7	976.3	1056.5	1103.0	1136.6	1172.8
60°	11720.7	7851.7	1776.7	1406.9	1170.3	1227.2	987.9	990.5	1070.7	1127.6	1163.8
62.5°	10718.5	6781.0	1247.8	1293.1	1097.8	1158.6	1015.1	912.9	1013.8	1082.3	1114.7
65°	9570.3	5521.6	951.7	1113.4	1062.9	1052.6	1024.1	844.4	936.2	1003.4	1031.9
67.5°	8374.1	4291.8	773.3	830.2	960.8	951.7	936.2	783.6	844.4	892.2	924.6
70°	6867.7	3002.6	653.0	623.3	823.7	853.4	818.5	707.3	726.7	775.9	801.7
72.5°	5023.7	1871.1	536.6	514.7	662.1	746.1	728.0	623.3	632.3	678.9	699.6
75°	3612.9	1070.7	430.6	424.1	505.6	638.8	602.6	536.6	547.0	581.9	596.1
77.5°	2296.6	596.1	332.3	341.4	362.1	477.2	514.7	459.1	459.1	479.7	491.4
80°	1229.7	341.4	243.1	247.0	253.4	364.7	406.0	355.6	355.6	341.4	355.6
82.5°	501.7	196.6	166.8	155.2	169.4	249.6	284.5	226.3	236.6	213.4	218.5
85°	165.5	98.3	82.8	81.5	80.2	109.9	137.1	112.5	134.5	85.3	89.2
87.5°	22.0	18.1	10.3	7.8	9.1	3.9	7.8	9.1	9.1	6.5	6.5
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: P637551  
 CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8
2.5°	2084.5	2074.1	2036.6	2045.7	2039.2	2028.9	2039.2	2019.8	2035.3	2040.5	2072.8
5°	1948.7	1924.1	1887.9	1869.8	1865.9	1855.6	1856.9	1847.8	1850.4	1872.4	1908.6
7.5°	1827.2	1803.9	1775.4	1762.5	1750.9	1739.2	1737.9	1736.6	1747.0	1766.4	1801.3
10°	1739.2	1726.3	1714.7	1719.8	1714.7	1709.5	1700.4	1700.4	1717.2	1752.2	1794.8
12.5°	1739.2	1736.6	1739.2	1754.7	1753.4	1754.7	1743.1	1749.6	1796.1	1855.6	1916.4
15°	1832.3	1811.6	1811.6	1819.4	1816.8	1816.8	1816.8	1844.0	1950.0	2041.8	2106.5
17.5°	1946.1	1885.3	1859.5	1855.6	1854.3	1854.3	1859.5	1917.7	2083.2	2180.2	2217.7
20°	2025.0	1909.9	1867.2	1850.4	1851.7	1854.3	1869.8	1950.0	2132.3	2181.5	2172.4
22.5°	2039.2	1890.5	1838.8	1814.2	1818.1	1820.7	1844.0	1929.3	2065.1	2072.8	2054.7
25°	1973.3	1836.2	1780.6	1761.2	1766.4	1765.1	1785.8	1847.8	1944.8	1942.2	1931.9
27.5°	1875.0	1749.6	1708.2	1695.3	1704.3	1694.0	1700.4	1748.3	1823.3	1820.7	1816.8
30°	1774.1	1665.5	1628.0	1621.6	1633.2	1617.7	1619.0	1659.1	1710.8	1708.2	1706.9
32.5°	1673.3	1581.5	1547.8	1547.8	1559.5	1542.7	1545.3	1580.2	1615.1	1604.7	1604.7
35°	1577.6	1512.9	1485.8	1480.6	1489.7	1478.0	1483.2	1515.5	1528.4	1514.2	1505.2
37.5°	1493.5	1465.1	1437.9	1419.8	1421.1	1422.4	1437.9	1462.5	1454.7	1434.1	1422.4
40°	1415.9	1415.9	1390.1	1356.5	1352.6	1361.6	1387.5	1414.7	1392.7	1369.4	1355.2
42.5°	1360.3	1372.0	1347.4	1313.8	1306.0	1321.6	1350.0	1369.4	1343.5	1317.7	1298.3
45°	1308.6	1337.1	1320.3	1282.8	1272.4	1290.5	1326.7	1334.5	1299.6	1275.0	1260.8
47.5°	1272.4	1311.2	1299.6	1263.4	1247.8	1273.7	1311.2	1309.9	1265.9	1240.1	1228.4
50°	1246.6	1295.7	1294.4	1263.4	1246.6	1278.9	1312.5	1295.7	1247.8	1220.7	1209.1
52.5°	1225.9	1294.4	1303.4	1285.3	1273.7	1302.2	1322.8	1290.5	1234.9	1206.5	1197.4
55°	1216.8	1299.6	1306.0	1289.2	1278.9	1304.7	1322.8	1300.9	1234.9	1209.1	1201.3
57.5°	1219.4	1293.1	1294.4	1271.1	1253.0	1285.3	1313.8	1307.3	1249.1	1219.4	1210.3
60°	1203.9	1258.2	1260.8	1224.6	1203.9	1242.7	1293.1	1289.2	1242.7	1211.6	1194.8
62.5°	1152.2	1200.0	1201.3	1167.7	1137.9	1193.5	1249.1	1247.8	1205.2	1174.1	1154.7
65°	1065.5	1115.9	1128.9	1096.6	1073.3	1132.8	1190.9	1188.4	1145.7	1117.2	1097.8
67.5°	958.2	1012.5	1037.1	1015.1	1006.0	1060.3	1114.7	1113.4	1078.4	1051.3	1034.5
70°	827.6	872.8	914.2	914.2	907.8	969.8	1028.0	1022.8	990.5	969.8	956.9
72.5°	719.0	753.9	766.8	779.7	799.1	863.8	912.9	916.8	893.5	883.2	893.5
75°	611.6	633.6	645.3	634.9	668.5	735.8	800.4	806.9	782.3	765.5	769.4
77.5°	503.0	527.6	539.2	515.9	513.4	598.7	677.6	691.8	671.1	645.3	653.0
80°	363.4	395.7	415.1	399.6	394.4	431.9	540.5	556.0	536.6	515.9	527.6
82.5°	222.4	240.5	245.7	261.2	293.5	309.1	347.8	399.6	385.3	367.2	399.6
85°	87.9	104.7	116.4	131.9	153.9	182.3	214.7	256.0	232.8	225.0	265.1
87.5°	5.2	1.3	0.0	2.6	22.0	42.7	91.8	126.7	106.0	113.8	137.1
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: P637551  
 CATALOG NUMBER: GWS-SA4D-722-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8	2266.8
2.5°	2098.7	2132.3	2177.6	2215.1	2262.9	2308.2	2354.7	2401.3	2425.9	2436.2
5°	1950.0	2012.1	2084.5	2164.7	2257.8	2356.0	2455.6	2557.8	2622.4	2627.6
7.5°	1860.8	1950.0	2049.6	2150.4	2265.5	2401.3	2559.1	2716.8	2782.8	2800.9
10°	1889.2	1988.8	2067.7	2162.1	2288.8	2458.2	2644.4	2829.3	2905.6	2927.6
12.5°	2003.0	2022.4	2047.0	2133.6	2288.8	2507.3	2732.3	2952.2	3033.6	3054.3
15°	2097.4	2004.3	1960.3	2052.2	2257.8	2550.0	2825.4	3068.5	3166.8	3186.2
17.5°	2105.2	1944.8	1849.1	1931.9	2203.4	2579.7	2914.7	3197.8	3280.6	3298.7
20°	2026.3	1881.5	1757.3	1807.8	2129.7	2592.7	2979.3	3292.2	3373.7	3391.8
22.5°	1937.1	1829.7	1695.3	1692.7	2040.5	2606.9	3056.9	3381.5	3469.4	3481.0
25°	1853.0	1758.6	1644.8	1608.6	1937.1	2634.1	3161.6	3516.0	3583.2	3587.1
27.5°	1754.7	1682.3	1604.7	1569.8	1846.6	2685.8	3316.8	3676.3	3716.4	3709.9
30°	1665.5	1611.2	1576.3	1565.9	1789.7	2724.6	3464.2	3834.1	3836.6	3814.7
32.5°	1571.1	1550.4	1550.4	1584.1	1743.1	2715.5	3584.5	3987.9	3963.4	3931.0
35°	1487.1	1490.9	1518.1	1597.0	1665.5	2625.0	3699.6	4180.6	4144.4	4097.8
37.5°	1406.9	1436.6	1475.4	1551.7	1563.4	2490.5	3834.1	4453.5	4408.2	4350.0
40°	1338.4	1383.6	1428.9	1466.4	1454.7	2299.1	4021.6	4774.1	4723.7	4656.5
42.5°	1284.1	1328.0	1378.4	1382.3	1386.2	2100.0	4220.7	5167.2	5158.2	5084.5
45°	1249.1	1277.6	1325.4	1319.0	1382.3	1880.2	4404.3	5767.2	5886.2	5830.6
47.5°	1225.9	1247.8	1253.0	1280.2	1415.9	1683.6	4641.0	6941.4	7272.4	7209.1
50°	1212.9	1234.9	1176.7	1282.8	1421.1	1556.9	4968.1	8415.5	8948.3	8864.2
52.5°	1211.6	1206.5	1118.5	1309.9	1392.7	1479.3	5138.8	9491.4	10673.3	10855.6
55°	1214.2	1149.6	1088.8	1317.7	1335.8	1450.9	4567.2	10008.6	12265.1	12650.4
57.5°	1190.9	1087.5	1105.6	1286.6	1228.4	1527.2	3376.3	9823.7	12901.3	13617.7
60°	1147.0	1028.0	1136.6	1202.6	1118.5	1396.6	2325.0	8998.7	12241.8	12978.9
62.5°	1083.6	986.6	1132.8	1094.0	1078.4	1143.1	1598.3	7844.0	11195.7	11916.0
65°	1012.5	953.0	1072.0	989.2	998.3	879.3	1130.2	6540.5	9946.6	10655.2
67.5°	936.2	932.3	982.8	880.6	843.1	697.0	823.7	5242.2	8341.8	8980.6
70°	849.6	878.0	893.5	782.3	684.1	547.0	611.6	3666.0	6153.9	6709.9
72.5°	762.9	765.5	787.5	680.2	512.1	438.4	459.1	2220.3	4180.6	4585.3
75°	675.0	650.4	671.1	553.4	381.5	359.5	354.3	1372.0	2887.5	3206.9
77.5°	580.6	553.4	526.3	416.4	306.5	278.0	271.6	769.4	1771.6	1968.1
80°	472.0	435.8	393.1	305.2	223.7	199.1	197.8	375.0	883.2	984.1
82.5°	367.2	298.7	287.1	190.1	138.4	121.6	129.3	143.5	266.4	297.4
85°	257.3	217.2	152.6	76.3	62.1	50.4	49.1	42.7	71.1	78.9
87.5°	143.5	94.4	49.1	9.1	10.3	11.6	9.1	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)