

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: P642989

Luminaire Tested: GWS-SA6E-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-722-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

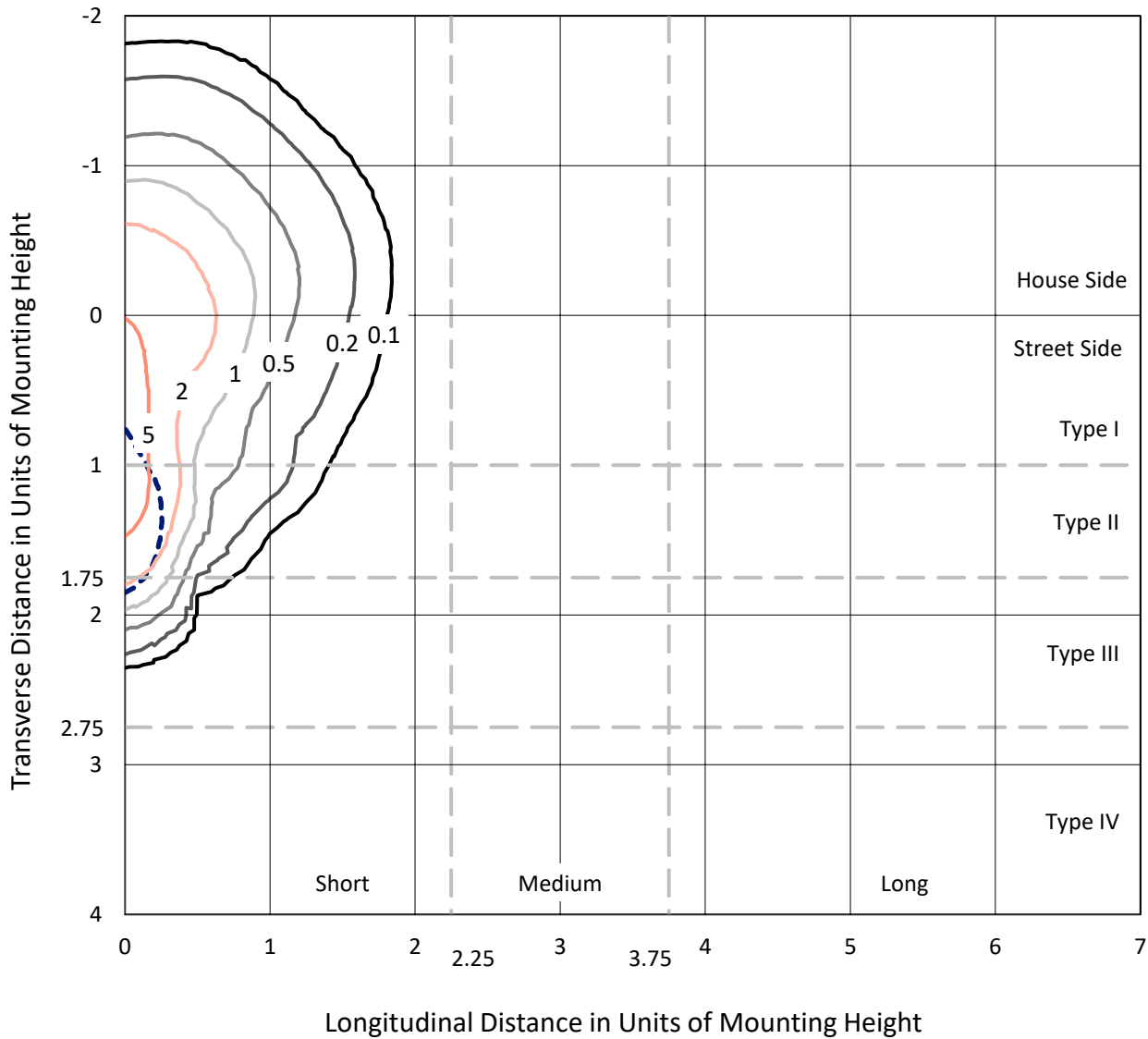
Lumens per Lamp: N/A  
Luminaire Lumens: 17681 lumens  
Efficiency: N/A  
Efficacy: 54.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

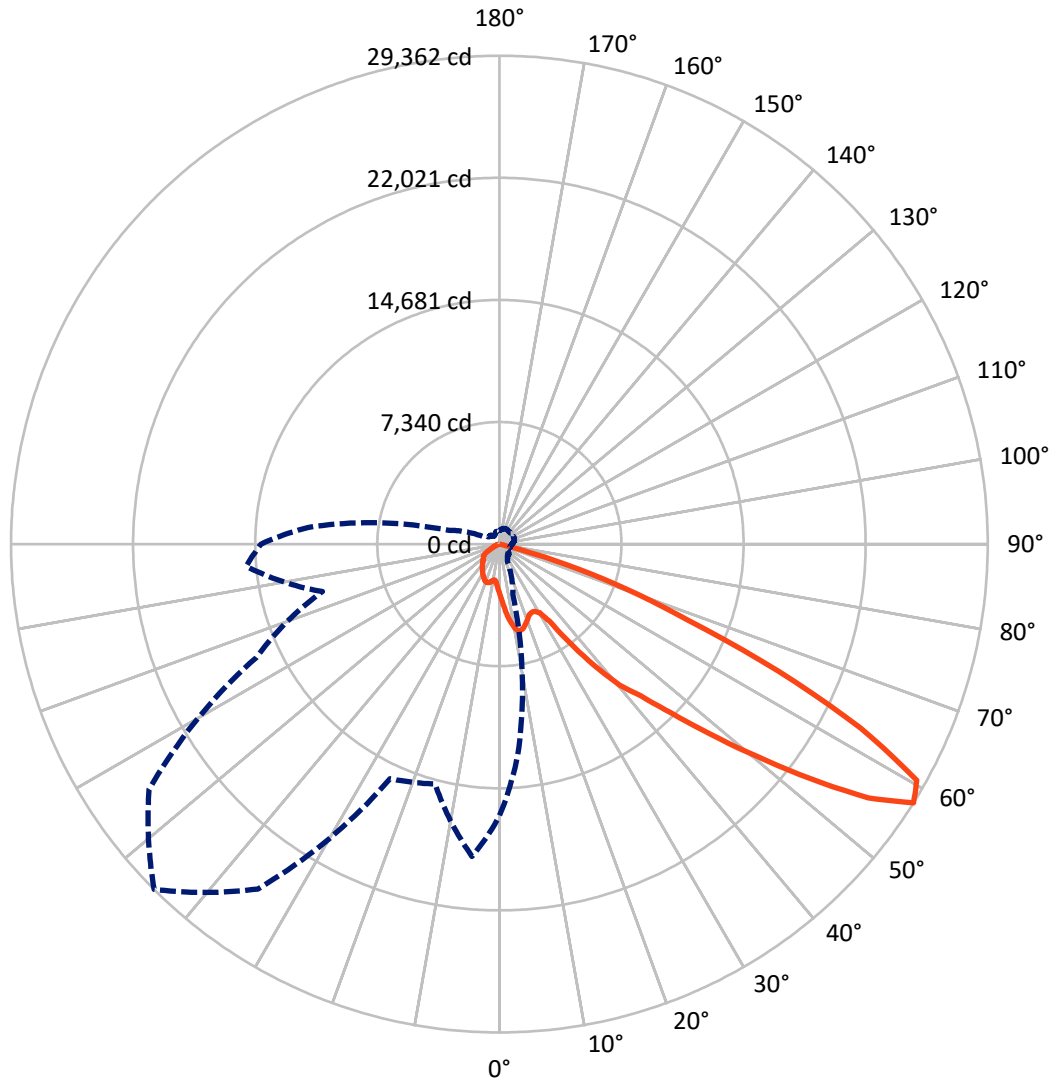
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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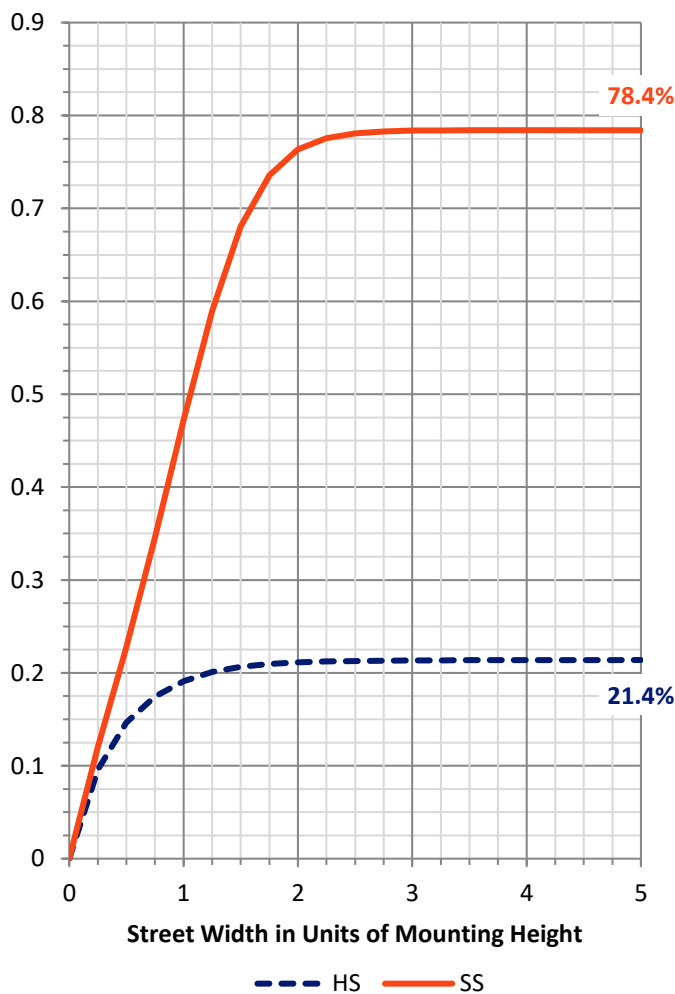
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3809.1	0.0	3809.1
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	13871.9	0.0	13871.9
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	17681.0	0.0	17681.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.9	1.7
10°-20°	977.1	5.5
20°-30°	1585.7	9.0
30°-40°	2433.6	13.8
40°-50°	3886.7	22.0
50°-60°	5442.1	30.8
60°-70°	2790.3	15.8
70°-80°	268.6	1.5
80°-90°	0.0	0.0
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°	17681.0	100.0
0°-180°	17681.0	100.0

**Coefficient of Utilization**



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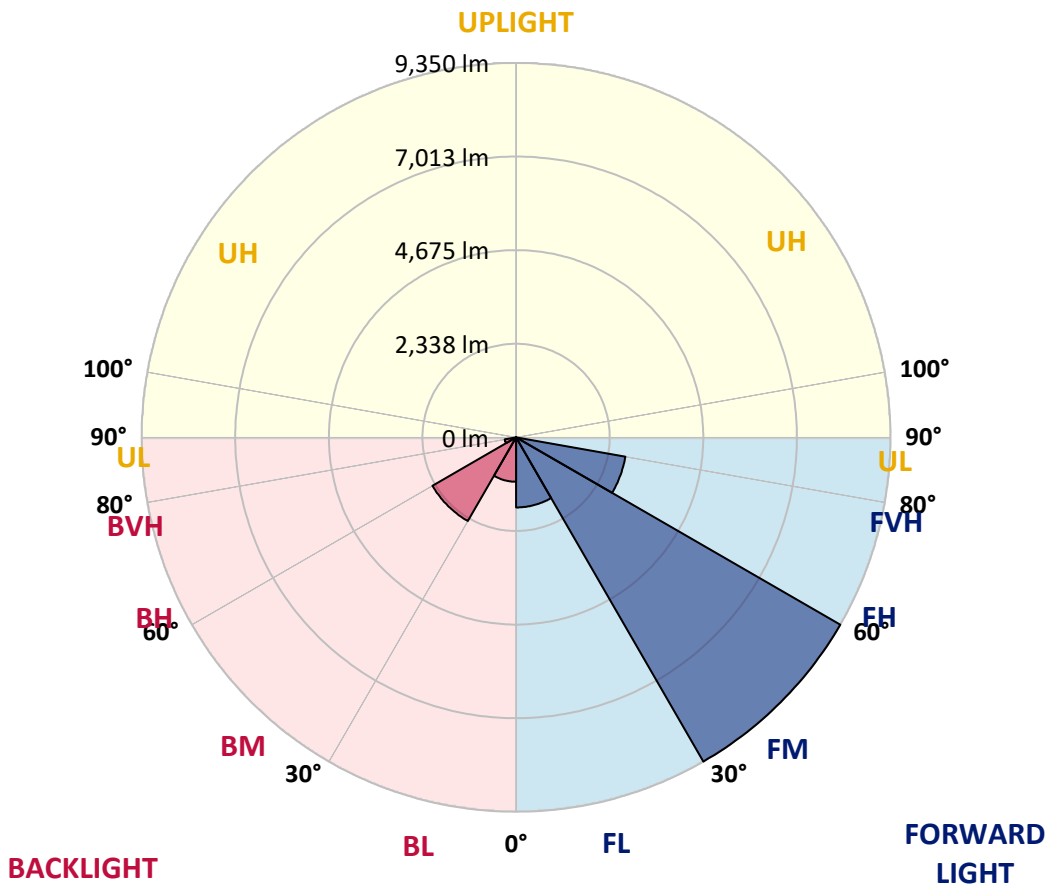
CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1750.5	9.9			
FM (30°-60°)	9350.1	52.9			
FH (60°-80°)	2771.3	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1109.1	6.3	B3/2500		
BM (30°-60°)	2412.3	13.6	B2/2500		
BH (60°-80°)	287.7	1.6	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3
2.5°	3337.5	3330.5	3306.8	3226.5	3176.8	3098.8	3042.1	2968.8	2888.4	2838.8	2789.2
5°	3692.1	3673.2	3609.4	3425.0	3283.2	3129.5	3006.6	2871.9	2727.7	2633.2	2545.7
7.5°	4032.5	4004.1	3919.0	3607.0	3391.9	3172.1	2997.2	2801.0	2597.7	2455.9	2347.2
10°	4365.8	4301.9	4167.2	3784.3	3493.5	3228.8	3023.2	2798.6	2559.9	2380.2	2259.7
12.5°	4639.9	4592.7	4408.3	3952.1	3578.6	3240.6	2987.7	2779.7	2619.0	2498.4	2387.3
15°	4876.3	4824.3	4649.4	4103.4	3651.9	3193.4	2838.8	2656.8	2682.8	2730.1	2635.5
17.5°	5093.8	5039.4	4850.3	4228.7	3680.3	3077.5	2630.8	2543.3	2687.5	2864.8	2829.4
20°	5318.3	5256.9	5025.2	4330.3	3670.8	2895.5	2420.4	2446.4	2649.7	2853.0	2871.9
22.5°	5580.7	5516.9	5247.4	4460.3	3663.7	2678.1	2238.4	2361.3	2578.8	2751.3	2784.4
25°	5928.2	5852.5	5557.1	4651.8	3682.6	2479.5	2108.4	2278.6	2458.2	2614.3	2633.2
27.5°	6386.7	6289.8	5914.0	4888.1	3722.8	2323.5	2051.7	2165.2	2304.6	2444.1	2460.6
30°	6984.7	6861.8	6322.9	5093.8	3703.9	2214.8	2013.9	2051.7	2134.4	2247.9	2250.2
32.5°	7684.4	7516.6	6781.5	5271.1	3540.8	2134.4	1961.9	1935.9	1954.8	2042.2	2058.8
35°	8507.0	8289.5	7287.3	5438.9	3243.0	1978.4	1867.3	1779.9	1772.8	1815.3	1855.5
37.5°	9450.1	9190.1	7925.5	5654.0	2890.8	1815.3	1727.9	1640.4	1602.6	1623.9	1685.3
40°	10319.9	10031.5	8592.1	5914.0	2531.5	1668.8	1564.8	1474.9	1430.0	1437.1	1512.8
42.5°	11341.0	11043.2	9407.5	6254.4	2233.7	1569.5	1394.6	1302.4	1243.3	1276.4	1363.9
45°	12891.6	12553.6	10596.5	6549.8	1997.3	1545.9	1245.7	1115.7	1087.3	1144.0	1248.0
47.5°	15009.5	14595.9	12229.8	6729.5	1796.4	1567.1	1141.7	964.4	971.5	1035.3	1139.3
50°	17110.8	16664.1	14118.4	6493.1	1631.0	1524.6	1089.7	846.2	891.1	947.8	1042.4
52.5°	18555.1	17973.6	15037.9	5810.0	1479.7	1363.9	1084.9	735.1	820.2	839.1	919.5
55°	18611.8	17895.6	14567.5	4580.9	1274.0	1151.1	1035.3	642.9	742.2	749.3	817.8
57.5°	16314.3	15666.6	12730.9	3146.1	1132.2	843.8	824.9	562.6	609.8	668.9	711.5
60°	12411.8	11861.1	9521.0	1441.9	860.4	536.6	564.9	484.6	456.2	543.7	586.2
62.5°	7601.7	7249.5	5710.7	638.2	548.4	286.0	342.7	385.3	342.7	375.8	411.3
65°	3018.4	2862.4	2167.5	271.8	224.6	144.2	156.0	224.6	241.1	264.7	297.8
67.5°	524.7	496.4	364.0	120.5	92.2	87.5	75.6	104.0	146.5	163.1	189.1
70°	68.5	66.2	59.1	49.6	47.3	42.5	33.1	66.2	99.3	104.0	120.5
72.5°	16.5	14.2	14.2	11.8	14.2	4.7	4.7	35.5	70.9	73.3	85.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	44.9	49.6	59.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3
2.5°	2749.0	2701.7	2685.2	2661.5	2630.8	2640.3	2597.7	2583.5	2604.8	2633.2	2626.1
5°	2498.4	2446.4	2411.0	2356.6	2347.2	2325.9	2311.7	2292.8	2316.4	2349.5	2356.6
7.5°	2299.9	2255.0	2219.5	2203.0	2191.2	2181.7	2153.3	2139.1	2139.1	2153.3	2165.2
10°	2214.8	2181.7	2174.6	2179.3	2198.2	2195.9	2169.9	2151.0	2127.3	2115.5	2129.7
12.5°	2333.0	2278.6	2269.2	2271.5	2295.2	2292.8	2264.4	2240.8	2236.1	2240.8	2285.7
15°	2533.9	2451.2	2389.7	2377.9	2389.7	2385.0	2363.7	2349.5	2356.6	2425.2	2500.8
17.5°	2713.5	2585.9	2474.8	2432.2	2429.9	2422.8	2401.5	2396.8	2432.2	2559.9	2671.0
20°	2765.5	2640.3	2481.9	2427.5	2415.7	2408.6	2385.0	2392.1	2437.0	2590.6	2685.2
22.5°	2697.0	2576.4	2411.0	2356.6	2347.2	2344.8	2321.2	2330.6	2368.4	2503.2	2581.2
25°	2567.0	2465.3	2292.8	2245.5	2245.5	2240.8	2219.5	2224.2	2247.9	2366.1	2441.7
27.5°	2408.6	2311.7	2167.5	2120.2	2127.3	2134.4	2108.4	2101.3	2120.2	2231.3	2276.2
30°	2226.6	2158.1	2044.6	2002.1	1999.7	2028.1	1992.6	1983.1	2009.1	2096.6	2106.1
32.5°	2049.3	2016.2	1935.9	1902.8	1905.1	1909.9	1891.0	1891.0	1914.6	1961.9	1959.5
35°	1876.8	1855.5	1841.3	1817.7	1815.3	1805.9	1805.9	1810.6	1836.6	1853.1	1822.4
37.5°	1711.3	1732.6	1749.1	1725.5	1706.6	1706.6	1706.6	1727.9	1751.5	1744.4	1692.4
40°	1564.8	1609.7	1661.7	1635.7	1590.8	1588.4	1597.9	1633.3	1668.8	1626.2	1579.0
42.5°	1439.5	1496.2	1569.5	1555.3	1505.7	1498.6	1505.7	1550.6	1579.0	1524.6	1472.6
45°	1316.6	1387.5	1474.9	1474.9	1420.6	1413.5	1415.9	1474.9	1491.5	1427.7	1361.5
47.5°	1212.6	1290.6	1382.8	1382.8	1337.9	1323.7	1335.5	1396.9	1408.8	1318.9	1257.5
50°	1113.3	1198.4	1300.0	1292.9	1262.2	1250.4	1271.7	1337.9	1323.7	1224.4	1160.6
52.5°	988.0	1077.8	1217.3	1224.4	1207.9	1210.2	1236.2	1278.8	1238.6	1118.0	1063.7
55°	874.6	966.8	1106.2	1144.0	1144.0	1141.7	1153.5	1186.6	1153.5	1009.3	943.1
57.5°	751.7	829.7	945.5	954.9	962.0	936.0	952.6	997.5	980.9	858.0	820.2
60°	616.9	683.1	749.3	756.4	725.7	671.3	702.0	754.0	765.8	673.7	631.1
62.5°	437.3	501.1	579.1	579.1	548.4	494.0	534.2	579.1	562.6	468.0	442.0
65°	326.2	385.3	444.4	470.4	444.4	406.6	437.3	470.4	444.4	366.4	328.6
67.5°	210.4	250.6	286.0	307.3	312.0	307.3	321.5	312.0	281.3	229.3	208.0
70°	127.6	148.9	167.8	186.7	200.9	208.0	215.1	193.8	163.1	134.7	127.6
72.5°	92.2	111.1	127.6	141.8	158.4	163.1	163.1	148.9	120.5	94.5	87.5
75°	63.8	80.4	94.5	104.0	118.2	122.9	122.9	111.1	89.8	68.5	61.5
77.5°	2.4	16.5	16.5	14.2	18.9	23.6	23.6	28.4	26.0	18.9	16.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3
2.5°	2640.3	2725.3	2749.0	2836.4	2914.4	2992.4	3087.0	3143.7	3228.8	3287.9	3321.0
5°	2380.2	2451.2	2536.3	2666.3	2801.0	2949.9	3129.5	3285.5	3481.7	3625.9	3673.2
7.5°	2191.2	2283.3	2382.6	2545.7	2730.1	2928.6	3181.5	3436.8	3737.0	3933.2	4058.5
10°	2155.7	2250.2	2382.6	2543.3	2737.2	2964.1	3273.7	3604.6	3980.5	4219.2	4361.0
12.5°	2325.9	2427.5	2484.2	2557.5	2704.1	2957.0	3354.1	3774.8	4216.8	4476.8	4628.1
15°	2576.4	2666.3	2574.1	2481.9	2576.4	2881.4	3399.0	3916.7	4424.8	4725.0	4881.0
17.5°	2749.0	2756.1	2555.2	2359.0	2385.0	2744.3	3415.5	4058.5	4647.0	4961.4	5124.5
20°	2732.4	2675.7	2472.4	2255.0	2174.6	2567.0	3396.6	4183.8	4871.6	5200.1	5360.9
22.5°	2604.8	2538.6	2366.1	2153.3	1997.3	2356.6	3363.5	4297.2	5077.2	5450.7	5602.0
25°	2451.2	2380.2	2238.4	2051.7	1883.9	2153.3	3337.5	4453.2	5337.2	5776.9	5895.1
27.5°	2271.5	2210.1	2089.5	1954.8	1836.6	1999.7	3330.5	4658.9	5651.6	6174.0	6256.7
30°	2096.6	2039.9	1945.3	1867.3	1817.7	1909.9	3306.8	4878.7	6027.4	6630.2	6720.0
32.5°	1928.8	1872.1	1813.0	1801.1	1803.5	1876.8	3226.5	5096.1	6474.2	7292.0	7358.2
35°	1784.6	1718.4	1694.8	1723.1	1775.1	1820.0	2999.5	5275.8	6954.0	8012.9	8067.3
37.5°	1647.5	1581.3	1579.0	1647.5	1704.2	1732.6	2732.4	5453.1	7601.7	8745.7	8814.2
40°	1522.2	1456.0	1479.7	1562.4	1607.3	1621.5	2408.6	5722.5	8287.1	9518.6	9480.8
42.5°	1415.9	1347.3	1361.5	1467.9	1508.0	1545.9	2110.8	5947.1	8946.6	10251.4	10239.6
45°	1311.9	1259.9	1250.4	1366.2	1401.7	1553.0	1893.3	6119.6	9795.2	11185.0	11203.9
47.5°	1210.2	1170.0	1172.4	1222.0	1309.5	1588.4	1709.0	6233.1	11026.7	12664.7	12336.2
50°	1118.0	1087.3	1113.3	1056.6	1250.4	1543.5	1550.6	6209.4	12402.3	14082.9	13423.5
52.5°	1016.4	1009.3	1021.1	884.0	1155.8	1361.5	1401.7	5895.1	13047.6	15052.0	14676.2
55°	912.4	910.0	815.5	706.7	966.8	1087.3	1200.8	4918.9	13026.4	15567.3	16023.5
57.5°	789.5	770.6	619.3	576.7	751.7	756.4	1094.4	3221.7	11544.3	14333.5	15279.0
60°	598.0	583.8	453.8	468.0	524.7	484.6	872.2	1605.0	8627.5	11166.1	12232.2
62.5°	413.6	394.7	338.0	361.6	338.0	276.6	534.2	794.2	5226.1	7050.9	8017.7
65°	302.6	281.3	231.6	198.6	158.4	158.4	203.3	304.9	2023.3	2997.2	3614.1
67.5°	186.7	177.3	137.1	99.3	96.9	104.0	106.4	151.3	326.2	520.0	635.8
70°	120.5	111.1	92.2	63.8	59.1	61.5	63.8	70.9	82.7	89.8	108.7
72.5°	82.7	78.0	66.2	35.5	28.4	30.7	33.1	33.1	40.2	37.8	44.9
75°	59.1	54.4	47.3	16.5	9.5	11.8	14.2	11.8	14.2	9.5	11.8
77.5°	16.5	16.5	11.8	2.4	0.0	2.4	4.7	4.7	2.4	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P642989

CATALOG NUMBER: GWS-SA6E-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3	3004.3
2.5°	3406.1	3460.5	3481.7	3451.0	3477.0	3434.5	3417.9	3354.1	3349.4	3337.5
5°	3864.7	3987.6	4060.8	4105.7	4053.7	3997.0	3911.9	3765.4	3720.5	3692.1
7.5°	4316.1	4507.6	4632.9	4691.9	4677.8	4561.9	4408.3	4162.5	4075.0	4032.5
10°	4708.5	4942.5	5093.8	5167.1	5136.3	5034.7	4814.9	4507.6	4391.8	4365.8
12.5°	4982.7	5197.8	5301.8	5365.6	5368.0	5327.8	5119.8	4810.1	4673.0	4639.9
15°	5155.2	5247.4	5249.8	5287.6	5353.8	5443.6	5346.7	5072.5	4926.0	4876.3
17.5°	5264.0	5162.3	5058.3	5067.8	5176.5	5415.2	5514.5	5304.1	5148.1	5093.8
20°	5342.0	5020.5	4826.7	4829.0	4940.1	5301.8	5630.3	5528.7	5368.0	5318.3
22.5°	5391.6	4895.2	4618.7	4611.6	4729.8	5167.1	5736.7	5795.8	5637.4	5580.7
25°	5493.2	4836.1	4493.4	4533.6	4637.6	5124.5	5880.9	6150.3	6003.8	5928.2
27.5°	5675.2	4895.2	4481.6	4573.8	4691.9	5249.8	6131.4	6623.1	6471.8	6386.7
30°	5989.6	5117.4	4663.6	4791.2	4933.0	5578.3	6552.2	7282.6	7065.1	6984.7
32.5°	6495.5	5578.3	5226.1	5500.3	5637.4	6117.3	7183.3	8022.4	7845.1	7684.4
35°	7192.7	6630.2	6590.0	7228.2	7195.1	7138.4	7958.6	8930.1	8663.0	8507.0
37.5°	8152.4	8322.6	8620.4	9253.9	9232.6	8800.1	8977.3	9788.1	9651.0	9450.1
40°	9350.8	9712.4	10218.3	11125.9	10842.3	10298.6	10227.7	10667.4	10556.3	10319.9
42.5°	10057.5	10681.6	11646.0	12461.4	12234.5	11284.3	11203.9	11842.1	11598.7	11341.0
45°	10386.1	11471.0	13362.0	14465.8	13778.0	11939.1	11908.3	13373.8	13236.7	12891.6
47.5°	10537.4	12267.6	15371.1	17042.3	15756.4	12513.4	12402.3	15595.7	15416.1	15009.5
50°	10705.2	13366.7	17791.6	20027.6	18146.1	13163.5	13243.8	17666.3	17590.7	17110.8
52.5°	11073.9	14529.7	20772.2	23440.8	21044.0	14182.2	14688.0	19618.7	19108.2	18555.1
55°	11627.0	15796.6	23873.4	26927.3	24001.0	15550.8	16250.4	20656.4	19224.0	18611.8
57.5°	11014.8	16113.3	25710.0	29361.9	25312.9	15555.5	14929.1	18857.6	16907.6	16314.3
60°	8741.0	14990.6	25003.2	28834.8	24194.8	13813.5	11430.9	14723.5	12808.9	12411.8
62.5°	5909.3	12572.5	22010.8	24386.3	20708.4	10865.9	7429.1	9575.4	7930.2	7601.7
65°	3238.3	9379.2	17784.5	18448.7	16207.9	7589.8	3822.1	4155.4	3165.0	3018.4
67.5°	893.5	6528.5	13085.4	12239.2	11371.8	4942.5	988.0	742.2	529.5	524.7
70°	224.6	4318.5	7840.4	8081.5	6972.9	3165.0	189.1	89.8	70.9	68.5
72.5°	94.5	1857.9	3720.5	4275.9	3569.2	1465.5	68.5	26.0	21.3	16.5
75°	11.8	148.9	316.7	479.8	328.6	158.4	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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)