

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: P640517

Luminaire Tested: GWS-SA5E-722-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640517  
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-SA5E-722-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

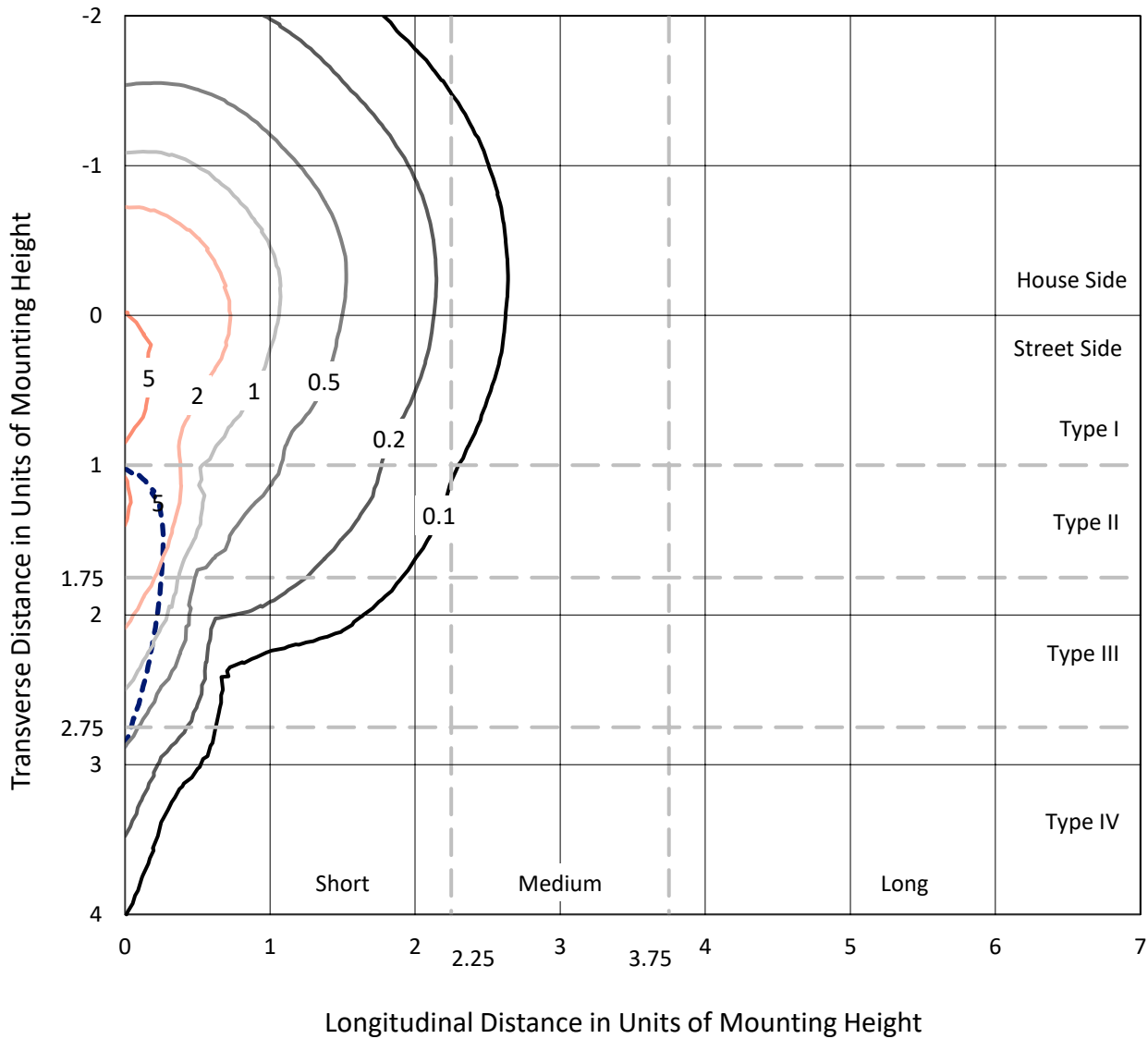
Lumens per Lamp: N/A  
Luminaire Lumens: 25916.7 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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

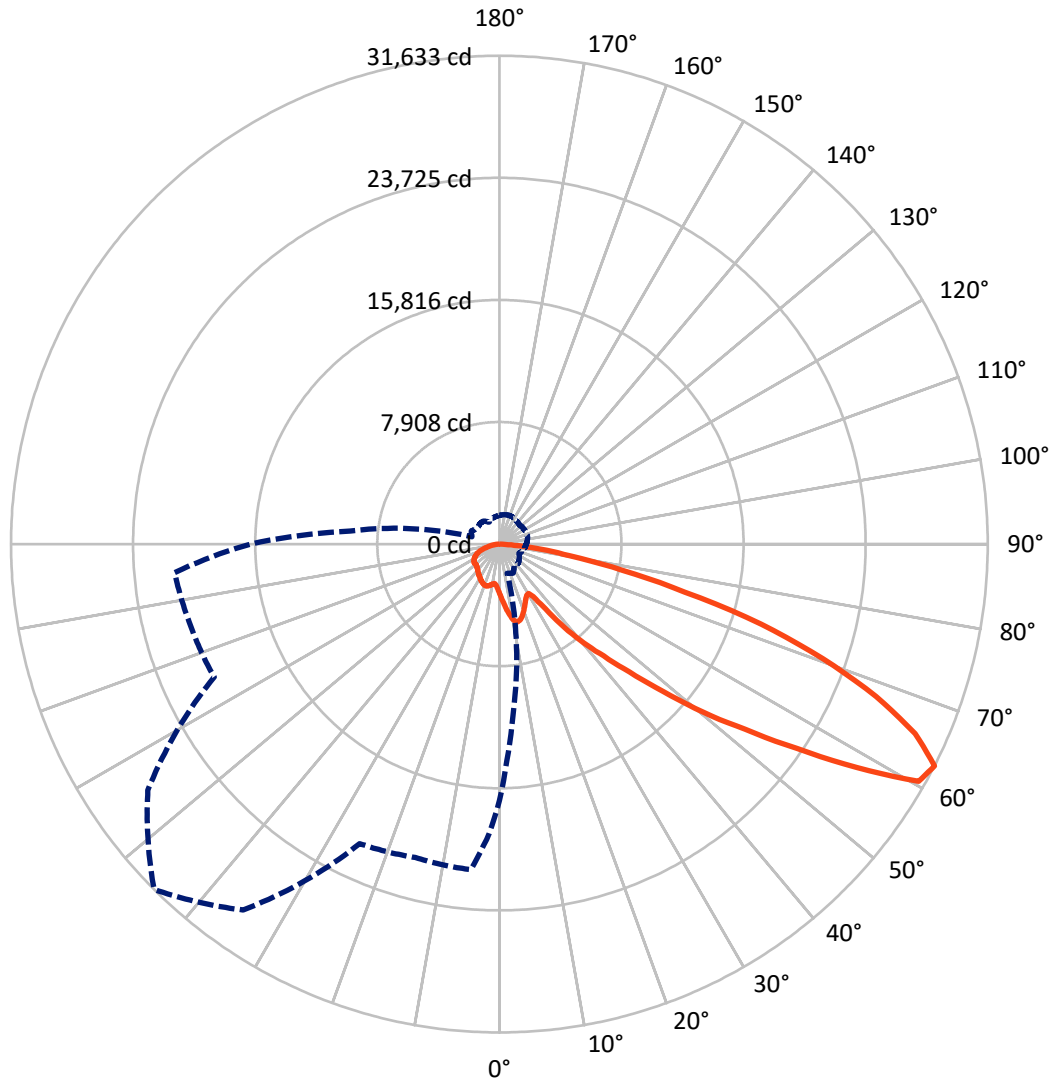
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	6196.7	0.0	6196.7
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	19720.0	0.0	19720.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	25916.7	0.0	25916.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.3	1.2
10°-20°	1034.6	4.0
20°-30°	1628.6	6.3
30°-40°	2232.4	8.6
40°-50°	3483.2	13.4
50°-60°	6005.7	23.2
60°-70°	6959.9	26.9
70°-80°	3673.7	14.2
80°-90°	580.3	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°	25916.7	100.0
0°-180°	25916.7	100.0

**Coefficient of Utilization**



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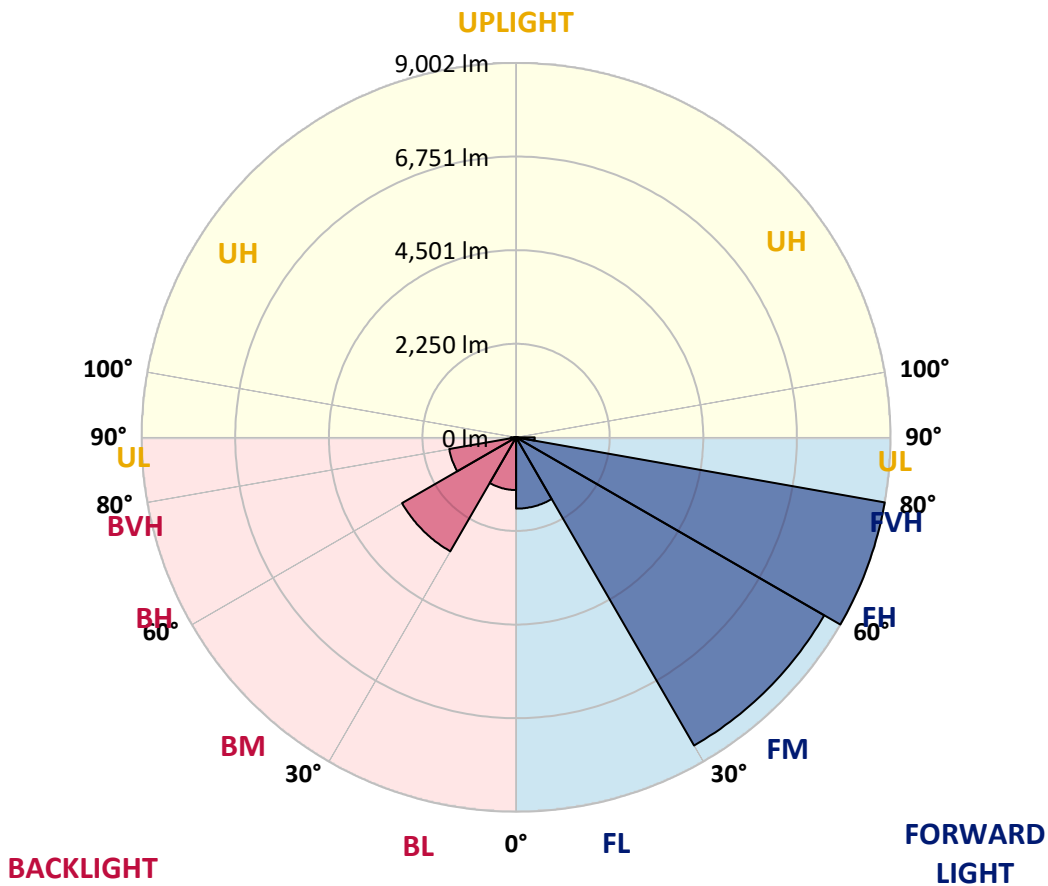
CATALOG NUMBER: GWS-SA5E-722-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1714.1	6.6			
FM (30°-60°)	8556.0	33.0			
FH (60°-80°)	9002.0	34.7			G4/12000
FVH (80°-90°)	447.9	1.7			G3/500
BL (0°-30°)	1267.5	4.9	B3/2500		
BM (30°-60°)	3165.2	12.2	B3/5000		
BH (60°-80°)	1631.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	132.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3
2.5°	3510.8	3496.9	3477.1	3409.7	3368.1	3320.5	3270.9	3213.4	3148.0	3102.4	3056.8
5°	3808.1	3786.3	3738.8	3578.2	3467.2	3346.3	3245.2	3130.2	3017.2	2939.9	2862.6
7.5°	4093.6	4065.9	3992.5	3746.7	3566.3	3391.8	3239.2	3072.7	2904.2	2789.2	2698.0
10°	4379.1	4321.6	4228.4	3907.3	3669.4	3467.2	3292.7	3088.5	2864.5	2707.9	2610.8
12.5°	4597.1	4543.6	4442.5	4054.0	3772.5	3518.7	3322.5	3134.1	2943.8	2777.3	2678.2
15°	4801.3	4731.9	4617.0	4190.7	3857.7	3516.7	3263.0	3098.5	3070.7	3029.1	2900.2
17.5°	4948.0	4884.6	4765.6	4301.8	3905.3	3455.3	3098.5	3001.3	3126.2	3253.1	3130.2
20°	5076.9	5003.5	4882.6	4379.1	3915.2	3318.5	2898.2	2900.2	3096.5	3270.9	3241.2
22.5°	5185.9	5104.6	4997.6	4466.3	3911.2	3128.2	2723.8	2842.7	3039.0	3175.8	3179.7
25°	5320.7	5253.3	5164.1	4595.2	3911.2	2933.9	2596.9	2773.3	2941.8	3056.8	3052.9
27.5°	5485.2	5439.6	5366.3	4791.4	3946.9	2771.4	2525.5	2684.1	2817.0	2916.1	2914.1
30°	5669.6	5628.0	5572.5	4999.6	4008.4	2650.4	2485.9	2573.1	2670.3	2749.6	2749.6
32.5°	5857.9	5842.1	5782.6	5166.1	3960.8	2612.8	2452.2	2462.1	2513.7	2579.1	2573.1
35°	6119.6	6103.7	6028.4	5294.9	3754.6	2559.2	2398.7	2349.1	2355.1	2396.7	2410.6
37.5°	6502.2	6478.4	6367.4	5445.6	3443.4	2424.4	2311.5	2230.2	2212.3	2230.2	2255.9
40°	6964.1	6928.4	6777.7	5649.8	3084.6	2242.1	2174.7	2107.3	2077.5	2083.5	2113.2
42.5°	7542.9	7467.6	7251.5	5865.9	2729.7	2081.5	2022.0	1980.4	1946.7	1942.7	2000.2
45°	8482.6	8276.4	7933.5	6058.1	2430.4	1996.3	1885.2	1855.5	1827.8	1843.6	1911.0
47.5°	10124.0	9743.4	9075.3	6222.7	2248.0	1998.2	1776.2	1744.5	1742.5	1774.2	1849.6
50°	12379.9	11830.8	10800.0	6333.7	2152.9	2022.0	1710.8	1659.3	1696.9	1728.6	1800.0
52.5°	14540.7	13702.2	12475.1	6331.7	2111.2	2026.0	1728.6	1580.0	1696.9	1704.8	1772.2
55°	16386.3	14867.8	12927.1	5681.5	2051.8	2010.1	1798.0	1518.5	1675.1	1704.8	1758.4
57.5°	17853.3	15609.2	12893.4	4589.2	2232.2	1922.9	1839.6	1504.6	1611.7	1708.8	1770.3
60°	17690.7	15270.3	12062.8	2817.0	2214.3	1768.3	1833.7	1530.4	1504.6	1655.3	1756.4
62.5°	16610.3	14055.1	10633.5	1954.6	2079.5	1679.1	1736.6	1576.0	1405.5	1578.0	1689.0
65°	15097.8	12487.0	8861.2	1498.7	1722.7	1683.0	1572.0	1544.3	1318.3	1455.1	1574.0
67.5°	13097.6	10542.3	6995.8	1187.4	1201.3	1457.0	1427.3	1371.8	1237.0	1346.0	1453.1
70°	9846.5	7693.6	4813.2	955.5	909.9	1217.2	1282.6	1233.0	1157.7	1189.4	1302.4
72.5°	6938.3	5023.3	2636.6	757.3	701.8	935.7	1114.1	1106.2	1022.9	1046.7	1157.7
75°	5156.2	3554.4	1647.4	598.7	570.9	670.0	933.7	957.5	888.1	915.9	1001.1
77.5°	3431.5	2301.5	915.9	444.1	444.1	489.6	695.8	806.8	755.3	777.1	836.6
80°	1893.2	1171.6	457.9	291.4	299.3	337.0	507.5	580.8	582.8	636.3	652.2
82.5°	598.7	372.7	204.2	170.5	160.6	192.3	327.1	416.3	388.5	495.6	455.9
85°	136.8	87.2	37.7	37.7	41.6	63.4	124.9	222.0	283.5	341.0	247.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	87.2	128.9	115.0
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°	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3
2.5°	3029.1	2989.4	2977.5	2943.8	2939.9	2908.1	2896.3	2896.3	2910.1	2910.1	2924.0
5°	2830.8	2781.3	2753.5	2713.9	2704.0	2680.2	2664.3	2666.3	2684.1	2696.0	2719.8
7.5°	2656.4	2622.7	2602.9	2585.0	2581.1	2577.1	2559.2	2557.3	2563.2	2581.1	2598.9
10°	2583.0	2559.2	2565.2	2579.1	2600.9	2612.8	2596.9	2589.0	2583.0	2594.9	2610.8
12.5°	2654.4	2630.6	2642.5	2666.3	2696.0	2707.9	2702.0	2700.0	2705.9	2751.5	2785.2
15°	2811.0	2765.4	2749.6	2759.5	2783.3	2795.2	2789.2	2797.1	2834.8	2953.7	3039.0
17.5°	3005.3	2894.3	2830.8	2813.0	2822.9	2832.8	2832.8	2852.6	2918.1	3092.5	3199.6
20°	3110.4	2965.6	2858.6	2815.0	2818.9	2828.9	2828.9	2856.6	2930.0	3116.3	3185.7
22.5°	3082.6	2949.8	2818.9	2771.4	2773.3	2781.3	2781.3	2805.1	2870.5	3035.0	3066.7
25°	2973.6	2856.6	2727.8	2686.1	2690.1	2704.0	2700.0	2713.9	2763.4	2898.2	2916.1
27.5°	2842.7	2739.6	2612.8	2581.1	2598.9	2626.7	2602.9	2604.8	2650.4	2763.4	2765.4
30°	2702.0	2616.7	2503.7	2480.0	2513.7	2527.5	2505.7	2505.7	2551.3	2628.6	2626.7
32.5°	2549.3	2495.8	2414.5	2388.8	2426.4	2448.2	2420.5	2424.4	2460.1	2511.7	2491.8
35°	2406.6	2378.9	2341.2	2323.3	2347.1	2367.0	2349.1	2357.0	2390.7	2404.6	2376.9
37.5°	2269.8	2265.9	2269.8	2269.8	2275.8	2281.7	2269.8	2289.6	2319.4	2301.5	2269.8
40°	2150.9	2166.7	2204.4	2194.5	2188.5	2194.5	2186.6	2220.3	2250.0	2218.3	2180.6
42.5°	2051.8	2081.5	2139.0	2139.0	2127.1	2131.1	2127.1	2168.7	2190.5	2146.9	2105.3
45°	1966.5	2010.1	2083.5	2093.4	2073.6	2073.6	2081.5	2133.0	2141.0	2081.5	2037.9
47.5°	1907.0	1960.6	2043.8	2061.7	2031.9	2030.0	2051.8	2107.3	2107.3	2037.9	1988.3
50°	1865.4	1924.9	2024.0	2047.8	2018.1	2010.1	2045.8	2099.3	2087.4	2004.2	1954.6
52.5°	1837.7	1899.1	2022.0	2055.7	2035.9	2028.0	2063.7	2101.3	2071.6	1982.4	1930.8
55°	1819.8	1887.2	2028.0	2055.7	2033.9	2020.0	2055.7	2089.4	2073.6	1970.5	1920.9
57.5°	1829.7	1897.1	2020.0	2033.9	2008.1	1984.4	2026.0	2073.6	2067.6	1974.4	1924.9
60°	1813.9	1875.3	1976.4	1980.4	1936.8	1899.1	1960.6	2031.9	2031.9	1960.6	1917.0
62.5°	1740.5	1802.0	1891.2	1895.2	1845.6	1804.0	1875.3	1960.6	1958.6	1901.1	1855.5
65°	1619.6	1677.1	1778.2	1788.1	1738.5	1694.9	1768.3	1847.6	1853.5	1802.0	1762.3
67.5°	1486.8	1538.3	1613.7	1653.3	1611.7	1566.1	1633.5	1708.8	1706.8	1645.4	1603.7
70°	1328.2	1375.8	1445.2	1478.9	1453.1	1409.5	1470.9	1510.6	1492.7	1463.0	1435.2
72.5°	1171.6	1217.2	1282.6	1282.6	1254.8	1213.2	1231.1	1302.4	1324.2	1302.4	1284.6
75°	1007.0	1046.7	1092.3	1102.2	1040.7	965.4	1048.7	1110.1	1135.9	1126.0	1104.2
77.5°	838.5	868.3	935.7	917.8	802.9	763.2	830.6	921.8	939.6	933.7	904.0
80°	646.3	664.1	735.5	699.8	610.6	584.8	614.5	685.9	689.9	670.0	632.4
82.5°	434.1	457.9	505.5	436.1	434.1	410.4	386.6	394.5	430.2	426.2	400.4
85°	222.0	233.9	279.5	261.7	224.0	194.3	184.4	196.3	176.4	160.6	138.8
87.5°	93.2	101.1	138.8	77.3	23.8	0.0	0.0	11.9	17.8	25.8	27.8
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°	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3
2.5°	2955.7	2977.5	3031.1	3098.5	3163.9	3231.3	3304.6	3350.2	3405.7	3477.1	3479.1
5°	2749.6	2799.1	2876.4	2979.5	3086.6	3209.5	3352.2	3471.1	3613.9	3726.9	3772.5
7.5°	2622.7	2694.1	2791.2	2922.0	3062.8	3215.4	3401.8	3602.0	3835.9	3986.6	4075.8
10°	2634.6	2743.6	2840.7	2951.8	3078.6	3243.2	3483.0	3748.7	4036.1	4234.4	4345.4
12.5°	2846.7	2961.7	2943.8	2937.9	3023.1	3223.3	3548.5	3897.4	4248.2	4446.5	4579.3
15°	3114.3	3157.9	2989.4	2862.6	2914.1	3152.0	3584.1	4030.2	4424.7	4666.5	4797.4
17.5°	3251.1	3163.9	2959.7	2769.4	2755.5	3042.9	3602.0	4165.0	4622.9	4864.8	5003.5
20°	3187.7	3060.8	2888.3	2707.9	2608.8	2894.3	3592.1	4272.0	4803.3	5072.9	5185.9
22.5°	3050.9	2939.9	2805.1	2632.6	2489.9	2731.7	3566.3	4379.1	4963.9	5235.5	5334.6
25°	2902.2	2818.9	2707.9	2557.3	2422.5	2589.0	3548.5	4521.8	5148.2	5407.9	5471.4
27.5°	2753.5	2692.1	2600.9	2483.9	2406.6	2489.9	3554.4	4708.1	5386.1	5631.9	5606.2
30°	2606.8	2553.3	2489.9	2438.3	2404.6	2466.1	3538.5	4906.4	5647.8	5875.8	5723.1
32.5°	2468.1	2418.5	2378.9	2386.8	2406.6	2476.0	3457.3	5086.8	5887.7	6081.9	5850.0
35°	2349.1	2297.6	2297.6	2325.3	2398.7	2442.3	3247.1	5227.5	6153.3	6347.6	6030.4
37.5°	2238.1	2192.5	2222.2	2267.8	2337.2	2351.1	2977.5	5364.3	6539.9	6722.2	6309.9
40°	2141.0	2095.4	2148.9	2206.4	2242.1	2236.1	2704.0	5554.6	6995.8	7184.1	6680.6
42.5°	2063.7	2022.0	2069.6	2143.0	2148.9	2154.8	2503.7	5737.0	7525.1	7765.0	7318.9
45°	2000.2	1970.5	1994.3	2067.6	2067.6	2158.8	2378.9	5889.6	8322.0	8746.3	8490.5
47.5°	1950.7	1932.8	1944.7	1968.5	2008.1	2230.2	2299.6	6006.6	9773.1	10605.7	10348.0
50°	1922.9	1905.1	1920.9	1871.4	1990.3	2265.9	2273.8	6095.8	11686.1	12990.5	12671.4
52.5°	1899.1	1893.2	1903.1	1788.1	2030.0	2242.1	2254.0	5976.9	12968.7	15337.7	15652.9
55°	1891.2	1895.2	1847.6	1726.7	2077.5	2162.8	2194.5	5126.4	13317.6	17361.7	19318.3
57.5°	1895.2	1883.3	1762.3	1732.6	2079.5	2004.2	2279.7	3657.5	12810.1	18241.8	22904.4
60°	1881.3	1821.8	1659.3	1786.1	1988.3	1817.8	2218.3	2384.8	11472.0	17565.8	23112.5
62.5°	1819.8	1732.6	1570.0	1815.9	1825.8	1706.8	2014.1	1837.7	9687.9	16118.7	21106.4
65°	1730.6	1613.7	1494.7	1754.4	1661.2	1655.3	1514.5	1472.9	7790.7	14396.0	19203.3
67.5°	1583.9	1467.0	1439.2	1613.7	1494.7	1467.0	1217.2	1221.1	6216.7	12560.3	17290.3
70°	1417.4	1300.4	1322.2	1459.0	1330.2	1219.2	985.2	1017.0	4716.1	10465.0	14711.2
72.5°	1308.4	1151.8	1153.7	1284.6	1169.6	987.2	810.8	838.5	2993.4	7887.9	11696.0
75°	1104.2	1015.0	971.4	1040.7	993.2	769.2	681.9	676.0	1774.2	5653.7	8758.1
77.5°	921.8	852.4	830.6	858.4	741.4	568.9	549.1	539.2	1005.1	3621.8	5739.0
80°	668.1	650.2	648.2	662.1	570.9	418.3	418.3	420.3	541.2	1966.5	3235.2
82.5°	424.2	463.9	410.4	455.9	388.5	297.4	277.5	315.2	311.2	838.5	1363.9
85°	176.4	241.9	226.0	239.9	184.4	162.6	174.4	188.3	180.4	323.1	531.3
87.5°	33.7	39.6	43.6	41.6	41.6	51.5	57.5	69.4	69.4	93.2	160.6
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: P640517

CATALOG NUMBER: GWS-SA5E-722-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3	3231.3
2.5°	3554.4	3611.9	3600.0	3625.8	3592.1	3604.0	3536.6	3518.7	3506.8	3510.8
5°	3919.2	4036.1	4057.9	4101.5	4071.8	4071.8	3952.9	3863.7	3831.9	3808.1
7.5°	4289.9	4458.4	4569.4	4581.3	4565.4	4533.7	4361.2	4200.7	4143.2	4093.6
10°	4618.9	4821.1	4946.0	5005.5	4975.8	4926.2	4712.1	4492.1	4422.7	4379.1
12.5°	4870.7	5049.1	5132.4	5172.0	5168.1	5150.2	4975.8	4737.9	4664.5	4597.1
15°	5033.3	5122.5	5090.7	5088.8	5116.5	5187.9	5134.4	4948.0	4862.8	4801.3
17.5°	5138.3	5053.1	4912.3	4846.9	4906.4	5074.9	5197.8	5092.7	5015.4	4948.0
20°	5176.0	4872.7	4668.5	4547.6	4617.0	4860.8	5164.1	5197.8	5132.4	5076.9
22.5°	5132.4	4652.6	4375.1	4232.4	4299.8	4591.2	5065.0	5283.0	5239.4	5185.9
25°	5025.3	4422.7	4089.6	3960.8	4034.1	4331.5	4888.5	5362.3	5364.3	5320.7
27.5°	4892.5	4210.6	3889.4	3768.5	3839.9	4117.4	4716.1	5431.7	5501.1	5485.2
30°	4757.7	4083.7	3794.3	3709.0	3762.6	4008.4	4539.6	5503.1	5641.8	5669.6
32.5°	4696.3	4145.2	4018.3	4055.9	3986.6	4071.8	4476.2	5604.2	5812.3	5857.9
35°	4777.5	4690.3	5011.5	5160.1	4914.3	4591.2	4557.5	5756.8	6052.2	6119.6
37.5°	5172.0	5857.9	6337.7	6861.0	6434.8	5723.1	4959.9	6016.5	6395.2	6502.2
40°	6030.4	6876.9	7743.2	8419.2	7774.9	6817.4	5725.1	6403.1	6867.0	6964.1
42.5°	6839.2	7832.4	9025.8	9900.0	9063.4	7711.4	6549.8	7053.3	7489.4	7542.9
45°	7632.2	8770.0	10578.0	11793.2	10657.3	8561.9	7392.3	8151.5	8480.6	8482.6
47.5°	8561.9	9826.6	12524.7	14255.3	12772.5	9503.5	8183.3	9890.1	10348.0	10124.0
50°	9674.0	10877.3	14528.8	17119.8	15351.5	10661.2	9188.3	12009.2	12633.7	12379.9
52.5°	11162.8	12035.0	16737.2	19913.0	18162.5	11979.5	10645.4	14808.4	15014.5	14540.7
55°	13258.1	13706.2	19572.0	23362.3	21300.6	13603.1	12776.4	18321.1	17744.3	16386.3
57.5°	18029.7	16350.7	23211.7	27297.3	24851.1	16552.9	17446.9	22194.7	20142.9	17853.3
60°	22022.2	19562.1	26579.7	31202.6	27894.0	19804.0	21831.9	22868.7	20053.7	17690.7
62.5°	20676.2	20380.8	27794.9	31632.8	28932.8	21403.7	21017.2	21169.8	18745.4	16610.3
65°	18140.7	18800.9	26710.6	29592.9	27781.0	19970.5	19011.0	19599.8	17248.7	15097.8
67.5°	16644.0	17129.7	24781.7	26328.0	25687.7	18420.3	17450.9	17024.7	14925.3	13097.6
70°	15113.6	15516.1	22073.8	22230.4	22422.7	15843.2	14269.2	13000.4	11125.1	9846.5
72.5°	13059.9	13081.7	18650.2	17742.3	18107.0	12397.8	11485.9	9719.6	8098.0	6938.3
75°	10956.6	10357.9	14762.8	12401.8	13133.3	9644.3	9537.2	7324.9	6107.7	5156.2
77.5°	8353.7	7654.0	10784.1	8155.5	9224.0	6422.9	7170.3	4967.8	4297.8	3431.5
80°	5608.1	5172.0	5959.0	4603.1	6034.4	4426.6	4676.4	2815.0	2440.3	1893.2
82.5°	2957.7	2525.5	3683.3	2729.7	3639.6	2432.4	1754.4	870.3	741.4	598.7
85°	1145.8	1326.2	1805.9	971.4	1411.5	868.3	507.5	216.1	180.4	136.8
87.5°	222.0	343.0	188.3	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)