

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: P641505

Luminaire Tested: GWS-SA6B-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12139.3 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

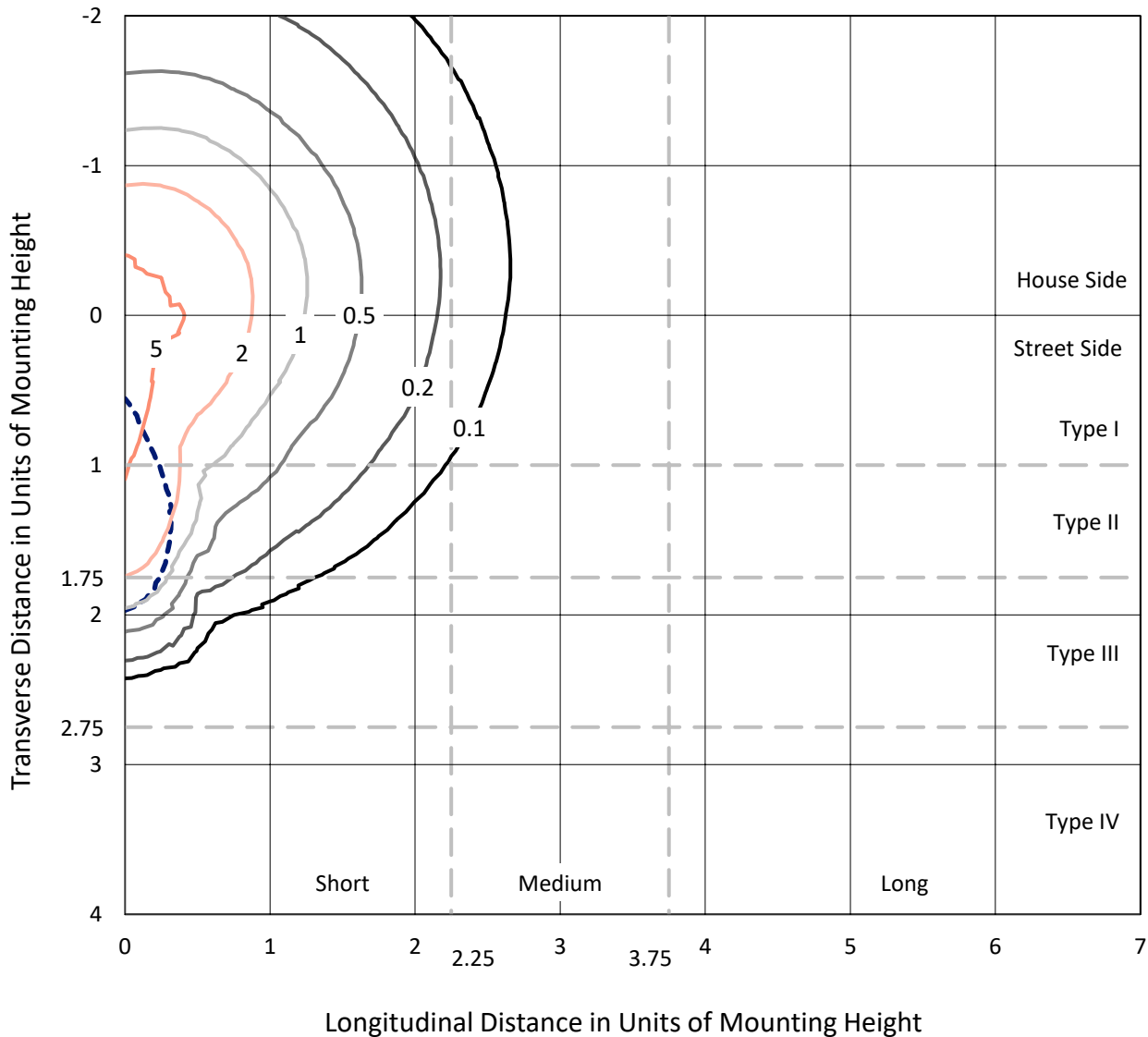
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

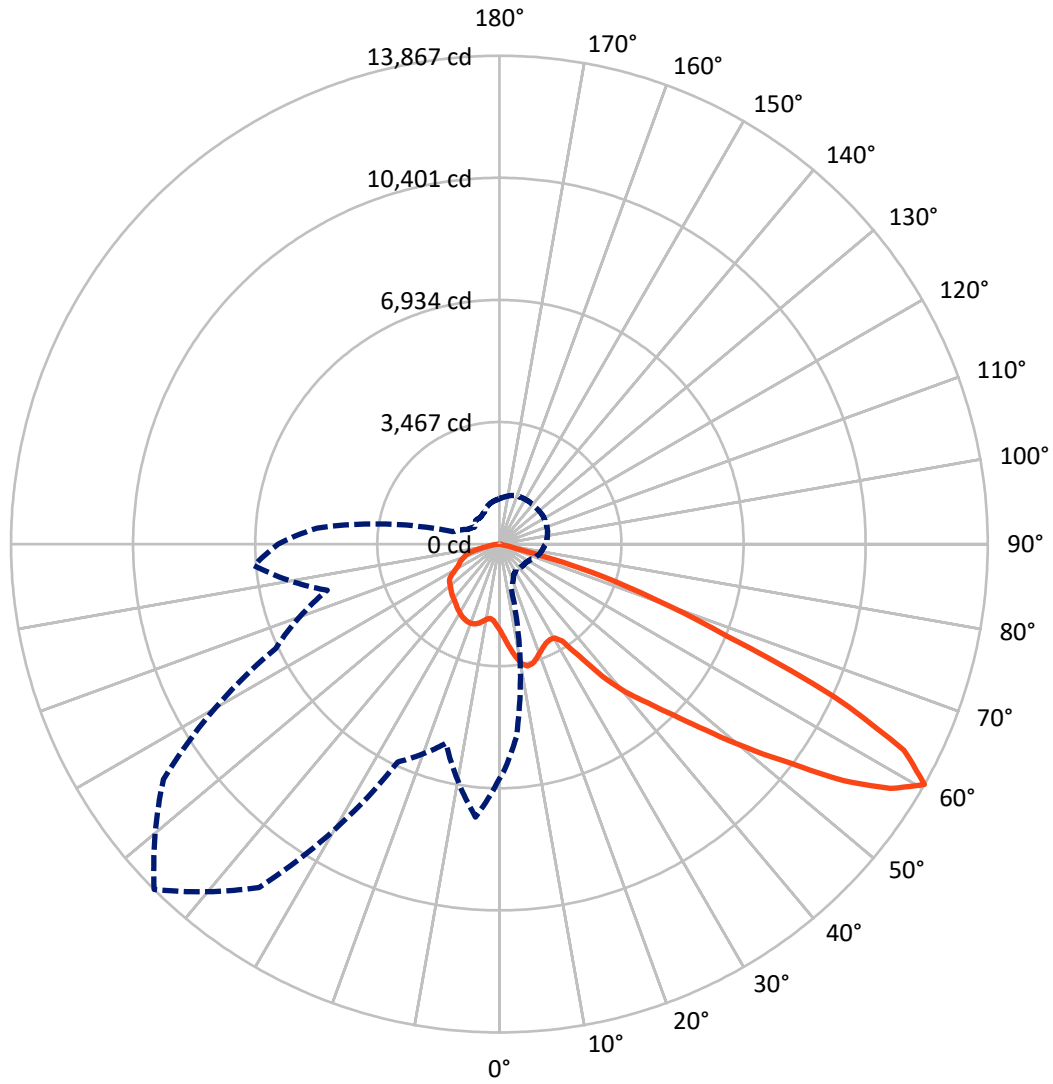
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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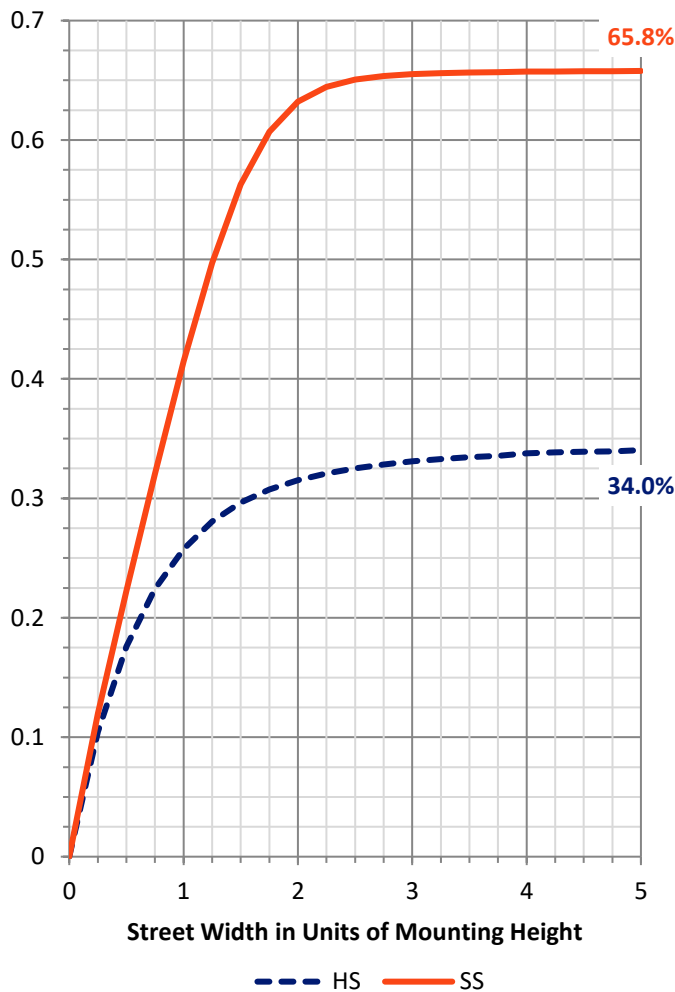
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4152.7	0.0	4152.7
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	7986.6	0.0	7986.6
	% Fixture	65.8	0.0	65.8
Total	Lumens	12139.3	0.0	12139.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.2	2.0
10°-20°	767.2	6.3
20°-30°	1249.5	10.3
30°-40°	1755.3	14.5
40°-50°	2402.0	19.8
50°-60°	3081.6	25.4
60°-70°	2075.0	17.1
70°-80°	518.8	4.3
80°-90°	50.6	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°	12139.3	100.0
0°-180°	12139.3	100.0

Coefficient of Utilization



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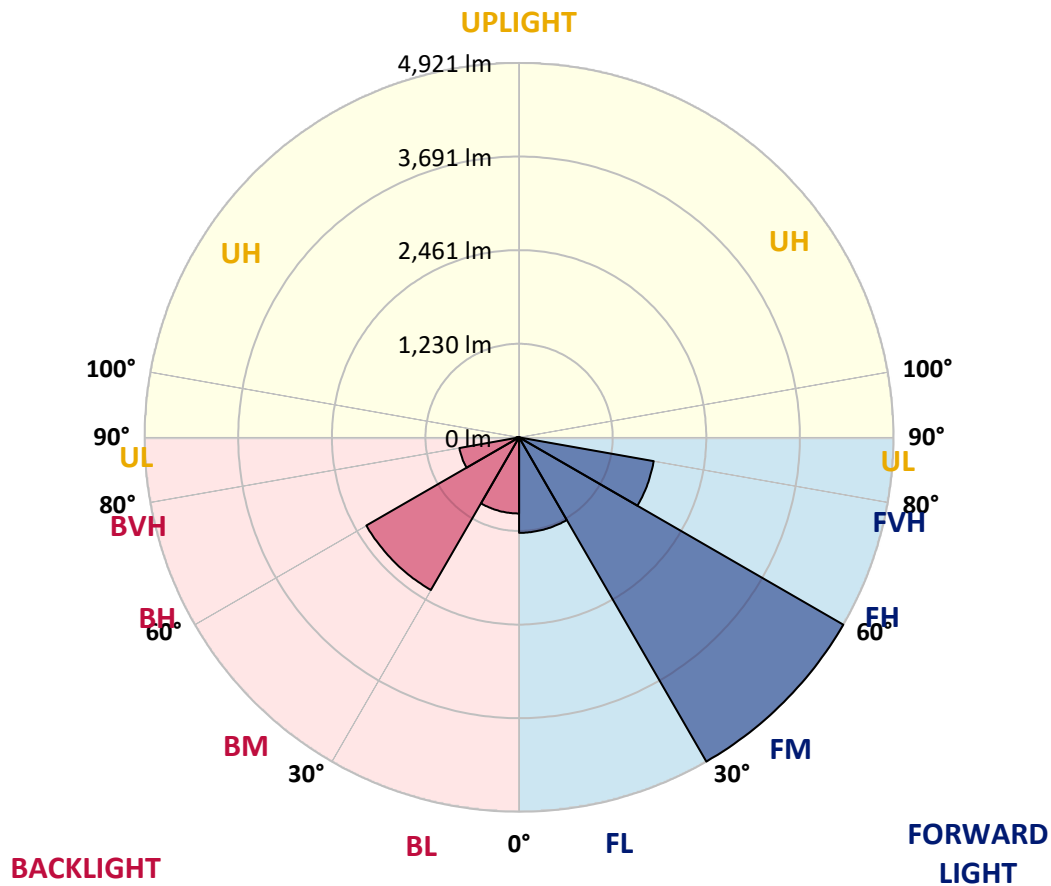
CATALOG NUMBER: GWS-SA6B-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1254.9	10.3			
FM (30°-60°)	4921.4	40.5			
FH (60°-80°)	1797.1	14.8			G1/1800
FVH (80°-90°)	13.1	0.1			G1/100
BL (0°-30°)	1001.1	8.2	B3/2500		
BM (30°-60°)	2317.6	19.1	B2/2500		
BH (60°-80°)	796.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	37.4	0.3			G1/100
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°	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4
2.5°	2590.4	2584.8	2579.2	2535.6	2524.4	2493.1	2470.7	2442.8	2402.5	2380.2	2361.2
5°	2752.5	2743.5	2713.3	2623.9	2565.8	2502.0	2449.5	2391.4	2329.9	2289.6	2258.3
7.5°	2905.6	2903.4	2852.0	2704.4	2610.5	2518.8	2447.2	2362.3	2274.0	2213.6	2173.3
10°	3047.6	3030.8	2969.3	2777.1	2654.1	2549.0	2471.8	2377.9	2275.1	2193.5	2139.8
12.5°	3172.8	3151.6	3066.6	2844.1	2692.1	2562.4	2478.6	2401.4	2333.2	2265.0	2203.5
15°	3275.7	3250.0	3163.9	2906.7	2725.6	2554.6	2437.2	2376.8	2400.3	2430.5	2362.3
17.5°	3371.8	3345.0	3239.9	2952.6	2735.7	2506.5	2335.5	2309.7	2428.2	2565.8	2534.5
20°	3452.3	3422.1	3300.3	2974.9	2717.8	2414.8	2203.5	2248.3	2404.8	2569.1	2619.4
22.5°	3539.5	3514.9	3368.5	3007.4	2695.4	2288.5	2092.9	2202.4	2364.5	2508.7	2584.8
25°	3679.3	3649.1	3474.7	3064.4	2684.3	2170.0	2013.5	2157.7	2308.6	2439.4	2498.7
27.5°	3881.6	3825.7	3620.0	3163.9	2696.6	2058.2	1963.2	2102.9	2243.8	2355.6	2403.6
30°	4101.9	4034.8	3781.0	3266.7	2714.4	1990.0	1936.3	2040.3	2144.3	2256.1	2308.6
32.5°	4362.3	4303.1	3953.2	3343.9	2676.4	1958.7	1916.2	1972.1	2054.8	2144.3	2187.9
35°	4673.1	4566.9	4141.0	3406.5	2553.5	1912.9	1898.3	1897.2	1940.8	2028.0	2077.2
37.5°	5007.4	4893.4	4372.4	3473.6	2362.3	1840.2	1855.8	1808.9	1849.1	1918.4	1974.3
40°	5281.3	5161.7	4606.1	3565.2	2123.0	1726.2	1761.9	1711.6	1736.2	1807.8	1870.4
42.5°	5549.6	5422.2	4824.1	3669.2	1891.6	1614.4	1632.2	1613.2	1621.1	1696.0	1783.2
45°	5901.8	5758.7	5092.4	3743.0	1683.7	1526.0	1509.3	1476.8	1518.2	1615.5	1708.3
47.5°	6489.9	6318.8	5531.7	3791.1	1532.7	1475.7	1398.6	1379.6	1431.0	1539.5	1635.6
50°	7177.4	7029.8	6233.8	3788.8	1419.8	1433.2	1291.3	1274.5	1359.5	1469.0	1570.8
52.5°	7740.9	7591.1	6834.2	3677.0	1327.0	1342.7	1228.7	1181.7	1298.0	1399.7	1501.4
55°	8195.9	8027.1	7110.3	3209.7	1209.7	1198.5	1160.5	1074.4	1220.8	1330.4	1425.4
57.5°	7951.0	7749.8	6776.1	2440.5	1088.9	1018.5	1043.1	979.3	1115.7	1253.3	1344.9
60°	6666.5	6485.4	5504.9	1299.1	958.1	850.8	902.2	912.3	1000.6	1160.5	1254.4
62.5°	4579.2	4447.3	3730.7	788.2	755.8	683.1	763.6	836.2	902.2	1037.5	1119.1
65°	2240.4	2201.3	1865.9	505.3	528.8	552.3	632.8	721.1	818.4	936.9	1022.9
67.5°	617.1	621.6	565.7	394.6	417.0	481.8	545.6	616.0	713.3	822.8	910.0
70°	271.7	276.1	285.1	304.1	346.6	405.8	471.8	544.5	633.9	725.6	809.4
72.5°	188.9	193.4	206.8	231.4	269.4	325.3	387.9	457.3	550.0	627.2	696.5
75°	116.3	119.6	131.9	153.2	178.9	221.4	282.8	346.6	428.2	498.6	560.1
77.5°	61.5	59.3	67.1	81.6	104.0	126.3	167.7	207.9	266.1	323.1	374.5
80°	33.5	32.4	36.9	44.7	51.4	69.3	97.3	124.1	157.6	190.1	218.0
82.5°	14.5	13.4	14.5	19.0	23.5	33.5	49.2	68.2	87.2	109.6	127.4
85°	0.0	0.0	0.0	1.1	5.6	8.9	16.8	24.6	35.8	49.2	60.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	10.1
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°	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4
2.5°	2350.0	2322.0	2319.8	2297.4	2299.7	2300.8	2278.4	2269.5	2277.3	2286.3	2281.8
5°	2247.1	2218.1	2205.8	2184.5	2182.3	2172.2	2163.3	2152.1	2159.9	2167.8	2172.2
7.5°	2157.7	2138.7	2130.9	2125.3	2127.5	2123.0	2105.1	2095.1	2094.0	2097.3	2101.8
10°	2128.6	2113.0	2123.0	2138.7	2149.9	2157.7	2138.7	2121.9	2106.3	2099.6	2099.6
12.5°	2191.2	2171.1	2191.2	2208.0	2230.4	2236.0	2214.7	2196.8	2191.2	2197.9	2211.4
15°	2329.9	2282.9	2281.8	2291.9	2309.7	2318.7	2298.6	2289.6	2289.6	2332.1	2365.6
17.5°	2468.5	2391.4	2358.9	2353.3	2364.5	2367.9	2351.1	2343.3	2363.4	2446.1	2508.7
20°	2565.8	2471.8	2401.4	2388.0	2391.4	2392.5	2379.1	2373.5	2402.5	2503.1	2555.7
22.5°	2555.7	2486.4	2400.3	2383.5	2389.1	2386.9	2374.6	2372.3	2395.8	2483.0	2507.6
25°	2486.4	2432.7	2360.0	2348.9	2357.8	2356.7	2344.4	2338.8	2348.9	2407.0	2409.2
27.5°	2407.0	2360.0	2297.4	2294.1	2308.6	2316.4	2295.2	2278.4	2275.1	2314.2	2305.3
30°	2312.0	2277.3	2227.0	2229.2	2256.1	2260.5	2234.8	2210.2	2203.5	2224.8	2212.5
32.5°	2199.1	2187.9	2161.0	2166.6	2192.4	2201.3	2174.5	2148.8	2140.9	2147.6	2121.9
35°	2102.9	2098.4	2100.7	2110.7	2133.1	2139.8	2117.4	2097.3	2086.1	2062.7	2029.1
37.5°	2003.4	2015.7	2048.1	2067.1	2079.4	2077.2	2064.9	2050.4	2032.5	1988.9	1947.5
40°	1910.6	1941.9	2000.1	2021.3	2025.8	2026.9	2017.9	2005.6	1983.3	1925.2	1878.2
42.5°	1839.1	1873.7	1950.9	1983.3	1985.5	1987.8	1978.8	1968.8	1937.5	1860.3	1814.5
45°	1764.2	1810.0	1900.6	1939.7	1937.5	1936.3	1928.5	1924.0	1887.1	1797.7	1747.4
47.5°	1700.4	1754.1	1851.4	1884.9	1883.8	1882.7	1877.1	1877.1	1840.2	1742.9	1685.9
50°	1637.8	1699.3	1801.1	1829.0	1831.2	1829.0	1826.8	1830.1	1786.5	1682.6	1626.7
52.5°	1569.6	1639.0	1745.2	1770.9	1784.3	1789.9	1789.9	1782.1	1730.6	1622.2	1560.7
55°	1494.7	1560.7	1683.7	1718.3	1729.5	1739.6	1739.6	1723.9	1675.8	1566.3	1500.3
57.5°	1401.9	1460.1	1557.3	1592.0	1618.8	1625.5	1625.5	1599.8	1560.7	1455.6	1401.9
60°	1301.3	1351.6	1417.6	1454.5	1474.6	1461.2	1471.3	1464.5	1433.2	1336.0	1291.3
62.5°	1167.2	1218.6	1291.3	1329.3	1338.2	1324.8	1338.2	1337.1	1294.6	1207.4	1153.8
65°	1071.0	1121.3	1192.9	1242.1	1256.6	1253.3	1262.2	1248.8	1196.2	1113.5	1062.1
67.5°	957.0	1010.7	1093.4	1148.2	1178.3	1181.7	1194.0	1166.0	1112.4	1021.8	957.0
70°	848.5	894.4	958.1	1009.5	1052.0	1073.3	1075.5	1035.2	968.2	893.3	846.3
72.5°	734.5	781.5	858.6	914.5	968.2	992.8	992.8	943.6	870.9	788.2	737.9
75°	595.9	639.5	709.9	770.3	831.8	863.1	862.0	819.5	739.0	660.7	608.2
77.5°	403.6	436.0	480.7	526.6	535.5	560.1	572.4	518.7	474.0	431.5	384.6
80°	234.8	254.9	279.5	305.2	310.8	318.6	298.5	278.4	254.9	226.9	205.7
82.5°	137.5	150.9	163.2	183.3	186.7	188.9	171.1	162.1	143.1	126.3	112.9
85°	67.1	71.6	82.7	92.8	88.3	86.1	78.3	69.3	61.5	54.8	48.1
87.5°	13.4	13.4	20.1	19.0	15.7	13.4	7.8	10.1	2.2	2.2	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°	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4
2.5°	2296.3	2315.3	2338.8	2370.1	2405.9	2443.9	2480.8	2508.7	2536.7	2578.1	2571.3
5°	2178.9	2211.4	2248.3	2296.3	2354.5	2420.4	2494.2	2568.0	2647.4	2714.4	2743.5
7.5°	2110.7	2146.5	2190.1	2252.7	2327.6	2408.1	2512.1	2631.7	2760.3	2848.6	2903.4
10°	2110.7	2156.6	2213.6	2274.0	2339.9	2422.7	2551.2	2701.0	2866.5	2982.8	3046.5
12.5°	2232.6	2278.4	2290.7	2288.5	2325.4	2417.1	2582.5	2773.7	2971.6	3094.6	3172.8
15°	2422.7	2438.3	2345.5	2260.5	2266.1	2376.8	2597.1	2831.8	3062.1	3209.7	3294.7
17.5°	2550.1	2508.7	2343.3	2194.6	2163.3	2308.6	2597.1	2887.7	3158.3	3324.9	3404.2
20°	2560.2	2457.3	2286.3	2130.9	2050.4	2218.1	2579.2	2930.2	3251.1	3435.5	3520.5
22.5°	2471.8	2370.1	2225.9	2076.1	1957.6	2108.5	2550.1	2962.6	3330.5	3539.5	3644.6
25°	2371.2	2286.3	2164.4	2020.2	1893.9	1997.8	2523.3	3017.4	3441.1	3680.4	3786.6
27.5°	2272.8	2201.3	2090.6	1973.2	1858.1	1901.7	2506.5	3097.9	3573.1	3880.5	3972.2
30°	2176.7	2111.9	2011.2	1928.5	1839.1	1839.1	2492.0	3190.7	3747.5	4105.2	4196.9
32.5°	2079.4	2017.9	1936.3	1884.9	1827.9	1814.5	2451.7	3277.9	3927.5	4351.2	4445.1
35°	1988.9	1927.4	1864.8	1843.5	1822.3	1795.5	2352.2	3346.1	4103.0	4638.5	4719.0
37.5°	1903.9	1844.7	1797.7	1792.1	1794.4	1744.0	2195.7	3403.1	4322.1	4932.5	4975.0
40°	1830.1	1764.2	1727.3	1726.2	1737.3	1661.3	1997.8	3484.7	4572.5	5181.8	5163.9
42.5°	1764.2	1694.9	1650.1	1660.2	1653.5	1578.6	1804.4	3559.6	4790.5	5415.5	5379.7
45°	1699.3	1632.2	1569.6	1584.2	1576.3	1527.2	1640.1	3614.4	5032.0	5696.1	5700.6
47.5°	1636.7	1570.8	1508.1	1490.3	1489.1	1511.5	1513.7	3632.3	5425.5	6147.8	6046.0
50°	1578.6	1512.6	1447.8	1387.4	1410.9	1480.2	1419.8	3618.9	6014.7	6646.4	6362.4
52.5°	1518.2	1455.6	1384.1	1275.6	1337.1	1405.3	1336.0	3570.8	6374.7	7086.9	6916.9
55°	1448.9	1389.6	1292.4	1160.5	1235.4	1249.9	1249.9	3105.7	6527.9	7522.9	7628.0
57.5°	1356.1	1277.8	1123.6	1017.4	1084.4	1028.5	1158.2	2173.3	6275.2	7385.4	7793.4
60°	1251.0	1167.2	1003.9	927.9	948.0	849.7	987.2	1362.8	5200.8	6284.1	6990.7
62.5°	1112.4	1035.2	900.0	840.7	799.4	693.1	794.9	862.0	3565.2	4666.4	5148.3
65°	1019.6	934.6	813.9	735.6	650.7	557.9	527.7	565.7	1917.3	2611.6	2936.9
67.5°	910.0	826.2	712.2	613.8	545.6	478.5	425.9	412.5	657.4	869.8	941.3
70°	806.1	725.6	630.5	538.9	470.7	404.7	353.3	316.4	304.1	301.9	297.4
72.5°	699.9	624.9	545.6	460.6	385.7	325.3	279.5	237.0	219.1	213.5	207.9
75°	573.5	514.3	434.9	343.2	282.8	226.9	191.2	163.2	147.6	142.0	135.3
77.5°	368.9	342.1	272.8	221.4	171.1	135.3	116.3	98.4	88.3	86.1	80.5
80°	196.8	183.3	150.9	127.4	101.7	82.7	72.7	62.6	57.0	54.8	52.5
82.5°	109.6	99.5	83.8	73.8	59.3	50.3	44.7	40.2	36.9	35.8	34.7
85°	49.2	42.5	33.5	31.3	27.9	25.7	24.6	22.4	21.2	20.1	19.0
87.5°	2.2	4.5	5.6	4.5	4.5	6.7	7.8	7.8	6.7	6.7	5.6
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: P641505

CATALOG NUMBER: GWS-SA6B-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4
2.5°	2612.7	2646.2	2649.6	2660.8	2646.2	2642.9	2619.4	2606.0	2593.7	2590.4
5°	2816.2	2883.3	2910.1	2929.1	2911.2	2902.3	2850.8	2797.2	2767.0	2752.5
7.5°	3025.2	3125.9	3178.4	3201.9	3204.1	3163.9	3075.6	2974.9	2924.6	2905.6
10°	3211.9	3336.0	3405.4	3450.1	3434.4	3385.2	3264.5	3128.1	3064.4	3047.6
12.5°	3350.6	3469.1	3522.7	3551.8	3550.7	3523.9	3409.8	3262.3	3189.6	3172.8
15°	3440.0	3510.4	3513.8	3520.5	3539.5	3575.3	3516.0	3379.6	3299.1	3275.7
17.5°	3510.4	3482.5	3430.0	3412.1	3454.5	3554.0	3589.8	3479.1	3391.9	3371.8
20°	3555.2	3414.3	3321.5	3286.8	3336.0	3498.1	3634.5	3568.6	3478.0	3452.3
22.5°	3589.8	3350.6	3200.8	3177.3	3228.7	3437.8	3680.4	3674.8	3575.3	3539.5
25°	3644.6	3308.1	3115.8	3099.0	3147.1	3408.7	3741.9	3819.0	3730.7	3679.3
27.5°	3730.7	3303.6	3072.2	3066.6	3132.6	3434.4	3830.2	4030.3	3919.6	3881.6
30°	3850.3	3346.1	3082.3	3093.4	3173.9	3527.2	3967.7	4271.8	4161.1	4101.9
32.5°	4022.5	3460.1	3235.4	3283.5	3342.7	3675.9	4168.9	4533.4	4449.5	4362.3
35°	4249.4	3773.2	3688.2	3892.8	3836.9	4001.2	4411.5	4850.9	4749.2	4673.1
37.5°	4552.4	4414.9	4493.1	4774.9	4639.6	4616.1	4707.8	5139.3	5083.4	5007.4
40°	4977.2	5005.2	5149.4	5519.4	5323.8	5172.9	5071.1	5356.2	5375.2	5281.3
42.5°	5259.0	5387.5	5735.2	6155.6	5886.1	5525.0	5375.2	5633.5	5634.6	5549.6
45°	5364.0	5700.6	6427.2	6911.3	6460.8	5726.3	5542.9	6010.2	5999.1	5901.8
47.5°	5326.0	5964.4	7146.1	7886.2	7198.6	5869.4	5519.4	6546.9	6637.4	6489.9
50°	5246.7	6229.4	7985.7	9080.2	8104.2	6021.4	5483.7	7141.6	7291.4	7177.4
52.5°	5327.2	6524.5	8978.5	10314.4	9240.1	6264.0	5725.2	7905.2	7878.4	7740.9
55°	5582.1	6873.3	10184.8	11865.1	10487.7	6674.3	6345.6	8633.0	8360.2	8195.9
57.5°	5569.8	7122.6	11242.4	13091.5	11573.3	7010.8	6561.4	8710.2	8159.0	7951.0
60°	5055.5	7008.6	11644.8	13867.4	11900.9	6825.2	5851.5	7780.0	6884.5	6666.5
62.5°	3773.2	6219.3	10864.5	12895.9	10974.1	5895.1	4400.4	5584.3	4947.0	4579.2
65°	2413.7	4865.4	9133.9	10447.5	9045.5	4508.8	2620.5	2993.9	2345.5	2240.4
67.5°	1027.4	3434.4	7100.3	6982.9	6767.1	2921.3	1011.8	843.0	628.3	617.1
70°	339.9	2336.6	4376.9	4657.5	4041.5	2012.4	334.3	282.8	281.7	271.7
72.5°	222.5	1254.4	2464.0	2743.5	2600.4	1158.2	202.4	188.9	193.4	188.9
75°	133.0	272.8	414.8	538.9	414.8	194.5	121.9	119.6	121.9	116.3
77.5°	78.3	76.0	73.8	73.8	72.7	67.1	61.5	59.3	60.4	61.5
80°	50.3	48.1	45.8	44.7	39.1	36.9	34.7	32.4	32.4	33.5
82.5°	32.4	30.2	27.9	24.6	20.1	16.8	15.7	13.4	13.4	14.5
85°	16.8	13.4	10.1	7.8	4.5	2.2	0.0	0.0	0.0	0.0
87.5°	3.4	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)