

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: P641509

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641509  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

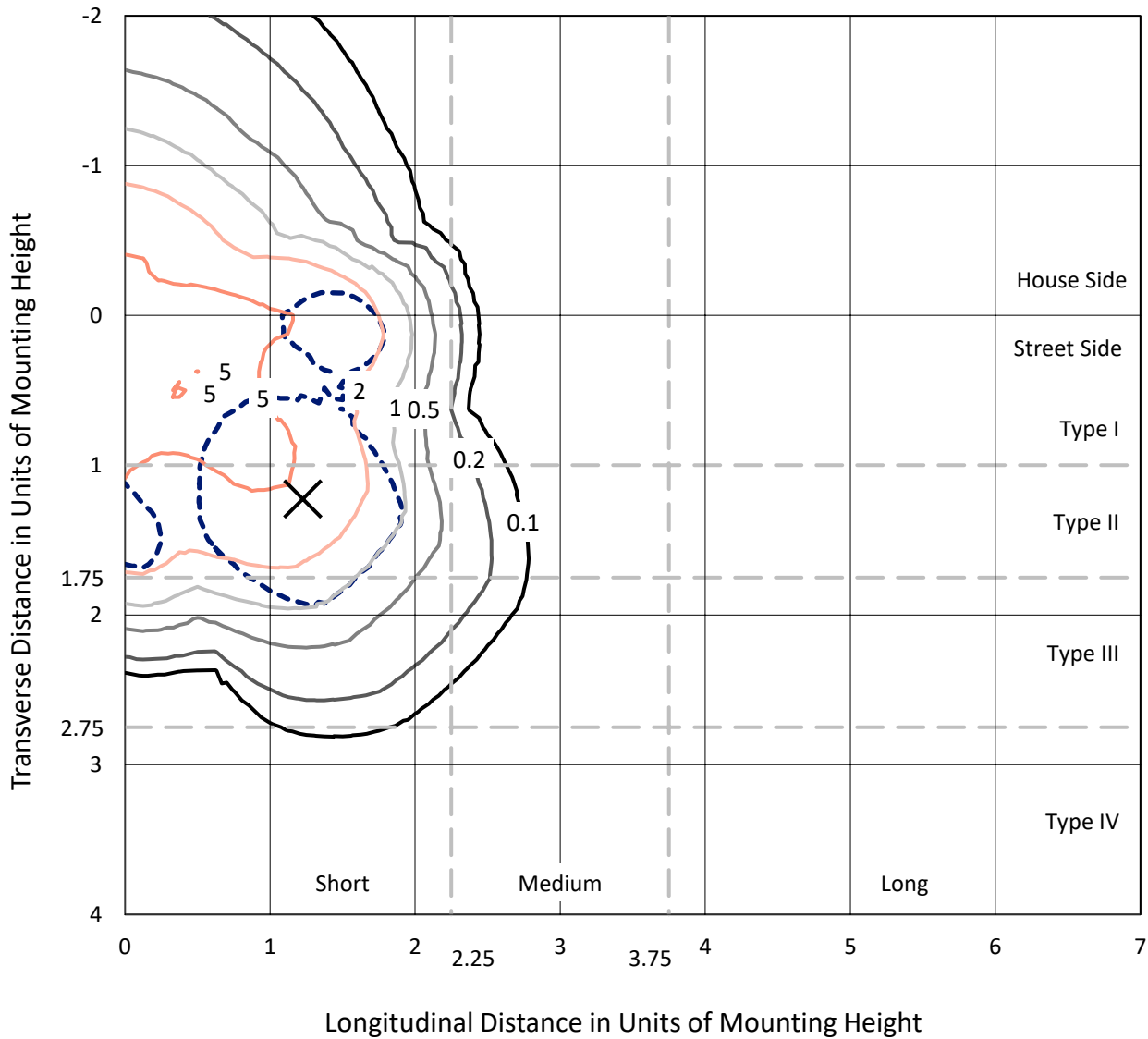
Lumens per Lamp: N/A  
Luminaire Lumens: 12201.9 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

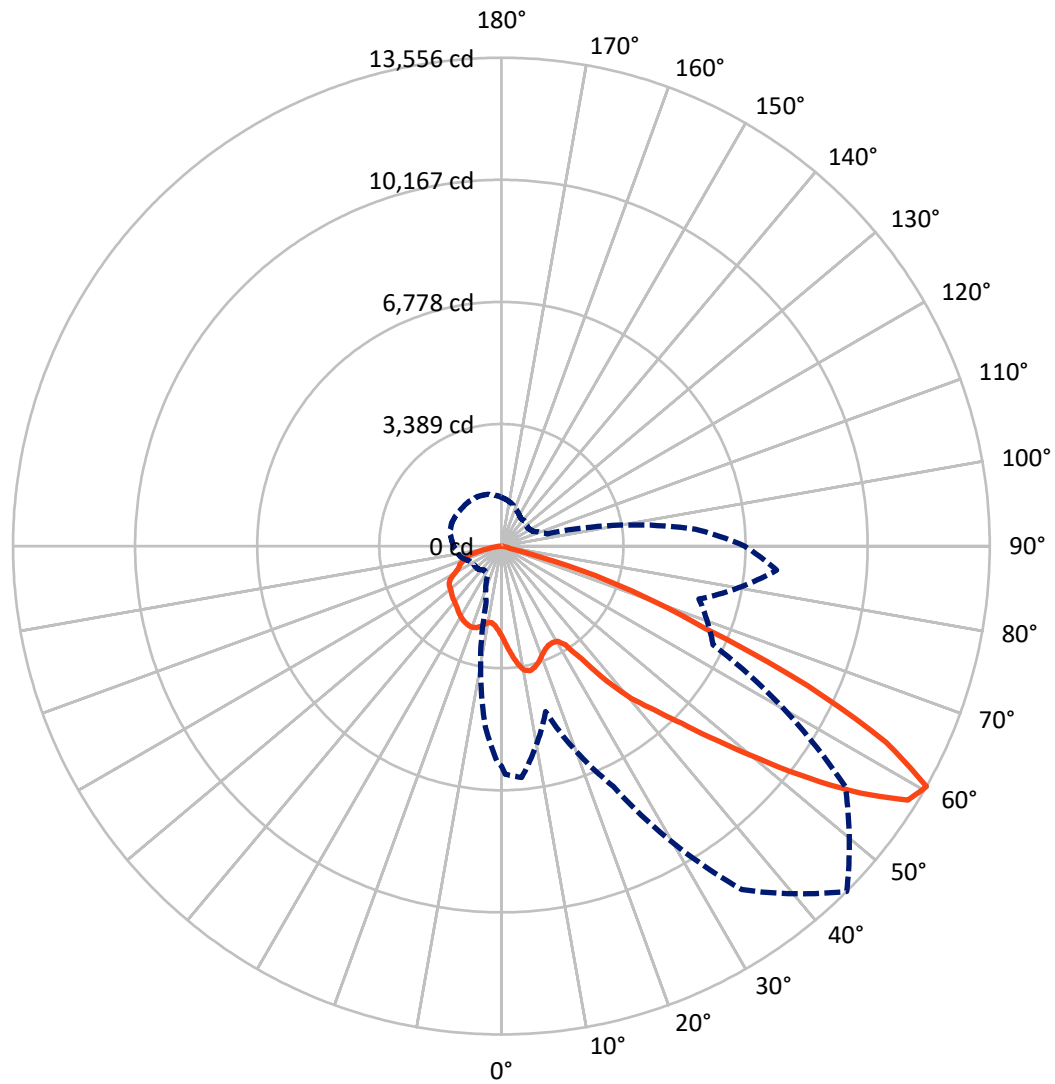
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4277.2	0.0	4277.2
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	7924.7	0.0	7924.7
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	12201.9	0.0	12201.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.6	2.0
10°-20°	772.8	6.3
20°-30°	1255.4	10.3
30°-40°	1770.4	14.5
40°-50°	2446.7	20.1
50°-60°	3149.6	25.8
60°-70°	1995.6	16.4
70°-80°	512.1	4.2
80°-90°	54.8	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°	12201.9	100.0
0°-180°	12201.9	100.0

**Coefficient of Utilization**



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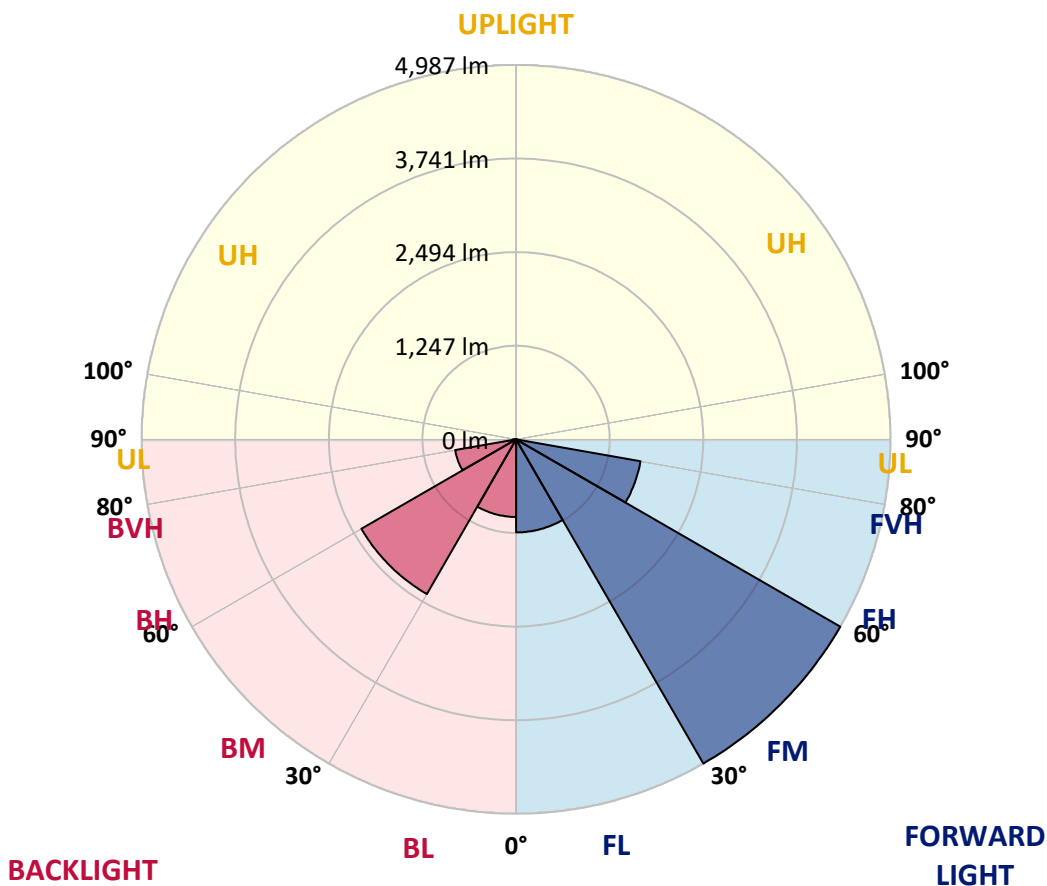
CATALOG NUMBER: GWS-SA6B-722-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1239.0	10.2			
FM (30°-60°)	4987.4	40.9			
FH (60°-80°)	1683.4	13.8			G1/1800
FVH (80°-90°)	14.9	0.1			G1/100
BL (0°-30°)	1033.8	8.5	B3/2500		
BM (30°-60°)	2379.3	19.5	B2/2500		
BH (60°-80°)	824.3	6.8	B2/1000		G2/1000
BVH (80°-90°)	39.9	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°	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6
2.5°	2621.8	2639.7	2650.9	2672.1	2710.1	2731.4	2754.8	2729.1	2735.8	2732.5	2691.1
5°	2777.2	2798.4	2827.5	2890.1	2960.5	2999.7	3036.6	3031.0	2996.3	2938.2	2896.8
7.5°	2922.5	2947.1	2997.4	3099.2	3203.2	3263.5	3308.3	3279.2	3250.1	3158.4	3054.5
10°	3036.6	3051.1	3119.3	3255.7	3376.5	3444.7	3499.4	3492.7	3452.5	3349.6	3209.9
12.5°	3143.9	3154.0	3227.8	3364.2	3472.6	3502.8	3547.5	3562.1	3548.6	3471.5	3334.0
15°	3259.1	3278.1	3346.3	3450.2	3499.4	3468.1	3483.8	3524.0	3562.1	3562.1	3435.7
17.5°	3366.4	3383.2	3452.5	3497.2	3450.2	3367.5	3372.0	3423.4	3514.0	3609.0	3528.5
20°	3461.4	3477.1	3545.3	3502.8	3354.1	3233.3	3230.0	3292.6	3439.1	3639.2	3628.0
22.5°	3565.4	3587.8	3644.8	3507.3	3264.7	3111.5	3110.4	3175.2	3373.1	3669.4	3742.1
25°	3713.0	3747.6	3776.7	3546.4	3216.6	3032.1	3046.6	3108.1	3351.9	3718.6	3910.9
27.5°	3932.1	3960.1	3957.8	3628.0	3214.3	2999.7	3029.9	3101.4	3389.9	3805.8	4088.6
30°	4169.1	4183.7	4160.2	3742.1	3265.8	3019.8	3064.5	3149.5	3486.0	3950.0	4350.3
32.5°	4431.9	4449.8	4405.0	3913.1	3385.4	3168.5	3266.9	3308.3	3621.3	4158.0	4627.5
35°	4733.7	4768.4	4675.6	4139.0	3737.6	3710.7	3853.9	3800.2	3908.6	4403.9	4923.8
37.5°	5051.3	5052.4	4919.3	4473.2	4428.5	4474.4	4760.6	4592.9	4518.0	4677.8	5225.7
40°	5320.7	5314.0	5109.4	4923.8	5030.0	5212.3	5557.7	5300.6	5103.8	5045.7	5476.1
42.5°	5590.2	5565.6	5358.7	5210.0	5444.8	5819.4	6209.6	5894.3	5479.5	5380.0	5723.2
45°	5934.5	5926.7	5677.4	5324.1	5819.4	6499.1	7016.8	6505.8	5702.0	5574.5	6134.6
47.5°	6490.2	6452.2	5988.2	5315.1	6170.4	7404.7	8058.8	7276.2	5857.4	5579.0	6798.8
50°	7033.5	6986.6	6359.4	5314.0	6532.7	8343.9	9288.6	8211.9	6016.1	5605.8	7474.0
52.5°	7582.5	7582.5	6968.7	5440.3	6912.8	9392.6	10709.6	9378.1	6286.7	5956.9	8304.7
55°	7909.0	7996.2	7654.0	5653.9	7357.8	10626.9	12115.0	10637.0	6704.8	6590.8	9071.7
57.5°	7494.2	7657.4	7608.2	5505.2	7620.5	11533.6	13306.8	11591.8	6911.7	6665.7	8956.6
60°	6106.7	6333.7	6446.6	4753.9	7361.1	11638.7	13556.1	11654.4	6484.6	5676.2	7671.9
62.5°	4059.6	4246.3	4418.5	3396.6	6372.8	10470.4	11989.8	10473.7	5415.7	4236.2	5315.1
65°	1991.2	2129.9	2315.4	2008.0	4978.6	8748.6	9347.9	8463.5	3917.6	2371.3	2711.2
67.5°	521.0	560.1	585.8	779.3	3566.5	6285.6	6096.6	6190.5	2516.7	774.8	708.8
70°	270.6	272.8	271.7	322.0	2410.5	3994.7	4201.6	3887.4	1756.4	324.2	279.5
72.5°	193.4	194.5	191.2	216.9	1163.9	2288.6	2371.3	2345.6	920.1	192.3	191.2
75°	126.3	127.5	125.2	127.5	175.5	260.5	240.4	252.7	153.2	121.9	121.9
77.5°	74.9	76.0	74.9	77.1	74.9	74.9	69.3	69.3	66.0	66.0	67.1
80°	50.3	50.3	49.2	51.4	47.0	47.0	44.7	43.6	40.2	39.1	39.1
82.5°	30.2	31.3	30.2	30.2	28.0	28.0	25.7	24.6	21.2	21.2	20.1
85°	15.7	15.7	14.5	14.5	12.3	11.2	8.9	8.9	6.7	5.6	5.6
87.5°	2.2	2.2	1.1	1.1	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°	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6
2.5°	2679.9	2657.6	2624.0	2591.6	2561.4	2530.1	2494.3	2457.4	2426.1	2393.7	2376.9
5°	2842.0	2796.2	2709.0	2631.8	2562.5	2505.5	2444.0	2391.5	2342.3	2302.0	2281.9
7.5°	2988.5	2916.9	2785.0	2663.2	2569.2	2491.0	2406.0	2327.7	2261.8	2212.6	2193.6
10°	3123.8	3038.8	2865.5	2711.2	2601.7	2514.5	2410.5	2304.3	2217.1	2152.2	2136.6
12.5°	3233.3	3136.1	2929.2	2750.4	2620.7	2526.8	2435.1	2343.4	2257.3	2173.5	2160.0
15°	3330.6	3215.5	2977.3	2775.0	2614.0	2494.3	2417.2	2406.0	2406.0	2311.0	2284.1
17.5°	3414.5	3288.1	3016.5	2786.1	2571.5	2398.2	2351.2	2448.5	2558.1	2489.9	2429.5
20°	3510.6	3357.5	3048.9	2786.1	2493.2	2276.3	2271.8	2437.3	2599.4	2600.5	2536.8
22.5°	3607.9	3437.9	3086.9	2776.1	2385.9	2135.4	2218.2	2392.6	2536.8	2598.3	2554.7
25°	3765.5	3549.8	3147.3	2768.2	2260.7	2039.3	2170.1	2333.3	2455.2	2520.0	2492.1
27.5°	3965.7	3697.3	3238.9	2780.5	2136.6	1982.3	2118.7	2256.2	2366.9	2423.9	2403.8
30°	4189.3	3867.3	3337.3	2801.8	2047.1	1953.2	2057.2	2167.9	2266.3	2323.3	2314.3
32.5°	4474.4	4051.7	3422.3	2772.7	1996.8	1938.7	1992.3	2071.7	2166.7	2202.5	2210.3
35°	4815.4	4255.2	3487.1	2658.7	1951.0	1923.0	1921.9	1971.1	2038.2	2095.2	2100.8
37.5°	5129.5	4493.4	3558.7	2463.0	1868.2	1883.9	1839.2	1868.2	1934.2	1991.2	2013.6
40°	5440.3	4734.9	3658.2	2213.7	1759.8	1796.7	1744.1	1764.3	1816.8	1891.7	1927.5
42.5°	5742.2	4952.9	3763.3	1958.8	1651.3	1674.8	1635.7	1655.8	1710.6	1804.5	1844.8
45°	6070.9	5248.0	3844.9	1718.4	1557.4	1547.4	1516.1	1545.1	1627.9	1730.7	1778.8
47.5°	6692.5	5713.1	3898.6	1558.5	1507.1	1434.4	1398.7	1461.3	1555.2	1659.2	1717.3
50°	7451.7	6386.2	3882.9	1456.8	1463.5	1318.2	1305.9	1388.6	1489.2	1597.7	1661.4
52.5°	8053.2	7047.0	3705.2	1359.5	1378.5	1244.4	1208.6	1329.3	1425.5	1536.2	1602.1
55°	8512.7	7269.4	3159.6	1244.4	1239.9	1190.7	1115.8	1267.8	1361.8	1464.6	1536.2
57.5°	8138.2	6774.2	2342.3	1085.6	1058.8	1084.5	1011.8	1163.9	1283.5	1385.2	1449.0
60°	6754.0	5401.2	1304.7	961.5	885.5	948.1	936.9	1054.3	1198.5	1305.9	1360.6
62.5°	4585.0	3596.7	773.7	760.3	717.8	807.2	866.5	943.6	1085.6	1172.8	1224.2
65°	2285.3	1747.5	514.3	569.1	574.7	664.1	775.9	860.9	979.4	1068.8	1120.3
67.5°	663.0	543.4	391.3	434.9	495.3	566.8	656.3	756.9	872.1	978.3	1038.7
70°	286.2	289.6	310.8	362.2	421.5	495.3	584.7	683.1	780.4	862.0	907.8
72.5°	202.4	210.2	233.7	286.2	342.1	412.6	502.0	597.0	667.5	750.2	798.3
75°	129.7	135.3	154.3	194.5	235.9	304.1	389.1	476.3	549.0	608.2	654.0
77.5°	71.6	72.7	88.3	111.8	139.8	183.4	246.0	314.2	367.8	401.4	442.7
80°	41.4	41.4	49.2	63.7	80.5	107.3	142.0	175.5	208.0	229.2	249.3
82.5°	22.4	22.4	25.7	34.7	43.6	59.3	79.4	96.2	116.3	127.5	140.9
85°	6.7	6.7	8.9	12.3	15.7	22.4	31.3	40.2	49.2	57.0	64.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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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CATALOG NUMBER: GWS-SA6B-722-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6
2.5°	2373.6	2357.9	2349.0	2337.8	2341.2	2331.1	2325.5	2328.9	2308.7	2328.9	2349.0
5°	2274.1	2251.7	2233.8	2219.3	2212.6	2199.2	2191.3	2191.3	2179.0	2199.2	2223.8
7.5°	2186.9	2169.0	2160.0	2151.1	2141.0	2128.7	2115.3	2110.8	2103.0	2124.3	2145.5
10°	2128.7	2131.0	2136.6	2148.9	2146.6	2138.8	2118.7	2107.5	2107.5	2132.1	2164.5
12.5°	2155.6	2179.0	2192.5	2214.8	2219.3	2212.6	2192.5	2183.5	2205.9	2242.8	2296.4
15°	2259.5	2275.2	2286.4	2304.3	2303.1	2297.6	2281.9	2288.6	2362.4	2434.0	2482.0
17.5°	2372.5	2354.6	2352.3	2363.5	2366.9	2360.2	2351.2	2381.4	2503.3	2570.4	2595.0
20°	2454.1	2392.6	2379.2	2383.6	2392.6	2389.2	2389.2	2438.4	2564.8	2596.1	2564.8
22.5°	2478.7	2391.5	2371.3	2372.5	2384.8	2385.9	2391.5	2442.9	2516.7	2517.8	2469.7
25°	2439.5	2355.7	2341.2	2343.4	2357.9	2356.8	2359.0	2388.1	2420.5	2407.1	2371.3
27.5°	2365.8	2293.1	2288.6	2300.9	2319.9	2309.9	2303.1	2311.0	2326.6	2309.9	2278.5
30°	2281.9	2220.4	2222.6	2246.1	2266.3	2249.5	2232.7	2237.2	2238.3	2220.4	2184.6
32.5°	2193.6	2147.7	2155.6	2180.2	2203.6	2185.8	2167.9	2165.6	2144.4	2123.1	2088.5
35°	2105.3	2087.4	2097.4	2117.6	2137.7	2123.1	2112.0	2105.3	2059.4	2028.1	1999.0
37.5°	2024.8	2038.2	2056.1	2068.4	2075.1	2073.9	2067.2	2051.6	1991.2	1954.3	1916.3
40°	1953.2	1994.6	2013.6	2019.2	2029.2	2027.0	2025.9	2003.5	1924.1	1885.0	1841.4
42.5°	1888.4	1946.5	1978.9	1984.5	1990.1	1991.2	1987.9	1955.4	1864.9	1819.0	1777.7
45°	1825.7	1901.8	1943.1	1937.5	1945.4	1945.4	1948.7	1906.2	1806.7	1759.8	1716.2
47.5°	1771.0	1860.4	1898.4	1891.7	1896.2	1899.5	1902.9	1853.7	1743.0	1698.3	1653.6
50°	1720.7	1815.7	1848.1	1850.3	1850.3	1858.2	1857.1	1809.0	1689.3	1641.3	1596.5
52.5°	1667.0	1769.8	1804.5	1819.0	1823.5	1826.9	1811.2	1755.3	1634.6	1576.4	1535.1
55°	1604.4	1722.9	1754.2	1773.2	1782.1	1779.9	1758.7	1701.6	1578.7	1520.5	1473.6
57.5°	1509.3	1622.3	1667.0	1675.9	1690.5	1681.5	1656.9	1608.8	1489.2	1431.1	1383.0
60°	1405.4	1487.0	1522.8	1530.6	1519.4	1522.8	1519.4	1473.6	1369.6	1323.7	1274.6
62.5°	1269.0	1341.6	1379.7	1389.7	1370.7	1383.0	1378.5	1321.5	1217.5	1169.5	1125.9
65°	1166.1	1245.5	1290.2	1295.8	1290.2	1295.8	1280.1	1210.8	1112.4	1063.2	1018.5
67.5°	1085.6	1167.2	1214.2	1229.8	1224.2	1223.1	1198.5	1118.0	1016.3	962.6	905.6
70°	947.0	1018.5	1078.9	1116.9	1116.9	1095.7	1048.7	973.8	892.2	846.4	801.6
72.5°	838.5	929.1	988.3	1027.5	1035.3	1023.0	957.0	877.7	783.7	737.9	690.9
75°	690.9	779.3	843.0	894.4	904.5	891.1	815.0	736.8	649.6	604.9	557.9
77.5°	461.7	514.3	565.7	612.7	602.6	611.6	560.1	500.9	447.2	413.7	392.4
80°	260.5	295.2	310.8	336.5	336.5	336.5	303.0	275.0	244.8	225.8	204.6
82.5°	147.6	169.9	176.6	197.9	203.5	204.6	182.2	164.4	145.3	135.3	120.7
85°	68.2	80.5	81.6	93.9	98.4	107.3	97.3	85.0	73.8	69.3	60.4
87.5°	2.2	6.7	8.9	16.8	22.4	25.7	28.0	28.0	23.5	21.2	17.9
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6	2506.6
2.5°	2373.6	2400.4	2431.7	2454.1	2494.3	2527.9	2562.5	2600.5	2628.5	2621.8
5°	2254.0	2298.7	2355.7	2408.2	2483.1	2559.2	2643.0	2729.1	2779.4	2777.2
7.5°	2186.9	2250.6	2319.9	2390.4	2478.7	2588.2	2716.8	2851.0	2919.2	2922.5
10°	2222.6	2290.8	2337.8	2397.1	2489.9	2627.4	2781.7	2942.7	3020.9	3036.6
12.5°	2335.6	2330.0	2326.6	2369.1	2480.9	2655.3	2844.3	3036.6	3124.9	3143.9
15°	2442.9	2327.7	2258.4	2287.5	2440.7	2673.2	2905.8	3139.4	3238.9	3259.1
17.5°	2463.0	2288.6	2160.0	2180.2	2376.9	2678.8	2965.0	3240.1	3347.4	3366.4
20°	2407.1	2238.3	2088.5	2060.5	2296.4	2664.3	3001.9	3323.9	3441.3	3461.4
22.5°	2336.7	2193.6	2034.8	1962.1	2198.1	2649.7	3043.3	3412.2	3547.5	3565.4
25°	2262.9	2136.6	1984.5	1873.8	2086.2	2640.8	3112.6	3528.5	3691.7	3713.0
27.5°	2184.6	2067.2	1940.9	1831.3	1983.4	2652.0	3211.0	3716.3	3901.9	3932.1
30°	2100.8	1997.9	1913.0	1816.8	1913.0	2662.0	3319.4	3908.6	4126.7	4169.1
32.5°	2013.6	1934.2	1883.9	1823.5	1869.3	2638.6	3414.5	4124.4	4395.0	4431.9
35°	1926.4	1869.3	1847.0	1835.8	1811.2	2552.5	3491.6	4342.4	4701.3	4733.7
37.5°	1844.8	1802.3	1795.6	1807.9	1721.8	2411.6	3581.1	4619.7	5002.1	5051.3
40°	1768.7	1729.6	1728.5	1726.2	1623.4	2219.3	3701.8	4901.5	5298.4	5320.7
42.5°	1698.3	1649.1	1658.0	1631.2	1542.9	2011.3	3815.8	5141.8	5574.5	5590.2
45°	1635.7	1570.8	1580.9	1547.4	1504.9	1793.3	3916.5	5425.8	5924.5	5934.5
47.5°	1575.3	1506.0	1478.0	1475.8	1498.2	1592.1	4014.9	5972.5	6472.3	6490.2
50°	1519.4	1444.5	1365.1	1414.3	1456.8	1441.1	4137.8	6558.4	7038.0	7033.5
52.5°	1465.7	1367.4	1254.4	1349.5	1349.5	1329.3	4103.2	6913.9	7505.3	7582.5
55°	1404.2	1243.3	1139.3	1241.0	1191.8	1228.7	3489.4	7030.2	7799.4	7909.0
57.5°	1282.4	1090.1	999.5	1054.3	980.5	1139.3	2506.6	6453.3	7299.6	7494.2
60°	1165.0	977.2	917.9	907.8	811.7	929.1	1624.5	5052.4	6008.3	6106.7
62.5°	1027.5	879.9	829.6	752.4	652.9	676.4	983.9	3325.0	4037.2	4059.6
65°	923.5	797.2	701.0	609.3	534.4	490.8	581.4	1603.3	2018.0	1991.2
67.5°	792.7	683.1	591.4	525.5	464.0	409.2	386.8	476.3	538.9	521.0
70°	705.5	600.4	512.1	449.4	392.4	337.6	298.5	280.6	275.0	270.6
72.5°	608.2	516.5	424.9	364.5	310.8	260.5	224.7	203.5	197.9	193.4
75°	485.2	399.1	315.3	258.3	211.3	175.5	152.1	134.2	130.8	126.3
77.5°	320.9	256.0	187.8	153.2	125.2	106.2	90.6	79.4	77.1	74.9
80°	176.6	147.6	115.2	92.8	74.9	64.8	59.3	52.5	51.4	50.3
82.5°	105.1	88.3	66.0	52.5	43.6	39.1	35.8	32.4	31.3	30.2
85°	52.5	41.4	29.1	24.6	22.4	20.1	20.1	16.8	15.7	15.7
87.5°	13.4	11.2	6.7	5.6	5.6	5.6	4.5	3.4	3.4	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)