

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: P641504

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641504  
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-SA6B-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**

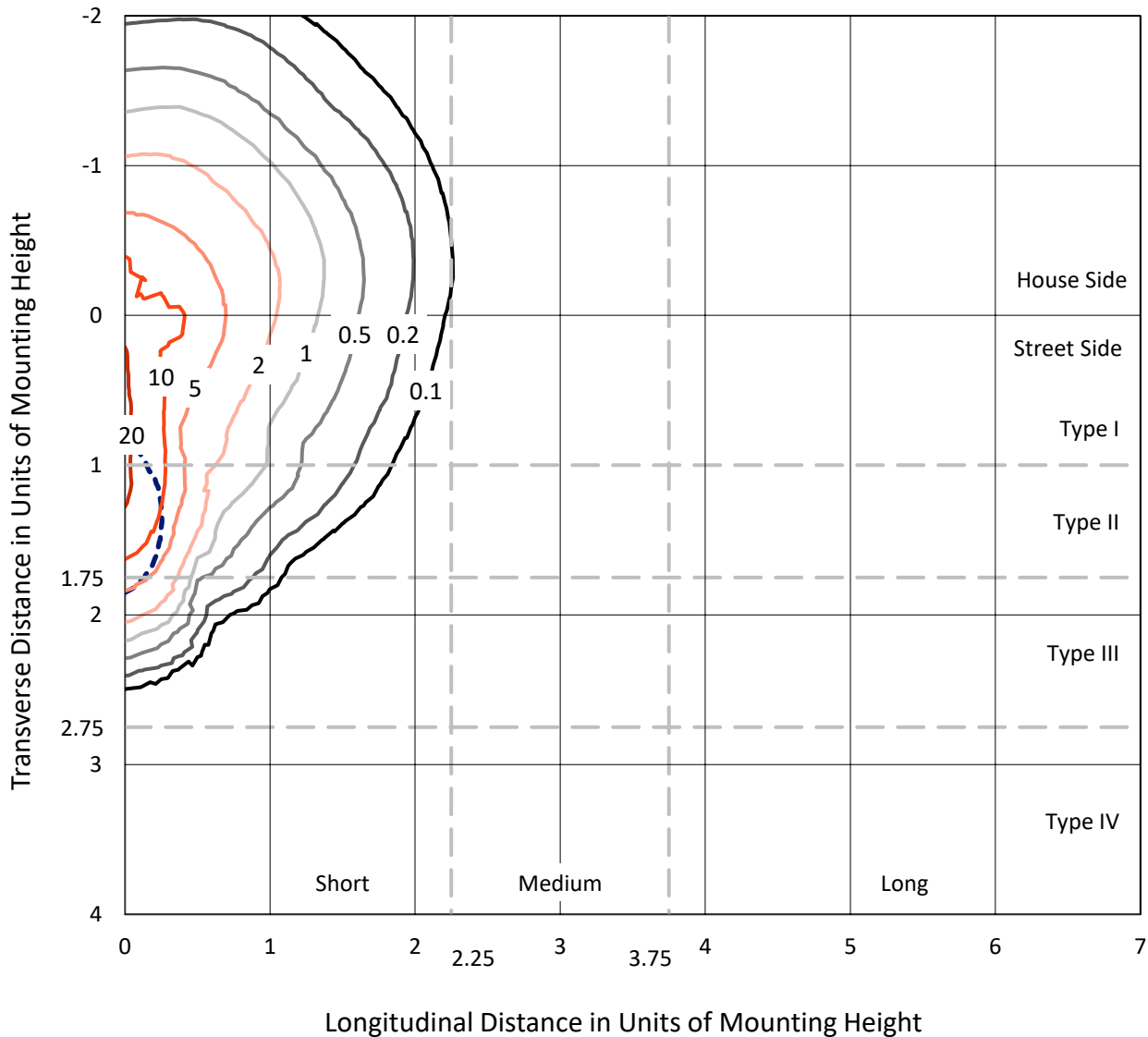
Lumens per Lamp: N/A  
Luminaire Lumens: 8362.7 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

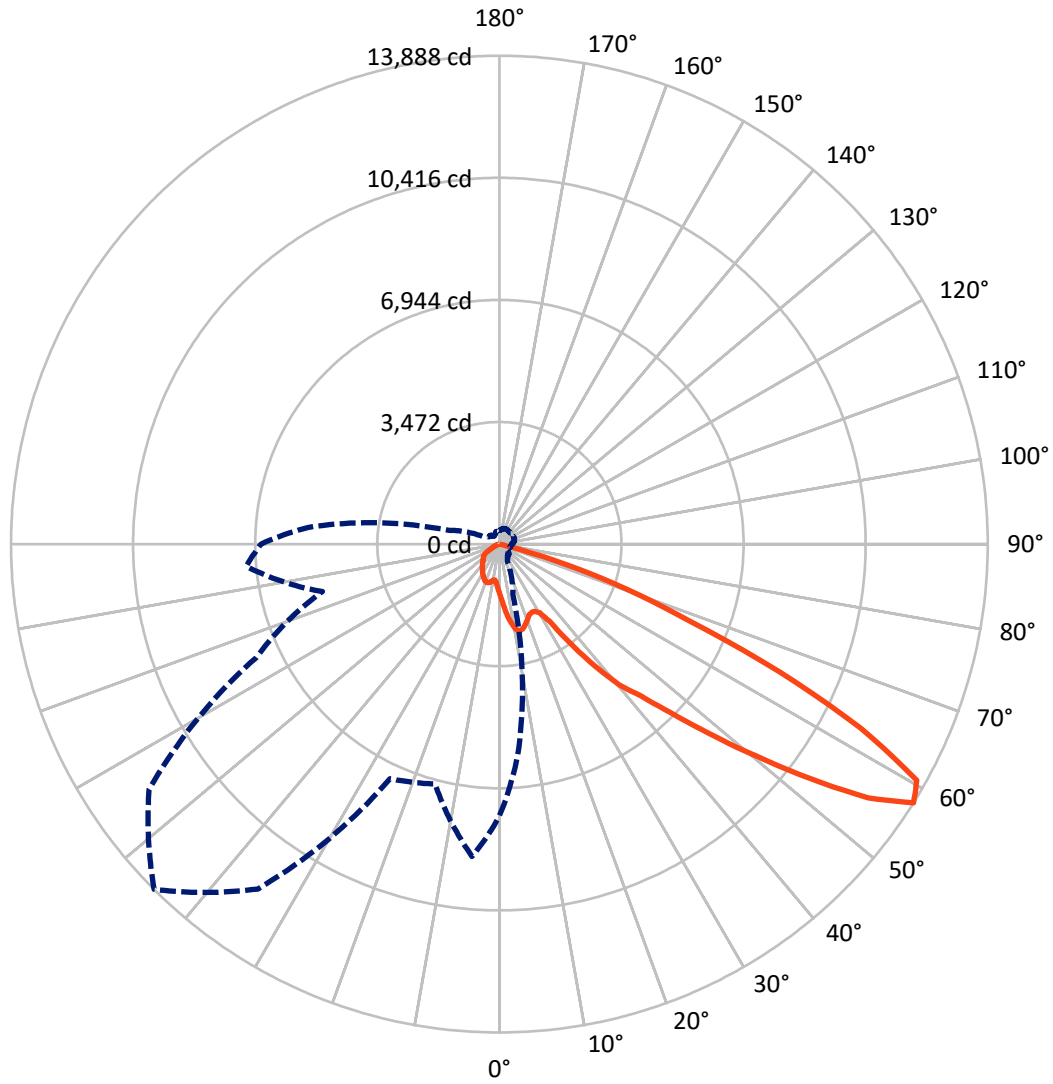
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.3 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	1801.6	0.0	1801.6
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	6561.1	0.0	6561.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	8362.7	0.0	8362.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.4	1.7
10°-20°	462.1	5.5
20°-30°	750.0	9.0
30°-40°	1151.1	13.8
40°-50°	1838.3	22.0
50°-60°	2574.0	30.8
60°-70°	1319.7	15.8
70°-80°	127.1	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°	8362.7	100.0
0°-180°	8362.7	100.0

**Coefficient of Utilization**



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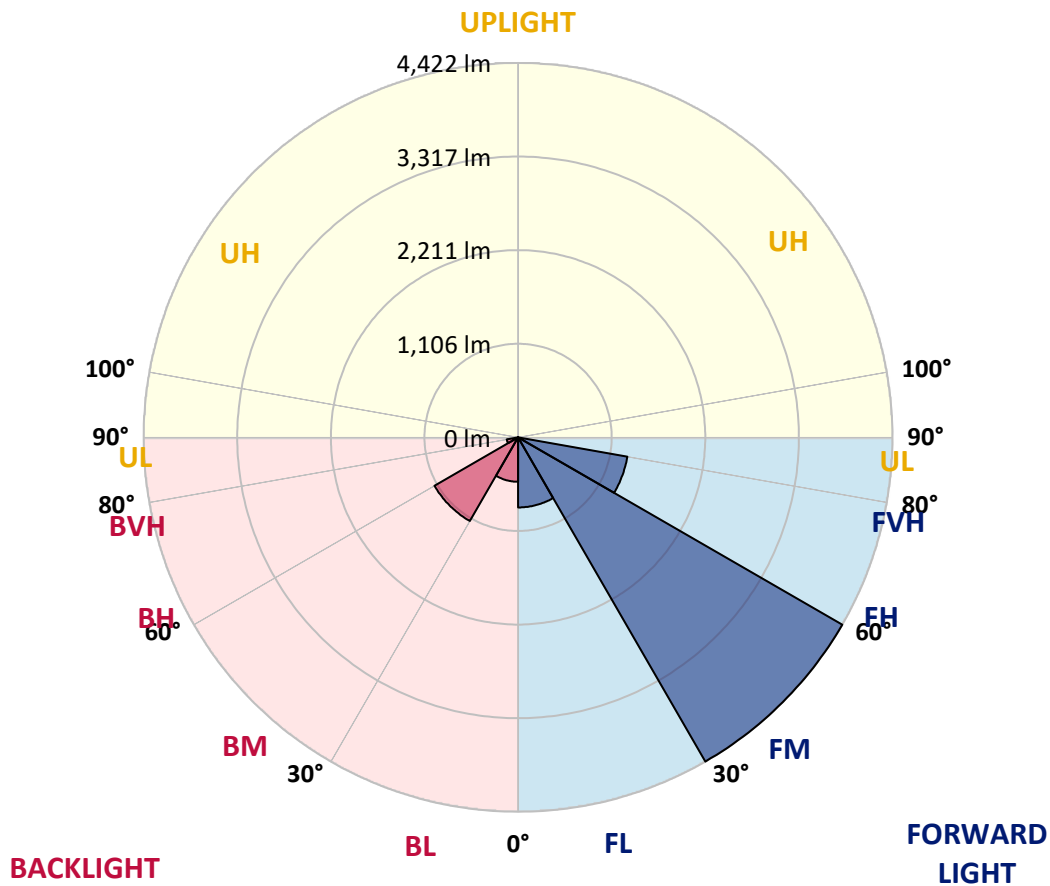
CATALOG NUMBER: GWS-SA6B-722-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	828.0	9.9			
FM (30°-60°)	4422.4	52.9			
FH (60°-80°)	1310.7	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	524.6	6.3	B2/1000		
BM (30°-60°)	1140.9	13.6	B2/2500		
BH (60°-80°)	136.1	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: B2-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9
2.5°	1578.6	1575.2	1564.0	1526.0	1502.6	1465.7	1438.8	1404.2	1366.2	1342.7	1319.2
5°	1746.3	1737.3	1707.1	1619.9	1552.9	1480.2	1422.1	1358.3	1290.1	1245.4	1204.1
7.5°	1907.3	1893.9	1853.6	1706.0	1604.3	1500.3	1417.6	1324.8	1228.7	1161.6	1110.1
10°	2064.9	2034.7	1971.0	1789.9	1652.4	1527.2	1429.9	1323.7	1210.8	1125.8	1068.8
12.5°	2194.6	2172.2	2085.0	1869.3	1692.6	1532.7	1413.1	1314.7	1238.7	1181.7	1129.2
15°	2306.4	2281.8	2199.1	1940.8	1727.3	1510.4	1342.7	1256.6	1268.9	1291.3	1246.5
17.5°	2409.2	2383.5	2294.1	2000.1	1740.7	1455.6	1244.3	1202.9	1271.1	1355.0	1338.2
20°	2515.4	2486.4	2376.8	2048.1	1736.2	1369.5	1144.8	1157.1	1253.3	1349.4	1358.3
22.5°	2639.5	2609.4	2481.9	2109.6	1732.9	1266.7	1058.7	1116.9	1219.7	1301.3	1317.0
25°	2803.9	2768.1	2628.4	2200.2	1741.8	1172.8	997.2	1077.7	1162.7	1236.5	1245.4
27.5°	3020.8	2974.9	2797.2	2312.0	1760.8	1099.0	970.4	1024.1	1090.0	1156.0	1163.8
30°	3303.6	3245.5	2990.6	2409.2	1751.9	1047.5	952.5	970.4	1009.5	1063.2	1064.3
32.5°	3634.5	3555.2	3207.5	2493.1	1674.7	1009.5	927.9	915.6	924.6	965.9	973.8
35°	4023.6	3920.7	3446.7	2572.5	1533.9	935.7	883.2	841.8	838.5	858.6	877.6
37.5°	4469.7	4346.7	3748.6	2674.2	1367.3	858.6	817.2	775.9	758.0	768.0	797.1
40°	4881.1	4744.7	4063.8	2797.2	1197.4	789.3	740.1	697.6	676.4	679.7	715.5
42.5°	5364.0	5223.2	4449.5	2958.2	1056.5	742.3	659.6	616.0	588.1	603.7	645.1
45°	6097.4	5937.6	5011.9	3097.9	944.7	731.2	589.2	527.7	514.3	541.1	590.3
47.5°	7099.1	6903.5	5784.4	3182.9	849.7	741.2	540.0	456.1	459.5	489.7	538.9
50°	8093.0	7881.7	6677.7	3071.1	771.4	721.1	515.4	400.2	421.5	448.3	493.0
52.5°	8776.1	8501.1	7112.6	2748.0	699.9	645.1	513.2	347.7	387.9	396.9	434.9
55°	8802.9	8464.2	6890.1	2166.6	602.6	544.5	489.7	304.1	351.0	354.4	386.8
57.5°	7716.3	7409.9	6021.4	1488.0	535.5	399.1	390.2	266.1	288.4	316.4	336.5
60°	5870.5	5610.0	4503.2	682.0	406.9	253.8	267.2	229.2	215.8	257.1	277.3
62.5°	3595.4	3428.8	2701.0	301.9	259.4	135.3	162.1	182.2	162.1	177.8	194.5
65°	1427.7	1353.9	1025.2	128.6	106.2	68.2	73.8	106.2	114.0	125.2	140.9
67.5°	248.2	234.8	172.2	57.0	43.6	41.4	35.8	49.2	69.3	77.1	89.4
70°	32.4	31.3	27.9	23.5	22.4	20.1	15.7	31.3	47.0	49.2	57.0
72.5°	7.8	6.7	6.7	5.6	6.7	2.2	2.2	16.8	33.5	34.7	40.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	21.2	23.5	27.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9
2.5°	1300.2	1277.8	1270.0	1258.8	1244.3	1248.8	1228.7	1221.9	1232.0	1245.4	1242.1
5°	1181.7	1157.1	1140.3	1114.6	1110.1	1100.1	1093.4	1084.4	1095.6	1111.3	1114.6
7.5°	1087.8	1066.5	1049.8	1042.0	1036.4	1031.9	1018.5	1011.8	1011.8	1018.5	1024.1
10°	1047.5	1031.9	1028.5	1030.8	1039.7	1038.6	1026.3	1017.4	1006.2	1000.6	1007.3
12.5°	1103.4	1077.7	1073.3	1074.4	1085.6	1084.4	1071.0	1059.8	1057.6	1059.8	1081.1
15°	1198.5	1159.3	1130.3	1124.7	1130.3	1128.0	1118.0	1111.3	1114.6	1147.0	1182.8
17.5°	1283.4	1223.1	1170.5	1150.4	1149.3	1145.9	1135.9	1133.6	1150.4	1210.8	1263.3
20°	1308.0	1248.8	1173.9	1148.2	1142.6	1139.2	1128.0	1131.4	1152.6	1225.3	1270.0
22.5°	1275.6	1218.6	1140.3	1114.6	1110.1	1109.0	1097.9	1102.3	1120.2	1183.9	1220.8
25°	1214.1	1166.0	1084.4	1062.1	1062.1	1059.8	1049.8	1052.0	1063.2	1119.1	1154.9
27.5°	1139.2	1093.4	1025.2	1002.8	1006.2	1009.5	997.2	993.9	1002.8	1055.4	1076.6
30°	1053.1	1020.7	967.0	946.9	945.8	959.2	942.5	938.0	950.3	991.6	996.1
32.5°	969.3	953.6	915.6	900.0	901.1	903.3	894.4	894.4	905.6	927.9	926.8
35°	887.7	877.6	870.9	859.7	858.6	854.1	854.1	856.4	868.7	876.5	862.0
37.5°	809.4	819.5	827.3	816.1	807.2	807.2	807.2	817.2	828.4	825.1	800.5
40°	740.1	761.3	785.9	773.6	752.4	751.3	755.8	772.5	789.3	769.2	746.8
42.5°	680.8	707.7	742.3	735.6	712.2	708.8	712.2	733.4	746.8	721.1	696.5
45°	622.7	656.3	697.6	697.6	671.9	668.5	669.7	697.6	705.4	675.3	644.0
47.5°	573.5	610.4	654.0	654.0	632.8	626.1	631.7	660.7	666.3	623.8	594.8
50°	526.6	566.8	614.9	611.5	597.0	591.4	601.5	632.8	626.1	579.1	548.9
52.5°	467.3	509.8	575.8	579.1	571.3	572.4	584.7	604.8	585.8	528.8	503.1
55°	413.7	457.3	523.2	541.1	541.1	540.0	545.6	561.2	545.6	477.4	446.1
57.5°	355.5	392.4	447.2	451.7	455.0	442.7	450.5	471.8	464.0	405.8	387.9
60°	291.8	323.1	354.4	357.8	343.2	317.5	332.0	356.6	362.2	318.6	298.5
62.5°	206.8	237.0	273.9	273.9	259.4	233.7	252.7	273.9	266.1	221.4	209.1
65°	154.3	182.2	210.2	222.5	210.2	192.3	206.8	222.5	210.2	173.3	155.4
67.5°	99.5	118.5	135.3	145.3	147.6	145.3	152.0	147.6	133.0	108.4	98.4
70°	60.4	70.4	79.4	88.3	95.0	98.4	101.7	91.7	77.1	63.7	60.4
72.5°	43.6	52.5	60.4	67.1	74.9	77.1	77.1	70.4	57.0	44.7	41.4
75°	30.2	38.0	44.7	49.2	55.9	58.1	58.1	52.5	42.5	32.4	29.1
77.5°	1.1	7.8	7.8	6.7	8.9	11.2	11.2	13.4	12.3	8.9	7.8
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°	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9
2.5°	1248.8	1289.0	1300.2	1341.6	1378.5	1415.4	1460.1	1486.9	1527.2	1555.1	1570.8
5°	1125.8	1159.3	1199.6	1261.1	1324.8	1395.2	1480.2	1554.0	1646.8	1715.0	1737.3
7.5°	1036.4	1080.0	1126.9	1204.1	1291.3	1385.2	1504.8	1625.5	1767.5	1860.3	1919.6
10°	1019.6	1064.3	1126.9	1202.9	1294.6	1401.9	1548.4	1704.9	1882.7	1995.6	2062.7
12.5°	1100.1	1148.2	1175.0	1209.6	1279.0	1398.6	1586.4	1785.4	1994.5	2117.4	2189.0
15°	1218.6	1261.1	1217.5	1173.9	1218.6	1362.8	1607.6	1852.5	2092.8	2234.8	2308.6
17.5°	1300.2	1303.6	1208.5	1115.7	1128.0	1298.0	1615.5	1919.6	2197.9	2346.6	2423.8
20°	1292.4	1265.5	1169.4	1066.5	1028.5	1214.1	1606.5	1978.8	2304.1	2459.5	2535.6
22.5°	1232.0	1200.7	1119.1	1018.5	944.7	1114.6	1590.9	2032.5	2401.4	2578.1	2649.6
25°	1159.3	1125.8	1058.7	970.4	891.0	1018.5	1578.6	2106.3	2524.4	2732.3	2788.2
27.5°	1074.4	1045.3	988.3	924.6	868.7	945.8	1575.2	2203.5	2673.1	2920.2	2959.3
30°	991.6	964.8	920.1	883.2	859.7	903.3	1564.0	2307.5	2850.8	3135.9	3178.4
32.5°	912.3	885.4	857.5	851.9	853.0	887.7	1526.0	2410.4	3062.1	3449.0	3480.3
35°	844.1	812.8	801.6	815.0	839.6	860.8	1418.7	2495.3	3289.1	3789.9	3815.6
37.5°	779.2	747.9	746.8	779.2	806.1	819.5	1292.4	2579.2	3595.4	4136.5	4168.9
40°	720.0	688.7	699.9	739.0	760.2	766.9	1139.2	2706.6	3919.6	4502.1	4484.2
42.5°	669.7	637.2	644.0	694.3	713.3	731.2	998.4	2812.8	4231.5	4848.7	4843.1
45°	620.5	595.9	591.4	646.2	663.0	734.5	895.5	2894.4	4632.9	5290.3	5299.2
47.5°	572.4	553.4	554.5	578.0	619.4	751.3	808.3	2948.1	5215.4	5990.1	5834.7
50°	528.8	514.3	526.6	499.7	591.4	730.0	733.4	2936.9	5866.0	6660.9	6349.0
52.5°	480.7	477.4	483.0	418.1	546.7	644.0	663.0	2788.2	6171.2	7119.3	6941.5
55°	431.5	430.4	385.7	334.3	457.3	514.3	567.9	2326.5	6161.2	7363.0	7578.8
57.5°	373.4	364.5	292.9	272.8	355.5	357.8	517.6	1523.8	5460.2	6779.4	7226.6
60°	282.8	276.1	214.7	221.4	248.2	229.2	412.5	759.1	4080.6	5281.3	5785.5
62.5°	195.6	186.7	159.9	171.1	159.9	130.8	252.7	375.6	2471.8	3334.9	3792.2
65°	143.1	133.0	109.6	93.9	74.9	74.9	96.1	144.2	957.0	1417.6	1709.4
67.5°	88.3	83.8	64.8	47.0	45.8	49.2	50.3	71.6	154.3	246.0	300.7
70°	57.0	52.5	43.6	30.2	27.9	29.1	30.2	33.5	39.1	42.5	51.4
72.5°	39.1	36.9	31.3	16.8	13.4	14.5	15.7	15.7	19.0	17.9	21.2
75°	27.9	25.7	22.4	7.8	4.5	5.6	6.7	5.6	6.7	4.5	5.6
77.5°	7.8	7.8	5.6	1.1	0.0	1.1	2.2	2.2	1.1	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	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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CATALOG NUMBER: GWS-SA6B-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9	1420.9
2.5°	1611.0	1636.7	1646.8	1632.2	1644.5	1624.4	1616.6	1586.4	1584.2	1578.6
5°	1827.9	1886.0	1920.7	1941.9	1917.3	1890.5	1850.2	1780.9	1759.7	1746.3
7.5°	2041.4	2132.0	2191.2	2219.2	2212.5	2157.7	2085.0	1968.8	1927.4	1907.3
10°	2227.0	2337.7	2409.2	2443.9	2429.4	2381.3	2277.3	2132.0	2077.2	2064.9
12.5°	2356.7	2458.4	2507.6	2537.8	2538.9	2519.9	2421.5	2275.1	2210.2	2194.6
15°	2438.3	2481.9	2483.0	2500.9	2532.2	2574.7	2528.9	2399.2	2329.9	2306.4
17.5°	2489.7	2441.7	2392.5	2396.9	2448.4	2561.3	2608.2	2508.7	2435.0	2409.2
20°	2526.6	2374.6	2282.9	2284.0	2336.6	2507.6	2663.0	2614.9	2538.9	2515.4
22.5°	2550.1	2315.3	2184.5	2181.2	2237.1	2443.9	2713.3	2741.3	2666.4	2639.5
25°	2598.2	2287.4	2125.3	2144.3	2193.5	2423.8	2781.5	2909.0	2839.7	2803.9
27.5°	2684.3	2315.3	2119.7	2163.3	2219.2	2483.0	2900.0	3132.6	3061.0	3020.8
30°	2832.9	2420.4	2205.8	2266.1	2333.2	2638.4	3099.0	3444.5	3341.6	3303.6
32.5°	3072.2	2638.4	2471.8	2601.5	2666.4	2893.3	3397.5	3794.4	3710.6	3634.5
35°	3402.0	3135.9	3116.9	3418.8	3403.1	3376.3	3764.2	4223.7	4097.4	4023.6
37.5°	3855.9	3936.4	4077.3	4376.9	4366.8	4162.2	4246.1	4629.5	4564.7	4469.7
40°	4422.7	4593.8	4833.0	5262.3	5128.2	4871.0	4837.5	5045.4	4992.9	4881.1
42.5°	4757.0	5052.1	5508.3	5894.0	5786.6	5337.2	5299.2	5601.1	5485.9	5364.0
45°	4912.4	5425.5	6319.9	6842.0	6516.7	5646.9	5632.4	6325.5	6260.7	6097.4
47.5°	4983.9	5802.3	7270.2	8060.6	7452.4	5918.6	5866.0	7376.4	7291.4	7099.1
50°	5063.3	6322.2	8415.0	9472.6	8582.7	6226.0	6264.0	8355.7	8320.0	8093.0
52.5°	5237.7	6872.2	9824.8	11087.0	9953.3	6707.9	6947.1	9279.2	9037.7	8776.1
55°	5499.3	7471.4	11291.6	12736.0	11351.9	7355.2	7686.1	9770.0	9092.5	8802.9
57.5°	5209.8	7621.2	12160.2	13887.5	11972.4	7357.4	7061.1	8919.2	7996.9	7716.3
60°	4134.3	7090.2	11825.9	13638.2	11443.6	6533.4	5406.5	6963.9	6058.3	5870.5
62.5°	2794.9	5946.5	10410.6	11534.2	9794.6	5139.3	3513.8	4528.9	3750.8	3595.4
65°	1531.6	4436.1	8411.6	8725.8	7666.0	3589.8	1807.8	1965.4	1497.0	1427.7
67.5°	422.6	3087.8	6189.1	5788.9	5378.6	2337.7	467.3	351.0	250.4	248.2
70°	106.2	2042.5	3708.3	3822.4	3298.0	1497.0	89.4	42.5	33.5	32.4
72.5°	44.7	878.7	1759.7	2022.4	1688.1	693.1	32.4	12.3	10.1	7.8
75°	5.6	70.4	149.8	226.9	155.4	74.9	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)