

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: P641669

Luminaire Tested: GWS-SA6B-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641669  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

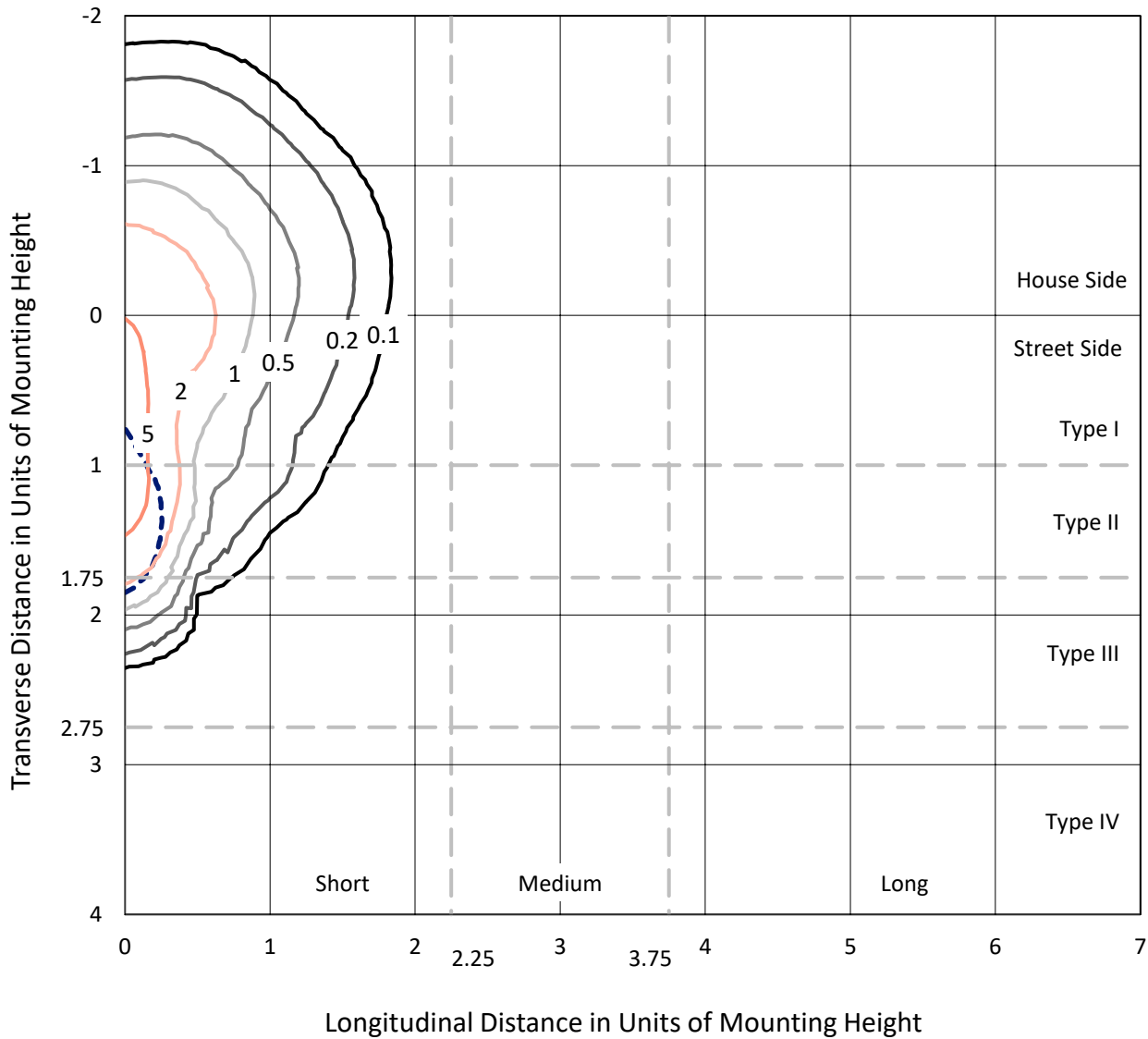
Lumens per Lamp: N/A  
Luminaire Lumens: 11197.5 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

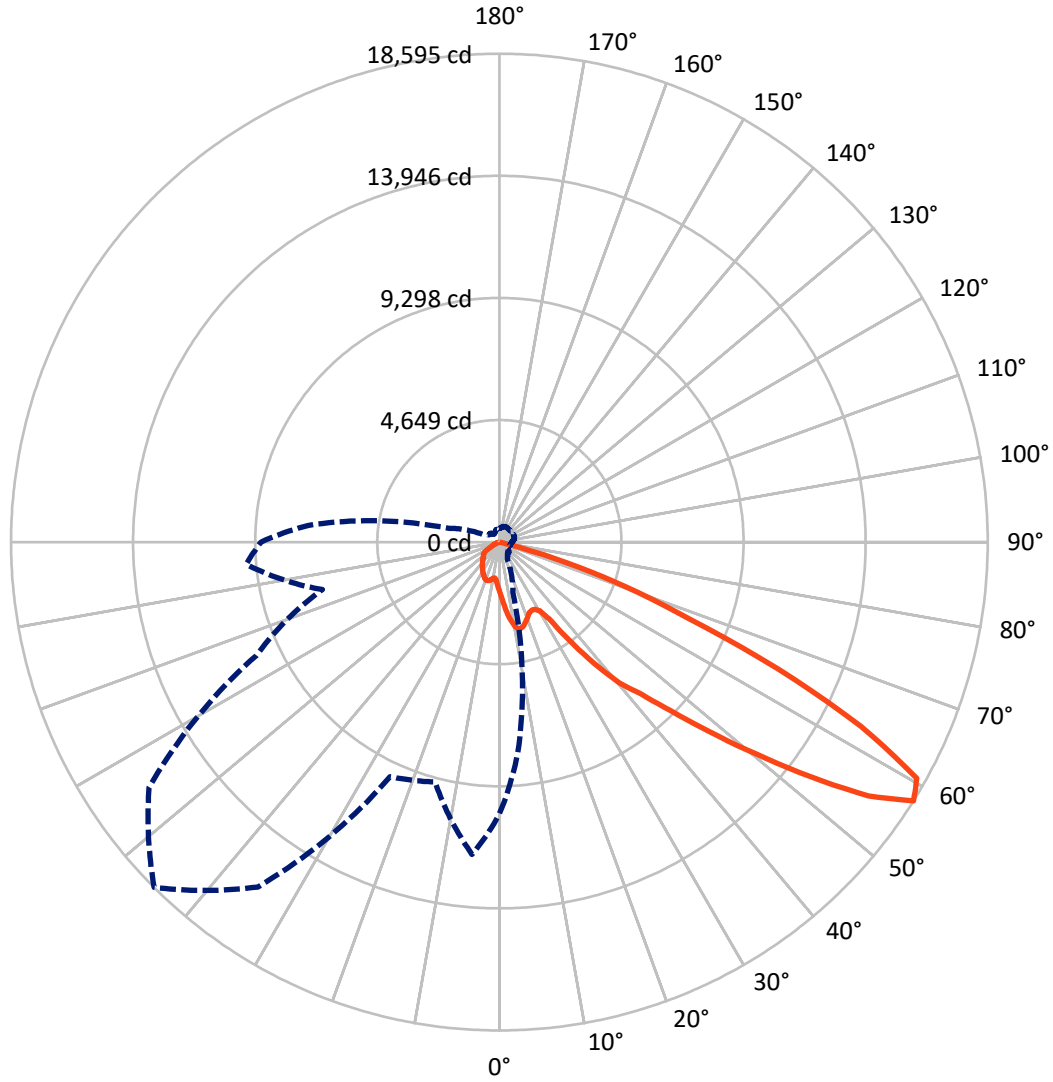
× Max cd  
 - - - 1/2 Max cd



Based on 20 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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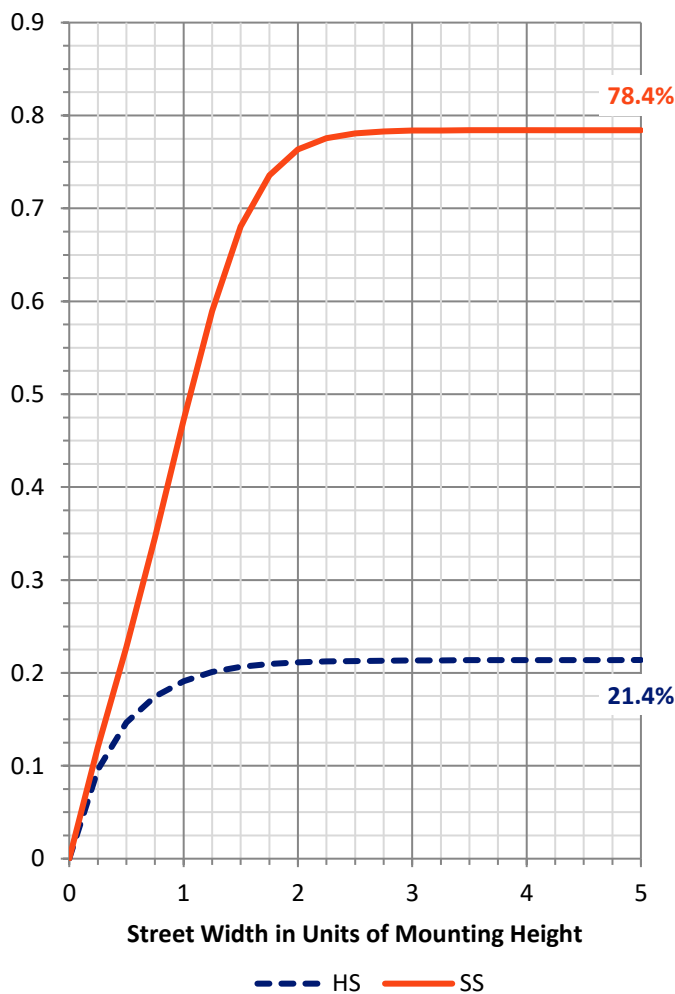
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2412.3	0.0	2412.3
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	8785.2	0.0	8785.2
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	11197.5	0.0	11197.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.1	1.7
10°-20°	618.8	5.5
20°-30°	1004.2	9.0
30°-40°	1541.2	13.8
40°-50°	2461.5	22.0
50°-60°	3446.5	30.8
60°-70°	1767.1	15.8
70°-80°	170.1	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°	11197.5	100.0
0°-180°	11197.5	100.0

**Coefficient of Utilization**



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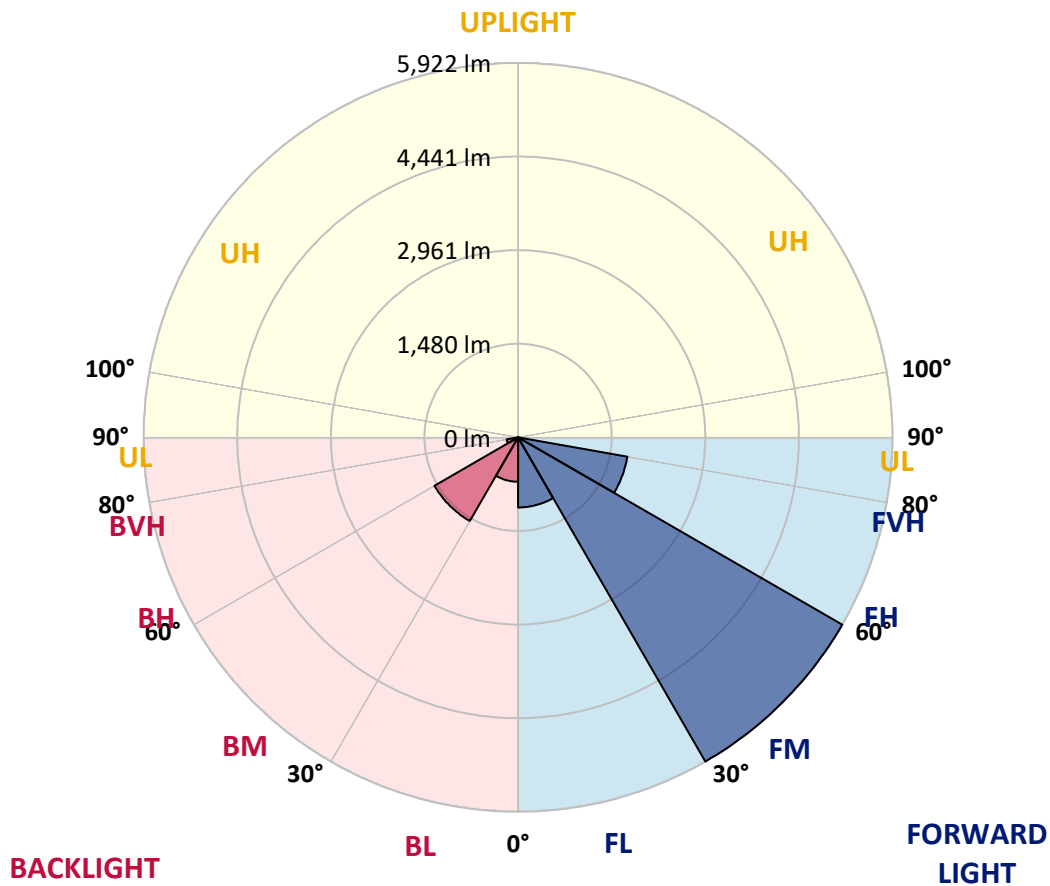
CATALOG NUMBER: GWS-SA6B-735-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1108.6	9.9			
FM (30°-60°)	5921.5	52.9			
FH (60°-80°)	1755.1	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	702.4	6.3	B2/1000		
BM (30°-60°)	1527.7	13.6	B2/2500		
BH (60°-80°)	182.2	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°	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6
2.5°	2113.7	2109.2	2094.2	2043.3	2011.9	1962.5	1926.6	1880.2	1829.3	1797.8	1766.4
5°	2338.2	2326.3	2285.8	2169.1	2079.3	1982.0	1904.1	1818.8	1727.5	1667.6	1612.2
7.5°	2553.8	2535.8	2481.9	2284.3	2148.1	2008.9	1898.1	1773.9	1645.1	1555.3	1486.5
10°	2764.9	2724.4	2639.1	2396.6	2212.5	2044.8	1914.6	1772.4	1621.2	1507.4	1431.1
12.5°	2938.5	2908.6	2791.8	2502.9	2266.4	2052.3	1892.1	1760.4	1658.6	1582.3	1511.9
15°	3088.2	3055.3	2944.5	2598.7	2312.8	2022.4	1797.8	1682.6	1699.0	1729.0	1669.1
17.5°	3225.9	3191.5	3071.7	2678.0	2330.7	1949.0	1666.1	1610.7	1702.0	1814.3	1791.8
20°	3368.1	3329.2	3182.5	2742.4	2324.8	1833.8	1532.9	1549.3	1678.1	1806.8	1818.8
22.5°	3534.3	3493.9	3323.2	2824.7	2320.3	1696.0	1417.6	1495.5	1633.2	1742.4	1763.4
25°	3754.3	3706.4	3519.3	2946.0	2332.2	1570.3	1335.3	1443.1	1556.8	1655.6	1667.6
27.5°	4044.8	3983.4	3745.4	3095.7	2357.7	1471.5	1299.4	1371.2	1459.5	1547.8	1558.3
30°	4423.5	4345.6	4004.3	3225.9	2345.7	1402.6	1275.4	1299.4	1351.7	1423.6	1425.1
32.5°	4866.6	4760.3	4294.7	3338.2	2242.4	1351.7	1242.5	1226.0	1238.0	1293.4	1303.8
35°	5387.5	5249.8	4615.1	3444.5	2053.8	1252.9	1182.6	1127.2	1122.7	1149.7	1175.1
37.5°	5984.8	5820.1	5019.3	3580.7	1830.8	1149.7	1094.3	1038.9	1014.9	1028.4	1067.3
40°	6535.7	6353.0	5441.4	3745.4	1603.2	1056.8	991.0	934.1	905.7	910.1	958.0
42.5°	7182.4	6993.7	5957.9	3960.9	1414.6	994.0	883.2	824.8	787.4	808.4	863.7
45°	8164.4	7950.3	6710.8	4148.0	1264.9	979.0	788.9	706.6	688.6	724.5	790.4
47.5°	9505.6	9243.7	7745.2	4261.8	1137.7	992.5	723.0	610.8	615.2	655.7	721.5
50°	10836.4	10553.5	8941.3	4112.1	1032.9	965.5	690.1	535.9	564.3	600.3	660.2
52.5°	11751.0	11382.8	9523.6	3679.5	937.1	863.7	687.1	465.6	519.4	531.4	582.3
55°	11787.0	11333.4	9225.7	2901.1	806.9	729.0	655.7	407.2	470.0	474.5	517.9
57.5°	10331.9	9921.8	8062.6	1992.4	717.0	534.4	522.4	356.3	386.2	423.6	450.6
60°	7860.5	7511.7	6029.7	913.1	544.9	339.8	357.8	306.9	288.9	344.3	371.2
62.5°	4814.2	4591.1	3616.6	404.2	347.3	181.1	217.1	244.0	217.1	238.0	260.5
65°	1911.6	1812.8	1372.7	172.1	142.2	91.3	98.8	142.2	152.7	167.7	188.6
67.5°	332.3	314.4	230.5	76.3	58.4	55.4	47.9	65.9	92.8	103.3	119.8
70°	43.4	41.9	37.4	31.4	29.9	26.9	21.0	41.9	62.9	65.9	76.3
72.5°	10.5	9.0	9.0	7.5	9.0	3.0	3.0	22.5	44.9	46.4	53.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	28.4	31.4	37.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6
2.5°	1741.0	1711.0	1700.5	1685.6	1666.1	1672.1	1645.1	1636.2	1649.6	1667.6	1663.1
5°	1582.3	1549.3	1526.9	1492.5	1486.5	1473.0	1464.0	1452.0	1467.0	1488.0	1492.5
7.5°	1456.5	1428.1	1405.6	1395.2	1387.7	1381.7	1363.7	1354.7	1354.7	1363.7	1371.2
10°	1402.6	1381.7	1377.2	1380.2	1392.2	1390.7	1374.2	1362.2	1347.3	1339.8	1348.8
12.5°	1477.5	1443.1	1437.1	1438.6	1453.5	1452.0	1434.1	1419.1	1416.1	1419.1	1447.5
15°	1604.7	1552.3	1513.4	1505.9	1513.4	1510.4	1496.9	1488.0	1492.5	1535.9	1583.8
17.5°	1718.5	1637.7	1567.3	1540.4	1538.9	1534.4	1520.9	1517.9	1540.4	1621.2	1691.6
20°	1751.4	1672.1	1571.8	1537.4	1529.9	1525.4	1510.4	1514.9	1543.4	1640.7	1700.5
22.5°	1708.0	1631.7	1526.9	1492.5	1486.5	1485.0	1470.0	1476.0	1499.9	1585.3	1634.7
25°	1625.7	1561.3	1452.0	1422.1	1422.1	1419.1	1405.6	1408.6	1423.6	1498.4	1546.3
27.5°	1525.4	1464.0	1372.7	1342.8	1347.3	1351.7	1335.3	1330.8	1342.8	1413.1	1441.6
30°	1410.1	1366.7	1294.9	1267.9	1266.4	1284.4	1261.9	1255.9	1272.4	1327.8	1333.8
32.5°	1297.9	1276.9	1226.0	1205.0	1206.5	1209.5	1197.6	1197.6	1212.5	1242.5	1241.0
35°	1188.6	1175.1	1166.1	1151.2	1149.7	1143.7	1143.7	1146.7	1163.1	1173.6	1154.1
37.5°	1083.8	1097.3	1107.7	1092.8	1080.8	1080.8	1080.8	1094.3	1109.2	1104.7	1071.8
40°	991.0	1019.4	1052.4	1035.9	1007.4	1005.9	1011.9	1034.4	1056.8	1029.9	1000.0
42.5°	911.6	947.6	994.0	985.0	953.6	949.1	953.6	982.0	1000.0	965.5	932.6
45°	833.8	878.7	934.1	934.1	899.7	895.2	896.7	934.1	944.6	904.2	862.2
47.5°	767.9	817.3	875.7	875.7	847.3	838.3	845.8	884.7	892.2	835.3	796.4
50°	705.1	759.0	823.3	818.8	799.4	791.9	805.4	847.3	838.3	775.4	735.0
52.5°	625.7	682.6	770.9	775.4	764.9	766.4	782.9	809.8	784.4	708.1	673.6
55°	553.9	612.3	700.6	724.5	724.5	723.0	730.5	751.5	730.5	639.2	597.3
57.5°	476.0	525.4	598.8	604.8	609.3	592.8	603.3	631.7	621.2	543.4	519.4
60°	390.7	432.6	474.5	479.0	459.6	425.1	444.6	477.5	485.0	426.6	399.7
62.5°	276.9	317.4	366.8	366.8	347.3	312.9	338.3	366.8	356.3	296.4	279.9
65°	206.6	244.0	281.4	297.9	281.4	257.5	276.9	297.9	281.4	232.0	208.1
67.5°	133.2	158.7	181.1	194.6	197.6	194.6	203.6	197.6	178.1	145.2	131.7
70°	80.8	94.3	106.3	118.3	127.2	131.7	136.2	122.7	103.3	85.3	80.8
72.5°	58.4	70.4	80.8	89.8	100.3	103.3	103.3	94.3	76.3	59.9	55.4
75°	40.4	50.9	59.9	65.9	74.8	77.8	77.8	70.4	56.9	43.4	38.9
77.5°	1.5	10.5	10.5	9.0	12.0	15.0	15.0	18.0	16.5	12.0	10.5
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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CATALOG NUMBER: GWS-SA6B-735-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6
2.5°	1672.1	1726.0	1741.0	1796.3	1845.7	1895.1	1955.0	1990.9	2044.8	2082.3	2103.2
5°	1507.4	1552.3	1606.2	1688.6	1773.9	1868.2	1982.0	2080.8	2205.0	2296.3	2326.3
7.5°	1387.7	1446.1	1508.9	1612.2	1729.0	1854.7	2014.9	2176.6	2366.7	2490.9	2570.3
10°	1365.2	1425.1	1508.9	1610.7	1733.5	1877.2	2073.3	2282.8	2520.9	2672.1	2761.9
12.5°	1473.0	1537.4	1573.3	1619.7	1712.5	1872.7	2124.2	2390.6	2670.6	2835.2	2931.0
15°	1631.7	1688.6	1630.2	1571.8	1631.7	1824.8	2152.6	2480.4	2802.3	2992.4	3091.2
17.5°	1741.0	1745.4	1618.2	1494.0	1510.4	1738.0	2163.1	2570.3	2943.0	3142.1	3245.4
20°	1730.5	1694.5	1565.8	1428.1	1377.2	1625.7	2151.1	2649.6	3085.2	3293.3	3395.1
22.5°	1649.6	1607.7	1498.4	1363.7	1264.9	1492.5	2130.2	2721.5	3215.4	3452.0	3547.8
25°	1552.3	1507.4	1417.6	1299.4	1193.1	1363.7	2113.7	2820.3	3380.1	3658.5	3733.4
27.5°	1438.6	1399.6	1323.3	1238.0	1163.1	1266.4	2109.2	2950.5	3579.2	3910.0	3962.4
30°	1327.8	1291.9	1232.0	1182.6	1151.2	1209.5	2094.2	3089.7	3817.2	4198.9	4255.8
32.5°	1221.5	1185.6	1148.2	1140.7	1142.2	1188.6	2043.3	3227.4	4100.1	4618.1	4660.0
35°	1130.2	1088.3	1073.3	1091.3	1124.2	1152.7	1899.6	3341.2	4404.0	5074.7	5109.1
37.5°	1043.4	1001.5	1000.0	1043.4	1079.3	1097.3	1730.5	3453.5	4814.2	5538.7	5582.1
40°	964.0	922.1	937.1	989.5	1017.9	1026.9	1525.4	3624.1	5248.3	6028.2	6004.3
42.5°	896.7	853.3	862.2	929.6	955.1	979.0	1336.8	3766.3	5665.9	6492.3	6484.8
45°	830.8	797.9	791.9	865.2	887.7	983.5	1199.1	3875.6	6203.4	7083.6	7095.5
47.5°	766.4	741.0	742.5	773.9	829.3	1005.9	1082.3	3947.5	6983.3	8020.6	7812.6
50°	708.1	688.6	705.1	669.1	791.9	977.5	982.0	3932.5	7854.5	8918.8	8501.2
52.5°	643.7	639.2	646.7	559.9	732.0	862.2	887.7	3733.4	8263.2	9532.6	9294.6
55°	577.8	576.3	516.4	447.6	612.3	688.6	760.4	3115.1	8249.7	9858.9	10147.8
57.5°	500.0	488.0	392.2	365.3	476.0	479.0	693.1	2040.3	7311.1	9077.5	9676.3
60°	378.7	369.7	287.4	296.4	332.3	306.9	552.4	1016.4	5463.9	7071.6	7746.7
62.5°	262.0	250.0	214.1	229.0	214.1	175.1	338.3	503.0	3309.8	4465.4	5077.6
65°	191.6	178.1	146.7	125.7	100.3	100.3	128.7	193.1	1281.4	1898.1	2288.8
67.5°	118.3	112.3	86.8	62.9	61.4	65.9	67.4	95.8	206.6	329.3	402.7
70°	76.3	70.4	58.4	40.4	37.4	38.9	40.4	44.9	52.4	56.9	68.9
72.5°	52.4	49.4	41.9	22.5	18.0	19.5	21.0	21.0	25.4	24.0	28.4
75°	37.4	34.4	29.9	10.5	6.0	7.5	9.0	7.5	9.0	6.0	7.5
77.5°	10.5	10.5	7.5	1.5	0.0	1.5	3.0	3.0	1.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	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: P641669

CATALOG NUMBER: GWS-SA6B-735-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6	1902.6
2.5°	2157.1	2191.5	2205.0	2185.5	2202.0	2175.1	2164.6	2124.2	2121.2	2113.7
5°	2447.5	2525.4	2571.8	2600.2	2567.3	2531.3	2477.4	2384.6	2356.2	2338.2
7.5°	2733.4	2854.7	2934.0	2971.4	2962.5	2889.1	2791.8	2636.1	2580.7	2553.8
10°	2981.9	3130.1	3225.9	3272.3	3252.9	3188.5	3049.3	2854.7	2781.3	2764.9
12.5°	3155.6	3291.8	3357.7	3398.1	3399.6	3374.1	3242.4	3046.3	2959.5	2938.5
15°	3264.8	3323.2	3324.7	3348.7	3390.6	3447.5	3386.1	3212.5	3119.6	3088.2
17.5°	3333.7	3269.3	3203.5	3209.5	3278.3	3429.5	3492.4	3359.2	3260.4	3225.9
20°	3383.1	3179.5	3056.8	3058.3	3128.6	3357.7	3565.7	3501.4	3399.6	3368.1
22.5°	3414.5	3100.2	2925.0	2920.5	2995.4	3272.3	3633.1	3670.5	3570.2	3534.3
25°	3478.9	3062.8	2845.7	2871.1	2937.0	3245.4	3724.4	3895.1	3802.2	3754.3
27.5°	3594.2	3100.2	2838.2	2896.6	2971.4	3324.7	3883.1	4194.4	4098.6	4044.8
30°	3793.3	3240.9	2953.5	3034.3	3124.1	3532.8	4149.5	4612.1	4474.4	4423.5
32.5°	4113.6	3532.8	3309.8	3483.4	3570.2	3874.1	4549.2	5080.6	4968.4	4866.6
35°	4555.2	4198.9	4173.5	4577.7	4556.7	4520.8	5040.2	5655.5	5486.3	5387.5
37.5°	5163.0	5270.8	5459.4	5860.6	5847.1	5573.1	5685.4	6198.9	6112.0	5984.8
40°	5921.9	6151.0	6471.3	7046.1	6866.5	6522.2	6477.3	6755.7	6685.4	6535.7
42.5°	6369.5	6764.7	7375.5	7891.9	7748.2	7146.4	7095.5	7499.7	7345.5	7182.4
45°	6577.6	7264.7	8462.2	9161.3	8725.7	7561.1	7541.6	8469.7	8382.9	8164.4
47.5°	6673.4	7769.2	9734.7	10793.0	9978.7	7924.8	7854.5	9876.9	9763.1	9505.6
50°	6779.7	8465.2	11267.5	12683.6	11492.1	8336.5	8387.4	11188.2	11140.3	10836.4
52.5°	7013.2	9201.7	13155.2	14845.2	13327.3	8981.7	9302.0	12424.7	12101.3	11751.0
55°	7363.5	10004.1	15119.2	17053.2	15200.0	9848.4	10291.5	13081.8	12174.7	11787.0
57.5°	6975.8	10204.7	16282.3	18595.1	16030.8	9851.4	9454.7	11942.7	10707.7	10331.9
60°	5535.7	9493.6	15834.7	18261.3	15322.8	8748.2	7239.2	9324.5	8112.0	7860.5
62.5°	3742.4	7962.3	13939.6	15444.0	13114.8	6881.5	4704.9	6064.1	5022.3	4814.2
65°	2050.8	5939.9	11263.0	11683.7	10264.6	4806.7	2420.6	2631.6	2004.4	1911.6
67.5°	565.8	4134.6	8287.1	7751.2	7201.8	3130.1	625.7	470.0	335.3	332.3
70°	142.2	2734.9	4965.4	5118.1	4416.0	2004.4	119.8	56.9	44.9	43.4
72.5°	59.9	1176.6	2356.2	2708.0	2260.4	928.1	43.4	16.5	13.5	10.5
75°	7.5	94.3	200.6	303.9	208.1	100.3	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)