

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: P642164

Luminaire Tested: GWS-SA6C-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642164
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-SA6C-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: 15017.1 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

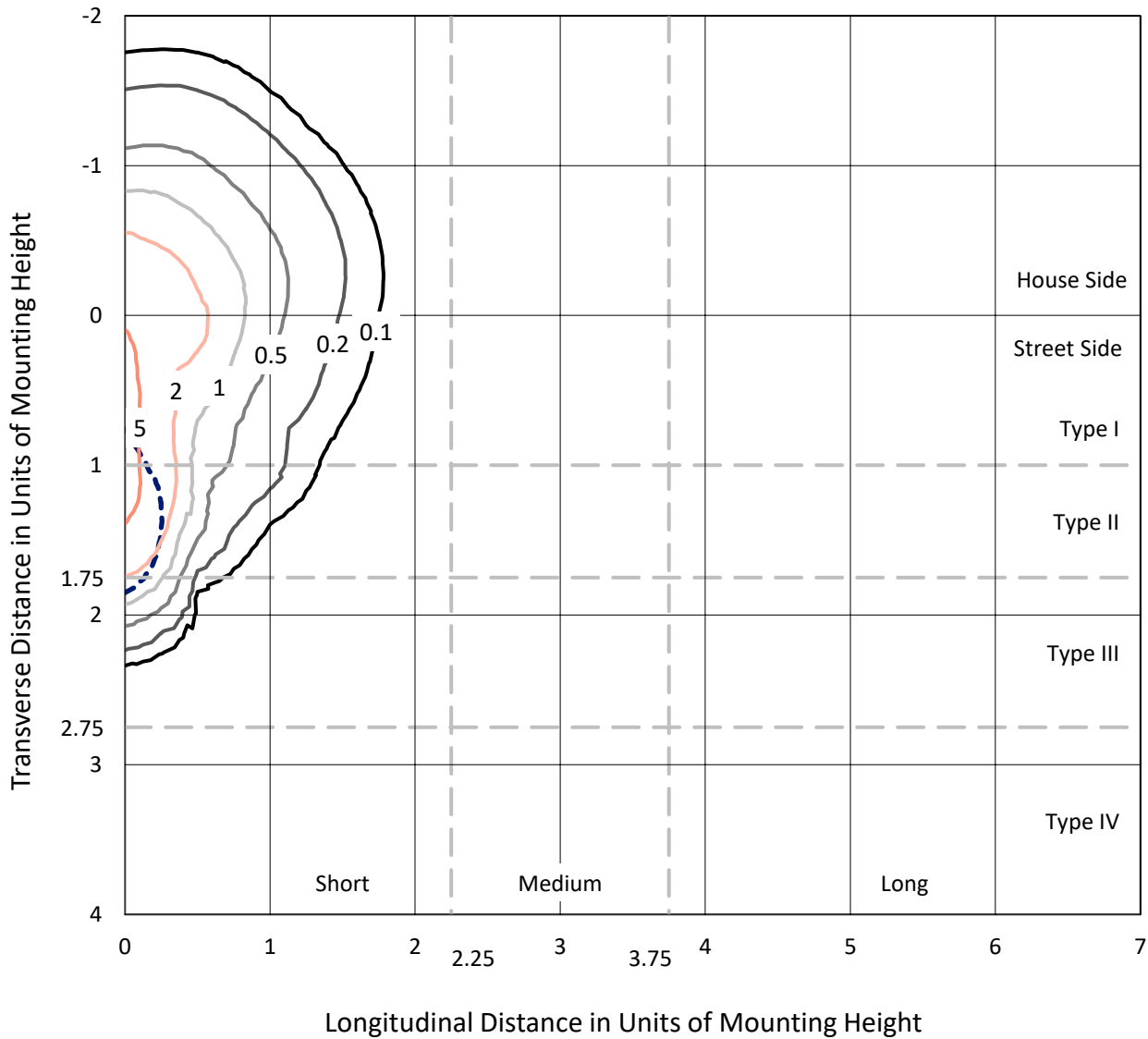
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642164
 CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

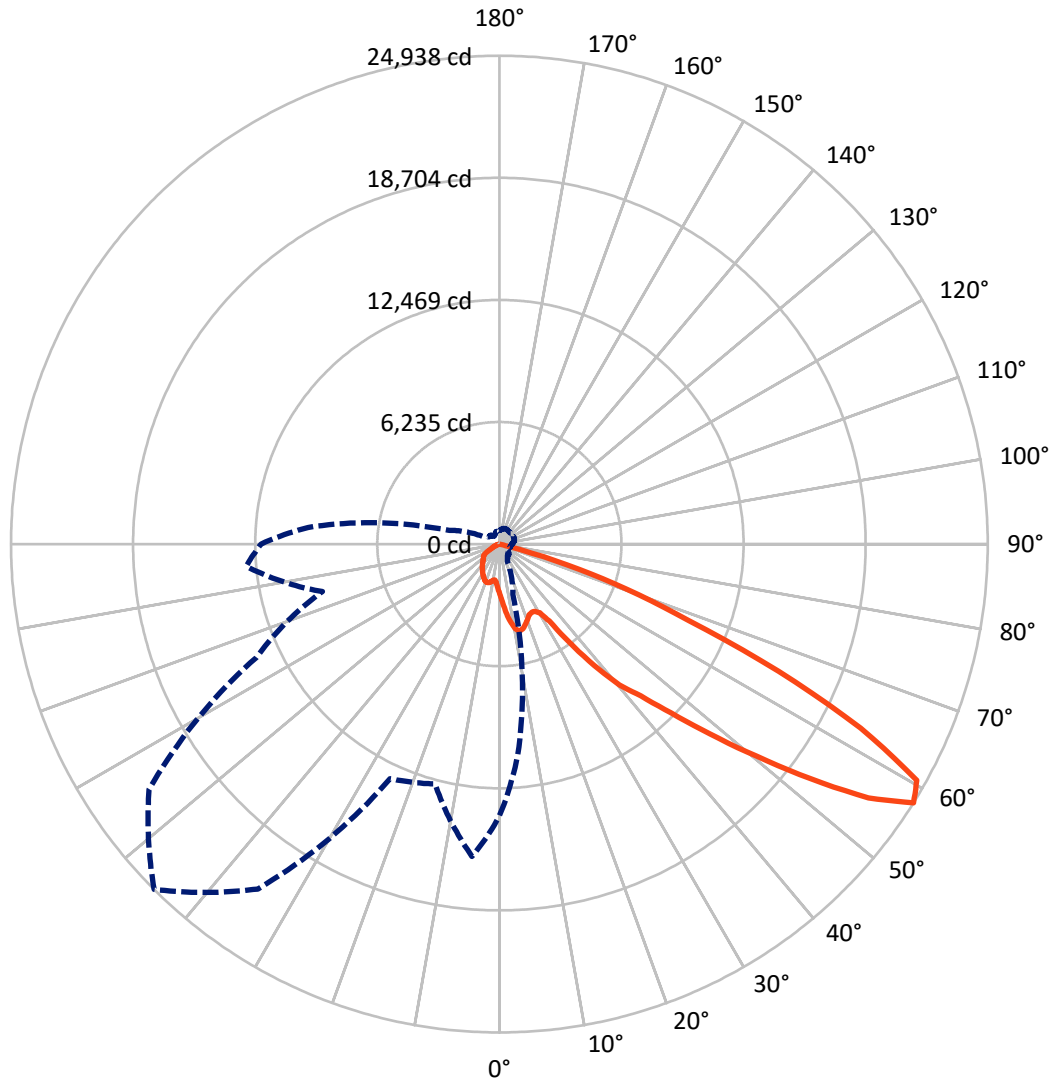
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

REPORT NUMBER: P642164
CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642164
 CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3235.2	0.0	3235.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	11781.9	0.0	11781.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	15017.1	0.0	15017.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	1.7
10°-20°	829.9	5.5
20°-30°	1346.8	9.0
30°-40°	2067.0	13.8
40°-50°	3301.1	22.0
50°-60°	4622.1	30.8
60°-70°	2369.9	15.8
70°-80°	228.2	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°	15017.1	100.0
0°-180°	15017.1	100.0

Coefficient of Utilization



REPORT NUMBER: P642164

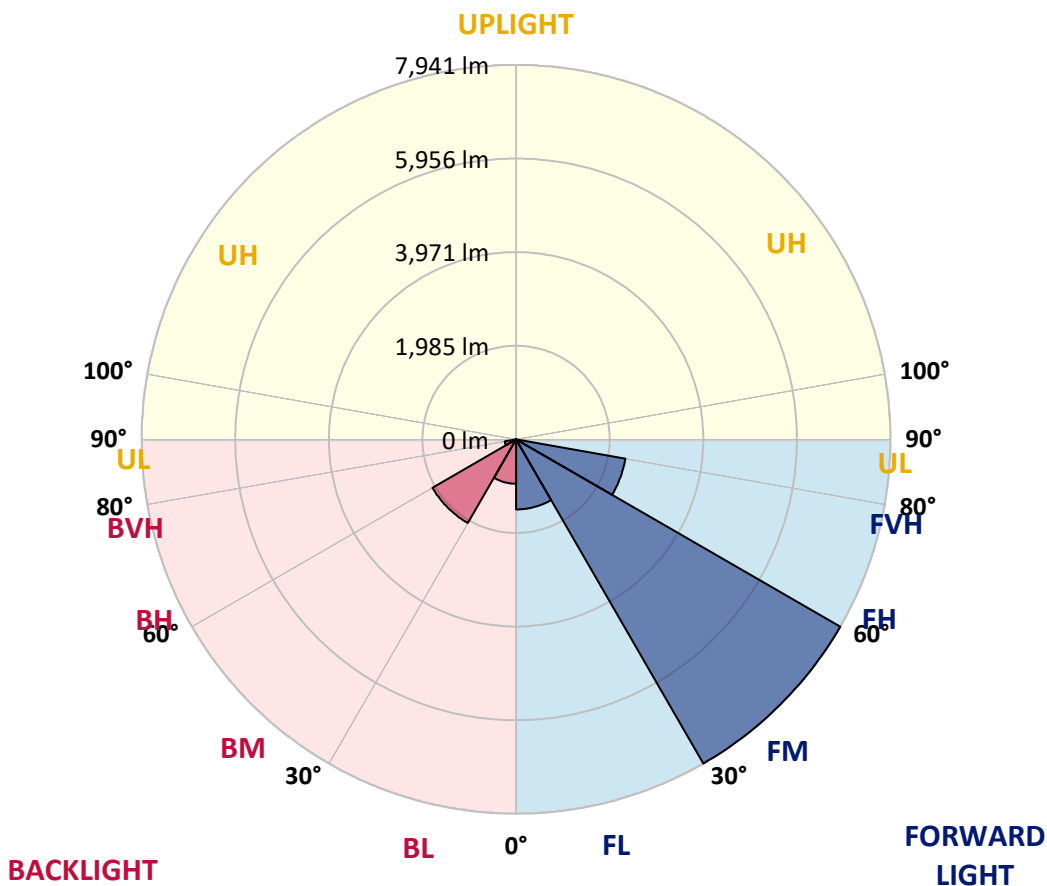
CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1486.8	9.9			
FM (30°-60°)	7941.4	52.9			
FH (60°-80°)	2353.7	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	942.0	6.3	B2/1000		
BM (30°-60°)	2048.8	13.6	B2/2500		
BH (60°-80°)	244.3	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-G2

Type III Short





REPORT NUMBER: P642164

CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6
2.5°	2834.7	2828.7	2808.6	2740.3	2698.2	2631.9	2583.7	2521.5	2453.3	2411.1	2368.9
5°	3135.8	3119.8	3065.6	2909.0	2788.5	2658.0	2553.6	2439.2	2316.7	2236.4	2162.2
7.5°	3424.9	3400.8	3328.6	3063.6	2880.9	2694.2	2545.6	2379.0	2206.3	2085.9	1993.5
10°	3708.0	3653.8	3539.4	3214.1	2967.2	2742.3	2567.7	2377.0	2174.2	2021.6	1919.2
12.5°	3940.9	3900.7	3744.1	3356.7	3039.5	2752.4	2537.6	2360.9	2224.4	2122.0	2027.7
15°	4141.6	4097.5	3948.9	3485.2	3101.7	2712.2	2411.1	2256.5	2278.6	2318.7	2238.4
17.5°	4326.3	4280.1	4119.5	3591.6	3125.8	2613.9	2234.4	2160.2	2282.6	2433.2	2403.1
20°	4517.0	4464.8	4268.1	3677.9	3117.8	2459.3	2055.8	2077.8	2250.5	2423.1	2439.2
22.5°	4739.9	4685.7	4456.8	3788.3	3111.7	2274.6	1901.2	2005.6	2190.3	2336.8	2364.9
25°	5035.0	4970.8	4719.8	3950.9	3127.8	2105.9	1790.8	1935.3	2087.9	2220.4	2236.4
27.5°	5424.5	5342.2	5023.0	4151.7	3161.9	1973.4	1742.6	1838.9	1957.4	2075.8	2089.9
30°	5932.4	5828.0	5370.3	4326.3	3145.9	1881.1	1710.5	1742.6	1812.8	1909.2	1911.2
32.5°	6526.6	6384.1	5759.7	4476.9	3007.3	1812.8	1666.3	1644.2	1660.3	1734.5	1748.6
35°	7225.3	7040.6	6189.4	4619.4	2754.4	1680.3	1586.0	1511.7	1505.7	1541.8	1575.9
37.5°	8026.3	7805.5	6731.4	4802.1	2455.3	1541.8	1467.5	1393.3	1361.1	1379.2	1431.4
40°	8765.1	8520.1	7297.5	5023.0	2150.1	1417.3	1329.0	1252.7	1214.6	1220.6	1284.8
42.5°	9632.3	9379.4	7990.1	5312.0	1897.2	1333.0	1184.5	1106.2	1056.0	1084.1	1158.4
45°	10949.3	10662.2	9000.0	5563.0	1696.4	1313.0	1058.0	947.6	923.5	971.7	1060.0
47.5°	12748.1	12396.8	10387.2	5715.6	1525.8	1331.0	969.7	819.1	825.1	879.3	967.7
50°	14532.8	14153.4	11991.2	5514.8	1385.2	1294.9	925.5	718.7	756.9	805.0	885.3
52.5°	15759.5	15265.6	12772.2	4934.6	1256.7	1158.4	921.5	624.4	696.6	712.7	780.9
55°	15807.6	15199.4	12372.7	3890.7	1082.1	977.7	879.3	546.1	630.4	636.4	694.6
57.5°	13856.3	13306.2	10812.8	2672.1	961.6	716.7	700.6	477.8	518.0	568.1	604.3
60°	10541.8	10074.0	8086.5	1224.6	730.8	455.7	479.8	411.6	387.5	461.7	497.9
62.5°	6456.4	6157.2	4850.3	542.0	465.8	242.9	291.1	327.2	291.1	319.2	349.3
65°	2563.7	2431.2	1840.9	230.9	190.7	122.5	132.5	190.7	204.8	224.8	253.0
67.5°	445.7	421.6	309.2	102.4	78.3	74.3	64.2	88.3	124.5	138.5	160.6
70°	58.2	56.2	50.2	42.2	40.2	36.1	28.1	56.2	84.3	88.3	102.4
72.5°	14.1	12.0	12.0	10.0	12.0	4.0	4.0	30.1	60.2	62.2	72.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	38.1	42.2	50.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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



REPORT NUMBER: P642164

CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6
2.5°	2334.8	2294.7	2280.6	2260.5	2234.4	2242.5	2206.3	2194.3	2212.3	2236.4	2230.4
5°	2122.0	2077.8	2047.7	2001.6	1993.5	1975.5	1963.4	1947.3	1967.4	1995.5	2001.6
7.5°	1953.4	1915.2	1885.1	1871.1	1861.0	1853.0	1828.9	1816.9	1816.9	1828.9	1838.9
10°	1881.1	1853.0	1847.0	1851.0	1867.0	1865.0	1843.0	1826.9	1806.8	1796.8	1808.8
12.5°	1981.5	1935.3	1927.3	1929.3	1949.4	1947.3	1923.3	1903.2	1899.2	1903.2	1941.3
15°	2152.1	2081.9	2029.7	2019.6	2029.7	2025.6	2007.6	1995.5	2001.6	2059.8	2124.0
17.5°	2304.7	2196.3	2101.9	2065.8	2063.8	2057.8	2039.7	2035.7	2065.8	2174.2	2268.6
20°	2348.9	2242.5	2108.0	2061.8	2051.7	2045.7	2025.6	2031.7	2069.8	2200.3	2280.6
22.5°	2290.6	2188.3	2047.7	2001.6	1993.5	1991.5	1971.4	1979.5	2011.6	2126.0	2192.3
25°	2180.2	2093.9	1947.3	1907.2	1907.2	1903.2	1885.1	1889.1	1909.2	2009.6	2073.8
27.5°	2045.7	1963.4	1840.9	1800.8	1806.8	1812.8	1790.8	1784.7	1800.8	1895.2	1933.3
30°	1891.1	1832.9	1736.6	1700.4	1698.4	1722.5	1692.4	1684.4	1706.4	1780.7	1788.7
32.5°	1740.6	1712.5	1644.2	1616.1	1618.1	1622.1	1606.1	1606.1	1626.1	1666.3	1664.3
35°	1594.0	1575.9	1563.9	1543.8	1541.8	1533.8	1533.8	1537.8	1559.9	1573.9	1547.8
37.5°	1453.5	1471.6	1485.6	1465.5	1449.5	1449.5	1449.5	1467.5	1487.6	1481.6	1437.4
40°	1329.0	1367.2	1411.3	1389.2	1351.1	1349.1	1357.1	1387.2	1417.3	1381.2	1341.1
42.5°	1222.6	1270.8	1333.0	1321.0	1278.8	1272.8	1278.8	1317.0	1341.1	1294.9	1250.7
45°	1118.2	1178.4	1252.7	1252.7	1206.6	1200.5	1202.5	1252.7	1266.8	1212.6	1156.4
47.5°	1029.9	1096.1	1174.4	1174.4	1136.3	1124.2	1134.3	1186.5	1196.5	1120.2	1068.0
50°	945.6	1017.8	1104.2	1098.1	1072.0	1062.0	1080.1	1136.3	1124.2	1039.9	985.7
52.5°	839.2	915.5	1033.9	1039.9	1025.9	1027.9	1050.0	1086.1	1052.0	949.6	903.4
55°	742.8	821.1	939.5	971.7	971.7	969.7	979.7	1007.8	979.7	857.2	801.0
57.5°	638.4	704.7	803.0	811.1	817.1	795.0	809.1	847.2	833.1	728.7	696.6
60°	524.0	580.2	636.4	642.4	616.3	570.2	596.2	640.4	650.5	572.2	536.0
62.5°	371.4	425.6	491.9	491.9	465.8	419.6	453.7	491.9	477.8	397.5	375.4
65°	277.0	327.2	377.4	399.5	377.4	345.3	371.4	399.5	377.4	311.2	279.1
67.5°	178.7	212.8	242.9	261.0	265.0	261.0	273.0	265.0	238.9	194.7	176.7
70°	108.4	126.5	142.5	158.6	170.6	176.7	182.7	164.6	138.5	114.4	108.4
72.5°	78.3	94.4	108.4	120.5	134.5	138.5	138.5	126.5	102.4	80.3	74.3
75°	54.2	68.3	80.3	88.3	100.4	104.4	104.4	94.4	76.3	58.2	52.2
77.5°	2.0	14.1	14.1	12.0	16.1	20.1	20.1	24.1	22.1	16.1	14.1
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



REPORT NUMBER: P642164

CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6
2.5°	2242.5	2314.7	2334.8	2409.1	2475.3	2541.6	2621.9	2670.1	2742.3	2792.5	2820.6
5°	2021.6	2081.9	2154.1	2264.5	2379.0	2505.5	2658.0	2790.5	2957.2	3079.6	3119.8
7.5°	1861.0	1939.3	2023.6	2162.2	2318.7	2487.4	2702.2	2919.0	3174.0	3340.6	3447.0
10°	1830.9	1911.2	2023.6	2160.2	2324.8	2517.5	2780.5	3061.6	3380.8	3583.5	3704.0
12.5°	1975.5	2061.8	2110.0	2172.2	2296.7	2511.5	2848.7	3206.1	3581.5	3802.3	3930.8
15°	2188.3	2264.5	2186.2	2108.0	2188.3	2447.2	2886.9	3326.6	3758.2	4013.1	4145.6
17.5°	2334.8	2340.8	2170.2	2003.6	2025.6	2330.8	2900.9	3447.0	3946.9	4213.9	4352.4
20°	2320.8	2272.6	2099.9	1915.2	1847.0	2180.2	2884.9	3553.4	4137.6	4416.7	4553.2
22.5°	2212.3	2156.1	2009.6	1828.9	1696.4	2001.6	2856.8	3649.8	4312.3	4629.5	4758.0
25°	2081.9	2021.6	1901.2	1742.6	1600.0	1828.9	2834.7	3782.3	4533.1	4906.5	5006.9
27.5°	1929.3	1877.1	1774.7	1660.3	1559.9	1698.4	2828.7	3956.9	4800.1	5243.8	5314.1
30°	1780.7	1732.5	1652.2	1586.0	1543.8	1622.1	2808.6	4143.6	5119.3	5631.2	5707.5
32.5°	1638.2	1590.0	1539.8	1529.8	1531.8	1594.0	2740.3	4328.3	5498.7	6193.4	6249.6
35°	1515.7	1459.5	1439.4	1463.5	1507.7	1545.8	2547.6	4480.9	5906.3	6805.7	6851.9
37.5°	1399.3	1343.1	1341.1	1399.3	1447.5	1471.6	2320.8	4631.5	6456.4	7428.0	7486.2
40°	1292.9	1236.7	1256.7	1327.0	1365.2	1377.2	2045.7	4860.3	7038.6	8084.5	8052.4
42.5°	1202.5	1144.3	1156.4	1246.7	1280.8	1313.0	1792.8	5051.1	7598.7	8706.9	8696.8
45°	1114.2	1070.0	1062.0	1160.4	1190.5	1319.0	1608.1	5197.6	8319.4	9499.8	9515.9
47.5°	1027.9	993.7	995.8	1037.9	1112.2	1349.1	1451.5	5294.0	9365.3	10756.6	10477.5
50°	949.6	923.5	945.6	897.4	1062.0	1310.9	1317.0	5273.9	10533.7	11961.1	11401.0
52.5°	863.3	857.2	867.3	750.8	981.7	1156.4	1190.5	5006.9	11081.8	12784.2	12465.0
55°	774.9	772.9	692.6	600.3	821.1	923.5	1019.8	4177.8	11063.7	13221.9	13609.4
57.5°	670.5	654.5	526.0	489.8	638.4	642.4	929.5	2736.3	9805.0	12173.9	12977.0
60°	507.9	495.9	385.5	397.5	445.7	411.6	740.8	1363.1	7327.6	9483.8	10389.2
62.5°	351.3	335.3	287.1	307.2	287.1	234.9	453.7	674.5	4438.7	5988.6	6809.7
65°	257.0	238.9	196.7	168.6	134.5	134.5	172.7	259.0	1718.5	2545.6	3069.6
67.5°	158.6	150.6	116.4	84.3	82.3	88.3	90.3	128.5	277.0	441.7	540.0
70°	102.4	94.4	78.3	54.2	50.2	52.2	54.2	60.2	70.3	76.3	92.3
72.5°	70.3	66.2	56.2	30.1	24.1	26.1	28.1	28.1	34.1	32.1	38.1
75°	50.2	46.2	40.2	14.1	8.0	10.0	12.0	10.0	12.0	8.0	10.0
77.5°	14.1	14.1	10.0	2.0	0.0	2.0	4.0	4.0	2.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	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



REPORT NUMBER: P642164

CATALOG NUMBER: GWS-SA6C-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6	2551.6
2.5°	2892.9	2939.1	2957.2	2931.1	2953.1	2917.0	2903.0	2848.7	2844.7	2834.7
5°	3282.4	3386.8	3449.0	3487.2	3443.0	3394.8	3322.5	3198.1	3159.9	3135.8
7.5°	3665.8	3828.4	3934.8	3985.0	3973.0	3874.6	3744.1	3535.3	3461.1	3424.9
10°	3999.1	4197.8	4326.3	4388.6	4362.5	4276.1	4089.4	3828.4	3730.1	3708.0
12.5°	4232.0	4414.7	4503.0	4557.2	4559.2	4525.1	4348.4	4085.4	3969.0	3940.9
15°	4378.5	4456.8	4458.8	4490.9	4547.2	4623.4	4541.1	4308.3	4183.8	4141.6
17.5°	4470.9	4384.5	4296.2	4304.2	4396.6	4599.4	4683.7	4505.0	4372.5	4326.3
20°	4537.1	4264.1	4099.5	4101.5	4195.8	4503.0	4782.0	4695.7	4559.2	4517.0
22.5°	4579.3	4157.7	3922.8	3916.8	4017.2	4388.6	4872.4	4922.6	4788.1	4739.9
25°	4665.6	4107.5	3816.4	3850.5	3938.9	4352.4	4994.8	5223.7	5099.2	5035.0
27.5°	4820.2	4157.7	3806.4	3884.7	3985.0	4458.8	5207.6	5625.2	5496.7	5424.5
30°	5087.2	4346.4	3960.9	4069.4	4189.8	4737.9	5565.0	6185.3	6000.6	5932.4
32.5°	5516.8	4737.9	4438.7	4671.6	4788.1	5195.6	6101.0	6813.7	6663.1	6526.6
35°	6109.1	5631.2	5597.1	6139.2	6111.1	6062.9	6759.5	7584.6	7357.8	7225.3
37.5°	6924.1	7068.7	7321.6	7859.7	7841.6	7474.2	7624.8	8313.4	8196.9	8026.3
40°	7942.0	8249.1	8678.7	9449.7	9208.7	8747.0	8686.8	9060.2	8965.8	8765.1
42.5°	8542.2	9072.2	9891.3	10583.9	10391.2	9584.2	9515.9	10058.0	9851.2	9632.3
45°	8821.3	9742.8	11348.8	12286.4	11702.2	10140.3	10114.2	11358.9	11242.4	10949.3
47.5°	8949.8	10419.3	13055.3	14474.6	13382.5	10628.1	10533.7	13246.0	13093.4	12748.1
50°	9092.3	11352.8	15111.0	17010.2	15412.2	11180.2	11248.4	15004.6	14940.4	14532.8
52.5°	9405.5	12340.6	17642.6	19909.1	17873.4	12045.4	12475.1	16662.9	16229.2	15759.5
55°	9875.3	13416.6	20276.5	22870.3	20384.9	13207.8	13802.1	17544.2	16327.6	15807.6
57.5°	9355.3	13685.6	21836.4	24938.1	21499.1	13211.9	12679.8	16016.4	14360.2	13856.3
60°	7424.0	12732.0	21236.1	24490.4	20549.5	11732.3	9708.6	12505.2	10879.0	10541.8
62.5°	5018.9	10678.3	18694.5	20712.2	17588.4	9228.8	6309.8	8132.7	6735.4	6456.4
65°	2750.4	7966.1	15105.0	15669.1	13765.9	6446.3	3246.2	3529.3	2688.1	2563.7
67.5°	758.9	5544.9	11113.9	10395.2	9658.4	4197.8	839.2	630.4	449.7	445.7
70°	190.7	3667.8	6659.1	6863.9	5922.3	2688.1	160.6	76.3	60.2	58.2
72.5°	80.3	1578.0	3159.9	3631.7	3031.4	1244.7	58.2	22.1	18.1	14.1
75°	10.0	126.5	269.0	407.5	279.1	134.5	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)