

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: P639693

Luminaire Tested: GWS-SA5C-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-735-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12529.8 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

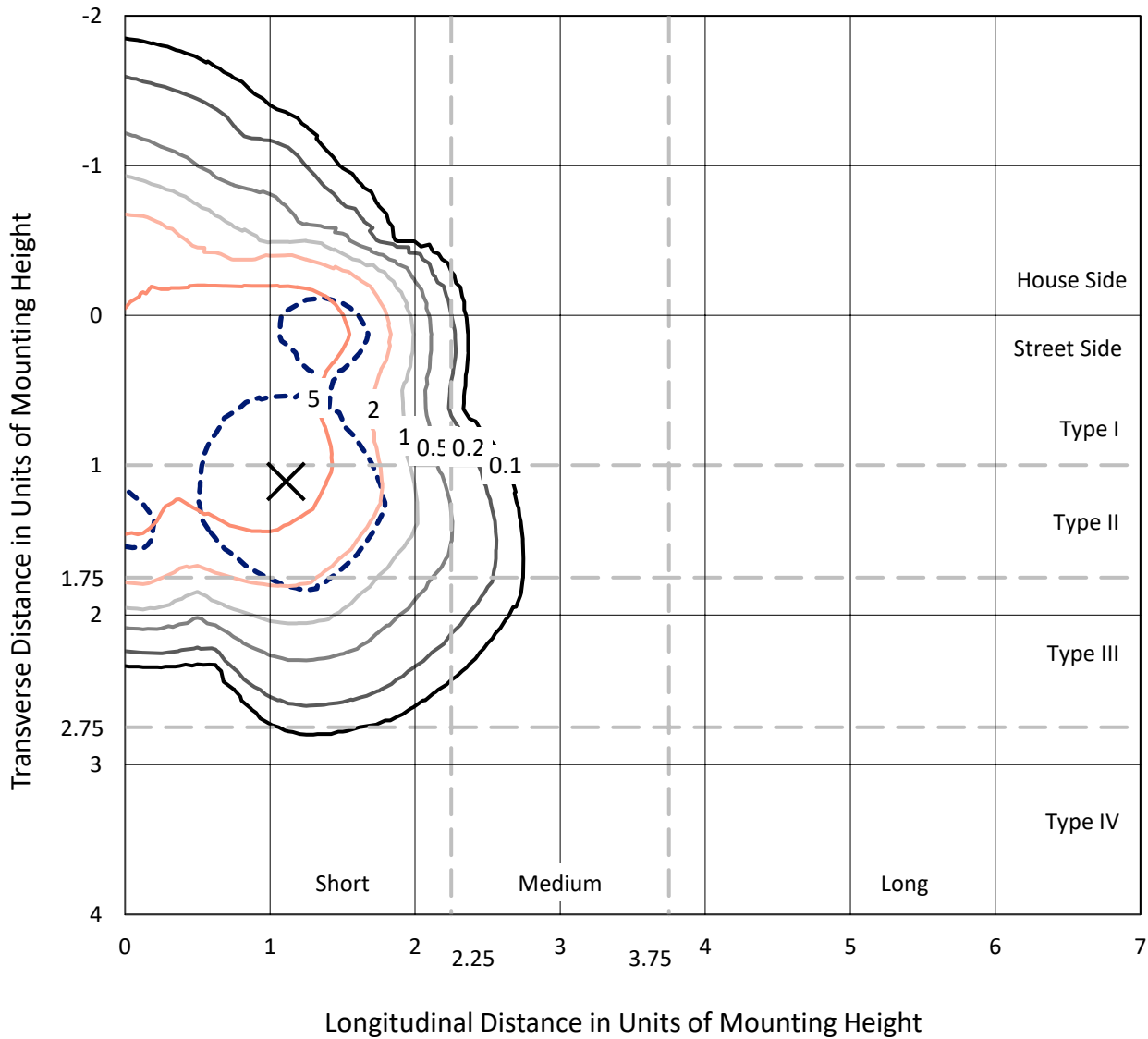
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639693
 CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

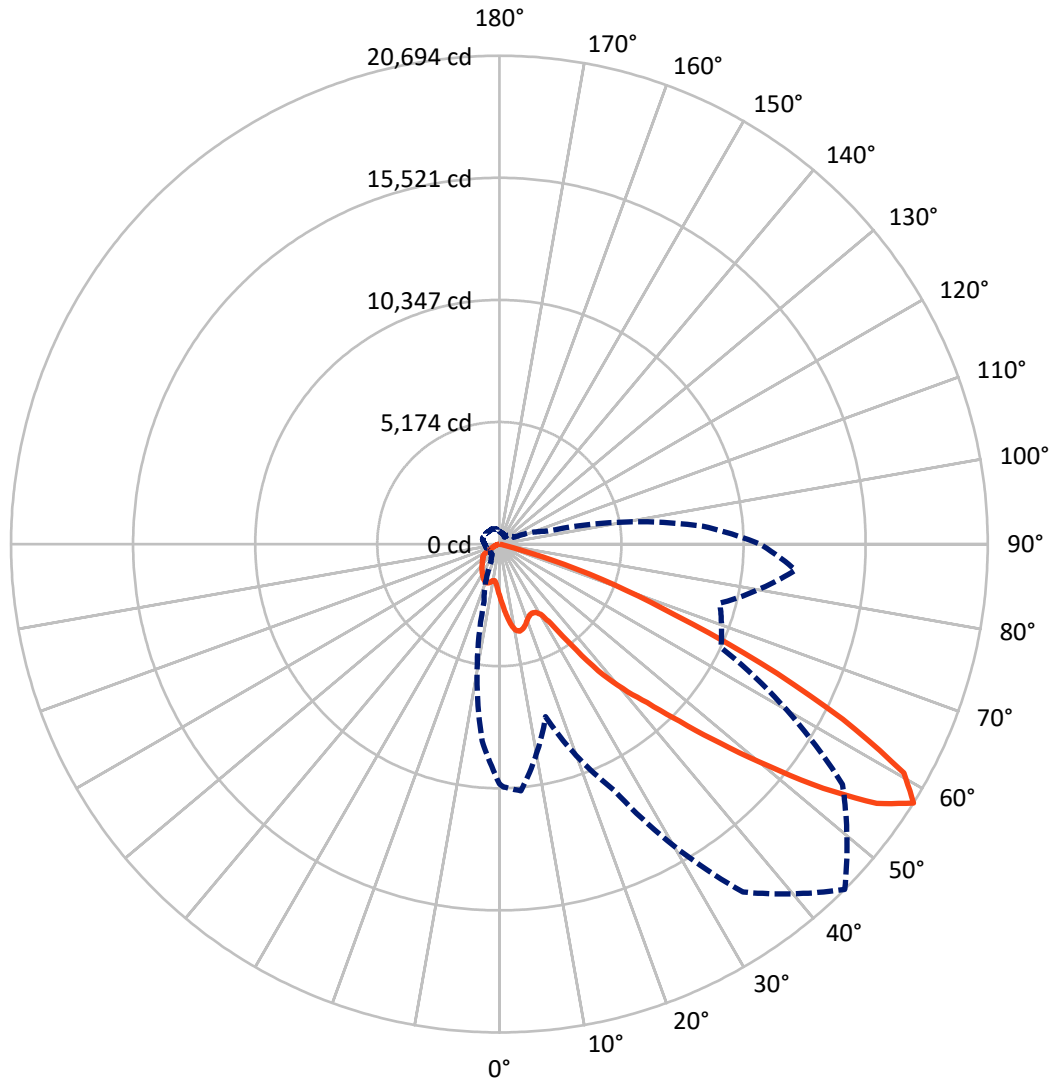
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Short - N/A

REPORT NUMBER: P639693
CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639693

CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2805.8	0.0	2805.8
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	9724.0	0.0	9724.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	12529.8	0.0	12529.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	1.7
10°-20°	700.8	5.6
20°-30°	1138.5	9.1
30°-40°	1759.1	14.0
40°-50°	2820.8	22.5
50°-60°	3855.2	30.8
60°-70°	1867.2	14.9
70°-80°	171.0	1.4
80°-90°	0.5	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°	12529.8	100.0
0°-180°	12529.8	100.0

Coefficient of Utilization



REPORT NUMBER: P639693

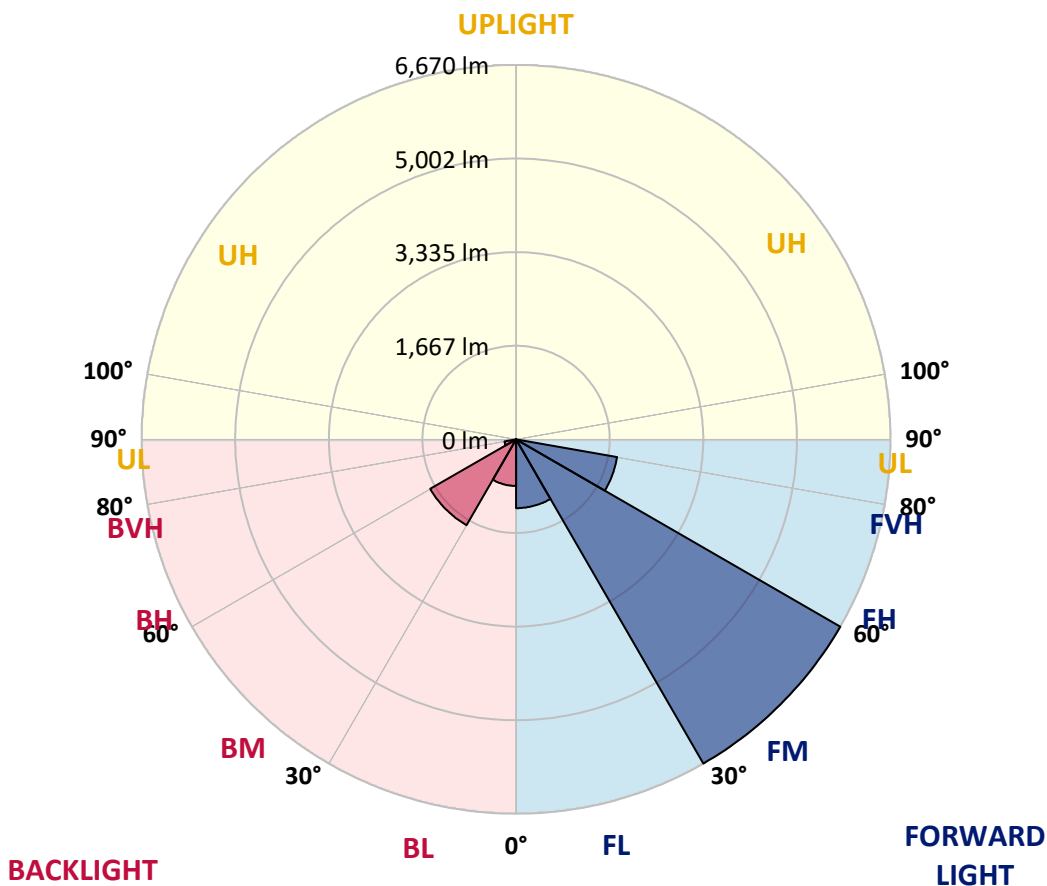
CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.8	9.8			
FM (30°-60°)	6669.9	53.2			
FH (60°-80°)	1827.9	14.6			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	830.2	6.6	B2/1000		
BM (30°-60°)	1765.3	14.1	B2/2500		
BH (60°-80°)	210.3	1.7	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: P639693

CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2
2.5°	2385.8	2400.9	2426.2	2480.1	2525.5	2555.8	2569.3	2565.9	2547.4	2533.9	2507.0
5°	2641.7	2641.7	2690.5	2813.4	2907.7	2966.6	2996.9	2978.4	2941.4	2882.5	2791.5
7.5°	2865.6	2874.0	2956.5	3131.6	3274.7	3358.9	3407.8	3397.7	3332.0	3219.2	3037.3
10°	3040.7	3050.8	3160.3	3374.1	3542.5	3628.3	3700.7	3707.5	3635.1	3485.2	3276.4
12.5°	3210.8	3220.9	3335.4	3540.8	3688.9	3724.3	3788.3	3813.5	3795.0	3688.9	3471.7
15°	3394.3	3417.9	3515.5	3668.7	3731.0	3688.9	3731.0	3776.5	3838.8	3828.7	3633.4
17.5°	3574.4	3591.3	3690.6	3744.5	3675.5	3566.0	3586.2	3640.1	3781.5	3919.6	3793.3
20°	3741.1	3764.7	3847.2	3776.5	3567.7	3397.7	3399.3	3470.1	3685.6	3975.2	3956.6
22.5°	3916.2	3951.6	4010.5	3811.8	3468.4	3264.6	3273.1	3337.0	3609.8	4027.4	4141.8
25°	4145.2	4178.9	4217.6	3899.4	3436.4	3199.0	3231.0	3289.9	3609.8	4116.6	4370.8
27.5°	4455.0	4478.6	4480.3	4062.7	3491.9	3209.1	3276.4	3343.8	3717.6	4295.1	4677.2
30°	4843.9	4881.0	4832.1	4316.9	3665.4	3343.8	3443.1	3527.3	3949.9	4596.4	5128.5
32.5°	5317.0	5369.2	5303.6	4694.1	4027.4	3808.5	3988.6	4037.5	4320.3	5032.5	5640.3
35°	5872.7	5916.4	5845.7	5216.0	4872.6	4913.0	5239.6	5177.3	5064.5	5569.6	6238.0
37.5°	6482.1	6522.6	6386.2	6007.4	6121.8	6296.9	6818.9	6605.1	6241.4	6261.6	6886.2
40°	7041.1	7084.9	6871.1	6867.7	7103.4	7423.3	8053.0	7758.4	7263.4	7167.4	7494.0
42.5°	7620.3	7650.6	7457.0	7325.7	7861.1	8519.4	9186.1	8788.8	7940.2	7835.8	8255.1
45°	8447.0	8511.0	8165.8	7551.3	8543.0	9780.5	10709.9	9933.7	8401.5	8317.4	9420.2
47.5°	9662.6	9709.8	9006.0	7692.7	9177.7	11351.3	12614.1	11418.7	8807.3	8615.4	11012.9
50°	10667.8	10699.8	9778.8	7847.6	9852.9	13045.1	14784.3	13179.8	9263.6	9108.7	12499.6
52.5°	11408.6	11529.8	10794.0	8165.8	10740.2	15036.9	17187.0	15265.9	9975.8	10061.6	13732.1
55°	11561.8	11726.8	11487.7	8361.1	11521.4	17065.7	19406.0	17133.1	10686.3	10783.9	14146.2
57.5°	10161.0	10292.3	10491.0	7573.2	11502.9	17995.1	20694.0	17752.7	10363.0	9671.0	12595.6
60°	7611.9	7702.8	8063.1	5788.5	10578.5	17173.5	19690.6	16698.7	9061.5	7379.5	9596.9
62.5°	4513.9	4554.3	5010.6	3749.5	8780.4	14789.4	16330.0	14408.9	7160.7	4963.5	5877.7
65°	1732.5	1715.7	2064.2	1850.4	6456.9	11780.7	12146.0	10984.3	4913.0	2274.6	2241.0
67.5°	267.7	255.9	345.2	547.2	4657.0	8164.1	8014.3	7916.6	3077.8	530.4	463.0
70°	60.6	60.6	74.1	161.6	2845.4	4796.8	5133.5	4894.4	1969.9	112.8	60.6
72.5°	28.6	28.6	35.4	69.0	1030.4	1976.6	2303.3	2267.9	639.8	37.0	21.9
75°	10.1	11.8	11.8	15.2	62.3	102.7	235.7	168.4	40.4	0.0	0.0
77.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.7	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: P639693

CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2
2.5°	2448.1	2436.3	2392.5	2333.6	2276.3	2225.8	2173.6	2111.3	2065.9	2013.7	1996.8
5°	2720.8	2646.7	2527.2	2402.6	2288.1	2190.5	2096.2	1995.2	1921.1	1847.0	1821.7
7.5°	2951.5	2842.0	2648.4	2461.5	2305.0	2166.9	2030.5	1892.5	1784.7	1697.1	1670.2
10°	3158.6	3032.3	2773.0	2542.3	2345.4	2185.4	2020.4	1847.0	1707.2	1602.9	1577.6
12.5°	3337.0	3190.6	2879.1	2603.0	2362.2	2178.7	2018.7	1880.7	1754.4	1634.8	1602.9
15°	3486.9	3325.3	2968.3	2643.4	2336.9	2094.5	1954.7	1932.9	1922.8	1791.4	1729.1
17.5°	3633.4	3451.5	3040.7	2661.9	2266.2	1946.3	1845.3	1944.6	2050.7	1964.8	1885.7
20°	3786.6	3579.5	3114.8	2665.3	2148.4	1779.6	1762.8	1919.4	2054.1	2027.1	1953.1
22.5°	3966.7	3739.4	3207.4	2663.6	2000.2	1638.2	1702.2	1870.6	1980.0	1978.3	1919.4
25°	4227.7	3941.5	3332.0	2673.7	1838.6	1528.8	1634.8	1788.1	1877.3	1873.9	1825.1
27.5°	4507.2	4182.2	3493.6	2698.9	1700.5	1464.8	1555.7	1675.3	1752.7	1749.3	1707.2
30°	4899.5	4460.1	3648.5	2700.6	1601.2	1431.1	1468.2	1550.7	1624.7	1616.3	1584.3
32.5°	5376.0	4773.2	3778.2	2604.6	1538.9	1399.1	1377.2	1419.3	1476.6	1464.8	1456.4
35°	5951.8	5145.3	3889.3	2394.2	1442.9	1335.2	1276.2	1284.6	1325.1	1331.8	1328.4
37.5°	6608.4	5588.1	4027.4	2116.4	1313.3	1242.6	1163.4	1156.7	1180.3	1202.1	1219.0
40°	7256.6	6086.5	4214.2	1835.2	1195.4	1124.7	1048.9	1032.1	1042.2	1080.9	1116.3
42.5°	7985.7	6664.0	4416.3	1594.4	1114.6	995.1	922.7	890.7	919.3	981.6	1023.7
45°	9036.3	7473.8	4613.3	1402.5	1080.9	880.6	782.9	779.5	811.5	892.3	939.5
47.5°	10511.2	8521.1	4742.9	1252.7	1079.2	791.3	675.2	695.4	732.4	811.5	865.4
50°	11949.0	9832.7	4599.8	1138.2	1043.9	732.4	594.3	634.7	671.8	740.8	796.4
52.5°	12816.1	10538.1	4042.5	1030.4	934.4	705.5	515.2	585.9	592.7	654.9	713.9
55°	12725.2	10081.8	3096.3	863.7	772.8	666.7	432.7	528.7	532.0	579.2	629.7
57.5°	11044.9	8655.8	2126.5	700.4	580.9	550.6	356.9	446.2	478.2	506.8	543.8
60°	8231.5	6315.5	947.9	569.1	368.7	372.1	304.7	336.7	385.6	419.2	451.2
62.5°	4850.7	3633.4	385.6	341.8	203.7	234.0	245.8	245.8	276.1	301.4	321.6
65°	1833.5	1271.2	156.6	171.7	106.1	109.4	144.8	178.5	202.0	223.9	250.9
67.5°	321.6	222.2	80.8	64.0	62.3	55.6	74.1	116.2	129.6	146.5	158.3
70°	53.9	45.5	33.7	32.0	28.6	30.3	48.8	82.5	90.9	96.0	101.0
72.5°	15.2	13.5	10.1	8.4	6.7	8.4	30.3	64.0	67.3	70.7	75.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	11.8	45.5	48.8	50.5	55.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	13.5	16.8	13.5
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



REPORT NUMBER: P639693

CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2
2.5°	1986.7	1953.1	1934.5	1924.4	1924.4	1911.0	1895.8	1890.8	1912.7	1912.7	1949.7
5°	1789.7	1762.8	1732.5	1714.0	1685.4	1690.4	1673.6	1671.9	1693.8	1703.9	1742.6
7.5°	1653.4	1619.7	1601.2	1589.4	1574.2	1567.5	1552.3	1547.3	1559.1	1575.9	1613.0
10°	1562.5	1557.4	1555.7	1564.1	1564.1	1555.7	1542.2	1533.8	1537.2	1569.2	1611.3
12.5°	1586.0	1596.1	1599.5	1613.0	1619.7	1613.0	1602.9	1606.2	1628.1	1687.0	1749.3
15°	1688.7	1680.3	1676.9	1683.7	1688.7	1682.0	1678.6	1703.9	1779.6	1863.8	1934.5
17.5°	1798.2	1744.3	1720.7	1720.7	1724.1	1720.7	1724.1	1772.9	1895.8	1980.0	2032.2
20°	1853.7	1754.4	1717.3	1708.9	1715.7	1717.3	1729.1	1784.7	1919.4	1978.3	1990.1
22.5°	1836.9	1712.3	1670.2	1663.5	1670.2	1676.9	1688.7	1735.9	1862.1	1892.5	1887.4
25°	1752.7	1629.8	1596.1	1596.1	1611.3	1609.6	1614.6	1648.3	1752.7	1771.2	1762.8
27.5°	1646.6	1530.5	1501.8	1518.7	1532.1	1528.8	1530.5	1559.1	1636.5	1641.6	1633.2
30°	1538.9	1437.9	1410.9	1431.1	1449.6	1446.3	1448.0	1476.6	1525.4	1520.4	1508.6
32.5°	1429.4	1355.4	1335.2	1346.9	1375.6	1372.2	1378.9	1409.2	1427.8	1405.9	1392.4
35°	1328.4	1289.7	1274.5	1281.3	1303.2	1308.2	1320.0	1340.2	1340.2	1313.3	1289.7
37.5°	1234.1	1229.1	1219.0	1210.6	1230.8	1245.9	1262.8	1286.3	1252.7	1213.9	1192.0
40°	1146.6	1168.5	1155.0	1133.1	1144.9	1166.8	1200.5	1219.0	1178.6	1139.8	1102.8
42.5°	1065.8	1102.8	1097.8	1070.8	1080.9	1101.1	1139.8	1155.0	1107.9	1064.1	1028.7
45°	988.3	1040.5	1043.9	1010.2	1020.3	1040.5	1086.0	1091.0	1030.4	983.3	958.0
47.5°	921.0	978.2	979.9	954.6	958.0	986.6	1028.7	1030.4	961.4	917.6	885.6
50°	857.0	922.7	927.7	905.8	909.2	942.9	978.2	971.5	897.4	851.9	823.3
52.5°	779.5	868.8	880.6	870.5	883.9	910.9	932.8	909.2	823.3	777.9	752.6
55°	695.4	811.5	836.8	830.1	845.2	867.1	872.1	857.0	749.2	703.8	680.2
57.5°	597.7	668.4	712.2	698.7	710.5	732.4	747.6	735.8	654.9	619.6	599.4
60°	495.0	542.1	552.2	530.4	520.3	559.0	594.3	579.2	510.2	488.3	464.7
62.5°	362.0	415.9	422.6	394.0	382.2	424.3	454.6	439.4	363.7	340.1	321.6
65°	289.6	340.1	353.6	326.6	319.9	351.9	370.4	333.4	279.5	254.2	234.0
67.5°	190.3	230.7	266.0	264.3	250.9	261.0	247.5	217.2	178.5	165.0	151.5
70°	117.9	141.4	163.3	171.7	170.1	166.7	148.2	126.3	114.5	109.4	102.7
72.5°	90.9	114.5	131.3	136.4	138.1	133.0	117.9	97.7	85.9	79.1	74.1
75°	67.3	85.9	99.3	106.1	109.4	106.1	90.9	77.4	65.7	60.6	55.6
77.5°	23.6	28.6	35.4	38.7	37.0	35.4	32.0	32.0	25.3	23.6	20.2
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: P639693
 CATALOG NUMBER: GWS-SA5C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2	2202.2
2.5°	1991.8	2022.1	2077.7	2128.2	2182.0	2237.6	2298.2	2360.5	2389.1	2385.8
5°	1801.5	1867.2	1958.1	2057.5	2168.6	2288.1	2421.1	2557.5	2616.4	2641.7
7.5°	1682.0	1774.6	1894.1	2020.4	2166.9	2336.9	2537.3	2751.1	2837.0	2865.6
10°	1697.1	1804.9	1904.2	2027.1	2183.7	2404.3	2653.5	2907.7	3008.7	3040.7
12.5°	1820.1	1843.6	1870.6	1971.6	2168.6	2454.8	2759.5	3062.6	3178.8	3210.8
15°	1931.2	1821.7	1771.2	1863.8	2114.7	2490.2	2867.3	3229.3	3357.2	3394.3
17.5°	1936.2	1771.2	1658.4	1730.8	2027.1	2505.3	2973.4	3399.3	3539.1	3574.4
20°	1873.9	1715.7	1570.9	1572.6	1907.6	2501.9	3060.9	3552.6	3709.1	3741.1
22.5°	1783.0	1650.0	1500.2	1448.0	1779.6	2495.2	3156.9	3715.9	3885.9	3916.2
25°	1682.0	1565.8	1432.8	1353.7	1651.7	2501.9	3291.6	3929.7	4116.6	4145.2
27.5°	1572.6	1473.2	1380.6	1316.6	1543.9	2527.2	3453.2	4202.5	4424.7	4455.0
30°	1458.1	1384.0	1346.9	1308.2	1476.6	2533.9	3628.3	4520.7	4801.8	4843.9
32.5°	1345.3	1304.8	1306.5	1313.3	1412.6	2486.8	3788.3	4874.2	5249.7	5317.0
35°	1240.9	1229.1	1262.8	1296.4	1320.0	2365.6	3928.0	5291.8	5803.6	5872.7
37.5°	1151.6	1161.7	1203.8	1237.5	1219.0	2193.8	4113.2	5813.7	6423.2	6482.1
40°	1065.8	1091.0	1139.8	1155.0	1141.5	1993.5	4335.5	6317.1	6960.3	7041.1
42.5°	986.6	1005.2	1074.2	1077.6	1119.6	1789.7	4549.3	6859.3	7578.2	7620.3
45°	922.7	919.3	990.0	1011.9	1148.3	1564.1	4758.1	7581.6	8386.4	8447.0
47.5°	860.4	857.0	873.8	973.2	1160.1	1355.4	4965.2	8638.9	9558.2	9662.6
50°	801.4	806.5	754.3	954.6	1096.1	1195.4	5059.4	9617.2	10624.0	10667.8
52.5°	749.2	730.7	639.8	894.0	959.7	1043.9	4791.7	10061.6	11284.0	11408.6
55°	675.2	572.4	527.0	725.7	757.7	910.9	3924.6	9804.0	11341.2	11561.8
57.5°	577.5	449.5	447.9	535.4	535.4	845.2	2513.7	8376.3	9773.7	10161.0
60°	444.5	348.5	370.4	372.1	343.5	616.2	1410.9	6068.0	7226.3	7611.9
62.5°	316.5	266.0	279.5	222.2	197.0	308.1	676.8	3493.6	4460.1	4513.9
65°	212.1	180.2	146.5	122.9	121.2	131.3	279.5	1262.8	1535.5	1732.5
67.5°	139.7	109.4	77.4	77.4	87.6	87.6	106.1	208.8	293.0	267.7
70°	90.9	75.8	48.8	47.1	57.2	57.2	53.9	57.2	60.6	60.6
72.5°	67.3	57.2	28.6	25.3	32.0	33.7	30.3	28.6	28.6	28.6
75°	50.5	40.4	16.8	11.8	15.2	20.2	16.8	11.8	11.8	10.1
77.5°	20.2	15.2	6.7	5.1	8.4	11.8	10.1	5.1	3.4	3.4
80°	1.7	3.4	3.4	3.4	5.1	6.7	8.4	3.4	1.7	1.7
82.5°	0.0	1.7	1.7	1.7	3.4	5.1	6.7	3.4	1.7	1.7
85°	0.0	0.0	0.0	0.0	3.4	5.1	3.4	1.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.7	5.1	3.4	1.7	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)