

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: P634743

Luminaire Tested: GWS-SA3C-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634743
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-SA3C-735-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7340 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

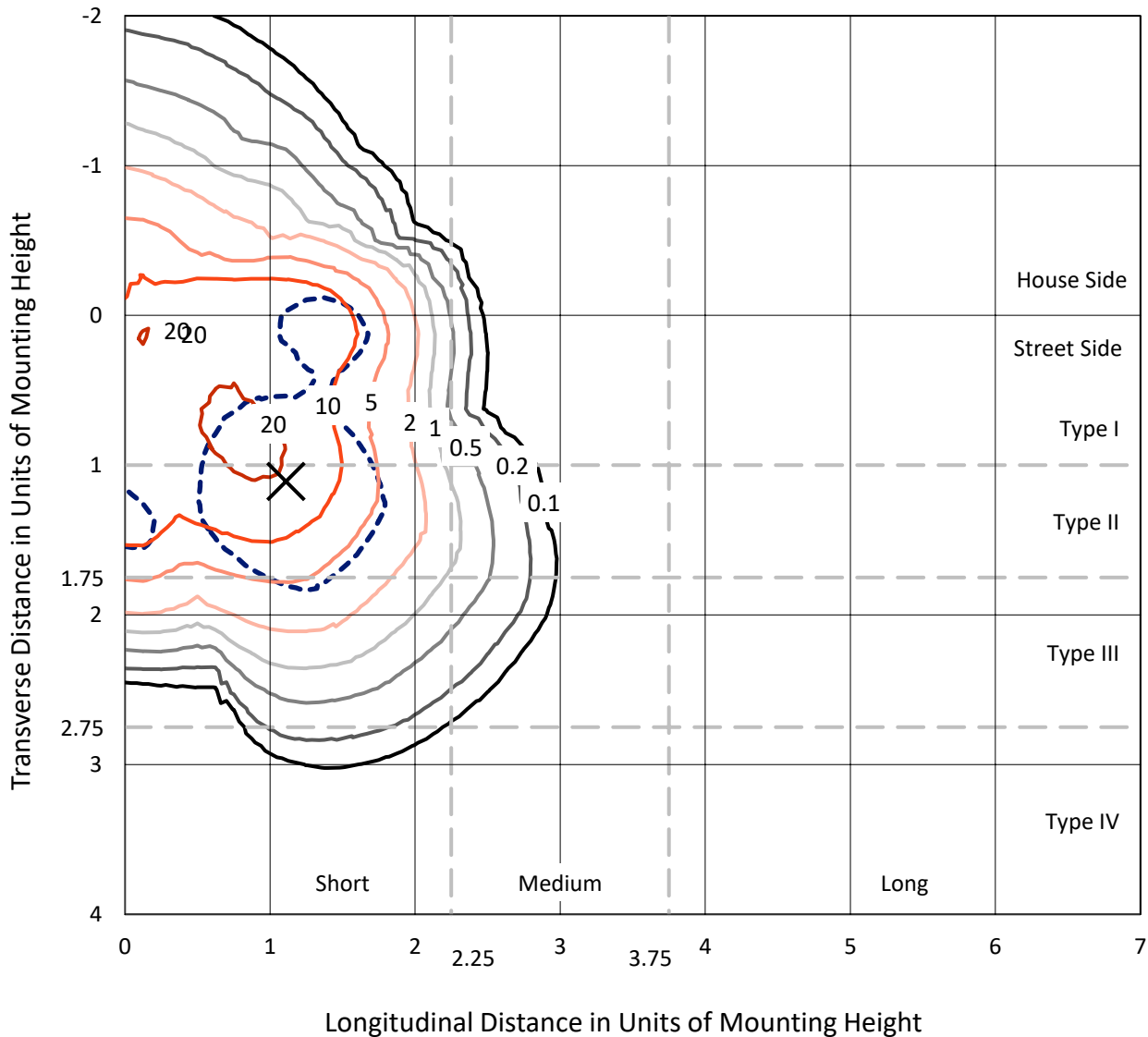
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634743
 CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

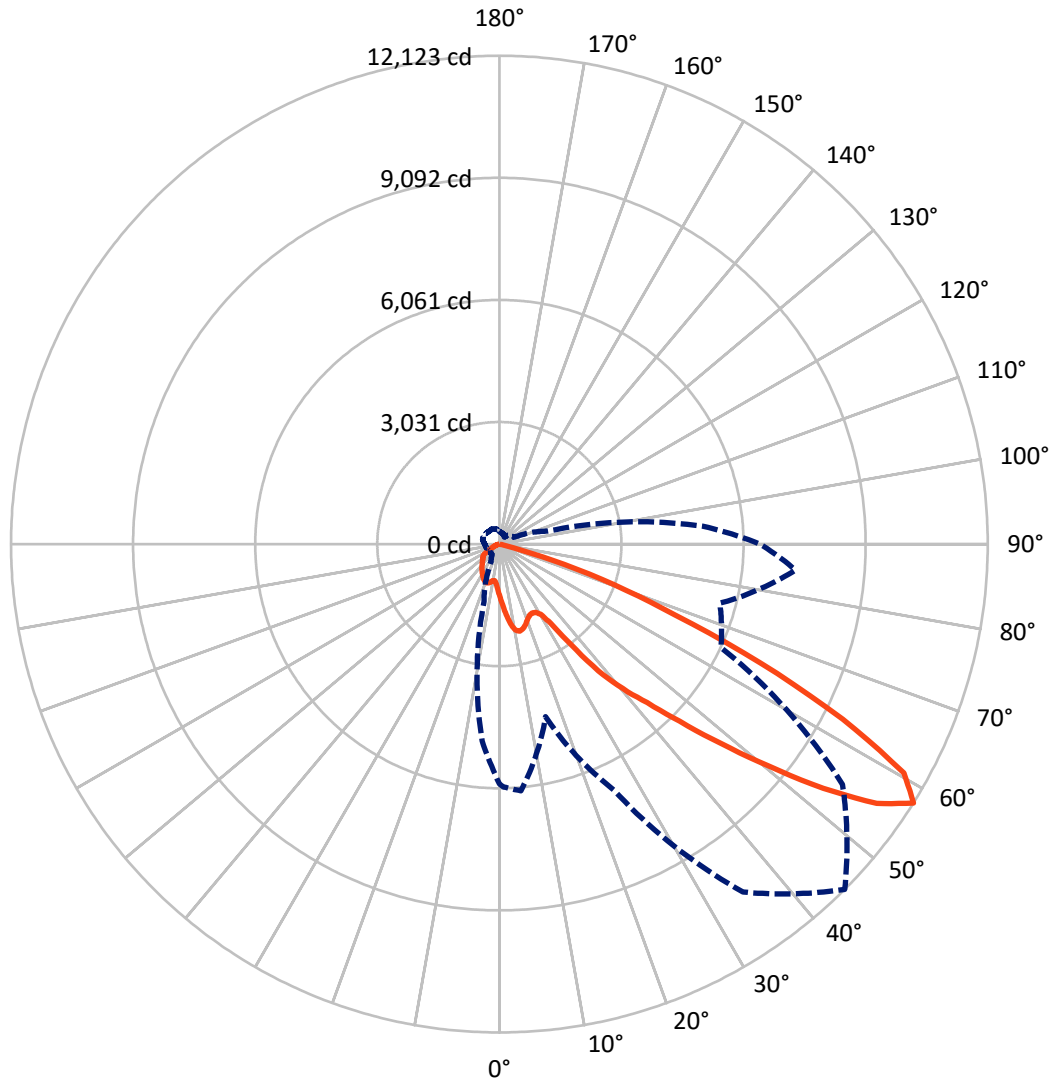
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23 fc
 Type III - Short - N/A

REPORT NUMBER: P634743
CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634743

CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1643.6	0.0	1643.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	5696.4	0.0	5696.4
	% Fixture	77.6	0.0	77.6
Total	Lumens	7340.0	0.0	7340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	1.7
10°-20°	410.6	5.6
20°-30°	666.9	9.1
30°-40°	1030.5	14.0
40°-50°	1652.4	22.5
50°-60°	2258.4	30.8
60°-70°	1093.8	14.9
70°-80°	100.2	1.4
80°-90°	0.3	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°	7340.0	100.0
0°-180°	7340.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634743

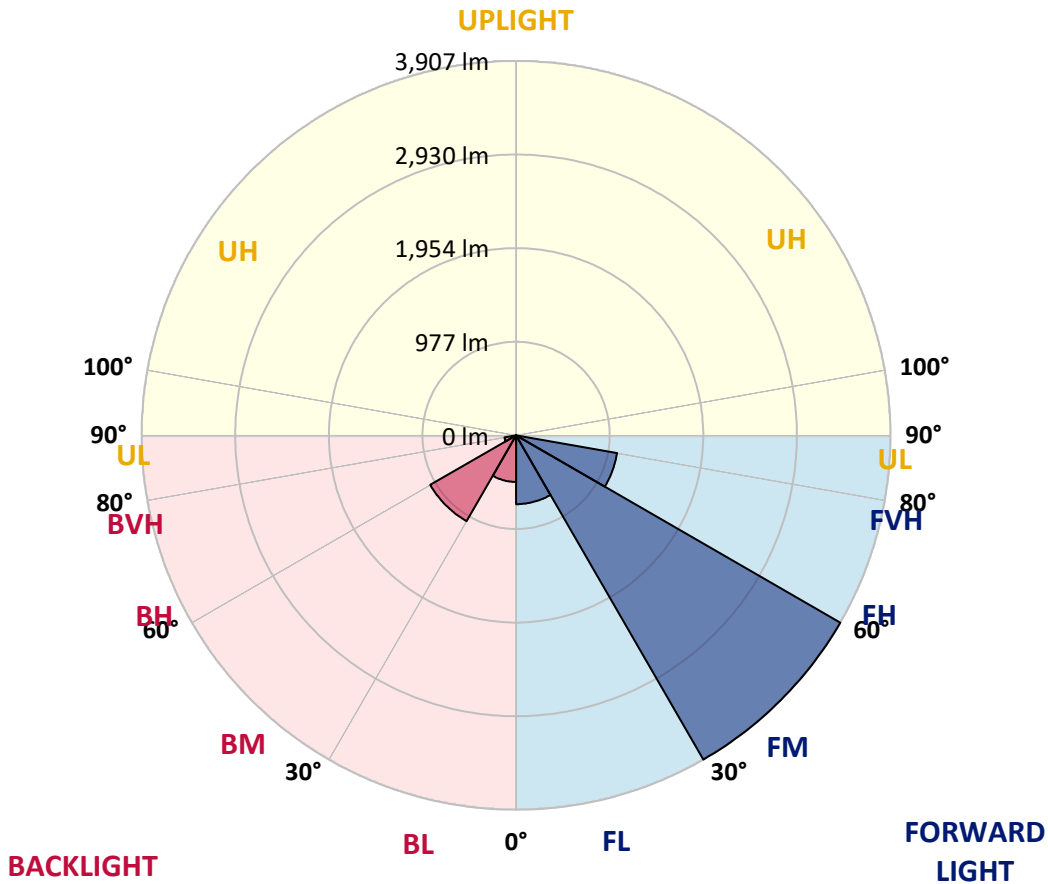
CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	718.1	9.8			
FM (30°-60°)	3907.2	53.2			
FH (60°-80°)	1070.8	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	486.3	6.6	B1/500		
BM (30°-60°)	1034.1	14.1	B2/2500		
BH (60°-80°)	123.2	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-G1

Type III Short





REPORT NUMBER: P634743

CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1397.6	1406.5	1421.3	1452.8	1479.5	1497.2	1505.1	1503.1	1492.3	1484.4	1468.6
5°	1547.5	1547.5	1576.1	1648.1	1703.3	1737.9	1755.6	1744.8	1723.1	1688.6	1635.3
7.5°	1678.7	1683.6	1731.9	1834.5	1918.4	1967.7	1996.3	1990.4	1951.9	1885.8	1779.3
10°	1781.3	1787.2	1851.3	1976.6	2075.2	2125.5	2167.9	2171.8	2129.4	2041.6	1919.3
12.5°	1880.9	1886.8	1953.9	2074.2	2161.0	2181.7	2219.2	2234.0	2223.1	2161.0	2033.8
15°	1988.4	2002.2	2059.4	2149.2	2185.6	2161.0	2185.6	2212.3	2248.8	2242.9	2128.4
17.5°	2093.9	2103.8	2162.0	2193.5	2153.1	2089.0	2100.8	2132.4	2215.2	2296.1	2222.1
20°	2191.6	2205.4	2253.7	2212.3	2090.0	1990.4	1991.3	2032.8	2159.0	2328.7	2317.8
22.5°	2294.1	2314.9	2349.4	2233.0	2031.8	1912.4	1917.4	1954.9	2114.6	2359.2	2426.3
25°	2428.3	2448.0	2470.7	2284.3	2013.0	1874.0	1892.7	1927.2	2114.6	2411.5	2560.4
27.5°	2609.8	2623.6	2624.6	2379.9	2045.6	1879.9	1919.3	1958.8	2177.8	2516.1	2739.9
30°	2837.6	2859.3	2830.7	2528.9	2147.2	1958.8	2017.0	2066.3	2313.9	2692.6	3004.3
32.5°	3114.7	3145.3	3106.9	2749.8	2359.2	2231.0	2336.6	2365.2	2530.9	2948.1	3304.1
35°	3440.2	3465.9	3424.4	3055.6	2854.4	2878.0	3069.4	3032.9	2966.8	3262.7	3654.3
37.5°	3797.3	3820.9	3741.0	3519.1	3586.2	3688.8	3994.5	3869.3	3656.2	3668.1	4034.0
40°	4124.7	4150.4	4025.1	4023.1	4161.2	4348.6	4717.5	4544.9	4254.9	4198.7	4390.0
42.5°	4464.0	4481.8	4368.3	4291.4	4605.0	4990.7	5381.3	5148.5	4651.4	4590.3	4835.8
45°	4948.3	4985.8	4783.6	4423.6	5004.5	5729.4	6273.9	5819.2	4921.6	4872.3	5518.4
47.5°	5660.4	5688.0	5275.7	4506.4	5376.3	6649.7	7389.4	6689.1	5159.3	5046.9	6451.4
50°	6249.2	6268.0	5728.4	4597.2	5771.8	7641.9	8660.7	7720.8	5426.6	5335.9	7322.3
52.5°	6683.2	6754.2	6323.2	4783.6	6291.6	8808.7	10068.2	8942.8	5843.8	5894.1	8044.3
55°	6772.9	6869.6	6729.5	4898.0	6749.3	9997.2	11368.1	10036.6	6260.1	6317.3	8286.9
57.5°	5952.3	6029.3	6145.7	4436.4	6738.4	10541.6	12122.6	10399.6	6070.7	5665.3	7378.5
60°	4459.1	4512.3	4723.4	3390.9	6196.9	10060.3	11534.8	9782.1	5308.3	4323.0	5621.9
62.5°	2644.3	2667.9	2935.2	2196.5	5143.6	8663.7	9566.1	8440.8	4194.7	2907.6	3443.2
65°	1014.9	1005.0	1209.2	1083.9	3782.5	6901.2	7115.2	6434.6	2878.0	1332.5	1312.8
67.5°	156.8	149.9	202.2	320.5	2728.1	4782.6	4694.8	4637.6	1803.0	310.7	271.2
70°	35.5	35.5	43.4	94.7	1666.9	2810.0	3007.2	2867.2	1154.0	66.1	35.5
72.5°	16.8	16.8	20.7	40.4	603.6	1157.9	1349.3	1328.5	374.8	21.7	12.8
75°	5.9	6.9	6.9	8.9	36.5	60.2	138.1	98.6	23.7	0.0	0.0
77.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	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: P634743

CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1434.1	1427.2	1401.5	1367.0	1333.5	1303.9	1273.3	1236.8	1210.2	1179.6	1169.8
5°	1593.9	1550.5	1480.4	1407.5	1340.4	1283.2	1227.9	1168.8	1125.4	1082.0	1067.2
7.5°	1729.0	1664.9	1551.5	1442.0	1350.2	1269.4	1189.5	1108.6	1045.5	994.2	978.4
10°	1850.3	1776.3	1624.4	1489.3	1373.9	1280.2	1183.6	1082.0	1000.1	939.0	924.2
12.5°	1954.9	1869.0	1686.6	1524.8	1383.8	1276.3	1182.6	1101.7	1027.7	957.7	939.0
15°	2042.6	1947.9	1738.9	1548.5	1369.0	1227.0	1145.1	1132.3	1126.4	1049.4	1012.9
17.5°	2128.4	2021.9	1781.3	1559.3	1327.6	1140.2	1081.0	1139.2	1201.3	1151.0	1104.7
20°	2218.2	2096.9	1824.7	1561.3	1258.5	1042.5	1032.7	1124.4	1203.3	1187.5	1144.1
22.5°	2323.7	2190.6	1878.9	1560.3	1171.7	959.7	997.2	1095.8	1159.9	1158.9	1124.4
25°	2476.6	2308.9	1951.9	1566.2	1077.0	895.6	957.7	1047.5	1099.7	1097.8	1069.2
27.5°	2640.3	2450.0	2046.6	1581.0	996.2	858.1	911.3	981.4	1026.7	1024.8	1000.1
30°	2870.1	2612.7	2137.3	1582.0	938.0	838.4	860.1	908.4	951.8	946.9	928.1
32.5°	3149.3	2796.2	2213.3	1525.8	901.5	819.6	806.8	831.5	865.0	858.1	853.2
35°	3486.6	3014.1	2278.4	1402.5	845.3	782.1	747.6	752.5	776.2	780.2	778.2
37.5°	3871.2	3273.5	2359.2	1239.8	769.3	727.9	681.5	677.6	691.4	704.2	714.1
40°	4251.0	3565.5	2468.7	1075.1	700.3	658.9	614.5	604.6	610.5	633.2	653.9
42.5°	4678.0	3903.8	2587.1	934.0	652.9	582.9	540.5	521.8	538.5	575.0	599.7
45°	5293.5	4378.2	2702.5	821.6	633.2	515.8	458.6	456.7	475.4	522.7	550.4
47.5°	6157.5	4991.7	2778.4	733.8	632.2	463.6	395.5	407.3	429.0	475.4	507.0
50°	6999.8	5760.0	2694.6	666.7	611.5	429.0	348.2	371.8	393.5	434.0	466.5
52.5°	7507.7	6173.3	2368.1	603.6	547.4	413.3	301.8	343.2	347.2	383.7	418.2
55°	7454.5	5906.0	1813.8	506.0	452.7	390.6	253.5	309.7	311.7	339.3	368.9
57.5°	6470.1	5070.6	1245.7	410.3	340.3	322.5	209.1	261.4	280.1	296.9	318.6
60°	4822.0	3699.6	555.3	333.4	216.0	218.0	178.5	197.3	225.9	245.6	264.3
62.5°	2841.5	2128.4	225.9	200.2	119.3	137.1	144.0	144.0	161.8	176.5	188.4
65°	1074.1	744.7	91.7	100.6	62.1	64.1	84.8	104.5	118.4	131.2	147.0
67.5°	188.4	130.2	47.3	37.5	36.5	32.5	43.4	68.1	75.9	85.8	92.7
70°	31.6	26.6	19.7	18.7	16.8	17.8	28.6	48.3	53.3	56.2	59.2
72.5°	8.9	7.9	5.9	4.9	3.9	4.9	17.8	37.5	39.5	41.4	44.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	6.9	26.6	28.6	29.6	32.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	7.9	9.9	7.9
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: P634743

CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1163.8	1144.1	1133.3	1127.3	1127.3	1119.5	1110.6	1107.6	1120.4	1120.4	1142.1
5°	1048.4	1032.7	1014.9	1004.1	987.3	990.2	980.4	979.4	992.2	998.1	1020.8
7.5°	968.5	948.8	938.0	931.1	922.2	918.2	909.4	906.4	913.3	923.2	944.9
10°	915.3	912.3	911.3	916.3	916.3	911.3	903.5	898.5	900.5	919.2	943.9
12.5°	929.1	935.0	937.0	944.9	948.8	944.9	939.0	940.9	953.8	988.3	1024.8
15°	989.3	984.3	982.4	986.3	989.3	985.3	983.3	998.1	1042.5	1091.8	1133.3
17.5°	1053.4	1021.8	1008.0	1008.0	1010.0	1008.0	1010.0	1038.6	1110.6	1159.9	1190.5
20°	1085.9	1027.7	1006.0	1001.1	1005.0	1006.0	1012.9	1045.5	1124.4	1158.9	1165.8
22.5°	1076.1	1003.1	978.4	974.5	978.4	982.4	989.3	1016.9	1090.9	1108.6	1105.6
25°	1026.7	954.7	935.0	935.0	943.9	942.9	945.9	965.6	1026.7	1037.6	1032.7
27.5°	964.6	896.5	879.8	889.6	897.5	895.6	896.5	913.3	958.7	961.6	956.7
30°	901.5	842.3	826.5	838.4	849.2	847.2	848.2	865.0	893.6	890.6	883.7
32.5°	837.4	794.0	782.1	789.0	805.8	803.8	807.8	825.5	836.4	823.6	815.7
35°	778.2	755.5	746.6	750.6	763.4	766.4	773.3	785.1	785.1	769.3	755.5
37.5°	723.0	720.0	714.1	709.2	721.0	729.9	739.7	753.5	733.8	711.1	698.3
40°	671.7	684.5	676.6	663.8	670.7	683.5	703.2	714.1	690.4	667.7	646.0
42.5°	624.3	646.0	643.1	627.3	633.2	645.0	667.7	676.6	649.0	623.3	602.6
45°	579.0	609.5	611.5	591.8	597.7	609.5	636.2	639.1	603.6	576.0	561.2
47.5°	539.5	573.0	574.0	559.2	561.2	578.0	602.6	603.6	563.2	537.5	518.8
50°	502.0	540.5	543.5	530.6	532.6	552.3	573.0	569.1	525.7	499.1	482.3
52.5°	456.7	508.9	515.8	509.9	517.8	533.6	546.4	532.6	482.3	455.7	440.9
55°	407.3	475.4	490.2	486.2	495.1	507.9	510.9	502.0	438.9	412.3	398.5
57.5°	350.1	391.6	417.2	409.3	416.2	429.0	437.9	431.0	383.7	363.0	351.1
60°	290.0	317.6	323.5	310.7	304.8	327.5	348.2	339.3	298.8	286.0	272.2
62.5°	212.1	243.6	247.6	230.8	223.9	248.5	266.3	257.4	213.0	199.2	188.4
65°	169.6	199.2	207.1	191.3	187.4	206.1	217.0	195.3	163.7	148.9	137.1
67.5°	111.5	135.1	155.8	154.8	147.0	152.9	145.0	127.2	104.5	96.7	88.8
70°	69.0	82.8	95.7	100.6	99.6	97.6	86.8	74.0	67.1	64.1	60.2
72.5°	53.3	67.1	76.9	79.9	80.9	77.9	69.0	57.2	50.3	46.4	43.4
75°	39.5	50.3	58.2	62.1	64.1	62.1	53.3	45.4	38.5	35.5	32.5
77.5°	13.8	16.8	20.7	22.7	21.7	20.7	18.7	18.7	14.8	13.8	11.8
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



REPORT NUMBER: P634743

CATALOG NUMBER: GWS-SA3C-735-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1166.8	1184.5	1217.1	1246.7	1278.2	1310.8	1346.3	1382.8	1399.6	1397.6
5°	1055.3	1093.8	1147.1	1205.3	1270.4	1340.4	1418.3	1498.2	1532.7	1547.5
7.5°	985.3	1039.6	1109.6	1183.6	1269.4	1369.0	1486.4	1611.6	1661.9	1678.7
10°	994.2	1057.3	1115.5	1187.5	1279.2	1408.4	1554.4	1703.3	1762.5	1781.3
12.5°	1066.2	1080.0	1095.8	1155.0	1270.4	1438.0	1616.5	1794.1	1862.1	1880.9
15°	1131.3	1067.2	1037.6	1091.8	1238.8	1458.7	1679.7	1891.7	1966.7	1988.4
17.5°	1134.2	1037.6	971.5	1013.9	1187.5	1467.6	1741.8	1991.3	2073.2	2093.9
20°	1097.8	1005.0	920.2	921.2	1117.5	1465.6	1793.1	2081.1	2172.8	2191.6
22.5°	1044.5	966.6	878.8	848.2	1042.5	1461.7	1849.3	2176.8	2276.4	2294.1
25°	985.3	917.3	839.3	793.0	967.6	1465.6	1928.2	2302.0	2411.5	2428.3
27.5°	921.2	863.0	808.8	771.3	904.4	1480.4	2022.9	2461.8	2592.0	2609.8
30°	854.1	810.7	789.0	766.4	865.0	1484.4	2125.5	2648.2	2812.9	2837.6
32.5°	788.1	764.4	765.4	769.3	827.5	1456.8	2219.2	2855.3	3075.3	3114.7
35°	726.9	720.0	739.7	759.5	773.3	1385.8	2301.0	3099.9	3399.8	3440.2
37.5°	674.6	680.5	705.2	724.9	714.1	1285.2	2409.5	3405.7	3762.7	3797.3
40°	624.3	639.1	667.7	676.6	668.7	1167.8	2539.7	3700.6	4077.4	4124.7
42.5°	578.0	588.8	629.3	631.2	655.9	1048.4	2665.0	4018.2	4439.3	4464.0
45°	540.5	538.5	579.9	592.8	672.7	916.3	2787.3	4441.3	4912.8	4948.3
47.5°	504.0	502.0	511.9	570.1	679.6	794.0	2908.6	5060.7	5599.2	5660.4
50°	469.5	472.4	441.9	559.2	642.1	700.3	2963.8	5633.8	6223.6	6249.2
52.5°	438.9	428.1	374.8	523.7	562.2	611.5	2807.0	5894.1	6610.2	6683.2
55°	395.5	335.3	308.7	425.1	443.8	533.6	2299.1	5743.2	6643.7	6772.9
57.5°	338.3	263.3	262.4	313.6	313.6	495.1	1472.5	4906.9	5725.5	5952.3
60°	260.4	204.2	217.0	218.0	201.2	361.0	826.5	3554.6	4233.2	4459.1
62.5°	185.4	155.8	163.7	130.2	115.4	180.5	396.5	2046.6	2612.7	2644.3
65°	124.3	105.5	85.8	72.0	71.0	76.9	163.7	739.7	899.5	1014.9
67.5°	81.9	64.1	45.4	45.4	51.3	51.3	62.1	122.3	171.6	156.8
70°	53.3	44.4	28.6	27.6	33.5	33.5	31.6	33.5	35.5	35.5
72.5°	39.5	33.5	16.8	14.8	18.7	19.7	17.8	16.8	16.8	16.8
75°	29.6	23.7	9.9	6.9	8.9	11.8	9.9	6.9	6.9	5.9
77.5°	11.8	8.9	3.9	3.0	4.9	6.9	5.9	3.0	2.0	2.0
80°	1.0	2.0	2.0	2.0	3.0	3.9	4.9	2.0	1.0	1.0
82.5°	0.0	1.0	1.0	1.0	2.0	3.0	3.9	2.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	2.0	3.0	2.0	1.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.0	3.0	2.0	1.0	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)