

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: P629798

Luminaire Tested: GWS-SA1C-735-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-735-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4488.7 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
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

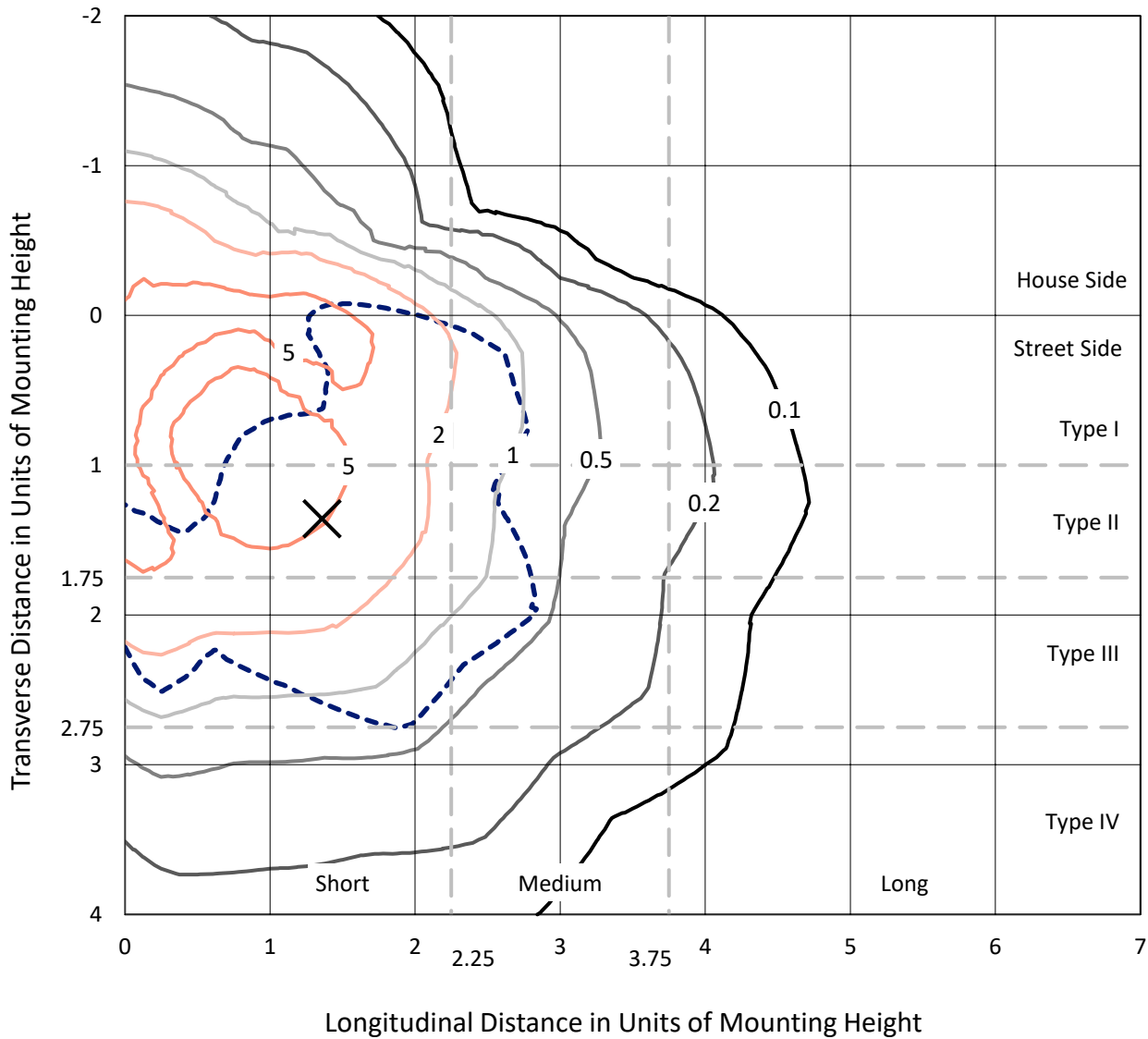


REPORT NUMBER: P629798

CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

### Iso-Footcandle Lines of Horizontal Illumination

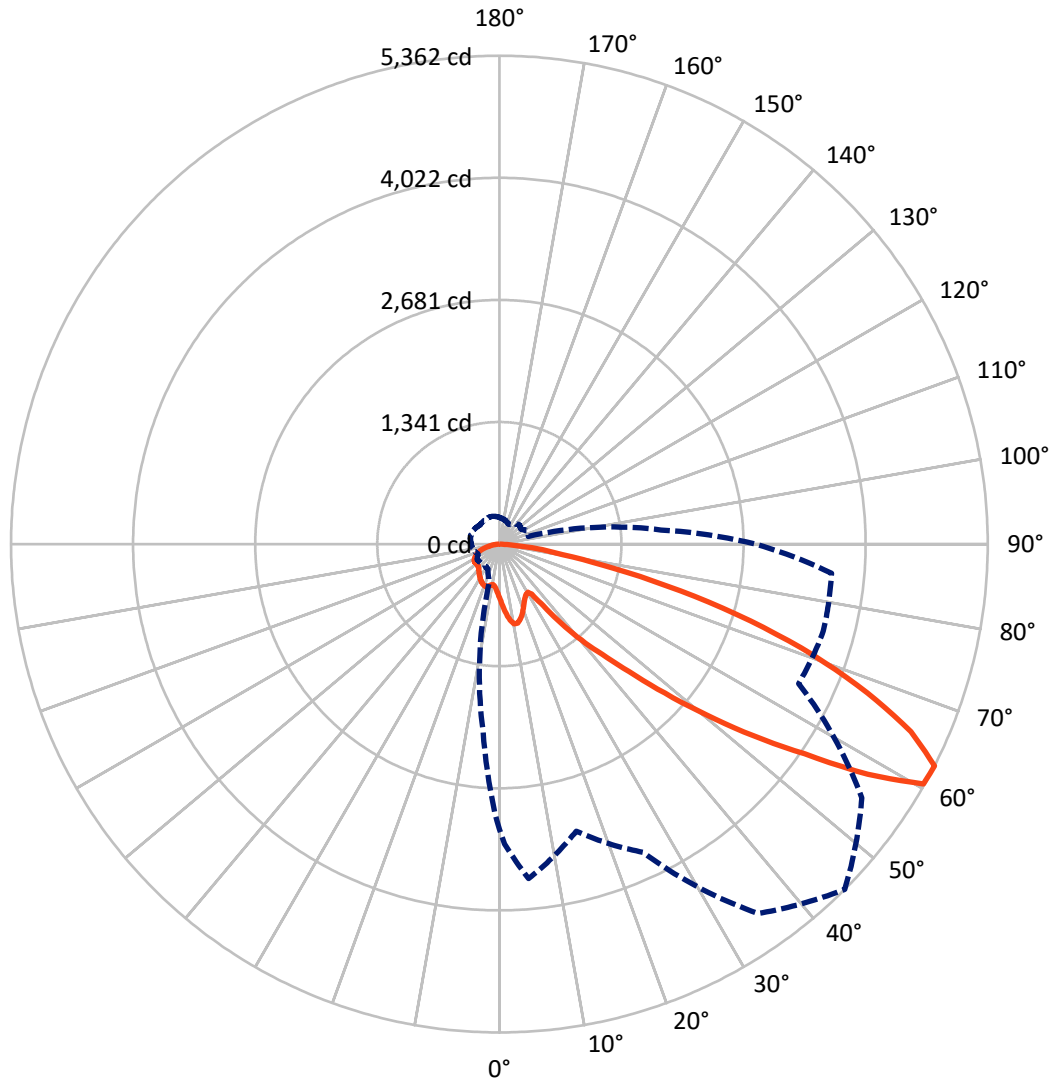
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P629798  
CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P629798

CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1071.1	0.0	1071.1
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	3417.6	0.0	3417.6
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	4488.7	0.0	4488.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	1.3
10°-20°	182.4	4.1
20°-30°	283.3	6.3
30°-40°	384.6	8.6
40°-50°	609.6	13.6
50°-60°	1075.4	24.0
60°-70°	1196.5	26.7
70°-80°	606.8	13.5
80°-90°	91.9	2.0
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°	4488.7	100.0
0°-180°	4488.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629798

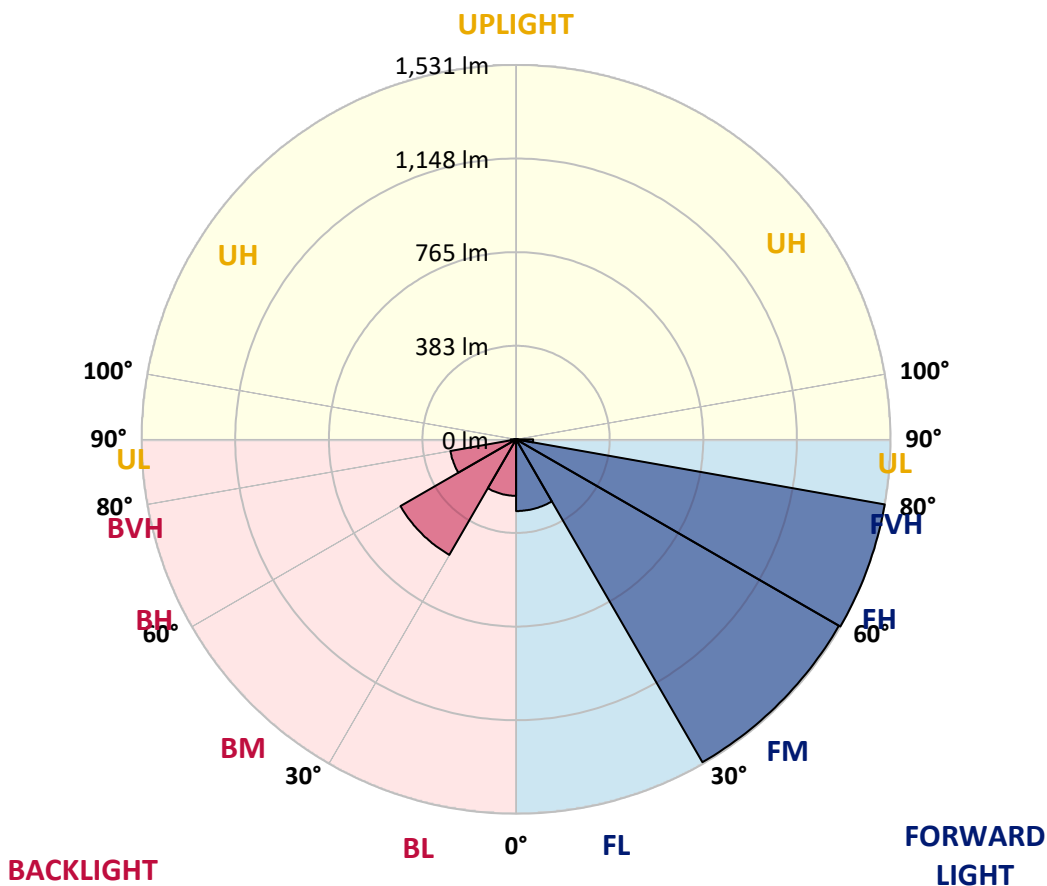
CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.1	6.5			
FM (30°-60°)	1524.1	34.0			
FH (60°-80°)	1530.7	34.1			G1/1800
FVH (80°-90°)	69.7	1.6			G1/100
BL (0°-30°)	230.8	5.1	B1/500		
BM (30°-60°)	545.5	12.2	B1/1000		
BH (60°-80°)	272.6	6.1	B1/500		G1/500
BVH (80°-90°)	22.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





REPORT NUMBER: P629798  
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7
2.5°	640.3	639.9	646.4	656.2	665.4	669.5	676.3	675.6	670.2	663.0	660.7
5°	690.6	691.9	703.1	724.9	749.0	759.2	763.6	761.9	752.1	739.5	717.4
7.5°	736.1	738.5	755.8	788.4	818.3	831.9	842.8	840.8	826.5	803.0	770.4
10°	769.4	772.1	792.9	831.3	864.6	876.5	890.4	891.1	878.5	846.9	813.6
12.5°	802.7	805.4	824.8	859.8	881.5	881.9	890.0	894.5	895.1	880.5	847.2
15°	837.4	839.7	857.4	877.1	876.1	857.1	857.1	865.6	884.3	894.8	871.7
17.5°	866.9	870.0	883.6	877.1	846.9	812.6	808.5	819.4	852.0	892.4	890.0
20°	891.4	893.8	901.3	858.4	803.4	758.5	750.7	763.3	807.5	877.8	904.0
22.5°	914.9	916.2	912.1	834.0	756.5	705.2	695.7	708.9	756.5	852.0	915.9
25°	942.7	941.4	922.0	808.5	713.7	663.0	653.2	668.1	717.7	817.7	928.8
27.5°	975.0	969.9	930.5	781.0	680.7	631.8	625.0	640.9	687.2	786.1	939.0
30°	1002.5	992.7	931.8	756.5	663.7	618.5	614.4	629.4	672.2	764.6	951.9
32.5°	1033.1	1019.5	939.7	750.0	673.2	650.5	655.9	656.9	676.3	758.5	971.3
35°	1077.0	1059.3	961.1	768.7	771.1	809.5	829.2	802.7	737.8	772.1	1008.0
37.5°	1143.2	1120.8	1004.6	849.6	973.3	1059.3	1106.9	1046.4	924.7	823.4	1063.4
40°	1223.8	1195.2	1060.3	999.1	1162.3	1299.9	1384.5	1295.8	1117.1	951.6	1141.2
42.5°	1336.3	1306.4	1168.4	1145.9	1337.3	1542.2	1652.6	1520.5	1286.6	1117.1	1265.9
45°	1532.3	1503.5	1366.5	1293.1	1542.2	1840.6	1995.5	1811.7	1458.9	1283.2	1499.0
47.5°	1894.6	1860.6	1660.8	1456.2	1776.0	2228.0	2444.8	2177.0	1638.0	1473.6	1890.5
50°	2329.6	2297.0	2030.2	1649.3	2034.3	2642.3	2943.7	2606.2	1844.3	1705.0	2358.5
52.5°	2853.0	2846.9	2557.3	1893.3	2303.1	3084.1	3497.3	3081.7	2070.3	2016.6	2888.7
55°	3324.7	3384.5	3226.8	2265.4	2650.4	3639.0	4066.5	3600.3	2376.9	2531.8	3509.5
57.5°	3578.9	3739.6	3981.9	3024.6	3155.4	4302.4	4769.0	4233.4	2903.6	3389.6	4085.2
60°	3411.0	3593.1	4032.2	3596.2	3656.4	4833.9	5348.8	4765.6	3420.8	3985.0	4052.6
62.5°	3131.6	3295.1	3685.6	3262.5	3733.8	4950.8	5362.4	4858.4	3626.4	3682.9	3660.8
65°	2800.3	2965.1	3378.7	2847.9	3487.5	4673.2	4966.8	4585.5	3257.0	3327.4	3335.5
67.5°	2360.2	2512.4	2933.5	2532.2	3178.9	4265.7	4359.5	4196.7	2999.4	3111.6	2994.3
70°	1763.4	1900.7	2272.5	2057.7	2679.7	3734.9	3659.1	3683.2	2710.2	2821.7	2501.2
72.5°	1205.1	1308.4	1627.2	1617.0	2052.0	2989.9	2884.2	3112.9	2263.7	2411.5	1906.9
75°	842.8	923.3	1176.2	1277.5	1551.0	2216.1	2054.0	2330.0	1767.9	1978.9	1391.3
77.5°	517.2	570.6	742.9	946.5	997.8	1516.7	1275.8	1753.2	1241.4	1443.3	928.1
80°	258.6	284.4	360.9	595.1	661.7	893.8	704.5	1017.8	840.1	893.8	513.5
82.5°	78.2	86.3	105.7	226.0	342.9	514.5	416.3	591.3	458.8	419.0	202.2
85°	20.7	23.4	29.2	66.9	120.3	184.5	140.7	286.5	219.9	154.6	76.1
87.5°	1.7	1.7	1.4	1.4	0.7	0.0	0.0	20.4	41.1	23.4	13.3
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: P629798  
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7
2.5°	648.8	647.4	633.5	623.3	611.4	599.8	587.9	577.4	565.5	553.6	550.2
5°	701.1	691.6	662.0	637.2	612.7	591.3	572.6	553.3	537.6	522.3	516.6
7.5°	747.3	730.7	687.8	650.1	616.1	589.6	562.1	533.9	511.8	490.1	484.6
10°	789.1	767.0	713.0	665.4	627.7	597.4	565.2	527.4	495.5	469.0	461.8
12.5°	820.0	795.9	734.7	680.0	637.2	603.2	571.3	538.0	504.3	470.0	462.2
15°	844.5	819.4	752.7	691.2	637.5	593.7	562.8	551.2	540.7	507.0	492.8
17.5°	864.2	837.7	768.4	698.0	628.4	564.8	538.0	555.0	581.8	560.7	533.9
20°	882.2	855.4	780.3	702.8	608.0	525.1	510.1	546.1	586.6	585.9	561.8
22.5°	901.9	875.8	797.6	705.5	579.4	484.6	493.4	533.2	566.2	576.0	561.1
25°	927.1	904.0	821.7	711.6	547.1	456.7	481.2	516.6	544.1	546.5	537.6
27.5°	956.3	939.0	857.8	725.9	515.9	442.5	466.9	493.1	518.3	519.3	508.7
30°	988.3	976.7	891.1	737.8	492.4	438.1	448.6	469.7	485.6	488.4	479.2
32.5°	1029.0	1018.8	920.6	730.0	478.5	437.0	431.6	442.5	455.7	455.7	448.6
35°	1085.1	1070.8	951.9	700.1	461.5	433.0	413.6	416.6	422.4	423.4	419.4
37.5°	1164.6	1141.2	983.5	640.9	433.6	418.3	392.9	389.1	391.2	393.9	392.9
40°	1263.2	1224.8	1029.7	569.9	400.3	390.1	371.4	364.3	362.6	368.0	370.1
42.5°	1387.2	1328.4	1079.3	503.6	370.1	357.9	346.3	340.2	337.5	346.6	352.1
45°	1585.4	1488.5	1126.9	438.1	353.1	330.3	322.5	318.1	319.5	330.3	337.1
47.5°	1927.6	1732.9	1172.1	396.6	351.7	310.6	301.1	302.1	305.9	317.4	325.6
50°	2360.5	2060.1	1202.4	379.3	355.8	298.7	286.1	291.6	297.4	308.6	318.1
52.5°	2801.3	2365.0	1166.3	369.7	355.5	299.1	272.2	288.5	291.2	302.5	312.7
55°	3104.5	2398.9	1007.6	355.1	350.0	312.7	261.3	287.2	288.9	299.1	308.2
57.5°	3220.0	2282.7	768.4	359.2	333.7	323.2	256.6	277.7	289.9	298.7	308.2
60°	3080.3	2063.5	466.9	369.7	307.6	322.5	259.6	260.3	281.4	296.3	305.9
62.5°	2816.9	1782.1	327.9	339.8	288.5	304.5	266.8	239.9	266.4	284.4	292.9
65°	2515.2	1451.1	250.1	292.6	279.3	276.6	269.2	221.9	246.0	263.7	271.2
67.5°	2200.8	1127.9	203.2	218.2	252.5	250.1	246.0	205.9	221.9	234.5	243.0
70°	1804.9	789.1	171.6	163.8	216.5	224.3	215.1	185.9	191.0	203.9	210.7
72.5°	1320.3	491.8	141.0	135.3	174.0	196.1	191.3	163.8	166.2	178.4	183.9
75°	949.5	281.4	113.2	111.5	132.9	167.9	158.4	141.0	143.8	152.9	156.7
77.5°	603.6	156.7	87.3	89.7	95.2	125.4	135.3	120.6	120.6	126.1	129.1
80°	323.2	89.7	63.9	64.9	66.6	95.8	106.7	93.5	93.5	89.7	93.5
82.5°	131.9	51.7	43.8	40.8	44.5	65.6	74.8	59.5	62.2	56.1	57.4
85°	43.5	25.8	21.7	21.4	21.1	28.9	36.0	29.6	35.3	22.4	23.4
87.5°	5.8	4.8	2.7	2.0	2.4	1.0	2.0	2.4	2.4	1.7	1.7
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: P629798  
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7
2.5°	547.8	545.1	535.3	537.6	535.9	533.2	535.9	530.8	534.9	536.3	544.8
5°	512.1	505.7	496.2	491.4	490.4	487.7	488.0	485.6	486.3	492.1	501.6
7.5°	480.2	474.1	466.6	463.2	460.1	457.1	456.7	456.4	459.1	464.2	473.4
10°	457.1	453.7	450.6	452.0	450.6	449.3	446.9	446.9	451.3	460.5	471.7
12.5°	457.1	456.4	457.1	461.2	460.8	461.2	458.1	459.8	472.0	487.7	503.6
15°	481.6	476.1	476.1	478.2	477.5	477.5	477.5	484.6	512.5	536.6	553.6
17.5°	511.5	495.5	488.7	487.7	487.3	487.3	488.7	504.0	547.5	573.0	582.8
20°	532.2	501.9	490.7	486.3	486.7	487.3	491.4	512.5	560.4	573.3	570.9
22.5°	535.9	496.8	483.3	476.8	477.8	478.5	484.6	507.0	542.7	544.8	540.0
25°	518.6	482.6	468.0	462.9	464.2	463.9	469.3	485.6	511.1	510.4	507.7
27.5°	492.8	459.8	448.9	445.5	447.9	445.2	446.9	459.5	479.2	478.5	477.5
30°	466.3	437.7	427.9	426.2	429.2	425.1	425.5	436.0	449.6	448.9	448.6
32.5°	439.8	415.6	406.8	406.8	409.8	405.4	406.1	415.3	424.5	421.7	421.7
35°	414.6	397.6	390.5	389.1	391.5	388.4	389.8	398.3	401.7	398.0	395.6
37.5°	392.5	385.0	377.9	373.1	373.5	373.8	377.9	384.4	382.3	376.9	373.8
40°	372.1	372.1	365.3	356.5	355.5	357.9	364.6	371.8	366.0	359.9	356.2
42.5°	357.5	360.6	354.1	345.3	343.2	347.3	354.8	359.9	353.1	346.3	341.2
45°	343.9	351.4	347.0	337.1	334.4	339.2	348.7	350.7	341.5	335.1	331.3
47.5°	334.4	344.6	341.5	332.0	327.9	334.7	344.6	344.3	332.7	325.9	322.8
50°	327.6	340.5	340.2	332.0	327.6	336.1	344.9	340.5	327.9	320.8	317.8
52.5°	322.2	340.2	342.6	337.8	334.7	342.2	347.7	339.2	324.5	317.1	314.7
55°	319.8	341.5	343.2	338.8	336.1	342.9	347.7	341.9	324.5	317.8	315.7
57.5°	320.5	339.8	340.2	334.1	329.3	337.8	345.3	343.6	328.3	320.5	318.1
60°	316.4	330.7	331.3	321.8	316.4	326.6	339.8	338.8	326.6	318.4	314.0
62.5°	302.8	315.4	315.7	306.9	299.1	313.7	328.3	327.9	316.7	308.6	303.5
65°	280.0	293.3	296.7	288.2	282.1	297.7	313.0	312.3	301.1	293.6	288.5
67.5°	251.8	266.1	272.6	266.8	264.4	278.7	292.9	292.6	283.4	276.3	271.9
70°	217.5	229.4	240.3	240.3	238.6	254.9	270.2	268.8	260.3	254.9	251.5
72.5°	189.0	198.1	201.5	204.9	210.0	227.0	239.9	240.9	234.8	232.1	234.8
75°	160.7	166.5	169.6	166.9	175.7	193.4	210.4	212.1	205.6	201.2	202.2
77.5°	132.2	138.7	141.7	135.6	134.9	157.3	178.1	181.8	176.4	169.6	171.6
80°	95.5	104.0	109.1	105.0	103.7	113.5	142.1	146.1	141.0	135.6	138.7
82.5°	58.5	63.2	64.6	68.6	77.1	81.2	91.4	105.0	101.3	96.5	105.0
85°	23.1	27.5	30.6	34.7	40.4	47.9	56.4	67.3	61.2	59.1	69.7
87.5°	1.4	0.3	0.0	0.7	5.8	11.2	24.1	33.3	27.9	29.9	36.0
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: P629798  
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7	595.7
2.5°	551.6	560.4	572.3	582.1	594.7	606.6	618.9	631.1	637.5	640.3
5°	512.5	528.8	547.8	568.9	593.4	619.2	645.4	672.2	689.2	690.6
7.5°	489.0	512.5	538.6	565.2	595.4	631.1	672.5	714.0	731.3	736.1
10°	496.5	522.7	543.4	568.2	601.5	646.0	695.0	743.6	763.6	769.4
12.5°	526.4	531.5	538.0	560.7	601.5	659.0	718.1	775.9	797.3	802.7
15°	551.2	526.8	515.2	539.3	593.4	670.2	742.6	806.4	832.3	837.4
17.5°	553.3	511.1	486.0	507.7	579.1	678.0	766.0	840.4	862.2	866.9
20°	532.5	494.5	461.8	475.1	559.7	681.4	783.0	865.2	886.6	891.4
22.5°	509.1	480.9	445.5	444.9	536.3	685.1	803.4	888.7	911.8	914.9
25°	487.0	462.2	432.3	422.8	509.1	692.3	830.9	924.0	941.7	942.7
27.5°	461.2	442.1	421.7	412.6	485.3	705.9	871.7	966.2	976.7	975.0
30°	437.7	423.4	414.3	411.5	470.3	716.0	910.4	1007.6	1008.3	1002.5
32.5°	412.9	407.5	407.5	416.3	458.1	713.7	942.0	1048.1	1041.6	1033.1
35°	390.8	391.8	399.0	419.7	437.7	689.9	972.3	1098.7	1089.2	1077.0
37.5°	369.7	377.6	387.8	407.8	410.9	654.5	1007.6	1170.4	1158.5	1143.2
40°	351.7	363.6	375.5	385.4	382.3	604.2	1056.9	1254.7	1241.4	1223.8
42.5°	337.5	349.0	362.3	363.3	364.3	551.9	1109.2	1358.0	1355.6	1336.3
45°	328.3	335.8	348.3	346.6	363.3	494.1	1157.5	1515.7	1547.0	1532.3
47.5°	322.2	327.9	329.3	336.4	372.1	442.5	1219.7	1824.3	1911.3	1894.6
50°	318.8	324.5	309.3	337.1	373.5	409.2	1305.7	2211.7	2351.7	2329.6
52.5°	318.4	317.1	294.0	344.3	366.0	388.8	1350.5	2494.4	2805.1	2853.0
55°	319.1	302.1	286.1	346.3	351.1	381.3	1200.3	2630.4	3223.4	3324.7
57.5°	313.0	285.8	290.6	338.1	322.8	401.4	887.3	2581.8	3390.6	3578.9
60°	301.4	270.2	298.7	316.1	294.0	367.0	611.0	2365.0	3217.3	3411.0
62.5°	284.8	259.3	297.7	287.5	283.4	300.4	420.0	2061.5	2942.3	3131.6
65°	266.1	250.5	281.7	260.0	262.4	231.1	297.0	1718.9	2614.1	2800.3
67.5°	246.0	245.0	258.3	231.4	221.6	183.2	216.5	1377.7	2192.3	2360.2
70°	223.3	230.8	234.8	205.6	179.8	143.8	160.7	963.5	1617.3	1763.4
72.5°	200.5	201.2	207.0	178.8	134.6	115.2	120.6	583.5	1098.7	1205.1
75°	177.4	170.9	176.4	145.5	100.3	94.5	93.1	360.6	758.9	842.8
77.5°	152.6	145.5	138.3	109.4	80.5	73.1	71.4	202.2	465.6	517.2
80°	124.0	114.5	103.3	80.2	58.8	52.3	52.0	98.6	232.1	258.6
82.5°	96.5	78.5	75.4	50.0	36.4	31.9	34.0	37.7	70.0	78.2
85°	67.6	57.1	40.1	20.1	16.3	13.3	12.9	11.2	18.7	20.7
87.5°	37.7	24.8	12.9	2.4	2.7	3.1	2.4	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)