

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: P629796

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
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-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

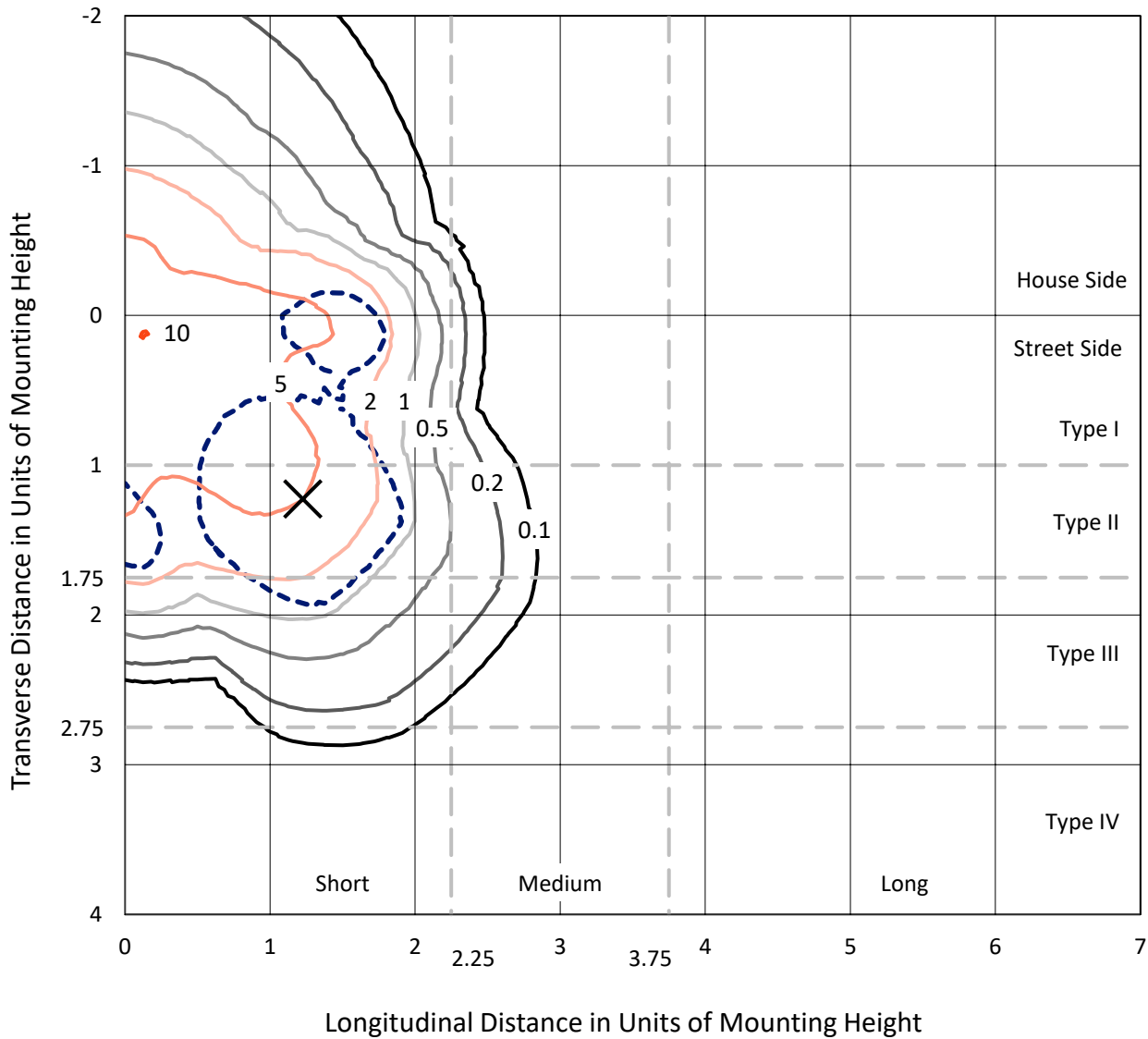
Lumens per Lamp: N/A  
Luminaire Lumens: 3709.1 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P629796  
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

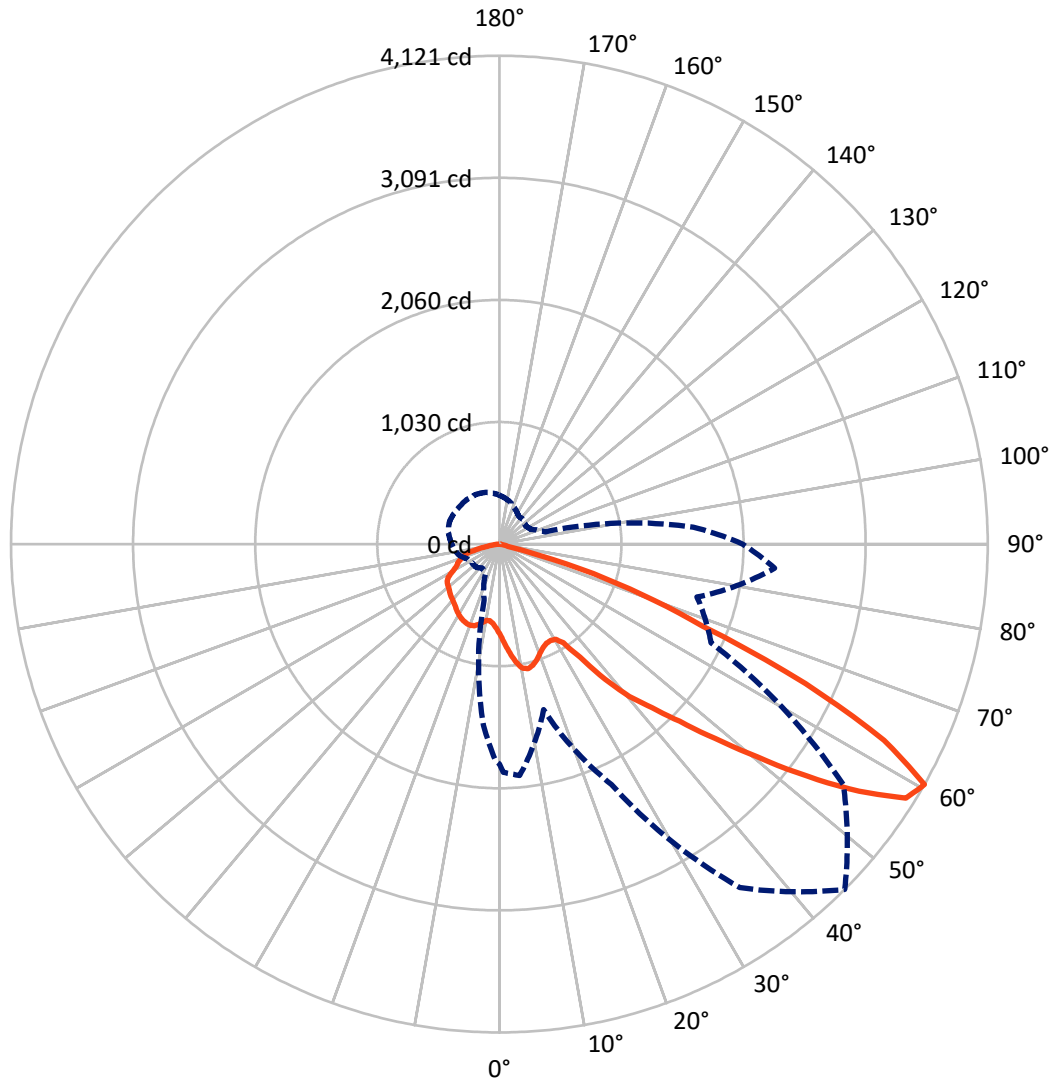
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P629796  
CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P629796

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

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1300.2	0.0	1300.2
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	2408.9	0.0	2408.9
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	3709.1	0.0	3709.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.3	2.0
10°-20°	234.9	6.3
20°-30°	381.6	10.3
30°-40°	538.2	14.5
40°-50°	743.7	20.1
50°-60°	957.4	25.8
60°-70°	606.6	16.4
70°-80°	155.7	4.2
80°-90°	16.6	0.4
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°	3709.1	100.0
0°-180°	3709.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629796

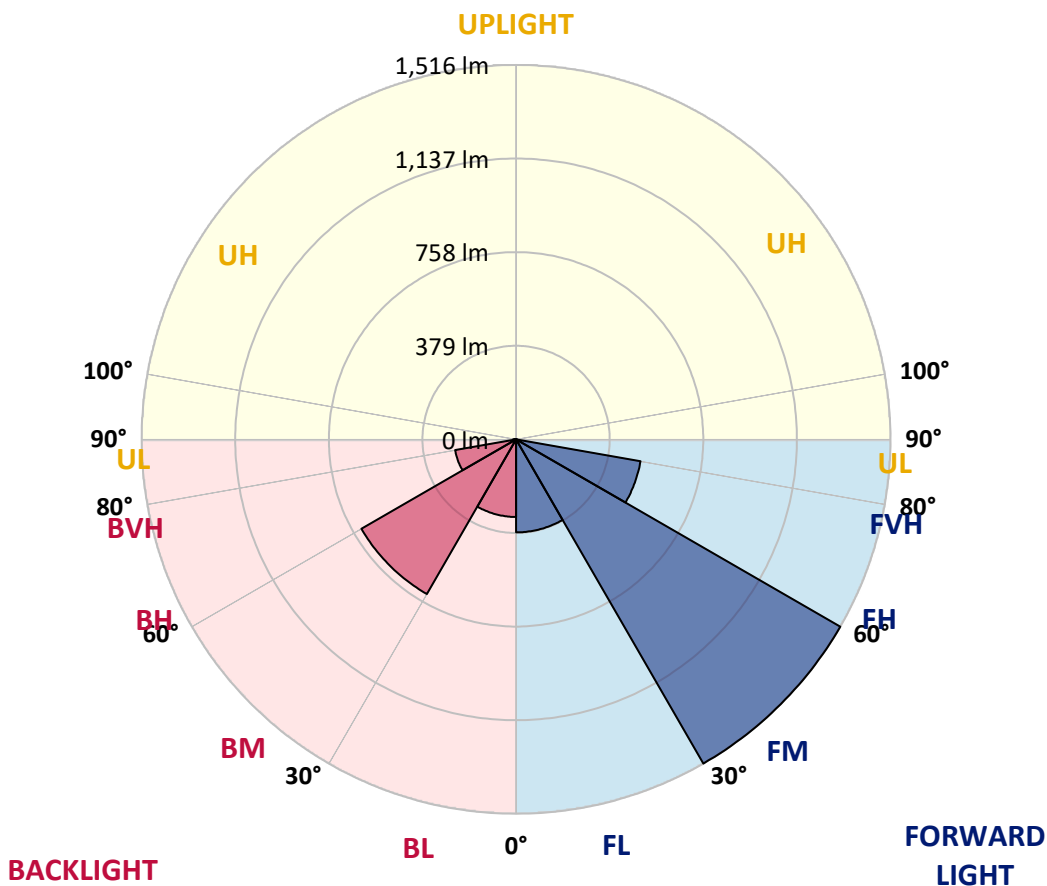
CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	376.6	10.2			
FM (30°-60°)	1516.1	40.9			
FH (60°-80°)	511.7	13.8			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	314.2	8.5	B1/500		
BM (30°-60°)	723.2	19.5	B1/1000		
BH (60°-80°)	250.6	6.8	B1/500		G1/500
BVH (80°-90°)	12.1	0.3			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: P629796

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

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	797.0	802.4	805.8	812.3	823.8	830.3	837.4	829.6	831.6	830.6	818.0
5°	844.2	850.7	859.5	878.5	899.9	911.8	923.0	921.4	910.8	893.1	880.6
7.5°	888.4	895.9	911.2	942.1	973.7	992.0	1005.6	996.8	988.0	960.1	928.5
10°	923.0	927.5	948.2	989.7	1026.4	1047.1	1063.8	1061.7	1049.5	1018.2	975.7
12.5°	955.7	958.7	981.2	1022.6	1055.6	1064.8	1078.4	1082.8	1078.7	1055.3	1013.5
15°	990.7	996.5	1017.2	1048.8	1063.8	1054.2	1059.0	1071.2	1082.8	1082.8	1044.4
17.5°	1023.3	1028.4	1049.5	1063.1	1048.8	1023.6	1025.0	1040.6	1068.2	1097.1	1072.6
20°	1052.2	1057.0	1077.7	1064.8	1019.6	982.9	981.8	1000.9	1045.4	1106.2	1102.8
22.5°	1083.8	1090.6	1107.9	1066.1	992.4	945.8	945.5	965.2	1025.3	1115.4	1137.5
25°	1128.7	1139.2	1148.0	1078.0	977.8	921.7	926.1	944.8	1018.9	1130.4	1188.8
27.5°	1195.3	1203.8	1203.1	1102.8	977.1	911.8	921.0	942.8	1030.4	1156.9	1242.9
30°	1267.3	1271.7	1264.6	1137.5	992.7	918.0	931.5	957.4	1059.7	1200.7	1322.4
32.5°	1347.2	1352.6	1339.0	1189.5	1029.1	963.2	993.1	1005.6	1100.8	1263.9	1406.7
35°	1439.0	1449.5	1421.3	1258.1	1136.1	1128.0	1171.5	1155.2	1188.1	1338.7	1496.7
37.5°	1535.5	1535.8	1495.4	1359.8	1346.2	1360.1	1447.1	1396.1	1373.4	1422.0	1588.5
40°	1617.4	1615.3	1553.1	1496.7	1529.0	1584.4	1689.4	1611.3	1551.4	1533.8	1664.6
42.5°	1699.3	1691.8	1628.9	1583.7	1655.1	1769.0	1887.6	1791.7	1665.6	1635.4	1739.7
45°	1804.0	1801.6	1725.8	1618.4	1769.0	1975.6	2132.9	1977.6	1733.3	1694.5	1864.8
47.5°	1972.9	1961.3	1820.3	1615.7	1875.7	2250.9	2449.7	2211.8	1780.5	1695.9	2066.7
50°	2138.0	2123.8	1933.1	1615.3	1985.8	2536.3	2823.5	2496.2	1828.8	1704.0	2271.9
52.5°	2304.9	2304.9	2118.3	1653.7	2101.3	2855.1	3255.5	2850.7	1911.0	1810.8	2524.5
55°	2404.1	2430.7	2326.7	1718.7	2236.6	3230.3	3682.7	3233.4	2038.1	2003.5	2757.6
57.5°	2278.1	2327.7	2312.7	1673.5	2316.5	3506.0	4045.0	3523.6	2101.0	2026.2	2722.6
60°	1856.3	1925.3	1959.6	1445.1	2237.6	3537.9	4120.8	3542.7	1971.2	1725.5	2332.1
62.5°	1234.0	1290.8	1343.1	1032.5	1937.2	3182.8	3644.6	3183.8	1646.3	1287.7	1615.7
65°	605.3	647.4	703.8	610.4	1513.4	2659.4	2841.5	2572.7	1190.9	720.8	824.2
67.5°	158.4	170.3	178.1	236.9	1084.1	1910.7	1853.2	1881.8	765.0	235.5	215.5
70°	82.2	82.9	82.6	97.9	732.7	1214.3	1277.2	1181.7	533.9	98.6	85.0
72.5°	58.8	59.1	58.1	65.9	353.8	695.7	720.8	713.0	279.7	58.5	58.1
75°	38.4	38.7	38.1	38.7	53.4	79.2	73.1	76.8	46.6	37.0	37.0
77.5°	22.8	23.1	22.8	23.5	22.8	22.8	21.1	21.1	20.1	20.1	20.4
80°	15.3	15.3	15.0	15.6	14.3	14.3	13.6	13.3	12.2	11.9	11.9
82.5°	9.2	9.5	9.2	9.2	8.5	8.5	7.8	7.5	6.5	6.5	6.1
85°	4.8	4.8	4.4	4.4	3.7	3.4	2.7	2.7	2.0	1.7	1.7
87.5°	0.7	0.7	0.3	0.3	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: P629796

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	814.6	807.8	797.6	787.8	778.6	769.1	758.2	747.0	737.5	727.6	722.5
5°	863.9	850.0	823.5	800.0	779.0	761.6	742.9	727.0	712.0	699.8	693.6
7.5°	908.4	886.7	846.6	809.5	781.0	757.2	731.4	707.6	687.5	672.6	666.8
10°	949.6	923.7	871.1	824.2	790.8	764.3	732.7	700.4	673.9	654.2	649.5
12.5°	982.9	953.3	890.4	836.0	796.6	768.1	740.2	712.3	686.2	660.7	656.6
15°	1012.4	977.4	905.0	843.5	794.6	758.2	734.8	731.4	731.4	702.5	694.3
17.5°	1037.9	999.5	916.9	846.9	781.7	729.0	714.7	744.3	777.6	756.9	738.5
20°	1067.1	1020.6	926.8	846.9	757.9	691.9	690.6	740.9	790.2	790.5	771.1
22.5°	1096.7	1045.1	938.3	843.9	725.3	649.1	674.3	727.3	771.1	789.8	776.6
25°	1144.6	1079.0	956.7	841.5	687.2	619.9	659.7	709.3	746.3	766.0	757.5
27.5°	1205.5	1123.9	984.6	845.2	649.5	602.6	644.0	685.8	719.5	736.8	730.7
30°	1273.4	1175.6	1014.5	851.7	622.3	593.7	625.3	659.0	688.9	706.2	703.5
32.5°	1360.1	1231.6	1040.3	842.8	607.0	589.3	605.6	629.8	658.6	669.5	671.9
35°	1463.8	1293.5	1060.0	808.2	593.0	584.6	584.2	599.2	619.6	636.9	638.6
37.5°	1559.3	1365.9	1081.8	748.7	567.9	572.7	559.1	567.9	588.0	605.3	612.1
40°	1653.7	1439.3	1112.0	672.9	534.9	546.1	530.2	536.3	552.3	575.0	585.9
42.5°	1745.5	1505.6	1144.0	595.4	502.0	509.1	497.2	503.3	520.0	548.5	560.8
45°	1845.4	1595.3	1168.8	522.4	473.4	470.4	460.8	469.7	494.8	526.1	540.7
47.5°	2034.4	1736.7	1185.1	473.8	458.1	436.0	425.2	444.2	472.7	504.3	522.0
50°	2265.1	1941.3	1180.3	442.8	444.9	400.7	397.0	422.1	452.7	485.7	505.0
52.5°	2448.0	2142.1	1126.3	413.3	419.0	378.3	367.4	404.1	433.3	467.0	487.0
55°	2587.7	2209.7	960.4	378.3	376.9	361.9	339.2	385.4	413.9	445.2	467.0
57.5°	2473.8	2059.2	712.0	330.0	321.8	329.7	307.6	353.8	390.2	421.1	440.5
60°	2053.1	1641.8	396.6	292.3	269.2	288.2	284.8	320.5	364.3	397.0	413.6
62.5°	1393.8	1093.3	235.2	231.1	218.2	245.4	263.4	286.8	330.0	356.5	372.1
65°	694.7	531.2	156.3	173.0	174.7	201.9	235.9	261.7	297.7	324.9	340.5
67.5°	201.5	165.2	118.9	132.2	150.6	172.3	199.5	230.1	265.1	297.4	315.7
70°	87.0	88.0	94.5	110.1	128.1	150.6	177.7	207.7	237.2	262.0	276.0
72.5°	61.5	63.9	71.0	87.0	104.0	125.4	152.6	181.5	202.9	228.0	242.7
75°	39.4	41.1	46.9	59.1	71.7	92.4	118.3	144.8	166.9	184.9	198.8
77.5°	21.8	22.1	26.8	34.0	42.5	55.7	74.8	95.5	111.8	122.0	134.6
80°	12.6	12.6	15.0	19.4	24.5	32.6	43.2	53.4	63.2	69.7	75.8
82.5°	6.8	6.8	7.8	10.5	13.3	18.0	24.1	29.2	35.3	38.7	42.8
85°	2.0	2.0	2.7	3.7	4.8	6.8	9.5	12.2	15.0	17.3	19.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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: P629796

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

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	721.5	716.8	714.0	710.6	711.7	708.6	706.9	707.9	701.8	707.9	714.0
5°	691.3	684.5	679.0	674.6	672.6	668.5	666.1	666.1	662.4	668.5	676.0
7.5°	664.8	659.3	656.6	653.9	650.8	647.1	643.0	641.6	639.3	645.7	652.2
10°	647.1	647.8	649.5	653.2	652.5	650.1	644.0	640.6	640.6	648.1	658.0
12.5°	655.2	662.4	666.5	673.3	674.6	672.6	666.5	663.7	670.5	681.8	698.1
15°	686.8	691.6	695.0	700.4	700.1	698.4	693.6	695.7	718.1	739.9	754.5
17.5°	721.2	715.7	715.1	718.5	719.5	717.4	714.7	723.9	760.9	781.3	788.8
20°	746.0	727.3	723.2	724.6	727.3	726.3	726.3	741.2	779.6	789.1	779.6
22.5°	753.5	727.0	720.8	721.2	724.9	725.3	727.0	742.6	765.0	765.4	750.7
25°	741.6	716.1	711.7	712.3	716.8	716.4	717.1	725.9	735.8	731.7	720.8
27.5°	719.1	697.0	695.7	699.4	705.2	702.1	700.1	702.5	707.2	702.1	692.6
30°	693.6	675.0	675.6	682.8	688.9	683.8	678.7	680.1	680.4	675.0	664.1
32.5°	666.8	652.9	655.2	662.7	669.9	664.4	659.0	658.3	651.8	645.4	634.9
35°	639.9	634.5	637.6	643.7	649.8	645.4	642.0	639.9	626.0	616.5	607.7
37.5°	615.5	619.6	625.0	628.7	630.8	630.4	628.4	623.6	605.3	594.1	582.5
40°	593.7	606.3	612.1	613.8	616.8	616.2	615.8	609.0	584.9	573.0	559.7
42.5°	574.0	591.7	601.5	603.2	604.9	605.3	604.3	594.4	566.9	552.9	540.4
45°	555.0	578.1	590.7	589.0	591.3	591.3	592.4	579.5	549.2	534.9	521.7
47.5°	538.3	565.5	577.1	575.0	576.4	577.4	578.4	563.5	529.8	516.2	502.6
50°	523.0	551.9	561.8	562.5	562.5	564.8	564.5	549.9	513.5	498.9	485.3
52.5°	506.7	538.0	548.5	552.9	554.3	555.3	550.6	533.6	496.9	479.2	466.6
55°	487.7	523.7	533.2	539.0	541.7	541.1	534.6	517.3	479.9	462.2	447.9
57.5°	458.8	493.1	506.7	509.4	513.9	511.1	503.7	489.1	452.7	435.0	420.4
60°	427.2	452.0	462.9	465.3	461.9	462.9	461.9	447.9	416.3	402.4	387.4
62.5°	385.7	407.8	419.4	422.4	416.7	420.4	419.0	401.7	370.1	355.5	342.2
65°	354.5	378.6	392.2	393.9	392.2	393.9	389.1	368.1	338.2	323.2	309.6
67.5°	330.0	354.8	369.1	373.8	372.1	371.8	364.3	339.9	308.9	292.6	275.3
70°	287.9	309.6	328.0	339.5	339.5	333.1	318.8	296.0	271.2	257.3	243.7
72.5°	254.9	282.4	300.4	312.3	314.7	311.0	290.9	266.8	238.2	224.3	210.0
75°	210.0	236.9	256.3	271.9	274.9	270.9	247.8	224.0	197.5	183.9	169.6
77.5°	140.4	156.3	172.0	186.2	183.2	185.9	170.3	152.3	135.9	125.7	119.3
80°	79.2	89.7	94.5	102.3	102.3	102.3	92.1	83.6	74.4	68.7	62.2
82.5°	44.9	51.7	53.7	60.2	61.9	62.2	55.4	50.0	44.2	41.1	36.7
85°	20.7	24.5	24.8	28.5	29.9	32.6	29.6	25.8	22.4	21.1	18.4
87.5°	0.7	2.0	2.7	5.1	6.8	7.8	8.5	8.5	7.1	6.5	5.4
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: P629796  
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	721.5	729.7	739.2	746.0	758.2	768.4	779.0	790.5	799.0	797.0
5°	685.2	698.7	716.1	732.1	754.8	777.9	803.4	829.6	844.9	844.2
7.5°	664.8	684.1	705.2	726.6	753.5	786.8	825.9	866.6	887.4	888.4
10°	675.6	696.4	710.6	728.7	756.9	798.7	845.6	894.5	918.3	923.0
12.5°	710.0	708.3	707.2	720.2	754.1	807.2	864.6	923.0	949.9	955.7
15°	742.6	707.6	686.5	695.3	741.9	812.6	883.3	954.3	984.6	990.7
17.5°	748.7	695.7	656.6	662.7	722.5	814.3	901.3	984.9	1017.5	1023.3
20°	731.7	680.4	634.9	626.4	698.1	809.9	912.5	1010.4	1046.1	1052.2
22.5°	710.3	666.8	618.5	596.4	668.2	805.5	925.1	1037.2	1078.4	1083.8
25°	687.9	649.5	603.2	569.6	634.2	802.7	946.2	1072.6	1122.2	1128.7
27.5°	664.1	628.4	590.0	556.7	602.9	806.1	976.1	1129.7	1186.1	1195.3
30°	638.6	607.3	581.5	552.3	581.5	809.2	1009.0	1188.1	1254.4	1267.3
32.5°	612.1	588.0	572.7	554.3	568.2	802.1	1037.9	1253.7	1336.0	1347.2
35°	585.6	568.2	561.4	558.0	550.6	775.9	1061.4	1320.0	1429.1	1439.0
37.5°	560.8	547.8	545.8	549.5	523.4	733.1	1088.6	1404.3	1520.5	1535.5
40°	537.7	525.8	525.4	524.7	493.5	674.6	1125.3	1489.9	1610.6	1617.4
42.5°	516.2	501.3	504.0	495.9	469.0	611.4	1159.9	1563.0	1694.5	1699.3
45°	497.2	477.5	480.6	470.4	457.4	545.1	1190.5	1649.3	1800.9	1804.0
47.5°	478.9	457.8	449.3	448.6	455.4	484.0	1220.4	1815.5	1967.4	1972.9
50°	461.9	439.1	415.0	429.9	442.8	438.1	1257.8	1993.6	2139.4	2138.0
52.5°	445.6	415.6	381.3	410.2	410.2	404.1	1247.3	2101.7	2281.5	2304.9
55°	426.9	377.9	346.3	377.2	362.3	373.5	1060.7	2137.0	2370.8	2404.1
57.5°	389.8	331.4	303.8	320.5	298.1	346.3	762.0	1961.7	2218.9	2278.1
60°	354.1	297.0	279.0	276.0	246.7	282.4	493.8	1535.8	1826.4	1856.3
62.5°	312.3	267.5	252.2	228.7	198.5	205.6	299.1	1010.7	1227.2	1234.0
65°	280.7	242.3	213.1	185.2	162.5	149.2	176.7	487.4	613.4	605.3
67.5°	241.0	207.7	179.8	159.7	141.0	124.4	117.6	144.8	163.8	158.4
70°	214.4	182.5	155.7	136.6	119.3	102.6	90.7	85.3	83.6	82.2
72.5°	184.9	157.0	129.1	110.8	94.5	79.2	68.3	61.9	60.2	58.8
75°	147.5	121.3	95.8	78.5	64.2	53.4	46.2	40.8	39.8	38.4
77.5°	97.5	77.8	57.1	46.6	38.1	32.3	27.5	24.1	23.5	22.8
80°	53.7	44.9	35.0	28.2	22.8	19.7	18.0	16.0	15.6	15.3
82.5°	31.9	26.8	20.1	16.0	13.3	11.9	10.9	9.9	9.5	9.2
85°	16.0	12.6	8.8	7.5	6.8	6.1	6.1	5.1	4.8	4.8
87.5°	4.1	3.4	2.0	1.7	1.7	1.7	1.4	1.0	1.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)