

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: P629959

Luminaire Tested: GWS-SA1C-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629959
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3794.1 lumens
Efficiency: N/A
Efficacy: 111.3 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

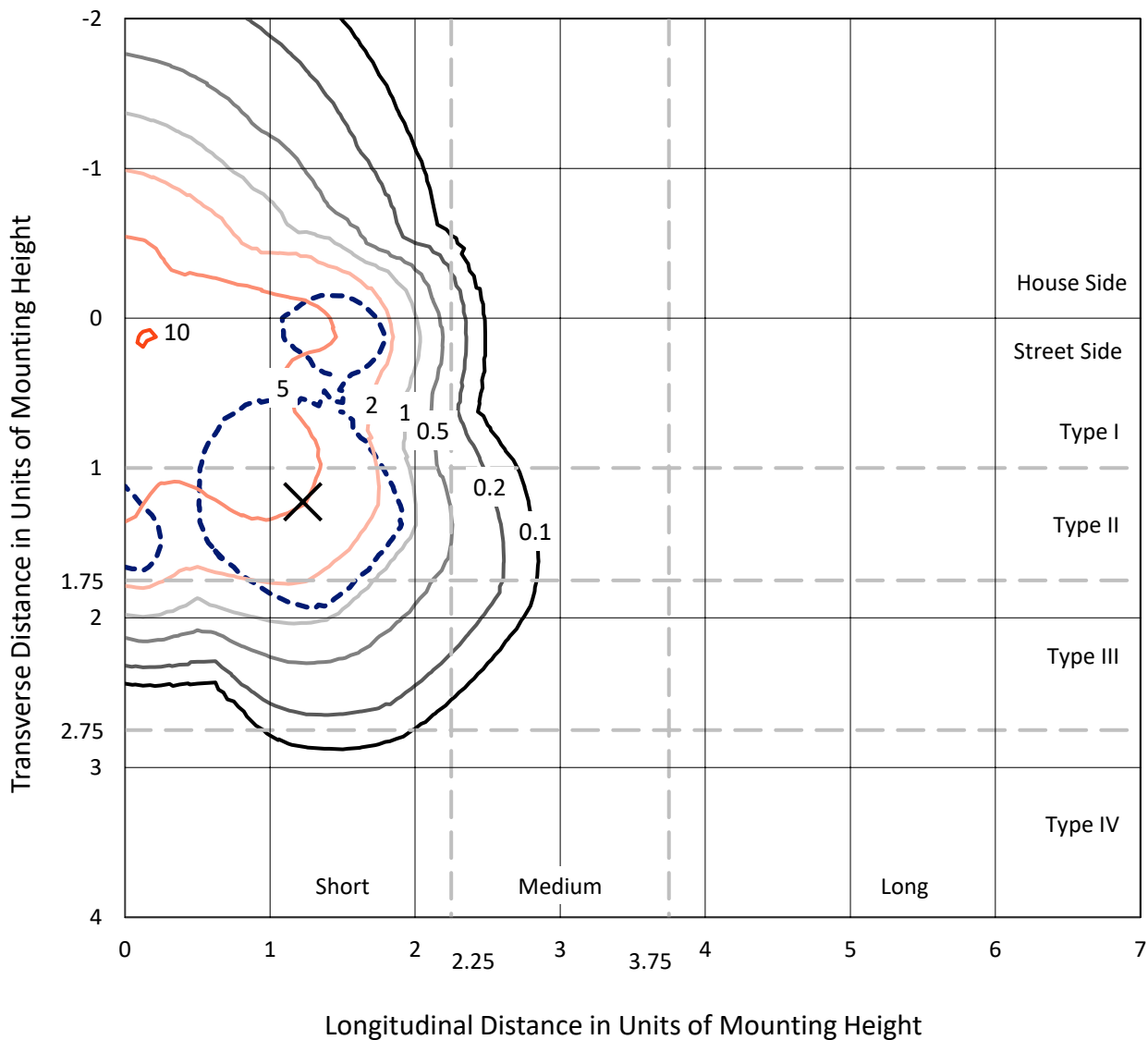
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629959
 CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

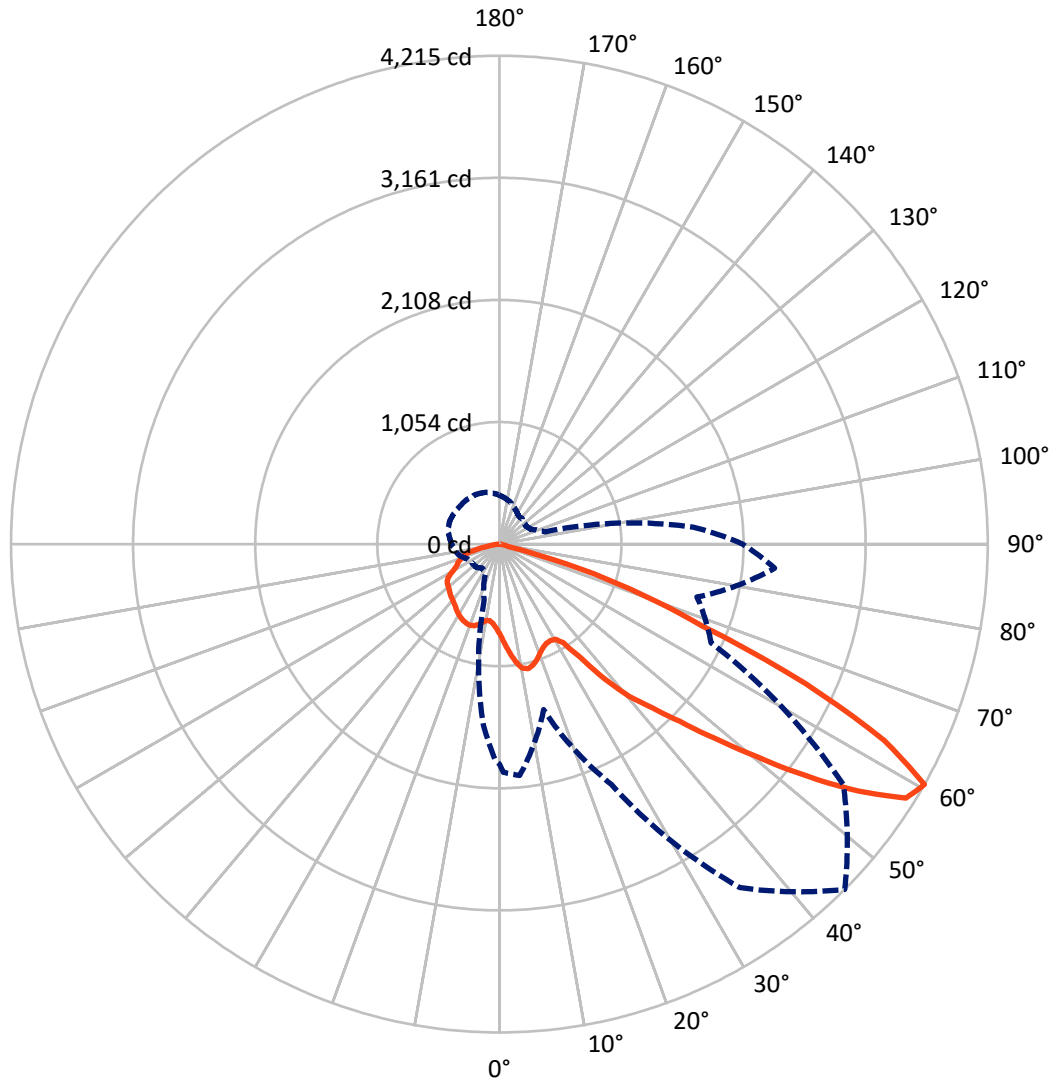
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - N/A

REPORT NUMBER: P629959
CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629959

CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1330.0	0.0	1330.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	2464.1	0.0	2464.1
	% Fixture	64.9	0.0	64.9
Total	Lumens	3794.1	0.0	3794.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	2.0
10°-20°	240.3	6.3
20°-30°	390.3	10.3
30°-40°	550.5	14.5
40°-50°	760.8	20.1
50°-60°	979.3	25.8
60°-70°	620.5	16.4
70°-80°	159.2	4.2
80°-90°	17.0	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°	3794.1	100.0
0°-180°	3794.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629959

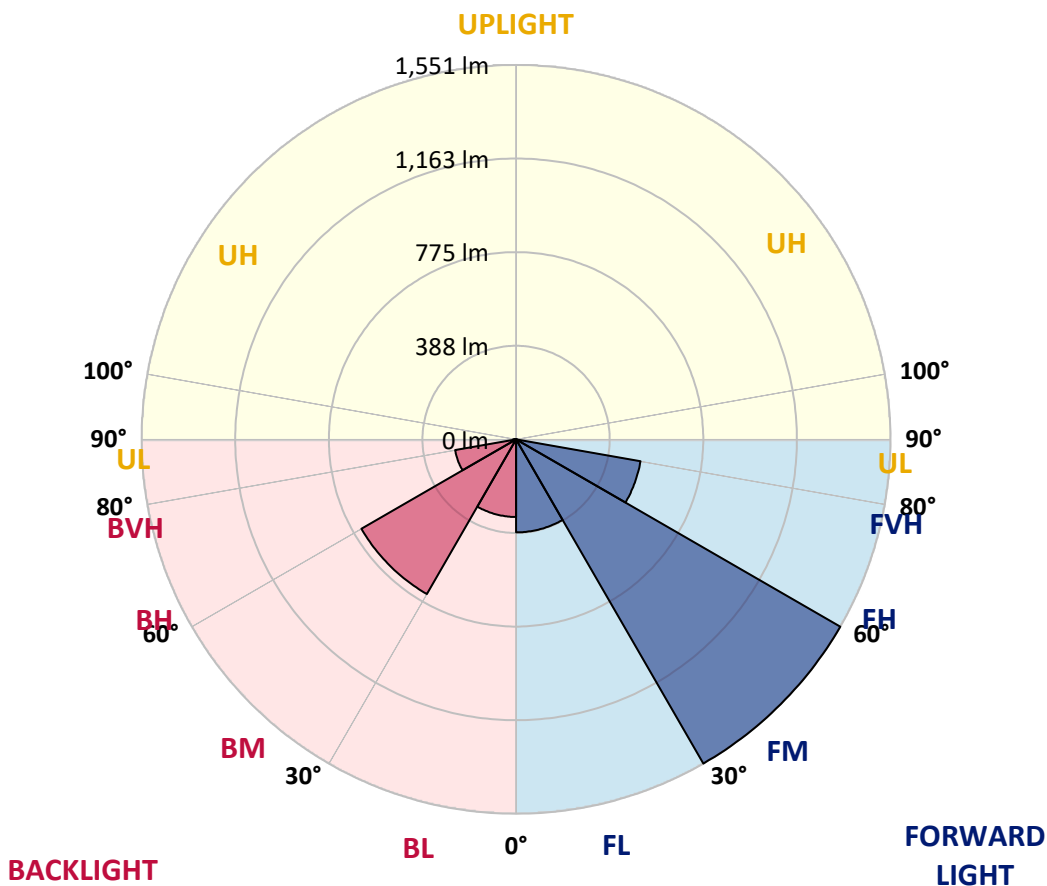
CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.2	10.2			
FM (30°-60°)	1550.8	40.9			
FH (60°-80°)	523.5	13.8			G0/660
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	321.4	8.5	B1/500		
BM (30°-60°)	739.8	19.5	B1/1000		
BH (60°-80°)	256.3	6.8	B1/500		G1/500
BVH (80°-90°)	12.4	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: P629959

CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4
2.5°	815.2	820.8	824.3	830.9	842.7	849.3	856.6	848.6	850.7	849.6	836.8
5°	863.5	870.2	879.2	898.7	920.6	932.7	944.2	942.5	931.7	913.6	900.7
7.5°	908.7	916.4	932.0	963.7	996.0	1014.8	1028.7	1019.6	1010.6	982.1	949.8
10°	944.2	948.7	969.9	1012.3	1049.9	1071.1	1088.1	1086.0	1073.5	1041.5	998.1
12.5°	977.6	980.7	1003.7	1046.1	1079.8	1089.2	1103.1	1107.6	1103.4	1079.4	1036.7
15°	1013.4	1019.3	1040.5	1072.8	1088.1	1078.4	1083.3	1095.8	1107.6	1107.6	1068.3
17.5°	1046.8	1052.0	1073.5	1087.4	1072.8	1047.1	1048.5	1064.5	1092.6	1122.2	1097.2
20°	1076.3	1081.2	1102.4	1089.2	1042.9	1005.4	1004.3	1023.8	1069.4	1131.6	1128.1
22.5°	1108.6	1115.6	1133.3	1090.6	1015.1	967.5	967.1	987.3	1048.8	1141.0	1163.6
25°	1154.5	1165.3	1174.3	1102.7	1000.2	942.8	947.3	966.5	1042.2	1156.3	1216.1
27.5°	1222.7	1231.4	1230.7	1128.1	999.5	932.7	942.1	964.4	1054.1	1183.4	1271.3
30°	1296.4	1300.9	1293.6	1163.6	1015.5	939.0	952.9	979.3	1084.0	1228.2	1352.7
32.5°	1378.1	1383.6	1369.7	1216.8	1052.7	985.2	1015.8	1028.7	1126.0	1292.9	1438.9
35°	1471.9	1482.7	1453.9	1287.0	1162.2	1153.8	1198.3	1181.6	1215.4	1369.4	1531.0
37.5°	1570.7	1571.0	1529.6	1390.9	1377.0	1391.3	1480.3	1428.1	1404.8	1454.5	1624.9
40°	1654.4	1652.4	1588.7	1531.0	1564.1	1620.7	1728.1	1648.2	1587.0	1568.9	1702.8
42.5°	1738.2	1730.6	1666.3	1620.0	1693.0	1809.5	1930.8	1832.8	1703.8	1672.9	1779.6
45°	1845.3	1842.9	1765.3	1655.5	1809.5	2020.9	2181.8	2022.9	1773.0	1733.4	1907.5
47.5°	2018.1	2006.3	1862.0	1652.7	1918.7	2302.5	2505.8	2262.5	1821.3	1734.7	2114.0
50°	2187.0	2172.4	1977.4	1652.4	2031.3	2594.5	2888.2	2553.5	1870.7	1743.1	2324.0
52.5°	2357.7	2357.7	2166.9	1691.6	2149.5	2920.6	3330.1	2916.0	1954.8	1852.3	2582.3
55°	2459.2	2486.4	2380.0	1758.0	2287.8	3304.4	3767.1	3307.5	2084.8	2049.4	2820.8
57.5°	2330.3	2381.0	2365.7	1711.8	2369.5	3586.3	4137.7	3604.4	2149.1	2072.7	2785.0
60°	1898.8	1969.4	2004.5	1478.2	2288.9	3619.0	4215.2	3623.8	2016.3	1765.0	2385.5
62.5°	1262.3	1320.4	1373.9	1056.1	1981.6	3255.7	3728.1	3256.7	1684.0	1317.2	1652.7
65°	619.2	662.3	720.0	624.4	1548.1	2720.3	2906.7	2631.7	1218.1	737.4	843.0
67.5°	162.0	174.2	182.2	242.3	1109.0	1954.5	1895.7	1924.9	782.5	240.9	220.4
70°	84.1	84.8	84.5	100.1	749.5	1242.1	1306.4	1208.8	546.1	100.8	86.9
72.5°	60.1	60.5	59.4	67.4	361.9	711.6	737.4	729.4	286.1	59.8	59.4
75°	39.3	39.6	38.9	39.6	54.6	81.0	74.7	78.6	47.6	37.9	37.9
77.5°	23.3	23.6	23.3	24.0	23.3	23.3	21.6	21.6	20.5	20.5	20.9
80°	15.6	15.6	15.3	16.0	14.6	14.6	13.9	13.6	12.5	12.2	12.2
82.5°	9.4	9.7	9.4	9.4	8.7	8.7	8.0	7.6	6.6	6.6	6.3
85°	4.9	4.9	4.5	4.5	3.8	3.5	2.8	2.8	2.1	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: P629959

CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4
2.5°	833.3	826.4	815.9	805.8	796.5	786.7	775.6	764.1	754.4	744.3	739.1
5°	883.7	869.5	842.3	818.4	796.8	779.1	760.0	743.6	728.3	715.8	709.5
7.5°	929.3	907.0	866.0	828.1	798.9	774.6	748.1	723.8	703.3	688.0	682.1
10°	971.3	944.9	891.0	843.0	809.0	781.9	749.5	716.5	689.4	669.2	664.3
12.5°	1005.4	975.1	910.8	855.2	814.9	785.7	757.2	728.7	701.9	675.8	671.6
15°	1035.6	999.8	925.8	862.9	812.8	775.6	751.6	748.1	748.1	718.6	710.2
17.5°	1061.7	1022.4	937.9	866.3	799.6	745.7	731.1	761.3	795.4	774.2	755.4
20°	1091.6	1044.0	948.0	866.3	775.2	707.8	706.4	757.9	808.3	808.6	788.8
22.5°	1121.8	1069.0	959.8	863.2	741.9	664.0	689.7	744.0	788.8	807.9	794.4
25°	1170.9	1103.8	978.6	860.8	702.9	634.1	674.8	725.5	763.4	783.6	774.9
27.5°	1233.1	1149.7	1007.1	864.6	664.3	616.4	658.8	701.5	736.0	753.7	747.4
30°	1302.6	1202.5	1037.7	871.2	636.5	607.3	639.7	674.1	704.7	722.4	719.6
32.5°	1391.3	1259.9	1064.1	862.2	620.9	602.8	619.5	644.2	673.7	684.9	687.3
35°	1497.3	1323.1	1084.3	826.7	606.6	597.9	597.6	612.9	633.8	651.5	653.2
37.5°	1595.0	1397.2	1106.6	765.9	580.9	585.8	571.9	580.9	601.4	619.2	626.1
40°	1691.6	1472.3	1137.5	688.3	547.2	558.7	542.3	548.6	564.9	588.2	599.3
42.5°	1785.5	1540.1	1170.2	609.1	513.5	520.8	508.6	514.9	531.9	561.1	573.6
45°	1887.7	1631.8	1195.6	534.3	484.3	481.1	471.4	480.4	506.2	538.2	553.1
47.5°	2081.0	1776.5	1212.2	484.6	468.6	446.0	434.9	454.4	483.6	515.9	534.0
50°	2317.1	1985.7	1207.4	453.0	455.1	409.9	406.0	431.8	463.1	496.8	516.6
52.5°	2504.1	2191.2	1152.1	422.7	428.6	386.9	375.8	413.3	443.2	477.7	498.2
55°	2647.0	2260.4	982.4	386.9	385.5	370.2	346.9	394.2	423.4	455.4	477.7
57.5°	2530.5	2106.4	728.3	337.6	329.2	337.2	314.6	361.9	399.1	430.7	450.5
60°	2100.1	1679.5	405.7	299.0	275.3	294.8	291.3	327.8	372.7	406.0	423.1
62.5°	1425.7	1118.4	240.6	236.4	223.2	251.0	269.4	293.4	337.6	364.7	380.7
65°	710.6	543.4	159.9	177.0	178.7	206.5	241.3	267.7	304.5	332.3	348.3
67.5°	206.2	169.0	121.7	135.2	154.0	176.3	204.1	235.4	271.2	304.2	323.0
70°	89.0	90.0	96.6	112.6	131.1	154.0	181.8	212.4	242.7	268.0	282.3
72.5°	62.9	65.4	72.7	89.0	106.4	128.3	156.1	185.6	207.5	233.3	248.2
75°	40.3	42.1	48.0	60.5	73.4	94.6	121.0	148.1	170.7	189.1	203.4
77.5°	22.2	22.6	27.5	34.8	43.5	57.0	76.5	97.7	114.4	124.8	137.7
80°	12.9	12.9	15.3	19.8	25.0	33.4	44.2	54.6	64.7	71.3	77.5
82.5°	7.0	7.0	8.0	10.8	13.6	18.4	24.7	29.9	36.2	39.6	43.8
85°	2.1	2.1	2.8	3.8	4.9	7.0	9.7	12.5	15.3	17.7	20.2
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: P629959

CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4
2.5°	738.0	733.2	730.4	726.9	728.0	724.8	723.1	724.1	717.9	724.1	730.4
5°	707.1	700.2	694.6	690.1	688.0	683.8	681.4	681.4	677.6	683.8	691.5
7.5°	680.0	674.4	671.6	668.9	665.7	661.9	657.7	656.4	653.9	660.5	667.1
10°	661.9	662.6	664.3	668.2	667.5	665.0	658.8	655.3	655.3	663.0	673.0
12.5°	670.3	677.6	681.7	688.7	690.1	688.0	681.7	679.0	685.9	697.4	714.1
15°	702.6	707.5	710.9	716.5	716.1	714.4	709.5	711.6	734.6	756.8	771.8
17.5°	737.7	732.1	731.4	734.9	736.0	733.9	731.1	740.5	778.4	799.2	806.9
20°	763.1	744.0	739.8	741.2	744.0	742.9	742.9	758.2	797.5	807.2	797.5
22.5°	770.7	743.6	737.4	737.7	741.5	741.9	743.6	759.6	782.5	782.9	767.9
25°	758.6	732.5	728.0	728.7	733.2	732.8	733.5	742.6	752.7	748.5	737.4
27.5°	735.6	713.0	711.6	715.5	721.4	718.2	716.1	718.6	723.4	718.2	708.5
30°	709.5	690.4	691.1	698.4	704.7	699.5	694.2	695.6	696.0	690.4	679.3
32.5°	682.1	667.8	670.3	677.9	685.2	679.6	674.1	673.4	666.8	660.2	649.4
35°	654.6	649.1	652.2	658.4	664.7	660.2	656.7	654.6	640.4	630.6	621.6
37.5°	629.6	633.8	639.3	643.1	645.2	644.9	642.8	637.9	619.2	607.7	595.9
40°	607.3	620.2	626.1	627.8	631.0	630.3	629.9	623.0	598.3	586.1	572.6
42.5°	587.2	605.2	615.3	617.1	618.8	619.2	618.1	608.0	579.9	565.6	552.8
45°	567.7	591.3	604.2	602.5	604.9	604.9	605.9	592.7	561.8	547.2	533.6
47.5°	550.7	578.5	590.3	588.2	589.6	590.6	591.7	576.4	542.0	528.1	514.2
50°	535.0	564.6	574.7	575.4	575.4	577.8	577.4	562.5	525.3	510.3	496.4
52.5°	518.3	550.3	561.1	565.6	567.0	568.1	563.2	545.8	508.3	490.2	477.3
55°	498.9	535.7	545.5	551.4	554.1	553.5	546.8	529.1	490.9	472.8	458.2
57.5°	469.3	504.4	518.3	521.1	525.6	522.9	515.2	500.3	463.1	445.0	430.0
60°	437.0	462.4	473.5	475.9	472.4	473.5	472.4	458.2	425.9	411.6	396.3
62.5°	394.6	417.2	429.0	432.1	426.2	430.0	428.6	410.9	378.6	363.6	350.1
65°	362.6	387.3	401.2	402.9	401.2	402.9	398.1	376.5	345.9	330.6	316.7
67.5°	337.6	362.9	377.5	382.4	380.7	380.3	372.7	347.6	316.0	299.3	281.6
70°	294.5	316.7	335.5	347.3	347.3	340.7	326.1	302.8	277.4	263.2	249.3
72.5°	260.7	288.9	307.3	319.5	321.9	318.1	297.6	272.9	243.7	229.4	214.8
75°	214.8	242.3	262.1	278.1	281.2	277.1	253.4	229.1	202.0	188.1	173.5
77.5°	143.6	159.9	175.9	190.5	187.4	190.2	174.2	155.7	139.1	128.6	122.0
80°	81.0	91.8	96.6	104.6	104.6	104.6	94.2	85.5	76.1	70.2	63.6
82.5°	45.9	52.8	54.9	61.5	63.3	63.6	56.7	51.1	45.2	42.1	37.5
85°	21.2	25.0	25.4	29.2	30.6	33.4	30.2	26.4	22.9	21.6	18.8
87.5°	0.7	2.1	2.8	5.2	7.0	8.0	8.7	8.7	7.3	6.6	5.6
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: P629959

CATALOG NUMBER: GWS-SA1C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4
2.5°	738.0	746.4	756.1	763.1	775.6	786.0	796.8	808.6	817.3	815.2
5°	700.9	714.8	732.5	748.8	772.1	795.8	821.8	848.6	864.2	863.5
7.5°	680.0	699.8	721.4	743.3	770.7	804.8	844.8	886.5	907.7	908.7
10°	691.1	712.3	726.9	745.4	774.2	817.0	864.9	915.0	939.3	944.2
12.5°	726.2	724.5	723.4	736.7	771.4	825.7	884.4	944.2	971.7	977.6
15°	759.6	723.8	702.2	711.3	758.9	831.2	903.5	976.2	1007.1	1013.4
17.5°	765.9	711.6	671.6	677.9	739.1	833.0	922.0	1007.5	1040.8	1046.8
20°	748.5	696.0	649.4	640.7	714.1	828.4	933.4	1033.5	1070.1	1076.3
22.5°	726.6	682.1	632.7	610.1	683.5	823.9	946.3	1061.0	1103.1	1108.6
25°	703.6	664.3	617.1	582.7	648.7	821.1	967.8	1097.2	1147.9	1154.5
27.5°	679.3	642.8	603.5	569.4	616.7	824.6	998.4	1155.6	1213.3	1222.7
30°	653.2	621.2	594.8	564.9	594.8	827.7	1032.2	1215.4	1283.2	1296.4
32.5°	626.1	601.4	585.8	567.0	581.3	820.4	1061.7	1282.5	1366.6	1378.1
35°	599.0	581.3	574.3	570.8	563.2	793.7	1085.7	1350.3	1461.8	1471.9
37.5°	573.6	560.4	558.3	562.1	535.4	749.9	1113.5	1436.5	1555.4	1570.7
40°	550.0	537.8	537.5	536.8	504.8	690.1	1151.1	1524.1	1647.5	1654.4
42.5°	528.1	512.8	515.6	507.2	479.7	625.4	1186.5	1598.8	1733.4	1738.2
45°	508.6	488.4	491.6	481.1	467.9	557.6	1217.8	1687.1	1842.2	1845.3
47.5°	489.8	468.3	459.6	458.9	465.8	495.0	1248.4	1857.1	2012.5	2018.1
50°	472.4	449.2	424.5	439.8	453.0	448.1	1286.6	2039.3	2188.4	2187.0
52.5°	455.8	425.2	390.1	419.6	419.6	413.3	1275.9	2149.8	2333.7	2357.7
55°	436.6	386.6	354.2	385.9	370.6	382.1	1085.0	2186.0	2425.2	2459.2
57.5°	398.7	339.0	310.8	327.8	304.9	354.2	779.4	2006.6	2269.8	2330.3
60°	362.2	303.8	285.4	282.3	252.4	288.9	505.1	1571.0	1868.2	1898.8
62.5°	319.5	273.6	258.0	234.0	203.0	210.3	305.9	1033.9	1255.3	1262.3
65°	287.2	247.9	218.0	189.5	166.2	152.6	180.8	498.5	627.5	619.2
67.5°	246.5	212.4	183.9	163.4	144.3	127.2	120.3	148.1	167.6	162.0
70°	219.4	186.7	159.2	139.8	122.0	105.0	92.8	87.3	85.5	84.1
72.5°	189.1	160.6	132.1	113.3	96.6	81.0	69.9	63.3	61.5	60.1
75°	150.9	124.1	98.0	80.3	65.7	54.6	47.3	41.7	40.7	39.3
77.5°	99.8	79.6	58.4	47.6	38.9	33.0	28.2	24.7	24.0	23.3
80°	54.9	45.9	35.8	28.9	23.3	20.2	18.4	16.3	16.0	15.6
82.5°	32.7	27.5	20.5	16.3	13.6	12.2	11.1	10.1	9.7	9.4
85°	16.3	12.9	9.0	7.6	7.0	6.3	6.3	5.2	4.9	4.9
87.5°	4.2	3.5	2.1	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)