

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: P630839

Luminaire Tested: GWS-SA1E-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630839  
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-SA1E-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

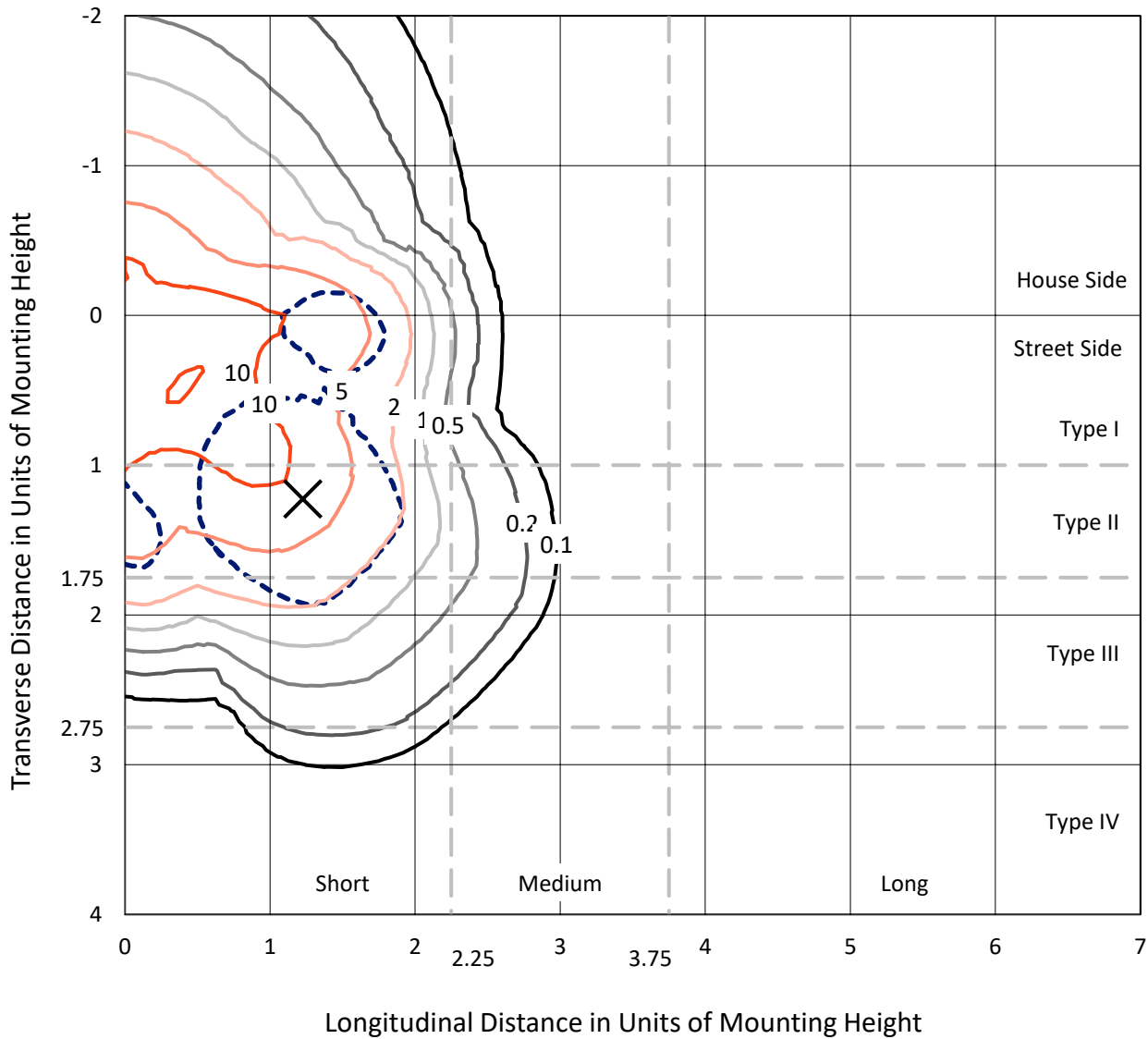
Lumens per Lamp: N/A  
Luminaire Lumens: 5928.7 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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: P630839  
 CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

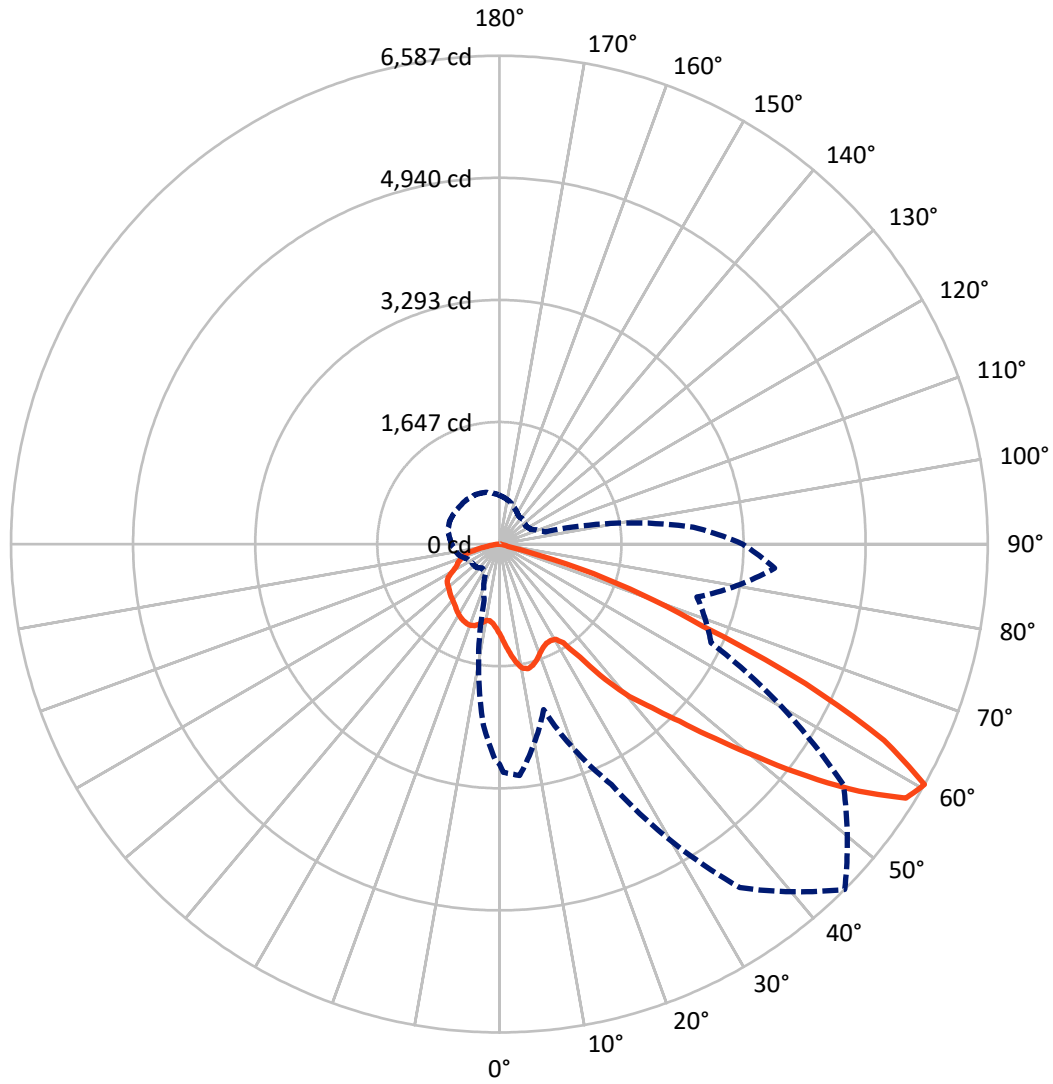
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P630839  
CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630839

CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2078.2	0.0	2078.2
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	3850.5	0.0	3850.5
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	5928.7	0.0	5928.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.8	2.0
10°-20°	375.5	6.3
20°-30°	610.0	10.3
30°-40°	860.2	14.5
40°-50°	1188.8	20.1
50°-60°	1530.3	25.8
60°-70°	969.6	16.4
70°-80°	248.8	4.2
80°-90°	26.6	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°	5928.7	100.0
0°-180°	5928.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630839

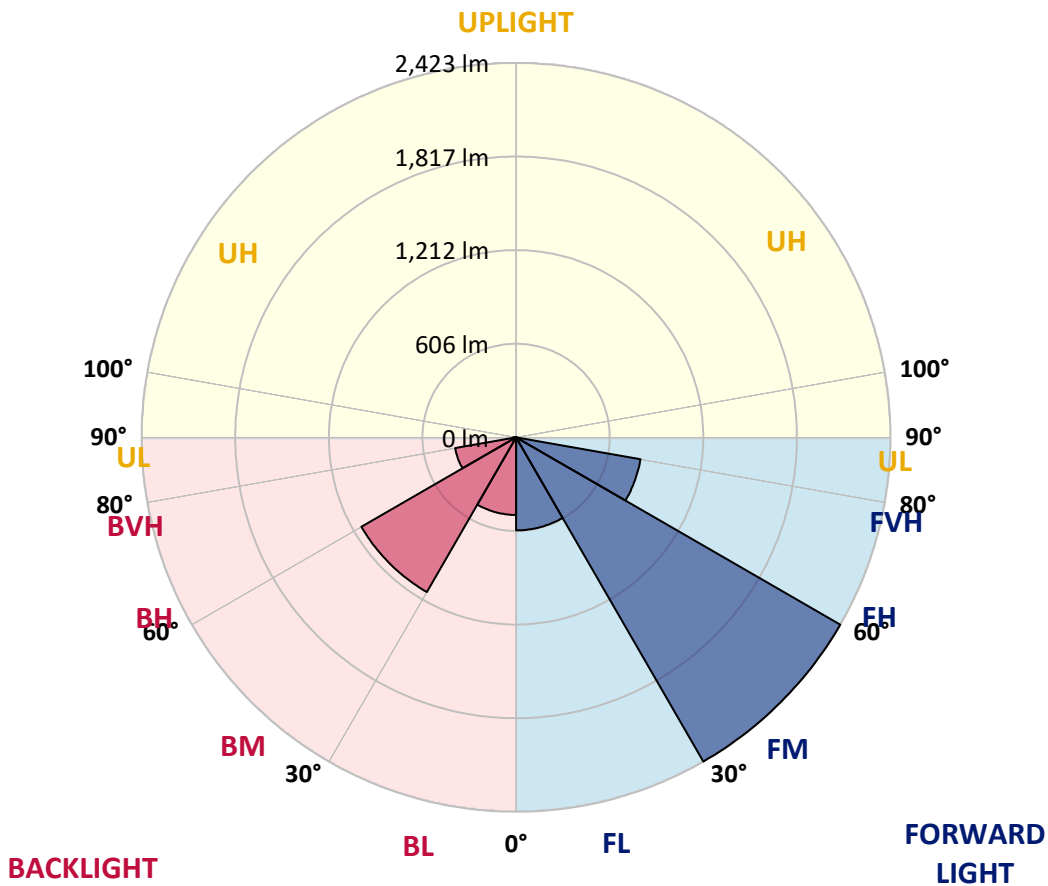
CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.0	10.2			
FM (30°-60°)	2423.3	40.9			
FH (60°-80°)	818.0	13.8			G1/1800
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	502.3	8.5	B2/1000		
BM (30°-60°)	1156.0	19.5	B2/2500		
BH (60°-80°)	400.5	6.8	B1/500		G1/500
BVH (80°-90°)	19.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type III Short





REPORT NUMBER: P630839

CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9
2.5°	1273.9	1282.6	1288.0	1298.3	1316.8	1327.1	1338.5	1326.0	1329.3	1327.7	1307.6
5°	1349.4	1359.7	1373.8	1404.3	1438.5	1457.5	1475.4	1472.7	1455.9	1427.6	1407.5
7.5°	1420.0	1432.0	1456.4	1505.8	1556.4	1585.7	1607.4	1593.3	1579.2	1534.6	1484.1
10°	1475.4	1482.5	1515.6	1581.9	1640.6	1673.7	1700.3	1697.1	1677.5	1627.5	1559.6
12.5°	1527.6	1532.5	1568.3	1634.6	1687.3	1701.9	1723.7	1730.7	1724.2	1686.7	1619.9
15°	1583.5	1592.8	1625.9	1676.4	1700.3	1685.1	1692.7	1712.3	1730.7	1730.7	1669.4
17.5°	1635.7	1643.8	1677.5	1699.2	1676.4	1636.2	1638.4	1663.4	1707.4	1753.6	1714.4
20°	1681.8	1689.5	1722.6	1701.9	1629.7	1571.0	1569.4	1599.8	1671.0	1768.2	1762.8
22.5°	1732.4	1743.2	1770.9	1704.1	1586.2	1511.8	1511.3	1542.8	1638.9	1782.9	1818.2
25°	1804.1	1820.9	1835.0	1723.1	1562.9	1473.2	1480.3	1510.2	1628.6	1806.8	1900.2
27.5°	1910.6	1924.1	1923.0	1762.8	1561.8	1457.5	1472.2	1506.9	1647.1	1849.2	1986.6
30°	2025.7	2032.8	2021.4	1818.2	1586.8	1467.3	1489.0	1530.3	1693.8	1919.2	2113.7
32.5°	2153.4	2162.1	2140.3	1901.3	1644.9	1539.5	1587.3	1607.4	1759.5	2020.3	2248.4
35°	2300.0	2316.9	2271.8	2011.0	1816.0	1803.0	1872.5	1846.4	1899.1	2139.8	2392.4
37.5°	2454.3	2454.9	2390.2	2173.5	2151.7	2174.0	2313.1	2231.6	2195.2	2272.9	2539.1
40°	2585.2	2582.0	2482.6	2392.4	2444.0	2532.6	2700.4	2575.5	2479.9	2451.6	2660.8
42.5°	2716.2	2704.2	2603.7	2531.5	2645.5	2827.5	3017.1	2863.9	2662.4	2614.0	2780.8
45°	2883.5	2879.7	2758.5	2586.9	2827.5	3157.8	3409.3	3161.1	2770.5	2708.6	2980.7
47.5°	3153.5	3135.0	2909.6	2582.5	2998.1	3597.8	3915.6	3535.4	2846.0	2710.7	3303.4
50°	3417.5	3394.7	3089.9	2582.0	3174.1	4054.1	4513.2	3990.0	2923.1	2723.8	3631.5
52.5°	3684.2	3684.2	3386.0	2643.4	3358.8	4563.7	5203.6	4556.6	3054.6	2894.3	4035.1
55°	3842.8	3885.2	3719.0	2747.1	3575.0	5163.4	5886.5	5168.3	3257.8	3202.4	4407.8
57.5°	3641.3	3720.6	3696.7	2674.9	3702.7	5604.0	6465.6	5632.2	3358.3	3238.8	4351.8
60°	2967.1	3077.4	3132.3	2309.8	3576.6	5655.1	6586.7	5662.7	3150.8	2758.0	3727.7
62.5°	1972.5	2063.2	2146.9	1650.3	3096.4	5087.4	5825.6	5089.0	2631.4	2058.3	2582.5
65°	967.5	1034.9	1125.0	975.6	2419.0	4250.8	4542.0	4112.3	1903.5	1152.2	1317.3
67.5°	253.1	272.2	284.7	378.6	1732.9	3054.1	2962.3	3007.9	1222.8	376.5	344.4
70°	131.5	132.5	132.0	156.5	1171.2	1941.0	2041.5	1888.8	853.4	157.5	135.8
72.5°	94.0	94.5	92.9	105.4	565.5	1112.0	1152.2	1139.7	447.1	93.4	92.9
75°	61.4	61.9	60.8	61.9	85.3	126.6	116.8	122.8	74.4	59.2	59.2
77.5°	36.4	36.9	36.4	37.5	36.4	36.4	33.7	33.7	32.1	32.1	32.6
80°	24.4	24.4	23.9	25.0	22.8	22.8	21.7	21.2	19.6	19.0	19.0
82.5°	14.7	15.2	14.7	14.7	13.6	13.6	12.5	12.0	10.3	10.3	9.8
85°	7.6	7.6	7.1	7.1	6.0	5.4	4.3	4.3	3.3	2.7	2.7
87.5°	1.1	1.1	0.5	0.5	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: P630839

CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9
2.5°	1302.1	1291.3	1275.0	1259.2	1244.5	1229.3	1212.0	1194.0	1178.8	1163.1	1154.9
5°	1380.9	1358.6	1316.3	1278.8	1245.1	1217.4	1187.5	1162.0	1138.1	1118.5	1108.7
7.5°	1452.1	1417.3	1353.2	1294.0	1248.3	1210.3	1169.0	1131.0	1099.0	1075.1	1065.8
10°	1517.8	1476.5	1392.3	1317.3	1264.1	1221.7	1171.2	1119.6	1077.2	1045.7	1038.1
12.5°	1571.0	1523.8	1423.3	1336.4	1273.3	1227.7	1183.2	1138.6	1096.8	1056.0	1049.5
15°	1618.3	1562.3	1446.6	1348.3	1270.1	1212.0	1174.5	1169.0	1169.0	1122.9	1109.8
17.5°	1659.0	1597.6	1465.6	1353.7	1249.4	1165.2	1142.4	1189.7	1242.9	1209.8	1180.4
20°	1705.8	1631.3	1481.4	1353.7	1211.4	1106.0	1103.8	1184.2	1263.0	1263.6	1232.6
22.5°	1753.0	1670.4	1499.9	1348.8	1159.3	1037.6	1077.8	1162.5	1232.6	1262.5	1241.3
25°	1829.6	1724.8	1529.2	1345.0	1098.4	990.9	1054.4	1133.7	1192.9	1224.4	1210.9
27.5°	1926.8	1796.5	1573.7	1351.0	1038.1	963.2	1029.4	1096.2	1150.0	1177.7	1168.0
30°	2035.5	1879.0	1621.6	1361.3	994.7	949.0	999.5	1053.3	1101.1	1128.8	1124.5
32.5°	2174.0	1968.7	1662.8	1347.2	970.2	942.0	968.0	1006.6	1052.8	1070.2	1074.0
35°	2339.7	2067.5	1694.3	1291.8	947.9	934.4	933.8	957.7	990.3	1018.0	1020.7
37.5°	2492.4	2183.3	1729.1	1196.7	907.7	915.3	893.6	907.7	939.8	967.5	978.4
40°	2643.4	2300.6	1777.5	1075.6	855.0	873.0	847.4	857.2	882.8	919.2	936.5
42.5°	2790.0	2406.5	1828.5	951.7	802.4	813.8	794.8	804.5	831.1	876.8	896.3
45°	2949.8	2549.9	1868.2	834.9	756.7	751.8	736.6	750.7	790.9	840.9	864.3
47.5°	3251.8	2775.9	1894.3	757.3	732.3	697.0	679.6	710.0	755.6	806.2	834.4
50°	3620.6	3102.9	1886.6	707.8	711.1	640.5	634.5	674.7	723.6	776.3	807.2
52.5°	3912.9	3424.0	1800.3	660.6	669.8	604.6	587.2	645.9	692.6	746.4	778.5
55°	4136.2	3532.1	1535.2	604.6	602.4	578.5	542.1	616.0	661.7	711.6	746.4
57.5°	3954.2	3291.4	1138.1	527.5	514.4	526.9	491.6	565.5	623.6	673.1	704.0
60°	3281.7	2624.4	634.0	467.2	430.2	460.7	455.2	512.3	582.3	634.5	661.1
62.5°	2227.8	1747.6	375.9	369.4	348.8	392.2	421.0	458.5	527.5	569.9	594.8
65°	1110.4	849.1	249.9	276.5	279.2	322.7	377.0	418.3	475.9	519.3	544.3
67.5°	322.1	264.0	190.1	211.3	240.7	275.4	318.9	367.8	423.7	475.3	504.7
70°	139.1	140.7	151.0	176.0	204.8	240.7	284.1	331.9	379.2	418.8	441.1
72.5°	98.3	102.1	113.5	139.1	166.2	200.5	243.9	290.1	324.3	364.5	387.9
75°	63.0	65.7	75.0	94.5	114.6	147.8	189.0	231.4	266.7	295.5	317.8
77.5°	34.8	35.3	42.9	54.3	67.9	89.1	119.5	152.6	178.7	195.0	215.1
80°	20.1	20.1	23.9	31.0	39.1	52.2	69.0	85.3	101.0	111.4	121.1
82.5°	10.9	10.9	12.5	16.8	21.2	28.8	38.6	46.7	56.5	61.9	68.4
85°	3.3	3.3	4.3	6.0	7.6	10.9	15.2	19.6	23.9	27.7	31.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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: P630839

CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9
2.5°	1153.3	1145.7	1141.3	1135.9	1137.5	1132.6	1129.9	1131.6	1121.8	1131.6	1141.3
5°	1104.9	1094.1	1085.4	1078.3	1075.1	1068.5	1064.7	1064.7	1058.8	1068.5	1080.5
7.5°	1062.6	1053.9	1049.5	1045.2	1040.3	1034.3	1027.8	1025.6	1021.8	1032.1	1042.5
10°	1034.3	1035.4	1038.1	1044.1	1043.0	1039.2	1029.4	1024.0	1024.0	1035.9	1051.7
12.5°	1047.4	1058.8	1065.3	1076.1	1078.3	1075.1	1065.3	1060.9	1071.8	1089.7	1115.8
15°	1097.9	1105.5	1110.9	1119.6	1119.1	1116.3	1108.7	1112.0	1147.9	1182.6	1206.0
17.5°	1152.7	1144.0	1143.0	1148.4	1150.0	1146.8	1142.4	1157.1	1216.3	1248.9	1260.8
20°	1192.4	1162.5	1156.0	1158.2	1162.5	1160.9	1160.9	1184.8	1246.2	1261.4	1246.2
22.5°	1204.3	1162.0	1152.2	1152.7	1158.7	1159.3	1162.0	1187.0	1222.8	1223.4	1200.0
25°	1185.3	1144.6	1137.5	1138.6	1145.7	1145.1	1146.2	1160.3	1176.1	1169.6	1152.2
27.5°	1149.5	1114.2	1112.0	1118.0	1127.2	1122.3	1119.1	1122.9	1130.5	1122.3	1107.1
30°	1108.7	1078.9	1079.9	1091.4	1101.1	1093.0	1084.8	1087.0	1087.6	1078.9	1061.5
32.5°	1065.8	1043.6	1047.4	1059.3	1070.7	1062.0	1053.3	1052.2	1041.9	1031.6	1014.8
35°	1022.9	1014.2	1019.1	1028.9	1038.7	1031.6	1026.2	1022.9	1000.6	985.4	971.3
37.5°	983.8	990.3	999.0	1005.0	1008.2	1007.7	1004.4	996.8	967.5	949.6	931.1
40°	949.0	969.1	978.4	981.1	986.0	984.9	984.3	973.5	934.9	915.9	894.7
42.5°	917.5	945.8	961.5	964.2	967.0	967.5	965.9	950.1	906.1	883.8	863.7
45°	887.1	924.0	944.1	941.4	945.2	945.2	946.9	926.2	877.9	855.0	833.9
47.5°	860.5	903.9	922.4	919.2	921.3	923.0	924.6	900.7	846.9	825.2	803.4
50°	836.0	882.2	898.0	899.1	899.1	902.9	902.3	879.0	820.8	797.5	775.7
52.5°	810.0	859.9	876.8	883.8	886.0	887.6	880.0	852.9	794.2	766.0	745.9
55°	779.5	837.1	852.3	861.6	865.9	864.8	854.5	826.8	767.0	738.8	716.0
57.5°	733.4	788.2	810.0	814.3	821.4	817.0	805.1	781.7	723.6	695.3	672.0
60°	682.8	722.5	739.9	743.7	738.3	739.9	738.3	716.0	665.5	643.2	619.3
62.5°	616.6	651.9	670.3	675.2	666.0	672.0	669.8	642.1	591.6	568.2	547.0
65°	566.6	605.2	626.9	629.6	626.9	629.6	622.0	588.3	540.5	516.6	494.9
67.5°	527.5	567.1	590.0	597.6	594.8	594.3	582.3	543.2	493.8	467.7	440.0
70°	460.1	494.9	524.2	542.7	542.7	532.4	509.6	473.2	433.5	411.2	389.5
72.5°	407.4	451.4	480.2	499.2	503.0	497.1	465.0	426.4	380.8	358.5	335.7
75°	335.7	378.6	409.6	434.6	439.5	433.0	396.0	358.0	315.6	293.9	271.1
77.5°	224.4	249.9	274.9	297.7	292.8	297.1	272.2	243.4	217.3	201.0	190.7
80°	126.6	143.4	151.0	163.5	163.5	163.5	147.2	133.6	119.0	109.7	99.4
82.5°	71.7	82.6	85.8	96.2	98.9	99.4	88.5	79.9	70.6	65.7	58.7
85°	33.1	39.1	39.7	45.6	47.8	52.2	47.3	41.3	35.9	33.7	29.3
87.5°	1.1	3.3	4.3	8.1	10.9	12.5	13.6	13.6	11.4	10.3	8.7
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: P630839

CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9	1217.9
2.5°	1153.3	1166.3	1181.5	1192.4	1212.0	1228.3	1245.1	1263.6	1277.1	1273.9
5°	1095.2	1116.9	1144.6	1170.1	1206.5	1243.5	1284.2	1326.0	1350.5	1349.4
7.5°	1062.6	1093.5	1127.2	1161.4	1204.3	1257.6	1320.1	1385.2	1418.4	1420.0
10°	1079.9	1113.1	1135.9	1164.7	1209.8	1276.6	1351.6	1429.8	1467.8	1475.4
12.5°	1134.8	1132.1	1130.5	1151.1	1205.4	1290.2	1382.0	1475.4	1518.3	1527.6
15°	1187.0	1131.0	1097.3	1111.5	1185.9	1298.9	1411.9	1525.4	1573.7	1583.5
17.5°	1196.7	1112.0	1049.5	1059.3	1154.9	1301.6	1440.7	1574.3	1626.4	1635.7
20°	1169.6	1087.6	1014.8	1001.2	1115.8	1294.5	1458.6	1615.0	1672.1	1681.8
22.5°	1135.4	1065.8	988.7	953.4	1068.0	1287.5	1478.7	1657.9	1723.7	1732.4
25°	1099.5	1038.1	964.2	910.5	1013.7	1283.1	1512.4	1714.4	1793.8	1804.1
27.5°	1061.5	1004.4	943.1	889.8	963.7	1288.5	1560.2	1805.7	1895.9	1910.6
30°	1020.7	970.8	929.5	882.8	929.5	1293.4	1612.9	1899.1	2005.1	2025.7
32.5°	978.4	939.8	915.3	886.0	908.3	1282.0	1659.0	2004.0	2135.4	2153.4
35°	936.0	908.3	897.4	892.0	880.0	1240.2	1696.5	2109.9	2284.3	2300.0
37.5°	896.3	875.7	872.4	878.4	836.6	1171.8	1740.0	2244.6	2430.4	2454.3
40°	859.4	840.4	839.8	838.8	788.8	1078.3	1798.6	2381.5	2574.4	2585.2
42.5°	825.2	801.3	805.6	792.6	749.7	977.3	1854.1	2498.3	2708.6	2716.2
45°	794.8	763.2	768.1	751.8	731.2	871.3	1902.9	2636.3	2878.6	2883.5
47.5°	765.4	731.7	718.2	717.1	727.9	773.6	1950.8	2902.0	3144.8	3153.5
50°	738.3	701.9	663.3	687.2	707.8	700.2	2010.5	3186.6	3419.7	3417.5
52.5°	712.2	664.4	609.5	655.7	655.7	645.9	1993.7	3359.4	3646.7	3684.2
55°	682.3	604.1	553.6	603.0	579.1	597.0	1695.4	3415.9	3789.6	3842.8
57.5°	623.1	529.7	485.7	512.3	476.4	553.6	1217.9	3135.5	3546.8	3641.3
60°	566.0	474.8	446.0	441.1	394.4	451.4	789.3	2454.9	2919.3	2967.1
62.5°	499.2	427.5	403.1	365.6	317.2	328.7	478.0	1615.6	1961.6	1972.5
65°	448.7	387.3	340.6	296.1	259.7	238.5	282.5	779.0	980.5	967.5
67.5°	385.2	331.9	287.4	255.3	225.4	198.8	188.0	231.4	261.8	253.1
70°	342.8	291.7	248.8	218.4	190.7	164.1	145.0	136.4	133.6	131.5
72.5°	295.5	251.0	206.4	177.1	151.0	126.6	109.2	98.9	96.2	94.0
75°	235.8	193.9	153.2	125.5	102.7	85.3	73.9	65.2	63.6	61.4
77.5°	155.9	124.4	91.3	74.4	60.8	51.6	44.0	38.6	37.5	36.4
80°	85.8	71.7	56.0	45.1	36.4	31.5	28.8	25.5	25.0	24.4
82.5°	51.1	42.9	32.1	25.5	21.2	19.0	17.4	15.8	15.2	14.7
85°	25.5	20.1	14.1	12.0	10.9	9.8	9.8	8.1	7.6	7.6
87.5°	6.5	5.4	3.3	2.7	2.7	2.7	2.2	1.6	1.6	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)