

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: P630949

Luminaire Tested: GWS-SA1E-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630949  
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-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**

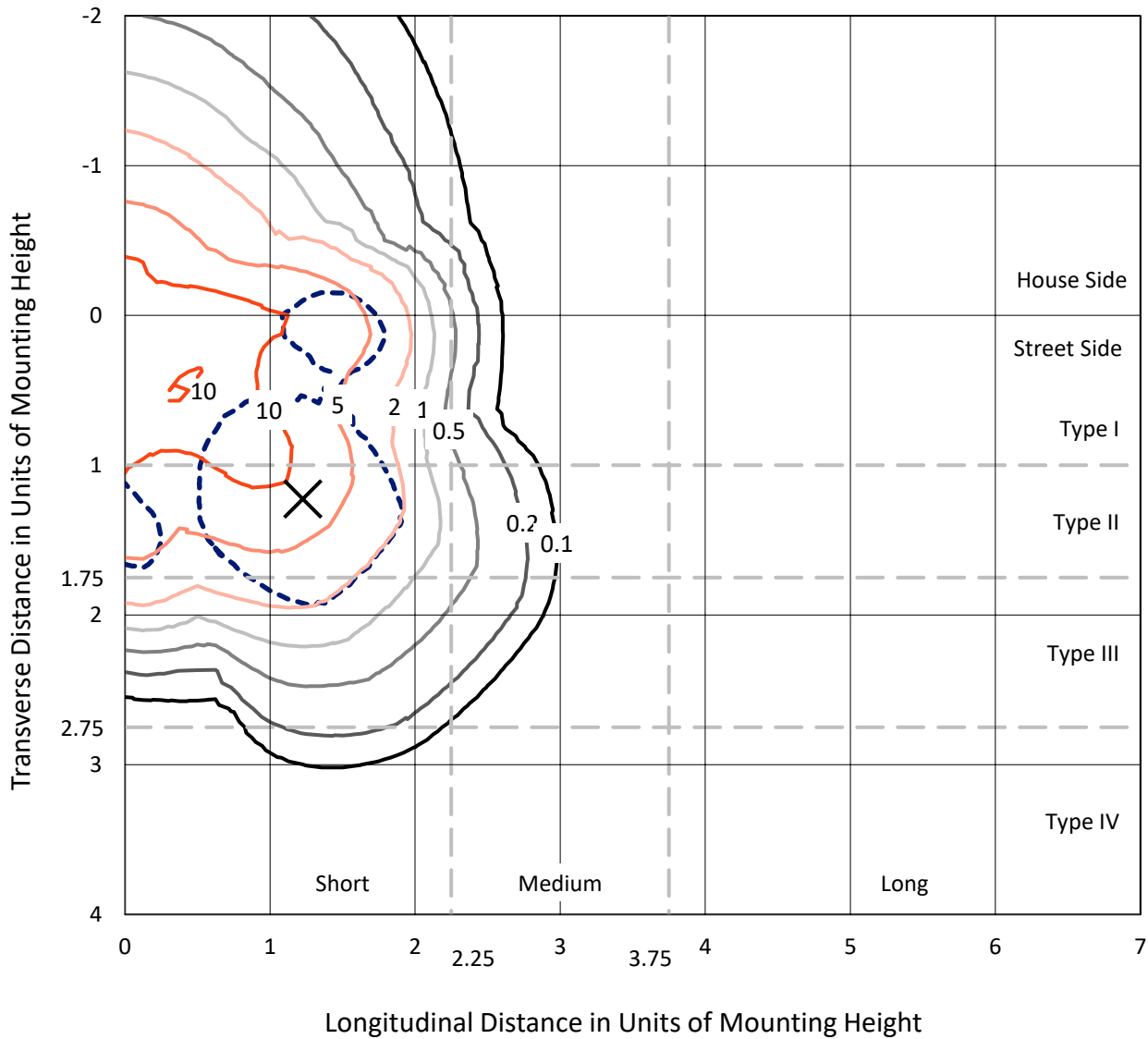
Lumens per Lamp: N/A  
Luminaire Lumens: 5981.4 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

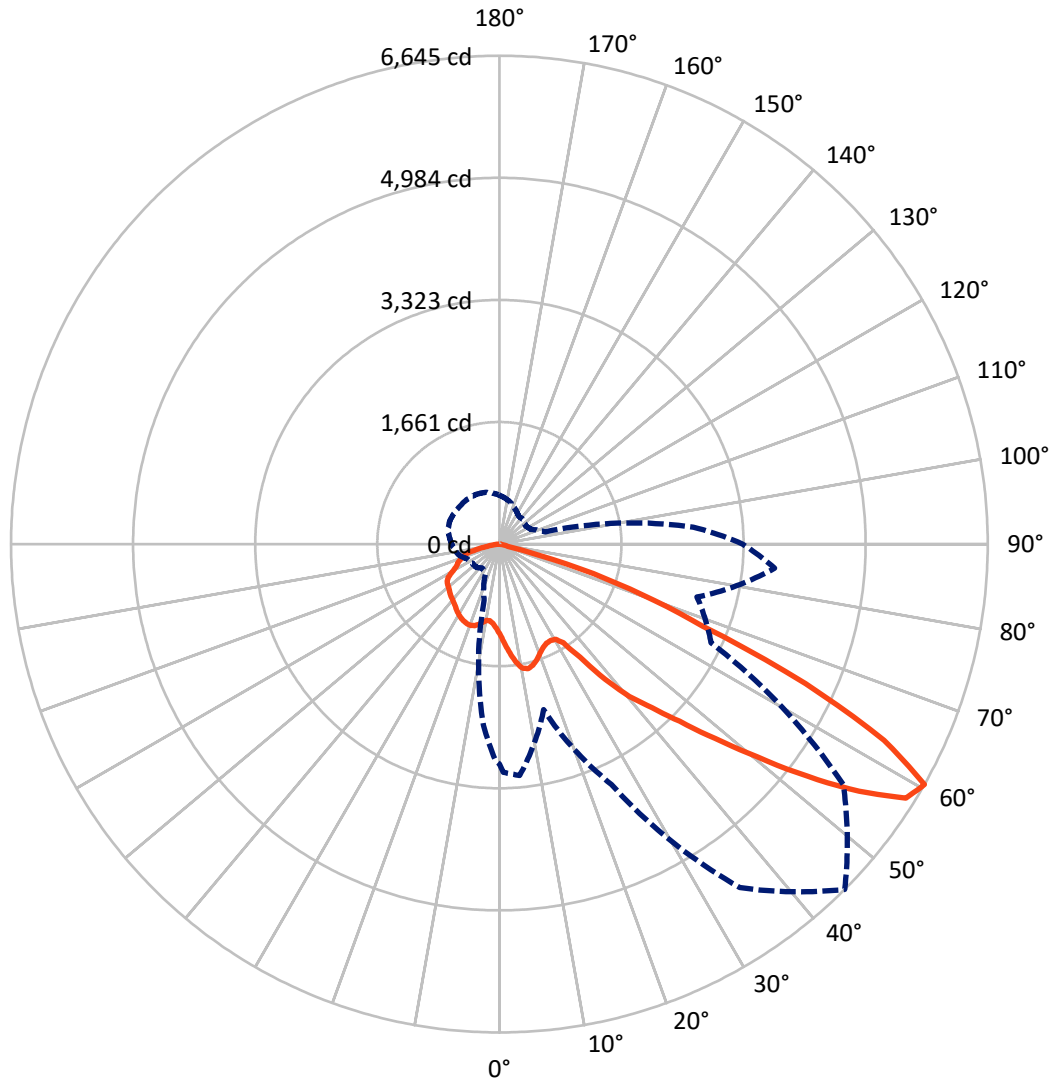
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2096.7	0.0	2096.7
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	3884.7	0.0	3884.7
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	5981.4	0.0	5981.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	2.0
10°-20°	378.8	6.3
20°-30°	615.4	10.3
30°-40°	867.9	14.5
40°-50°	1199.4	20.1
50°-60°	1543.9	25.8
60°-70°	978.3	16.4
70°-80°	251.0	4.2
80°-90°	26.8	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°	5981.4	100.0
0°-180°	5981.4	100.0

**Coefficient of Utilization**



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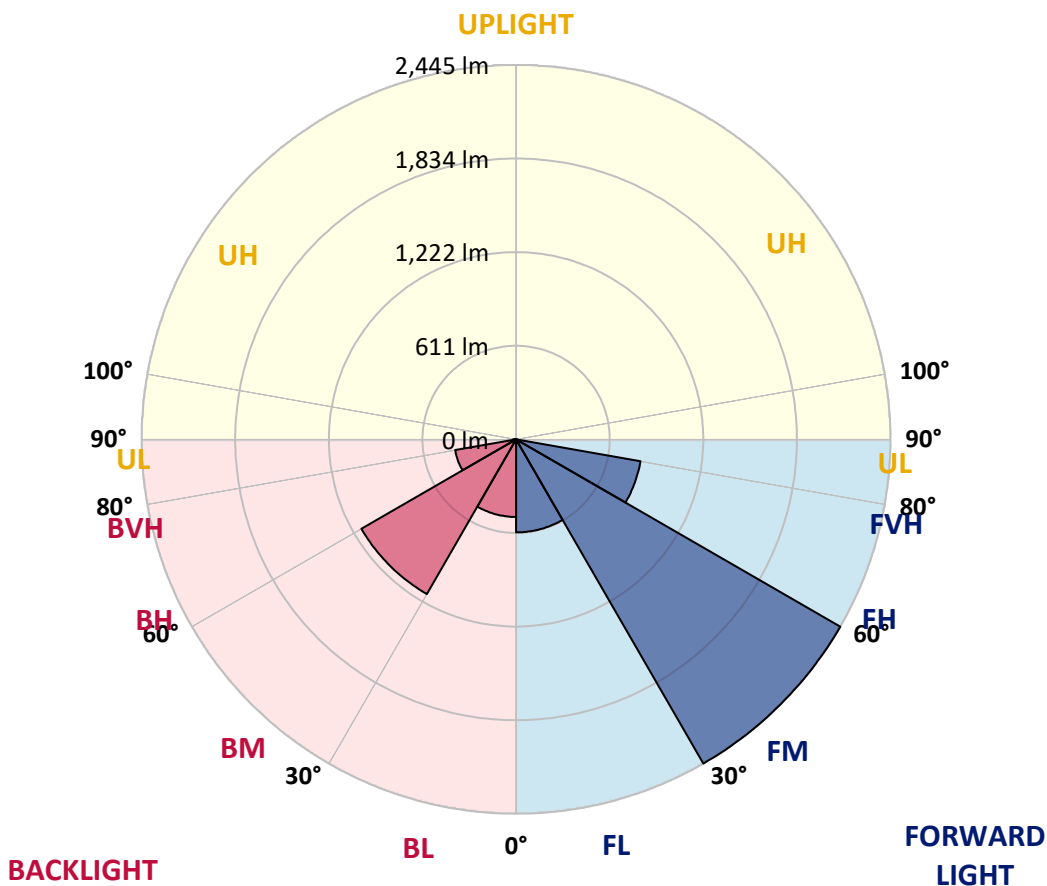
CATALOG NUMBER: GWS-SA1E-760-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	607.3	10.2			
FM (30°-60°)	2444.8	40.9			
FH (60°-80°)	825.2	13.8			G1/1800
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	506.8	8.5	B2/1000		
BM (30°-60°)	1166.3	19.5	B2/2500		
BH (60°-80°)	404.1	6.8	B1/500		G1/500
BVH (80°-90°)	19.6	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8
2.5°	1285.2	1294.0	1299.5	1309.9	1328.5	1338.9	1350.4	1337.8	1341.1	1339.5	1319.2
5°	1361.4	1371.8	1386.0	1416.7	1451.3	1470.5	1488.5	1485.8	1468.8	1440.3	1420.0
7.5°	1432.6	1444.7	1469.4	1519.2	1570.2	1599.8	1621.7	1607.5	1593.2	1548.3	1497.3
10°	1488.5	1495.7	1529.1	1596.0	1655.1	1688.6	1715.4	1712.1	1692.4	1642.0	1573.5
12.5°	1541.2	1546.1	1582.3	1649.1	1702.3	1717.1	1739.0	1746.1	1739.5	1701.7	1634.3
15°	1597.6	1606.9	1640.3	1691.3	1715.4	1700.1	1707.8	1727.5	1746.1	1746.1	1684.2
17.5°	1650.2	1658.4	1692.4	1714.3	1691.3	1650.8	1653.0	1678.2	1722.6	1769.1	1729.7
20°	1696.8	1704.5	1737.9	1717.1	1644.2	1585.0	1583.4	1614.0	1685.8	1783.9	1778.5
22.5°	1747.8	1758.7	1786.7	1719.3	1600.3	1525.3	1524.7	1556.5	1653.5	1798.7	1834.4
25°	1820.1	1837.1	1851.4	1738.5	1576.8	1486.3	1493.5	1523.6	1643.1	1822.9	1917.1
27.5°	1927.5	1941.2	1940.1	1778.5	1575.7	1470.5	1485.2	1520.3	1661.7	1865.6	2004.3
30°	2043.7	2050.8	2039.3	1834.4	1600.9	1480.3	1502.2	1543.9	1708.9	1936.3	2132.5
32.5°	2172.5	2181.3	2159.4	1918.2	1659.5	1553.2	1601.4	1621.7	1775.2	2038.2	2268.4
35°	2320.5	2337.5	2292.0	2028.9	1832.2	1819.0	1889.2	1862.9	1916.0	2158.8	2413.7
37.5°	2476.1	2476.7	2411.5	2192.8	2170.9	2193.3	2333.6	2251.4	2214.7	2293.1	2561.6
40°	2608.2	2604.9	2504.6	2413.7	2465.7	2555.1	2724.4	2598.4	2501.9	2473.4	2684.4
42.5°	2740.3	2728.3	2626.9	2554.0	2669.1	2852.7	3043.9	2889.4	2686.1	2637.3	2805.5
45°	2909.1	2905.3	2783.1	2609.9	2852.7	3185.9	3439.6	3189.2	2795.1	2732.6	3007.2
47.5°	3181.5	3162.9	2935.4	2605.5	3024.8	3629.8	3950.4	3566.8	2871.3	2734.8	3332.8
50°	3447.9	3424.8	3117.4	2604.9	3202.3	4090.2	4553.3	4025.5	2949.1	2748.0	3663.8
52.5°	3717.0	3717.0	3416.1	2666.9	3388.7	4604.3	5249.9	4597.1	3081.8	2920.1	4071.0
55°	3877.0	3919.7	3752.0	2771.5	3606.8	5209.3	5938.8	5214.3	3286.7	3230.8	4447.0
57.5°	3673.7	3753.7	3729.6	2698.7	3735.6	5653.8	6523.0	5682.3	3388.1	3267.5	4390.5
60°	2993.5	3104.8	3160.1	2330.4	3608.4	5705.3	6645.3	5713.0	3178.8	2782.5	3760.8
62.5°	1990.0	2081.5	2165.9	1665.0	3124.0	5132.6	5877.4	5134.2	2654.8	2076.6	2605.5
65°	976.1	1044.1	1135.0	984.3	2440.5	4288.6	4582.3	4148.8	1920.4	1162.4	1329.1
67.5°	255.4	274.6	287.2	382.0	1748.3	3081.2	2988.6	3034.6	1233.7	379.8	347.5
70°	132.6	133.7	133.2	157.8	1181.6	1958.2	2059.6	1905.6	861.0	158.9	137.0
72.5°	94.8	95.4	93.7	106.3	570.5	1121.9	1162.4	1149.8	451.1	94.3	93.7
75°	61.9	62.5	61.4	62.5	86.0	127.7	117.8	123.9	75.1	59.7	59.7
77.5°	36.7	37.3	36.7	37.8	36.7	36.7	34.0	34.0	32.3	32.3	32.9
80°	24.7	24.7	24.1	25.2	23.0	23.0	21.9	21.4	19.7	19.2	19.2
82.5°	14.8	15.3	14.8	14.8	13.7	13.7	12.6	12.1	10.4	10.4	9.9
85°	7.7	7.7	7.1	7.1	6.0	5.5	4.4	4.4	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8
2.5°	1313.7	1302.7	1286.3	1270.4	1255.6	1240.3	1222.7	1204.6	1189.3	1173.4	1165.2
5°	1393.2	1370.7	1328.0	1290.1	1256.2	1228.2	1198.1	1172.3	1148.2	1128.5	1118.6
7.5°	1465.0	1429.9	1365.2	1305.5	1259.4	1221.1	1179.4	1141.1	1108.7	1084.6	1075.3
10°	1531.3	1489.6	1404.7	1329.1	1275.3	1232.6	1181.6	1129.6	1086.8	1055.0	1047.3
12.5°	1585.0	1537.3	1435.9	1348.2	1284.7	1238.6	1193.7	1148.7	1106.5	1065.4	1058.9
15°	1632.7	1576.2	1459.5	1360.3	1281.4	1222.7	1184.9	1179.4	1179.4	1132.8	1119.7
17.5°	1673.8	1611.9	1478.7	1365.8	1260.5	1175.6	1152.6	1200.3	1254.0	1220.5	1190.9
20°	1720.9	1645.8	1494.6	1365.8	1222.2	1115.9	1113.7	1194.8	1274.2	1274.8	1243.6
22.5°	1768.6	1685.3	1513.2	1360.8	1169.6	1046.8	1087.4	1172.9	1243.6	1273.7	1252.3
25°	1845.9	1740.1	1542.8	1357.0	1108.2	999.7	1063.8	1143.8	1203.5	1235.3	1221.6
27.5°	1944.0	1812.4	1587.7	1363.0	1047.3	971.7	1038.6	1106.0	1160.2	1188.2	1178.3
30°	2053.6	1895.7	1636.0	1373.4	1003.5	957.5	1008.4	1062.7	1110.9	1138.9	1134.5
32.5°	2193.3	1986.2	1677.6	1359.2	978.8	950.3	976.6	1015.6	1062.1	1079.7	1083.5
35°	2360.5	2085.9	1709.4	1303.3	956.4	942.7	942.1	966.2	999.1	1027.1	1029.8
37.5°	2514.5	2202.7	1744.5	1207.4	915.8	923.5	901.6	915.8	948.1	976.1	987.1
40°	2666.9	2321.0	1793.3	1085.2	862.6	880.7	855.0	864.8	890.6	927.3	944.9
42.5°	2814.8	2427.9	1844.8	960.2	809.5	821.0	801.8	811.7	838.5	884.6	904.3
45°	2976.0	2572.6	1884.8	842.4	763.5	758.5	743.2	757.4	798.0	848.4	872.0
47.5°	3280.7	2800.6	1911.1	764.0	738.8	703.2	685.6	716.3	762.4	813.3	841.8
50°	3652.8	3130.5	1903.4	714.1	717.4	646.2	640.1	680.7	730.0	783.2	814.4
52.5°	3947.7	3454.4	1816.3	666.4	675.8	610.0	592.5	651.6	698.8	753.0	785.4
55°	4172.9	3563.5	1548.8	610.0	607.8	583.7	547.0	621.5	667.5	718.0	753.0
57.5°	3989.3	3320.7	1148.2	532.2	519.0	531.6	496.0	570.5	629.2	679.0	710.3
60°	3310.8	2647.7	639.6	471.3	434.1	464.8	459.3	516.8	587.5	640.1	667.0
62.5°	2247.6	1763.1	379.3	372.7	351.9	395.7	424.7	462.6	532.2	574.9	600.1
65°	1120.2	856.6	252.1	279.0	281.7	325.5	380.4	422.0	480.1	523.9	549.2
67.5°	325.0	266.4	191.8	213.2	242.8	277.9	321.7	371.0	427.5	479.6	509.1
70°	140.3	141.9	152.4	177.6	206.6	242.8	286.6	334.9	382.5	422.6	445.0
72.5°	99.2	103.0	114.5	140.3	167.7	202.2	246.1	292.7	327.2	367.7	391.3
75°	63.6	66.3	75.6	95.4	115.6	149.1	190.7	233.5	269.1	298.1	320.6
77.5°	35.1	35.6	43.3	54.8	68.5	89.9	120.6	154.0	180.3	196.8	217.0
80°	20.3	20.3	24.1	31.2	39.5	52.6	69.6	86.0	101.9	112.4	122.2
82.5°	11.0	11.0	12.6	17.0	21.4	29.0	38.9	47.1	57.0	62.5	69.1
85°	3.3	3.3	4.4	6.0	7.7	11.0	15.3	19.7	24.1	28.0	31.8
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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8
2.5°	1163.5	1155.9	1151.5	1146.0	1147.6	1142.7	1140.0	1141.6	1131.7	1141.6	1151.5
5°	1114.8	1103.8	1095.0	1087.9	1084.6	1078.0	1074.2	1074.2	1068.2	1078.0	1090.1
7.5°	1072.0	1063.2	1058.9	1054.5	1049.5	1043.5	1036.9	1034.7	1030.9	1041.3	1051.7
10°	1043.5	1044.6	1047.3	1053.4	1052.3	1048.4	1038.6	1033.1	1033.1	1045.2	1061.0
12.5°	1056.7	1068.2	1074.7	1085.7	1087.9	1084.6	1074.7	1070.4	1081.3	1099.4	1125.7
15°	1107.6	1115.3	1120.8	1129.6	1129.0	1126.3	1118.6	1121.9	1158.1	1193.1	1216.7
17.5°	1163.0	1154.2	1153.1	1158.6	1160.2	1157.0	1152.6	1167.4	1227.1	1260.0	1272.1
20°	1203.0	1172.9	1166.3	1168.5	1172.9	1171.2	1171.2	1195.3	1257.3	1272.6	1257.3
22.5°	1215.1	1172.3	1162.4	1163.0	1169.0	1169.6	1172.3	1197.5	1233.7	1234.2	1210.7
25°	1195.9	1154.8	1147.6	1148.7	1155.9	1155.3	1156.4	1170.7	1186.6	1180.0	1162.4
27.5°	1159.7	1124.1	1121.9	1127.9	1137.2	1132.3	1129.0	1132.8	1140.5	1132.3	1117.0
30°	1118.6	1088.5	1089.5	1101.1	1110.9	1102.7	1094.5	1096.7	1097.2	1088.5	1070.9
32.5°	1075.3	1052.8	1056.7	1068.7	1080.2	1071.5	1062.7	1061.6	1051.2	1040.8	1023.8
35°	1032.0	1023.2	1028.2	1038.0	1047.9	1040.8	1035.3	1032.0	1009.5	994.2	979.9
37.5°	992.5	999.1	1007.9	1013.9	1017.2	1016.7	1013.4	1005.7	976.1	958.0	939.4
40°	957.5	977.7	987.1	989.8	994.7	993.6	993.1	982.1	943.2	924.0	902.7
42.5°	925.7	954.2	970.1	972.8	975.6	976.1	974.5	958.6	914.2	891.7	871.4
45°	895.0	932.3	952.5	949.8	953.6	953.6	955.3	934.4	885.7	862.6	841.3
47.5°	868.1	912.0	930.6	927.3	929.5	931.2	932.8	908.7	854.4	832.5	810.6
50°	843.5	890.1	905.9	907.0	907.0	910.9	910.3	886.8	828.1	804.6	782.6
52.5°	817.2	867.6	884.6	891.7	893.9	895.5	887.9	860.5	801.3	772.8	752.5
55°	786.5	844.6	859.9	869.2	873.6	872.5	862.1	834.2	773.9	745.4	722.3
57.5°	739.9	795.2	817.2	821.5	828.7	824.3	812.2	788.7	730.0	701.5	678.0
60°	688.9	728.9	746.5	750.3	744.8	746.5	744.8	722.3	671.4	648.9	624.8
62.5°	622.1	657.7	676.3	681.2	671.9	678.0	675.8	647.8	596.8	573.3	551.9
65°	571.6	610.5	632.5	635.2	632.5	635.2	627.5	593.6	545.3	521.2	499.3
67.5°	532.2	572.2	595.2	602.9	600.1	599.6	587.5	548.1	498.2	471.9	443.9
70°	464.2	499.3	528.9	547.5	547.5	537.1	514.1	477.4	437.4	414.9	393.0
72.5°	411.0	455.4	484.5	503.7	507.5	501.5	469.1	430.2	384.2	361.7	338.7
75°	338.7	382.0	413.2	438.4	443.4	436.8	399.5	361.2	318.4	296.5	273.5
77.5°	226.3	252.1	277.3	300.3	295.4	299.8	274.6	245.5	219.2	202.8	192.4
80°	127.7	144.7	152.4	165.0	165.0	165.0	148.5	134.8	120.0	110.7	100.3
82.5°	72.3	83.3	86.6	97.0	99.7	100.3	89.3	80.6	71.2	66.3	59.2
85°	33.4	39.5	40.0	46.0	48.2	52.6	47.7	41.7	36.2	34.0	29.6
87.5°	1.1	3.3	4.4	8.2	11.0	12.6	13.7	13.7	11.5	10.4	8.8
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: P630949

CATALOG NUMBER: GWS-SA1E-760-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8	1228.8
2.5°	1163.5	1176.7	1192.0	1203.0	1222.7	1239.2	1256.2	1274.8	1288.5	1285.2
5°	1104.9	1126.8	1154.8	1180.5	1217.2	1254.5	1295.6	1337.8	1362.5	1361.4
7.5°	1072.0	1103.2	1137.2	1171.8	1215.1	1268.8	1331.8	1397.6	1431.0	1432.6
10°	1089.5	1123.0	1146.0	1175.0	1220.5	1287.9	1363.6	1442.5	1480.9	1488.5
12.5°	1144.9	1142.2	1140.5	1161.3	1216.1	1301.6	1394.3	1488.5	1531.8	1541.2
15°	1197.5	1141.1	1107.1	1121.3	1196.4	1310.4	1424.4	1539.0	1587.7	1597.6
17.5°	1207.4	1121.9	1058.9	1068.7	1165.2	1313.2	1453.5	1588.3	1640.9	1650.2
20°	1180.0	1097.2	1023.8	1010.1	1125.7	1306.0	1471.5	1629.4	1686.9	1696.8
22.5°	1145.4	1075.3	997.5	961.8	1077.5	1298.9	1491.8	1672.7	1739.0	1747.8
25°	1109.3	1047.3	972.8	918.6	1022.7	1294.5	1525.8	1729.7	1809.7	1820.1
27.5°	1070.9	1013.4	951.4	897.7	972.3	1300.0	1574.0	1821.8	1912.7	1927.5
30°	1029.8	979.4	937.7	890.6	937.7	1304.9	1627.2	1916.0	2022.9	2043.7
32.5°	987.1	948.1	923.5	893.9	916.4	1293.4	1673.8	2021.8	2154.4	2172.5
35°	944.3	916.4	905.4	899.9	887.9	1251.2	1711.6	2128.7	2304.6	2320.5
37.5°	904.3	883.5	880.2	886.2	844.0	1182.2	1755.4	2264.6	2452.0	2476.1
40°	867.0	847.9	847.3	846.2	795.8	1087.9	1814.6	2402.7	2597.3	2608.2
42.5°	832.5	808.4	812.8	799.6	756.3	986.0	1870.5	2520.5	2732.6	2740.3
45°	801.8	770.0	775.0	758.5	737.7	879.1	1919.9	2659.7	2904.2	2909.1
47.5°	772.2	738.2	724.5	723.4	734.4	780.4	1968.1	2927.7	3172.7	3181.5
50°	744.8	708.1	669.2	693.3	714.1	706.5	2028.4	3214.9	3450.0	3447.9
52.5°	718.5	670.3	614.9	661.5	661.5	651.6	2011.4	3389.2	3679.1	3717.0
55°	688.4	609.4	558.5	608.3	584.2	602.3	1710.5	3446.2	3823.3	3877.0
57.5°	628.6	534.4	490.0	516.8	480.7	558.5	1228.8	3163.4	3578.3	3673.7
60°	571.1	479.0	450.0	445.0	397.9	455.4	796.3	2476.7	2945.3	2993.5
62.5°	503.7	431.3	406.7	368.8	320.1	331.6	482.3	1629.9	1979.1	1990.0
65°	452.7	390.8	343.6	298.7	262.0	240.6	285.0	785.9	989.3	976.1
67.5°	388.6	334.9	289.9	257.6	227.4	200.6	189.6	233.5	264.2	255.4
70°	345.8	294.3	251.0	220.3	192.4	165.5	146.3	137.6	134.8	132.6
72.5°	298.1	253.2	208.3	178.7	152.4	127.7	110.2	99.7	97.0	94.8
75°	237.9	195.7	154.6	126.6	103.6	86.0	74.5	65.8	64.1	61.9
77.5°	157.3	125.5	92.1	75.1	61.4	52.1	44.4	38.9	37.8	36.7
80°	86.6	72.3	56.5	45.5	36.7	31.8	29.0	25.8	25.2	24.7
82.5°	51.5	43.3	32.3	25.8	21.4	19.2	17.5	15.9	15.3	14.8
85°	25.8	20.3	14.2	12.1	11.0	9.9	9.9	8.2	7.7	7.7
87.5°	6.6	5.5	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)