

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: P630784

Luminaire Tested: GWS-SA1E-735-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630784  
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-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**

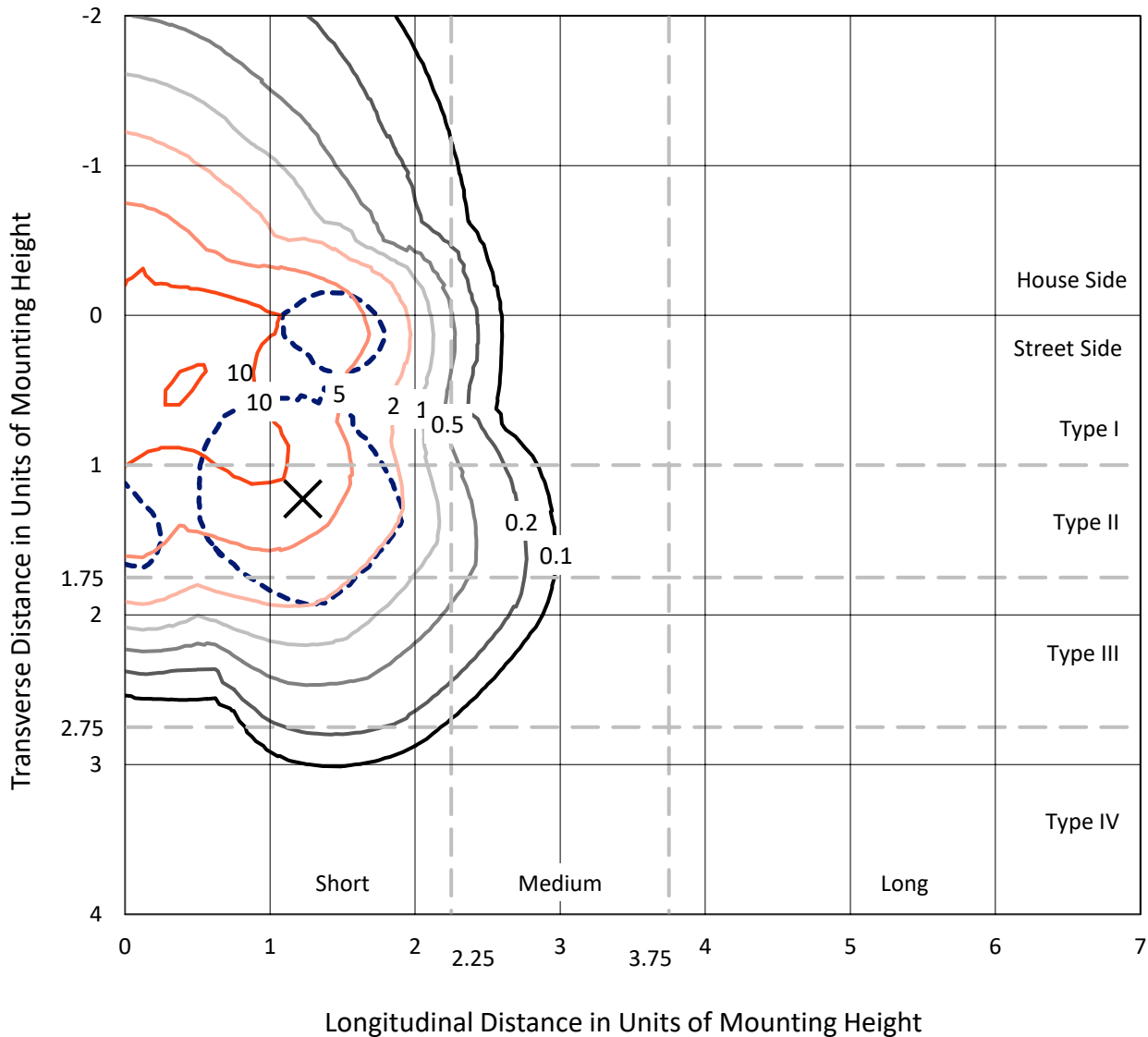
Lumens per Lamp: N/A  
Luminaire Lumens: 5847.4 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

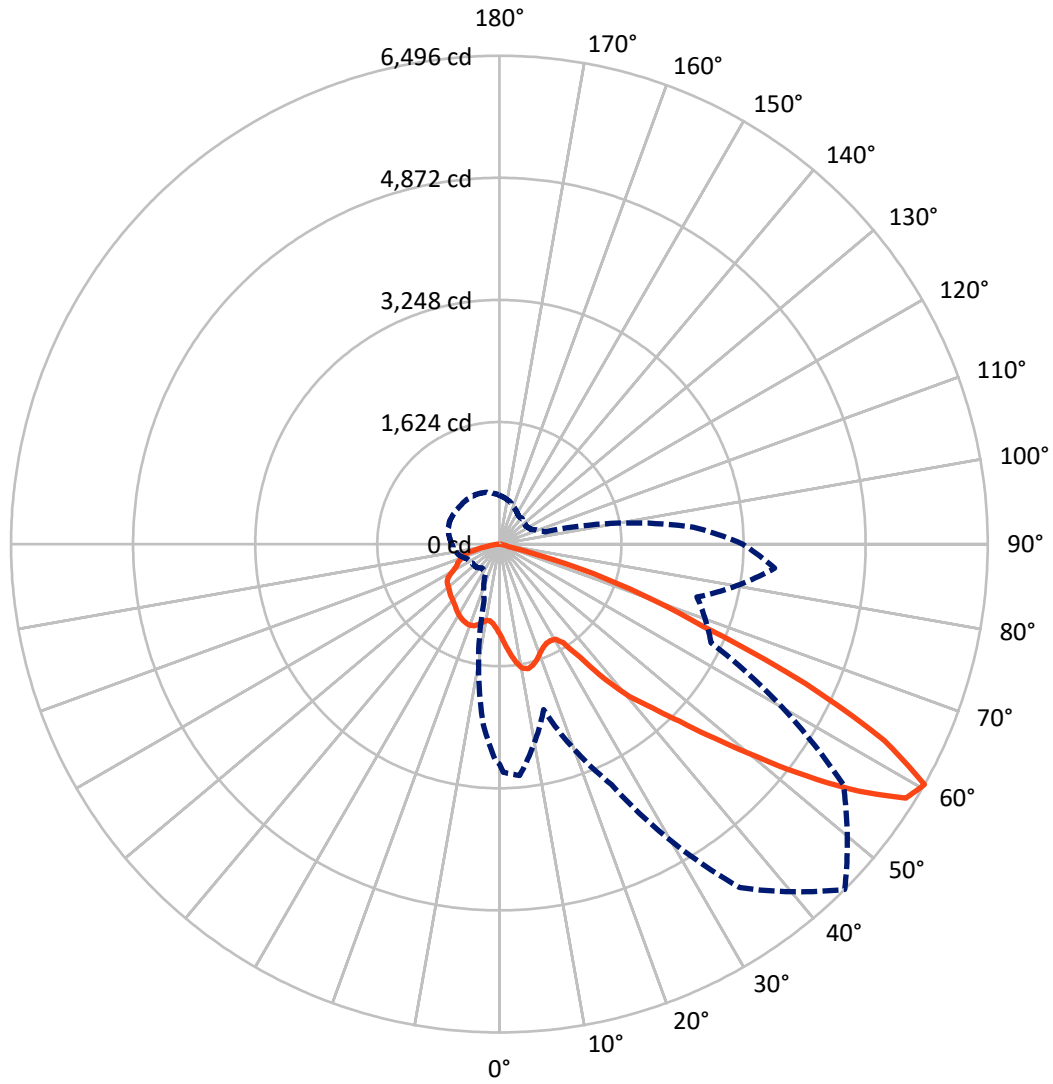
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 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	2049.7	0.0	2049.7
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	3797.7	0.0	3797.7
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	5847.4	0.0	5847.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.2	2.0
10°-20°	370.3	6.3
20°-30°	601.6	10.3
30°-40°	848.4	14.5
40°-50°	1172.5	20.1
50°-60°	1509.4	25.8
60°-70°	956.3	16.4
70°-80°	245.4	4.2
80°-90°	26.2	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°	5847.4	100.0
0°-180°	5847.4	100.0

**Coefficient of Utilization**



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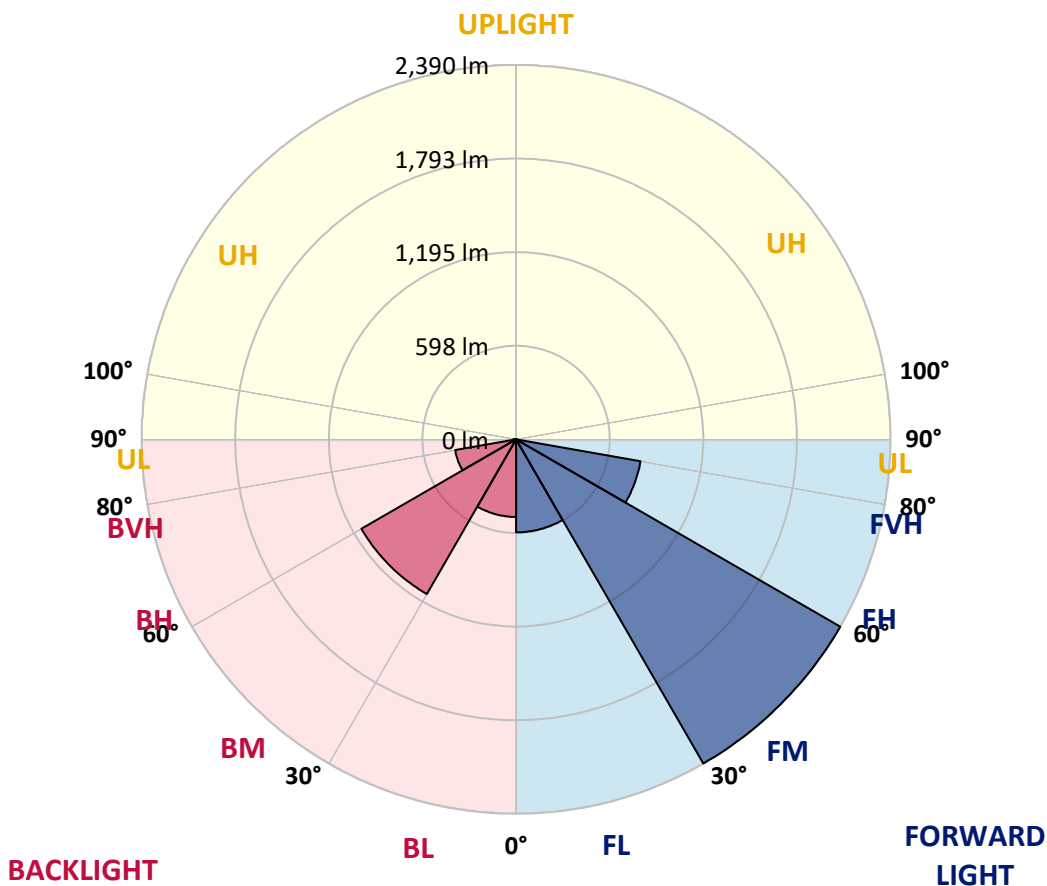
CATALOG NUMBER: GWS-SA1E-735-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.7	10.2			
FM (30°-60°)	2390.1	40.9			
FH (60°-80°)	806.7	13.8			G1/1800
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	495.4	8.5	B1/500		
BM (30°-60°)	1140.2	19.5	B2/2500		
BH (60°-80°)	395.0	6.8	B1/500		G1/500
BVH (80°-90°)	19.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2
2.5°	1256.4	1265.0	1270.3	1280.5	1298.7	1308.9	1320.2	1307.8	1311.1	1309.5	1289.6
5°	1330.9	1341.1	1355.0	1385.0	1418.8	1437.5	1455.2	1452.5	1435.9	1408.0	1388.2
7.5°	1400.5	1412.3	1436.4	1485.2	1535.0	1564.0	1585.4	1571.5	1557.5	1513.6	1463.8
10°	1455.2	1462.2	1494.8	1560.2	1618.1	1650.7	1677.0	1673.8	1654.5	1605.2	1538.2
12.5°	1506.6	1511.4	1546.8	1612.2	1664.1	1678.6	1700.0	1707.0	1700.6	1663.6	1597.7
15°	1561.8	1570.9	1603.6	1653.4	1677.0	1662.0	1669.5	1688.8	1707.0	1707.0	1646.5
17.5°	1613.2	1621.3	1654.5	1675.9	1653.4	1613.8	1615.9	1640.6	1684.0	1729.5	1690.9
20°	1658.8	1666.3	1699.0	1678.6	1607.4	1549.5	1547.9	1577.9	1648.1	1744.0	1738.6
22.5°	1708.6	1719.3	1746.7	1680.8	1564.5	1491.1	1490.6	1521.6	1616.5	1758.4	1793.3
25°	1779.3	1795.9	1809.9	1699.5	1541.5	1453.0	1460.0	1489.5	1606.3	1782.0	1874.2
27.5°	1884.4	1897.7	1896.7	1738.6	1540.4	1437.5	1452.0	1486.3	1624.5	1823.8	1959.4
30°	1997.9	2004.9	1993.7	1793.3	1565.0	1447.2	1468.6	1509.3	1670.6	1892.9	2084.7
32.5°	2123.8	2132.4	2111.0	1875.2	1622.4	1518.4	1565.6	1585.4	1735.4	1992.6	2217.6
35°	2268.5	2285.1	2240.6	1983.5	1791.1	1778.3	1846.8	1821.1	1873.1	2110.5	2359.6
37.5°	2420.7	2421.2	2357.4	2143.7	2122.2	2144.2	2281.4	2201.0	2165.1	2241.7	2504.3
40°	2549.8	2546.6	2448.5	2359.6	2410.5	2497.8	2663.4	2540.2	2445.9	2418.0	2624.3
42.5°	2678.9	2667.1	2568.0	2496.8	2609.3	2788.8	2975.7	2824.7	2625.9	2578.2	2742.7
45°	2843.9	2840.2	2720.7	2551.4	2788.8	3114.5	3362.6	3117.7	2732.5	2671.4	2939.8
47.5°	3110.2	3092.0	2869.7	2547.1	2957.0	3548.5	3861.9	3486.9	2807.0	2673.6	3258.1
50°	3370.6	3348.1	3047.5	2546.6	3130.6	3998.6	4451.3	3935.3	2883.1	2686.4	3581.7
52.5°	3633.7	3633.7	3339.5	2607.1	3312.8	4501.1	5132.3	4494.2	3012.7	2854.7	3979.8
55°	3790.1	3831.9	3668.0	2709.5	3526.0	5092.6	5805.8	5097.4	3213.1	3158.4	4347.4
57.5°	3591.4	3669.6	3646.0	2638.2	3651.9	5527.1	6376.9	5555.0	3312.2	3194.3	4292.2
60°	2926.5	3035.2	3089.3	2278.2	3527.6	5577.5	6496.4	5585.0	3107.5	2720.2	3676.5
62.5°	1945.4	2034.9	2117.4	1627.7	3054.0	5017.6	5745.7	5019.2	2595.3	2030.1	2547.1
65°	954.2	1020.7	1109.6	962.3	2385.8	4192.5	4479.7	4055.9	1877.4	1136.4	1299.3
67.5°	249.7	268.4	280.8	373.4	1709.2	3012.2	2921.6	2966.6	1206.0	371.3	339.7
70°	129.7	130.7	130.2	154.3	1155.1	1914.4	2013.5	1862.9	841.7	155.4	133.9
72.5°	92.7	93.2	91.6	103.9	557.8	1096.7	1136.4	1124.1	441.0	92.2	91.6
75°	60.5	61.1	60.0	61.1	84.1	124.8	115.2	121.1	73.4	58.4	58.4
77.5°	35.9	36.4	35.9	37.0	35.9	35.9	33.2	33.2	31.6	31.6	32.1
80°	24.1	24.1	23.6	24.6	22.5	22.5	21.4	20.9	19.3	18.8	18.8
82.5°	14.5	15.0	14.5	14.5	13.4	13.4	12.3	11.8	10.2	10.2	9.6
85°	7.5	7.5	7.0	7.0	5.9	5.4	4.3	4.3	3.2	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°	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2
2.5°	1284.3	1273.6	1257.5	1241.9	1227.5	1212.5	1195.3	1177.7	1162.7	1147.1	1139.1
5°	1362.0	1340.0	1298.2	1261.2	1228.0	1200.7	1171.2	1146.0	1122.5	1103.2	1093.5
7.5°	1432.2	1397.9	1334.6	1276.2	1231.2	1193.7	1153.0	1115.5	1083.9	1060.3	1051.2
10°	1497.0	1456.3	1373.2	1299.3	1246.8	1205.0	1155.1	1104.3	1062.5	1031.4	1023.9
12.5°	1549.5	1502.9	1403.8	1318.0	1255.9	1210.9	1166.9	1123.0	1081.7	1041.6	1035.1
15°	1596.1	1540.9	1426.8	1329.8	1252.7	1195.3	1158.4	1153.0	1153.0	1107.5	1094.6
17.5°	1636.3	1575.7	1445.5	1335.2	1232.3	1149.3	1126.8	1173.4	1225.9	1193.2	1164.3
20°	1682.4	1609.0	1461.1	1335.2	1194.8	1090.9	1088.7	1168.0	1245.7	1246.2	1215.7
22.5°	1729.0	1647.5	1479.3	1330.4	1143.4	1023.3	1063.0	1146.6	1215.7	1245.2	1224.3
25°	1804.5	1701.1	1508.2	1326.6	1083.4	977.3	1040.0	1118.2	1176.6	1207.7	1194.3
27.5°	1900.4	1771.8	1552.2	1332.5	1023.9	949.9	1015.3	1081.2	1134.3	1161.6	1151.9
30°	2007.6	1853.3	1599.3	1342.7	981.0	936.0	985.8	1038.9	1086.0	1113.4	1109.1
32.5°	2144.2	1941.7	1640.0	1328.7	956.9	929.0	954.8	992.8	1038.3	1055.5	1059.2
35°	2307.6	2039.2	1671.1	1274.1	934.9	921.5	921.0	944.6	976.7	1004.1	1006.7
37.5°	2458.2	2153.3	1705.4	1180.3	895.3	902.8	881.4	895.3	926.9	954.2	964.9
40°	2607.1	2269.0	1753.1	1060.9	843.3	861.0	835.8	845.5	870.6	906.5	923.7
42.5°	2751.8	2373.5	1803.4	938.7	791.4	802.6	783.9	793.5	819.7	864.8	884.0
45°	2909.3	2515.0	1842.6	823.5	746.3	741.5	726.5	740.5	780.1	829.4	852.4
47.5°	3207.2	2737.9	1868.3	746.9	722.2	687.4	670.3	700.3	745.3	795.1	823.0
50°	3571.0	3060.4	1860.8	698.1	701.3	631.7	625.8	665.4	713.7	765.6	796.2
52.5°	3859.3	3377.0	1775.6	651.5	660.6	596.3	579.2	637.0	683.1	736.2	767.8
55°	4079.5	3483.7	1514.1	596.3	594.2	570.6	534.7	607.6	652.6	701.9	736.2
57.5°	3900.0	3246.3	1122.5	520.2	507.4	519.7	484.9	557.8	615.1	663.8	694.4
60°	3236.7	2588.4	625.3	460.8	424.3	454.3	449.0	505.2	574.4	625.8	652.0
62.5°	2197.2	1723.6	370.8	364.3	344.0	386.8	415.2	452.2	520.2	562.0	586.7
65°	1095.1	837.4	246.5	272.7	275.4	318.3	371.8	412.6	469.3	512.2	536.9
67.5°	317.7	260.4	187.5	208.4	237.4	271.6	314.5	362.7	417.9	468.8	497.7
70°	137.2	138.8	148.9	173.6	202.0	237.4	280.2	327.4	374.0	413.1	435.1
72.5°	97.0	100.7	112.0	137.2	163.9	197.7	240.6	286.1	319.9	359.5	382.5
75°	62.2	64.8	73.9	93.2	113.1	145.7	186.5	228.2	263.1	291.5	313.4
77.5°	34.3	34.8	42.3	53.6	67.0	87.9	117.9	150.6	176.3	192.3	212.2
80°	19.8	19.8	23.6	30.5	38.6	51.4	68.0	84.1	99.7	109.8	119.5
82.5°	10.7	10.7	12.3	16.6	20.9	28.4	38.0	46.1	55.7	61.1	67.5
85°	3.2	3.2	4.3	5.9	7.5	10.7	15.0	19.3	23.6	27.3	31.1
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°	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2
2.5°	1137.5	1130.0	1125.7	1120.3	1121.9	1117.1	1114.4	1116.0	1106.4	1116.0	1125.7
5°	1089.8	1079.1	1070.5	1063.5	1060.3	1053.9	1050.1	1050.1	1044.2	1053.9	1065.7
7.5°	1048.0	1039.4	1035.1	1030.8	1026.0	1020.1	1013.7	1011.6	1007.8	1018.0	1028.2
10°	1020.1	1021.2	1023.9	1029.8	1028.7	1025.0	1015.3	1010.0	1010.0	1021.7	1037.3
12.5°	1033.0	1044.2	1050.7	1061.4	1063.5	1060.3	1050.7	1046.4	1057.1	1074.8	1100.5
15°	1082.8	1090.3	1095.7	1104.3	1103.7	1101.0	1093.5	1096.7	1132.1	1166.4	1189.4
17.5°	1136.9	1128.4	1127.3	1132.6	1134.3	1131.0	1126.8	1141.2	1199.6	1231.8	1243.6
20°	1176.0	1146.6	1140.1	1142.3	1146.6	1145.0	1145.0	1168.5	1229.1	1244.1	1229.1
22.5°	1187.8	1146.0	1136.4	1136.9	1142.8	1143.4	1146.0	1170.7	1206.0	1206.6	1183.5
25°	1169.1	1128.9	1121.9	1123.0	1130.0	1129.4	1130.5	1144.4	1160.0	1153.5	1136.4
27.5°	1133.7	1098.9	1096.7	1102.6	1111.8	1106.9	1103.7	1107.5	1115.0	1106.9	1091.9
30°	1093.5	1064.1	1065.1	1076.4	1086.0	1078.0	1070.0	1072.1	1072.6	1064.1	1046.9
32.5°	1051.2	1029.2	1033.0	1044.8	1056.0	1047.5	1038.9	1037.8	1027.6	1017.5	1000.8
35°	1008.9	1000.3	1005.1	1014.8	1024.4	1017.5	1012.1	1008.9	986.9	971.9	958.0
37.5°	970.3	976.7	985.3	991.2	994.4	993.9	990.7	983.2	954.2	936.6	918.3
40°	936.0	955.8	964.9	967.6	972.4	971.4	970.8	960.1	922.1	903.3	882.4
42.5°	904.9	932.8	948.3	951.0	953.7	954.2	952.6	937.1	893.7	871.7	851.9
45°	874.9	911.4	931.2	928.5	932.3	932.3	933.9	913.5	865.8	843.3	822.4
47.5°	848.7	891.5	909.8	906.5	908.7	910.3	911.9	888.3	835.3	813.9	792.4
50°	824.6	870.1	885.7	886.7	886.7	890.5	889.9	866.9	809.6	786.5	765.1
52.5°	798.9	848.1	864.8	871.7	873.9	875.5	868.0	841.2	783.3	755.5	735.6
55°	768.8	825.6	840.6	849.8	854.0	853.0	842.8	815.5	756.5	728.7	706.2
57.5°	723.3	777.4	798.9	803.1	810.1	805.8	794.0	771.0	713.7	685.8	662.8
60°	673.5	712.6	729.7	733.5	728.1	729.7	728.1	706.2	656.3	634.4	610.8
62.5°	608.1	642.9	661.2	666.0	656.9	662.8	660.6	633.3	583.5	560.4	539.5
65°	558.8	596.9	618.3	621.0	618.3	621.0	613.5	580.3	533.1	509.5	488.1
67.5°	520.2	559.4	581.9	589.4	586.7	586.1	574.4	535.8	487.0	461.3	434.0
70°	453.8	488.1	517.0	535.2	535.2	525.1	502.6	466.7	427.6	405.6	384.2
72.5°	401.8	445.2	473.6	492.4	496.1	490.2	458.6	420.6	375.6	353.6	331.1
75°	331.1	373.4	404.0	428.6	433.4	427.0	390.6	353.1	311.3	289.9	267.4
77.5°	221.3	246.5	271.1	293.6	288.8	293.1	268.4	240.0	214.3	198.2	188.1
80°	124.8	141.4	148.9	161.3	161.3	161.3	145.2	131.8	117.3	108.2	98.0
82.5°	70.7	81.4	84.7	94.8	97.5	98.0	87.3	78.8	69.7	64.8	57.9
85°	32.7	38.6	39.1	45.0	47.1	51.4	46.6	40.7	35.4	33.2	28.9
87.5°	1.1	3.2	4.3	8.0	10.7	12.3	13.4	13.4	11.3	10.2	8.6
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: P630784

CATALOG NUMBER: GWS-SA1E-735-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2	1201.2
2.5°	1137.5	1150.3	1165.3	1176.0	1195.3	1211.4	1228.0	1246.2	1259.6	1256.4
5°	1080.1	1101.6	1128.9	1154.1	1190.0	1226.4	1266.6	1307.8	1332.0	1330.9
7.5°	1048.0	1078.5	1111.8	1145.5	1187.8	1240.3	1302.0	1366.2	1398.9	1400.5
10°	1065.1	1097.8	1120.3	1148.7	1193.2	1259.1	1333.0	1410.2	1447.7	1455.2
12.5°	1119.3	1116.6	1115.0	1135.3	1188.9	1272.5	1363.0	1455.2	1497.5	1506.6
15°	1170.7	1115.5	1082.3	1096.2	1169.6	1281.1	1392.5	1504.5	1552.2	1561.8
17.5°	1180.3	1096.7	1035.1	1044.8	1139.1	1283.7	1420.9	1552.7	1604.1	1613.2
20°	1153.5	1072.6	1000.8	987.4	1100.5	1276.8	1438.6	1592.9	1649.1	1658.8
22.5°	1119.8	1051.2	975.1	940.3	1053.4	1269.8	1458.4	1635.2	1700.0	1708.6
25°	1084.4	1023.9	951.0	898.0	999.8	1265.5	1491.6	1690.9	1769.2	1779.3
27.5°	1046.9	990.7	930.1	877.6	950.5	1270.9	1538.8	1780.9	1869.9	1884.4
30°	1006.7	957.4	916.7	870.6	916.7	1275.7	1590.7	1873.1	1977.6	1997.9
32.5°	964.9	926.9	902.8	873.9	895.8	1264.4	1636.3	1976.5	2106.2	2123.8
35°	923.2	895.8	885.1	879.8	868.0	1223.2	1673.3	2081.0	2253.0	2268.5
37.5°	884.0	863.7	860.5	866.4	825.1	1155.7	1716.1	2213.9	2397.1	2420.7
40°	847.6	828.9	828.3	827.3	778.0	1063.5	1774.0	2348.9	2539.1	2549.8
42.5°	813.9	790.3	794.6	781.7	739.4	963.9	1828.6	2464.1	2671.4	2678.9
45°	783.9	752.8	757.6	741.5	721.2	859.4	1876.9	2600.2	2839.1	2843.9
47.5°	754.9	721.7	708.3	707.2	718.0	763.0	1924.0	2862.2	3101.7	3110.2
50°	728.1	692.2	654.2	677.8	698.1	690.6	1982.9	3142.9	3372.8	3370.6
52.5°	702.4	655.3	601.1	646.7	646.7	637.0	1966.3	3313.3	3596.7	3633.7
55°	672.9	595.8	546.0	594.7	571.1	588.8	1672.2	3369.0	3737.6	3790.1
57.5°	614.5	522.4	479.0	505.2	469.9	546.0	1201.2	3092.5	3498.1	3591.4
60°	558.3	468.3	439.9	435.1	389.0	445.2	778.5	2421.2	2879.3	2926.5
62.5°	492.4	421.7	397.6	360.6	312.9	324.1	471.5	1593.4	1934.7	1945.4
65°	442.6	382.0	335.9	292.0	256.1	235.2	278.6	768.3	967.1	954.2
67.5°	379.9	327.4	283.4	251.8	222.4	196.1	185.4	228.2	258.2	249.7
70°	338.1	287.7	245.4	215.4	188.1	161.8	143.1	134.5	131.8	129.7
72.5°	291.5	247.5	203.6	174.7	148.9	124.8	107.7	97.5	94.8	92.7
75°	232.5	191.3	151.1	123.8	101.3	84.1	72.9	64.3	62.7	60.5
77.5°	153.8	122.7	90.0	73.4	60.0	50.9	43.4	38.0	37.0	35.9
80°	84.7	70.7	55.2	44.5	35.9	31.1	28.4	25.2	24.6	24.1
82.5°	50.4	42.3	31.6	25.2	20.9	18.8	17.1	15.5	15.0	14.5
85°	25.2	19.8	13.9	11.8	10.7	9.6	9.6	8.0	7.5	7.5
87.5°	6.4	5.4	3.2	2.7	2.7	2.7	2.1	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)