

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: P632271

Luminaire Tested: GWS-SA2C-735-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632271  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-735-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

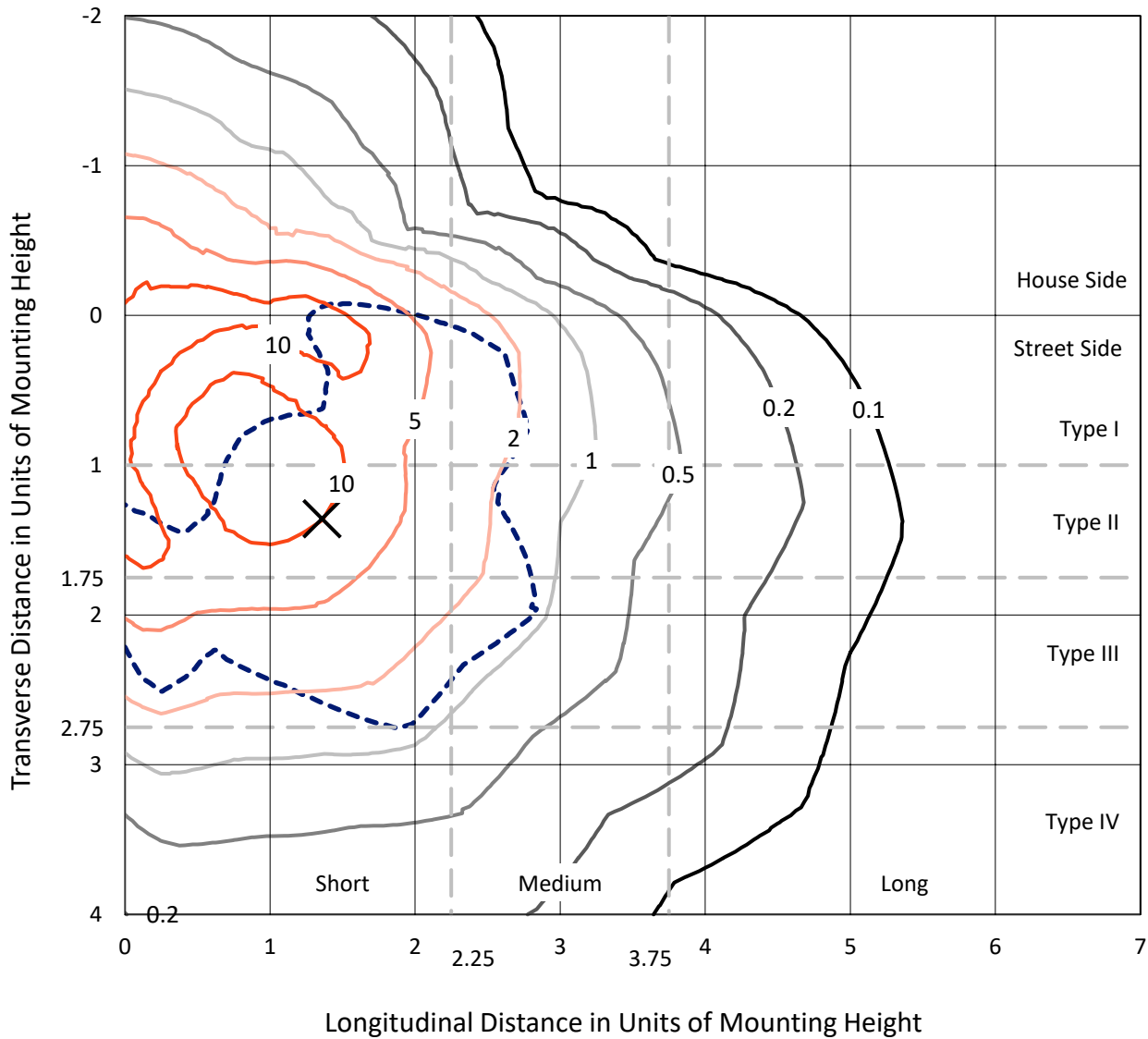
Lumens per Lamp: N/A  
Luminaire Lumens: 8643.2 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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

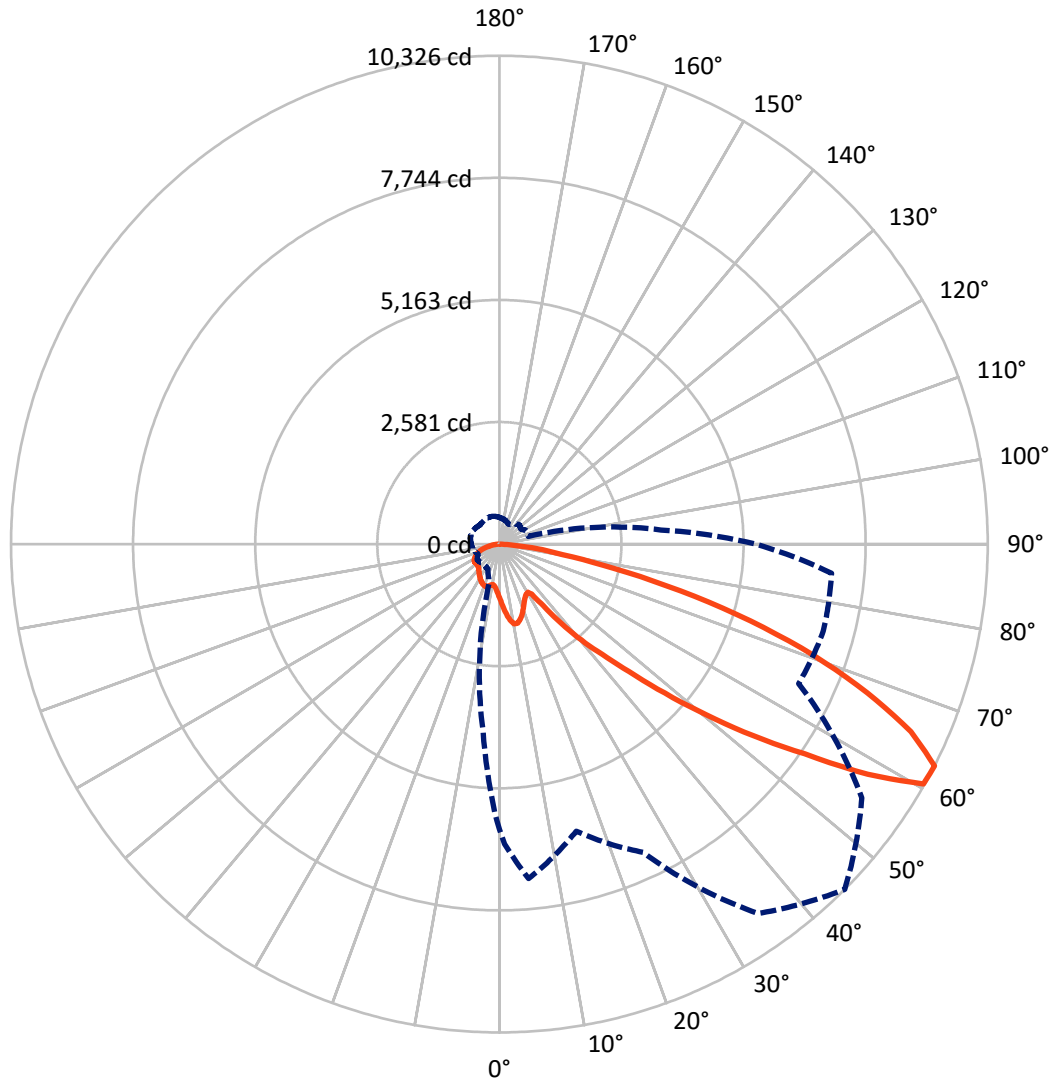
✕ Max cd  
 - - - 1/2 Max cd



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 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2062.4	0.0	2062.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	6580.8	0.0	6580.8
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	8643.2	0.0	8643.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.0	1.3
10°-20°	351.2	4.1
20°-30°	545.5	6.3
30°-40°	740.6	8.6
40°-50°	1173.8	13.6
50°-60°	2070.7	24.0
60°-70°	2303.9	26.7
70°-80°	1168.5	13.5
80°-90°	176.9	2.0
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°	8643.2	100.0
0°-180°	8643.2	100.0

**Coefficient of Utilization**



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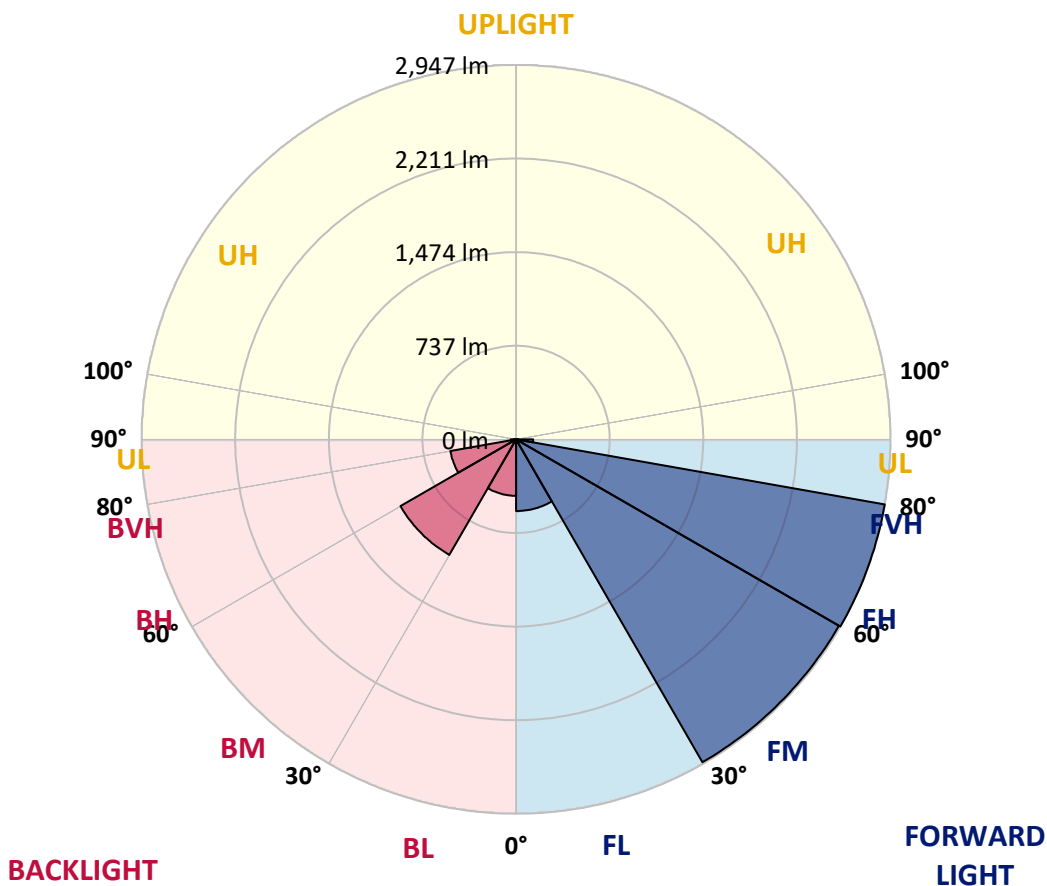
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.3	6.5			
FM (30°-60°)	2934.7	34.0			
FH (60°-80°)	2947.4	34.1			G2/5000
FVH (80°-90°)	134.3	1.6			G2/225
BL (0°-30°)	444.4	5.1	B1/500		
BM (30°-60°)	1050.4	12.2	B2/2500		
BH (60°-80°)	525.0	6.1	B2/1000		G2/1000
BVH (80°-90°)	42.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1
2.5°	1232.9	1232.2	1244.6	1263.6	1281.3	1289.1	1302.2	1300.9	1290.4	1276.7	1272.1
5°	1329.7	1332.3	1353.9	1395.8	1442.3	1461.9	1470.4	1467.1	1448.1	1423.9	1381.4
7.5°	1417.4	1422.0	1455.3	1518.2	1575.7	1601.9	1622.9	1618.9	1591.5	1546.3	1483.5
10°	1481.5	1486.8	1526.7	1600.6	1664.7	1687.6	1714.5	1715.8	1691.6	1630.7	1566.6
12.5°	1545.6	1550.9	1588.2	1655.6	1697.5	1698.1	1713.8	1722.3	1723.6	1695.5	1631.4
15°	1612.4	1617.0	1651.0	1689.0	1687.0	1650.3	1650.3	1666.7	1702.7	1723.0	1678.5
17.5°	1669.3	1675.2	1701.4	1689.0	1630.7	1564.6	1556.8	1577.7	1640.5	1718.4	1713.8
20°	1716.4	1721.0	1735.4	1653.0	1547.0	1460.6	1445.5	1469.7	1554.8	1690.3	1740.7
22.5°	1761.6	1764.2	1756.4	1605.8	1456.7	1357.8	1339.5	1365.0	1456.7	1640.5	1763.6
25°	1815.3	1812.6	1775.3	1556.8	1374.2	1276.7	1257.7	1286.5	1382.1	1574.4	1788.4
27.5°	1877.4	1867.6	1791.7	1503.8	1310.7	1216.5	1203.4	1234.2	1323.2	1513.6	1808.1
30°	1930.4	1911.4	1794.3	1456.7	1278.0	1191.0	1183.1	1211.9	1294.4	1472.4	1832.9
32.5°	1989.3	1963.1	1809.4	1444.2	1296.3	1252.5	1263.0	1264.9	1302.2	1460.6	1870.2
35°	2073.7	2039.7	1850.6	1480.2	1484.8	1558.7	1596.7	1545.6	1420.7	1486.8	1940.9
37.5°	2201.3	2158.1	1934.3	1636.0	1874.1	2039.7	2131.3	2014.8	1780.6	1585.6	2047.6
40°	2356.4	2301.5	2041.7	1923.9	2238.0	2503.0	2665.9	2495.2	2150.9	1832.3	2197.4
42.5°	2573.0	2515.4	2249.8	2206.6	2575.0	2969.6	3182.3	2927.7	2477.5	2150.9	2437.6
45°	2950.6	2895.0	2631.3	2489.9	2969.6	3544.1	3842.5	3488.5	2809.3	2470.9	2886.5
47.5°	3648.2	3582.7	3198.0	2804.0	3419.8	4290.1	4707.6	4192.0	3154.1	2837.4	3640.3
50°	4485.8	4423.0	3909.3	3175.7	3917.1	5087.8	5668.2	5018.4	3551.3	3283.0	4541.4
52.5°	5493.5	5481.7	4924.2	3645.6	4434.7	5938.5	6734.2	5933.9	3986.5	3883.1	5562.2
55°	6401.8	6517.0	6213.3	4362.1	5103.5	7007.1	7830.3	6932.5	4576.7	4875.1	6757.8
57.5°	6891.3	7200.8	7667.4	5824.0	6075.9	8284.5	9182.9	8151.6	5591.0	6526.8	7866.3
60°	6568.0	6918.8	7764.2	6924.7	7040.5	9307.9	10299.3	9176.4	6587.0	7673.3	7803.5
62.5°	6030.1	6344.9	7096.8	6282.1	7189.7	9533.0	10325.5	9355.0	6982.9	7091.5	7049.0
65°	5392.1	5709.5	6505.9	5483.7	6715.3	8998.4	9563.8	8829.6	6271.6	6407.0	6422.7
67.5°	4544.7	4837.8	5648.6	4875.8	6121.1	8213.8	8394.4	8080.9	5775.6	5991.5	5765.7
70°	3395.6	3660.0	4375.8	3962.3	5159.8	7191.6	7045.7	7092.2	5218.7	5433.3	4816.2
72.5°	2320.4	2519.4	3133.2	3113.5	3951.1	5757.2	5553.7	5994.1	4358.8	4643.5	3671.7
75°	1622.9	1778.0	2264.8	2459.8	2986.6	4267.2	3955.1	4486.4	3404.1	3810.5	2679.0
77.5°	996.0	1098.7	1430.5	1822.4	1921.3	2920.5	2456.5	3375.9	2390.5	2779.2	1787.1
80°	498.0	547.7	695.0	1145.8	1274.1	1721.0	1356.5	1959.9	1617.6	1721.0	988.8
82.5°	150.5	166.2	203.5	435.2	660.3	990.7	801.6	1138.6	883.4	806.9	389.4
85°	39.9	45.2	56.3	128.9	231.7	355.3	270.9	551.6	423.4	297.7	146.6
87.5°	3.3	3.3	2.6	2.6	1.3	0.0	0.0	39.3	79.2	45.2	25.5
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1
2.5°	1249.2	1246.6	1219.8	1200.1	1177.2	1155.0	1132.1	1111.8	1088.9	1066.0	1059.4
5°	1350.0	1331.7	1274.7	1227.0	1179.8	1138.6	1102.6	1065.3	1035.2	1005.8	994.7
7.5°	1439.0	1406.9	1324.5	1251.8	1186.4	1135.4	1082.3	1028.0	985.5	943.6	933.1
10°	1519.5	1476.9	1372.9	1281.3	1208.6	1150.4	1088.2	1015.6	954.1	903.0	889.3
12.5°	1579.0	1532.6	1414.8	1309.4	1227.0	1161.5	1100.0	1035.9	971.1	905.0	890.0
15°	1626.1	1577.7	1449.5	1331.0	1227.6	1143.2	1083.7	1061.4	1041.1	976.3	948.9
17.5°	1664.1	1613.0	1479.6	1344.1	1209.9	1087.6	1035.9	1068.6	1120.3	1079.7	1028.0
20°	1698.8	1647.1	1502.5	1353.3	1170.7	1011.0	982.2	1051.6	1129.5	1128.2	1081.7
22.5°	1736.7	1686.3	1535.8	1358.5	1115.7	933.1	950.2	1026.7	1090.2	1109.2	1080.4
25°	1785.2	1740.7	1582.3	1370.3	1053.6	879.5	926.6	994.7	1047.7	1052.2	1035.2
27.5°	1841.4	1808.1	1651.7	1397.8	993.3	852.0	899.1	949.5	997.9	999.9	979.6
30°	1902.9	1880.7	1715.8	1420.7	948.2	843.5	863.8	904.4	935.1	940.3	922.7
32.5°	1981.5	1961.8	1772.7	1405.6	921.4	841.5	831.1	852.0	877.5	877.5	863.8
35°	2089.4	2062.0	1832.9	1348.0	888.6	833.7	796.4	802.3	813.4	815.4	807.5
37.5°	2242.6	2197.4	1893.8	1234.2	835.0	805.5	756.5	749.3	753.2	758.4	756.5
40°	2432.3	2358.4	1982.8	1097.4	770.9	751.2	715.2	701.5	698.2	708.7	712.6
42.5°	2671.2	2558.0	2078.3	969.8	712.6	689.1	666.8	655.0	649.8	667.5	677.9
45°	3052.7	2866.2	2169.9	843.5	679.9	636.1	621.0	612.5	615.1	636.1	649.1
47.5°	3711.6	3336.7	2257.0	763.7	677.3	598.1	579.8	581.7	588.9	611.2	626.9
50°	4545.3	3966.9	2315.2	730.3	685.1	575.2	551.0	561.5	572.6	594.2	612.5
52.5°	5394.1	4553.8	2245.8	712.0	684.5	575.9	524.2	555.6	560.8	582.4	602.0
55°	5977.8	4619.3	1940.2	683.8	674.0	602.0	503.2	553.0	556.2	575.9	593.5
57.5°	6200.3	4395.5	1479.6	691.7	642.6	622.3	494.1	534.6	558.2	575.2	593.5
60°	5931.3	3973.4	899.1	712.0	592.2	621.0	499.9	501.3	541.8	570.6	588.9
62.5°	5424.2	3431.6	631.5	654.4	555.6	586.3	513.7	462.0	513.0	547.7	564.1
65°	4843.1	2794.2	481.6	563.4	537.9	532.7	518.3	427.3	473.8	507.8	522.2
67.5°	4237.8	2171.9	391.3	420.1	486.2	481.6	473.8	396.6	427.3	451.5	467.9
70°	3475.4	1519.5	330.5	315.4	416.8	431.9	414.2	357.9	367.8	392.6	405.7
72.5°	2542.3	946.9	271.6	260.4	335.0	377.6	368.4	315.4	320.0	343.5	354.0
75°	1828.3	541.8	217.9	214.6	255.9	323.3	304.9	271.6	276.8	294.5	301.7
77.5°	1162.2	301.7	168.2	172.8	183.2	241.5	260.4	232.3	232.3	242.8	248.7
80°	622.3	172.8	123.0	125.0	128.3	184.5	205.5	180.0	180.0	172.8	180.0
82.5°	253.9	99.5	84.4	78.5	85.7	126.3	144.0	114.5	119.8	108.0	110.6
85°	83.8	49.7	41.9	41.2	40.6	55.6	69.4	56.9	68.1	43.2	45.2
87.5°	11.1	9.2	5.2	3.9	4.6	2.0	3.9	4.6	4.6	3.3	3.3
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°	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1
2.5°	1054.9	1049.6	1030.6	1035.2	1032.0	1026.7	1032.0	1022.1	1030.0	1032.6	1049.0
5°	986.2	973.7	955.4	946.2	944.3	939.0	939.7	935.1	936.4	947.5	965.9
7.5°	924.6	912.9	898.5	891.9	886.0	880.1	879.5	878.8	884.1	893.9	911.6
10°	880.1	873.6	867.7	870.3	867.7	865.1	860.5	860.5	869.0	886.7	908.3
12.5°	880.1	878.8	880.1	888.0	887.3	888.0	882.1	885.4	908.9	939.0	969.8
15°	927.3	916.8	916.8	920.7	919.4	919.4	919.4	933.1	986.8	1033.3	1066.0
17.5°	984.8	954.1	941.0	939.0	938.4	938.4	941.0	970.4	1054.2	1103.3	1122.3
20°	1024.8	966.5	944.9	936.4	937.1	938.4	946.2	986.8	1079.1	1103.9	1099.4
22.5°	1032.0	956.7	930.5	918.1	920.1	921.4	933.1	976.3	1045.0	1049.0	1039.8
25°	998.6	929.2	901.1	891.3	893.9	893.2	903.7	935.1	984.2	982.9	977.6
27.5°	948.9	885.4	864.4	857.9	862.5	857.2	860.5	884.7	922.7	921.4	919.4
30°	897.8	842.8	823.9	820.6	826.5	818.6	819.3	839.6	865.7	864.4	863.8
32.5°	846.8	800.3	783.3	783.3	789.2	780.7	782.0	799.7	817.3	812.1	812.1
35°	798.3	765.6	751.9	749.3	753.8	748.0	750.6	766.9	773.5	766.3	761.7
37.5°	755.8	741.4	727.7	718.5	719.2	719.8	727.7	740.1	736.2	725.7	719.8
40°	716.5	716.5	703.5	686.4	684.5	689.1	702.2	715.9	704.8	693.0	685.8
42.5°	688.4	694.3	681.9	664.9	660.9	668.8	683.2	693.0	679.9	666.8	657.0
45°	662.2	676.6	668.1	649.1	643.9	653.1	671.4	675.3	657.7	645.2	638.0
47.5°	643.9	663.5	657.7	639.3	631.5	644.6	663.5	662.9	640.6	627.6	621.7
50°	630.8	655.7	655.0	639.3	630.8	647.2	664.2	655.7	631.5	617.7	611.8
52.5°	620.4	655.0	659.6	650.5	644.6	659.0	669.4	653.1	624.9	610.5	606.0
55°	615.8	657.7	660.9	652.4	647.2	660.3	669.4	658.3	624.9	611.8	607.9
57.5°	617.1	654.4	655.0	643.3	634.1	650.5	664.9	661.6	632.1	617.1	612.5
60°	609.2	636.7	638.0	619.7	609.2	628.9	654.4	652.4	628.9	613.2	604.6
62.5°	583.1	607.3	607.9	590.9	575.9	604.0	632.1	631.5	609.9	594.2	584.4
65°	539.2	564.7	571.3	554.9	543.1	573.2	602.7	601.4	579.8	565.4	555.6
67.5°	484.9	512.4	524.8	513.7	509.1	536.6	564.1	563.4	545.8	532.0	523.5
70°	418.8	441.7	462.6	462.6	459.4	490.8	520.2	517.6	501.3	490.8	484.2
72.5°	363.8	381.5	388.0	394.6	404.4	437.1	462.0	464.0	452.2	446.9	452.2
75°	309.5	320.6	326.5	321.3	338.3	372.3	405.1	408.3	395.9	387.4	389.4
77.5°	254.6	267.0	272.9	261.1	259.8	303.0	342.9	350.1	339.6	326.5	330.5
80°	183.9	200.2	210.1	202.2	199.6	218.6	273.5	281.4	271.6	261.1	267.0
82.5°	112.6	121.7	124.3	132.2	148.5	156.4	176.0	202.2	195.0	185.8	202.2
85°	44.5	53.0	58.9	66.7	77.9	92.3	108.6	129.6	117.8	113.9	134.1
87.5°	2.6	0.7	0.0	1.3	11.1	21.6	46.5	64.1	53.7	57.6	69.4
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: P632271  
 CATALOG NUMBER: GWS-SA2C-735-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1
2.5°	1062.1	1079.1	1102.0	1121.0	1145.2	1168.1	1191.6	1215.2	1227.6	1232.9
5°	986.8	1018.2	1054.9	1095.4	1142.5	1192.3	1242.7	1294.4	1327.1	1329.7
7.5°	941.7	986.8	1037.2	1088.2	1146.5	1215.2	1295.0	1374.9	1408.2	1417.4
10°	956.1	1006.4	1046.4	1094.1	1158.3	1244.0	1338.2	1431.8	1470.4	1481.5
12.5°	1013.6	1023.5	1035.9	1079.7	1158.3	1268.8	1382.7	1494.0	1535.2	1545.6
15°	1061.4	1014.3	992.0	1038.5	1142.5	1290.4	1429.8	1552.8	1602.6	1612.4
17.5°	1065.3	984.2	935.8	977.6	1115.1	1305.5	1475.0	1618.3	1660.2	1669.3
20°	1025.4	952.1	889.3	914.8	1077.8	1312.0	1507.7	1666.1	1707.3	1716.4
22.5°	980.3	925.9	857.9	856.6	1032.6	1319.2	1547.0	1711.2	1755.7	1761.6
25°	937.7	890.0	832.4	814.0	980.3	1333.0	1600.0	1779.3	1813.3	1815.3
27.5°	888.0	851.3	812.1	794.4	934.5	1359.1	1678.5	1860.4	1880.7	1877.4
30°	842.8	815.4	797.7	792.5	905.7	1378.8	1753.1	1940.2	1941.5	1930.4
32.5°	795.1	784.6	784.6	801.6	882.1	1374.2	1813.9	2018.1	2005.7	1989.3
35°	752.5	754.5	768.2	808.2	842.8	1328.4	1872.2	2115.6	2097.3	2073.7
37.5°	712.0	727.0	746.6	785.3	791.1	1260.3	1940.2	2253.7	2230.8	2201.3
40°	677.3	700.2	723.1	742.1	736.2	1163.5	2035.1	2416.0	2390.5	2356.4
42.5°	649.8	672.0	697.6	699.5	701.5	1062.7	2135.9	2614.9	2610.3	2573.0
45°	632.1	646.5	670.7	667.5	699.5	951.5	2228.8	2918.5	2978.7	2950.6
47.5°	620.4	631.5	634.1	647.8	716.5	852.0	2348.6	3512.7	3680.2	3648.2
50°	613.8	624.9	595.5	649.1	719.2	787.9	2514.1	4258.7	4528.3	4485.8
52.5°	613.2	610.5	566.0	662.9	704.8	748.6	2600.5	4803.2	5401.3	5493.5
55°	614.5	581.7	551.0	666.8	676.0	734.2	2311.3	5064.9	6206.8	6401.8
57.5°	602.7	550.3	559.5	651.1	621.7	772.8	1708.6	4971.3	6528.8	6891.3
60°	580.4	520.2	575.2	608.6	566.0	706.7	1176.6	4553.8	6195.0	6568.0
62.5°	548.4	499.3	573.2	553.6	545.8	578.5	808.8	3969.5	5665.6	6030.1
65°	512.4	482.3	542.5	500.6	505.2	445.0	571.9	3309.9	5033.5	5392.1
67.5°	473.8	471.8	497.3	445.6	426.7	352.7	416.8	2652.9	4221.4	4544.7
70°	429.9	444.3	452.2	395.9	346.2	276.8	309.5	1855.2	3114.2	3395.6
72.5°	386.1	387.4	398.5	344.2	259.1	221.8	232.3	1123.6	2115.6	2320.4
75°	341.6	329.2	339.6	280.1	193.0	181.9	179.3	694.3	1461.2	1622.9
77.5°	293.8	280.1	266.3	210.7	155.1	140.7	137.4	389.4	896.5	996.0
80°	238.8	220.5	198.9	154.4	113.2	100.8	100.1	189.8	446.9	498.0
82.5°	185.8	151.2	145.3	96.2	70.0	61.5	65.4	72.6	134.8	150.5
85°	130.2	109.9	77.2	38.6	31.4	25.5	24.9	21.6	36.0	39.9
87.5°	72.6	47.8	24.9	4.6	5.2	5.9	4.6	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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