

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: P632436

Luminaire Tested: GWS-SA2C-760-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632436  
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-760-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

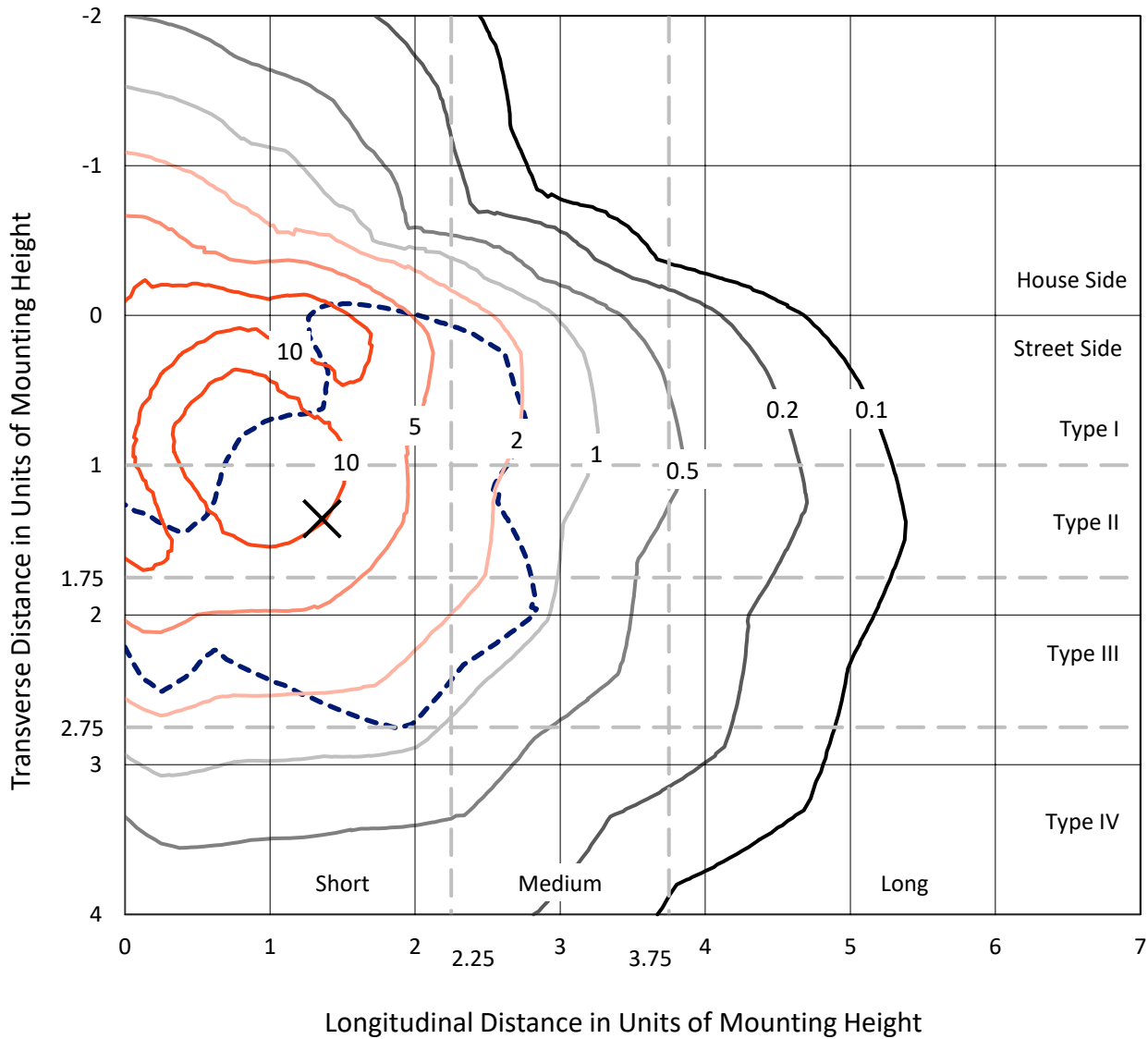
Lumens per Lamp: N/A  
Luminaire Lumens: 8841.3 lumens  
Efficiency: N/A  
Efficacy: 139.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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

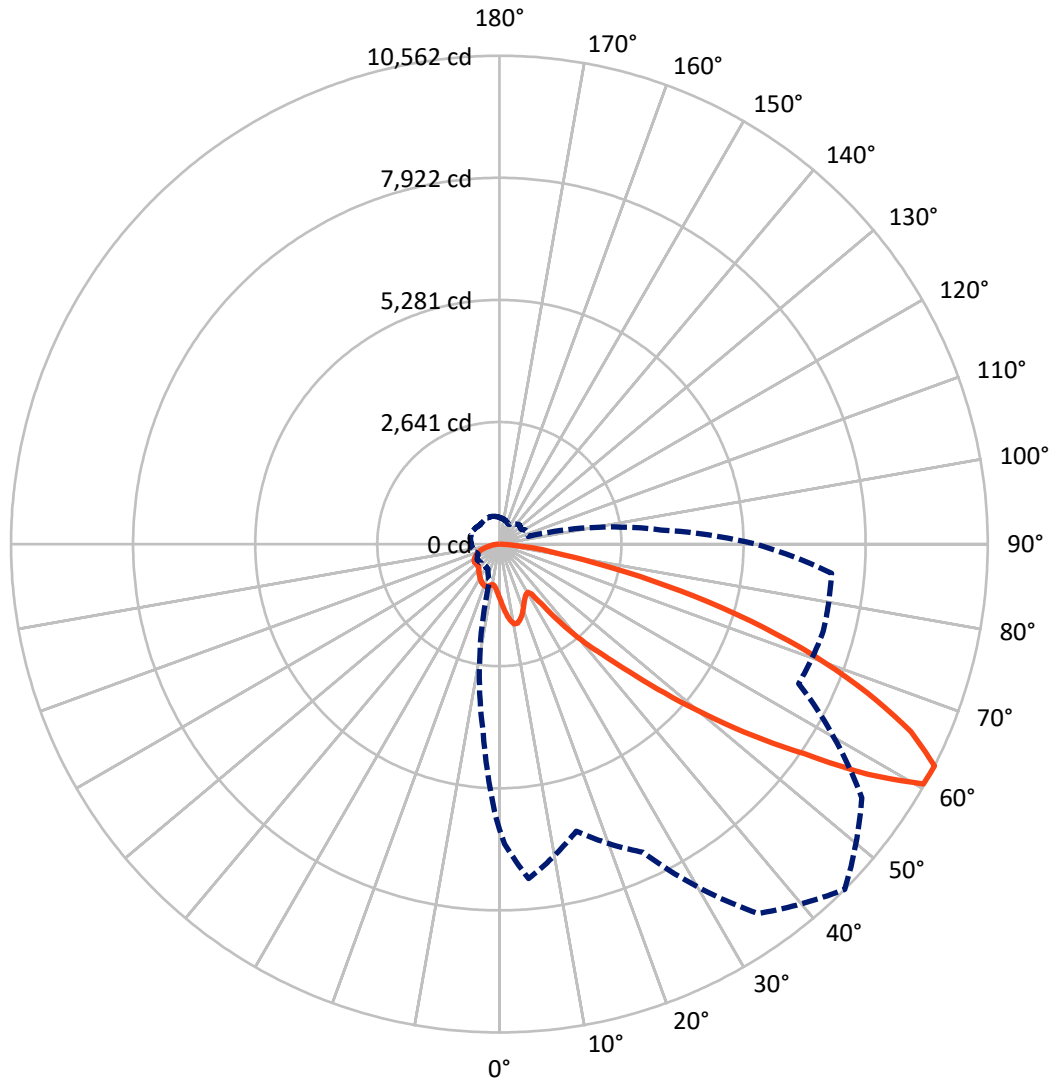
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 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	2109.7	0.0	2109.7
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	6731.6	0.0	6731.6
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	8841.3	0.0	8841.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.6	1.3
10°-20°	359.2	4.1
20°-30°	558.0	6.3
30°-40°	757.6	8.6
40°-50°	1200.8	13.6
50°-60°	2118.1	24.0
60°-70°	2356.7	26.7
70°-80°	1195.2	13.5
80°-90°	181.0	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°	8841.3	100.0
0°-180°	8841.3	100.0

**Coefficient of Utilization**



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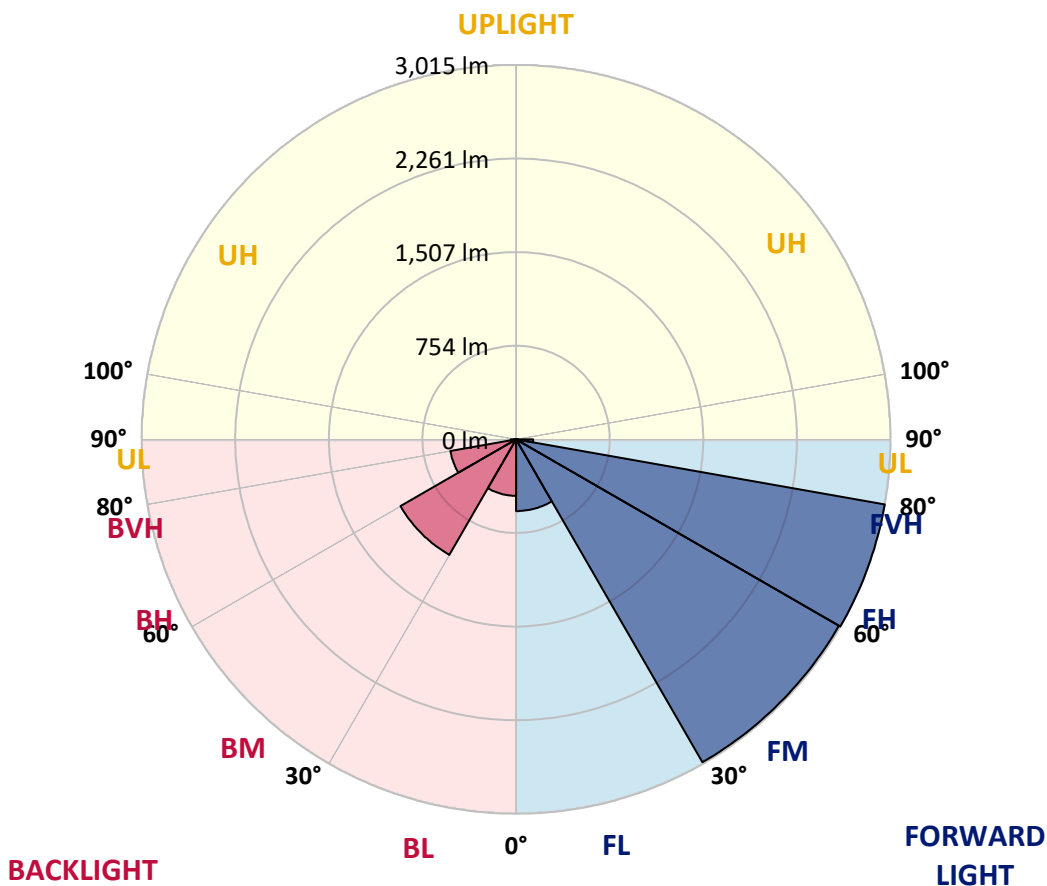
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.3	6.5			
FM (30°-60°)	3002.0	34.0			
FH (60°-80°)	3015.0	34.1			G2/5000
FVH (80°-90°)	137.4	1.6			G2/225
BL (0°-30°)	454.6	5.1	B1/500		
BM (30°-60°)	1074.5	12.2	B2/2500		
BH (60°-80°)	537.0	6.1	B2/1000		G2/1000
BVH (80°-90°)	43.6	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°	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4
2.5°	1261.1	1260.4	1273.2	1292.6	1310.6	1318.7	1332.1	1330.7	1320.0	1306.0	1301.3
5°	1360.2	1362.9	1384.9	1427.8	1475.3	1495.4	1504.1	1500.7	1481.3	1456.6	1413.1
7.5°	1449.9	1454.6	1488.7	1553.0	1611.9	1638.6	1660.1	1656.0	1627.9	1581.7	1517.5
10°	1515.5	1520.8	1561.7	1637.3	1702.9	1726.3	1753.8	1755.1	1730.3	1668.1	1602.5
12.5°	1581.1	1586.4	1624.6	1693.5	1736.4	1737.0	1753.1	1761.8	1763.1	1734.4	1668.8
15°	1649.3	1654.0	1688.8	1727.7	1725.7	1688.2	1688.2	1704.9	1741.7	1762.5	1717.0
17.5°	1707.6	1713.6	1740.4	1727.7	1668.1	1600.5	1592.5	1613.9	1678.1	1757.8	1753.1
20°	1755.8	1760.5	1775.2	1690.9	1582.4	1494.1	1478.7	1503.4	1590.4	1729.0	1780.5
22.5°	1802.0	1804.6	1796.6	1642.7	1490.0	1389.0	1370.2	1396.3	1490.0	1678.1	1804.0
25°	1856.9	1854.2	1816.0	1592.5	1405.7	1306.0	1286.5	1316.0	1413.7	1610.5	1829.4
27.5°	1920.4	1910.4	1832.8	1538.2	1340.8	1244.4	1231.0	1262.4	1353.5	1548.3	1849.5
30°	1974.7	1955.3	1835.4	1490.0	1307.3	1218.3	1210.2	1239.7	1324.0	1506.1	1874.9
32.5°	2034.9	2008.1	1850.8	1477.3	1326.0	1281.2	1291.9	1293.9	1332.1	1494.1	1913.1
35°	2121.3	2086.5	1893.0	1514.1	1518.8	1594.5	1633.3	1581.1	1453.2	1520.8	1985.4
37.5°	2251.8	2207.6	1978.7	1673.4	1917.1	2086.5	2180.2	2061.0	1821.4	1621.9	2094.5
40°	2410.4	2354.2	2088.5	1968.0	2289.3	2560.4	2727.0	2552.3	2200.2	1874.3	2247.8
42.5°	2632.0	2573.1	2301.3	2257.1	2634.0	3037.6	3255.2	2994.8	2534.3	2200.2	2493.4
45°	3018.2	2961.3	2691.6	2547.0	3037.6	3625.4	3930.6	3568.5	2873.6	2527.6	2952.6
47.5°	3731.8	3664.8	3271.3	2868.3	3498.2	4388.4	4815.5	4288.0	3226.4	2902.4	3723.8
50°	4588.6	4524.3	3998.9	3248.5	4006.9	5204.4	5798.2	5133.5	3632.7	3358.3	4645.5
52.5°	5619.4	5607.4	5037.1	3729.1	4536.4	6074.6	6888.6	6069.9	4077.9	3972.1	5689.7
55°	6548.5	6666.3	6355.8	4462.1	5220.5	7167.7	8009.8	7091.4	4681.6	4986.9	6912.7
57.5°	7049.2	7365.8	7843.1	5957.5	6215.2	8474.3	9393.4	8338.5	5719.2	6676.4	8046.6
60°	6718.6	7077.3	7942.2	7083.4	7201.8	9521.2	10535.4	9386.7	6738.0	7849.1	7982.3
62.5°	6168.3	6490.3	7259.4	6426.0	7354.5	9751.5	10562.1	9569.4	7142.9	7254.1	7210.5
65°	5515.7	5840.3	6655.0	5609.4	6869.2	9204.6	9783.0	9031.9	6415.3	6553.9	6570.0
67.5°	4648.8	4948.7	5778.1	4987.5	6261.4	8402.0	8586.8	8266.2	5907.9	6128.8	5897.9
70°	3473.4	3743.8	4476.1	4053.1	5278.1	7356.5	7207.2	7254.7	5338.3	5557.9	4926.6
72.5°	2373.6	2577.1	3205.0	3184.9	4041.7	5889.2	5681.0	6131.5	4458.7	4749.9	3755.9
75°	1660.1	1818.7	2316.7	2516.2	3055.0	4365.0	4045.7	4589.3	3482.1	3897.8	2740.4
77.5°	1018.8	1123.9	1463.3	1864.2	1965.3	2987.4	2512.8	3453.3	2445.2	2842.9	1828.1
80°	509.4	560.3	710.9	1172.1	1303.3	1760.5	1387.6	2004.8	1654.7	1760.5	1011.4
82.5°	154.0	170.0	208.2	445.1	675.4	1013.4	820.0	1164.7	903.7	825.3	398.3
85°	40.8	46.2	57.6	131.9	237.0	363.5	277.1	564.3	433.1	304.6	149.9
87.5°	3.3	3.3	2.7	2.7	1.3	0.0	0.0	40.2	81.0	46.2	26.1
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°	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4
2.5°	1277.8	1275.2	1247.7	1227.6	1204.2	1181.5	1158.0	1137.3	1113.8	1090.4	1083.7
5°	1380.9	1362.2	1303.9	1255.1	1206.9	1164.7	1127.9	1089.7	1059.0	1028.8	1017.5
7.5°	1472.0	1439.2	1354.8	1280.5	1213.6	1161.4	1107.2	1051.6	1008.1	965.2	954.5
10°	1554.3	1510.8	1404.4	1310.6	1236.3	1176.8	1113.2	1038.9	976.0	923.7	909.7
12.5°	1615.2	1567.7	1447.2	1339.4	1255.1	1188.1	1125.2	1059.6	993.4	925.8	910.4
15°	1663.4	1613.9	1482.7	1361.5	1255.8	1169.4	1108.5	1085.7	1065.0	998.7	970.6
17.5°	1702.2	1650.0	1513.5	1374.9	1237.7	1112.5	1059.6	1093.1	1146.0	1104.5	1051.6
20°	1737.7	1684.8	1536.9	1384.3	1197.5	1034.2	1004.7	1075.7	1155.3	1154.0	1106.5
22.5°	1776.5	1725.0	1571.0	1389.6	1141.3	954.5	971.9	1050.3	1115.2	1134.6	1105.1
25°	1826.1	1780.5	1618.6	1401.7	1077.7	899.6	947.8	1017.5	1071.7	1076.4	1059.0
27.5°	1883.6	1849.5	1689.5	1429.8	1016.1	871.5	919.7	971.3	1020.8	1022.8	1002.1
30°	1946.6	1923.8	1755.1	1453.2	969.9	862.8	883.6	925.1	956.5	961.9	943.8
32.5°	2026.9	2006.8	1813.3	1437.8	942.5	860.8	850.1	871.5	897.6	897.6	883.6
35°	2137.3	2109.2	1874.9	1378.9	909.0	852.8	814.6	820.7	832.0	834.0	826.0
37.5°	2294.0	2247.8	1937.2	1262.4	854.1	824.0	773.8	766.4	770.5	775.8	773.8
40°	2488.1	2412.4	2028.2	1122.5	788.5	768.4	731.6	717.6	714.2	724.9	729.0
42.5°	2732.4	2616.6	2125.9	992.0	729.0	704.9	682.1	670.0	664.7	682.8	693.5
45°	3122.7	2931.9	2219.7	862.8	695.5	650.6	635.2	626.5	629.2	650.6	664.0
47.5°	3796.7	3413.2	2308.7	781.2	692.8	611.8	593.1	595.1	602.4	625.2	641.3
50°	4649.5	4057.8	2368.3	747.0	700.8	588.4	563.6	574.3	585.7	607.8	626.5
52.5°	5517.7	4658.2	2297.3	728.3	700.2	589.1	536.2	568.3	573.7	595.7	615.8
55°	6114.8	4725.1	1984.7	699.5	689.5	615.8	514.8	565.6	569.0	589.1	607.1
57.5°	6342.4	4496.2	1513.5	707.5	657.3	636.6	505.4	546.9	571.0	588.4	607.1
60°	6067.2	4064.5	919.7	728.3	605.8	635.2	511.4	512.7	554.2	583.7	602.4
62.5°	5548.5	3510.2	646.0	669.4	568.3	599.8	525.5	472.6	524.8	560.3	577.0
65°	4954.1	2858.2	492.7	576.3	550.2	544.9	530.1	437.1	484.6	519.4	534.2
67.5°	4334.9	2221.7	400.3	429.7	497.3	492.7	484.6	405.6	437.1	461.9	478.6
70°	3555.1	1554.3	338.0	322.6	426.4	441.8	423.7	366.2	376.2	401.6	415.0
72.5°	2600.5	968.6	277.8	266.4	342.7	386.2	376.9	322.6	327.3	351.4	362.1
75°	1870.2	554.2	222.9	219.6	261.7	330.7	311.9	277.8	283.1	301.2	308.6
77.5°	1188.8	308.6	172.0	176.7	187.4	247.0	266.4	237.6	237.6	248.3	254.4
80°	636.6	176.7	125.8	127.9	131.2	188.8	210.2	184.1	184.1	176.7	184.1
82.5°	259.7	101.7	86.3	80.3	87.7	129.2	147.3	117.1	122.5	110.4	113.1
85°	85.7	50.9	42.8	42.2	41.5	56.9	71.0	58.2	69.6	44.2	46.2
87.5°	11.4	9.4	5.4	4.0	4.7	2.0	4.0	4.7	4.7	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°	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4
2.5°	1079.0	1073.7	1054.3	1059.0	1055.6	1050.3	1055.6	1045.6	1053.6	1056.3	1073.0
5°	1008.8	996.0	977.3	967.9	965.9	960.6	961.2	956.5	957.9	969.3	988.0
7.5°	945.8	933.8	919.1	912.4	906.3	900.3	899.6	899.0	904.3	914.4	932.4
10°	900.3	893.6	887.6	890.3	887.6	884.9	880.2	880.2	888.9	907.0	929.1
12.5°	900.3	899.0	900.3	908.3	907.7	908.3	902.3	905.7	929.8	960.6	992.0
15°	948.5	937.8	937.8	941.8	940.5	940.5	940.5	954.5	1009.4	1056.9	1090.4
17.5°	1007.4	976.0	962.6	960.6	959.9	959.9	962.6	992.7	1078.4	1128.6	1148.0
20°	1048.2	988.7	966.6	957.9	958.6	959.9	967.9	1009.4	1103.8	1129.2	1124.6
22.5°	1055.6	978.6	951.9	939.1	941.1	942.5	954.5	998.7	1069.0	1073.0	1063.6
25°	1021.5	950.5	921.7	911.7	914.4	913.7	924.4	956.5	1006.7	1005.4	1000.1
27.5°	970.6	905.7	884.2	877.6	882.2	876.9	880.2	905.0	943.8	942.5	940.5
30°	918.4	862.2	842.7	839.4	845.4	837.4	838.1	858.8	885.6	884.2	883.6
32.5°	866.2	818.7	801.2	801.2	807.3	798.6	799.9	818.0	836.1	830.7	830.7
35°	816.6	783.2	769.1	766.4	771.1	765.1	767.8	784.5	791.2	783.8	779.2
37.5°	773.1	758.4	744.3	735.0	735.6	736.3	744.3	757.1	753.1	742.3	736.3
40°	733.0	733.0	719.6	702.2	700.2	704.9	718.2	732.3	720.9	708.9	701.5
42.5°	704.2	710.2	697.5	680.1	676.1	684.1	698.8	708.9	695.5	682.1	672.1
45°	677.4	692.1	683.4	664.0	658.7	668.0	686.8	690.8	672.7	660.0	652.6
47.5°	658.7	678.8	672.7	654.0	646.0	659.3	678.8	678.1	655.3	641.9	635.9
50°	645.3	670.7	670.0	654.0	645.3	662.0	679.4	670.7	646.0	631.9	625.9
52.5°	634.6	670.0	674.7	665.4	659.3	674.1	684.8	668.0	639.3	624.5	619.8
55°	629.9	672.7	676.1	667.4	662.0	675.4	684.8	673.4	639.3	625.9	621.9
57.5°	631.2	669.4	670.0	658.0	648.6	665.4	680.1	676.7	646.6	631.2	626.5
60°	623.2	651.3	652.6	633.9	623.2	643.3	669.4	667.4	643.3	627.2	618.5
62.5°	596.4	621.2	621.9	604.4	589.1	617.8	646.6	646.0	623.9	607.8	597.8
65°	551.6	577.7	584.4	567.6	555.6	586.4	616.5	615.2	593.1	578.3	568.3
67.5°	496.0	524.1	536.8	525.5	520.8	548.9	577.0	576.3	558.3	544.2	535.5
70°	428.4	451.8	473.3	473.3	469.9	502.0	532.2	529.5	512.7	502.0	495.3
72.5°	372.2	390.2	396.9	403.6	413.7	447.1	472.6	474.6	462.5	457.2	462.5
75°	316.6	328.0	334.0	328.7	346.1	380.9	414.3	417.7	405.0	396.3	398.3
77.5°	260.4	273.1	279.1	267.1	265.7	309.9	350.8	358.1	347.4	334.0	338.0
80°	188.1	204.8	214.9	206.8	204.2	223.6	279.8	287.8	277.8	267.1	273.1
82.5°	115.1	124.5	127.2	135.2	151.9	160.0	180.1	206.8	199.5	190.1	206.8
85°	45.5	54.2	60.2	68.3	79.7	94.4	111.1	132.5	120.5	116.5	137.2
87.5°	2.7	0.7	0.0	1.3	11.4	22.1	47.5	65.6	54.9	58.9	71.0
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: P632436  
 CATALOG NUMBER: GWS-SA2C-760-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4	1173.4
2.5°	1086.4	1103.8	1127.2	1146.6	1171.4	1194.8	1218.9	1243.0	1255.8	1261.1
5°	1009.4	1041.6	1079.0	1120.5	1168.7	1219.6	1271.2	1324.0	1357.5	1360.2
7.5°	963.2	1009.4	1061.0	1113.2	1172.8	1243.0	1324.7	1406.4	1440.5	1449.9
10°	978.0	1029.5	1070.3	1119.2	1184.8	1272.5	1368.9	1464.6	1504.1	1515.5
12.5°	1036.9	1046.9	1059.6	1104.5	1184.8	1297.9	1414.4	1528.2	1570.4	1581.1
15°	1085.7	1037.5	1014.8	1062.3	1168.7	1320.0	1462.6	1588.4	1639.3	1649.3
17.5°	1089.7	1006.7	957.2	1000.1	1140.6	1335.4	1508.8	1655.4	1698.2	1707.6
20°	1048.9	973.9	909.7	935.8	1102.5	1342.1	1542.2	1704.2	1746.4	1755.8
22.5°	1002.7	947.2	877.6	876.2	1056.3	1349.5	1582.4	1750.4	1795.9	1802.0
25°	959.2	910.4	851.4	832.7	1002.7	1363.5	1636.6	1820.0	1854.8	1856.9
27.5°	908.3	870.9	830.7	812.6	955.9	1390.3	1717.0	1903.0	1923.8	1920.4
30°	862.2	834.0	816.0	810.6	926.4	1410.4	1793.3	1984.7	1986.0	1974.7
32.5°	813.3	802.6	802.6	820.0	902.3	1405.7	1855.5	2064.4	2051.6	2034.9
35°	769.8	771.8	785.9	826.7	862.2	1358.8	1915.1	2164.1	2145.4	2121.3
37.5°	728.3	743.7	763.8	803.3	809.3	1289.2	1984.7	2305.3	2281.9	2251.8
40°	692.8	716.2	739.7	759.1	753.1	1190.2	2081.8	2471.3	2445.2	2410.4
42.5°	664.7	687.5	713.6	715.6	717.6	1087.1	2184.9	2674.8	2670.2	2632.0
45°	646.6	661.3	686.1	682.8	715.6	973.3	2279.9	2985.4	3047.0	3018.2
47.5°	634.6	646.0	648.6	662.7	733.0	871.5	2402.4	3593.2	3764.6	3731.8
50°	627.9	639.3	609.1	664.0	735.6	805.9	2571.8	4356.3	4632.1	4588.6
52.5°	627.2	624.5	579.0	678.1	720.9	765.8	2660.1	4913.2	5525.1	5619.4
55°	628.5	595.1	563.6	682.1	691.5	751.0	2364.2	5181.0	6349.1	6548.5
57.5°	616.5	562.9	572.3	666.0	635.9	790.5	1747.7	5085.3	6678.4	7049.2
60°	593.7	532.2	588.4	622.5	579.0	722.9	1203.5	4658.2	6337.0	6718.6
62.5°	560.9	510.7	586.4	566.3	558.3	591.7	827.4	4060.5	5795.5	6168.3
65°	524.1	493.3	554.9	512.1	516.8	455.2	585.0	3385.7	5148.9	5515.7
67.5°	484.6	482.6	508.7	455.8	436.4	360.8	426.4	2713.7	4318.2	4648.8
70°	439.8	454.5	462.5	405.0	354.1	283.1	316.6	1897.7	3185.6	3473.4
72.5°	394.9	396.3	407.7	352.1	265.1	226.9	237.6	1149.3	2164.1	2373.6
75°	349.4	336.7	347.4	286.5	197.5	186.1	183.4	710.2	1494.7	1660.1
77.5°	300.6	286.5	272.4	215.5	158.6	143.9	140.6	398.3	917.0	1018.8
80°	244.3	225.6	203.5	158.0	115.8	103.1	102.4	194.1	457.2	509.4
82.5°	190.1	154.6	148.6	98.4	71.6	62.9	66.9	74.3	137.9	154.0
85°	133.2	112.5	79.0	39.5	32.1	26.1	25.4	22.1	36.8	40.8
87.5°	74.3	48.9	25.4	4.7	5.4	6.0	4.7	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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