

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: P632322

Luminaire Tested: GWS-SA2C-740-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-740-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

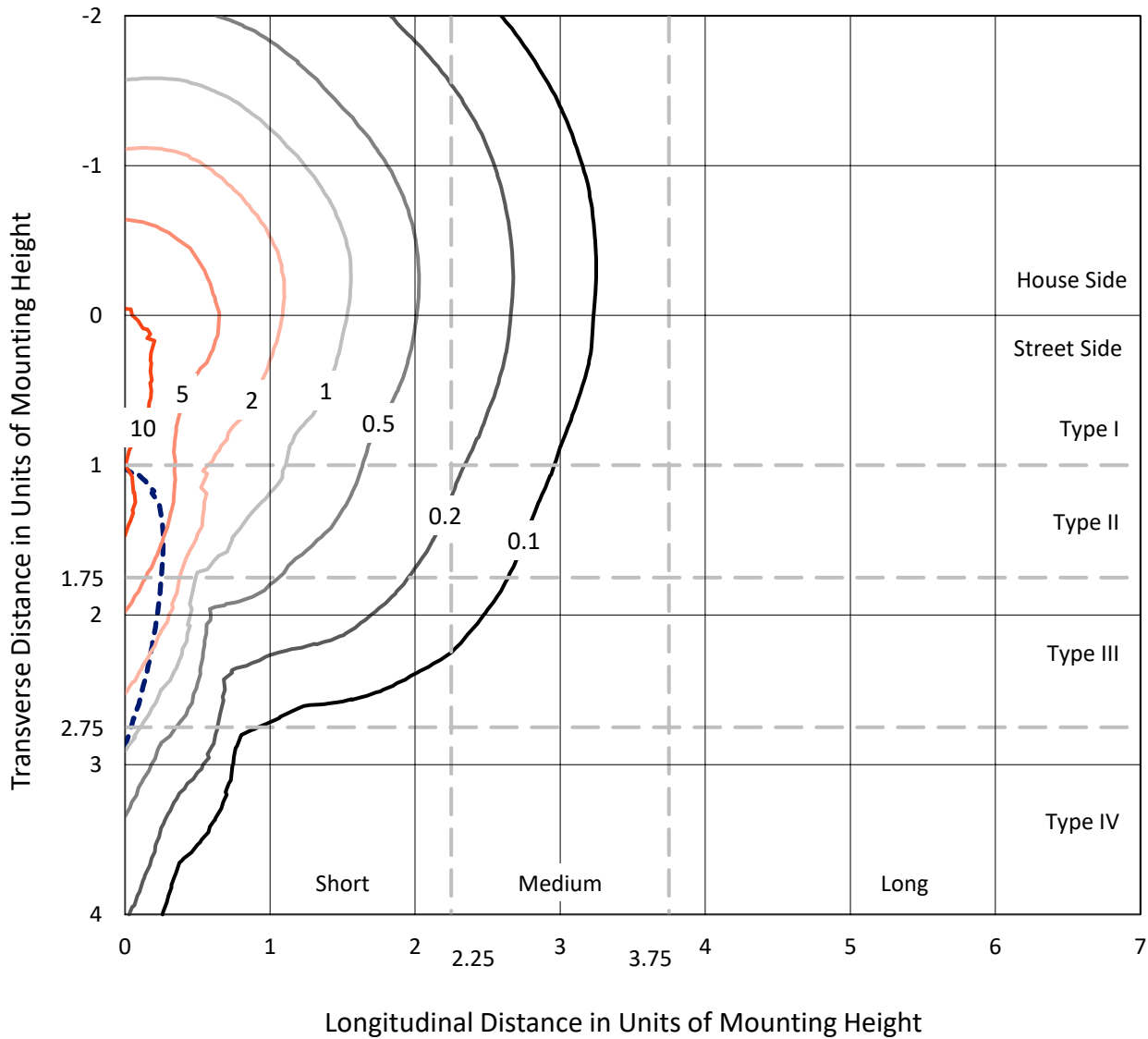
Lumens per Lamp: N/A  
Luminaire Lumens: 8674.4 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P632322  
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

### Iso-Footcandle Lines of Horizontal Illumination

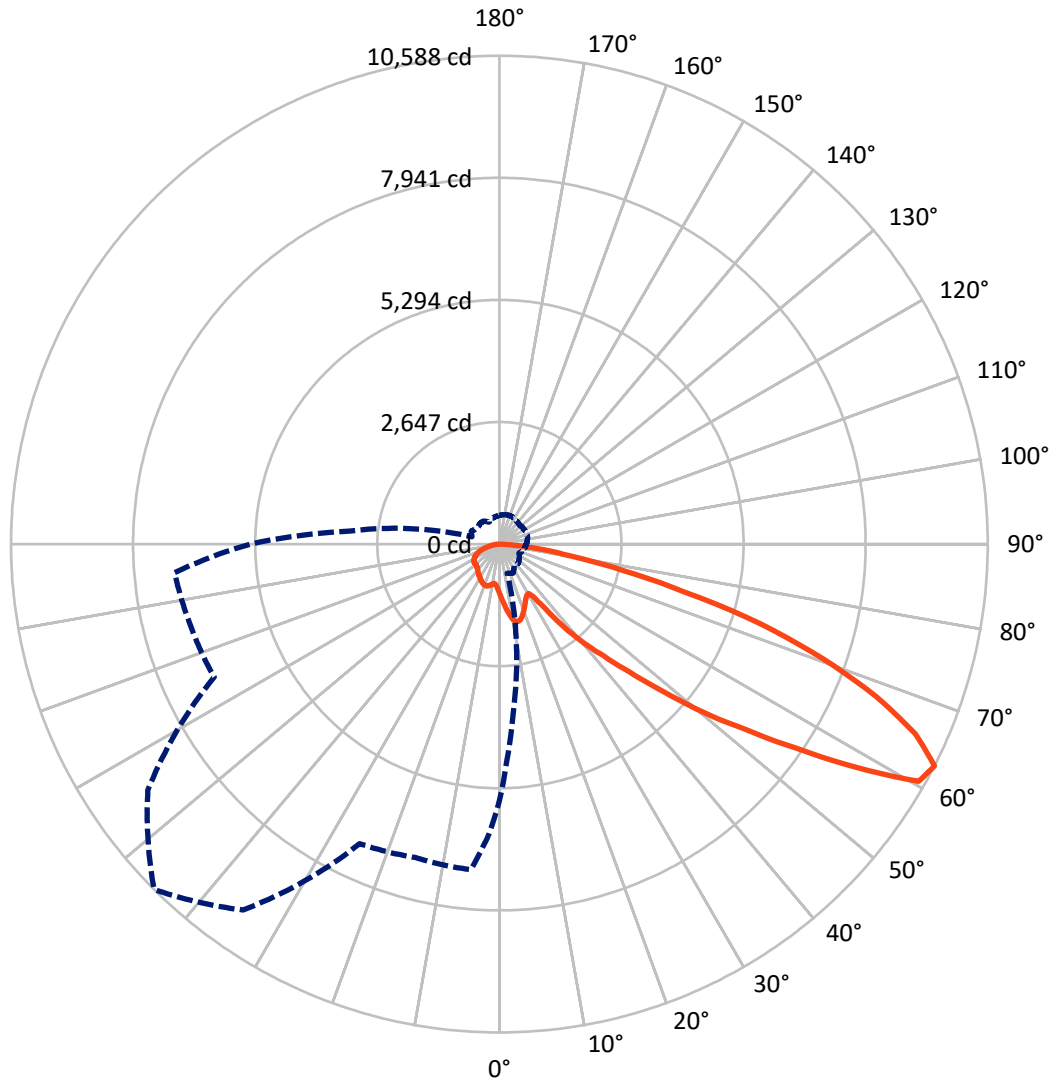
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P632322  
CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P632322

CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2074.1	0.0	2074.1
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	6600.3	0.0	6600.3
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	8674.4	0.0	8674.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.5	1.2
10°-20°	346.3	4.0
20°-30°	545.1	6.3
30°-40°	747.2	8.6
40°-50°	1165.8	13.4
50°-60°	2010.1	23.2
60°-70°	2329.5	26.9
70°-80°	1229.6	14.2
80°-90°	194.2	2.2
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°	8674.4	100.0
0°-180°	8674.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632322

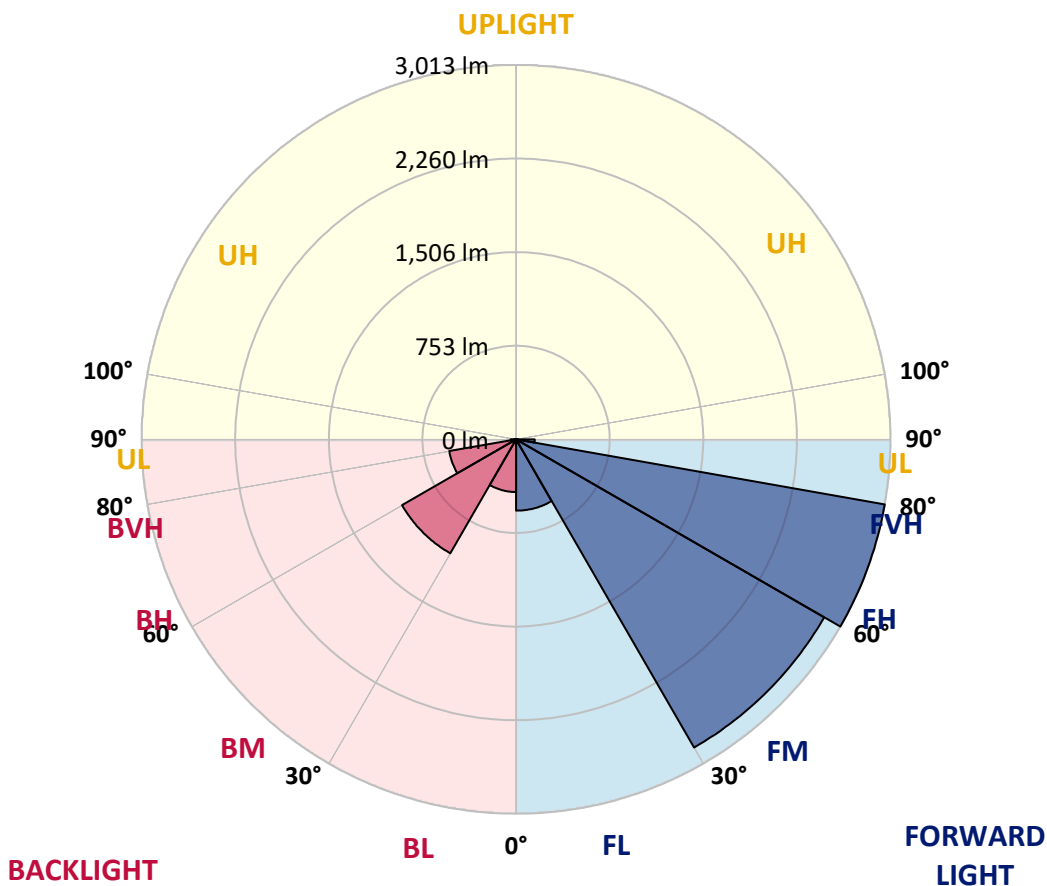
CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	573.7	6.6			
FM (30°-60°)	2863.7	33.0			
FH (60°-80°)	3013.0	34.7			G2/5000
FVH (80°-90°)	149.9	1.7			G2/225
BL (0°-30°)	424.2	4.9	B1/500		
BM (30°-60°)	1059.4	12.2	B2/2500		
BH (60°-80°)	546.1	6.3	B2/1000		G2/1000
BVH (80°-90°)	44.3	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





REPORT NUMBER: P632322  
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5
2.5°	1175.1	1170.4	1163.8	1141.2	1127.3	1111.4	1094.8	1075.5	1053.7	1038.4	1023.1
5°	1274.6	1267.3	1251.4	1197.6	1160.5	1120.0	1086.2	1047.7	1009.9	984.0	958.1
7.5°	1370.1	1360.9	1336.3	1254.0	1193.7	1135.3	1084.2	1028.4	972.0	933.6	903.0
10°	1465.7	1446.4	1415.3	1307.8	1228.2	1160.5	1102.1	1033.7	958.8	906.4	873.8
12.5°	1538.7	1520.8	1486.9	1356.9	1262.7	1177.7	1112.0	1049.0	985.3	929.6	896.4
15°	1607.0	1583.8	1545.3	1402.7	1291.2	1177.1	1092.1	1037.1	1027.8	1013.8	970.7
17.5°	1656.1	1634.9	1595.1	1439.8	1307.1	1156.5	1037.1	1004.6	1046.4	1088.8	1047.7
20°	1699.2	1674.7	1634.2	1465.7	1310.4	1110.7	970.0	970.7	1036.4	1094.8	1084.8
22.5°	1735.7	1708.5	1672.7	1494.9	1309.1	1047.0	911.7	951.5	1017.2	1062.9	1064.3
25°	1780.9	1758.3	1728.4	1538.0	1309.1	982.0	869.2	928.2	984.6	1023.1	1021.8
27.5°	1835.9	1820.7	1796.1	1603.7	1321.0	927.6	845.3	898.4	942.8	976.0	975.4
30°	1897.6	1883.7	1865.1	1673.4	1341.6	887.1	832.0	861.2	893.7	920.3	920.3
32.5°	1960.7	1955.4	1935.5	1729.1	1325.7	874.5	820.8	824.1	841.3	863.2	861.2
35°	2048.2	2042.9	2017.7	1772.2	1256.7	856.6	802.8	786.3	788.2	802.2	806.8
37.5°	2176.3	2168.3	2131.2	1822.7	1152.5	811.5	773.7	746.4	740.5	746.4	755.1
40°	2330.9	2319.0	2268.5	1891.0	1032.4	750.4	727.9	705.3	695.4	697.3	707.3
42.5°	2524.6	2499.4	2427.1	1963.3	913.7	696.7	676.8	662.8	651.6	650.2	669.5
45°	2839.2	2770.1	2655.4	2027.7	813.5	668.2	631.0	621.0	611.8	617.1	639.6
47.5°	3388.5	3261.1	3037.5	2082.8	752.4	668.8	594.5	583.9	583.2	593.8	619.1
50°	4143.6	3959.8	3614.8	2119.9	720.6	676.8	572.6	555.4	568.0	578.6	602.5
52.5°	4866.8	4586.2	4175.5	2119.2	706.6	678.1	578.6	528.8	568.0	570.6	593.2
55°	5484.6	4976.3	4326.7	1901.6	686.7	672.8	601.8	508.2	560.7	570.6	588.5
57.5°	5975.6	5224.5	4315.5	1536.0	747.1	643.6	615.7	503.6	539.4	571.9	592.5
60°	5921.1	5111.0	4037.4	942.8	741.1	591.8	613.7	512.2	503.6	554.0	587.9
62.5°	5559.5	4704.3	3559.1	654.2	696.0	562.0	581.2	527.5	470.4	528.2	565.3
65°	5053.3	4179.4	2965.9	501.6	576.6	563.3	526.2	516.9	441.2	487.0	526.8
67.5°	4383.8	3528.5	2341.5	397.4	402.1	487.7	477.7	459.1	414.0	450.5	486.4
70°	3295.6	2575.1	1611.0	319.8	304.6	407.4	429.3	412.7	387.5	398.1	435.9
72.5°	2322.3	1681.3	882.5	253.5	234.9	313.2	372.9	370.2	342.4	350.3	387.5
75°	1725.8	1189.7	551.4	200.4	191.1	224.3	312.5	320.5	297.3	306.5	335.1
77.5°	1148.5	770.3	306.5	148.6	148.6	163.9	232.9	270.0	252.8	260.1	280.0
80°	633.7	392.1	153.3	97.5	100.2	112.8	169.9	194.4	195.1	213.0	218.3
82.5°	200.4	124.7	68.3	57.1	53.7	64.4	109.5	139.3	130.0	165.9	152.6
85°	45.8	29.2	12.6	12.6	13.9	21.2	41.8	74.3	94.9	114.1	82.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	29.2	43.1	38.5
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: P632322  
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5
2.5°	1013.8	1000.6	996.6	985.3	984.0	973.4	969.4	969.4	974.0	974.0	978.7
5°	947.5	930.9	921.6	908.3	905.0	897.1	891.8	892.4	898.4	902.4	910.3
7.5°	889.1	877.8	871.2	865.2	863.9	862.6	856.6	855.9	857.9	863.9	869.9
10°	864.6	856.6	858.6	863.2	870.5	874.5	869.2	866.5	864.6	868.5	873.8
12.5°	888.4	880.5	884.5	892.4	902.4	906.4	904.4	903.7	905.7	920.9	932.2
15°	940.9	925.6	920.3	923.6	931.6	935.5	933.6	936.2	948.8	988.6	1017.2
17.5°	1005.9	968.7	947.5	941.5	944.8	948.2	948.2	954.8	976.7	1035.1	1070.9
20°	1041.0	992.6	956.8	942.2	943.5	946.8	946.8	956.1	980.7	1043.0	1066.3
22.5°	1031.8	987.3	943.5	927.6	928.2	930.9	930.9	938.9	960.8	1015.8	1026.4
25°	995.3	956.1	913.0	899.1	900.4	905.0	903.7	908.3	924.9	970.0	976.0
27.5°	951.5	917.0	874.5	863.9	869.9	879.1	871.2	871.8	887.1	924.9	925.6
30°	904.4	875.8	838.0	830.0	841.3	846.0	838.7	838.7	853.9	879.8	879.1
32.5°	853.3	835.4	808.2	799.5	812.1	819.4	810.1	811.5	823.4	840.7	834.0
35°	805.5	796.2	783.6	777.6	785.6	792.2	786.3	788.9	800.2	804.8	795.5
37.5°	759.7	758.4	759.7	759.7	761.7	763.7	759.7	766.4	776.3	770.3	759.7
40°	719.9	725.2	737.8	734.5	732.5	734.5	731.8	743.1	753.1	742.5	729.9
42.5°	686.7	696.7	715.9	715.9	711.9	713.3	711.9	725.9	733.2	718.6	704.6
45°	658.2	672.8	697.3	700.7	694.0	694.0	696.7	713.9	716.6	696.7	682.1
47.5°	638.3	656.2	684.1	690.0	680.1	679.4	686.7	705.3	705.3	682.1	665.5
50°	624.4	644.3	677.4	685.4	675.5	672.8	684.7	702.7	698.7	670.8	654.2
52.5°	615.1	635.6	676.8	688.1	681.4	678.8	690.7	703.3	693.4	663.5	646.3
55°	609.1	631.7	678.8	688.1	680.8	676.1	688.1	699.3	694.0	659.5	642.9
57.5°	612.4	635.0	676.1	680.8	672.1	664.2	678.1	694.0	692.0	660.9	644.3
60°	607.1	627.7	661.5	662.8	648.2	635.6	656.2	680.1	680.1	656.2	641.6
62.5°	582.6	603.1	633.0	634.3	617.7	603.8	627.7	656.2	655.5	636.3	621.0
65°	542.1	561.3	595.2	598.5	581.9	567.3	591.8	618.4	620.4	603.1	589.9
67.5°	497.6	514.9	540.1	553.4	539.4	524.2	546.7	571.9	571.3	550.7	536.8
70°	444.6	460.5	483.7	495.0	486.4	471.8	492.3	505.6	499.6	489.7	480.4
72.5°	392.1	407.4	429.3	429.3	420.0	406.1	412.0	435.9	443.2	435.9	430.0
75°	337.1	350.3	365.6	368.9	348.3	323.1	351.0	371.6	380.2	376.9	369.6
77.5°	280.7	290.6	313.2	307.2	268.7	255.5	278.0	308.5	314.5	312.5	302.6
80°	216.3	222.3	246.2	234.2	204.4	195.7	205.7	229.6	230.9	224.3	211.7
82.5°	145.3	153.3	169.2	146.0	145.3	137.3	129.4	132.0	144.0	142.7	134.0
85°	74.3	78.3	93.6	87.6	75.0	65.0	61.7	65.7	59.1	53.7	46.4
87.5°	31.2	33.8	46.4	25.9	8.0	0.0	0.0	4.0	6.0	8.6	9.3
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: P632322  
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5
2.5°	989.3	996.6	1014.5	1037.1	1059.0	1081.5	1106.1	1121.3	1139.9	1163.8	1164.5
5°	920.3	936.9	962.8	997.3	1033.1	1074.2	1122.0	1161.8	1209.6	1247.4	1262.7
7.5°	877.8	901.7	934.2	978.0	1025.1	1076.2	1138.6	1205.6	1283.9	1334.3	1364.2
10°	881.8	918.3	950.8	988.0	1030.4	1085.5	1165.8	1254.7	1350.9	1417.3	1454.4
12.5°	952.8	991.3	985.3	983.3	1011.8	1078.9	1187.7	1304.5	1421.9	1488.2	1532.7
15°	1042.4	1057.0	1000.6	958.1	975.4	1055.0	1199.6	1348.9	1480.9	1561.9	1605.7
17.5°	1088.2	1059.0	990.6	926.9	922.3	1018.5	1205.6	1394.0	1547.3	1628.2	1674.7
20°	1066.9	1024.5	966.7	906.4	873.2	968.7	1202.3	1429.9	1607.7	1697.9	1735.7
22.5°	1021.1	984.0	938.9	881.1	833.4	914.3	1193.7	1465.7	1661.4	1752.3	1785.5
25°	971.4	943.5	906.4	855.9	810.8	866.5	1187.7	1513.5	1723.1	1810.0	1831.3
27.5°	921.6	901.0	870.5	831.4	805.5	833.4	1189.7	1575.8	1802.8	1885.0	1876.4
30°	872.5	854.6	833.4	816.1	804.8	825.4	1184.4	1642.2	1890.3	1966.6	1915.5
32.5°	826.1	809.5	796.2	798.9	805.5	828.7	1157.2	1702.6	1970.6	2035.6	1958.0
35°	786.3	769.0	769.0	778.3	802.8	817.4	1086.8	1749.7	2059.5	2124.6	2018.4
37.5°	749.1	733.8	743.8	759.1	782.3	786.9	996.6	1795.5	2188.9	2250.0	2111.9
40°	716.6	701.3	719.2	738.5	750.4	748.4	905.0	1859.1	2341.5	2404.6	2236.0
42.5°	690.7	676.8	692.7	717.3	719.2	721.2	838.0	1920.2	2518.7	2599.0	2449.7
45°	669.5	659.5	667.5	692.0	692.0	722.6	796.2	1971.3	2785.4	2927.4	2841.8
47.5°	652.9	646.9	650.9	658.9	672.1	746.4	769.7	2010.4	3271.1	3549.8	3463.5
50°	643.6	637.6	642.9	626.4	666.2	758.4	761.0	2040.3	3911.4	4348.0	4241.1
52.5°	635.6	633.7	637.0	598.5	679.4	750.4	754.4	2000.5	4340.7	5133.6	5239.1
55°	633.0	634.3	618.4	577.9	695.4	723.9	734.5	1715.8	4457.4	5811.0	6465.9
57.5°	634.3	630.3	589.9	579.9	696.0	670.8	763.0	1224.2	4287.6	6105.6	7666.2
60°	629.7	609.8	555.4	597.8	665.5	608.4	742.5	798.2	3839.7	5879.3	7735.8
62.5°	609.1	579.9	525.5	607.8	611.1	571.3	674.1	615.1	3242.6	5395.0	7064.4
65°	579.2	540.1	500.3	587.2	556.0	554.0	506.9	493.0	2607.6	4818.4	6427.4
67.5°	530.1	491.0	481.7	540.1	500.3	491.0	407.4	408.7	2080.8	4204.0	5787.1
70°	474.4	435.3	442.6	488.3	445.2	408.1	329.8	340.4	1578.5	3502.7	4923.9
72.5°	437.9	385.5	386.2	430.0	391.5	330.4	271.4	280.7	1001.9	2640.1	3914.7
75°	369.6	339.7	325.1	348.3	332.4	257.4	228.2	226.3	593.8	1892.3	2931.4
77.5°	308.5	285.3	278.0	287.3	248.2	190.4	183.8	180.5	336.4	1212.2	1920.9
80°	223.6	217.6	217.0	221.6	191.1	140.0	140.0	140.7	181.1	658.2	1082.8
82.5°	142.0	155.3	137.3	152.6	130.0	99.5	92.9	105.5	104.2	280.7	456.5
85°	59.1	80.9	75.6	80.3	61.7	54.4	58.4	63.0	60.4	108.2	177.8
87.5°	11.3	13.3	14.6	13.9	13.9	17.3	19.2	23.2	23.2	31.2	53.7
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: P632322  
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5
2.5°	1189.7	1208.9	1204.9	1213.6	1202.3	1206.3	1183.7	1177.7	1173.7	1175.1
5°	1311.8	1350.9	1358.2	1372.8	1362.8	1362.8	1323.0	1293.2	1282.6	1274.6
7.5°	1435.8	1492.2	1529.4	1533.4	1528.1	1517.4	1459.7	1406.0	1386.7	1370.1
10°	1546.0	1613.7	1655.5	1675.4	1665.4	1648.8	1577.2	1503.5	1480.3	1465.7
12.5°	1630.2	1690.0	1717.8	1731.1	1729.8	1723.8	1665.4	1585.8	1561.2	1538.7
15°	1684.6	1714.5	1703.9	1703.2	1712.5	1736.4	1718.5	1656.1	1627.6	1607.0
17.5°	1719.8	1691.3	1644.2	1622.3	1642.2	1698.6	1739.7	1704.6	1678.7	1656.1
20°	1732.4	1630.9	1562.6	1522.1	1545.3	1626.9	1728.4	1739.7	1717.8	1699.2
22.5°	1717.8	1557.3	1464.4	1416.6	1439.1	1536.7	1695.3	1768.2	1753.7	1735.7
25°	1682.0	1480.3	1368.8	1325.7	1350.2	1449.8	1636.2	1794.8	1795.5	1780.9
27.5°	1637.5	1409.3	1301.8	1261.3	1285.2	1378.1	1578.5	1818.0	1841.2	1835.9
30°	1592.4	1366.8	1270.0	1241.4	1259.3	1341.6	1519.4	1841.9	1888.3	1897.6
32.5°	1571.9	1387.4	1344.9	1357.5	1334.3	1362.8	1498.2	1875.7	1945.4	1960.7
35°	1599.1	1569.9	1677.3	1727.1	1644.8	1536.7	1525.4	1926.8	2025.7	2048.2
37.5°	1731.1	1960.7	2121.2	2296.4	2153.7	1915.5	1660.1	2013.7	2140.5	2176.3
40°	2018.4	2301.7	2591.7	2817.9	2602.3	2281.8	1916.2	2143.1	2298.4	2330.9
42.5°	2289.1	2621.5	3021.0	3313.6	3033.6	2581.0	2192.2	2360.8	2506.7	2524.6
45°	2554.5	2935.4	3540.5	3947.2	3567.0	2865.7	2474.2	2728.3	2838.5	2839.2
47.5°	2865.7	3289.0	4192.0	4771.3	4275.0	3180.9	2739.0	3310.2	3463.5	3388.5
50°	3237.9	3640.7	4862.9	5730.1	5138.2	3568.3	3075.4	4019.5	4228.5	4143.6
52.5°	3736.2	4028.2	5602.0	6664.9	6079.1	4009.6	3563.0	4956.4	5025.4	4866.8
55°	4437.5	4587.5	6550.8	7819.4	7129.4	4553.0	4276.3	6132.1	5939.1	5484.6
57.5°	6034.6	5472.6	7769.0	9136.5	8317.7	5540.3	5839.5	7428.6	6741.9	5975.6
60°	7370.9	6547.5	8896.3	10443.6	9336.2	6628.4	7307.2	7654.2	6712.0	5921.1
62.5°	6920.4	6821.5	9303.0	10587.6	9683.9	7163.9	7034.5	7085.6	6274.1	5559.5
65°	6071.8	6292.7	8940.1	9904.8	9298.4	6684.2	6363.0	6560.1	5773.2	5053.3
67.5°	5570.8	5733.4	8294.5	8812.0	8597.7	6165.3	5840.9	5698.2	4995.6	4383.8
70°	5058.6	5193.3	7388.2	7440.6	7504.9	5302.8	4775.9	4351.3	3723.6	3295.6
72.5°	4371.2	4378.5	6242.3	5938.4	6060.5	4149.6	3844.4	3253.2	2710.4	2322.3
75°	3667.2	3466.8	4941.1	4150.9	4395.7	3228.0	3192.1	2451.7	2044.3	1725.8
77.5°	2796.0	2561.8	3609.5	2729.7	3087.3	2149.8	2399.9	1662.8	1438.5	1148.5
80°	1877.1	1731.1	1994.5	1540.7	2019.7	1481.6	1565.2	942.2	816.8	633.7
82.5°	990.0	845.3	1232.8	913.7	1218.2	814.1	587.2	291.3	248.2	200.4
85°	383.5	443.9	604.5	325.1	472.4	290.6	169.9	72.3	60.4	45.8
87.5°	74.3	114.8	63.0	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

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