

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: P629849

Luminaire Tested: GWS-SA1C-740-U-SLLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629849  
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-SA1C-740-U-SLLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

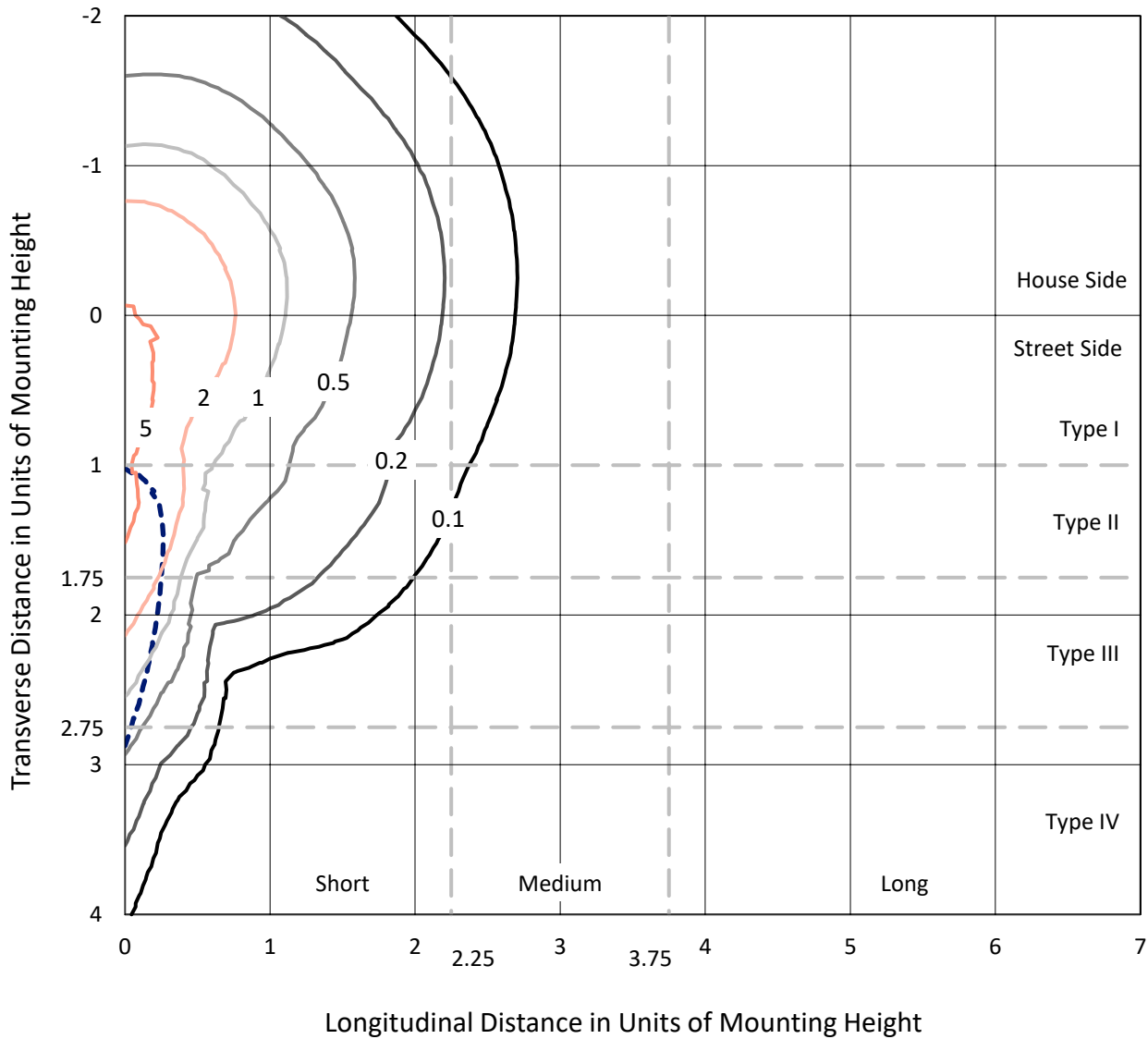
Lumens per Lamp: N/A  
Luminaire Lumens: 4504.9 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P629849  
 CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

### Iso-Footcandle Lines of Horizontal Illumination

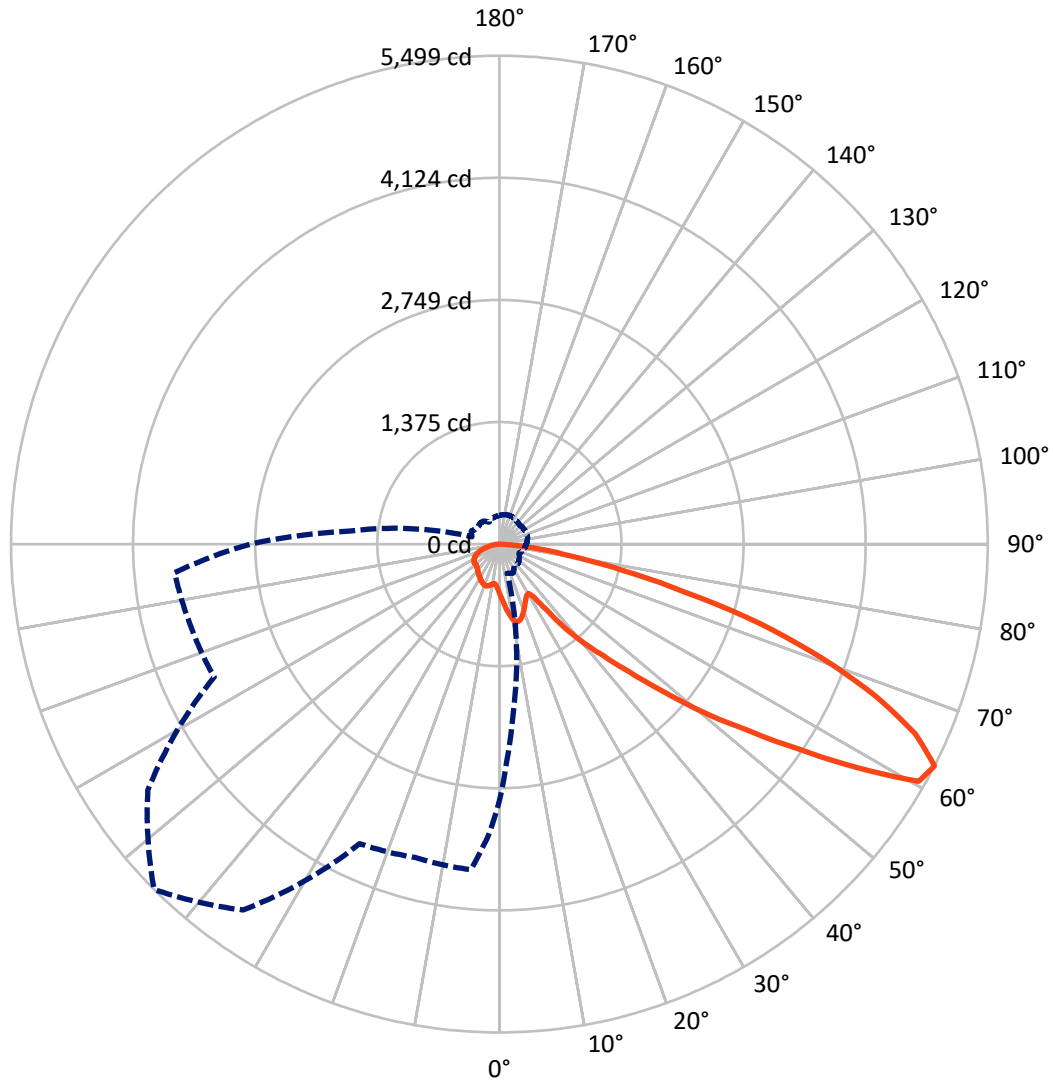
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P629849  
CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P629849

CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1077.1	0.0	1077.1
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	3427.8	0.0	3427.8
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	4504.9	0.0	4504.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	1.2
10°-20°	179.8	4.0
20°-30°	283.1	6.3
30°-40°	388.0	8.6
40°-50°	605.5	13.4
50°-60°	1043.9	23.2
60°-70°	1209.8	26.9
70°-80°	638.6	14.2
80°-90°	100.9	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°	4504.9	100.0
0°-180°	4504.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629849

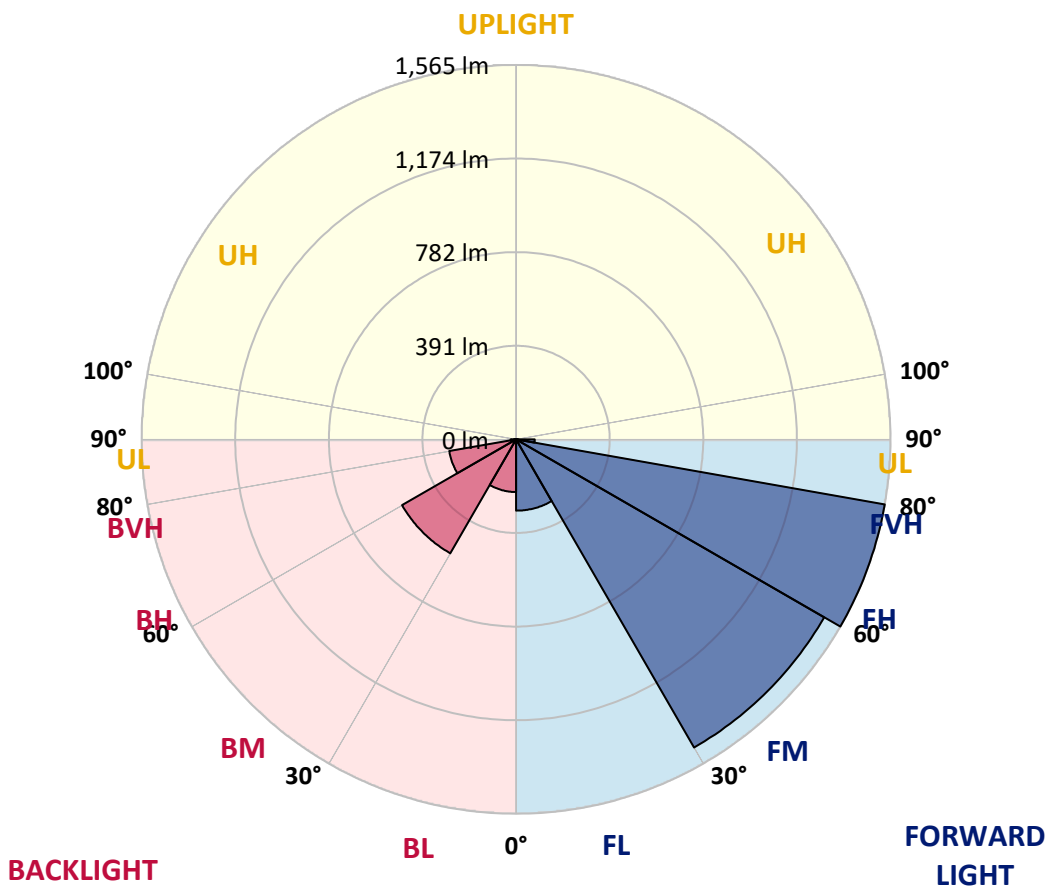
CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.9	6.6			
FM (30°-60°)	1487.2	33.0			
FH (60°-80°)	1564.7	34.7			G1/1800
FVH (80°-90°)	77.9	1.7			G1/100
BL (0°-30°)	220.3	4.9	B1/500		
BM (30°-60°)	550.2	12.2	B1/1000		
BH (60°-80°)	283.6	6.3	B1/500		G1/500
BVH (80°-90°)	23.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





REPORT NUMBER: P629849  
 CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7
2.5°	610.3	607.8	604.4	592.7	585.4	577.2	568.6	558.6	547.2	539.3	531.3
5°	661.9	658.2	649.9	622.0	602.7	581.7	564.1	544.1	524.5	511.0	497.6
7.5°	711.6	706.7	694.0	651.3	619.9	589.6	563.0	534.1	504.8	484.8	469.0
10°	761.2	751.2	735.0	679.2	637.8	602.7	572.3	536.9	497.9	470.7	453.8
12.5°	799.1	789.8	772.2	704.7	655.7	611.6	577.5	544.8	511.7	482.8	465.5
15°	834.6	822.5	802.5	728.4	670.6	611.3	567.2	538.6	533.8	526.5	504.1
17.5°	860.1	849.0	828.4	747.7	678.8	600.6	538.6	521.7	543.4	565.5	544.1
20°	882.5	869.7	848.7	761.2	680.5	576.8	503.8	504.1	538.2	568.6	563.4
22.5°	901.4	887.3	868.7	776.3	679.9	543.7	473.5	494.1	528.2	552.0	552.7
25°	924.9	913.1	897.6	798.7	679.9	510.0	451.4	482.1	511.4	531.3	530.7
27.5°	953.5	945.5	932.8	832.9	686.1	481.7	439.0	466.6	489.7	506.9	506.5
30°	985.5	978.3	968.6	869.0	696.7	460.7	432.1	447.3	464.2	477.9	477.9
32.5°	1018.2	1015.5	1005.1	898.0	688.5	454.2	426.2	428.0	436.9	448.3	447.3
35°	1063.7	1061.0	1047.9	920.4	652.6	444.9	416.9	408.3	409.4	416.6	419.0
37.5°	1130.2	1126.1	1106.8	946.6	598.5	421.4	401.8	387.7	384.6	387.7	392.1
40°	1210.5	1204.3	1178.1	982.1	536.2	389.7	378.0	366.3	361.1	362.2	367.3
42.5°	1311.1	1298.0	1260.5	1019.6	474.5	361.8	351.5	344.2	338.4	337.7	347.7
45°	1474.5	1438.6	1379.0	1053.0	422.5	347.0	327.7	322.5	317.7	320.5	332.2
47.5°	1759.8	1693.6	1577.5	1081.6	390.8	347.3	308.7	303.2	302.9	308.4	321.5
50°	2151.9	2056.5	1877.3	1100.9	374.2	351.5	297.4	288.4	295.0	300.5	312.9
52.5°	2527.5	2381.7	2168.5	1100.6	367.0	352.2	300.5	274.6	295.0	296.3	308.1
55°	2848.3	2584.4	2247.0	987.6	356.6	349.4	312.5	263.9	291.2	296.3	305.6
57.5°	3103.3	2713.2	2241.2	797.7	388.0	334.2	319.8	261.5	280.1	297.0	307.7
60°	3075.0	2654.3	2096.8	489.7	384.9	307.4	318.7	266.0	261.5	287.7	305.3
62.5°	2887.2	2443.1	1848.3	339.8	361.5	291.9	301.9	273.9	244.3	274.3	293.6
65°	2624.3	2170.5	1540.3	260.5	299.4	292.5	273.3	268.4	229.1	252.9	273.6
67.5°	2276.6	1832.5	1216.0	206.4	208.8	253.3	248.1	238.5	215.0	234.0	252.6
70°	1711.5	1337.3	836.6	166.1	158.2	211.6	222.9	214.3	201.2	206.7	226.4
72.5°	1206.0	873.2	458.3	131.6	122.0	162.6	193.7	192.3	177.8	181.9	201.2
75°	896.3	617.8	286.3	104.1	99.2	116.5	162.3	166.4	154.4	159.2	174.0
77.5°	596.5	400.1	159.2	77.2	77.2	85.1	120.9	140.2	131.3	135.1	145.4
80°	329.1	203.6	79.6	50.7	52.0	58.6	88.2	101.0	101.3	110.6	113.4
82.5°	104.1	64.8	35.5	29.6	27.9	33.4	56.9	72.4	67.5	86.1	79.3
85°	23.8	15.2	6.5	6.5	7.2	11.0	21.7	38.6	49.3	59.3	43.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	15.2	22.4	20.0
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: P629849  
 CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7
2.5°	526.5	519.6	517.6	511.7	511.0	505.5	503.4	503.4	505.8	505.8	508.3
5°	492.1	483.4	478.6	471.7	470.0	465.9	463.1	463.5	466.6	468.6	472.8
7.5°	461.7	455.9	452.4	449.3	448.6	448.0	444.9	444.5	445.5	448.6	451.7
10°	449.0	444.9	445.9	448.3	452.1	454.2	451.4	450.0	449.0	451.1	453.8
12.5°	461.4	457.3	459.3	463.5	468.6	470.7	469.7	469.3	470.4	478.3	484.1
15°	488.6	480.7	477.9	479.7	483.8	485.9	484.8	486.2	492.8	513.4	528.2
17.5°	522.4	503.1	492.1	489.0	490.7	492.4	492.4	495.9	507.2	537.5	556.2
20°	540.6	515.5	496.9	489.3	490.0	491.7	491.7	496.5	509.3	541.7	553.7
22.5°	535.8	512.7	490.0	481.7	482.1	483.4	483.4	487.6	499.0	527.6	533.1
25°	516.9	496.5	474.1	466.9	467.6	470.0	469.3	471.7	480.3	503.8	506.9
27.5°	494.1	476.2	454.2	448.6	451.7	456.6	452.4	452.8	460.7	480.3	480.7
30°	469.7	454.8	435.2	431.1	436.9	439.3	435.6	435.6	443.5	456.9	456.6
32.5°	443.1	433.8	419.7	415.2	421.8	425.6	420.7	421.4	427.6	436.6	433.1
35°	418.3	413.5	407.0	403.8	408.0	411.4	408.3	409.7	415.6	418.0	413.2
37.5°	394.5	393.9	394.5	394.5	395.6	396.6	394.5	398.0	403.2	400.1	394.5
40°	373.9	376.6	383.2	381.5	380.4	381.5	380.1	385.9	391.1	385.6	379.0
42.5°	356.6	361.8	371.8	371.8	369.7	370.4	369.7	377.0	380.8	373.2	365.9
45°	341.8	349.4	362.2	363.9	360.4	360.4	361.8	370.8	372.1	361.8	354.2
47.5°	331.5	340.8	355.3	358.4	353.2	352.9	356.6	366.3	366.3	354.2	345.6
50°	324.3	334.6	351.8	356.0	350.8	349.4	355.6	364.9	362.8	348.4	339.8
52.5°	319.4	330.1	351.5	357.3	353.9	352.5	358.7	365.3	360.1	344.6	335.6
55°	316.3	328.0	352.5	357.3	353.5	351.1	357.3	363.2	360.4	342.5	333.9
57.5°	318.0	329.8	351.1	353.5	349.1	344.9	352.2	360.4	359.4	343.2	334.6
60°	315.3	326.0	343.5	344.2	336.7	330.1	340.8	353.2	353.2	340.8	333.2
62.5°	302.5	313.2	328.7	329.4	320.8	313.6	326.0	340.8	340.4	330.5	322.5
65°	281.5	291.5	309.1	310.8	302.2	294.6	307.4	321.1	322.2	313.2	306.3
67.5°	258.4	267.4	280.5	287.4	280.1	272.2	283.9	297.0	296.7	286.0	278.8
70°	230.9	239.1	251.2	257.1	252.6	245.0	255.7	262.6	259.5	254.3	249.5
72.5°	203.6	211.6	222.9	222.9	218.1	210.9	214.0	226.4	230.2	226.4	223.3
75°	175.0	181.9	189.9	191.6	180.9	167.8	182.3	193.0	197.4	195.7	191.9
77.5°	145.8	150.9	162.6	159.5	139.6	132.7	144.4	160.2	163.3	162.3	157.1
80°	112.3	115.4	127.8	121.6	106.1	101.7	106.8	119.2	119.9	116.5	109.9
82.5°	75.5	79.6	87.9	75.8	75.5	71.3	67.2	68.6	74.8	74.1	69.6
85°	38.6	40.7	48.6	45.5	38.9	33.8	32.0	34.1	30.7	27.9	24.1
87.5°	16.2	17.6	24.1	13.4	4.1	0.0	0.0	2.1	3.1	4.5	4.8
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: P629849  
 CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7
2.5°	513.8	517.6	526.9	538.6	550.0	561.7	574.4	582.3	592.0	604.4	604.7
5°	477.9	486.5	500.0	517.9	536.5	557.9	582.7	603.4	628.2	647.8	655.7
7.5°	455.9	468.3	485.2	507.9	532.4	558.9	591.3	626.1	666.8	693.0	708.5
10°	457.9	476.9	493.8	513.1	535.1	563.7	605.4	651.6	701.6	736.0	755.3
12.5°	494.8	514.8	511.7	510.7	525.5	560.3	616.8	677.4	738.4	772.9	796.0
15°	541.3	548.9	519.6	497.6	506.5	547.9	623.0	700.5	769.1	811.1	833.9
17.5°	565.1	550.0	514.5	481.4	479.0	528.9	626.1	724.0	803.6	845.6	869.7
20°	554.1	532.0	502.1	470.7	453.5	503.1	624.4	742.6	834.9	881.8	901.4
22.5°	530.3	511.0	487.6	457.6	432.8	474.8	619.9	761.2	862.8	910.0	927.3
25°	504.5	490.0	470.7	444.5	421.1	450.0	616.8	786.0	894.9	940.0	951.0
27.5°	478.6	467.9	452.1	431.8	418.3	432.8	617.8	818.4	936.2	979.0	974.5
30°	453.1	443.8	432.8	423.8	418.0	428.7	615.1	852.8	981.7	1021.3	994.8
32.5°	429.0	420.4	413.5	414.9	418.3	430.4	601.0	884.2	1023.4	1057.2	1016.9
35°	408.3	399.4	399.4	404.2	416.9	424.5	564.4	908.7	1069.6	1103.3	1048.2
37.5°	389.0	381.1	386.3	394.2	406.3	408.7	517.6	932.4	1136.8	1168.5	1096.8
40°	372.1	364.2	373.5	383.5	389.7	388.7	470.0	965.5	1216.0	1248.8	1161.2
42.5°	358.7	351.5	359.7	372.5	373.5	374.6	435.2	997.2	1308.0	1349.7	1272.2
45°	347.7	342.5	346.6	359.4	359.4	375.2	413.5	1023.8	1446.6	1520.3	1475.8
47.5°	339.1	336.0	338.0	342.2	349.1	387.7	399.7	1044.1	1698.8	1843.5	1798.7
50°	334.2	331.1	333.9	325.3	346.0	393.9	395.2	1059.6	2031.3	2258.0	2202.6
52.5°	330.1	329.1	330.8	310.8	352.9	389.7	391.8	1038.9	2254.3	2666.0	2720.8
55°	328.7	329.4	321.1	300.1	361.1	375.9	381.5	891.1	2314.9	3017.8	3357.9
57.5°	329.4	327.4	306.3	301.2	361.5	348.4	396.3	635.8	2226.7	3170.8	3981.3
60°	327.0	316.7	288.4	310.5	345.6	316.0	385.6	414.5	1994.1	3053.3	4017.5
62.5°	316.3	301.2	272.9	315.6	317.4	296.7	350.1	319.4	1684.0	2801.8	3668.8
65°	300.8	280.5	259.8	305.0	288.8	287.7	263.3	256.0	1354.2	2502.4	3338.0
67.5°	275.3	255.0	250.2	280.5	259.8	255.0	211.6	212.3	1080.6	2183.3	3005.4
70°	246.4	226.0	229.8	253.6	231.2	211.9	171.3	176.8	819.8	1819.0	2557.1
72.5°	227.4	200.2	200.5	223.3	203.3	171.6	140.9	145.8	520.3	1371.1	2033.0
75°	191.9	176.4	168.8	180.9	172.6	133.7	118.5	117.5	308.4	982.7	1522.4
77.5°	160.2	148.2	144.4	149.2	128.9	98.9	95.4	93.7	174.7	629.6	997.6
80°	116.1	113.0	112.7	115.1	99.2	72.7	72.7	73.1	94.1	341.8	562.4
82.5°	73.7	80.6	71.3	79.3	67.5	51.7	48.2	54.8	54.1	145.8	237.1
85°	30.7	42.0	39.3	41.7	32.0	28.3	30.3	32.7	31.4	56.2	92.3
87.5°	5.9	6.9	7.6	7.2	7.2	9.0	10.0	12.1	12.1	16.2	27.9
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: P629849  
 CATALOG NUMBER: GWS-SA1C-740-U-SLLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7	561.7
2.5°	617.8	627.8	625.8	630.2	624.4	626.4	614.7	611.6	609.6	610.3
5°	681.2	701.6	705.4	712.9	707.8	707.8	687.1	671.6	666.1	661.9
7.5°	745.7	775.0	794.3	796.3	793.6	788.1	758.1	730.2	720.2	711.6
10°	802.9	838.0	859.7	870.1	864.9	856.3	819.1	780.8	768.8	761.2
12.5°	846.6	877.6	892.1	899.0	898.3	895.2	864.9	823.5	810.8	799.1
15°	874.9	890.4	884.9	884.5	889.4	901.8	892.5	860.1	845.3	834.6
17.5°	893.2	878.3	853.9	842.5	852.8	882.1	903.5	885.2	871.8	860.1
20°	899.7	847.0	811.5	790.5	802.5	844.9	897.6	903.5	892.1	882.5
22.5°	892.1	808.7	760.5	735.7	747.4	798.1	880.4	918.3	910.7	901.4
25°	873.5	768.8	710.9	688.5	701.2	752.9	849.7	932.1	932.4	924.9
27.5°	850.4	731.9	676.1	655.0	667.5	715.7	819.8	944.2	956.2	953.5
30°	827.0	709.8	659.5	644.7	654.0	696.7	789.1	956.6	980.7	985.5
32.5°	816.3	720.5	698.5	705.0	693.0	707.8	778.1	974.1	1010.3	1018.2
35°	830.4	815.3	871.1	896.9	854.2	798.1	792.2	1000.7	1052.0	1063.7
37.5°	899.0	1018.2	1101.6	1192.6	1118.5	994.8	862.1	1045.8	1111.6	1130.2
40°	1048.2	1195.4	1345.9	1463.4	1351.4	1185.0	995.2	1113.0	1193.6	1210.5
42.5°	1188.8	1361.4	1568.9	1720.8	1575.4	1340.4	1138.5	1226.0	1301.8	1311.1
45°	1326.6	1524.4	1838.7	2049.9	1852.5	1488.2	1284.9	1416.9	1474.1	1474.5
47.5°	1488.2	1708.1	2177.1	2477.9	2220.1	1651.9	1422.4	1719.1	1798.7	1759.8
50°	1681.6	1890.7	2525.4	2975.8	2668.4	1853.2	1597.1	2087.5	2196.0	2151.9
52.5°	1940.3	2092.0	2909.3	3461.3	3157.1	2082.3	1850.4	2574.0	2609.9	2527.5
55°	2304.6	2382.4	3402.1	4060.9	3702.5	2364.5	2220.8	3184.6	3084.3	2848.3
57.5°	3134.0	2842.1	4034.7	4744.9	4319.7	2877.3	3032.7	3857.9	3501.3	3103.3
60°	3828.0	3400.3	4620.1	5423.7	4848.6	3442.4	3794.9	3975.1	3485.8	3075.0
62.5°	3594.0	3542.6	4831.4	5498.5	5029.2	3720.4	3653.3	3679.8	3258.4	2887.2
65°	3153.3	3268.0	4642.9	5143.9	4829.0	3471.3	3304.5	3406.9	2998.2	2624.3
67.5°	2893.1	2977.5	4307.6	4576.4	4465.1	3201.9	3033.4	2959.3	2594.4	2276.6
70°	2627.1	2697.0	3836.9	3864.1	3897.6	2753.9	2480.3	2259.8	1933.8	1711.5
72.5°	2270.1	2273.9	3241.8	3084.0	3147.4	2155.0	1996.5	1689.5	1407.6	1206.0
75°	1904.5	1800.4	2566.1	2155.7	2282.9	1676.4	1657.8	1273.2	1061.7	896.3
77.5°	1452.1	1330.4	1874.5	1417.6	1603.3	1116.4	1246.4	863.5	747.1	596.5
80°	974.8	899.0	1035.8	800.1	1048.9	769.5	812.9	489.3	424.2	329.1
82.5°	514.1	439.0	640.2	474.5	632.7	422.8	305.0	151.3	128.9	104.1
85°	199.2	230.5	313.9	168.8	245.3	150.9	88.2	37.6	31.4	23.8
87.5°	38.6	59.6	32.7	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

(END OF REPORT)