

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: P629356

Luminaire Tested: GWS-SA1B-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629356  
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-SA1B-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

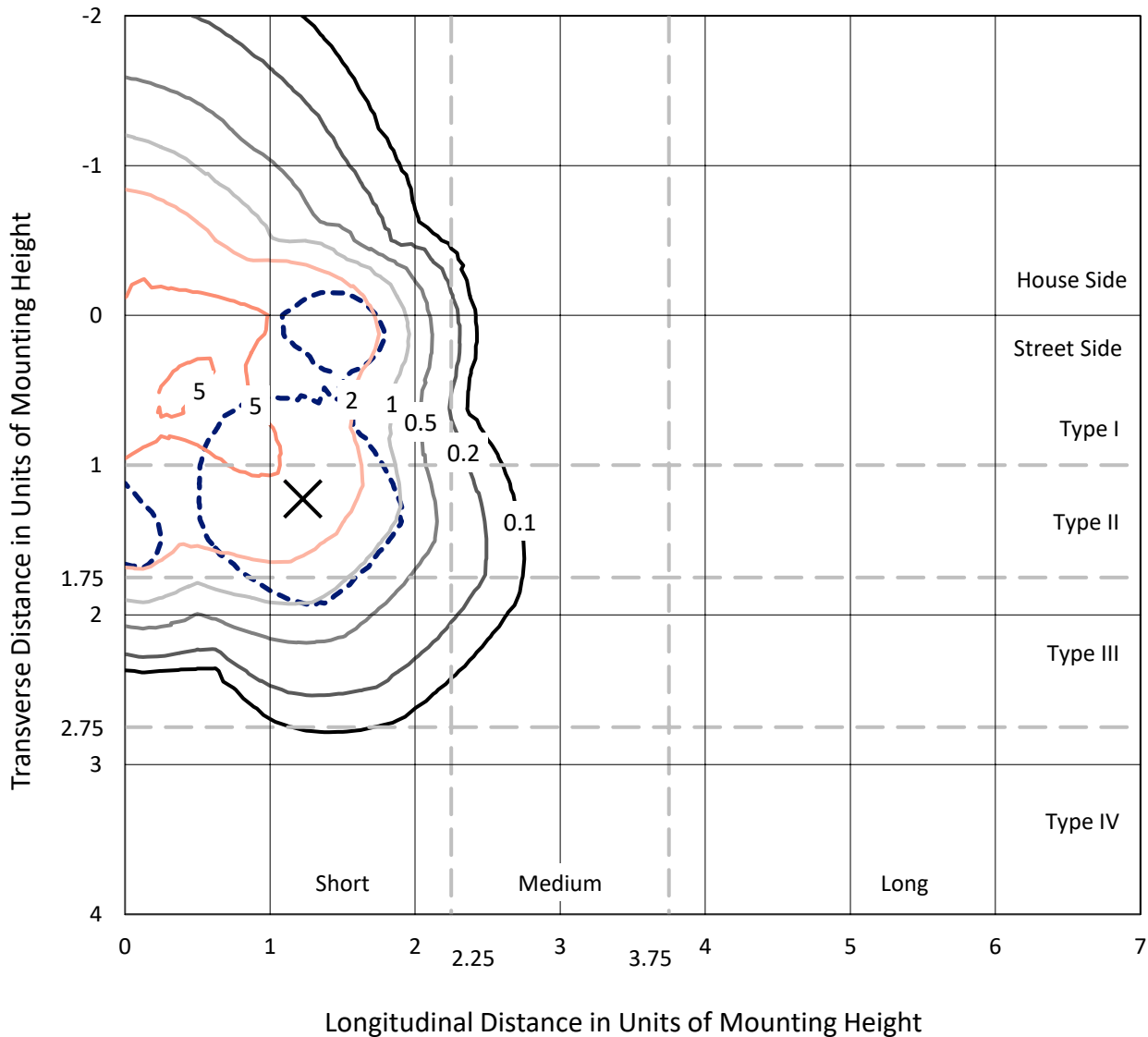
Lumens per Lamp: N/A  
Luminaire Lumens: 2804.1 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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: P629356  
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

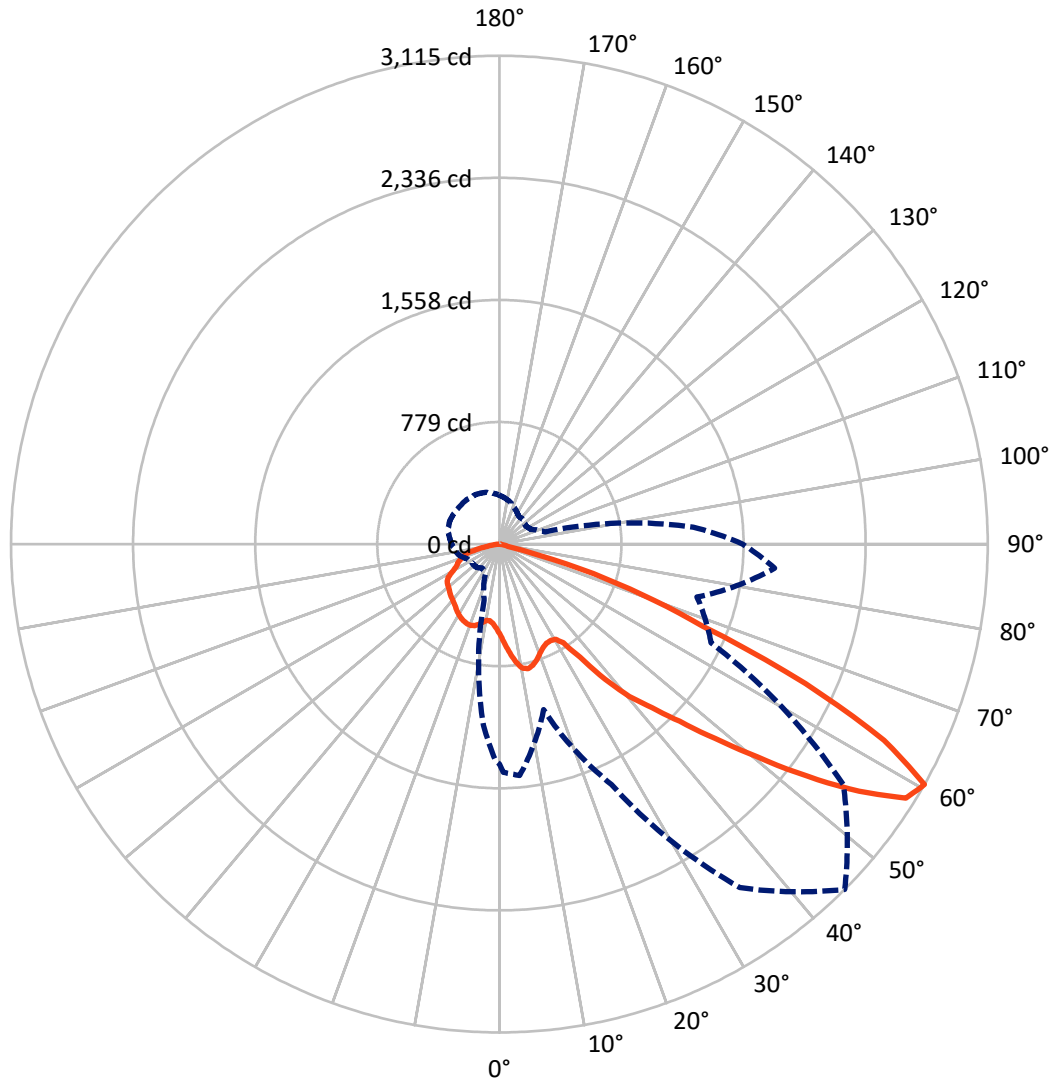
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P629356  
CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P629356

CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	982.9	0.0	982.9
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	1821.2	0.0	1821.2
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	2804.1	0.0	2804.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.2	2.0
10°-20°	177.6	6.3
20°-30°	288.5	10.3
30°-40°	406.9	14.5
40°-50°	562.3	20.1
50°-60°	723.8	25.8
60°-70°	458.6	16.4
70°-80°	117.7	4.2
80°-90°	12.6	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°	2804.1	100.0
0°-180°	2804.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629356

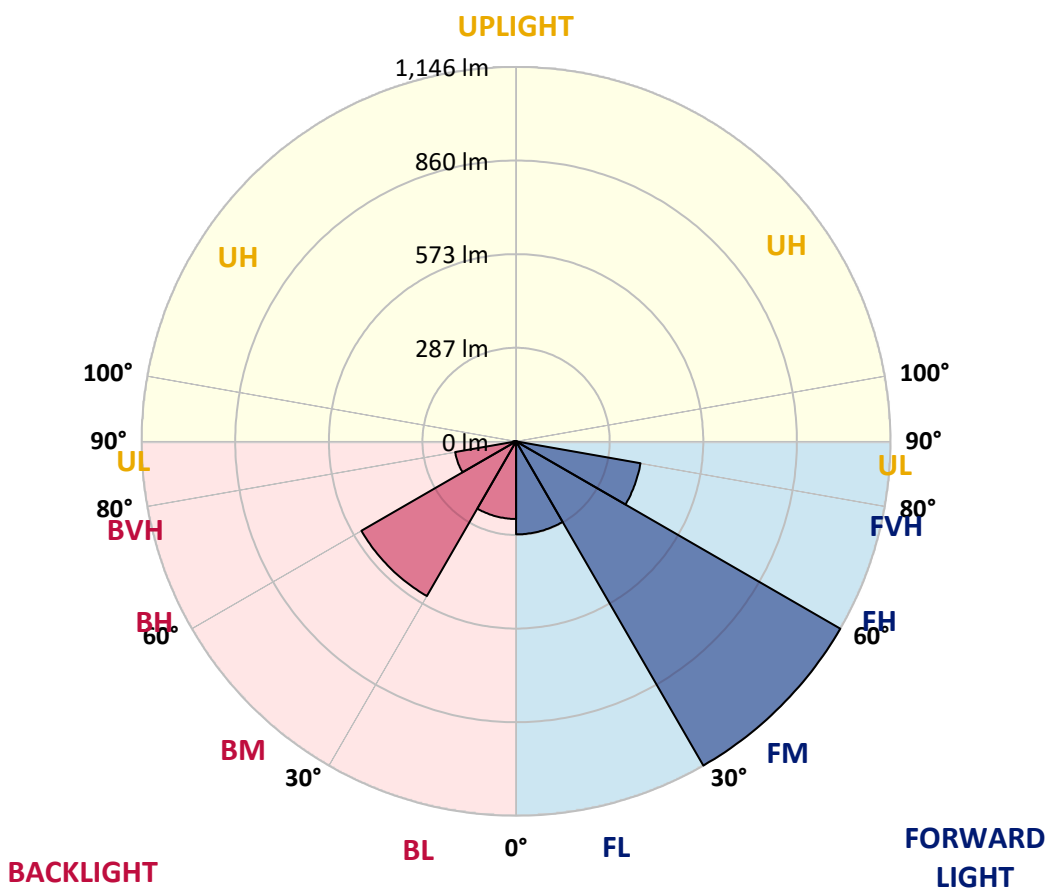
CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.7	10.2			
FM (30°-60°)	1146.2	40.9			
FH (60°-80°)	386.9	13.8			G0/660
FVH (80°-90°)	3.4	0.1			G0/10
BL (0°-30°)	237.6	8.5	B1/500		
BM (30°-60°)	546.8	19.5	B1/1000		
BH (60°-80°)	189.4	6.8	B1/500		G1/500
BVH (80°-90°)	9.2	0.3			G0/10
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: P629356  
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2.5°	602.5	606.6	609.2	614.1	622.8	627.7	633.1	627.2	628.7	627.9	618.4
5°	638.2	643.1	649.8	664.2	680.4	689.4	697.8	696.5	688.6	675.2	665.7
7.5°	671.6	677.3	688.8	712.2	736.1	750.0	760.3	753.6	746.9	725.8	701.9
10°	697.8	701.2	716.8	748.2	775.9	791.6	804.2	802.7	793.4	769.8	737.7
12.5°	722.5	724.8	741.8	773.1	798.0	805.0	815.2	818.6	815.5	797.8	766.2
15°	749.0	753.3	769.0	792.9	804.2	797.0	800.6	809.9	818.6	818.6	789.6
17.5°	773.6	777.5	793.4	803.7	792.9	773.9	774.9	786.7	807.5	829.4	810.9
20°	795.5	799.1	814.7	805.0	770.8	743.1	742.3	756.7	790.3	836.3	833.7
22.5°	819.4	824.5	837.6	806.0	750.2	715.0	714.8	729.7	775.2	843.3	860.0
25°	853.3	861.2	867.9	815.0	739.2	696.8	700.1	714.3	770.3	854.6	898.8
27.5°	903.6	910.1	909.5	833.7	738.7	689.4	696.3	712.7	779.0	874.6	939.6
30°	958.1	961.4	956.0	860.0	750.5	694.0	704.3	723.8	801.1	907.7	999.7
32.5°	1018.5	1022.6	1012.3	899.3	778.0	728.1	750.8	760.3	832.2	955.5	1063.4
35°	1087.9	1095.8	1074.5	951.2	858.9	852.8	885.6	873.3	898.2	1012.1	1131.5
37.5°	1160.8	1161.1	1130.5	1028.0	1017.7	1028.2	1094.0	1055.5	1038.3	1075.0	1200.9
40°	1222.7	1221.2	1174.2	1131.5	1155.9	1197.8	1277.2	1218.1	1172.9	1159.5	1258.5
42.5°	1284.7	1279.0	1231.5	1197.3	1251.3	1337.3	1427.0	1354.6	1259.2	1236.4	1315.2
45°	1363.8	1362.0	1304.7	1223.5	1337.3	1493.6	1612.5	1495.1	1310.4	1281.1	1409.8
47.5°	1491.5	1482.8	1376.1	1221.5	1418.0	1701.7	1852.0	1672.1	1346.1	1282.1	1562.4
50°	1616.4	1605.6	1461.4	1221.2	1501.3	1917.5	2134.6	1887.2	1382.6	1288.3	1717.6
52.5°	1742.5	1742.5	1601.5	1250.2	1588.6	2158.5	2461.2	2155.2	1444.7	1368.9	1908.5
55°	1817.5	1837.6	1759.0	1299.3	1690.9	2442.2	2784.1	2444.5	1540.8	1514.6	2084.8
57.5°	1722.2	1759.7	1748.4	1265.1	1751.3	2650.5	3058.0	2663.9	1588.4	1531.8	2058.3
60°	1403.4	1455.5	1481.5	1092.5	1691.6	2674.7	3115.3	2678.3	1490.2	1304.5	1763.1
62.5°	932.9	975.8	1015.4	780.6	1464.5	2406.2	2755.4	2407.0	1244.6	973.5	1221.5
65°	457.6	489.5	532.1	461.5	1144.1	2010.5	2148.2	1945.0	900.3	545.0	623.1
67.5°	119.7	128.7	134.6	179.1	819.6	1444.5	1401.1	1422.6	578.4	178.1	162.9
70°	62.2	62.7	62.4	74.0	553.9	918.0	965.6	893.4	403.6	74.5	64.2
72.5°	44.4	44.7	43.9	49.8	267.5	525.9	545.0	539.0	211.5	44.2	43.9
75°	29.0	29.3	28.8	29.3	40.3	59.9	55.2	58.1	35.2	28.0	28.0
77.5°	17.2	17.5	17.2	17.7	17.2	17.2	15.9	15.9	15.2	15.2	15.4
80°	11.6	11.6	11.3	11.8	10.8	10.8	10.3	10.0	9.2	9.0	9.0
82.5°	6.9	7.2	6.9	6.9	6.4	6.4	5.9	5.7	4.9	4.9	4.6
85°	3.6	3.6	3.3	3.3	2.8	2.6	2.1	2.1	1.5	1.3	1.3
87.5°	0.5	0.5	0.3	0.3	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



REPORT NUMBER: P629356  
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2.5°	615.9	610.7	603.0	595.6	588.6	581.4	573.2	564.7	557.5	550.1	546.2
5°	653.1	642.6	622.5	604.8	588.9	575.8	561.7	549.6	538.3	529.0	524.4
7.5°	686.8	670.3	640.0	612.0	590.4	572.4	552.9	534.9	519.8	508.5	504.1
10°	717.9	698.3	658.5	623.1	597.9	577.8	553.9	529.5	509.5	494.6	491.0
12.5°	743.1	720.7	673.2	632.1	602.3	580.7	559.6	538.5	518.7	499.5	496.4
15°	765.4	738.9	684.2	637.7	600.7	573.2	555.5	552.9	552.9	531.1	524.9
17.5°	784.7	755.6	693.2	640.3	590.9	551.1	540.3	562.7	587.9	572.2	558.3
20°	806.8	771.6	700.7	640.3	573.0	523.1	522.1	560.1	597.4	597.6	583.0
22.5°	829.1	790.1	709.4	638.0	548.3	490.7	509.8	549.8	583.0	597.1	587.1
25°	865.4	815.8	723.3	636.2	519.5	468.6	498.7	536.2	564.2	579.1	572.7
27.5°	911.3	849.7	744.3	639.0	491.0	455.5	486.9	518.5	543.9	557.0	552.4
30°	962.7	888.7	766.9	643.9	470.4	448.9	472.8	498.2	520.8	533.9	531.9
32.5°	1028.2	931.1	786.5	637.2	458.9	445.5	457.9	476.1	497.9	506.2	508.0
35°	1106.6	977.9	801.4	611.0	448.3	441.9	441.7	453.0	468.4	481.5	482.8
37.5°	1178.8	1032.6	817.8	566.0	429.3	432.9	422.7	429.3	444.5	457.6	462.7
40°	1250.2	1088.1	840.7	508.7	404.4	412.9	400.8	405.4	417.5	434.7	443.0
42.5°	1319.6	1138.2	864.8	450.1	379.5	384.9	375.9	380.5	393.1	414.7	423.9
45°	1395.1	1206.0	883.6	394.9	357.9	355.6	348.4	355.1	374.1	397.7	408.8
47.5°	1538.0	1312.9	895.9	358.2	346.3	329.6	321.4	335.8	357.4	381.3	394.6
50°	1712.5	1467.6	892.3	334.8	336.3	302.9	300.1	319.1	342.2	367.2	381.8
52.5°	1850.7	1619.5	851.5	312.4	316.8	286.0	277.7	305.5	327.6	353.0	368.2
55°	1956.3	1670.6	726.1	286.0	284.9	273.6	256.4	291.4	312.9	336.6	353.0
57.5°	1870.2	1556.8	538.3	249.5	243.3	249.2	232.5	267.5	295.0	318.3	333.0
60°	1552.1	1241.2	299.8	221.0	203.5	217.9	215.3	242.3	275.4	300.1	312.7
62.5°	1053.7	826.6	177.8	174.7	165.0	185.5	199.1	216.9	249.5	269.5	281.3
65°	525.2	401.6	118.2	130.8	132.1	152.6	178.3	197.8	225.1	245.6	257.4
67.5°	152.4	124.9	89.9	99.9	113.8	130.3	150.8	173.9	200.4	224.8	238.7
70°	65.8	66.5	71.4	83.2	96.9	113.8	134.4	157.0	179.3	198.1	208.6
72.5°	46.5	48.3	53.7	65.8	78.6	94.8	115.4	137.2	153.4	172.4	183.5
75°	29.8	31.1	35.5	44.7	54.2	69.9	89.4	109.5	126.2	139.8	150.3
77.5°	16.4	16.7	20.3	25.7	32.1	42.1	56.5	72.2	84.5	92.2	101.7
80°	9.5	9.5	11.3	14.6	18.5	24.7	32.6	40.3	47.8	52.7	57.3
82.5°	5.1	5.1	5.9	8.0	10.0	13.6	18.2	22.1	26.7	29.3	32.4
85°	1.5	1.5	2.1	2.8	3.6	5.1	7.2	9.2	11.3	13.1	14.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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: P629356  
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2.5°	545.5	541.9	539.8	537.2	538.0	535.7	534.4	535.2	530.6	535.2	539.8
5°	522.6	517.5	513.4	510.0	508.5	505.4	503.6	503.6	500.8	505.4	511.0
7.5°	502.6	498.5	496.4	494.3	492.0	489.2	486.1	485.1	483.3	488.2	493.1
10°	489.2	489.7	491.0	493.8	493.3	491.5	486.9	484.3	484.3	490.0	497.4
12.5°	495.4	500.8	503.8	509.0	510.0	508.5	503.8	501.8	506.9	515.4	527.7
15°	519.3	522.9	525.4	529.5	529.3	528.0	524.4	525.9	542.9	559.3	570.4
17.5°	545.2	541.1	540.6	543.2	543.9	542.4	540.3	547.3	575.3	590.7	596.3
20°	564.0	549.8	546.8	547.8	549.8	549.1	549.1	560.4	589.4	596.6	589.4
22.5°	569.6	549.6	545.0	545.2	548.0	548.3	549.6	561.4	578.4	578.6	567.6
25°	560.6	541.4	538.0	538.5	541.9	541.6	542.1	548.8	556.3	553.2	545.0
27.5°	543.7	527.0	525.9	528.8	533.1	530.8	529.3	531.1	534.7	530.8	523.6
30°	524.4	510.3	510.8	516.2	520.8	516.9	513.1	514.1	514.4	510.3	502.0
32.5°	504.1	493.6	495.4	501.0	506.4	502.3	498.2	497.7	492.8	487.9	480.0
35°	483.8	479.7	482.0	486.6	491.3	487.9	485.3	483.8	473.3	466.1	459.4
37.5°	465.3	468.4	472.5	475.3	476.9	476.6	475.1	471.5	457.6	449.1	440.4
40°	448.9	458.4	462.7	464.0	466.3	465.8	465.6	460.4	442.2	433.2	423.2
42.5°	434.0	447.3	454.8	456.1	457.3	457.6	456.8	449.4	428.6	418.0	408.5
45°	419.6	437.0	446.5	445.3	447.1	447.1	447.8	438.1	415.2	404.4	394.4
47.5°	407.0	427.5	436.3	434.7	435.8	436.5	437.3	426.0	400.6	390.3	380.0
50°	395.4	417.3	424.7	425.2	425.2	427.0	426.8	415.7	388.2	377.2	366.9
52.5°	383.1	406.7	414.7	418.0	419.1	419.8	416.2	403.4	375.6	362.3	352.8
55°	368.7	395.9	403.1	407.5	409.6	409.0	404.2	391.1	362.8	349.4	338.6
57.5°	346.9	372.8	383.1	385.1	388.5	386.4	380.8	369.7	342.2	328.9	317.8
60°	323.0	341.7	349.9	351.7	349.2	349.9	349.2	338.6	314.7	304.2	292.9
62.5°	291.6	308.3	317.1	319.4	315.0	317.8	316.8	303.7	279.8	268.8	258.7
65°	268.0	286.2	296.5	297.8	296.5	297.8	294.2	278.3	255.6	244.3	234.1
67.5°	249.5	268.2	279.0	282.6	281.3	281.1	275.4	256.9	233.6	221.2	208.1
70°	217.6	234.1	247.9	256.7	256.7	251.8	241.0	223.8	205.0	194.5	184.2
72.5°	192.7	213.5	227.1	236.1	237.9	235.1	219.9	201.7	180.1	169.6	158.8
75°	158.8	179.1	193.7	205.5	207.9	204.8	187.3	169.3	149.3	139.0	128.2
77.5°	106.1	118.2	130.0	140.8	138.5	140.5	128.7	115.1	102.8	95.1	90.2
80°	59.9	67.8	71.4	77.3	77.3	77.3	69.6	63.2	56.3	51.9	47.0
82.5°	33.9	39.1	40.6	45.5	46.8	47.0	41.9	37.8	33.4	31.1	27.7
85°	15.7	18.5	18.8	21.6	22.6	24.7	22.4	19.5	17.0	15.9	13.9
87.5°	0.5	1.5	2.1	3.9	5.1	5.9	6.4	6.4	5.4	4.9	4.1
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: P629356  
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2.5°	545.5	551.6	558.8	564.0	573.2	580.9	588.9	597.6	604.1	602.5
5°	518.0	528.3	541.4	553.4	570.6	588.1	607.4	627.2	638.7	638.2
7.5°	502.6	517.2	533.1	549.3	569.6	594.8	624.3	655.2	670.9	671.6
10°	510.8	526.5	537.2	550.9	572.2	603.8	639.2	676.2	694.2	697.8
12.5°	536.7	535.4	534.7	544.4	570.1	610.2	653.6	697.8	718.1	722.5
15°	561.4	534.9	519.0	525.7	560.9	614.3	667.8	721.5	744.3	749.0
17.5°	566.0	525.9	496.4	501.0	546.2	615.6	681.4	744.6	769.3	773.6
20°	553.2	514.4	480.0	473.5	527.7	612.3	689.9	763.9	790.8	795.5
22.5°	537.0	504.1	467.6	450.9	505.1	608.9	699.4	784.2	815.2	819.4
25°	520.0	491.0	456.1	430.6	479.4	606.9	715.3	810.9	848.4	853.3
27.5°	502.0	475.1	446.0	420.9	455.8	609.4	737.9	854.0	896.7	903.6
30°	482.8	459.1	439.6	417.5	439.6	611.8	762.8	898.2	948.3	958.1
32.5°	462.7	444.5	432.9	419.1	429.6	606.4	784.7	947.8	1010.0	1018.5
35°	442.7	429.6	424.5	421.9	416.2	586.6	802.4	997.9	1080.4	1087.9
37.5°	423.9	414.2	412.6	415.5	395.7	554.2	823.0	1061.6	1149.5	1160.8
40°	406.5	397.5	397.2	396.7	373.1	510.0	850.7	1126.4	1217.6	1222.7
42.5°	390.3	379.0	381.0	374.9	354.6	462.2	876.9	1181.6	1281.1	1284.7
45°	375.9	361.0	363.3	355.6	345.8	412.1	900.0	1246.9	1361.5	1363.8
47.5°	362.0	346.1	339.7	339.2	344.3	365.9	922.6	1372.5	1487.4	1491.5
50°	349.2	332.0	313.7	325.0	334.8	331.2	950.9	1507.2	1617.4	1616.4
52.5°	336.8	314.2	288.3	310.1	310.1	305.5	942.9	1588.9	1724.8	1742.5
55°	322.7	285.7	261.8	285.2	273.9	282.4	801.9	1615.6	1792.4	1817.5
57.5°	294.7	250.5	229.7	242.3	225.3	261.8	576.0	1483.0	1677.5	1722.2
60°	267.7	224.6	210.9	208.6	186.5	213.5	373.3	1161.1	1380.8	1403.4
62.5°	236.1	202.2	190.6	172.9	150.0	155.4	226.1	764.1	927.8	932.9
65°	212.2	183.2	161.1	140.0	122.8	112.8	133.6	368.4	463.8	457.6
67.5°	182.2	157.0	135.9	120.8	106.6	94.0	88.9	109.5	123.8	119.7
70°	162.1	138.0	117.7	103.3	90.2	77.6	68.6	64.5	63.2	62.2
72.5°	139.8	118.7	97.6	83.8	71.4	59.9	51.6	46.8	45.5	44.4
75°	111.5	91.7	72.5	59.4	48.6	40.3	34.9	30.8	30.1	29.0
77.5°	73.7	58.8	43.2	35.2	28.8	24.4	20.8	18.2	17.7	17.2
80°	40.6	33.9	26.5	21.3	17.2	14.9	13.6	12.1	11.8	11.6
82.5°	24.2	20.3	15.2	12.1	10.0	9.0	8.2	7.5	7.2	6.9
85°	12.1	9.5	6.7	5.7	5.1	4.6	4.6	3.9	3.6	3.6
87.5°	3.1	2.6	1.5	1.3	1.3	1.3	1.0	0.8	0.8	0.5
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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