

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: P630342

Luminaire Tested: GWS-SA1D-740-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630342  
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-SA1D-740-U-SLL-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**

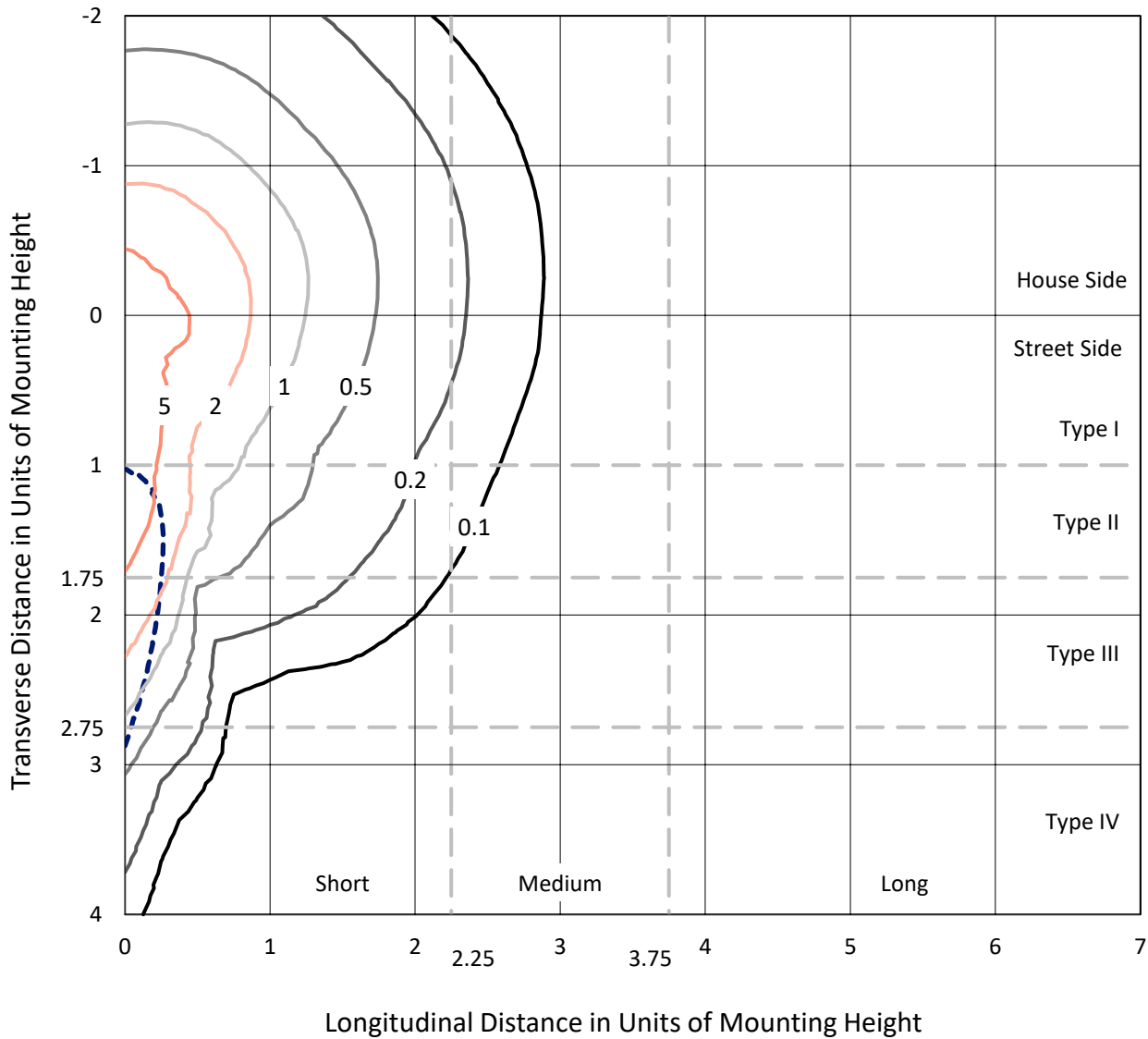
Lumens per Lamp: N/A  
Luminaire Lumens: 5683.2 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P630342  
 CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

### Iso-Footcandle Lines of Horizontal Illumination

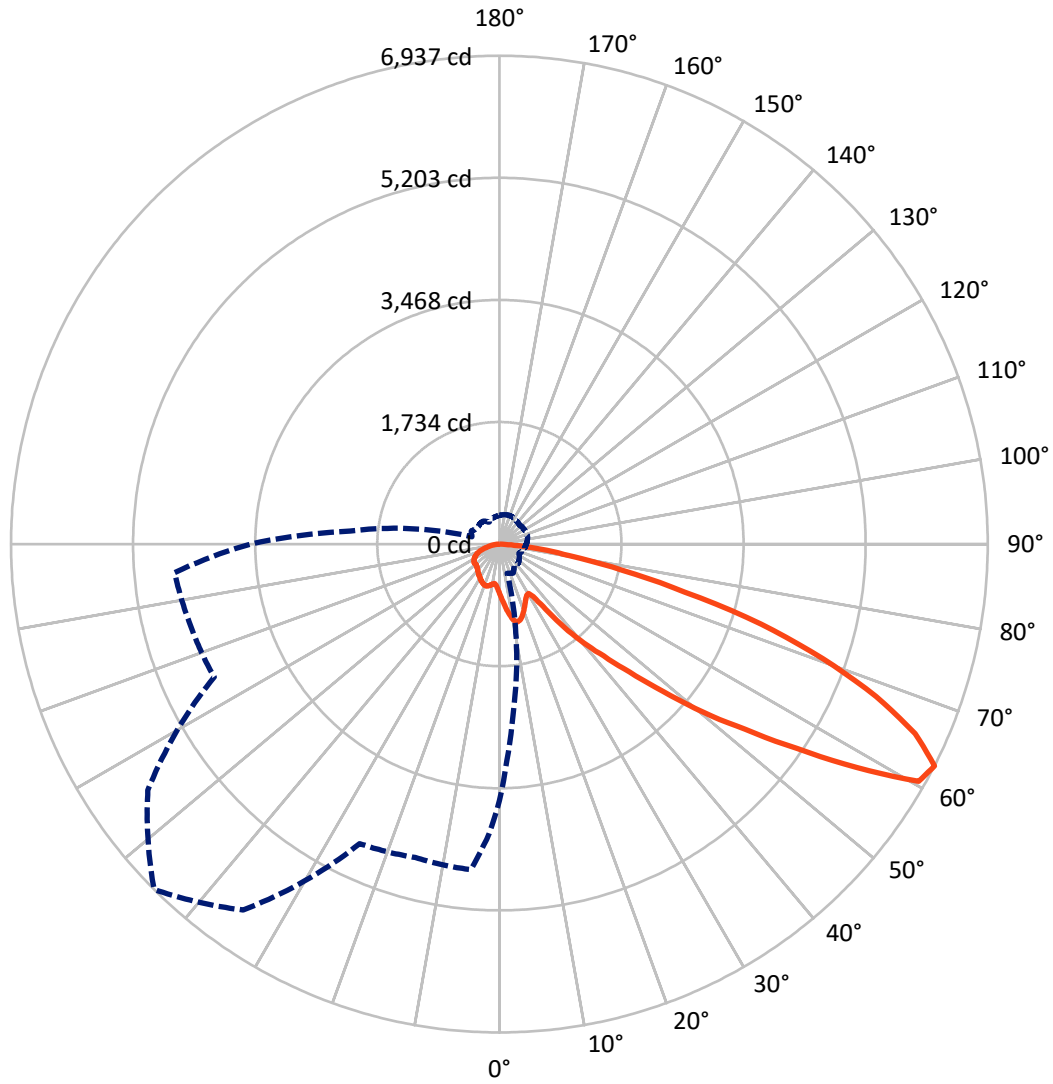
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P630342  
CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630342

CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1358.9	0.0	1358.9
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	4324.4	0.0	4324.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	5683.2	0.0	5683.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.8	1.2
10°-20°	226.9	4.0
20°-30°	357.1	6.3
30°-40°	489.5	8.6
40°-50°	763.8	13.4
50°-60°	1317.0	23.2
60°-70°	1526.2	26.9
70°-80°	805.6	14.2
80°-90°	127.3	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°	5683.2	100.0
0°-180°	5683.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630342

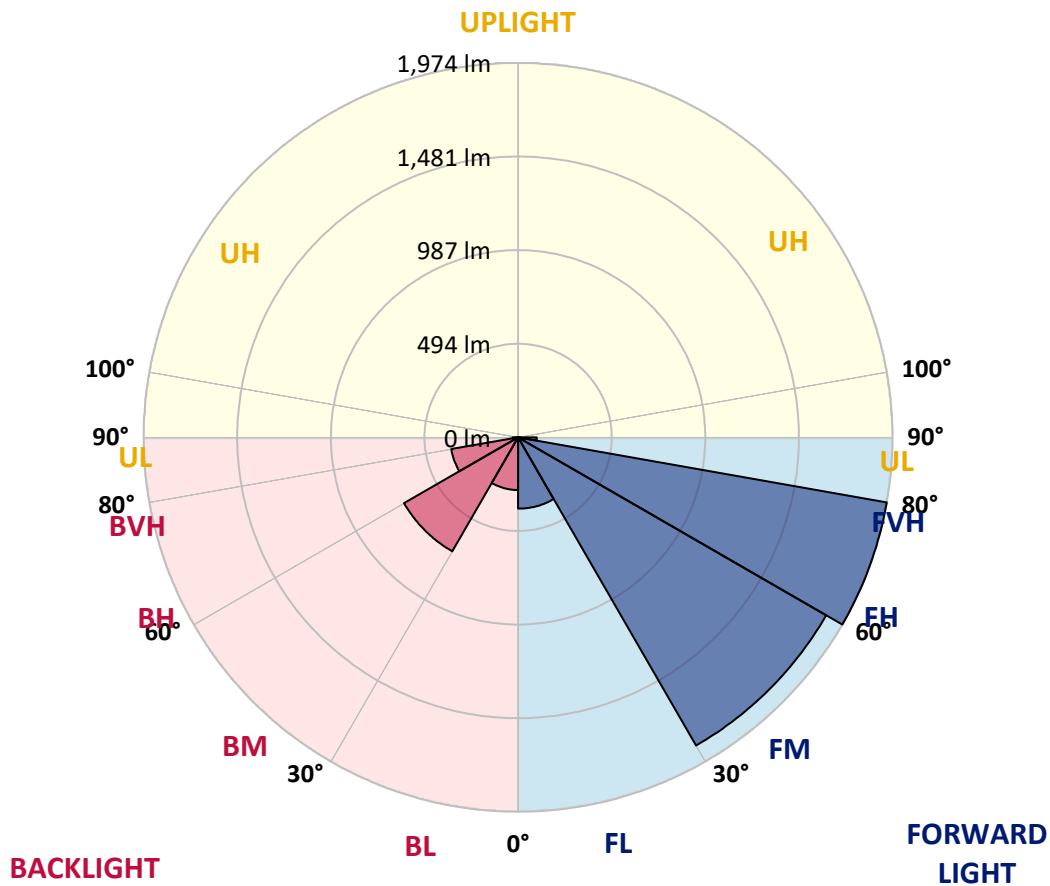
CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.9	6.6			
FM (30°-60°)	1876.2	33.0			
FH (60°-80°)	1974.0	34.7			G2/5000
FVH (80°-90°)	98.2	1.7			G1/100
BL (0°-30°)	277.9	4.9	B1/500		
BM (30°-60°)	694.1	12.2	B1/1000		
BH (60°-80°)	357.8	6.3	B1/500		G1/500
BVH (80°-90°)	29.0	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-G2**

Type III Short





REPORT NUMBER: P630342  
 CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6
2.5°	769.9	766.8	762.5	747.7	738.6	728.1	717.3	704.7	690.3	680.3	670.3
5°	835.1	830.3	819.9	784.7	760.3	733.8	711.6	686.4	661.6	644.7	627.7
7.5°	897.7	891.6	875.5	821.6	782.0	743.8	710.3	673.8	636.9	611.6	591.6
10°	960.3	947.7	927.2	856.8	804.6	760.3	722.1	677.3	628.2	593.8	572.5
12.5°	1008.1	996.4	974.2	889.0	827.3	771.6	728.6	687.3	645.5	609.0	587.3
15°	1052.9	1037.7	1012.4	919.0	845.9	771.2	715.5	679.5	673.4	664.2	636.0
17.5°	1085.0	1071.1	1045.0	943.3	856.4	757.7	679.5	658.2	685.5	713.4	686.4
20°	1113.3	1097.2	1070.7	960.3	858.6	727.7	635.5	636.0	679.0	717.3	710.8
22.5°	1137.2	1119.4	1095.9	979.4	857.7	686.0	597.3	623.4	666.4	696.4	697.3
25°	1166.8	1152.0	1132.4	1007.7	857.7	643.4	569.5	608.2	645.1	670.3	669.5
27.5°	1202.8	1192.8	1176.8	1050.7	865.5	607.7	553.8	588.6	617.7	639.5	639.0
30°	1243.3	1234.1	1222.0	1096.3	879.0	581.2	545.1	564.3	585.6	602.9	602.9
32.5°	1284.6	1281.1	1268.0	1132.9	868.6	572.9	537.7	539.9	551.2	565.6	564.3
35°	1341.9	1338.5	1322.0	1161.1	823.3	561.2	526.0	515.1	516.4	525.6	528.6
37.5°	1425.8	1420.6	1396.3	1194.1	755.1	531.7	506.9	489.0	485.1	489.0	494.7
40°	1527.1	1519.3	1486.3	1238.9	676.4	491.7	476.9	462.1	455.6	456.9	463.4
42.5°	1654.1	1637.6	1590.2	1286.3	598.6	456.4	443.4	434.3	426.9	426.0	438.6
45°	1860.1	1814.9	1739.7	1328.5	533.0	437.8	413.4	406.9	400.8	404.3	419.1
47.5°	2220.1	2136.6	1990.1	1364.6	493.0	438.2	389.5	382.5	382.1	389.1	405.6
50°	2714.8	2594.3	2368.3	1388.9	472.1	443.4	375.2	363.9	372.1	379.1	394.7
52.5°	3188.6	3004.7	2735.6	1388.5	463.0	444.3	379.1	346.5	372.1	373.9	388.6
55°	3593.3	3260.3	2834.7	1245.9	449.9	440.8	394.3	333.0	367.3	373.9	385.6
57.5°	3915.0	3422.9	2827.4	1006.4	489.5	421.7	403.4	329.9	353.4	374.7	388.2
60°	3879.4	3348.6	2645.2	617.7	485.6	387.8	402.1	335.6	329.9	363.0	385.2
62.5°	3642.4	3082.1	2331.8	428.6	456.0	368.2	380.8	345.6	308.2	346.0	370.4
65°	3310.8	2738.2	1943.2	328.6	377.8	369.1	344.7	338.6	289.1	319.1	345.2
67.5°	2872.1	2311.8	1534.1	260.4	263.4	319.5	313.0	300.8	271.3	295.2	318.6
70°	2159.2	1687.1	1055.5	209.5	199.5	266.9	281.3	270.4	253.9	260.8	285.6
72.5°	1521.5	1101.6	578.2	166.1	153.9	205.2	244.3	242.6	224.3	229.5	253.9
75°	1130.7	779.4	361.2	131.3	125.2	146.9	204.7	210.0	194.8	200.8	219.5
77.5°	752.5	504.7	200.8	97.4	97.4	107.4	152.6	176.9	165.6	170.4	183.4
80°	415.1	256.9	100.4	63.9	65.6	73.9	111.3	127.4	127.8	139.5	143.0
82.5°	131.3	81.7	44.8	37.4	35.2	42.2	71.7	91.3	85.2	108.7	100.0
85°	30.0	19.1	8.3	8.3	9.1	13.9	27.4	48.7	62.2	74.8	54.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	19.1	28.3	25.2
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: P630342  
 CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6
2.5°	664.2	655.5	652.9	645.5	644.7	637.7	635.1	635.1	638.2	638.2	641.2
5°	620.8	609.9	603.8	595.1	592.9	587.7	584.3	584.7	588.6	591.2	596.4
7.5°	582.5	575.1	570.8	566.9	566.0	565.1	561.2	560.8	562.1	566.0	569.9
10°	566.4	561.2	562.5	565.6	570.3	572.9	569.5	567.7	566.4	569.0	572.5
12.5°	582.1	576.9	579.5	584.7	591.2	593.8	592.5	592.1	593.4	603.4	610.8
15°	616.4	606.4	602.9	605.1	610.3	612.9	611.6	613.4	621.6	647.7	666.4
17.5°	659.0	634.7	620.8	616.9	619.0	621.2	621.2	625.5	639.9	678.1	701.6
20°	682.1	650.3	626.9	617.3	618.2	620.3	620.3	626.4	642.5	683.4	698.6
22.5°	676.0	646.8	618.2	607.7	608.2	609.9	609.9	615.1	629.5	665.5	672.5
25°	652.1	626.4	598.2	589.0	589.9	592.9	592.1	595.1	606.0	635.5	639.5
27.5°	623.4	600.8	572.9	566.0	569.9	576.0	570.8	571.2	581.2	606.0	606.4
30°	592.5	573.8	549.0	543.8	551.2	554.3	549.5	549.5	559.5	576.4	576.0
32.5°	559.0	547.3	529.5	523.8	532.1	536.9	530.8	531.7	539.5	550.8	546.4
35°	527.7	521.7	513.4	509.5	514.7	519.0	515.1	516.9	524.3	527.3	521.2
37.5°	497.7	496.9	497.7	497.7	499.0	500.4	497.7	502.1	508.6	504.7	497.7
40°	471.7	475.1	483.4	481.2	479.9	481.2	479.5	486.9	493.4	486.4	478.2
42.5°	449.9	456.4	469.1	469.1	466.4	467.3	466.4	475.6	480.4	470.8	461.7
45°	431.2	440.8	456.9	459.1	454.7	454.7	456.4	467.7	469.5	456.4	446.9
47.5°	418.2	429.9	448.2	452.1	445.6	445.1	449.9	462.1	462.1	446.9	436.0
50°	409.1	422.1	443.8	449.1	442.5	440.8	448.6	460.4	457.7	439.5	428.6
52.5°	403.0	416.5	443.4	450.8	446.4	444.7	452.5	460.8	454.3	434.7	423.4
55°	399.1	413.8	444.7	450.8	446.0	443.0	450.8	458.2	454.7	432.1	421.2
57.5°	401.2	416.0	443.0	446.0	440.4	435.1	444.3	454.7	453.4	433.0	422.1
60°	397.8	411.2	433.4	434.3	424.7	416.5	429.9	445.6	445.6	429.9	420.4
62.5°	381.7	395.2	414.7	415.6	404.7	395.6	411.2	429.9	429.5	416.9	406.9
65°	355.2	367.8	389.9	392.1	381.2	371.7	387.8	405.1	406.5	395.2	386.5
67.5°	326.0	337.3	353.9	362.5	353.4	343.4	358.2	374.7	374.3	360.8	351.7
70°	291.3	301.7	316.9	324.3	318.6	309.1	322.6	331.2	327.3	320.8	314.7
72.5°	256.9	266.9	281.3	281.3	275.2	266.0	270.0	285.6	290.4	285.6	281.7
75°	220.8	229.5	239.5	241.7	228.2	211.7	230.0	243.4	249.1	246.9	242.1
77.5°	183.9	190.4	205.2	201.3	176.1	167.4	182.1	202.1	206.1	204.7	198.2
80°	141.7	145.6	161.3	153.5	133.9	128.2	134.8	150.4	151.3	146.9	138.7
82.5°	95.2	100.4	110.9	95.6	95.2	90.0	84.8	86.5	94.3	93.5	87.8
85°	48.7	51.3	61.3	57.4	49.1	42.6	40.4	43.0	38.7	35.2	30.4
87.5°	20.4	22.2	30.4	17.0	5.2	0.0	0.0	2.6	3.9	5.7	6.1
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: P630342  
 CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6
2.5°	648.2	652.9	664.7	679.5	693.8	708.6	724.7	734.7	746.8	762.5	762.9
5°	602.9	613.8	630.8	653.4	676.8	703.8	735.1	761.2	792.5	817.3	827.3
7.5°	575.1	590.8	612.1	640.8	671.6	705.1	746.0	789.9	841.2	874.2	893.8
10°	577.7	601.6	622.9	647.3	675.1	711.2	763.8	822.0	885.1	928.5	952.9
12.5°	624.2	649.5	645.5	644.2	662.9	706.8	778.1	854.6	931.6	975.1	1004.2
15°	682.9	692.5	655.5	627.7	639.0	691.2	786.0	883.8	970.3	1023.3	1052.0
17.5°	712.9	693.8	649.0	607.3	604.2	667.3	789.9	913.3	1013.7	1066.8	1097.2
20°	699.0	671.2	633.4	593.8	572.1	634.7	787.7	936.8	1053.3	1112.4	1137.2
22.5°	669.0	644.7	615.1	577.3	546.0	599.0	782.0	960.3	1088.5	1148.1	1169.8
25°	636.4	618.2	593.8	560.8	531.2	567.7	778.1	991.6	1128.9	1185.9	1199.8
27.5°	603.8	590.3	570.3	544.7	527.7	546.0	779.4	1032.4	1181.1	1235.0	1229.4
30°	571.6	559.9	546.0	534.7	527.3	540.8	776.0	1075.9	1238.5	1288.5	1255.0
32.5°	541.2	530.3	521.7	523.4	527.7	543.0	758.1	1115.5	1291.1	1333.7	1282.8
35°	515.1	503.8	503.8	509.9	526.0	535.6	712.1	1146.3	1349.3	1391.9	1322.4
37.5°	490.8	480.8	487.3	497.3	512.5	515.6	652.9	1176.3	1434.1	1474.1	1383.7
40°	469.5	459.5	471.2	483.8	491.7	490.4	592.9	1218.1	1534.1	1575.4	1465.0
42.5°	452.5	443.4	453.8	469.9	471.2	472.5	549.0	1258.1	1650.2	1702.8	1604.9
45°	438.6	432.1	437.3	453.4	453.4	473.4	521.7	1291.5	1824.9	1917.9	1861.9
47.5°	427.8	423.8	426.5	431.7	440.4	489.0	504.3	1317.2	2143.1	2325.7	2269.2
50°	421.7	417.8	421.2	410.4	436.4	496.9	498.6	1336.7	2562.6	2848.7	2778.7
52.5°	416.5	415.1	417.3	392.1	445.1	491.7	494.3	1310.7	2843.9	3363.4	3432.5
55°	414.7	415.6	405.1	378.6	455.6	474.3	481.2	1124.2	2920.4	3807.2	4236.2
57.5°	415.6	413.0	386.5	379.9	456.0	439.5	499.9	802.0	2809.1	4000.2	5022.6
60°	412.5	399.5	363.9	391.7	436.0	398.6	486.4	523.0	2515.7	3852.0	5068.3
62.5°	399.1	379.9	344.3	398.2	400.4	374.3	441.7	403.0	2124.4	3534.6	4628.4
65°	379.5	353.9	327.8	384.7	364.3	363.0	332.1	323.0	1708.4	3156.9	4211.0
67.5°	347.3	321.7	315.6	353.9	327.8	321.7	266.9	267.8	1363.3	2754.3	3791.5
70°	310.8	285.2	290.0	319.9	291.7	267.3	216.1	223.0	1034.2	2294.8	3226.0
72.5°	286.9	252.6	253.0	281.7	256.5	216.5	177.8	183.9	656.4	1729.7	2564.8
75°	242.1	222.6	213.0	228.2	217.8	168.7	149.5	148.2	389.1	1239.8	1920.5
77.5°	202.1	186.9	182.1	188.2	162.6	124.8	120.4	118.2	220.4	794.2	1258.5
80°	146.5	142.6	142.2	145.2	125.2	91.7	91.7	92.2	118.7	431.2	709.4
82.5°	93.0	101.7	90.0	100.0	85.2	65.2	60.9	69.1	68.2	183.9	299.1
85°	38.7	53.0	49.6	52.6	40.4	35.6	38.3	41.3	39.6	70.9	116.5
87.5°	7.4	8.7	9.6	9.1	9.1	11.3	12.6	15.2	15.2	20.4	35.2
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: P630342  
 CATALOG NUMBER: GWS-SA1D-740-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6	708.6
2.5°	779.4	792.0	789.4	795.1	787.7	790.3	775.5	771.6	769.0	769.9
5°	859.4	885.1	889.9	899.4	892.9	892.9	866.8	847.2	840.3	835.1
7.5°	940.7	977.7	1002.0	1004.6	1001.1	994.2	956.4	921.2	908.5	897.7
10°	1012.9	1057.2	1084.6	1097.6	1091.1	1080.3	1033.3	985.1	969.8	960.3
12.5°	1068.1	1107.2	1125.5	1134.2	1133.3	1129.4	1091.1	1039.0	1022.9	1008.1
15°	1103.7	1123.3	1116.3	1115.9	1122.0	1137.6	1125.9	1085.0	1066.3	1052.9
17.5°	1126.8	1108.1	1077.2	1062.9	1075.9	1112.9	1139.8	1116.8	1099.8	1085.0
20°	1135.0	1068.5	1023.7	997.2	1012.4	1065.9	1132.4	1139.8	1125.5	1113.3
22.5°	1125.5	1020.3	959.4	928.1	942.9	1006.8	1110.7	1158.5	1148.9	1137.2
25°	1102.0	969.8	896.8	868.6	884.6	949.8	1072.0	1175.9	1176.3	1166.8
27.5°	1072.9	923.3	852.9	826.4	842.0	902.9	1034.2	1191.1	1206.3	1202.8
30°	1043.3	895.5	832.0	813.3	825.1	879.0	995.5	1206.8	1237.2	1243.3
32.5°	1029.8	909.0	881.2	889.4	874.2	892.9	981.6	1228.9	1274.6	1284.6
35°	1047.7	1028.5	1098.9	1131.6	1077.6	1006.8	999.4	1262.4	1327.2	1341.9
37.5°	1134.2	1284.6	1389.8	1504.5	1411.1	1255.0	1087.6	1319.3	1402.4	1425.8
40°	1322.4	1508.0	1698.0	1846.2	1704.9	1495.0	1255.4	1404.1	1505.8	1527.1
42.5°	1499.7	1717.5	1979.2	2170.9	1987.5	1691.0	1436.3	1546.7	1642.3	1654.1
45°	1673.6	1923.2	2319.6	2586.1	2337.0	1877.5	1621.0	1787.5	1859.7	1860.1
47.5°	1877.5	2154.9	2746.5	3126.0	2800.8	2084.0	1794.5	2168.8	2269.2	2220.1
50°	2121.4	2385.3	3186.0	3754.2	3366.4	2337.9	2014.9	2633.5	2770.4	2714.8
52.5°	2447.9	2639.1	3670.3	4366.7	3982.8	2627.0	2334.4	3247.3	3292.5	3188.6
55°	2907.3	3005.6	4291.9	5123.1	4671.0	2983.0	2801.7	4017.6	3891.1	3593.3
57.5°	3953.7	3585.5	5090.0	5986.0	5449.5	3629.8	3825.9	4867.0	4417.1	3915.0
60°	4829.2	4289.7	5828.6	6842.3	6116.8	4342.8	4787.5	5014.8	4397.5	3879.4
62.5°	4534.0	4469.3	6095.1	6936.7	6344.6	4693.6	4608.8	4642.3	4110.6	3642.4
65°	3978.0	4122.8	5857.3	6489.4	6092.0	4379.3	4168.9	4298.0	3782.4	3310.8
67.5°	3649.8	3756.3	5434.3	5773.4	5633.0	4039.3	3826.8	3733.3	3272.9	2872.1
70°	3314.2	3402.5	4840.5	4874.8	4917.0	3474.2	3129.0	2850.8	2439.6	2159.2
72.5°	2863.9	2868.7	4089.8	3890.7	3970.6	2718.7	2518.7	2131.4	1775.8	1521.5
75°	2402.6	2271.4	3237.3	2719.5	2880.0	2114.9	2091.4	1606.3	1339.3	1130.7
77.5°	1831.9	1678.4	2364.8	1788.4	2022.7	1408.5	1572.3	1089.4	942.5	752.5
80°	1229.8	1134.2	1306.7	1009.4	1323.3	970.7	1025.5	617.3	535.1	415.1
82.5°	648.6	553.8	807.7	598.6	798.1	533.4	384.7	190.8	162.6	131.3
85°	251.3	290.8	396.0	213.0	309.5	190.4	111.3	47.4	39.6	30.0
87.5°	48.7	75.2	41.3	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

(END OF REPORT)