

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: P629358

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629358
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-SA1B-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3393.5 lumens
Efficiency: N/A
Efficacy: 135.7 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

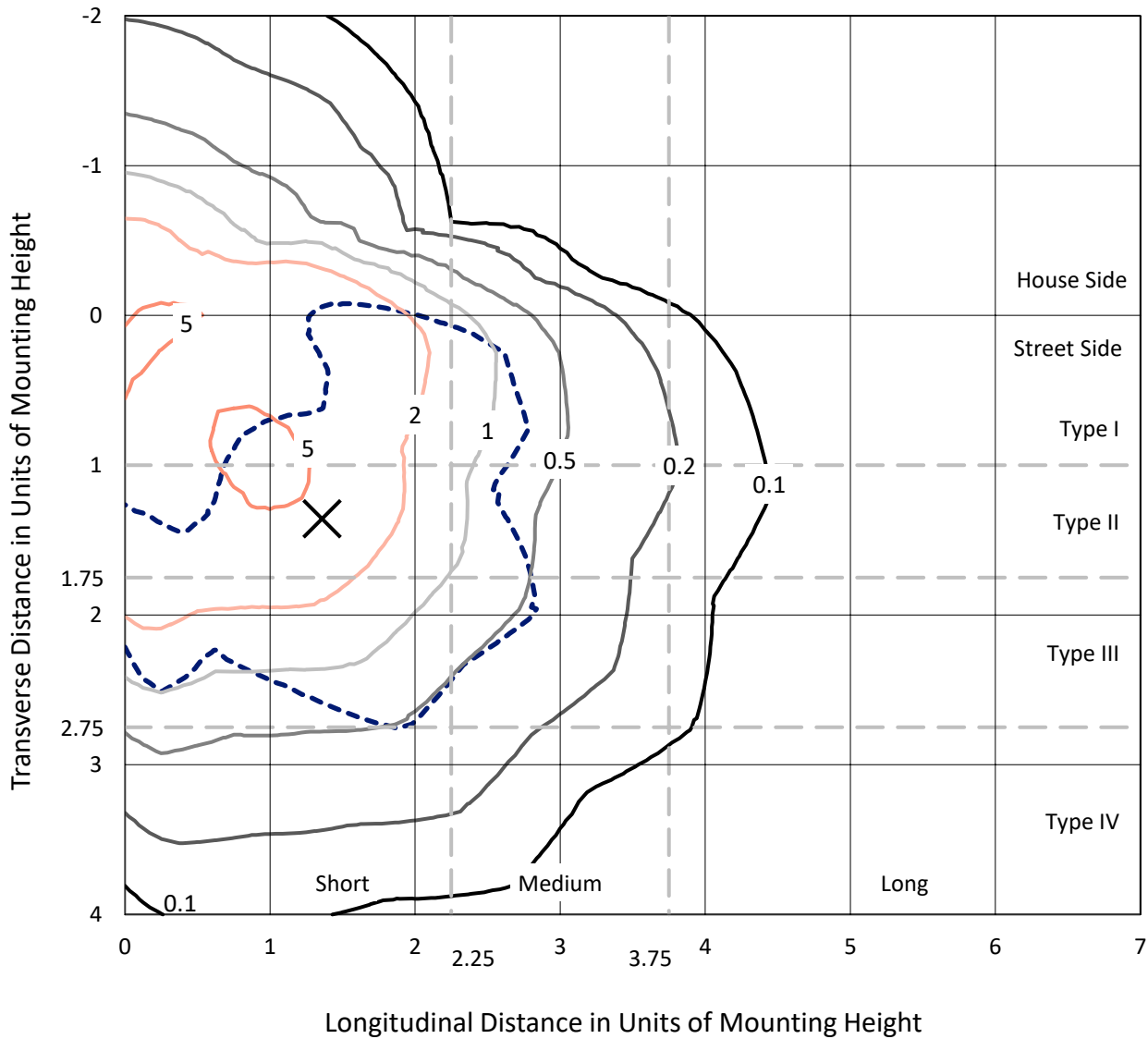
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629358
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

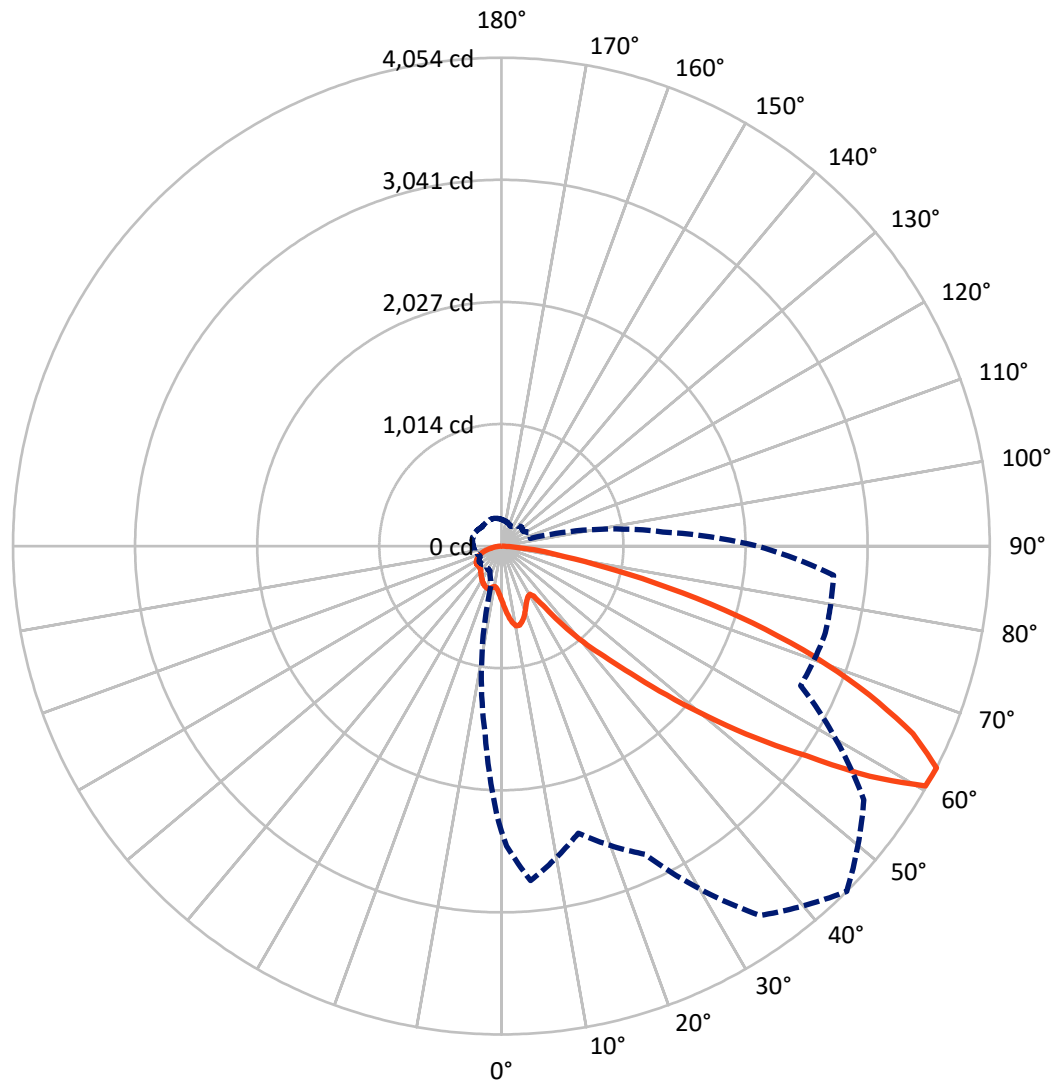
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

REPORT NUMBER: P629358
CATALOG NUMBER: GWS-SA1B-740-U-SLR-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P629358

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.7	0.0	809.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2583.7	0.0	2583.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	3393.5	0.0	3393.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	1.3
10°-20°	137.9	4.1
20°-30°	214.2	6.3
30°-40°	290.8	8.6
40°-50°	460.9	13.6
50°-60°	813.0	24.0
60°-70°	904.6	26.7
70°-80°	458.8	13.5
80°-90°	69.5	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°	3393.5	100.0
0°-180°	3393.5	100.0

Coefficient of Utilization



REPORT NUMBER: P629358

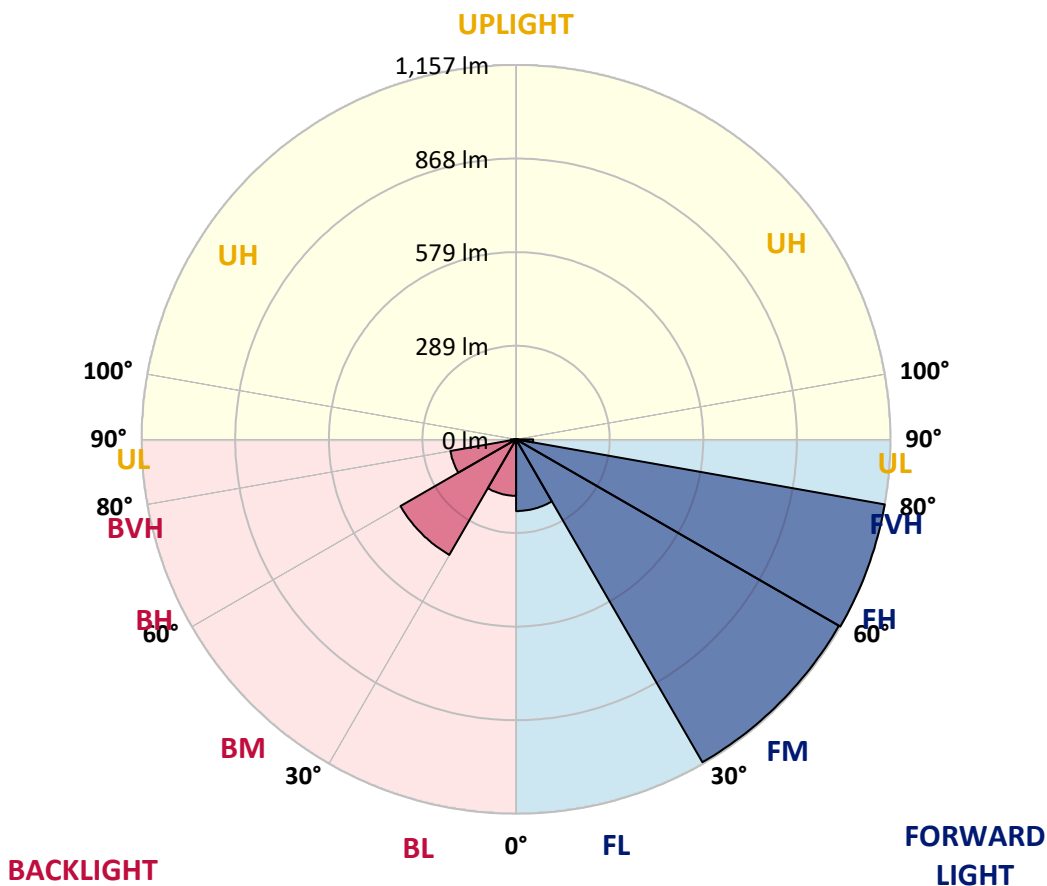
CATALOG NUMBER: GWS-SA1B-740-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.6	6.5			
FM (30°-60°)	1152.2	34.0			
FH (60°-80°)	1157.2	34.1			G1/1800
FVH (80°-90°)	52.7	1.6			G1/100
BL (0°-30°)	174.5	5.1	B1/500		
BM (30°-60°)	412.4	12.2	B1/1000		
BH (60°-80°)	206.1	6.1	B1/500		G1/500
BVH (80°-90°)	16.7	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: P629358
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	484.0	483.8	488.7	496.1	503.1	506.1	511.3	510.8	506.7	501.3	499.5
5°	522.1	523.1	531.6	548.0	566.3	574.0	577.3	576.0	568.6	559.1	542.4
7.5°	556.5	558.3	571.4	596.1	618.7	628.9	637.2	635.6	624.8	607.1	582.4
10°	581.7	583.7	599.4	628.4	653.6	662.6	673.1	673.7	664.1	640.3	615.1
12.5°	606.9	608.9	623.6	650.0	666.5	666.7	672.9	676.2	676.7	665.7	640.5
15°	633.1	634.9	648.2	663.1	662.3	648.0	648.0	654.4	668.5	676.5	659.0
17.5°	655.4	657.7	668.0	663.1	640.3	614.3	611.2	619.4	644.1	674.7	672.9
20°	673.9	675.7	681.4	649.0	607.4	573.5	567.5	577.0	610.5	663.6	683.4
22.5°	691.6	692.7	689.6	630.5	571.9	533.1	525.9	535.9	571.9	644.1	692.4
25°	712.7	711.7	697.0	611.2	539.5	501.3	493.8	505.1	542.6	618.2	702.2
27.5°	737.1	733.3	703.5	590.4	514.6	477.6	472.5	484.6	519.5	594.3	709.9
30°	757.9	750.5	704.5	571.9	501.8	467.6	464.5	475.8	508.2	578.1	719.6
32.5°	781.0	770.8	710.4	567.0	509.0	491.8	495.9	496.6	511.3	573.5	734.3
35°	814.2	800.8	726.6	581.2	583.0	612.0	626.9	606.9	557.8	583.7	762.0
37.5°	864.3	847.3	759.5	642.3	735.8	800.8	836.8	791.1	699.1	622.5	803.9
40°	925.2	903.6	801.6	755.4	878.7	982.7	1046.7	979.6	844.5	719.4	862.7
42.5°	1010.2	987.6	883.3	866.3	1011.0	1165.9	1249.4	1149.5	972.7	844.5	957.0
45°	1158.5	1136.6	1033.1	977.6	1165.9	1391.5	1508.7	1369.7	1103.0	970.1	1133.3
47.5°	1432.3	1406.7	1255.6	1100.9	1342.7	1684.4	1848.3	1645.9	1238.4	1114.0	1429.3
50°	1761.2	1736.5	1534.9	1246.8	1537.9	1997.6	2225.5	1970.3	1394.3	1289.0	1783.0
52.5°	2156.9	2152.2	1933.3	1431.3	1741.2	2331.6	2644.0	2329.8	1565.2	1524.6	2183.8
55°	2513.5	2558.7	2439.5	1712.7	2003.7	2751.1	3074.3	2721.8	1796.9	1914.1	2653.2
57.5°	2705.7	2827.2	3010.4	2286.6	2385.5	3252.7	3605.4	3200.5	2195.2	2562.6	3088.5
60°	2578.7	2716.5	3048.4	2718.8	2764.2	3654.5	4043.7	3602.8	2586.2	3012.7	3063.8
62.5°	2367.5	2491.1	2786.3	2466.5	2822.8	3742.9	4054.0	3673.0	2741.6	2784.3	2767.6
65°	2117.0	2241.7	2554.3	2153.0	2636.5	3533.0	3754.9	3466.7	2462.4	2515.5	2521.7
67.5°	1784.3	1899.4	2217.8	1914.3	2403.3	3224.9	3295.8	3172.7	2267.6	2352.4	2263.8
70°	1333.2	1437.0	1718.0	1555.7	2025.8	2823.6	2766.3	2784.5	2049.0	2133.2	1891.0
72.5°	911.1	989.2	1230.1	1222.4	1551.3	2260.4	2180.5	2353.4	1711.4	1823.1	1441.6
75°	637.2	698.1	889.2	965.8	1172.6	1675.4	1552.8	1761.5	1336.5	1496.1	1051.8
77.5°	391.0	431.4	561.6	715.5	754.3	1146.6	964.5	1325.5	938.5	1091.2	701.7
80°	195.5	215.0	272.9	449.9	500.2	675.7	532.6	769.5	635.1	675.7	388.2
82.5°	59.1	65.3	79.9	170.9	259.2	389.0	314.7	447.0	346.8	316.8	152.9
85°	15.7	17.7	22.1	50.6	91.0	139.5	106.4	216.6	166.2	116.9	57.6
87.5°	1.3	1.3	1.0	1.0	0.5	0.0	0.0	15.4	31.1	17.7	10.0
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: P629358
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	490.5	489.4	478.9	471.2	462.2	453.5	444.5	436.5	427.5	418.5	416.0
5°	530.0	522.8	500.5	481.7	463.2	447.0	432.9	418.3	406.5	394.9	390.5
7.5°	565.0	552.4	520.0	491.5	465.8	445.8	425.0	403.6	386.9	370.5	366.4
10°	596.6	579.9	539.0	503.1	474.5	451.7	427.3	398.7	374.6	354.6	349.2
12.5°	620.0	601.7	555.5	514.1	481.7	456.0	431.9	406.7	381.3	355.3	349.4
15°	638.5	619.4	569.1	522.6	482.0	448.8	425.5	416.7	408.8	383.3	372.5
17.5°	653.4	633.3	580.9	527.7	475.1	427.0	406.7	419.6	439.9	423.9	403.6
20°	667.0	646.7	589.9	531.3	459.6	396.9	385.6	412.9	443.4	442.9	424.7
22.5°	681.9	662.1	603.0	533.4	438.1	366.4	373.1	403.1	428.0	435.5	424.2
25°	700.9	683.4	621.2	538.0	413.6	345.3	363.8	390.5	411.3	413.1	406.5
27.5°	723.0	709.9	648.5	548.8	390.0	334.5	353.0	372.8	391.8	392.6	384.6
30°	747.1	738.4	673.7	557.8	372.3	331.2	339.1	355.1	367.1	369.2	362.3
32.5°	778.0	770.3	696.0	551.9	361.7	330.4	326.3	334.5	344.5	344.5	339.1
35°	820.4	809.6	719.6	529.3	348.9	327.3	312.7	315.0	319.4	320.1	317.0
37.5°	880.5	862.7	743.5	484.6	327.8	316.3	297.0	294.2	295.7	297.8	297.0
40°	955.0	926.0	778.5	430.9	302.7	294.9	280.8	275.4	274.1	278.2	279.8
42.5°	1048.8	1004.3	816.0	380.8	279.8	270.5	261.8	257.2	255.1	262.1	266.2
45°	1198.5	1125.3	852.0	331.2	266.9	249.7	243.8	240.5	241.5	249.7	254.9
47.5°	1457.3	1310.1	886.1	299.8	265.9	234.8	227.6	228.4	231.2	240.0	246.1
50°	1784.6	1557.5	909.0	286.7	269.0	225.8	216.3	220.4	224.8	233.3	240.5
52.5°	2117.8	1787.9	881.8	279.5	268.7	226.1	205.8	218.1	220.2	228.7	236.4
55°	2347.0	1813.6	761.8	268.5	264.6	236.4	197.6	217.1	218.4	226.1	233.0
57.5°	2434.3	1725.8	580.9	271.6	252.3	244.3	194.0	209.9	219.2	225.8	233.0
60°	2328.8	1560.0	353.0	279.5	232.5	243.8	196.3	196.8	212.7	224.0	231.2
62.5°	2129.6	1347.3	247.9	256.9	218.1	230.2	201.7	181.4	201.4	215.0	221.5
65°	1901.5	1097.1	189.1	221.2	211.2	209.1	203.5	167.8	186.0	199.4	205.0
67.5°	1663.8	852.7	153.6	164.9	190.9	189.1	186.0	155.7	167.8	177.3	183.7
70°	1364.5	596.6	129.7	123.8	163.7	169.6	162.6	140.5	144.4	154.2	159.3
72.5°	998.1	371.8	106.6	102.3	131.5	148.2	144.6	123.8	125.6	134.9	139.0
75°	717.8	212.7	85.6	84.3	100.5	126.9	119.7	106.6	108.7	115.6	118.4
77.5°	456.3	118.4	66.0	67.8	71.9	94.8	102.3	91.2	91.2	95.3	97.6
80°	244.3	67.8	48.3	49.1	50.4	72.5	80.7	70.7	70.7	67.8	70.7
82.5°	99.7	39.1	33.1	30.8	33.7	49.6	56.5	45.0	47.0	42.4	43.4
85°	32.9	19.5	16.4	16.2	15.9	21.8	27.2	22.4	26.7	17.0	17.7
87.5°	4.4	3.6	2.1	1.5	1.8	0.8	1.5	1.8	1.8	1.3	1.3
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: P629358
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	414.2	412.1	404.7	406.5	405.2	403.1	405.2	401.3	404.4	405.4	411.8
5°	387.2	382.3	375.1	371.5	370.7	368.7	368.9	367.1	367.7	372.0	379.2
7.5°	363.0	358.4	352.8	350.2	347.9	345.6	345.3	345.0	347.1	351.0	357.9
10°	345.6	343.0	340.7	341.7	340.7	339.7	337.9	337.9	341.2	348.1	356.6
12.5°	345.6	345.0	345.6	348.6	348.4	348.6	346.3	347.6	356.9	368.7	380.8
15°	364.1	359.9	359.9	361.5	361.0	361.0	361.0	366.4	387.4	405.7	418.5
17.5°	386.7	374.6	369.5	368.7	368.4	368.4	369.5	381.0	413.9	433.2	440.6
20°	402.3	379.5	371.0	367.7	367.9	368.4	371.5	387.4	423.7	433.4	431.6
22.5°	405.2	375.6	365.3	360.5	361.2	361.7	366.4	383.3	410.3	411.8	408.3
25°	392.1	364.8	353.8	349.9	351.0	350.7	354.8	367.1	386.4	385.9	383.8
27.5°	372.5	347.6	339.4	336.8	338.6	336.6	337.9	347.4	362.3	361.7	361.0
30°	352.5	330.9	323.5	322.2	324.5	321.4	321.7	329.6	339.9	339.4	339.1
32.5°	332.5	314.2	307.5	307.5	309.8	306.5	307.0	314.0	320.9	318.8	318.8
35°	313.4	300.6	295.2	294.2	296.0	293.7	294.7	301.1	303.7	300.9	299.1
37.5°	296.7	291.1	285.7	282.1	282.4	282.6	285.7	290.6	289.0	284.9	282.6
40°	281.3	281.3	276.2	269.5	268.7	270.5	275.7	281.1	276.7	272.1	269.3
42.5°	270.3	272.6	267.7	261.0	259.5	262.6	268.2	272.1	266.9	261.8	258.0
45°	260.0	265.7	262.3	254.9	252.8	256.4	263.6	265.1	258.2	253.3	250.5
47.5°	252.8	260.5	258.2	251.0	247.9	253.1	260.5	260.3	251.5	246.4	244.1
50°	247.7	257.4	257.2	251.0	247.7	254.1	260.8	257.4	247.9	242.5	240.2
52.5°	243.6	257.2	259.0	255.4	253.1	258.7	262.8	256.4	245.4	239.7	237.9
55°	241.8	258.2	259.5	256.2	254.1	259.2	262.8	258.5	245.4	240.2	238.7
57.5°	242.3	256.9	257.2	252.6	249.0	255.4	261.0	259.7	248.2	242.3	240.5
60°	239.2	250.0	250.5	243.3	239.2	246.9	256.9	256.2	246.9	240.7	237.4
62.5°	228.9	238.4	238.7	232.0	226.1	237.1	248.2	247.9	239.5	233.3	229.4
65°	211.7	221.7	224.3	217.9	213.2	225.1	236.6	236.1	227.6	222.0	218.1
67.5°	190.4	201.2	206.1	201.7	199.9	210.7	221.5	221.2	214.3	208.9	205.5
70°	164.4	173.4	181.6	181.6	180.4	192.7	204.3	203.2	196.8	192.7	190.1
72.5°	142.8	149.8	152.4	154.9	158.8	171.6	181.4	182.2	177.5	175.5	177.5
75°	121.5	125.9	128.2	126.1	132.8	146.2	159.0	160.3	155.4	152.1	152.9
77.5°	99.9	104.8	107.1	102.5	102.0	119.0	134.6	137.5	133.3	128.2	129.7
80°	72.2	78.6	82.5	79.4	78.4	85.8	107.4	110.5	106.6	102.5	104.8
82.5°	44.2	47.8	48.8	51.9	58.3	61.4	69.1	79.4	76.6	73.0	79.4
85°	17.5	20.8	23.1	26.2	30.6	36.2	42.6	50.9	46.2	44.7	52.7
87.5°	1.0	0.3	0.0	0.5	4.4	8.5	18.2	25.2	21.1	22.6	27.2
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: P629358
 CATALOG NUMBER: GWS-SA1B-740-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	417.0	423.7	432.7	440.1	449.6	458.6	467.9	477.1	482.0	484.0
5°	387.4	399.8	414.2	430.1	448.6	468.1	487.9	508.2	521.0	522.1
7.5°	369.7	387.4	407.2	427.3	450.1	477.1	508.5	539.8	552.9	556.5
10°	375.4	395.1	410.8	429.6	454.8	488.4	525.4	562.1	577.3	581.7
12.5°	398.0	401.8	406.7	423.9	454.8	498.2	542.9	586.6	602.7	606.9
15°	416.7	398.2	389.5	407.7	448.6	506.7	561.4	609.7	629.2	633.1
17.5°	418.3	386.4	367.4	383.8	437.8	512.6	579.1	635.4	651.8	655.4
20°	402.6	373.8	349.2	359.2	423.2	515.1	592.0	654.1	670.3	673.9
22.5°	384.9	363.5	336.8	336.3	405.4	518.0	607.4	671.9	689.3	691.6
25°	368.2	349.4	326.8	319.6	384.9	523.4	628.2	698.6	711.9	712.7
27.5°	348.6	334.3	318.8	311.9	366.9	533.6	659.0	730.4	738.4	737.1
30°	330.9	320.1	313.2	311.1	355.6	541.3	688.3	761.8	762.3	757.9
32.5°	312.2	308.1	308.1	314.7	346.3	539.5	712.2	792.4	787.5	781.0
35°	295.5	296.2	301.6	317.3	330.9	521.6	735.1	830.6	823.4	814.2
37.5°	279.5	285.4	293.1	308.3	310.6	494.8	761.8	884.8	875.9	864.3
40°	265.9	274.9	283.9	291.4	289.0	456.8	799.0	948.6	938.5	925.2
42.5°	255.1	263.9	273.9	274.7	275.4	417.2	838.6	1026.7	1024.9	1010.2
45°	248.2	253.8	263.3	262.1	274.7	373.6	875.1	1145.9	1169.5	1158.5
47.5°	243.6	247.9	249.0	254.4	281.3	334.5	922.1	1379.2	1444.9	1432.3
50°	241.0	245.4	233.8	254.9	282.4	309.3	987.1	1672.1	1777.9	1761.2
52.5°	240.7	239.7	222.2	260.3	276.7	293.9	1021.0	1885.8	2120.6	2156.9
55°	241.3	228.4	216.3	261.8	265.4	288.3	907.5	1988.6	2436.9	2513.5
57.5°	236.6	216.1	219.7	255.6	244.1	303.4	670.8	1951.8	2563.3	2705.7
60°	227.9	204.3	225.8	238.9	222.2	277.5	461.9	1787.9	2432.3	2578.7
62.5°	215.3	196.0	225.1	217.4	214.3	227.1	317.6	1558.5	2224.4	2367.5
65°	201.2	189.4	213.0	196.5	198.3	174.7	224.6	1299.5	1976.3	2117.0
67.5°	186.0	185.2	195.3	175.0	167.5	138.5	163.7	1041.6	1657.4	1784.3
70°	168.8	174.5	177.5	155.4	135.9	108.7	121.5	728.4	1222.7	1333.2
72.5°	151.6	152.1	156.5	135.1	101.7	87.1	91.2	441.1	830.6	911.1
75°	134.1	129.2	133.3	110.0	75.8	71.4	70.4	272.6	573.7	637.2
77.5°	115.4	110.0	104.6	82.7	60.9	55.2	54.0	152.9	352.0	391.0
80°	93.8	86.6	78.1	60.6	44.4	39.6	39.3	74.5	175.5	195.5
82.5°	73.0	59.3	57.0	37.8	27.5	24.2	25.7	28.5	52.9	59.1
85°	51.1	43.2	30.3	15.2	12.3	10.0	9.8	8.5	14.1	15.7
87.5°	28.5	18.8	9.8	1.8	2.1	2.3	1.8	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)