

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: P629848

Luminaire Tested: GWS-SA1C-740-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2910.2 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

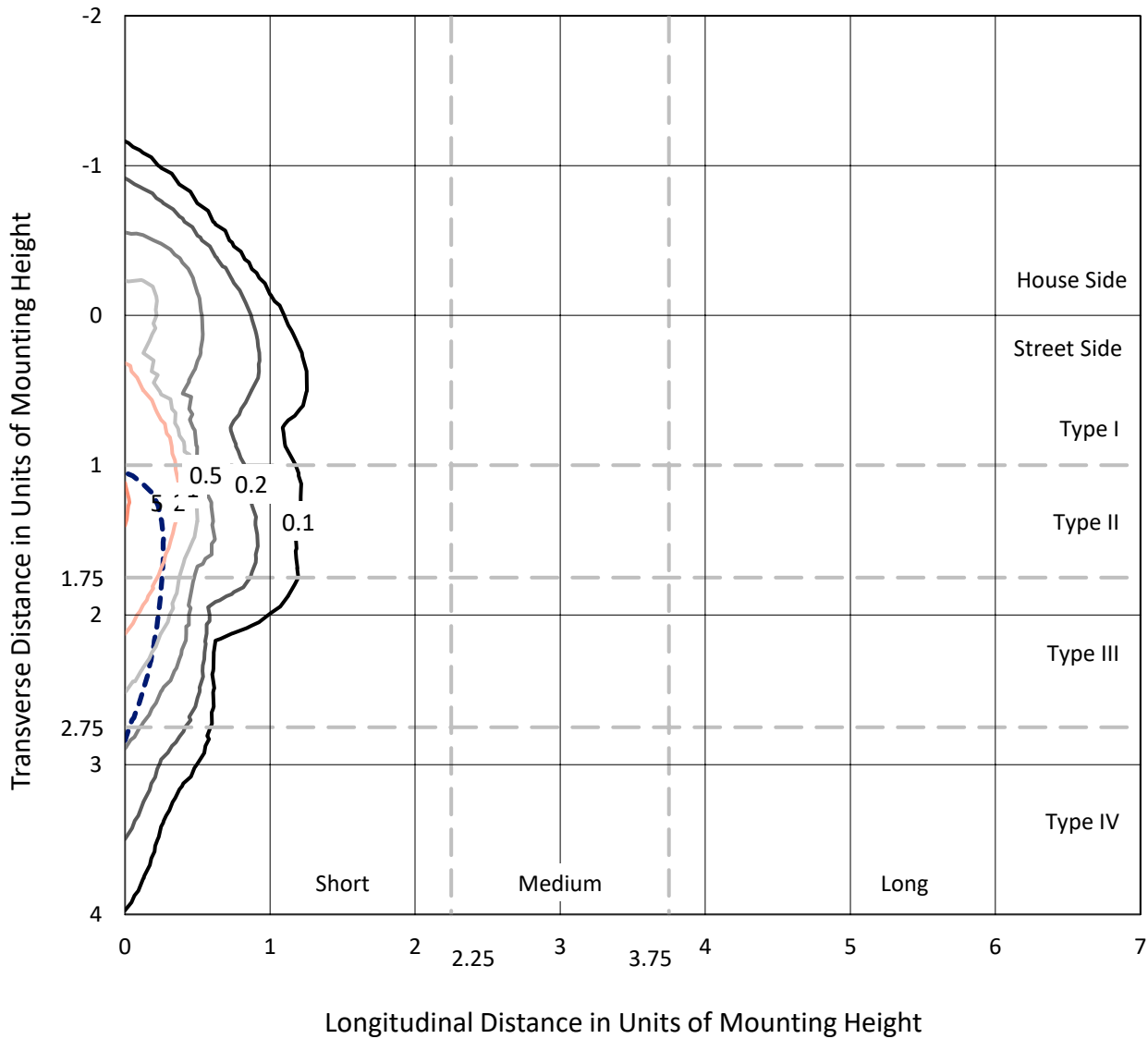
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629848
 CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

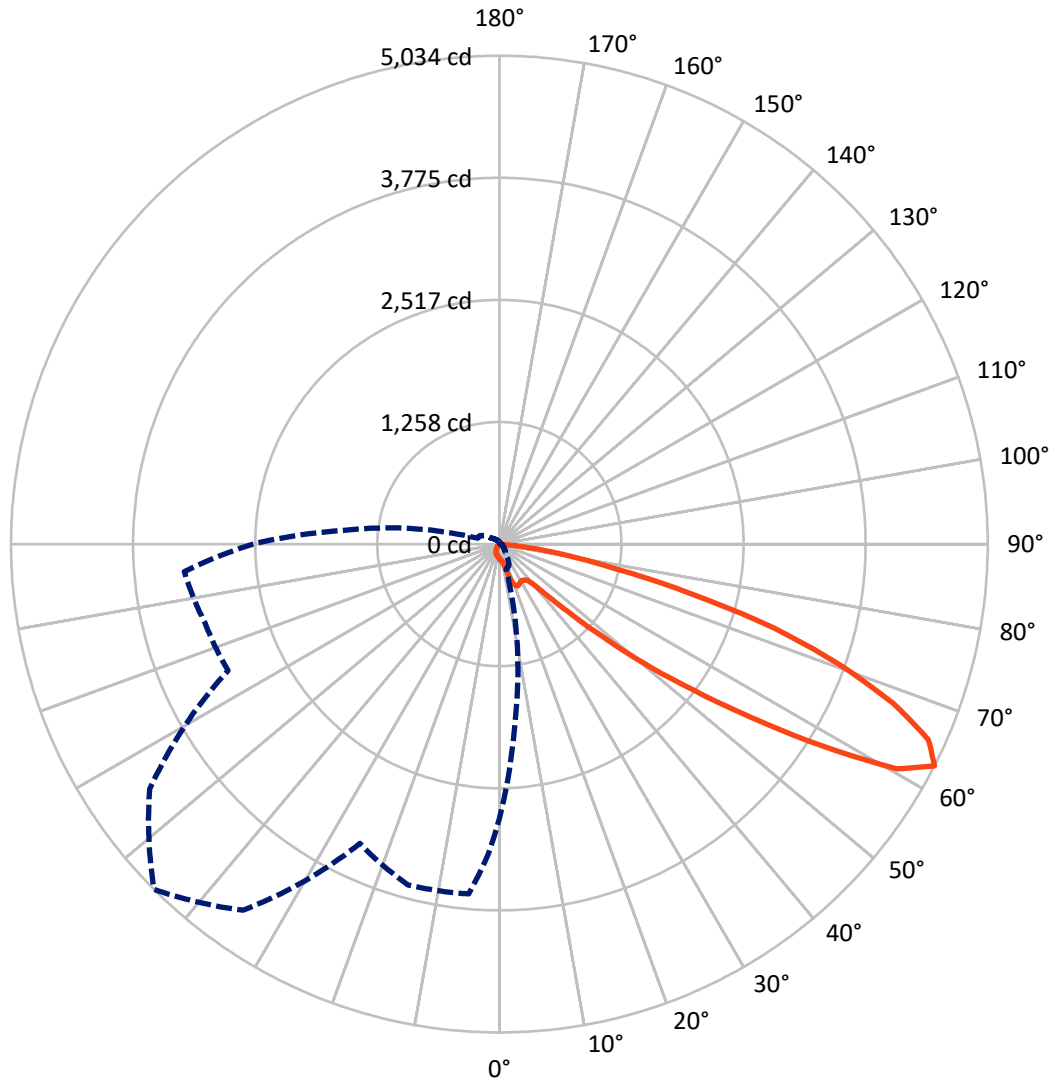
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

REPORT NUMBER: P629848
CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629848

CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

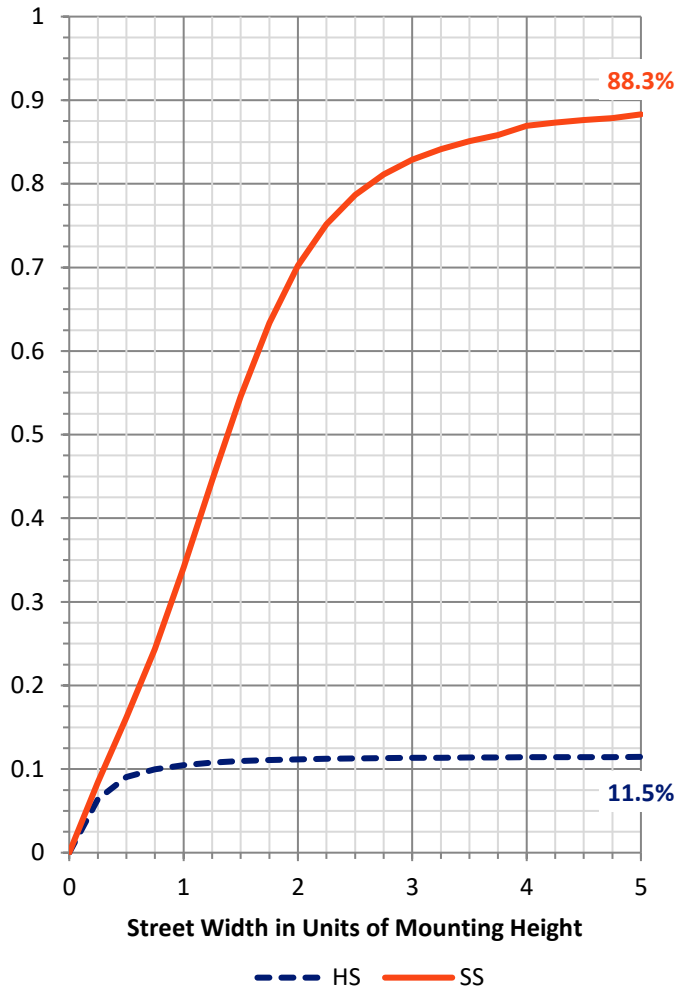
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.1	0.0	338.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	2572.1	0.0	2572.1
	% Fixture	88.4	0.0	88.4
Total	Lumens	2910.2	0.0	2910.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.4
10°-20°	44.7	1.5
20°-30°	100.9	3.5
30°-40°	173.9	6.0
40°-50°	328.0	11.3
50°-60°	732.2	25.2
60°-70°	979.3	33.7
70°-80°	491.1	16.9
80°-90°	47.1	1.6
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°	2910.2	100.0
0°-180°	2910.2	100.0

Coefficient of Utilization



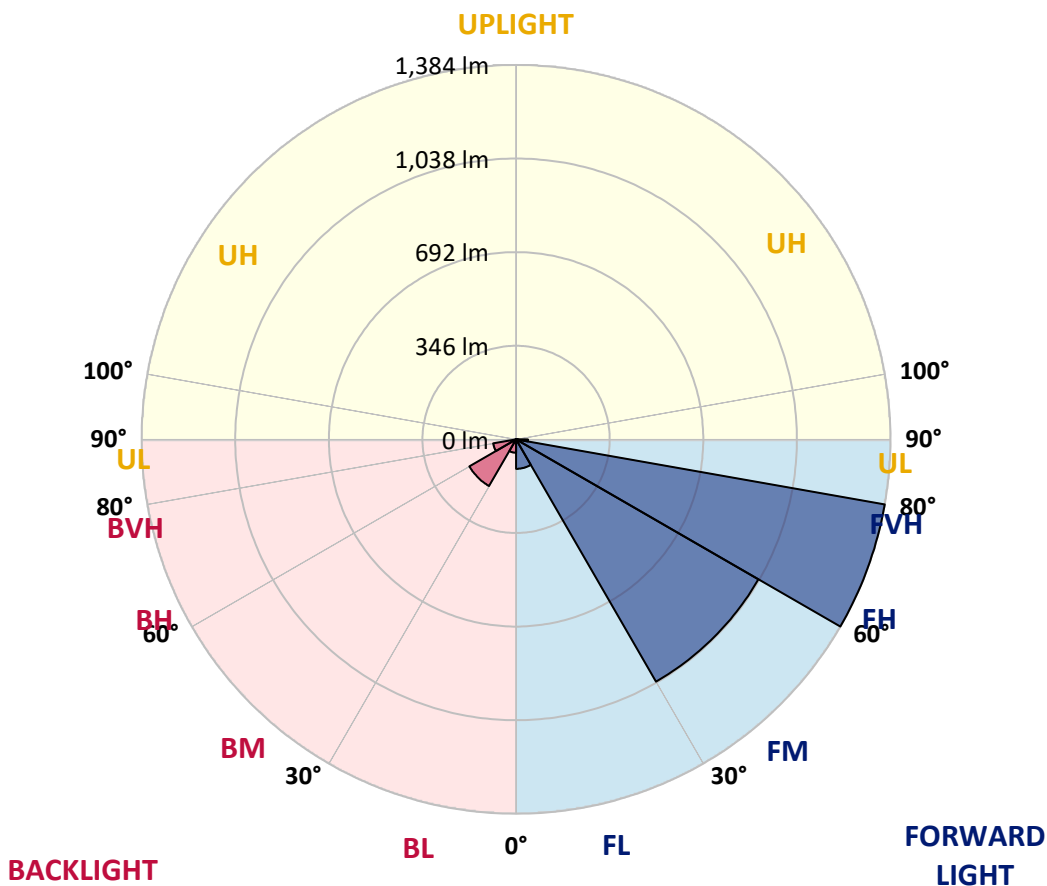
REPORT NUMBER: P629848

CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.0	3.7			
FM (30°-60°)	1034.7	35.6			
FH (60°-80°)	1384.5	47.6			G1/1800
FVH (80°-90°)	43.9	1.5			G1/100
BL (0°-30°)	49.6	1.7	B0/110		
BM (30°-60°)	199.4	6.9	B0/220		
BH (60°-80°)	86.0	3.0	B0/110		G0/110
BVH (80°-90°)	3.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Short





REPORT NUMBER: P629848

CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
2.5°	149.2	148.9	148.2	146.1	144.4	143.3	141.3	141.3	140.9	140.2	138.9
5°	144.4	143.0	141.6	137.8	133.7	131.3	128.5	128.2	128.2	127.5	127.2
7.5°	136.8	135.4	133.7	127.5	123.7	121.3	118.9	118.5	117.5	117.5	117.5
10°	132.7	130.6	127.8	120.9	117.2	115.1	113.4	112.3	111.6	110.6	110.3
12.5°	141.6	137.8	132.0	119.6	114.4	111.6	109.6	108.9	106.8	105.4	104.4
15°	169.5	160.2	148.5	122.7	113.4	109.2	106.5	105.1	103.4	101.0	99.2
17.5°	215.4	201.9	182.3	132.7	112.3	107.2	103.7	101.3	98.9	96.1	94.1
20°	278.8	258.8	235.3	150.9	112.3	104.8	100.6	97.5	94.1	91.0	88.6
22.5°	359.4	339.4	299.4	181.9	113.7	101.7	96.8	92.7	88.6	85.8	83.0
25°	449.7	421.4	384.2	219.5	117.5	97.5	92.3	88.2	84.4	81.0	77.9
27.5°	550.3	519.6	470.0	272.9	125.8	93.4	87.5	83.7	80.3	76.8	72.7
30°	643.0	624.7	574.1	337.0	139.2	90.6	83.7	80.3	76.8	72.4	68.6
32.5°	754.3	721.9	680.2	410.1	157.1	87.9	80.6	75.8	73.1	68.9	64.8
35°	866.3	838.7	783.9	500.0	177.1	85.1	76.8	72.4	70.0	65.1	60.6
37.5°	981.7	975.5	921.4	599.6	196.8	82.0	72.4	69.6	67.2	61.7	56.5
40°	1095.4	1084.1	1034.1	713.3	208.8	78.6	68.6	66.8	64.1	57.9	52.0
42.5°	1204.3	1195.7	1147.1	822.2	207.1	75.5	64.8	62.7	60.6	54.4	47.2
45°	1338.0	1323.9	1262.6	902.8	189.5	78.9	61.0	57.5	57.2	51.3	42.4
47.5°	1588.2	1541.7	1437.6	964.8	171.9	87.9	56.9	52.7	55.1	48.2	37.6
50°	1938.6	1883.8	1733.3	1013.1	171.6	99.6	56.2	48.2	53.4	45.8	33.4
52.5°	2290.8	2194.3	2011.3	1038.9	184.4	108.2	62.4	43.8	51.3	43.4	30.3
55°	2628.1	2427.9	2127.8	953.5	194.3	117.5	73.7	41.3	47.6	40.7	28.6
57.5°	2949.6	2615.7	2178.5	754.3	227.8	121.3	80.6	42.4	42.0	37.2	27.2
60°	2993.7	2606.8	2076.1	438.7	251.2	114.7	77.9	47.2	36.9	33.1	24.8
62.5°	2827.0	2433.4	1842.8	273.6	233.3	112.3	69.3	53.8	33.4	29.3	21.7
65°	2573.7	2161.6	1536.5	176.4	176.8	124.7	60.6	52.7	31.4	25.8	18.6
67.5°	2177.8	1809.1	1210.5	118.2	99.9	106.5	53.1	36.2	30.7	22.1	14.5
70°	1589.6	1287.7	788.1	78.9	59.6	85.1	44.5	25.8	28.9	18.3	10.3
72.5°	1161.9	865.2	440.0	51.7	33.8	49.6	32.7	18.6	22.4	13.4	7.2
75°	836.3	595.4	251.2	33.1	22.4	27.2	21.4	12.7	14.5	10.7	6.5
77.5°	402.5	290.1	114.1	18.3	15.2	13.8	11.4	7.9	9.0	9.6	5.9
80°	15.2	11.4	8.6	9.0	9.6	6.2	5.2	4.1	5.2	6.5	3.1
82.5°	0.0	0.0	0.0	1.0	1.4	1.7	2.1	1.7	2.1	2.4	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



REPORT NUMBER: P629848

CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
2.5°	139.9	139.2	139.9	140.6	141.3	142.0	140.9	141.6	142.3	140.6	141.3
5°	128.9	128.5	130.6	131.6	133.0	133.7	133.0	133.0	132.7	130.6	130.6
7.5°	119.2	119.6	121.3	123.7	125.4	126.5	125.8	125.4	124.4	121.3	121.3
10°	112.0	112.0	114.7	116.8	119.2	120.3	119.6	118.5	117.5	114.4	114.1
12.5°	106.1	106.1	108.2	111.6	114.4	115.8	115.4	114.1	112.3	109.2	108.9
15°	100.6	100.3	103.4	106.5	110.3	112.0	111.3	110.3	107.2	104.4	103.7
17.5°	95.1	94.8	97.5	101.7	105.8	108.2	107.9	105.4	102.7	99.2	98.6
20°	89.6	88.9	92.3	96.5	100.6	103.0	102.3	100.3	96.8	93.4	92.7
22.5°	84.1	83.7	86.1	89.6	93.4	95.4	95.1	93.4	89.9	86.8	86.8
25°	77.9	77.9	79.6	82.0	84.8	85.8	86.1	85.5	83.4	81.7	81.7
27.5°	72.7	71.7	72.4	73.1	74.4	76.2	76.2	76.8	77.2	76.5	76.8
30°	68.6	66.8	65.8	64.4	63.7	64.4	65.1	67.5	70.0	71.3	72.0
32.5°	63.7	61.7	58.9	55.1	52.7	52.0	54.1	58.6	63.1	66.2	67.9
35°	58.9	56.2	51.0	45.5	42.4	41.3	43.8	48.9	55.5	61.0	63.4
37.5°	54.1	50.3	43.1	36.5	33.1	32.4	34.8	40.3	47.9	55.5	58.6
40°	48.6	44.1	35.5	28.6	25.8	25.2	27.2	32.7	40.7	49.3	54.1
42.5°	43.1	37.6	28.6	22.7	20.0	20.0	22.7	26.9	34.1	43.4	49.3
45°	37.6	31.7	23.4	18.3	16.5	16.9	18.6	22.7	28.6	38.2	43.8
47.5°	32.4	27.2	19.3	15.2	13.8	14.1	16.2	19.6	24.5	33.1	38.9
50°	27.9	23.1	16.9	12.7	11.7	12.4	14.5	17.6	21.7	29.3	34.1
52.5°	25.2	20.7	15.5	11.0	10.3	11.0	13.1	15.9	19.6	25.8	30.7
55°	23.8	20.3	15.5	10.0	9.0	9.6	11.7	14.5	17.6	23.4	27.6
57.5°	23.4	21.0	16.5	9.0	7.6	8.3	10.3	13.1	16.2	21.4	24.8
60°	22.1	20.0	16.2	7.2	5.9	6.9	8.6	11.4	14.8	20.0	23.1
62.5°	19.3	17.6	14.1	5.9	4.5	5.2	7.2	10.0	13.4	18.3	21.7
65°	15.9	14.1	11.0	3.8	2.8	3.4	5.5	8.6	11.7	16.5	19.6
67.5°	11.7	10.0	7.6	2.4	1.4	2.4	4.5	7.2	10.7	14.8	17.9
70°	7.2	5.9	4.1	1.4	1.0	2.1	4.1	6.9	9.6	13.8	16.9
72.5°	4.1	2.8	1.7	0.7	1.0	2.1	4.1	6.9	9.3	13.1	15.9
75°	3.1	1.7	0.7	0.3	0.7	1.7	3.8	6.2	9.0	12.4	15.2
77.5°	2.1	1.0	0.3	0.0	0.3	1.4	3.4	5.9	8.3	11.7	14.5
80°	0.3	0.0	0.0	0.0	0.0	1.0	3.1	5.2	7.6	10.3	12.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	2.4	4.5	6.5	8.6	10.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.4	5.2	6.5	7.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	4.1	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: P629848
 CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
2.5°	140.9	143.0	143.0	144.4	146.1	149.2	150.9	153.3	155.1	156.8	157.5
5°	130.3	130.6	130.9	131.6	133.7	137.1	140.2	144.0	148.5	152.0	154.0
7.5°	121.3	121.3	121.3	122.3	124.4	126.8	129.9	135.1	140.2	144.4	147.8
10°	113.7	114.7	115.1	116.8	119.2	122.3	125.8	130.3	136.1	141.6	147.8
12.5°	108.9	109.9	111.6	113.4	115.8	119.2	123.0	128.9	140.9	152.3	165.4
15°	104.4	105.8	107.9	110.3	113.0	116.8	120.9	133.0	161.3	182.6	203.3
17.5°	99.6	101.7	104.4	106.8	110.3	114.4	119.6	143.0	198.5	234.0	269.1
20°	93.4	96.1	99.2	103.0	107.2	112.0	119.6	163.7	252.2	303.2	349.8
22.5°	87.5	90.3	94.1	98.9	103.7	108.5	121.3	195.0	321.5	385.9	444.9
25°	82.7	86.1	89.9	94.1	99.6	105.1	125.4	239.1	404.9	487.9	529.6
27.5°	78.2	82.4	86.1	89.6	94.4	100.6	134.7	298.1	503.4	587.9	620.6
30°	73.7	78.6	82.4	85.8	90.6	97.2	148.9	373.2	613.0	695.0	698.5
32.5°	70.0	74.4	78.9	82.4	86.8	94.4	168.5	461.1	725.3	804.6	772.2
35°	65.8	71.0	75.1	78.9	83.7	92.0	191.2	555.8	838.7	905.2	845.6
37.5°	61.7	67.5	72.7	75.5	80.3	89.6	207.8	654.7	954.5	1003.4	910.0
40°	57.9	64.4	70.3	73.1	75.5	86.5	210.2	756.0	1072.0	1100.3	970.7
42.5°	53.8	61.0	66.2	70.0	72.0	84.4	195.7	841.5	1170.5	1196.7	1049.9
45°	49.3	57.9	62.0	64.8	68.9	85.8	177.1	907.6	1283.2	1328.4	1180.5
47.5°	44.8	54.4	57.9	60.0	65.5	94.1	170.2	951.7	1469.0	1562.7	1400.7
50°	40.7	51.3	55.1	54.8	64.8	104.8	177.8	985.2	1748.1	1858.3	1702.6
52.5°	36.2	47.9	52.4	51.0	70.0	113.0	193.0	1011.7	1962.7	2205.0	2108.2
55°	32.4	44.1	48.2	47.9	79.6	119.2	204.7	871.8	2051.6	2527.2	2565.1
57.5°	29.6	40.0	43.4	49.3	85.8	119.2	236.7	618.9	2053.4	2764.2	3171.5
60°	27.2	36.2	38.6	54.1	83.4	113.0	234.3	379.0	1892.4	2748.0	3494.1
62.5°	25.2	32.7	35.8	55.5	73.7	112.0	211.6	235.0	1614.0	2538.9	3260.1
65°	23.4	30.0	34.5	51.0	66.8	119.9	142.7	168.8	1309.1	2300.4	2991.7
67.5°	21.7	27.6	36.5	41.7	60.6	107.2	103.0	119.9	1027.5	2038.9	2745.3
70°	20.3	26.2	38.6	34.1	53.1	83.7	73.1	91.0	786.7	1701.2	2398.3
72.5°	19.3	24.5	32.4	26.9	43.1	64.8	51.0	66.2	514.1	1328.0	1955.2
75°	18.3	22.4	23.8	21.7	32.0	42.4	38.6	44.5	306.3	970.7	1483.4
77.5°	17.9	21.0	19.3	17.6	21.7	25.2	29.3	30.0	149.5	485.5	777.4
80°	15.9	19.0	16.5	14.5	14.8	16.5	21.7	20.0	34.1	123.4	207.4
82.5°	12.4	14.8	13.8	12.1	12.1	12.1	14.5	13.4	11.0	55.5	93.7
85°	8.6	10.3	10.3	9.6	9.3	9.3	9.0	8.6	3.1	3.4	5.2
87.5°	5.9	7.2	7.6	7.2	6.2	5.5	4.8	4.1	1.4	0.0	0.7
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: P629848

CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
2.5°	159.9	160.9	160.9	159.5	158.5	155.8	153.0	150.2	149.5	149.2
5°	159.9	164.0	166.1	165.7	163.3	158.9	153.0	146.8	145.1	144.4
7.5°	157.5	165.4	171.6	172.6	168.2	160.2	149.5	140.2	137.8	136.8
10°	163.0	178.5	190.9	192.6	187.5	171.9	154.7	138.9	135.1	132.7
12.5°	192.6	218.1	233.3	240.5	230.5	210.9	182.3	154.0	145.4	141.6
15°	252.6	288.8	317.7	317.7	308.4	273.6	237.4	191.6	179.9	169.5
17.5°	329.4	374.9	400.4	397.6	383.5	359.1	315.6	249.8	226.0	215.4
20°	416.9	444.2	450.0	448.3	442.1	428.0	398.0	327.4	295.3	278.8
22.5°	492.8	485.5	476.9	470.0	468.3	472.4	468.3	413.8	388.7	359.4
25°	544.1	503.1	477.2	464.8	470.7	494.5	520.3	500.0	480.0	449.7
27.5°	572.0	501.0	463.8	451.1	461.1	494.8	551.0	585.4	564.8	550.3
30°	587.2	499.3	455.2	442.8	458.0	500.3	572.4	665.4	666.1	643.0
32.5°	608.9	510.3	456.9	445.5	465.9	516.9	599.2	746.7	766.7	754.3
35°	633.3	527.2	464.8	454.5	479.7	538.9	629.2	828.7	870.4	866.3
37.5°	656.4	546.2	483.4	473.5	500.7	557.9	658.2	909.4	967.2	981.7
40°	680.6	572.7	540.7	550.3	565.5	587.9	684.0	979.3	1073.7	1095.4
42.5°	737.4	664.7	713.6	731.9	734.0	687.8	740.5	1068.9	1178.5	1204.3
45°	864.2	828.4	968.6	994.5	981.0	841.1	876.6	1198.1	1324.9	1338.0
47.5°	1024.4	1041.0	1317.7	1406.9	1326.3	1022.0	1041.7	1470.0	1593.0	1588.2
50°	1211.2	1289.4	1714.0	1924.5	1731.5	1257.0	1231.9	1804.2	1953.4	1938.6
52.5°	1432.1	1578.2	2190.2	2489.3	2306.6	1521.3	1511.0	2247.0	2338.0	2290.8
55°	1710.2	1857.0	2738.1	3156.0	2896.2	1843.9	1879.4	2760.5	2778.0	2628.1
57.5°	2125.0	2220.5	3383.8	3920.7	3511.6	2282.2	2539.6	3443.8	3233.6	2949.6
60°	2878.3	2688.1	4007.8	4702.9	4166.3	2898.6	3410.3	3848.6	3385.2	2993.7
62.5°	3140.5	3085.0	4398.6	5033.7	4606.7	3404.8	3636.7	3619.2	3188.8	2827.0
65°	2743.2	2986.2	4328.6	4859.0	4550.2	3321.4	3263.5	3365.9	2967.5	2573.7
67.5°	2534.1	2753.9	4063.7	4376.9	4237.0	3038.5	2909.0	2881.1	2491.3	2177.8
70°	2323.2	2541.0	3679.5	3718.4	3653.3	2577.5	2407.3	2220.1	1862.1	1589.6
72.5°	2069.6	2189.5	3146.4	2961.7	2887.9	2024.4	1988.6	1671.9	1395.9	1161.9
75°	1804.9	1770.1	2453.1	2032.7	2087.8	1575.1	1679.5	1227.7	1022.7	836.3
77.5°	1312.9	1287.0	1643.0	1234.6	1367.3	1031.7	926.9	490.0	466.6	402.5
80°	732.6	883.2	887.3	691.9	863.2	672.6	231.9	16.2	10.3	15.2
82.5°	340.4	379.7	481.0	320.8	492.4	333.2	47.9	0.0	0.0	0.0
85°	110.3	161.3	135.1	47.2	119.2	112.7	7.9	0.0	0.0	0.0
87.5°	6.5	13.4	3.4	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)