

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: P629797

Luminaire Tested: GWS-SA1C-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2942 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

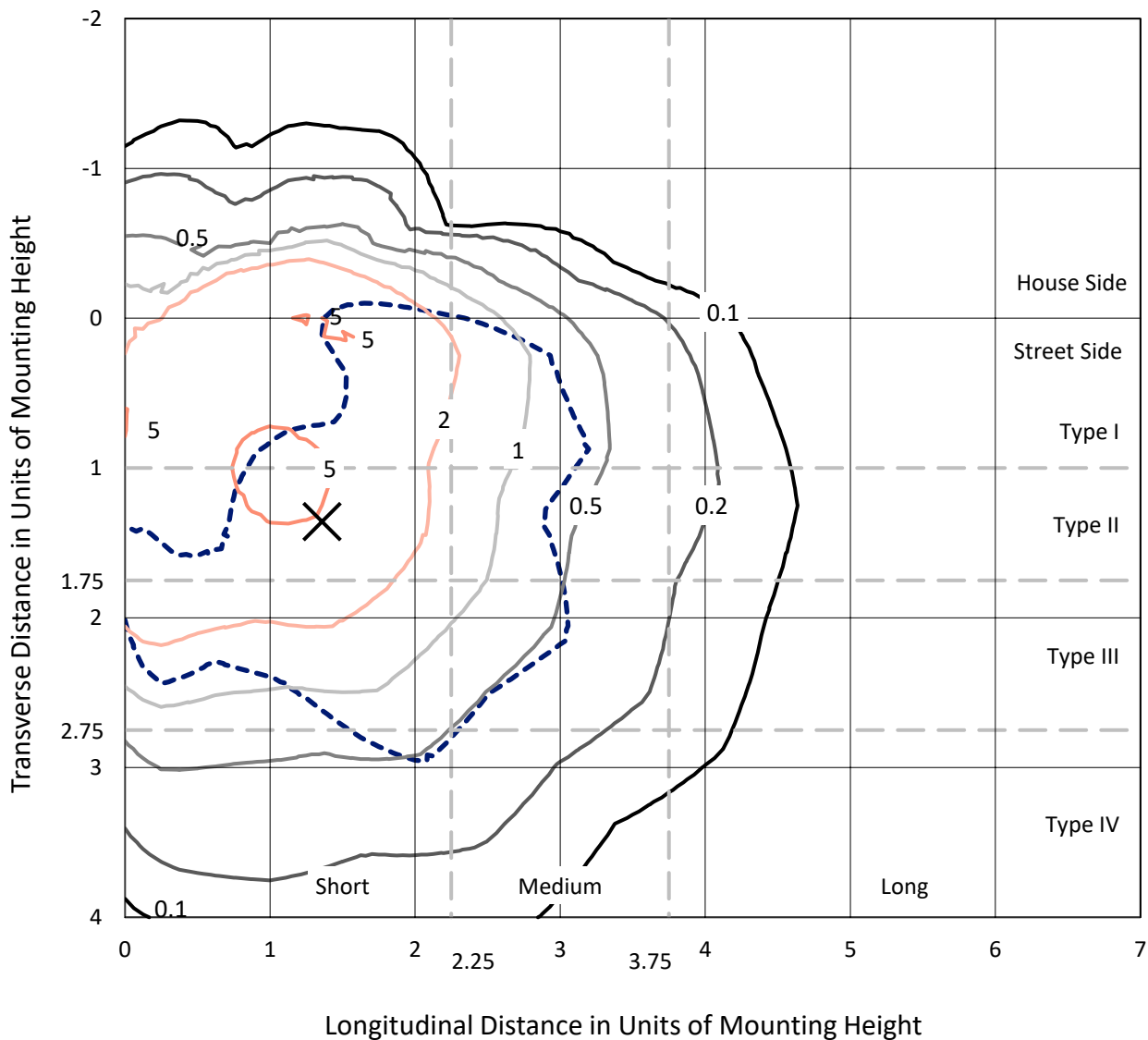
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629797
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

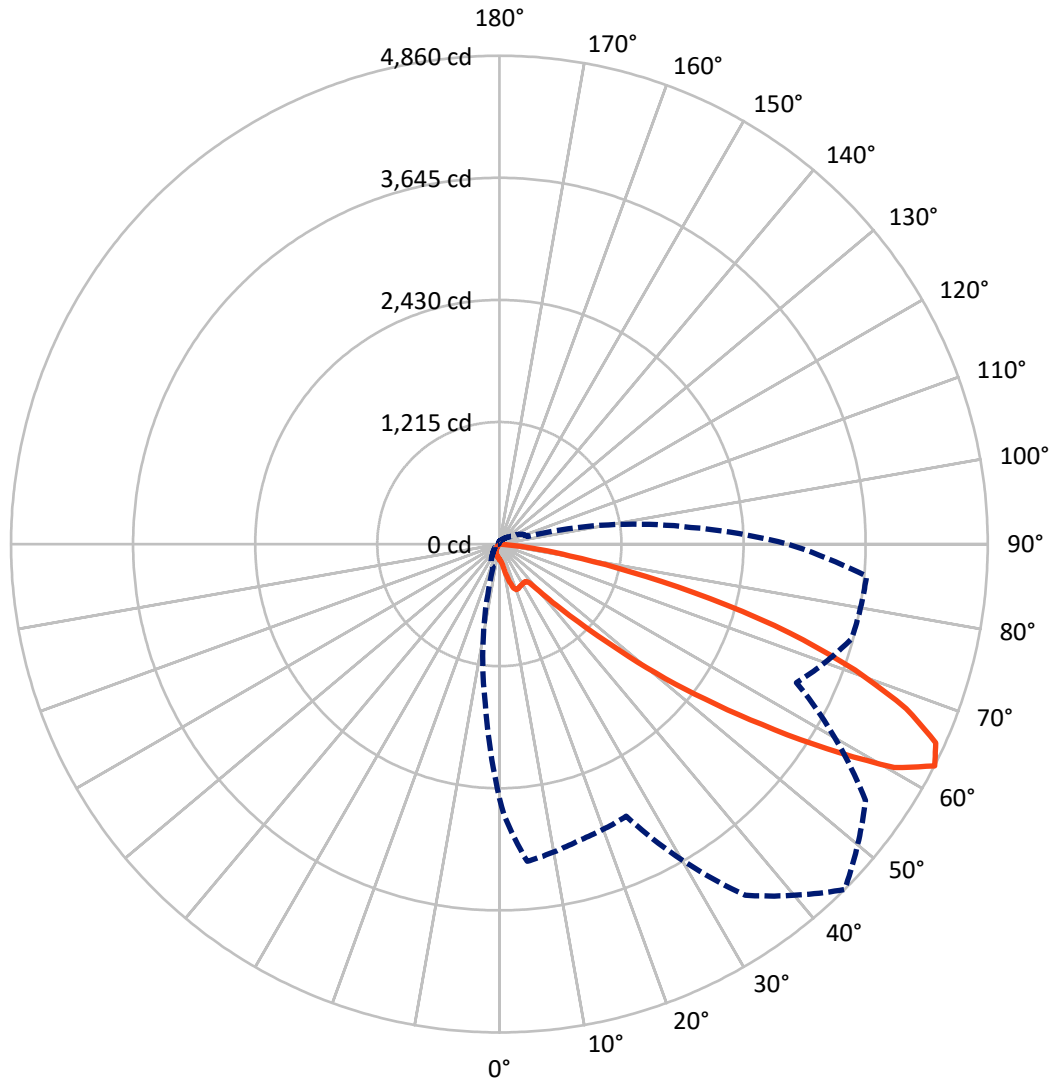
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

REPORT NUMBER: P629797
CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629797
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	363.0	0.0	363.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	2579.0	0.0	2579.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	2942.0	0.0	2942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.5
10°-20°	51.3	1.7
20°-30°	111.5	3.8
30°-40°	183.0	6.2
40°-50°	336.4	11.4
50°-60°	722.5	24.6
60°-70°	970.4	33.0
70°-80°	505.3	17.2
80°-90°	47.9	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°	2942.0	100.0
0°-180°	2942.0	100.0

Coefficient of Utilization



REPORT NUMBER: P629797

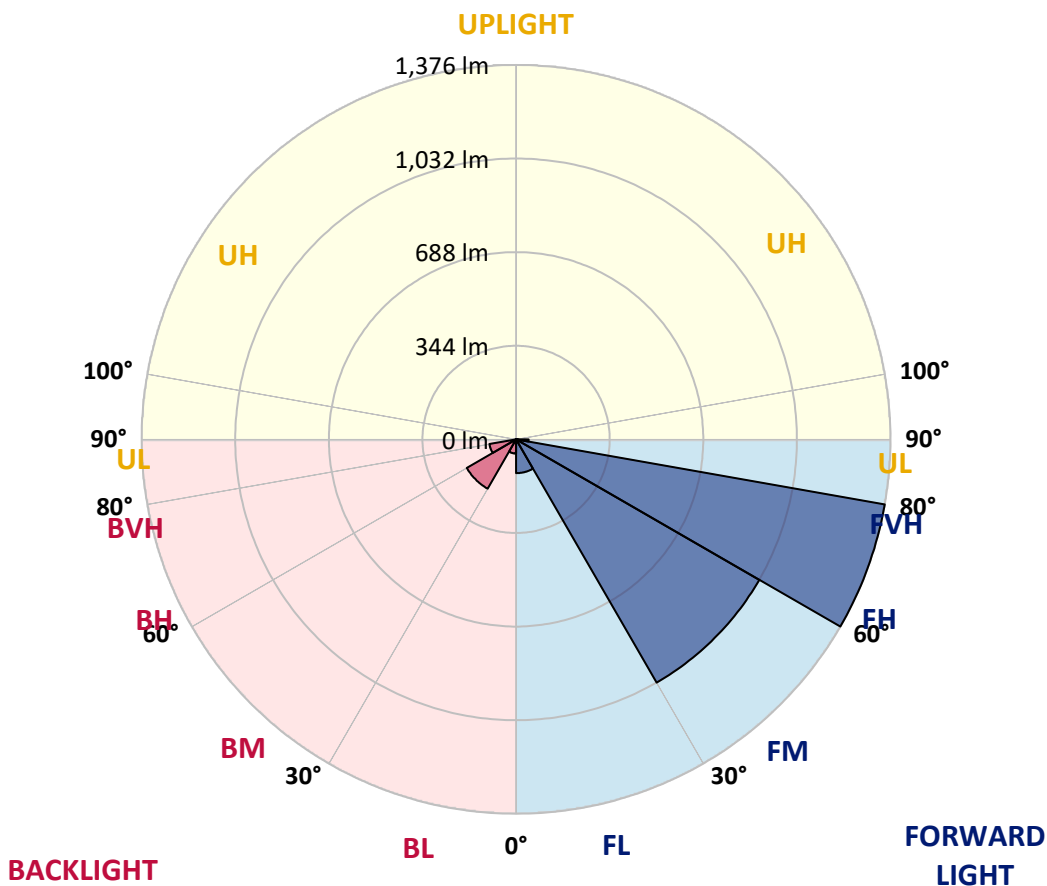
CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.3	4.2			
FM (30°-60°)	1032.6	35.1			
FH (60°-80°)	1376.3	46.8			G1/1800
FVH (80°-90°)	45.8	1.6			G1/100
BL (0°-30°)	52.1	1.8	B0/110		
BM (30°-60°)	209.4	7.1	B0/220		
BH (60°-80°)	99.5	3.4	B0/110		G0/110
BVH (80°-90°)	2.1	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 IV Short





REPORT NUMBER: P629797
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
2.5°	156.0	156.7	157.3	159.7	161.4	162.8	163.1	162.1	159.7	157.3	153.9
5°	151.2	151.9	154.3	160.7	167.2	172.3	174.0	173.0	167.2	159.7	151.9
7.5°	150.9	152.2	158.0	171.6	185.5	196.1	198.8	196.4	185.5	170.6	154.6
10°	163.1	165.5	174.0	198.5	223.9	242.6	250.1	239.9	222.6	195.4	169.2
12.5°	195.1	199.1	215.5	251.1	290.6	315.4	325.6	313.0	285.8	246.4	204.9
15°	245.4	251.5	275.9	329.3	375.8	397.9	401.3	394.2	362.6	319.1	263.4
17.5°	316.4	325.2	363.3	417.6	451.3	459.1	458.1	450.6	427.5	397.6	344.9
20°	401.3	411.9	449.3	494.1	497.5	488.3	483.2	478.8	471.0	465.9	424.8
22.5°	487.0	499.9	539.0	550.2	519.6	493.1	480.5	483.9	495.5	520.6	504.0
25°	572.3	584.5	621.2	591.0	529.8	485.6	469.6	477.8	505.3	559.7	581.1
27.5°	671.8	681.0	702.8	618.8	531.5	479.5	463.9	476.4	510.1	584.2	665.7
30°	775.5	780.9	770.4	626.3	525.7	470.3	458.1	476.4	518.2	600.5	729.3
32.5°	851.6	852.6	818.3	627.0	522.7	462.8	452.7	474.4	526.1	614.1	790.8
35°	930.1	925.0	864.2	637.2	530.8	465.6	456.7	480.2	538.3	630.0	844.8
37.5°	1009.6	1000.5	915.5	653.8	551.9	495.1	489.7	509.7	558.0	652.1	904.3
40°	1091.2	1078.6	968.8	679.0	598.8	595.7	614.4	612.0	612.0	680.3	965.5
42.5°	1190.8	1176.1	1047.7	750.0	708.2	776.5	827.5	795.9	737.4	745.2	1045.0
45°	1322.3	1309.7	1184.3	885.9	879.8	1036.8	1105.5	1042.9	897.5	895.1	1177.8
47.5°	1532.6	1530.2	1402.1	1043.6	1089.8	1368.1	1500.7	1380.4	1080.0	1053.8	1429.3
50°	1828.3	1821.1	1673.7	1228.5	1339.6	1778.7	2015.2	1814.7	1300.5	1239.0	1766.1
52.5°	2161.3	2168.8	2053.9	1430.3	1605.0	2235.4	2564.7	2312.2	1540.1	1474.5	2189.8
55°	2475.0	2517.8	2487.5	1666.5	1864.3	2739.7	3168.2	2858.0	1836.8	1782.7	2664.9
57.5°	2720.3	2841.0	3053.0	2009.7	2169.1	3329.6	3842.1	3449.6	2183.1	2283.3	3311.6
60°	2733.9	2893.6	3386.0	2727.8	2561.3	3835.6	4514.9	4027.6	2727.5	3133.2	3818.3
62.5°	2529.0	2700.3	3169.2	3054.0	2988.4	4266.2	4860.2	4449.0	3263.0	3631.1	3668.1
65°	2294.5	2467.5	2927.3	2684.0	2938.8	4247.8	4772.5	4458.9	3311.6	3292.6	3399.3
67.5°	1940.1	2095.4	2511.7	2375.7	2708.8	4042.9	4367.5	4177.8	3051.0	3079.5	3127.1
70°	1416.1	1565.6	1952.0	1958.8	2365.5	3673.5	3752.7	3726.5	2809.7	2839.9	2704.0
72.5°	1022.9	1149.0	1482.3	1606.4	1888.4	3080.5	3025.8	3126.8	2410.7	2529.3	2171.8
75°	735.4	829.9	1087.4	1397.4	1496.9	2287.7	2166.1	2421.6	1934.3	2178.0	1632.9
77.5°	298.4	331.7	427.8	941.3	983.8	1539.1	1326.0	1758.9	1379.0	1431.0	791.5
80°	12.2	13.6	17.7	486.0	674.6	865.9	709.6	940.3	910.7	576.3	186.9
82.5°	1.4	1.4	3.1	140.0	295.3	477.8	334.4	541.7	461.1	244.3	85.0
85°	0.3	0.3	0.7	16.0	69.3	76.5	45.2	166.2	214.4	99.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.1	3.4	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: P629797
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
2.5°	153.9	152.2	150.2	148.2	147.1	144.4	143.4	142.7	142.0	142.4	142.4
5°	148.8	145.1	140.7	136.3	133.9	131.2	129.8	129.1	129.5	130.8	130.8
7.5°	148.2	141.0	131.5	125.7	123.0	121.0	119.6	118.9	119.3	121.0	121.7
10°	159.4	146.8	129.8	120.0	116.9	114.9	113.5	112.5	111.8	113.2	113.5
12.5°	183.5	166.2	138.0	119.3	113.8	111.1	110.1	108.1	107.0	107.7	108.1
15°	233.5	203.6	154.3	122.0	111.1	108.1	106.4	104.7	103.0	102.6	103.0
17.5°	298.7	255.9	179.1	128.5	109.1	105.3	103.0	100.6	98.2	97.9	97.5
20°	379.6	320.1	213.8	138.6	107.4	103.0	99.6	96.2	93.1	92.1	92.1
22.5°	453.3	397.6	258.3	151.2	105.0	99.6	95.5	91.4	88.0	86.3	86.0
25°	543.4	479.8	311.6	165.8	101.6	95.2	90.7	86.7	83.3	81.2	80.5
27.5°	634.1	566.5	372.1	184.9	97.5	90.7	86.7	82.9	79.2	76.8	76.1
30°	722.1	659.9	440.1	208.7	94.5	86.3	82.9	79.2	75.8	72.0	71.0
32.5°	816.6	755.4	516.2	235.2	92.1	83.3	79.5	76.1	71.7	68.3	66.6
35°	907.7	854.0	600.1	261.0	89.7	80.5	76.5	73.1	68.3	64.6	62.2
37.5°	999.4	954.2	687.8	276.6	86.3	76.8	73.1	70.3	64.9	60.5	57.8
40°	1096.6	1057.9	782.6	270.2	83.3	72.7	70.7	67.6	61.5	56.4	53.0
42.5°	1203.3	1156.8	879.1	245.4	80.5	69.3	67.3	64.2	58.5	52.3	47.9
45°	1337.6	1265.2	958.3	208.0	81.9	65.9	61.8	61.2	55.7	47.9	42.5
47.5°	1568.3	1431.7	1019.8	183.8	91.1	62.2	57.4	59.1	53.4	43.5	37.4
50°	1921.4	1707.6	1077.3	182.1	105.0	60.5	53.4	57.8	51.0	39.1	33.0
52.5°	2257.8	1988.0	1114.0	197.1	117.2	64.9	49.3	56.1	49.3	36.0	29.9
55°	2579.6	2149.7	1048.4	208.0	128.8	78.2	46.2	53.4	47.2	34.3	28.9
57.5°	2926.6	2221.8	825.4	230.1	137.0	89.4	46.9	49.3	44.5	33.3	28.5
60°	3030.2	2129.7	498.2	258.9	132.5	92.8	52.0	43.8	40.8	31.3	27.5
62.5°	2869.2	1911.2	294.0	235.8	128.8	87.7	59.5	40.4	37.0	28.5	25.5
65°	2628.2	1614.5	191.7	199.1	136.6	78.2	63.2	38.7	33.6	25.8	22.4
67.5°	2353.0	1300.5	134.2	117.6	126.1	70.3	53.4	38.4	30.2	21.7	18.4
70°	1981.9	973.9	94.5	77.8	105.0	62.5	41.5	37.4	26.5	17.7	14.3
72.5°	1531.3	609.7	70.3	50.3	74.8	51.0	33.0	31.6	21.4	14.6	10.9
75°	1129.2	347.6	49.6	36.4	49.3	38.7	24.5	22.4	18.4	13.9	9.9
77.5°	589.6	174.0	30.9	27.9	28.2	24.1	17.7	16.3	17.0	13.9	9.2
80°	113.2	34.7	18.7	20.4	15.3	15.3	12.9	13.6	15.0	11.2	7.8
82.5°	47.2	7.5	10.2	11.6	9.5	10.5	10.5	10.9	10.5	8.2	5.8
85°	0.0	0.0	4.4	4.8	6.5	6.5	5.4	5.4	5.4	4.8	3.4
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	2.0	2.4	2.7	2.0	1.4
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: P629797

CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
2.5°	142.0	141.4	142.4	143.1	143.7	143.7	143.1	142.4	141.4	142.4	141.4
5°	131.2	132.2	133.9	134.6	135.3	133.9	133.2	131.2	129.5	129.8	129.1
7.5°	122.7	123.7	125.7	127.1	127.1	126.4	124.4	122.3	119.6	119.6	119.3
10°	114.9	116.2	118.6	120.3	121.0	120.3	118.3	115.5	113.2	113.2	112.1
12.5°	108.4	110.1	112.8	115.2	115.9	115.2	113.2	110.4	107.7	107.7	107.0
15°	103.0	105.0	108.1	110.8	111.8	110.8	108.4	105.0	102.3	102.6	101.6
17.5°	97.9	99.6	103.6	106.7	107.7	106.7	103.6	99.2	96.5	97.2	96.5
20°	92.1	94.1	98.2	101.6	102.6	101.6	98.2	93.5	90.7	90.7	91.1
22.5°	86.0	88.0	92.1	94.5	95.8	94.8	91.4	87.0	84.3	84.3	84.6
25°	80.5	81.6	84.6	87.0	87.3	86.3	83.6	80.2	78.2	79.2	79.5
27.5°	75.4	75.4	76.8	78.2	77.8	76.8	75.8	73.1	72.7	73.7	74.8
30°	70.0	68.3	67.6	66.6	66.3	65.9	66.9	66.9	67.6	69.0	70.0
32.5°	65.2	61.8	58.8	55.7	54.0	55.4	58.1	60.5	62.9	64.9	65.9
35°	59.8	54.4	49.3	45.2	42.5	44.5	48.9	53.4	57.4	60.1	61.8
37.5°	54.4	46.6	40.4	35.3	33.3	35.0	39.8	45.9	52.0	55.4	57.8
40°	48.6	38.7	31.6	27.5	25.5	27.2	31.9	38.1	46.2	50.6	53.7
42.5°	42.8	31.9	25.5	21.4	20.4	21.4	25.1	31.3	40.1	45.5	49.6
45°	37.0	26.5	20.4	17.3	16.3	17.3	20.4	25.5	34.3	40.4	45.2
47.5°	31.9	22.4	17.0	14.3	13.6	14.6	17.0	21.4	28.9	35.0	40.4
50°	27.9	19.7	14.6	12.2	11.6	12.6	14.6	18.0	24.5	29.9	35.7
52.5°	25.1	18.4	12.9	10.5	10.2	10.9	12.6	15.3	20.7	25.5	30.9
55°	24.5	18.4	11.9	9.5	9.2	9.9	11.2	13.3	18.0	22.1	26.8
57.5°	25.1	19.7	11.2	8.2	7.8	8.5	9.9	11.6	15.6	19.0	23.4
60°	25.1	20.0	9.9	6.5	6.1	6.8	8.2	10.2	13.9	16.7	20.4
62.5°	22.8	18.4	8.2	5.1	4.4	5.1	6.8	8.5	12.2	15.0	18.0
65°	19.7	15.6	6.8	3.7	3.1	3.7	5.4	7.1	10.5	12.9	16.3
67.5°	16.0	11.9	5.1	2.7	2.0	2.7	4.1	5.8	8.8	11.2	14.6
70°	11.9	8.5	4.1	2.4	2.0	2.4	3.7	5.4	7.8	10.2	13.6
72.5°	8.8	5.8	3.4	2.4	1.7	2.4	3.4	5.1	7.5	9.9	12.9
75°	7.5	4.8	3.1	2.0	1.7	2.0	3.1	4.8	6.8	9.2	12.2
77.5°	7.1	4.4	2.7	1.7	1.4	1.7	2.7	4.1	6.1	8.5	11.9
80°	6.1	3.7	2.4	1.4	1.0	1.4	2.4	3.4	4.8	6.5	9.2
82.5°	4.8	3.1	1.7	0.7	0.3	0.7	1.7	2.0	3.1	3.7	5.4
85°	3.1	1.7	0.7	0.0	0.0	0.0	0.7	1.4	1.4	1.7	2.7
87.5°	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0
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: P629797
 CATALOG NUMBER: GWS-SA1C-735-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
2.5°	143.4	143.7	144.4	145.4	147.8	149.9	151.9	154.6	156.0	156.0
5°	129.8	130.2	130.5	131.9	135.3	138.0	142.4	147.8	150.5	151.2
7.5°	119.3	120.0	120.6	121.7	125.1	128.8	134.6	144.8	149.9	150.9
10°	113.2	114.2	115.5	117.6	120.6	124.7	134.6	152.9	161.4	163.1
12.5°	108.4	110.1	111.5	113.8	117.6	124.0	143.7	176.0	191.0	195.1
15°	103.6	105.7	107.7	110.1	114.2	126.4	161.4	217.5	242.3	245.4
17.5°	98.9	101.3	104.0	106.7	111.8	132.2	189.3	274.9	309.6	316.4
20°	93.5	96.5	100.2	103.6	109.4	141.4	228.0	343.2	386.7	401.3
22.5°	87.7	91.4	95.8	100.2	106.7	152.6	274.9	416.6	477.5	487.0
25°	82.9	86.7	90.7	95.2	102.3	166.2	331.7	507.7	563.1	572.3
27.5°	78.5	82.2	86.0	90.1	97.9	183.8	400.0	604.6	662.3	671.8
30°	73.7	78.2	81.9	86.0	93.8	205.6	478.8	711.9	766.7	775.5
32.5°	69.7	74.1	77.8	81.9	90.7	229.4	561.7	807.1	851.6	851.6
35°	66.3	71.0	73.7	79.2	88.4	244.7	640.2	897.8	931.5	930.1
37.5°	62.5	68.3	70.3	74.1	85.3	246.4	714.0	993.7	1018.5	1009.6
40°	58.8	64.9	68.0	70.0	81.9	232.4	794.9	1081.7	1102.7	1091.2
42.5°	55.4	60.1	64.6	66.9	79.9	208.0	859.8	1175.8	1201.0	1190.8
45°	52.0	56.1	58.8	63.2	81.2	191.0	915.5	1285.6	1329.7	1322.3
47.5°	48.6	52.0	53.7	60.5	90.4	183.2	949.5	1455.5	1538.7	1532.6
50°	44.9	48.9	48.9	59.8	104.0	185.9	979.0	1701.5	1830.3	1828.3
52.5°	41.1	45.5	44.9	64.9	114.5	198.5	1012.7	1918.7	2142.6	2161.3
55°	37.4	41.5	42.1	75.1	120.6	209.3	882.5	2010.1	2409.4	2475.0
57.5°	33.3	35.7	43.8	82.9	118.6	240.9	604.6	2026.7	2579.6	2720.3
60°	28.9	30.9	49.6	81.2	112.1	222.6	380.6	1877.2	2555.5	2733.9
62.5°	25.1	28.5	52.3	71.7	114.2	193.0	242.6	1599.9	2325.4	2529.0
65°	22.1	27.5	47.6	64.9	115.5	130.8	163.8	1301.5	2100.8	2294.5
67.5°	19.7	30.6	39.1	57.8	99.2	92.1	112.5	1011.3	1766.4	1940.1
70°	18.0	31.3	31.9	49.6	76.8	59.1	74.1	680.7	1217.6	1416.1
72.5°	16.3	23.1	24.1	39.8	49.6	36.0	47.9	389.4	887.6	1022.9
75°	15.6	15.6	16.7	25.8	27.5	26.2	30.9	232.4	636.5	735.4
77.5°	14.6	11.9	10.5	16.7	15.0	18.7	18.4	103.3	275.9	298.4
80°	11.6	8.5	7.1	10.5	10.2	12.6	10.9	8.5	12.6	12.2
82.5°	7.1	5.4	5.1	6.5	5.8	6.5	5.1	1.4	1.4	1.4
85°	3.4	3.1	2.7	2.7	3.1	2.7	2.0	0.7	0.3	0.3
87.5°	1.7	1.7	1.4	1.0	1.4	1.4	1.0	0.3	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)