

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: P628972

Luminaire Tested: GWS-SA1A-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628972
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-SA1A-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1780.5 lumens
Efficiency: N/A
Efficacy: 90.4 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

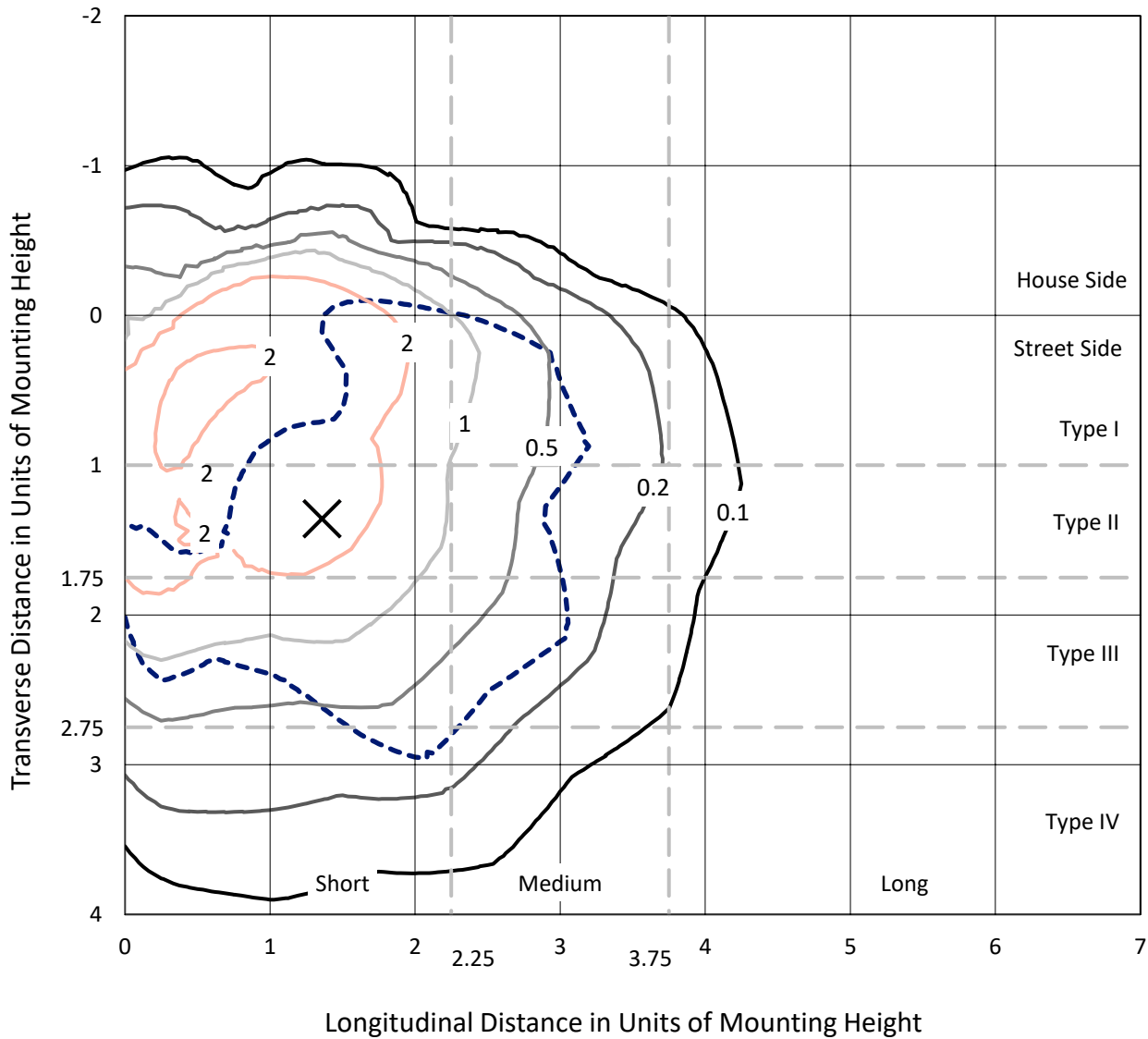
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628972
 CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

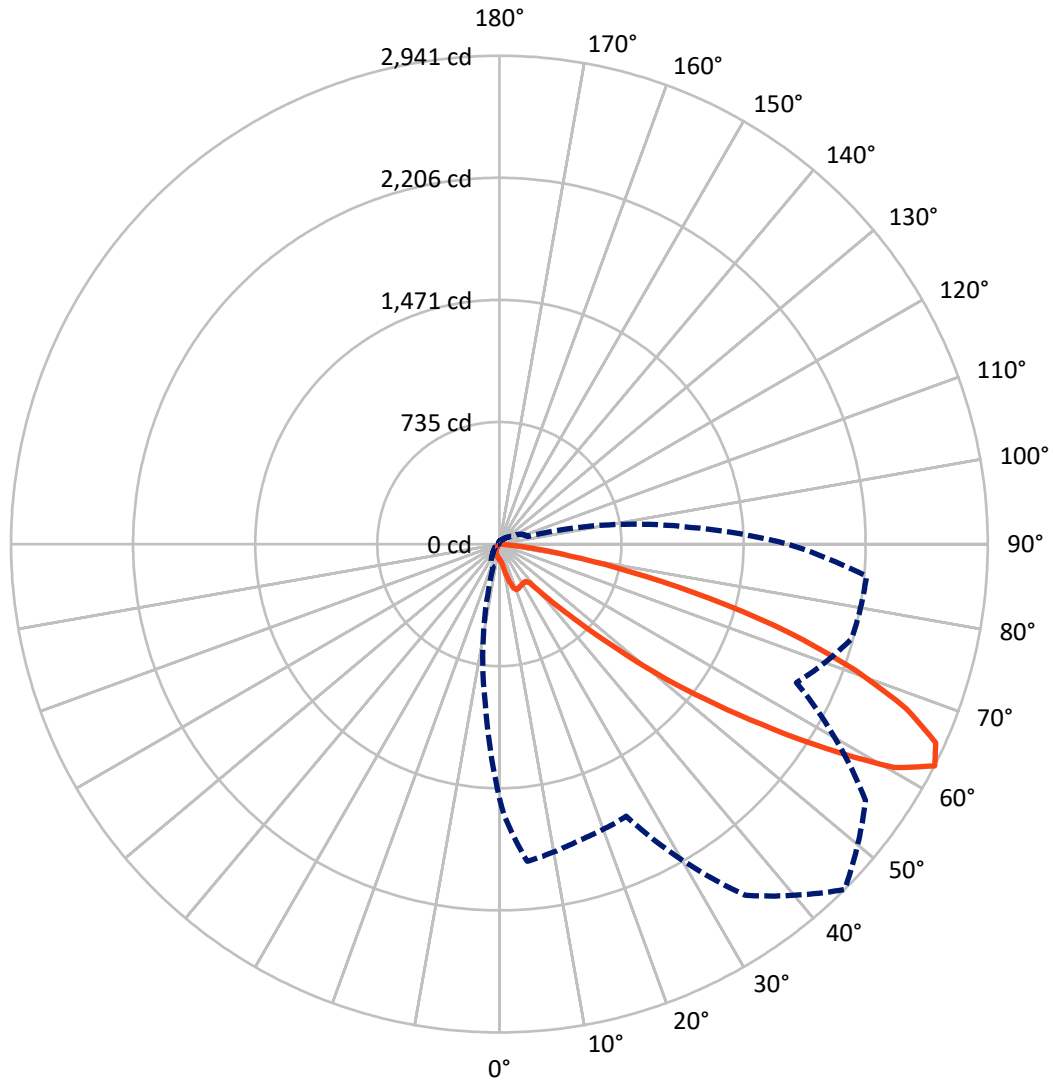
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P628972
CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P628972
 CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

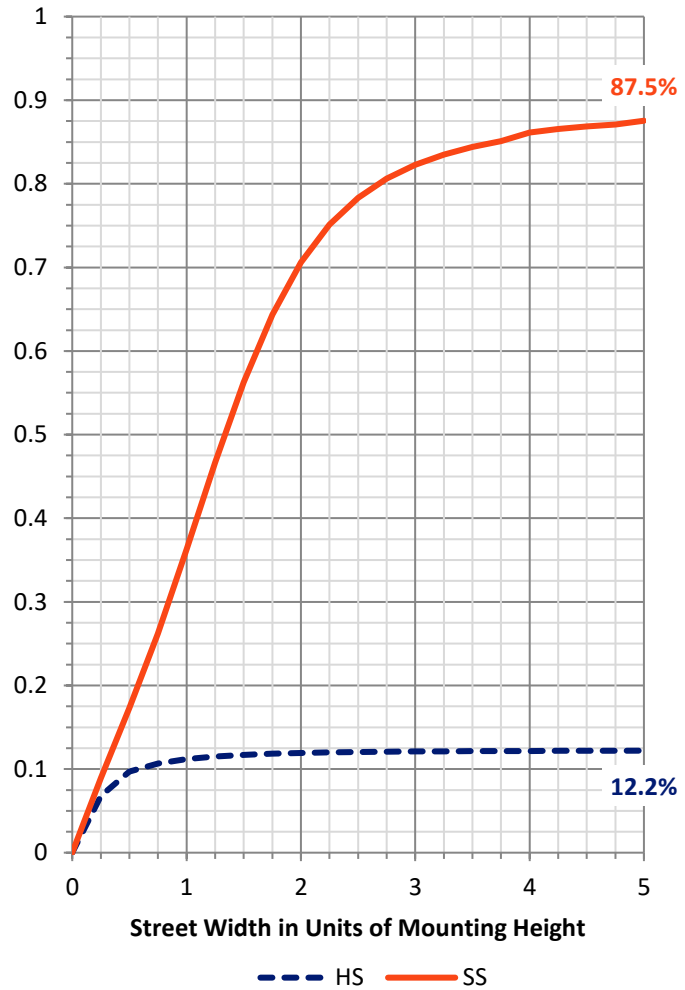
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	219.7	0.0	219.7
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1560.8	0.0	1560.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	1780.5	0.0	1780.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.5
10°-20°	31.0	1.7
20°-30°	67.5	3.8
30°-40°	110.8	6.2
40°-50°	203.6	11.4
50°-60°	437.3	24.6
60°-70°	587.3	33.0
70°-80°	305.8	17.2
80°-90°	29.0	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°	1780.5	100.0
0°-180°	1780.5	100.0

Coefficient of Utilization



REPORT NUMBER: P628972

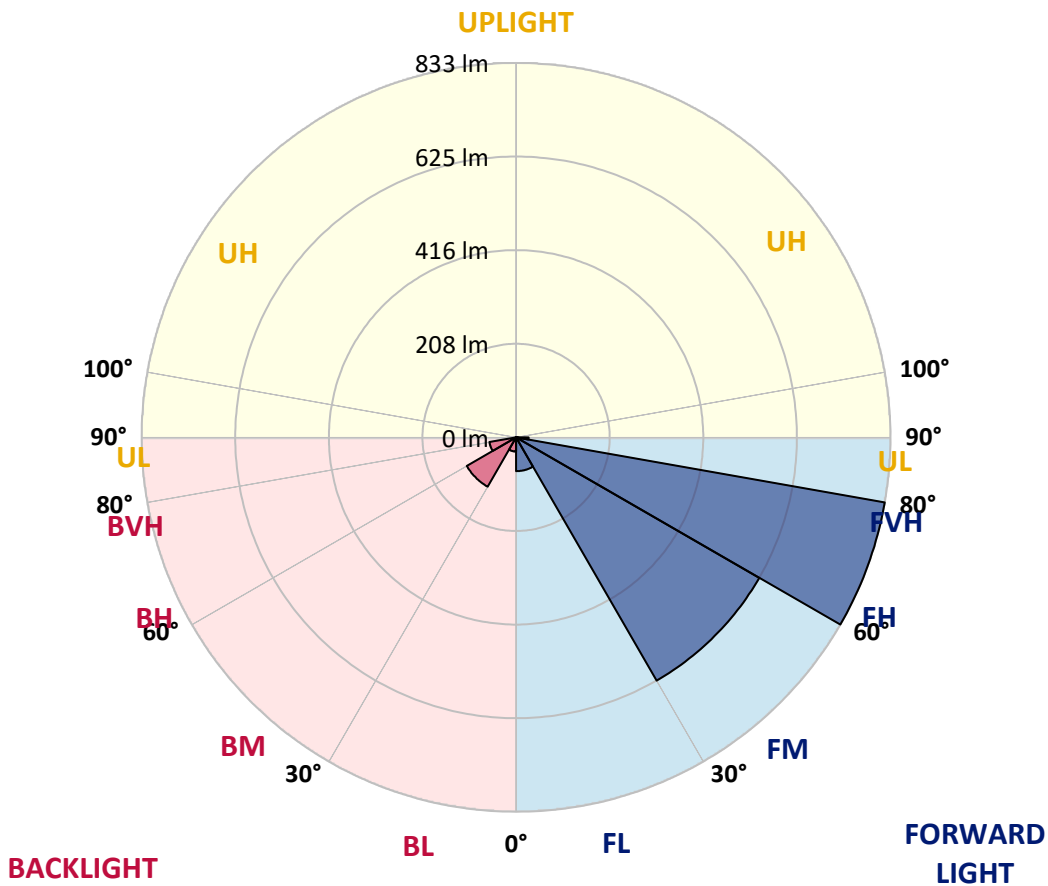
CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.2	4.2			
FM (30°-60°)	624.9	35.1			
FH (60°-80°)	832.9	46.8			G1/1800
FVH (80°-90°)	27.7	1.6			G1/100
BL (0°-30°)	31.5	1.8	B0/110		
BM (30°-60°)	126.7	7.1	B0/220		
BH (60°-80°)	60.2	3.4	B0/110		G0/110
BVH (80°-90°)	1.3	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: P628972
 CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	94.4	94.8	95.2	96.7	97.7	98.5	98.7	98.1	96.7	95.2	93.2
5°	91.5	91.9	93.4	97.3	101.2	104.3	105.3	104.7	101.2	96.7	91.9
7.5°	91.3	92.1	95.6	103.9	112.3	118.7	120.3	118.9	112.3	103.2	93.6
10°	98.7	100.2	105.3	120.1	135.5	146.8	151.4	145.2	134.7	118.3	102.4
12.5°	118.1	120.5	130.4	152.0	175.8	190.9	197.0	189.4	173.0	149.1	124.0
15°	148.5	152.2	167.0	199.3	227.5	240.8	242.9	238.6	219.4	193.1	159.4
17.5°	191.5	196.8	219.9	252.8	273.1	277.9	277.2	272.7	258.7	240.6	208.7
20°	242.9	249.3	271.9	299.0	301.1	295.5	292.5	289.8	285.1	282.0	257.1
22.5°	294.7	302.5	326.2	333.0	314.5	298.4	290.8	292.9	299.9	315.1	305.0
25°	346.3	353.7	376.0	357.6	320.6	293.9	284.2	289.2	305.8	338.7	351.7
27.5°	406.6	412.2	425.3	374.5	321.7	290.2	280.7	288.3	308.7	353.5	402.9
30°	469.3	472.6	466.2	379.0	318.2	284.6	277.2	288.3	313.6	363.4	441.4
32.5°	515.4	516.0	495.2	379.4	316.3	280.1	273.9	287.1	318.4	371.6	478.6
35°	562.9	559.8	523.0	385.6	321.2	281.8	276.4	290.6	325.8	381.3	511.3
37.5°	611.0	605.5	554.1	395.7	334.0	299.7	296.4	308.5	337.7	394.7	547.3
40°	660.4	652.8	586.3	410.9	362.4	360.5	371.8	370.4	370.4	411.7	584.3
42.5°	720.6	711.8	634.1	453.9	428.6	469.9	500.8	481.7	446.3	451.0	632.4
45°	800.2	792.6	716.7	536.2	532.5	627.5	669.0	631.2	543.2	541.7	712.8
47.5°	927.5	926.1	848.6	631.6	659.6	828.0	908.2	835.4	653.6	637.8	865.0
50°	1106.5	1102.2	1012.9	743.5	810.7	1076.4	1219.6	1098.2	787.1	749.9	1068.8
52.5°	1308.0	1312.5	1243.0	865.6	971.4	1352.9	1552.1	1399.3	932.1	892.4	1325.3
55°	1497.8	1523.8	1505.5	1008.6	1128.3	1658.1	1917.4	1729.6	1111.6	1078.9	1612.8
57.5°	1646.3	1719.3	1847.7	1216.3	1312.8	2015.1	2325.2	2087.7	1321.2	1381.9	2004.2
60°	1654.6	1751.2	2049.2	1650.9	1550.1	2321.3	2732.4	2437.5	1650.7	1896.2	2310.8
62.5°	1530.6	1634.2	1918.0	1848.3	1808.6	2581.9	2941.4	2692.6	1974.8	2197.5	2219.9
65°	1388.6	1493.3	1771.6	1624.3	1778.6	2570.8	2888.3	2698.5	2004.2	1992.7	2057.3
67.5°	1174.1	1268.1	1520.1	1437.8	1639.3	2446.8	2643.2	2528.4	1846.5	1863.7	1892.5
70°	857.0	947.5	1181.3	1185.4	1431.6	2223.2	2271.1	2255.3	1700.4	1718.7	1636.5
72.5°	619.0	695.3	897.1	972.2	1142.9	1864.3	1831.2	1892.3	1459.0	1530.8	1314.4
75°	445.1	502.2	658.1	845.7	905.9	1384.5	1310.9	1465.6	1170.6	1318.1	988.2
77.5°	180.6	200.7	258.9	569.7	595.4	931.5	802.5	1064.5	834.6	866.1	479.0
80°	7.4	8.2	10.7	294.1	408.2	524.0	429.4	569.1	551.2	348.8	113.1
82.5°	0.8	0.8	1.9	84.7	178.7	289.2	202.4	327.8	279.1	147.9	51.4
85°	0.2	0.2	0.4	9.7	42.0	46.3	27.4	100.6	129.8	60.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.1	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: P628972
 CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	93.2	92.1	90.9	89.7	89.1	87.4	86.8	86.4	86.0	86.2	86.2
5°	90.1	87.8	85.1	82.5	81.0	79.4	78.6	78.2	78.4	79.2	79.2
7.5°	89.7	85.4	79.6	76.1	74.5	73.2	72.4	72.0	72.2	73.2	73.6
10°	96.5	88.8	78.6	72.6	70.7	69.5	68.7	68.1	67.7	68.5	68.7
12.5°	111.1	100.6	83.5	72.2	68.9	67.3	66.6	65.4	64.8	65.2	65.4
15°	141.3	123.2	93.4	73.8	67.3	65.4	64.4	63.3	62.3	62.1	62.3
17.5°	180.8	154.9	108.4	77.7	66.0	63.8	62.3	60.9	59.4	59.2	59.0
20°	229.7	193.7	129.4	83.9	65.0	62.3	60.3	58.2	56.4	55.7	55.7
22.5°	274.4	240.6	156.3	91.5	63.6	60.3	57.8	55.3	53.3	52.2	52.0
25°	328.9	290.4	188.6	100.4	61.5	57.6	54.9	52.4	50.4	49.2	48.7
27.5°	383.8	342.8	225.2	111.9	59.0	54.9	52.4	50.2	47.9	46.5	46.1
30°	437.0	399.4	266.3	126.3	57.2	52.2	50.2	47.9	45.9	43.6	43.0
32.5°	494.2	457.2	312.4	142.3	55.7	50.4	48.1	46.1	43.4	41.3	40.3
35°	549.3	516.8	363.2	157.9	54.3	48.7	46.3	44.2	41.3	39.1	37.6
37.5°	604.9	577.5	416.3	167.4	52.2	46.5	44.2	42.6	39.3	36.6	35.0
40°	663.7	640.2	473.6	163.5	50.4	44.0	42.8	40.9	37.2	34.1	32.1
42.5°	728.3	700.1	532.1	148.5	48.7	42.0	40.7	38.9	35.4	31.7	29.0
45°	809.5	765.7	580.0	125.9	49.6	39.9	37.4	37.0	33.7	29.0	25.7
47.5°	949.1	866.5	617.2	111.3	55.1	37.6	34.8	35.8	32.3	26.3	22.6
50°	1162.8	1033.5	652.0	110.2	63.6	36.6	32.3	35.0	30.8	23.7	19.9
52.5°	1366.4	1203.1	674.2	119.3	71.0	39.3	29.8	33.9	29.8	21.8	18.1
55°	1561.2	1301.0	634.5	125.9	77.9	47.3	28.0	32.3	28.6	20.8	17.5
57.5°	1771.2	1344.6	499.6	139.2	82.9	54.1	28.4	29.8	26.9	20.2	17.3
60°	1833.9	1288.9	301.5	156.7	80.2	56.1	31.5	26.5	24.7	18.9	16.7
62.5°	1736.4	1156.7	177.9	142.7	77.9	53.1	36.0	24.5	22.4	17.3	15.4
65°	1590.6	977.1	116.0	120.5	82.7	47.3	38.3	23.4	20.4	15.6	13.6
67.5°	1424.0	787.1	81.2	71.2	76.3	42.6	32.3	23.2	18.3	13.2	11.1
70°	1199.4	589.4	57.2	47.1	63.6	37.8	25.1	22.6	16.0	10.7	8.6
72.5°	926.7	369.0	42.6	30.4	45.2	30.8	19.9	19.1	13.0	8.8	6.6
75°	683.4	210.4	30.0	22.0	29.8	23.4	14.8	13.6	11.1	8.4	6.0
77.5°	356.8	105.3	18.7	16.9	17.1	14.6	10.7	9.9	10.3	8.4	5.6
80°	68.5	21.0	11.3	12.3	9.3	9.3	7.8	8.2	9.0	6.8	4.7
82.5°	28.6	4.5	6.2	7.0	5.8	6.4	6.4	6.6	6.4	4.9	3.5
85°	0.0	0.0	2.7	2.9	3.9	3.9	3.3	3.3	3.3	2.9	2.1
87.5°	0.0	0.0	0.0	0.0	0.2	0.6	1.2	1.4	1.6	1.2	0.8
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: P628972
 CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	86.0	85.6	86.2	86.6	87.0	87.0	86.6	86.2	85.6	86.2	85.6
5°	79.4	80.0	81.0	81.4	81.9	81.0	80.6	79.4	78.4	78.6	78.2
7.5°	74.2	74.9	76.1	76.9	76.9	76.5	75.3	74.0	72.4	72.4	72.2
10°	69.5	70.3	71.8	72.8	73.2	72.8	71.6	69.9	68.5	68.5	67.9
12.5°	65.6	66.6	68.3	69.7	70.1	69.7	68.5	66.8	65.2	65.2	64.8
15°	62.3	63.6	65.4	67.0	67.7	67.0	65.6	63.6	61.9	62.1	61.5
17.5°	59.2	60.3	62.7	64.6	65.2	64.6	62.7	60.1	58.4	58.8	58.4
20°	55.7	57.0	59.4	61.5	62.1	61.5	59.4	56.6	54.9	54.9	55.1
22.5°	52.0	53.3	55.7	57.2	58.0	57.4	55.3	52.6	51.0	51.0	51.2
25°	48.7	49.4	51.2	52.6	52.9	52.2	50.6	48.5	47.3	47.9	48.1
27.5°	45.7	45.7	46.5	47.3	47.1	46.5	45.9	44.2	44.0	44.6	45.2
30°	42.4	41.3	40.9	40.3	40.1	39.9	40.5	40.5	40.9	41.7	42.4
32.5°	39.5	37.4	35.6	33.7	32.7	33.5	35.2	36.6	38.0	39.3	39.9
35°	36.2	32.9	29.8	27.4	25.7	26.9	29.6	32.3	34.8	36.4	37.4
37.5°	32.9	28.2	24.5	21.4	20.2	21.2	24.1	27.8	31.5	33.5	35.0
40°	29.4	23.4	19.1	16.7	15.4	16.5	19.3	23.0	28.0	30.6	32.5
42.5°	25.9	19.3	15.4	13.0	12.3	13.0	15.2	18.9	24.3	27.6	30.0
45°	22.4	16.0	12.3	10.5	9.9	10.5	12.3	15.4	20.8	24.5	27.4
47.5°	19.3	13.6	10.3	8.6	8.2	8.8	10.3	13.0	17.5	21.2	24.5
50°	16.9	11.9	8.8	7.4	7.0	7.6	8.8	10.9	14.8	18.1	21.6
52.5°	15.2	11.1	7.8	6.4	6.2	6.6	7.6	9.3	12.5	15.4	18.7
55°	14.8	11.1	7.2	5.8	5.6	6.0	6.8	8.0	10.9	13.4	16.2
57.5°	15.2	11.9	6.8	4.9	4.7	5.1	6.0	7.0	9.5	11.5	14.2
60°	15.2	12.1	6.0	3.9	3.7	4.1	4.9	6.2	8.4	10.1	12.3
62.5°	13.8	11.1	4.9	3.1	2.7	3.1	4.1	5.1	7.4	9.0	10.9
65°	11.9	9.5	4.1	2.3	1.9	2.3	3.3	4.3	6.4	7.8	9.9
67.5°	9.7	7.2	3.1	1.6	1.2	1.6	2.5	3.5	5.3	6.8	8.8
70°	7.2	5.1	2.5	1.4	1.2	1.4	2.3	3.3	4.7	6.2	8.2
72.5°	5.3	3.5	2.1	1.4	1.0	1.4	2.1	3.1	4.5	6.0	7.8
75°	4.5	2.9	1.9	1.2	1.0	1.2	1.9	2.9	4.1	5.6	7.4
77.5°	4.3	2.7	1.6	1.0	0.8	1.0	1.6	2.5	3.7	5.1	7.2
80°	3.7	2.3	1.4	0.8	0.6	0.8	1.4	2.1	2.9	3.9	5.6
82.5°	2.9	1.9	1.0	0.4	0.2	0.4	1.0	1.2	1.9	2.3	3.3
85°	1.9	1.0	0.4	0.0	0.0	0.0	0.4	0.8	0.8	1.0	1.6
87.5°	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6
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: P628972
 CATALOG NUMBER: GWS-SA1A-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2.5°	86.8	87.0	87.4	88.0	89.5	90.7	91.9	93.6	94.4	94.4
5°	78.6	78.8	79.0	79.8	81.9	83.5	86.2	89.5	91.1	91.5
7.5°	72.2	72.6	73.0	73.6	75.7	77.9	81.4	87.6	90.7	91.3
10°	68.5	69.1	69.9	71.2	73.0	75.5	81.4	92.5	97.7	98.7
12.5°	65.6	66.6	67.5	68.9	71.2	75.1	87.0	106.5	115.6	118.1
15°	62.7	64.0	65.2	66.6	69.1	76.5	97.7	131.6	146.6	148.5
17.5°	59.8	61.3	62.9	64.6	67.7	80.0	114.6	166.4	187.4	191.5
20°	56.6	58.4	60.7	62.7	66.2	85.6	138.0	207.7	234.0	242.9
22.5°	53.1	55.3	58.0	60.7	64.6	92.3	166.4	252.1	289.0	294.7
25°	50.2	52.4	54.9	57.6	61.9	100.6	200.7	307.3	340.8	346.3
27.5°	47.5	49.8	52.0	54.5	59.2	111.3	242.1	365.9	400.8	406.6
30°	44.6	47.3	49.6	52.0	56.8	124.4	289.8	430.9	464.0	469.3
32.5°	42.2	44.8	47.1	49.6	54.9	138.8	340.0	488.5	515.4	515.4
35°	40.1	43.0	44.6	47.9	53.5	148.1	387.5	543.4	563.7	562.9
37.5°	37.8	41.3	42.6	44.8	51.6	149.1	432.1	601.4	616.4	611.0
40°	35.6	39.3	41.1	42.4	49.6	140.7	481.0	654.6	667.4	660.4
42.5°	33.5	36.4	39.1	40.5	48.3	125.9	520.3	711.6	726.8	720.6
45°	31.5	33.9	35.6	38.3	49.2	115.6	554.1	778.0	804.8	800.2
47.5°	29.4	31.5	32.5	36.6	54.7	110.9	574.6	880.9	931.2	927.5
50°	27.1	29.6	29.6	36.2	62.9	112.5	592.5	1029.8	1107.7	1106.5
52.5°	24.9	27.6	27.1	39.3	69.3	120.1	612.9	1161.2	1296.7	1308.0
55°	22.6	25.1	25.5	45.5	73.0	126.7	534.1	1216.5	1458.2	1497.8
57.5°	20.2	21.6	26.5	50.2	71.8	145.8	365.9	1226.6	1561.2	1646.3
60°	17.5	18.7	30.0	49.2	67.9	134.7	230.3	1136.1	1546.6	1654.6
62.5°	15.2	17.3	31.7	43.4	69.1	116.8	146.8	968.3	1407.4	1530.6
65°	13.4	16.7	28.8	39.3	69.9	79.2	99.1	787.7	1271.4	1388.6
67.5°	11.9	18.5	23.7	35.0	60.1	55.7	68.1	612.1	1069.0	1174.1
70°	10.9	18.9	19.3	30.0	46.5	35.8	44.8	411.9	736.9	857.0
72.5°	9.9	14.0	14.6	24.1	30.0	21.8	29.0	235.7	537.2	619.0
75°	9.5	9.5	10.1	15.6	16.7	15.8	18.7	140.7	385.2	445.1
77.5°	8.8	7.2	6.4	10.1	9.0	11.3	11.1	62.5	167.0	180.6
80°	7.0	5.1	4.3	6.4	6.2	7.6	6.6	5.1	7.6	7.4
82.5°	4.3	3.3	3.1	3.9	3.5	3.9	3.1	0.8	0.8	0.8
85°	2.1	1.9	1.6	1.6	1.9	1.6	1.2	0.4	0.2	0.2
87.5°	1.0	1.0	0.8	0.6	0.8	0.8	0.6	0.2	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)