

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: P635731

Luminaire Tested: GWS-SA3E-735-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635731  
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-SA3E-735-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

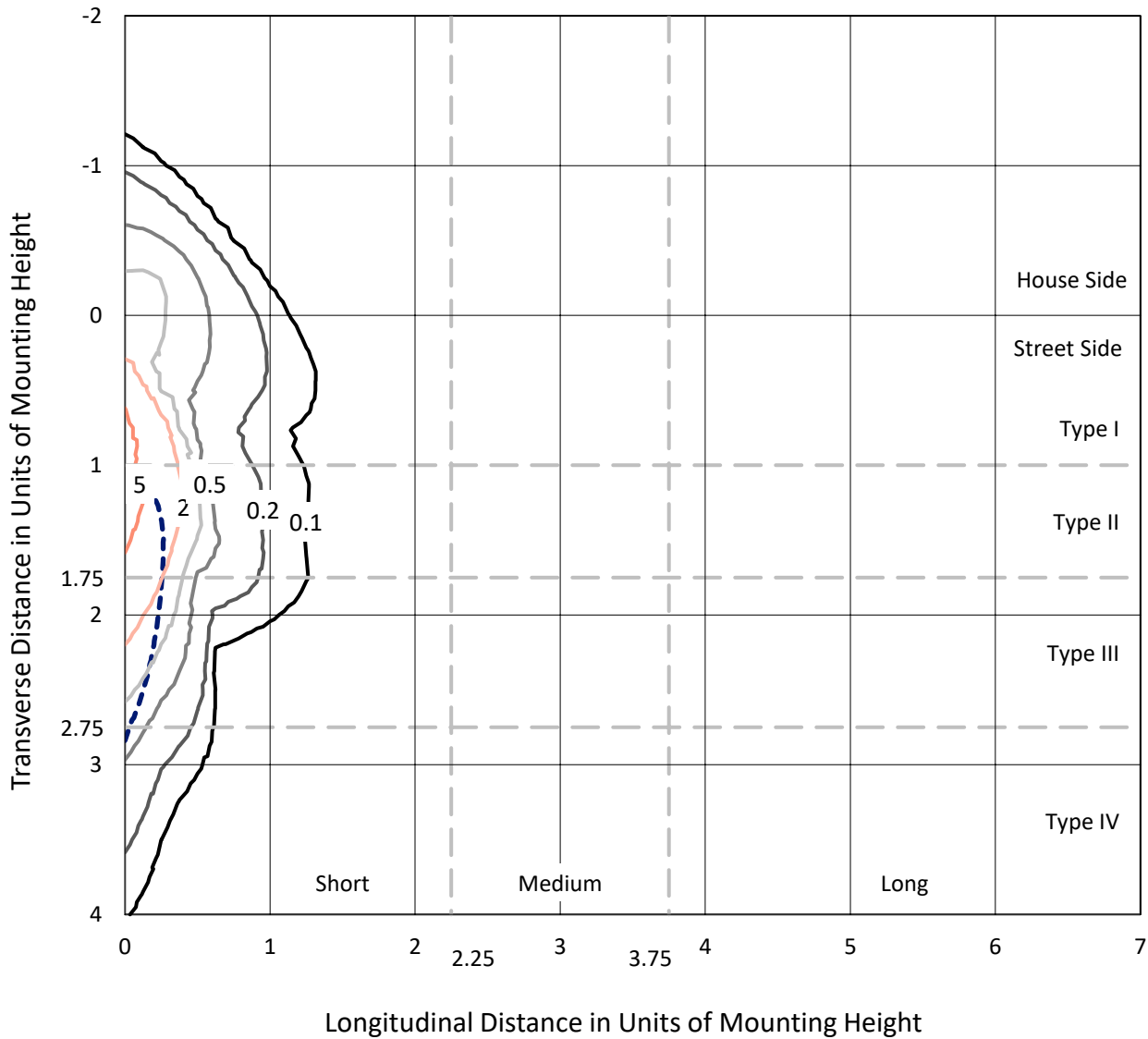
Lumens per Lamp: N/A  
Luminaire Lumens: 13132.7 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P635731  
 CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

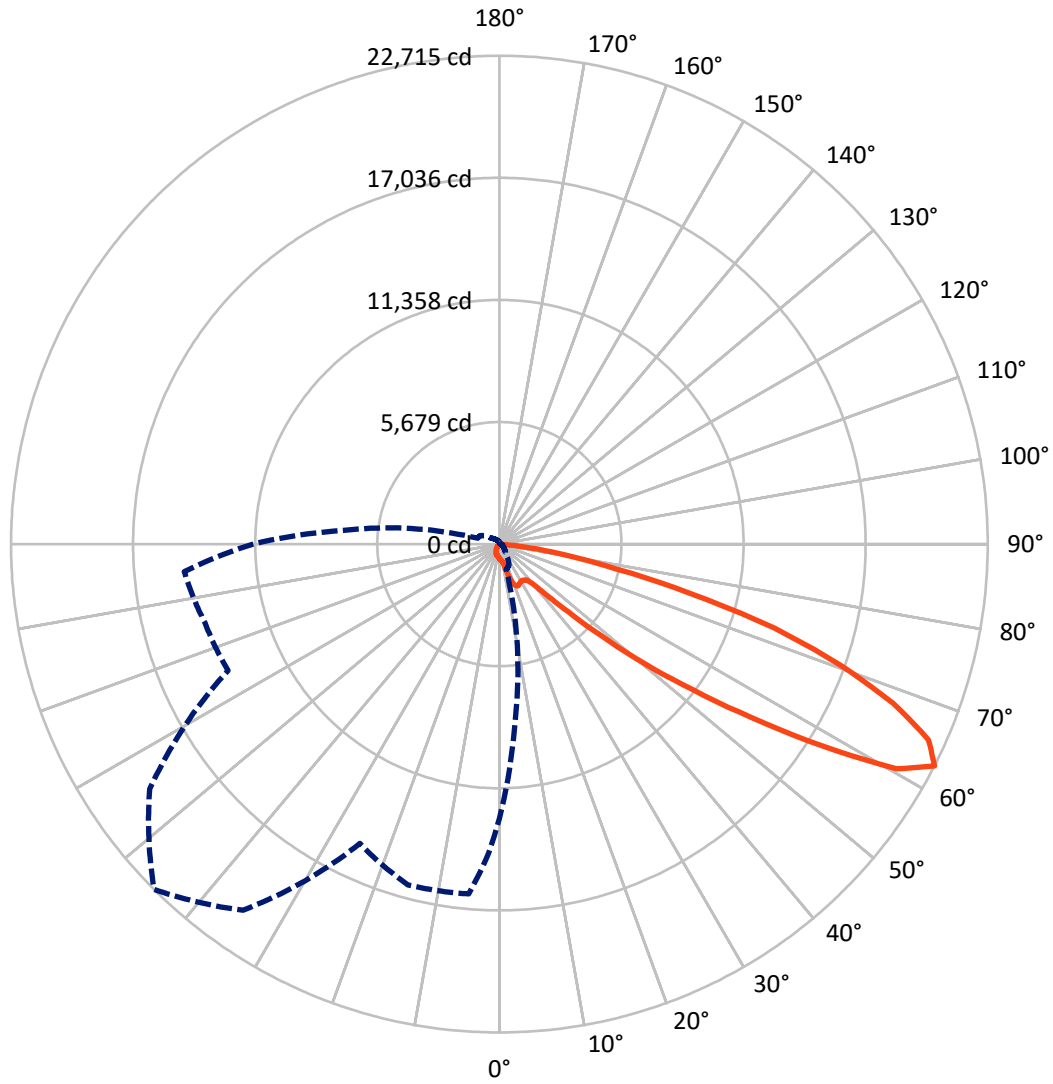
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P635731  
CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635731

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

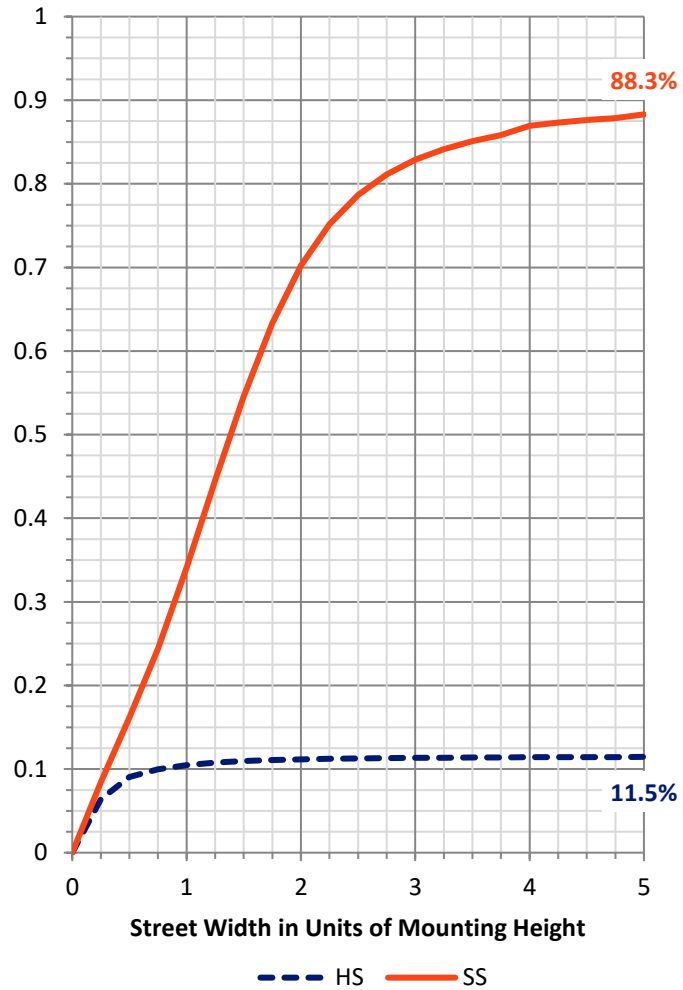
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1525.9	0.0	1525.9
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	11606.8	0.0	11606.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	13132.7	0.0	13132.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	0.4
10°-20°	201.6	1.5
20°-30°	455.4	3.5
30°-40°	784.5	6.0
40°-50°	1479.9	11.3
50°-60°	3304.3	25.2
60°-70°	4419.5	33.7
70°-80°	2216.2	16.9
80°-90°	212.4	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°	13132.7	100.0
0°-180°	13132.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635731

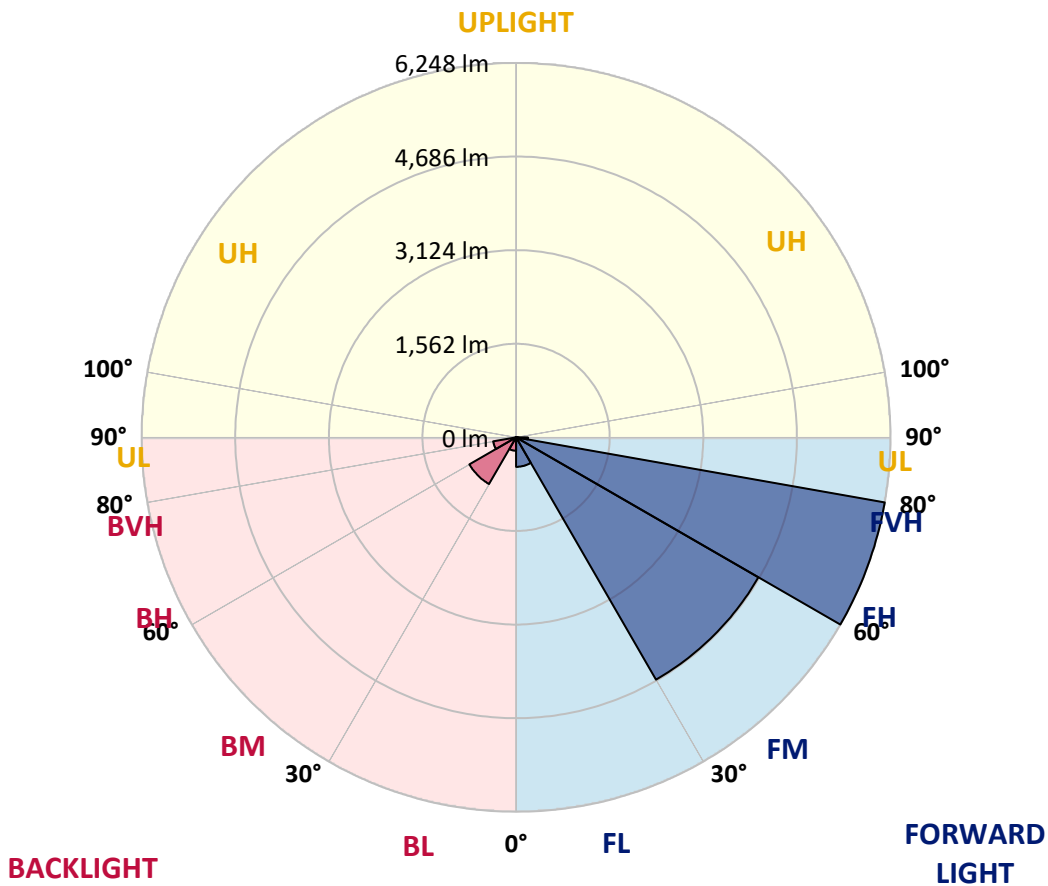
CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.8	3.7			
FM (30°-60°)	4669.1	35.6			
FH (60°-80°)	6247.7	47.6			G3/7500
FVH (80°-90°)	198.3	1.5			G2/225
BL (0°-30°)	224.0	1.7	B1/500		
BM (30°-60°)	899.7	6.9	B1/1000		
BH (60°-80°)	388.0	3.0	B1/500		G1/500
BVH (80°-90°)	14.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type III Short





REPORT NUMBER: P635731

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1
2.5°	673.3	671.8	668.6	659.3	651.5	646.9	637.5	637.5	636.0	632.9	626.7
5°	651.5	645.3	639.1	622.0	603.3	592.4	580.0	578.5	578.5	575.3	573.8
7.5°	617.3	611.1	603.3	575.3	558.2	547.4	536.5	534.9	530.2	530.2	530.2
10°	598.7	589.3	576.9	545.8	528.7	519.4	511.6	506.9	503.8	499.1	497.6
12.5°	639.1	622.0	595.6	539.6	516.3	503.8	494.5	491.4	482.0	475.8	471.2
15°	765.0	723.1	670.2	553.6	511.6	492.9	480.5	474.3	466.5	455.6	447.8
17.5°	971.9	911.2	822.6	598.7	506.9	483.6	468.0	457.2	446.3	433.8	424.5
20°	1258.0	1167.8	1062.1	681.1	506.9	472.7	454.1	440.1	424.5	410.5	399.6
22.5°	1621.8	1531.7	1351.3	821.0	513.1	458.7	436.9	418.3	399.6	387.2	374.7
25°	2029.2	1901.7	1733.8	990.5	530.2	440.1	416.7	398.1	381.0	365.4	351.4
27.5°	2483.3	2344.9	2121.0	1231.5	567.6	421.4	395.0	377.9	362.3	346.8	328.1
30°	2901.6	2819.2	2590.6	1520.8	628.2	409.0	377.9	362.3	346.8	326.5	309.4
32.5°	3403.8	3257.7	3069.5	1850.4	709.1	396.5	363.9	342.1	329.7	311.0	292.3
35°	3909.2	3784.8	3537.6	2256.3	799.3	384.1	346.8	326.5	315.7	293.9	273.7
37.5°	4430.1	4402.1	4158.0	2705.7	887.9	370.1	326.5	314.1	303.2	278.3	255.0
40°	4943.3	4892.0	4666.5	3218.8	942.3	354.5	309.4	301.7	289.2	261.2	234.8
42.5°	5434.7	5395.8	5176.5	3710.2	934.5	340.5	292.3	283.0	273.7	245.7	213.0
45°	6038.0	5974.2	5697.4	4074.0	855.2	356.1	275.2	259.7	258.1	231.7	191.3
47.5°	7166.9	6957.0	6487.4	4353.9	775.9	396.5	256.6	237.9	248.8	217.7	169.5
50°	8748.3	8501.1	7821.5	4571.6	774.4	449.4	253.5	217.7	241.0	206.8	150.8
52.5°	10337.5	9902.1	9076.4	4688.3	831.9	488.3	281.5	197.5	231.7	195.9	136.8
55°	11859.8	10956.4	9602.0	4302.6	877.0	530.2	332.8	186.6	214.6	183.5	129.1
57.5°	13310.6	11803.8	9830.6	3403.8	1027.8	547.4	363.9	191.3	189.7	167.9	122.8
60°	13509.7	11763.4	9368.7	1979.5	1133.6	517.8	351.4	213.0	166.4	149.3	112.0
62.5°	12757.0	10981.3	8316.0	1234.7	1052.7	506.9	312.6	242.6	150.8	132.2	98.0
65°	11614.1	9754.4	6933.7	796.1	797.7	562.9	273.7	237.9	141.5	116.6	84.0
67.5°	9827.5	8163.6	5462.6	533.4	450.9	480.5	239.5	163.3	138.4	99.5	65.3
70°	7173.1	5811.0	3556.2	356.1	269.0	384.1	200.6	116.6	130.6	82.4	46.6
72.5°	5243.4	3904.6	1985.7	233.2	152.4	223.9	147.7	84.0	101.1	60.6	32.7
75°	3773.9	2687.0	1133.6	149.3	101.1	122.8	96.4	57.5	65.3	48.2	29.5
77.5°	1816.2	1309.3	514.7	82.4	68.4	62.2	51.3	35.8	40.4	43.5	26.4
80°	68.4	51.3	38.9	40.4	43.5	28.0	23.3	18.7	23.3	29.5	14.0
82.5°	0.0	0.0	0.0	4.7	6.2	7.8	9.3	7.8	9.3	10.9	1.6
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: P635731

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1
2.5°	631.3	628.2	631.3	634.4	637.5	640.7	636.0	639.1	642.2	634.4	637.5
5°	581.6	580.0	589.3	594.0	600.2	603.3	600.2	600.2	598.7	589.3	589.3
7.5°	538.0	539.6	547.4	558.2	566.0	570.7	567.6	566.0	561.3	547.4	547.4
10°	505.4	505.4	517.8	527.1	538.0	542.7	539.6	534.9	530.2	516.3	514.7
12.5°	478.9	478.9	488.3	503.8	516.3	522.5	520.9	514.7	506.9	492.9	491.4
15°	454.1	452.5	466.5	480.5	497.6	505.4	502.3	497.6	483.6	471.2	468.0
17.5°	429.2	427.6	440.1	458.7	477.4	488.3	486.7	475.8	463.4	447.8	444.7
20°	404.3	401.2	416.7	435.4	454.1	464.9	461.8	452.5	436.9	421.4	418.3
22.5°	379.4	377.9	388.7	404.3	421.4	430.7	429.2	421.4	405.8	391.9	391.9
25°	351.4	351.4	359.2	370.1	382.5	387.2	388.7	385.6	376.3	368.5	368.5
27.5°	328.1	323.4	326.5	329.7	335.9	343.7	343.7	346.8	348.3	345.2	346.8
30°	309.4	301.7	297.0	290.8	287.7	290.8	293.9	304.8	315.7	321.9	325.0
32.5°	287.7	278.3	265.9	248.8	237.9	234.8	244.1	264.3	284.6	298.6	306.3
35°	265.9	253.5	230.1	205.3	191.3	186.6	197.5	220.8	250.4	275.2	286.1
37.5°	244.1	227.0	194.4	164.8	149.3	146.2	157.1	181.9	216.1	250.4	264.3
40°	219.3	199.0	160.2	129.1	116.6	113.5	122.8	147.7	183.5	222.4	244.1
42.5°	194.4	169.5	129.1	102.6	90.2	90.2	102.6	121.3	153.9	195.9	222.4
45°	169.5	143.1	105.7	82.4	74.6	76.2	84.0	102.6	129.1	172.6	197.5
47.5°	146.2	122.8	87.1	68.4	62.2	63.8	73.1	88.6	110.4	149.3	175.7
50°	126.0	104.2	76.2	57.5	52.9	56.0	65.3	79.3	98.0	132.2	153.9
52.5°	113.5	93.3	70.0	49.8	46.6	49.8	59.1	71.5	88.6	116.6	138.4
55°	107.3	91.7	70.0	45.1	40.4	43.5	52.9	65.3	79.3	105.7	124.4
57.5°	105.7	94.9	74.6	40.4	34.2	37.3	46.6	59.1	73.1	96.4	112.0
60°	99.5	90.2	73.1	32.7	26.4	31.1	38.9	51.3	66.9	90.2	104.2
62.5°	87.1	79.3	63.8	26.4	20.2	23.3	32.7	45.1	60.6	82.4	98.0
65°	71.5	63.8	49.8	17.1	12.4	15.5	24.9	38.9	52.9	74.6	88.6
67.5°	52.9	45.1	34.2	10.9	6.2	10.9	20.2	32.7	48.2	66.9	80.9
70°	32.7	26.4	18.7	6.2	4.7	9.3	18.7	31.1	43.5	62.2	76.2
72.5°	18.7	12.4	7.8	3.1	4.7	9.3	18.7	31.1	42.0	59.1	71.5
75°	14.0	7.8	3.1	1.6	3.1	7.8	17.1	28.0	40.4	56.0	68.4
77.5°	9.3	4.7	1.6	0.0	1.6	6.2	15.5	26.4	37.3	52.9	65.3
80°	1.6	0.0	0.0	0.0	0.0	4.7	14.0	23.3	34.2	46.6	57.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	10.9	20.2	29.5	38.9	46.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.2	15.5	23.3	29.5	32.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	15.5	18.7	21.8
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: P635731  
 CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1
2.5°	636.0	645.3	645.3	651.5	659.3	673.3	681.1	692.0	699.7	707.5	710.6
5°	587.8	589.3	590.9	594.0	603.3	618.9	632.9	650.0	670.2	685.7	695.1
7.5°	547.4	547.4	547.4	552.0	561.3	572.2	586.2	609.6	632.9	651.5	667.1
10°	513.1	517.8	519.4	527.1	538.0	552.0	567.6	587.8	614.2	639.1	667.1
12.5°	491.4	496.0	503.8	511.6	522.5	538.0	555.1	581.6	636.0	687.3	746.4
15°	471.2	477.4	486.7	497.6	510.0	527.1	545.8	600.2	727.7	824.1	917.4
17.5°	449.4	458.7	471.2	482.0	497.6	516.3	539.6	645.3	895.7	1055.8	1214.4
20°	421.4	433.8	447.8	464.9	483.6	505.4	539.6	738.6	1138.2	1368.4	1578.3
22.5°	395.0	407.4	424.5	446.3	468.0	489.8	547.4	880.1	1450.8	1741.6	2007.5
25°	373.2	388.7	405.8	424.5	449.4	474.3	566.0	1079.2	1827.1	2201.8	2390.0
27.5°	353.0	371.6	388.7	404.3	426.1	454.1	608.0	1345.1	2271.8	2652.8	2800.5
30°	332.8	354.5	371.6	387.2	409.0	438.5	671.8	1684.0	2766.3	3136.4	3151.9
32.5°	315.7	335.9	356.1	371.6	391.9	426.1	760.4	2080.6	3273.2	3630.9	3484.7
35°	297.0	320.3	339.0	356.1	377.9	415.2	863.0	2508.2	3784.8	4084.9	3815.9
37.5°	278.3	304.8	328.1	340.5	362.3	404.3	937.7	2954.5	4307.3	4528.1	4106.7
40°	261.2	290.8	317.2	329.7	340.5	390.3	948.5	3411.6	4837.5	4965.0	4380.4
42.5°	242.6	275.2	298.6	315.7	325.0	381.0	883.2	3797.3	5282.3	5400.4	4738.0
45°	222.4	261.2	279.9	292.3	311.0	387.2	799.3	4095.8	5790.7	5994.4	5327.4
47.5°	202.1	245.7	261.2	270.6	295.4	424.5	768.2	4294.9	6628.9	7051.8	6321.0
50°	183.5	231.7	248.8	247.2	292.3	472.7	802.4	4445.7	7888.4	8386.0	7683.1
52.5°	163.3	216.1	236.4	230.1	315.7	510.0	870.8	4565.4	8857.2	9950.3	9513.4
55°	146.2	199.0	217.7	216.1	359.2	538.0	923.7	3934.1	9258.3	11404.2	11575.3
57.5°	133.7	180.4	195.9	222.4	387.2	538.0	1068.3	2792.7	9266.1	12474.0	14312.0
60°	122.8	163.3	174.2	244.1	376.3	510.0	1057.4	1710.5	8539.9	12401.0	15767.5
62.5°	113.5	147.7	161.7	250.4	332.8	505.4	954.8	1060.5	7283.5	11457.1	14711.7
65°	105.7	135.3	155.5	230.1	301.7	541.1	643.8	761.9	5907.4	10381.0	13500.3
67.5°	98.0	124.4	164.8	188.2	273.7	483.6	464.9	541.1	4636.9	9200.8	12388.5
70°	91.7	118.2	174.2	153.9	239.5	377.9	329.7	410.5	3550.0	7676.9	10822.7
72.5°	87.1	110.4	146.2	121.3	194.4	292.3	230.1	298.6	2320.0	5992.9	8822.9
75°	82.4	101.1	107.3	98.0	144.6	191.3	174.2	200.6	1382.4	4380.4	6694.2
77.5°	80.9	94.9	87.1	79.3	98.0	113.5	132.2	135.3	674.9	2191.0	3508.0
80°	71.5	85.5	74.6	65.3	66.9	74.6	98.0	90.2	153.9	556.7	936.1
82.5°	56.0	66.9	62.2	54.4	54.4	54.4	65.3	60.6	49.8	250.4	423.0
85°	38.9	46.6	46.6	43.5	42.0	42.0	40.4	38.9	14.0	15.5	23.3
87.5°	26.4	32.7	34.2	32.7	28.0	24.9	21.8	18.7	6.2	0.0	3.1
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: P635731

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1	681.1
2.5°	721.5	726.2	726.2	720.0	715.3	702.9	690.4	678.0	674.9	673.3
5°	721.5	740.2	749.5	747.9	737.1	716.8	690.4	662.4	654.6	651.5
7.5°	710.6	746.4	774.4	779.0	758.8	723.1	674.9	632.9	622.0	617.3
10°	735.5	805.5	861.5	869.2	845.9	775.9	698.2	626.7	609.6	598.7
12.5°	869.2	984.3	1052.7	1085.4	1040.3	951.6	822.6	695.1	656.2	639.1
15°	1139.8	1303.1	1433.7	1433.7	1391.7	1234.7	1071.4	864.6	811.7	765.0
17.5°	1486.6	1691.8	1806.9	1794.4	1730.7	1620.3	1424.4	1127.4	1020.1	971.9
20°	1881.5	2004.4	2030.8	2023.0	1995.0	1931.3	1796.0	1477.2	1332.6	1258.0
22.5°	2223.6	2191.0	2152.1	2121.0	2113.2	2131.9	2113.2	1867.5	1754.0	1621.8
25°	2455.3	2270.3	2153.6	2097.7	2124.1	2231.4	2348.0	2256.3	2166.1	2029.2
27.5°	2581.3	2260.9	2093.0	2035.5	2080.6	2232.9	2486.4	2641.9	2548.6	2483.3
30°	2649.7	2253.2	2054.1	1998.1	2066.6	2257.8	2582.8	3002.7	3005.8	2901.6
32.5°	2747.6	2302.9	2061.9	2010.6	2102.3	2332.5	2704.1	3369.6	3459.8	3403.8
35°	2858.1	2379.1	2097.7	2051.0	2164.5	2432.0	2839.4	3739.7	3927.9	3909.2
37.5°	2962.2	2464.6	2181.6	2136.5	2259.4	2517.5	2970.0	4103.6	4364.8	4430.1
40°	3071.1	2584.4	2439.8	2483.3	2551.7	2652.8	3086.6	4419.2	4845.3	4943.3
42.5°	3327.7	2999.6	3220.4	3302.8	3312.1	3103.7	3341.6	4823.5	5318.0	5434.7
45°	3899.9	3738.2	4371.0	4487.7	4427.0	3795.7	3955.9	5406.7	5978.9	6038.0
47.5°	4623.0	4697.6	5946.2	6349.0	5985.1	4612.1	4700.7	6633.5	7188.7	7166.9
50°	5465.8	5818.7	7734.5	8684.6	7813.8	5672.6	5559.0	8141.9	8815.2	8748.3
52.5°	6462.5	7121.8	9883.4	11233.2	10409.0	6865.2	6818.6	10140.0	10550.5	10337.5
55°	7717.4	8379.8	12355.9	14242.1	13069.6	8320.7	8480.9	12456.9	12536.2	11859.8
57.5°	9589.6	10020.3	15269.9	17692.5	15846.8	10298.6	11460.2	15540.5	14591.9	13310.6
60°	12988.7	12130.4	18086.0	21222.3	18801.2	13080.5	15389.6	17367.6	15276.1	13509.7
62.5°	14172.1	13921.7	19849.3	22715.1	20788.5	15364.7	16411.2	16331.9	14389.8	12757.0
65°	12379.2	13475.4	19533.6	21926.8	20533.5	14988.4	14727.2	15189.0	13391.5	11614.1
67.5°	11435.3	12427.4	18337.9	19751.3	19120.0	13711.8	13127.1	13001.2	11242.5	9827.5
70°	10483.7	11466.4	16604.1	16779.8	16485.9	11631.2	10863.1	10018.7	8403.1	7173.1
72.5°	9339.2	9880.3	14198.5	13365.0	13032.3	9135.5	8973.8	7544.8	6299.2	5243.4
75°	8145.0	7987.9	11069.9	9172.8	9421.6	7107.8	7579.0	5540.4	4615.2	3773.9
77.5°	5924.5	5807.8	7414.1	5571.5	6170.2	4655.6	4182.9	2211.2	2105.4	1816.2
80°	3305.9	3985.4	4004.1	3122.4	3895.2	3035.3	1046.5	73.1	46.6	68.4
82.5°	1536.3	1713.6	2170.8	1447.7	2222.1	1503.7	216.1	0.0	0.0	0.0
85°	497.6	727.7	609.6	213.0	538.0	508.5	35.8	0.0	0.0	0.0
87.5°	29.5	60.6	15.5	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)