

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: P636336

Luminaire Tested: GWS-SA3F-750-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636336  
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-SA3F-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

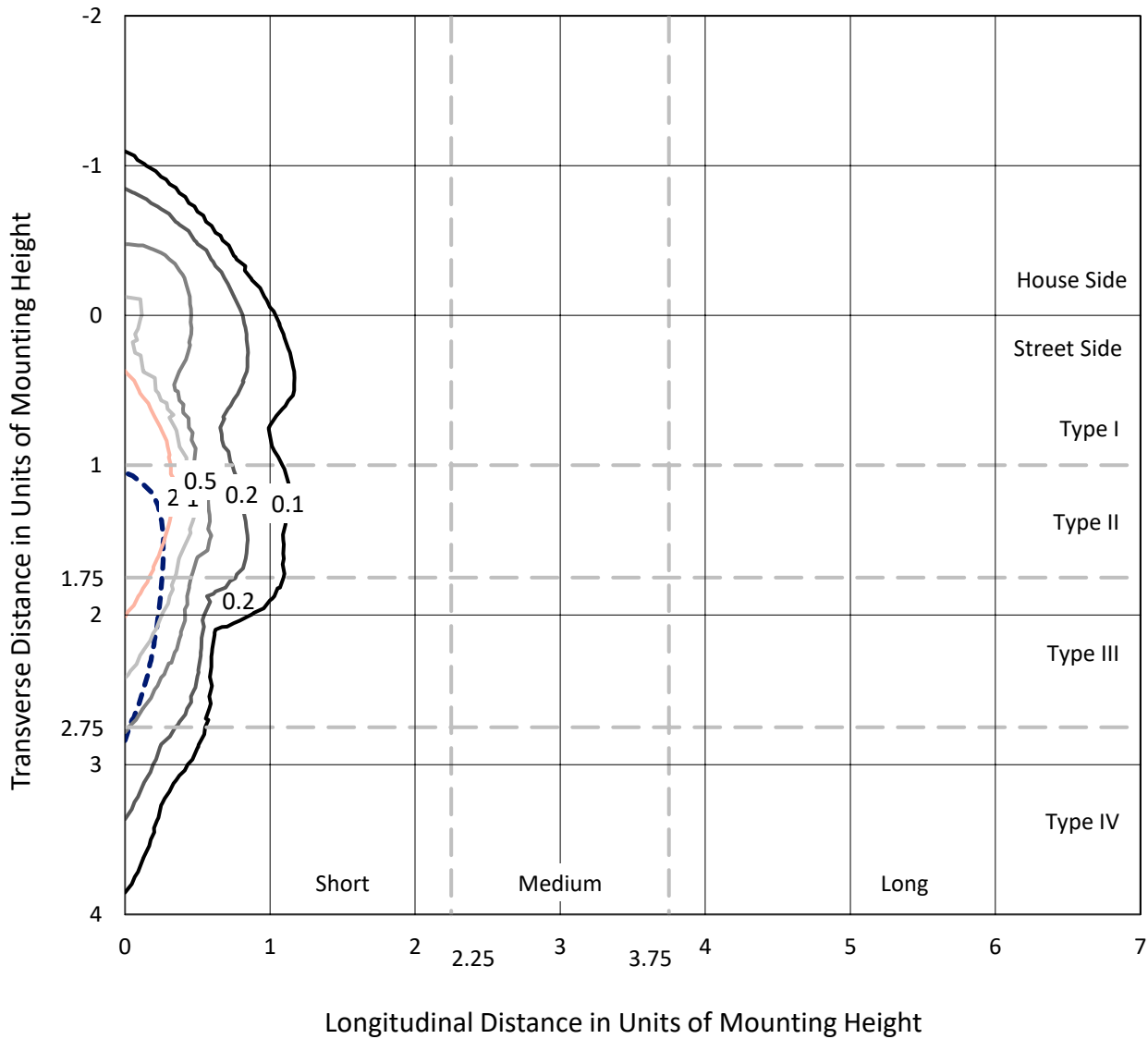
Lumens per Lamp: N/A  
Luminaire Lumens: 15143.3 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P636336  
 CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

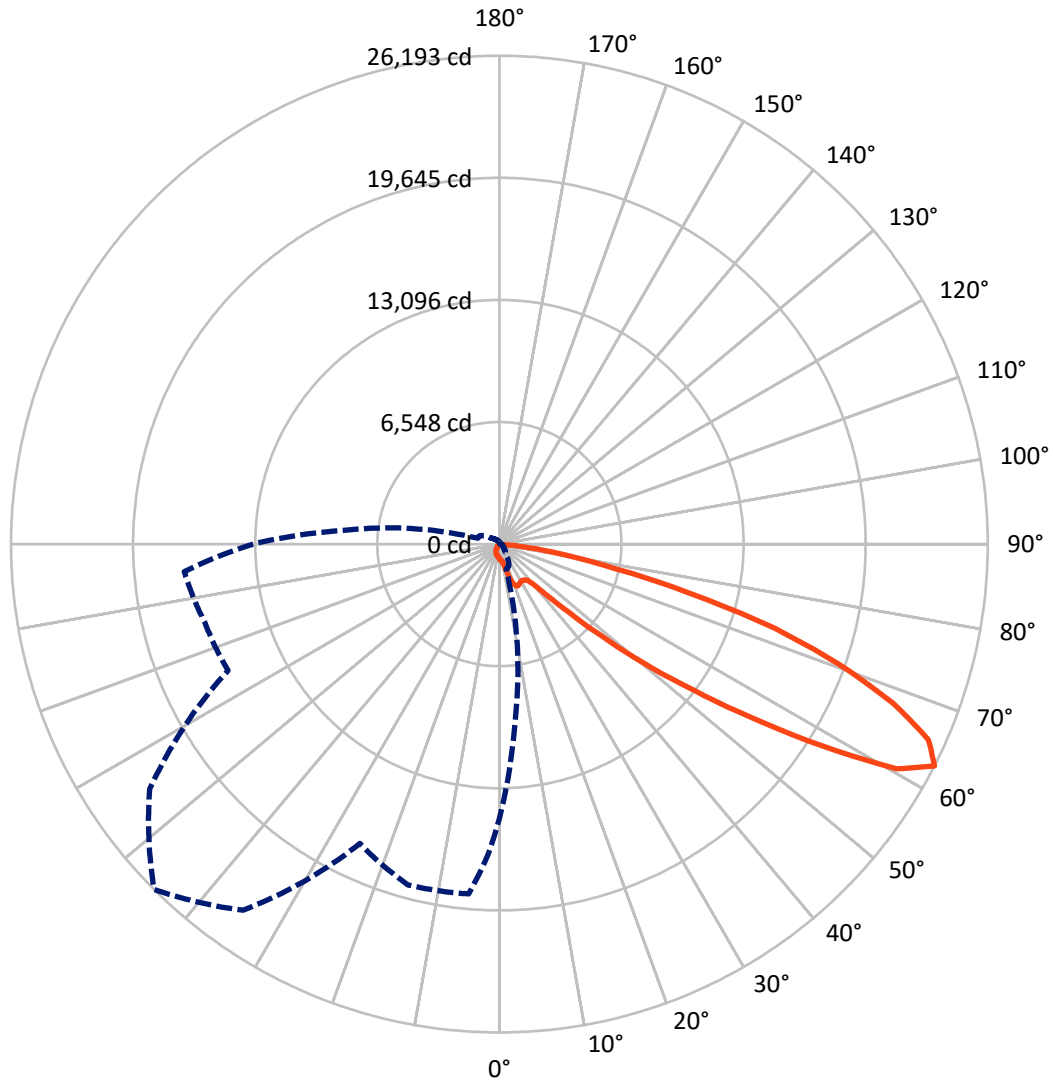
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P636336  
CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636336

CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1759.5	0.0	1759.5
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	13383.8	0.0	13383.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	15143.3	0.0	15143.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.8	0.4
10°-20°	232.4	1.5
20°-30°	525.1	3.5
30°-40°	904.7	6.0
40°-50°	1706.5	11.3
50°-60°	3810.2	25.2
60°-70°	5096.1	33.7
70°-80°	2555.5	16.9
80°-90°	244.9	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°	15143.3	100.0
0°-180°	15143.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636336

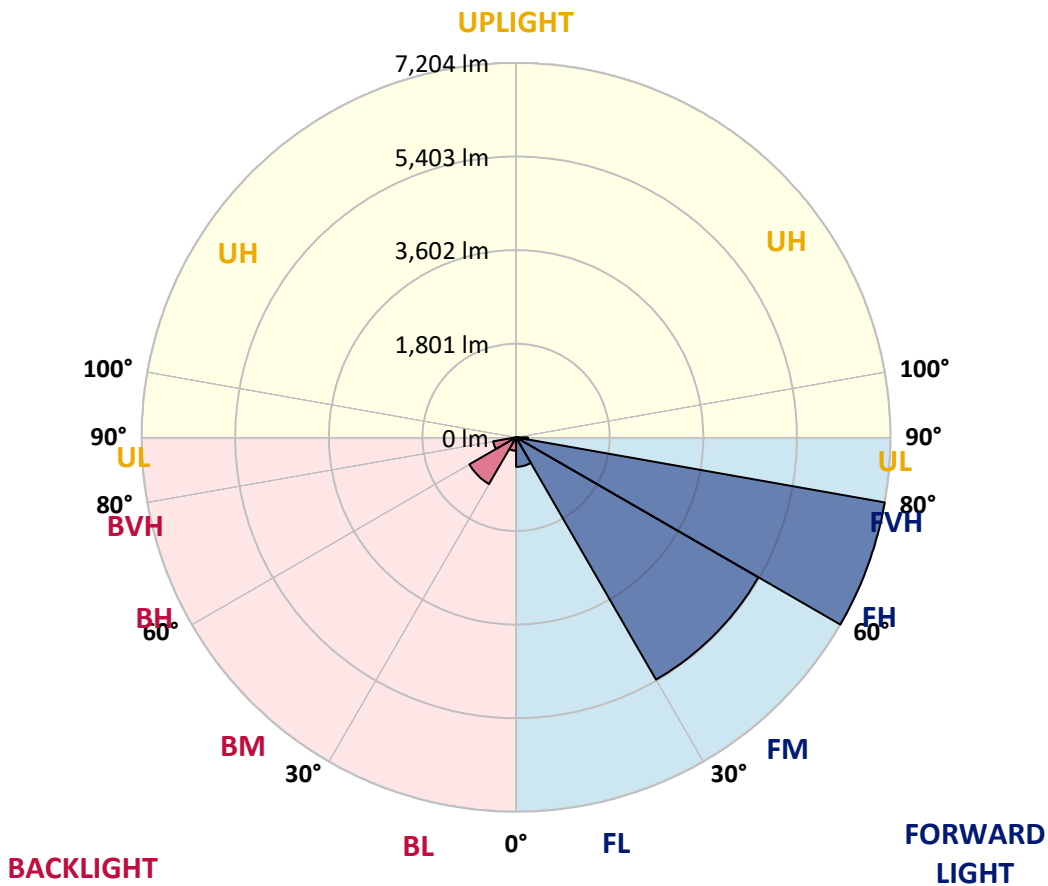
CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.1	3.7			
FM (30°-60°)	5383.9	35.6			
FH (60°-80°)	7204.2	47.6			G3/7500
FVH (80°-90°)	228.7	1.5			G3/500
BL (0°-30°)	258.3	1.7	B1/500		
BM (30°-60°)	1037.5	6.9	B2/2500		
BH (60°-80°)	447.4	3.0	B1/500		G1/500
BVH (80°-90°)	16.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

**BUG Rating: B2-U0-G3**

Type III Short





REPORT NUMBER: P636336

CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4
2.5°	776.4	774.6	771.0	760.3	751.3	745.9	735.1	735.1	733.4	729.8	722.6
5°	751.3	744.1	736.9	717.2	695.7	683.1	668.8	667.0	667.0	663.4	661.6
7.5°	711.8	704.7	695.7	663.4	643.7	631.2	618.6	616.8	611.4	611.4	611.4
10°	690.3	679.6	665.2	629.4	609.6	598.9	589.9	584.5	580.9	575.6	573.8
12.5°	736.9	717.2	686.7	622.2	595.3	580.9	570.2	566.6	555.8	548.7	543.3
15°	882.2	833.8	772.8	638.3	589.9	568.4	554.1	546.9	537.9	525.4	516.4
17.5°	1120.7	1050.7	948.5	690.3	584.5	557.6	539.7	527.2	514.6	500.3	489.5
20°	1450.6	1346.6	1224.6	785.4	584.5	545.1	523.6	507.4	489.5	473.4	460.8
22.5°	1870.1	1766.1	1558.2	946.7	591.7	528.9	503.8	482.3	460.8	446.5	432.1
25°	2339.9	2192.9	1999.2	1142.2	611.4	507.4	480.5	459.0	439.3	421.4	405.2
27.5°	2863.5	2703.9	2445.7	1420.1	654.5	485.9	455.4	435.7	417.8	399.8	378.3
30°	3345.8	3250.8	2987.2	1753.6	724.4	471.6	435.7	417.8	399.8	376.5	356.8
32.5°	3925.0	3756.4	3539.5	2133.7	817.6	457.2	419.6	394.5	380.1	358.6	337.1
35°	4507.7	4364.3	4079.2	2601.7	921.6	442.9	399.8	376.5	364.0	338.9	315.6
37.5°	5108.4	5076.1	4794.6	3119.9	1023.8	426.7	376.5	362.2	349.6	321.0	294.1
40°	5700.1	5640.9	5380.9	3711.6	1086.6	408.8	356.8	347.9	333.5	301.2	270.7
42.5°	6266.7	6221.9	5969.0	4278.2	1077.6	392.7	337.1	326.3	315.6	283.3	245.6
45°	6962.4	6888.9	6569.7	4697.8	986.2	410.6	317.4	299.4	297.6	267.2	220.5
47.5°	8264.1	8022.1	7480.6	5020.5	894.7	457.2	295.9	274.3	286.9	251.0	195.4
50°	10087.7	9802.6	9019.0	5271.5	892.9	518.2	292.3	251.0	277.9	238.5	173.9
52.5°	11920.2	11418.1	10466.0	5406.0	959.3	563.0	324.5	227.7	267.2	225.9	157.8
55°	13675.5	12633.8	11072.0	4961.4	1011.3	611.4	383.7	215.2	247.4	211.6	148.8
57.5°	15348.5	13611.0	11335.6	3925.0	1185.2	631.2	419.6	220.5	218.8	193.6	141.7
60°	15578.0	13564.4	10803.1	2282.5	1307.1	597.1	405.2	245.6	191.9	172.1	129.1
62.5°	14710.1	12662.5	9589.2	1423.7	1213.9	584.5	360.4	279.7	173.9	152.4	113.0
65°	13392.2	11247.8	7995.2	918.0	919.8	649.1	315.6	274.3	163.2	134.5	96.8
67.5°	11332.0	9413.5	6299.0	615.0	520.0	554.1	276.1	188.3	159.6	114.8	75.3
70°	8271.3	6700.6	4100.7	410.6	310.2	442.9	231.3	134.5	150.6	95.0	53.8
72.5°	6046.1	4502.3	2289.7	269.0	175.7	258.2	170.3	96.8	116.5	69.9	37.7
75°	4351.7	3098.4	1307.1	172.1	116.5	141.7	111.2	66.3	75.3	55.6	34.1
77.5°	2094.3	1509.7	593.5	95.0	78.9	71.7	59.2	41.2	46.6	50.2	30.5
80°	78.9	59.2	44.8	46.6	50.2	32.3	26.9	21.5	26.9	34.1	16.1
82.5°	0.0	0.0	0.0	5.4	7.2	9.0	10.8	9.0	10.8	12.6	1.8
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: P636336  
 CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4
2.5°	728.0	724.4	728.0	731.6	735.1	738.7	733.4	736.9	740.5	731.6	735.1
5°	670.6	668.8	679.6	684.9	692.1	695.7	692.1	692.1	690.3	679.6	679.6
7.5°	620.4	622.2	631.2	643.7	652.7	658.0	654.5	652.7	647.3	631.2	631.2
10°	582.7	582.7	597.1	607.8	620.4	625.8	622.2	616.8	611.4	595.3	593.5
12.5°	552.3	552.3	563.0	580.9	595.3	602.5	600.7	593.5	584.5	568.4	566.6
15°	523.6	521.8	537.9	554.1	573.8	582.7	579.2	573.8	557.6	543.3	539.7
17.5°	494.9	493.1	507.4	528.9	550.5	563.0	561.2	548.7	534.3	516.4	512.8
20°	466.2	462.6	480.5	502.1	523.6	536.1	532.5	521.8	503.8	485.9	482.3
22.5°	437.5	435.7	448.3	466.2	485.9	496.7	494.9	485.9	468.0	451.8	451.8
25°	405.2	405.2	414.2	426.7	441.1	446.5	448.3	444.7	433.9	425.0	425.0
27.5°	378.3	373.0	376.5	380.1	387.3	396.3	396.3	399.8	401.6	398.1	399.8
30°	356.8	347.9	342.5	335.3	331.7	335.3	338.9	351.4	364.0	371.2	374.7
32.5°	331.7	321.0	306.6	286.9	274.3	270.7	281.5	304.8	328.1	344.3	353.2
35°	306.6	292.3	265.4	236.7	220.5	215.2	227.7	254.6	288.7	317.4	329.9
37.5°	281.5	261.8	224.1	190.1	172.1	168.5	181.1	209.8	249.2	288.7	304.8
40°	252.8	229.5	184.7	148.8	134.5	130.9	141.7	170.3	211.6	256.4	281.5
42.5°	224.1	195.4	148.8	118.3	104.0	104.0	118.3	139.9	177.5	225.9	256.4
45°	195.4	165.0	121.9	95.0	86.1	87.9	96.8	118.3	148.8	199.0	227.7
47.5°	168.5	141.7	100.4	78.9	71.7	73.5	84.3	102.2	127.3	172.1	202.6
50°	145.2	120.1	87.9	66.3	61.0	64.5	75.3	91.4	113.0	152.4	177.5
52.5°	130.9	107.6	80.7	57.4	53.8	57.4	68.1	82.5	102.2	134.5	159.6
55°	123.7	105.8	80.7	52.0	46.6	50.2	61.0	75.3	91.4	121.9	143.4
57.5°	121.9	109.4	86.1	46.6	39.4	43.0	53.8	68.1	84.3	111.2	129.1
60°	114.8	104.0	84.3	37.7	30.5	35.9	44.8	59.2	77.1	104.0	120.1
62.5°	100.4	91.4	73.5	30.5	23.3	26.9	37.7	52.0	69.9	95.0	113.0
65°	82.5	73.5	57.4	19.7	14.3	17.9	28.7	44.8	61.0	86.1	102.2
67.5°	61.0	52.0	39.4	12.6	7.2	12.6	23.3	37.7	55.6	77.1	93.2
70°	37.7	30.5	21.5	7.2	5.4	10.8	21.5	35.9	50.2	71.7	87.9
72.5°	21.5	14.3	9.0	3.6	5.4	10.8	21.5	35.9	48.4	68.1	82.5
75°	16.1	9.0	3.6	1.8	3.6	9.0	19.7	32.3	46.6	64.5	78.9
77.5°	10.8	5.4	1.8	0.0	1.8	7.2	17.9	30.5	43.0	61.0	75.3
80°	1.8	0.0	0.0	0.0	0.0	5.4	16.1	26.9	39.4	53.8	66.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.8	12.6	23.3	34.1	44.8	53.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.2	17.9	26.9	34.1	37.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	17.9	21.5	25.1
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: P636336

CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4
2.5°	733.4	744.1	744.1	751.3	760.3	776.4	785.4	797.9	806.9	815.8	819.4
5°	677.8	679.6	681.4	684.9	695.7	713.6	729.8	749.5	772.8	790.7	801.5
7.5°	631.2	631.2	631.2	636.5	647.3	659.8	676.0	702.9	729.8	751.3	769.2
10°	591.7	597.1	598.9	607.8	620.4	636.5	654.5	677.8	708.3	736.9	769.2
12.5°	566.6	572.0	580.9	589.9	602.5	620.4	640.1	670.6	733.4	792.5	860.7
15°	543.3	550.5	561.2	573.8	588.1	607.8	629.4	692.1	839.1	950.3	1057.9
17.5°	518.2	528.9	543.3	555.8	573.8	595.3	622.2	744.1	1032.8	1217.5	1400.4
20°	485.9	500.3	516.4	536.1	557.6	582.7	622.2	851.7	1312.5	1577.9	1819.9
22.5°	455.4	469.8	489.5	514.6	539.7	564.8	631.2	1014.9	1672.9	2008.2	2314.8
25°	430.3	448.3	468.0	489.5	518.2	546.9	652.7	1244.4	2106.8	2539.0	2755.9
27.5°	407.0	428.5	448.3	466.2	491.3	523.6	701.1	1551.0	2619.6	3058.9	3229.3
30°	383.7	408.8	428.5	446.5	471.6	505.6	774.6	1941.9	3189.8	3616.6	3634.5
32.5°	364.0	387.3	410.6	428.5	451.8	491.3	876.8	2399.1	3774.4	4186.8	4018.2
35°	342.5	369.4	390.9	410.6	435.7	478.7	995.1	2892.2	4364.3	4710.3	4400.1
37.5°	321.0	351.4	378.3	392.7	417.8	466.2	1081.2	3406.8	4966.7	5221.3	4735.4
40°	301.2	335.3	365.8	380.1	392.7	450.1	1093.8	3933.9	5578.2	5725.2	5051.0
42.5°	279.7	317.4	344.3	364.0	374.7	439.3	1018.4	4378.6	6091.0	6227.2	5463.4
45°	256.4	301.2	322.7	337.1	358.6	446.5	921.6	4722.9	6677.3	6912.2	6143.0
47.5°	233.1	283.3	301.2	312.0	340.7	489.5	885.8	4952.4	7643.7	8131.5	7288.7
50°	211.6	267.2	286.9	285.1	337.1	545.1	925.2	5126.3	9096.1	9669.9	8859.4
52.5°	188.3	249.2	272.5	265.4	364.0	588.1	1004.1	5264.4	10213.2	11473.7	10969.8
55°	168.5	229.5	251.0	249.2	414.2	620.4	1065.1	4536.4	10675.8	13150.2	13347.4
57.5°	154.2	208.0	225.9	256.4	446.5	620.4	1231.8	3220.3	10684.7	14383.8	16503.2
60°	141.7	188.3	200.8	281.5	433.9	588.1	1219.3	1972.3	9847.4	14299.5	18181.5
62.5°	130.9	170.3	186.5	288.7	383.7	582.7	1100.9	1222.9	8398.6	13211.1	16964.0
65°	121.9	156.0	179.3	265.4	347.9	624.0	742.3	878.6	6811.8	11970.4	15567.2
67.5°	113.0	143.4	190.1	217.0	315.6	557.6	536.1	624.0	5346.9	10609.4	14285.2
70°	105.8	136.3	200.8	177.5	276.1	435.7	380.1	473.4	4093.5	8852.3	12479.6
72.5°	100.4	127.3	168.5	139.9	224.1	337.1	265.4	344.3	2675.2	6910.4	10173.7
75°	95.0	116.5	123.7	113.0	166.8	220.5	200.8	231.3	1594.0	5051.0	7719.1
77.5°	93.2	109.4	100.4	91.4	113.0	130.9	152.4	156.0	778.2	2526.4	4045.1
80°	82.5	98.6	86.1	75.3	77.1	86.1	113.0	104.0	177.5	641.9	1079.4
82.5°	64.5	77.1	71.7	62.8	62.8	62.8	75.3	69.9	57.4	288.7	487.7
85°	44.8	53.8	53.8	50.2	48.4	48.4	46.6	44.8	16.1	17.9	26.9
87.5°	30.5	37.7	39.4	37.7	32.3	28.7	25.1	21.5	7.2	0.0	3.6
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: P636336

CATALOG NUMBER: GWS-SA3F-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4
2.5°	832.0	837.4	837.4	830.2	824.8	810.5	796.1	781.8	778.2	776.4
5°	832.0	853.5	864.2	862.5	849.9	826.6	796.1	763.8	754.9	751.3
7.5°	819.4	860.7	892.9	898.3	875.0	833.8	778.2	729.8	717.2	711.8
10°	848.1	928.8	993.3	1002.3	975.4	894.7	805.1	722.6	702.9	690.3
12.5°	1002.3	1135.0	1213.9	1251.5	1199.5	1097.3	948.5	801.5	756.7	736.9
15°	1314.3	1502.6	1653.2	1653.2	1604.8	1423.7	1235.4	996.9	936.0	882.2
17.5°	1714.2	1950.8	2083.5	2069.2	1995.7	1868.4	1642.4	1300.0	1176.2	1120.7
20°	2169.6	2311.2	2341.7	2332.8	2300.5	2227.0	2071.0	1703.4	1536.6	1450.6
22.5°	2564.1	2526.4	2481.6	2445.7	2436.7	2458.3	2436.7	2153.4	2022.6	1870.1
25°	2831.2	2617.8	2483.4	2418.8	2449.3	2573.0	2707.5	2601.7	2497.7	2339.9
27.5°	2976.5	2607.1	2413.4	2347.1	2399.1	2574.8	2867.1	3046.4	2938.8	2863.5
30°	3055.3	2598.1	2368.6	2304.1	2383.0	2603.5	2978.2	3462.4	3466.0	3345.8
32.5°	3168.3	2655.5	2377.6	2318.4	2424.2	2689.6	3118.1	3885.5	3989.5	3925.0
35°	3295.6	2743.4	2418.8	2365.0	2495.9	2804.3	3274.1	4312.3	4529.2	4507.7
37.5°	3415.7	2842.0	2515.6	2463.6	2605.3	2902.9	3424.7	4731.8	5033.1	5108.4
40°	3541.3	2980.0	2813.3	2863.5	2942.4	3058.9	3559.2	5095.8	5587.1	5700.1
42.5°	3837.1	3458.8	3713.4	3808.4	3819.2	3578.9	3853.3	5562.0	6132.2	6266.7
45°	4497.0	4310.5	5040.2	5174.7	5104.8	4376.8	4561.5	6234.4	6894.3	6962.4
47.5°	5330.7	5416.8	6856.6	7321.0	6901.4	5318.2	5420.4	7649.1	8289.2	8264.1
50°	6302.5	6709.6	8918.6	10014.2	9010.0	6541.0	6410.1	9388.4	10164.8	10087.7
52.5°	7451.9	8212.1	11396.6	12953.0	12002.6	7916.3	7862.5	11692.4	12165.8	11920.2
55°	8898.9	9662.7	14247.5	16422.5	15070.5	9594.6	9779.3	14364.1	14455.5	13675.5
57.5°	11057.7	11554.4	17607.7	20401.3	18272.9	11875.3	13214.7	17919.7	16825.9	15348.5
60°	14977.3	13987.5	20854.9	24471.5	21679.7	15083.1	17745.8	20026.5	17614.9	15578.0
62.5°	16341.8	16053.1	22888.2	26192.8	23971.2	17717.1	18923.8	18832.3	16592.8	14710.1
65°	14274.4	15538.5	22524.2	25283.7	23677.1	17283.2	16981.9	17514.5	15441.7	13392.2
67.5°	13186.0	14330.0	21145.4	22775.2	22047.3	15811.1	15136.9	14991.6	12963.7	11332.0
70°	12088.7	13221.9	19146.1	19348.7	19009.9	13412.0	12526.2	11552.6	9689.6	8271.3
72.5°	10769.0	11393.0	16372.3	15411.2	15027.5	10534.1	10347.7	8699.8	7263.6	6046.1
75°	9392.0	9210.9	12764.7	10577.2	10864.1	8196.0	8739.3	6388.6	5321.8	4351.7
77.5°	6831.5	6697.0	8549.2	6424.5	7114.8	5368.4	4823.3	2549.7	2427.8	2094.3
80°	3812.0	4595.6	4617.1	3600.4	4491.6	3500.0	1206.7	84.3	53.8	78.9
82.5°	1771.5	1975.9	2503.1	1669.3	2562.3	1733.9	249.2	0.0	0.0	0.0
85°	573.8	839.1	702.9	245.6	620.4	586.3	41.2	0.0	0.0	0.0
87.5°	34.1	69.9	17.9	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)