

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: P636340

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636340
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-SA3F-750-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15521.7 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

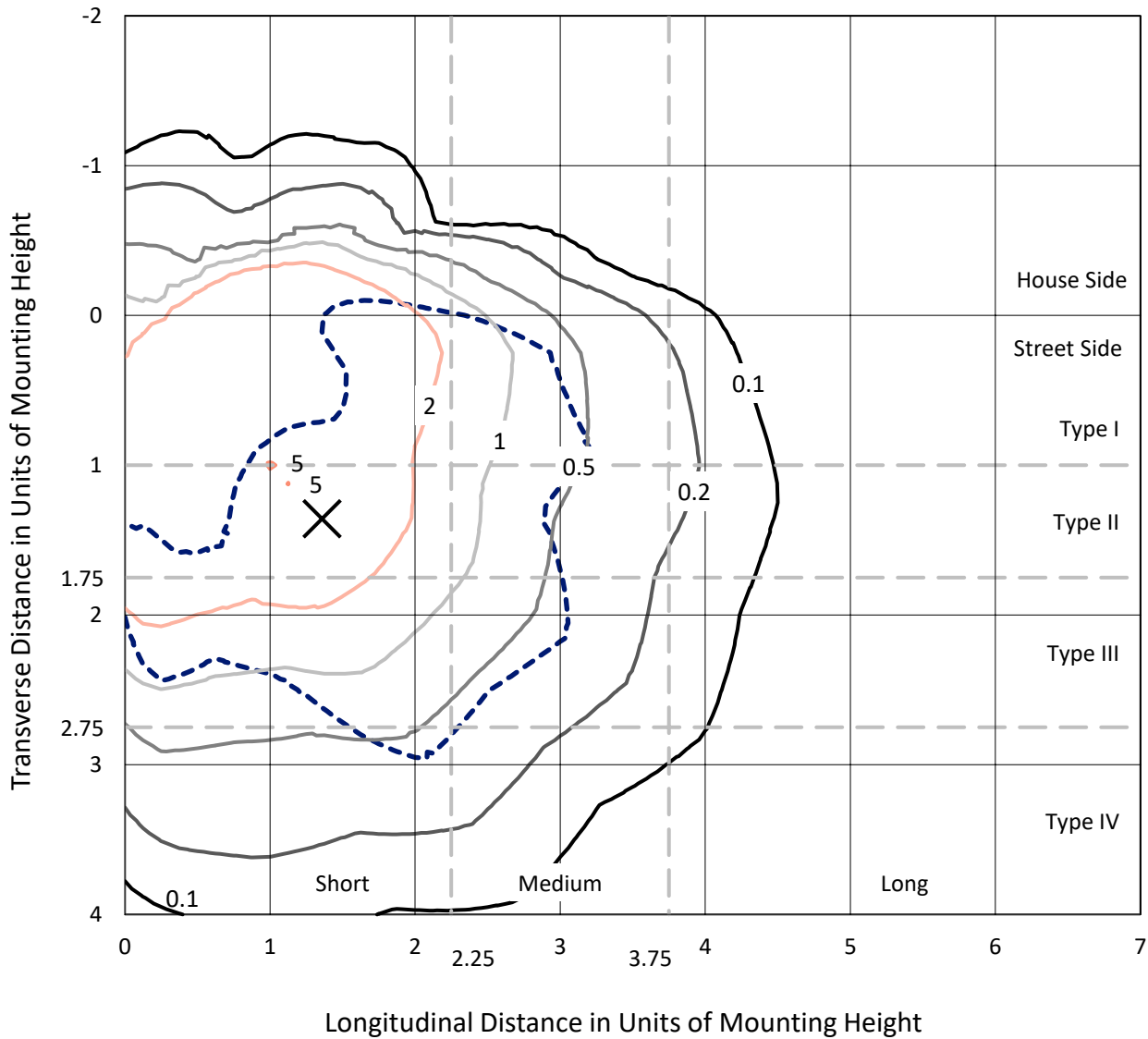
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636340
 CATALOG NUMBER: GWS-SA3F-750-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

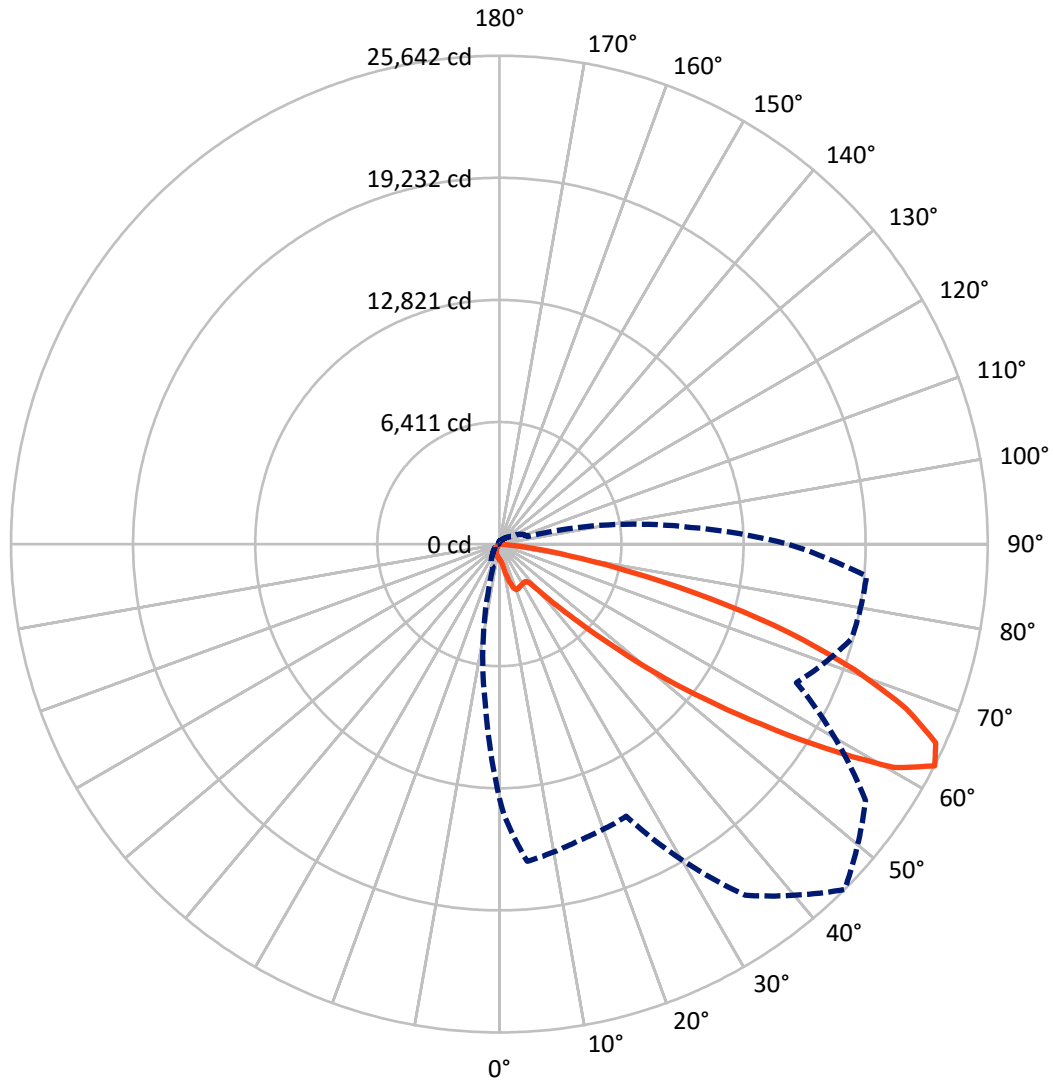
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P636340
CATALOG NUMBER: GWS-SA3F-750-U-SLR-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636340
 CATALOG NUMBER: GWS-SA3F-750-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1915.4	0.0	1915.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	13606.4	0.0	13606.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	15521.7	0.0	15521.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	0.5
10°-20°	270.6	1.7
20°-30°	588.3	3.8
30°-40°	965.5	6.2
40°-50°	1775.0	11.4
50°-60°	3811.9	24.6
60°-70°	5120.0	33.0
70°-80°	2666.0	17.2
80°-90°	252.8	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°	15521.7	100.0
0°-180°	15521.7	100.0

Coefficient of Utilization



REPORT NUMBER: P636340

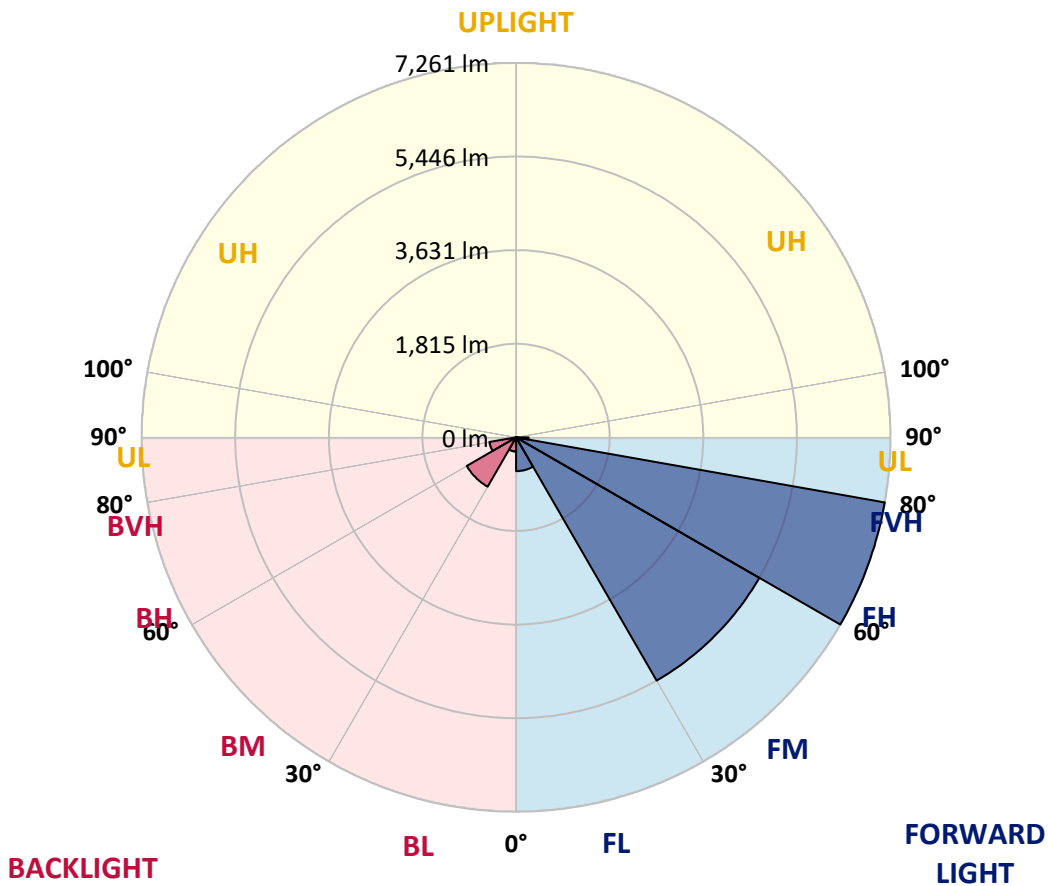
CATALOG NUMBER: GWS-SA3F-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	655.7	4.2			
FM (30°-60°)	5447.9	35.1			
FH (60°-80°)	7261.2	46.8			G3/7500
FVH (80°-90°)	241.5	1.6			G3/500
BL (0°-30°)	274.7	1.8	B1/500		
BM (30°-60°)	1104.5	7.1	B2/2500		
BH (60°-80°)	524.8	3.4	B2/1000		G2/1000
BVH (80°-90°)	11.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P636340

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8
2.5°	822.9	826.5	830.1	842.7	851.6	858.8	860.6	855.2	842.7	830.1	812.2
5°	797.8	801.4	814.0	848.0	882.1	909.0	918.0	912.6	882.1	842.7	801.4
7.5°	796.0	803.2	833.7	905.4	978.9	1034.5	1048.8	1036.3	978.9	900.0	815.8
10°	860.6	873.1	918.0	1047.1	1181.5	1280.1	1319.6	1265.8	1174.3	1030.9	892.9
12.5°	1029.1	1050.6	1136.7	1325.0	1532.9	1663.8	1717.6	1651.3	1507.8	1299.9	1081.1
15°	1294.5	1326.7	1455.8	1737.3	1982.9	2099.5	2117.4	2079.8	1913.0	1683.5	1389.5
17.5°	1669.2	1715.8	1916.6	2203.5	2381.0	2422.2	2416.8	2377.4	2255.5	2097.7	1819.8
20°	2117.4	2173.0	2370.2	2606.9	2624.8	2576.4	2549.5	2526.2	2485.0	2458.1	2241.1
22.5°	2569.2	2637.4	2843.5	2902.7	2741.3	2601.5	2535.2	2553.1	2614.0	2746.7	2658.9
25°	3019.2	3083.8	3277.4	3117.8	2795.1	2562.0	2477.8	2520.8	2666.0	2952.9	3065.9
27.5°	3544.6	3593.0	3707.7	3264.9	2804.1	2529.8	2447.3	2513.6	2691.1	3082.0	3512.3
30°	4091.4	4120.1	4064.5	3304.3	2773.6	2481.4	2416.8	2513.6	2734.2	3168.0	3847.6
32.5°	4493.0	4498.4	4317.3	3307.9	2757.5	2441.9	2388.1	2502.9	2775.4	3239.8	4172.1
35°	4907.2	4880.3	4559.3	3361.7	2800.5	2456.3	2409.7	2533.4	2839.9	3324.0	4457.1
37.5°	5326.7	5278.3	4830.1	3449.5	2911.7	2612.3	2583.6	2689.3	2943.9	3440.6	4770.9
40°	5757.0	5690.7	5111.5	3582.2	3159.1	3142.9	3241.6	3229.0	3229.0	3589.4	5093.6
42.5°	6282.3	6205.2	5527.5	3956.9	3736.4	4096.8	4365.7	4199.0	3890.6	3931.8	5513.2
45°	6976.2	6909.8	6248.2	4674.1	4641.8	5470.1	5832.3	5502.4	4735.0	4722.5	6214.2
47.5°	8086.0	8073.4	7397.5	5506.0	5749.8	7218.2	7917.4	7282.7	5697.8	5559.8	7540.9
50°	9645.8	9608.1	8830.0	6481.3	7067.6	9384.0	10631.9	9574.1	6861.4	6536.9	9317.7
52.5°	11402.8	11442.3	10836.3	7546.3	8467.9	11793.7	13531.0	12198.9	8125.4	7779.4	11553.4
55°	13057.7	13283.6	13124.0	8792.4	9835.8	14454.3	16715.2	15078.3	9690.6	9405.5	14059.9
57.5°	14352.1	14988.6	16107.4	10603.2	11444.1	17566.8	20270.5	18199.7	11517.6	12046.5	17471.8
60°	14423.9	15266.5	17864.4	14391.6	13513.1	20236.4	23820.4	21249.4	14389.8	16530.5	20145.0
62.5°	13342.7	14246.4	16720.6	16112.8	15766.7	22508.0	25642.0	23472.6	17215.4	19157.1	19352.5
65°	12105.6	13018.2	15444.0	14160.3	15505.0	22411.2	25179.4	23524.6	17471.8	17371.4	17934.3
67.5°	10235.6	11055.0	13251.3	12534.1	14291.2	21330.1	23042.3	22041.9	16096.6	16247.2	16498.2
70°	7471.0	8259.9	10298.4	10334.3	12480.4	19381.2	19799.0	19660.9	14823.7	14983.2	14266.1
72.5°	5396.6	6061.8	7820.6	8475.0	9963.1	16252.6	15964.0	16496.4	12718.8	13344.5	11458.4
75°	3879.8	4378.3	5737.3	7372.4	7897.7	12069.8	11427.9	12776.2	10205.2	11490.7	8614.9
77.5°	1574.2	1749.9	2257.3	4966.3	5190.4	8120.0	6995.9	9280.0	7275.6	7549.9	4175.7
80°	64.5	71.7	93.2	2563.8	3558.9	4568.3	3743.6	4960.9	4805.0	3040.8	986.1
82.5°	7.2	7.2	16.1	738.7	1558.0	2520.8	1764.2	2857.9	2433.0	1289.1	448.2
85°	1.8	1.8	3.6	84.3	365.8	403.4	238.5	876.7	1131.3	527.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	16.1	17.9	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: P636340

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8
2.5°	812.2	803.2	792.5	781.7	776.3	762.0	756.6	753.0	749.4	751.2	751.2
5°	785.3	765.6	742.3	719.0	706.4	692.1	684.9	681.3	683.1	690.3	690.3
7.5°	781.7	744.1	693.9	663.4	649.0	638.3	631.1	627.5	629.3	638.3	641.9
10°	840.9	774.5	684.9	632.9	616.8	606.0	598.8	593.4	589.9	597.0	598.8
12.5°	968.2	876.7	727.9	629.3	600.6	586.3	580.9	570.1	564.8	568.3	570.1
15°	1231.7	1073.9	814.0	643.6	586.3	570.1	561.2	552.2	543.2	541.5	543.2
17.5°	1576.0	1350.1	944.9	677.7	575.5	555.8	543.2	530.7	518.1	516.4	514.6
20°	2002.7	1688.9	1127.7	731.5	566.6	543.2	525.3	507.4	491.3	485.9	485.9
22.5°	2391.7	2097.7	1362.6	797.8	554.0	525.3	503.8	482.3	464.4	455.4	453.6
25°	2866.8	2531.6	1644.1	874.9	536.1	502.0	478.7	457.2	439.3	428.5	424.9
27.5°	3345.5	2988.8	1963.2	975.3	514.6	478.7	457.2	437.5	417.7	405.2	401.6
30°	3809.9	3481.8	2321.8	1100.8	498.4	455.4	437.5	417.7	399.8	380.1	374.7
32.5°	4308.3	3985.6	2723.4	1240.7	485.9	439.3	419.5	401.6	378.3	360.4	351.4
35°	4788.8	4505.5	3166.3	1376.9	473.3	424.9	403.4	385.5	360.4	340.7	328.1
37.5°	5272.9	5034.5	3628.8	1459.4	455.4	405.2	385.5	371.1	342.4	319.1	304.8
40°	5785.7	5581.3	4129.0	1425.4	439.3	383.7	372.9	356.8	324.5	297.6	279.7
42.5°	6348.6	6103.0	4638.2	1294.5	424.9	365.8	355.0	338.9	308.4	276.1	252.8
45°	7056.8	6675.0	5056.0	1097.3	432.1	347.8	326.3	322.7	294.0	252.8	224.1
47.5°	8274.2	7553.5	5380.5	970.0	480.5	328.1	303.0	312.0	281.5	229.5	197.2
50°	10137.0	9009.3	5683.5	961.0	554.0	319.1	281.5	304.8	268.9	206.2	173.9
52.5°	11912.0	10488.4	5877.1	1039.9	618.5	342.4	260.0	295.8	260.0	190.0	157.8
55°	13609.9	11341.9	5531.1	1097.3	679.5	412.4	243.8	281.5	249.2	181.1	152.4
57.5°	15440.4	11722.0	4354.9	1213.8	722.5	471.5	247.4	260.0	234.9	175.7	150.6
60°	15987.3	11236.1	2628.4	1366.2	699.2	489.5	274.3	231.3	215.1	164.9	145.2
62.5°	15137.4	10083.3	1550.9	1244.3	679.5	462.6	313.8	213.4	195.4	150.6	134.5
65°	13866.3	8518.1	1011.2	1050.6	720.7	412.4	333.5	204.4	177.5	136.3	118.3
67.5°	12414.0	6861.4	708.2	620.3	665.2	371.1	281.5	202.6	159.6	114.7	96.8
70°	10456.2	5138.4	498.4	410.6	554.0	329.9	218.7	197.2	139.8	93.2	75.3
72.5°	8078.8	3216.5	371.1	265.3	394.4	268.9	173.9	166.7	113.0	77.1	57.4
75°	5957.8	1834.1	261.8	191.8	260.0	204.4	129.1	118.3	96.8	73.5	52.0
77.5°	3110.7	918.0	163.2	147.0	148.8	127.3	93.2	86.1	89.6	73.5	48.4
80°	597.0	182.9	98.6	107.6	80.7	80.7	68.1	71.7	78.9	59.2	41.2
82.5°	249.2	39.4	53.8	61.0	50.2	55.6	55.6	57.4	55.6	43.0	30.5
85°	0.0	0.0	23.3	25.1	34.1	34.1	28.7	28.7	28.7	25.1	17.9
87.5°	0.0	0.0	0.0	0.0	1.8	5.4	10.8	12.6	14.3	10.8	7.2
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: P636340

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8
2.5°	749.4	745.8	751.2	754.8	758.4	758.4	754.8	751.2	745.8	751.2	745.8
5°	692.1	697.4	706.4	710.0	713.6	706.4	702.8	692.1	683.1	684.9	681.3
7.5°	647.2	652.6	663.4	670.5	670.5	667.0	656.2	645.4	631.1	631.1	629.3
10°	606.0	613.2	625.7	634.7	638.3	634.7	623.9	609.6	597.0	597.0	591.7
12.5°	571.9	580.9	595.2	607.8	611.4	607.8	597.0	582.7	568.3	568.3	564.8
15°	543.2	554.0	570.1	584.5	589.9	584.5	571.9	554.0	539.7	541.5	536.1
17.5°	516.4	525.3	546.8	563.0	568.3	563.0	546.8	523.5	509.2	512.8	509.2
20°	485.9	496.6	518.1	536.1	541.5	536.1	518.1	493.0	478.7	478.7	480.5
22.5°	453.6	464.4	485.9	498.4	505.6	500.2	482.3	459.0	444.6	444.6	446.4
25°	424.9	430.3	446.4	459.0	460.8	455.4	441.1	423.1	412.4	417.7	419.5
27.5°	398.0	398.0	405.2	412.4	410.6	405.2	399.8	385.5	383.7	389.1	394.4
30°	369.3	360.4	356.8	351.4	349.6	347.8	353.2	353.2	356.8	364.0	369.3
32.5°	344.2	326.3	310.2	294.0	285.1	292.2	306.6	319.1	331.7	342.4	347.8
35°	315.5	286.9	260.0	238.5	224.1	234.9	258.2	281.5	303.0	317.3	326.3
37.5°	286.9	245.6	213.4	186.5	175.7	184.7	209.8	242.0	274.3	292.2	304.8
40°	256.4	204.4	166.7	145.2	134.5	143.4	168.5	200.8	243.8	267.1	283.3
42.5°	225.9	168.5	134.5	113.0	107.6	113.0	132.7	164.9	211.6	240.2	261.8
45°	195.4	139.8	107.6	91.4	86.1	91.4	107.6	134.5	181.1	213.4	238.5
47.5°	168.5	118.3	89.6	75.3	71.7	77.1	89.6	113.0	152.4	184.7	213.4
50°	147.0	104.0	77.1	64.5	61.0	66.3	77.1	95.0	129.1	157.8	188.3
52.5°	132.7	96.8	68.1	55.6	53.8	57.4	66.3	80.7	109.4	134.5	163.2
55°	129.1	96.8	62.8	50.2	48.4	52.0	59.2	69.9	95.0	116.5	141.6
57.5°	132.7	104.0	59.2	43.0	41.2	44.8	52.0	61.0	82.5	100.4	123.7
60°	132.7	105.8	52.0	34.1	32.3	35.9	43.0	53.8	73.5	87.9	107.6
62.5°	120.1	96.8	43.0	26.9	23.3	26.9	35.9	44.8	64.5	78.9	95.0
65°	104.0	82.5	35.9	19.7	16.1	19.7	28.7	37.7	55.6	68.1	86.1
67.5°	84.3	62.8	26.9	14.3	10.8	14.3	21.5	30.5	46.6	59.2	77.1
70°	62.8	44.8	21.5	12.6	10.8	12.6	19.7	28.7	41.2	53.8	71.7
72.5°	46.6	30.5	17.9	12.6	9.0	12.6	17.9	26.9	39.4	52.0	68.1
75°	39.4	25.1	16.1	10.8	9.0	10.8	16.1	25.1	35.9	48.4	64.5
77.5°	37.7	23.3	14.3	9.0	7.2	9.0	14.3	21.5	32.3	44.8	62.8
80°	32.3	19.7	12.6	7.2	5.4	7.2	12.6	17.9	25.1	34.1	48.4
82.5°	25.1	16.1	9.0	3.6	1.8	3.6	9.0	10.8	16.1	19.7	28.7
85°	16.1	9.0	3.6	0.0	0.0	0.0	3.6	7.2	7.2	9.0	14.3
87.5°	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.4
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: P636340
 CATALOG NUMBER: GWS-SA3F-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8	806.8
2.5°	756.6	758.4	762.0	767.4	779.9	790.7	801.4	815.8	822.9	822.9
5°	684.9	686.7	688.5	695.6	713.6	727.9	751.2	779.9	794.3	797.8
7.5°	629.3	632.9	636.5	641.9	659.8	679.5	710.0	763.8	790.7	796.0
10°	597.0	602.4	609.6	620.3	636.5	658.0	710.0	806.8	851.6	860.6
12.5°	571.9	580.9	588.1	600.6	620.3	654.4	758.4	928.7	1007.6	1029.1
15°	546.8	557.6	568.3	580.9	602.4	667.0	851.6	1147.5	1278.3	1294.5
17.5°	521.7	534.3	548.6	563.0	589.9	697.4	998.6	1450.5	1633.3	1669.2
20°	493.0	509.2	528.9	546.8	577.3	745.8	1203.0	1810.8	2040.3	2117.4
22.5°	462.6	482.3	505.6	528.9	563.0	805.0	1450.5	2198.1	2519.0	2569.2
25°	437.5	457.2	478.7	502.0	539.7	876.7	1749.9	2678.6	2970.8	3019.2
27.5°	414.2	433.9	453.6	475.1	516.4	970.0	2110.2	3189.6	3494.4	3544.6
30°	389.1	412.4	432.1	453.6	494.8	1084.7	2526.2	3756.1	4044.8	4091.4
32.5°	367.5	390.9	410.6	432.1	478.7	1210.2	2963.7	4258.1	4493.0	4493.0
35°	349.6	374.7	389.1	417.7	466.2	1290.9	3377.8	4736.8	4914.3	4907.2
37.5°	329.9	360.4	371.1	390.9	450.0	1299.9	3766.9	5242.4	5373.3	5326.7
40°	310.2	342.4	358.6	369.3	432.1	1226.3	4193.6	5706.8	5817.9	5757.0
42.5°	292.2	317.3	340.7	353.2	421.3	1097.3	4536.0	6203.4	6336.1	6282.3
45°	274.3	295.8	310.2	333.5	428.5	1007.6	4830.1	6782.5	7015.6	6976.2
47.5°	256.4	274.3	283.3	319.1	476.9	966.4	5009.4	7679.0	8118.2	8086.0
50°	236.7	258.2	258.2	315.5	548.6	980.7	5165.3	8977.0	9656.5	9645.8
52.5°	216.9	240.2	236.7	342.4	604.2	1047.1	5342.8	10122.7	11304.2	11402.8
55°	197.2	218.7	222.3	396.2	636.5	1104.4	4656.2	10605.0	12711.6	13057.7
57.5°	175.7	188.3	231.3	437.5	625.7	1271.2	3189.6	10692.8	13609.9	14352.1
60°	152.4	163.2	261.8	428.5	591.7	1174.3	2008.0	9904.0	13482.6	14423.9
62.5°	132.7	150.6	276.1	378.3	602.4	1018.4	1280.1	8441.0	12268.8	13342.7
65°	116.5	145.2	251.0	342.4	609.6	690.3	864.2	6866.8	11083.7	12105.6
67.5°	104.0	161.4	206.2	304.8	523.5	485.9	593.4	5335.7	9319.5	10235.6
70°	95.0	164.9	168.5	261.8	405.2	312.0	390.9	3591.2	6423.9	7471.0
72.5°	86.1	121.9	127.3	209.8	261.8	190.0	252.8	2054.7	4683.0	5396.6
75°	82.5	82.5	87.9	136.3	145.2	138.1	163.2	1226.3	3358.1	3879.8
77.5°	77.1	62.8	55.6	87.9	78.9	98.6	96.8	545.0	1455.8	1574.2
80°	61.0	44.8	37.7	55.6	53.8	66.3	57.4	44.8	66.3	64.5
82.5°	37.7	28.7	26.9	34.1	30.5	34.1	26.9	7.2	7.2	7.2
85°	17.9	16.1	14.3	14.3	16.1	14.3	10.8	3.6	1.8	1.8
87.5°	9.0	9.0	7.2	5.4	7.2	7.2	5.4	1.8	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)