

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: P636395

Luminaire Tested: GWS-SA3F-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636395
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15308.9 lumens
Efficiency: N/A
Efficacy: 83.6 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

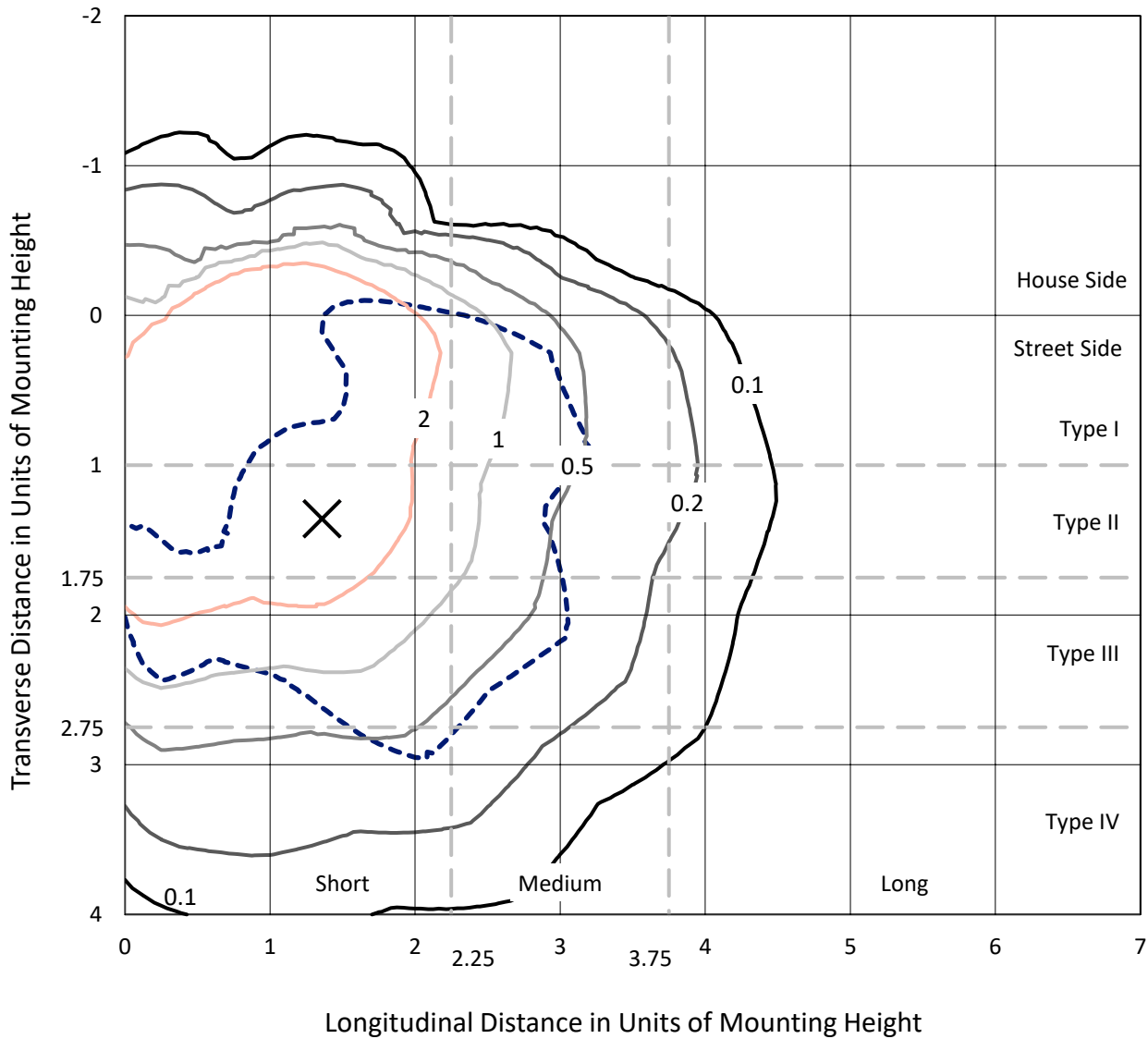
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636395
 CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

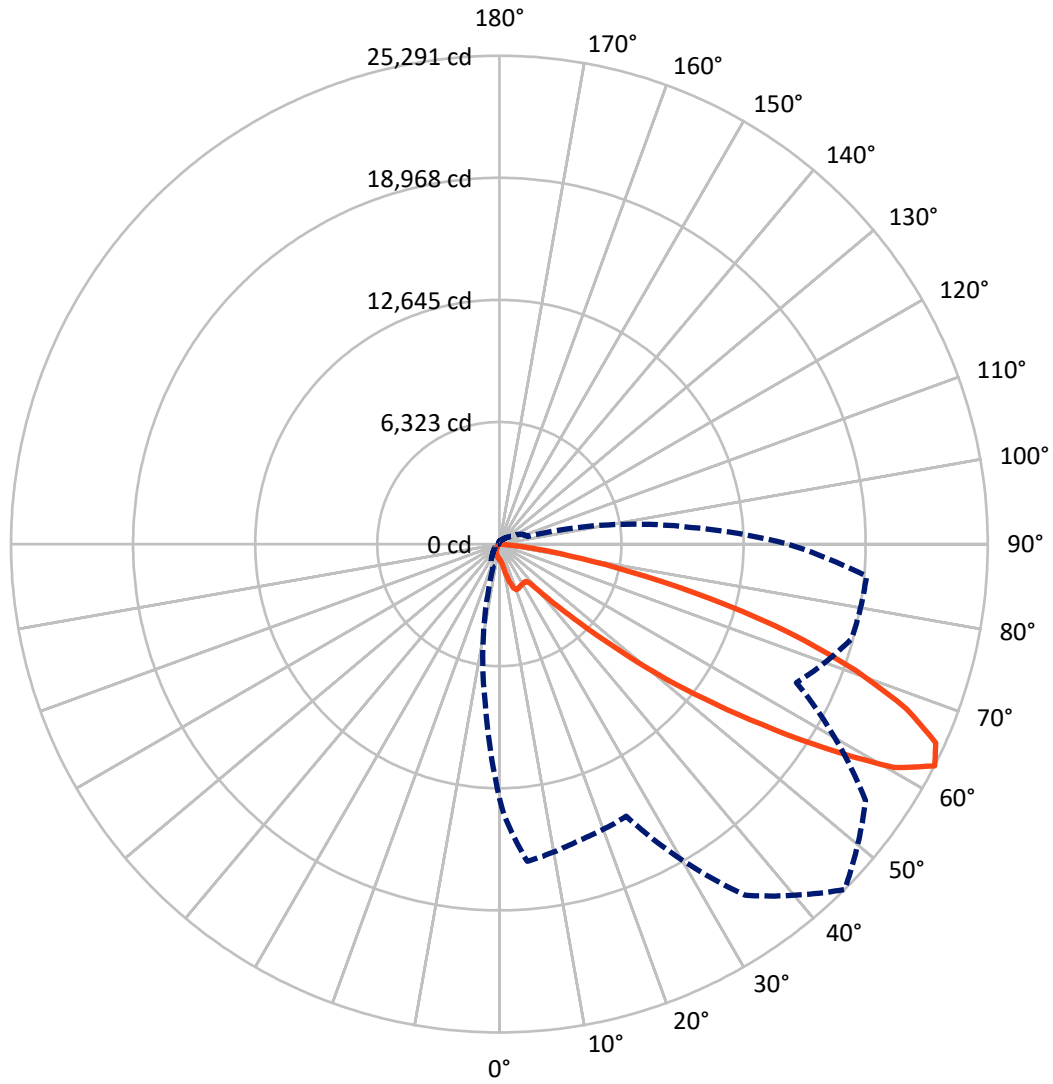
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P636395
CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636395
 CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1889.1	0.0	1889.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	13419.8	0.0	13419.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	15308.9	0.0	15308.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	0.5
10°-20°	266.9	1.7
20°-30°	580.2	3.8
30°-40°	952.3	6.2
40°-50°	1750.7	11.4
50°-60°	3759.6	24.6
60°-70°	5049.8	33.0
70°-80°	2629.5	17.2
80°-90°	249.3	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°	15308.9	100.0
0°-180°	15308.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636395

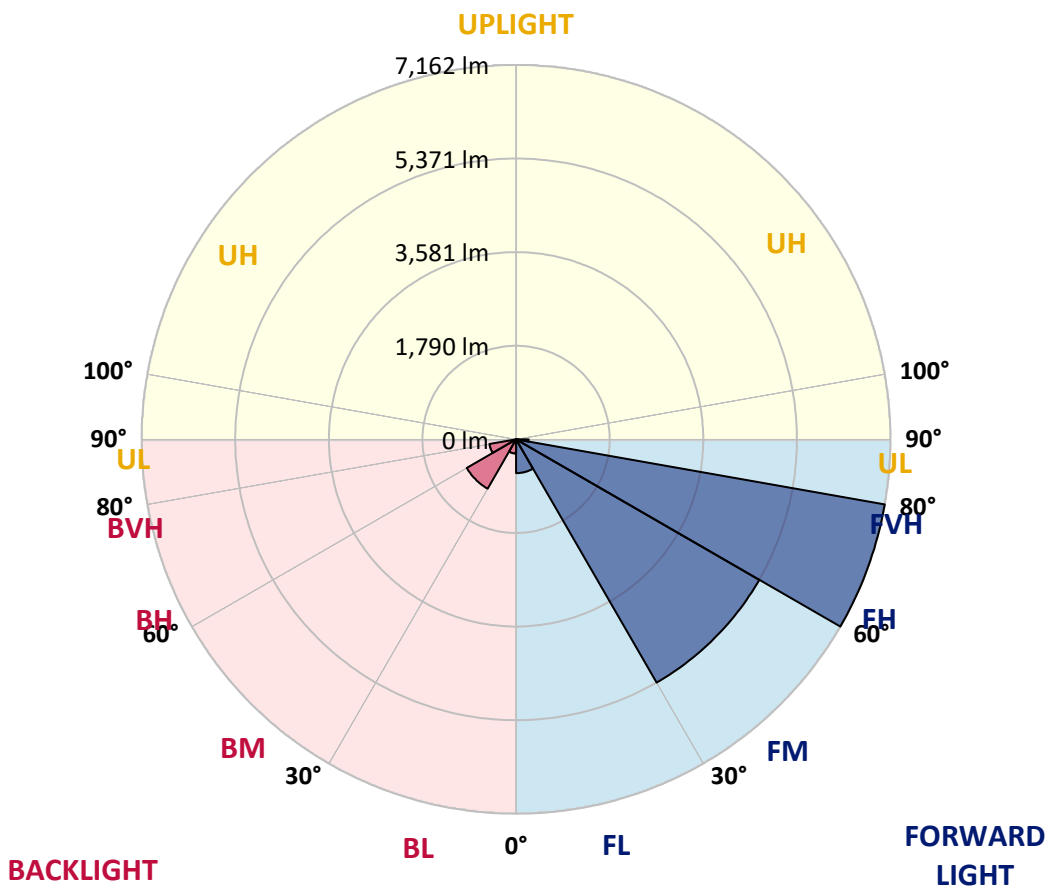
CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.7	4.2			
FM (30°-60°)	5373.2	35.1			
FH (60°-80°)	7161.6	46.8			G3/7500
FVH (80°-90°)	238.2	1.6			G3/500
BL (0°-30°)	271.0	1.8	B1/500		
BM (30°-60°)	1089.4	7.1	B2/2500		
BH (60°-80°)	517.6	3.4	B2/1000		G2/1000
BVH (80°-90°)	11.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P636395
 CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	811.7	815.2	818.7	831.1	840.0	847.0	848.8	843.5	831.1	818.7	801.0
5°	786.9	790.4	802.8	836.4	870.0	896.5	905.4	900.1	870.0	831.1	790.4
7.5°	785.1	792.2	822.3	893.0	965.5	1020.3	1034.5	1022.1	965.5	887.7	804.6
10°	848.8	861.2	905.4	1032.7	1165.3	1262.6	1301.5	1248.4	1158.2	1016.8	880.6
12.5°	1015.0	1036.2	1121.1	1306.8	1511.9	1641.0	1694.0	1628.6	1487.2	1282.0	1066.3
15°	1276.7	1308.6	1435.9	1713.5	1955.8	2070.7	2088.4	2051.2	1886.8	1660.4	1370.4
17.5°	1646.3	1692.3	1890.3	2173.3	2348.3	2389.0	2383.7	2344.8	2224.5	2068.9	1794.8
20°	2088.4	2143.2	2337.7	2571.1	2588.8	2541.1	2514.5	2491.6	2450.9	2424.4	2210.4
22.5°	2534.0	2601.2	2804.5	2862.9	2703.8	2565.8	2500.4	2518.1	2578.2	2709.1	2622.4
25°	2977.8	3041.5	3232.5	3075.1	2756.8	2526.9	2443.8	2486.3	2629.5	2912.4	3023.8
27.5°	3496.0	3543.7	3656.9	3220.1	2765.6	2495.1	2413.8	2479.2	2654.2	3039.7	3464.1
30°	4035.3	4063.6	4008.8	3259.0	2735.6	2447.3	2383.7	2479.2	2696.7	3124.6	3794.8
32.5°	4431.4	4436.7	4258.1	3262.5	2719.7	2408.4	2355.4	2468.6	2737.4	3195.3	4114.9
35°	4839.9	4813.4	4496.8	3315.6	2762.1	2422.6	2376.6	2498.6	2801.0	3278.5	4396.0
37.5°	5253.7	5205.9	4763.8	3402.2	2871.7	2576.4	2548.1	2652.5	2903.6	3393.4	4705.5
40°	5678.1	5612.6	5041.5	3533.1	3115.8	3099.9	3197.1	3184.7	3184.7	3540.2	5023.8
42.5°	6196.2	6120.1	5451.7	3902.7	3685.2	4040.6	4305.9	4141.4	3837.2	3877.9	5437.6
45°	6880.5	6815.1	6162.6	4610.0	4578.2	5395.1	5752.3	5427.0	4670.1	4657.7	6129.0
47.5°	7975.1	7962.7	7296.1	5430.5	5671.0	7119.2	7808.9	7182.9	5619.7	5483.5	7437.5
50°	9513.5	9476.4	8709.0	6392.5	6970.7	9255.4	10486.1	9442.8	6767.3	6447.3	9189.9
52.5°	11246.5	11285.4	10687.7	7442.8	8351.8	11632.0	13345.5	12031.6	8014.0	7672.7	11395.0
55°	12878.6	13101.5	12944.1	8671.8	9701.0	14256.2	16486.0	14871.5	9557.7	9276.6	13867.1
57.5°	14155.4	14783.1	15886.6	10457.8	11287.2	17326.0	19992.6	17950.2	11359.7	11881.3	17232.2
60°	14226.1	15057.2	17619.5	14194.3	13327.8	19959.0	23493.9	20958.1	14192.5	16303.9	19868.8
62.5°	13159.8	14051.0	16491.3	15891.9	15550.6	22199.4	25290.5	23150.8	16979.4	18894.5	19087.2
65°	11939.7	12839.7	15232.3	13966.2	15292.4	22104.0	24834.2	23202.1	17232.2	17133.2	17688.5
67.5°	10095.3	10903.4	13069.6	12362.3	14095.2	21037.7	22726.4	21739.7	15875.9	16024.5	16272.0
70°	7368.6	8146.6	10157.2	10192.6	12309.3	19115.5	19527.5	19391.4	14620.4	14777.8	14070.5
72.5°	5322.6	5978.7	7713.4	8358.8	9826.5	16029.8	15745.1	16270.3	12544.4	13161.6	11301.3
75°	3826.6	4318.2	5658.6	7271.3	7789.4	11904.3	11271.2	12601.0	10065.3	11333.1	8496.8
77.5°	1552.6	1725.9	2226.3	4898.2	5119.3	8008.7	6900.0	9152.8	7175.8	7446.4	4118.4
80°	63.7	70.7	92.0	2528.7	3510.1	4505.7	3692.2	4892.9	4739.1	2999.1	972.6
82.5°	7.1	7.1	15.9	728.5	1536.7	2486.3	1740.0	2818.7	2399.6	1271.4	442.1
85°	1.8	1.8	3.5	83.1	360.7	397.9	235.2	864.7	1115.8	519.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	15.9	17.7	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: P636395

CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	801.0	792.2	781.6	771.0	765.7	751.5	746.2	742.7	739.2	740.9	740.9
5°	774.5	755.1	732.1	709.1	696.7	682.6	675.5	672.0	673.7	680.8	680.8
7.5°	771.0	733.9	684.3	654.3	640.1	629.5	622.4	618.9	620.7	629.5	633.1
10°	829.3	763.9	675.5	624.2	608.3	597.7	590.6	585.3	581.8	588.8	590.6
12.5°	954.9	864.7	717.9	620.7	592.4	578.2	572.9	562.3	557.0	560.6	562.3
15°	1214.8	1059.2	802.8	634.8	578.2	562.3	553.5	544.6	535.8	534.0	535.8
17.5°	1554.4	1331.5	931.9	668.4	567.6	548.2	535.8	523.4	511.0	509.3	507.5
20°	1975.2	1665.8	1112.3	721.5	558.8	535.8	518.1	500.4	484.5	479.2	479.2
22.5°	2358.9	2068.9	1343.9	786.9	546.4	518.1	496.9	475.7	458.0	449.2	447.4
25°	2827.5	2496.9	1621.5	862.9	528.7	495.1	472.1	450.9	433.2	422.6	419.1
27.5°	3299.7	2947.8	1936.3	962.0	507.5	472.1	450.9	431.5	412.0	399.6	396.1
30°	3757.7	3434.1	2290.0	1085.7	491.6	449.2	431.5	412.0	394.3	374.9	369.6
32.5°	4249.3	3931.0	2686.1	1223.7	479.2	433.2	413.8	396.1	373.1	355.4	346.6
35°	4723.2	4443.8	3122.8	1358.1	466.8	419.1	397.9	380.2	355.4	336.0	323.6
37.5°	5200.6	4965.4	3579.1	1439.4	449.2	399.6	380.2	366.0	337.7	314.8	300.6
40°	5706.4	5504.8	4072.4	1405.8	433.2	378.4	367.8	351.9	320.1	293.5	275.9
42.5°	6261.6	6019.3	4574.6	1276.7	419.1	360.7	350.1	334.2	304.2	272.3	249.3
45°	6960.1	6583.4	4986.7	1082.2	426.2	343.1	321.8	318.3	290.0	249.3	221.0
47.5°	8160.8	7449.9	5306.7	956.7	473.9	323.6	298.8	307.7	277.6	226.3	194.5
50°	9998.1	8885.8	5605.6	947.8	546.4	314.8	277.6	300.6	265.2	203.4	171.5
52.5°	11748.7	10344.7	5796.5	1025.6	610.1	337.7	256.4	291.8	256.4	187.4	155.6
55°	13423.3	11186.4	5455.3	1082.2	670.2	406.7	240.5	277.6	245.8	178.6	150.3
57.5°	15228.7	11561.3	4295.2	1197.2	712.6	465.1	244.0	256.4	231.6	173.3	148.5
60°	15768.1	11082.0	2592.4	1347.5	689.6	482.8	270.6	228.1	212.2	162.7	143.2
62.5°	14929.9	9945.0	1529.6	1227.2	670.2	456.2	309.5	210.4	192.7	148.5	132.6
65°	13676.2	8401.3	997.3	1036.2	710.9	406.7	328.9	201.6	175.1	134.4	116.7
67.5°	12243.8	6767.3	698.5	611.8	656.0	366.0	277.6	199.8	157.4	113.2	95.5
70°	10312.8	5068.0	491.6	404.9	546.4	325.4	215.7	194.5	137.9	92.0	74.3
72.5°	7968.0	3172.4	366.0	261.7	389.0	265.2	171.5	164.5	111.4	76.0	56.6
75°	5876.1	1809.0	258.2	189.2	256.4	201.6	127.3	116.7	95.5	72.5	51.3
77.5°	3068.0	905.4	160.9	145.0	146.8	125.6	92.0	84.9	88.4	72.5	47.7
80°	588.8	180.4	97.3	106.1	79.6	79.6	67.2	70.7	77.8	58.4	40.7
82.5°	245.8	38.9	53.0	60.1	49.5	54.8	54.8	56.6	54.8	42.4	30.1
85°	0.0	0.0	23.0	24.8	33.6	33.6	28.3	28.3	28.3	24.8	17.7
87.5°	0.0	0.0	0.0	0.0	1.8	5.3	10.6	12.4	14.1	10.6	7.1
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: P636395

CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	739.2	735.6	740.9	744.5	748.0	748.0	744.5	740.9	735.6	740.9	735.6
5°	682.6	687.9	696.7	700.3	703.8	696.7	693.2	682.6	673.7	675.5	672.0
7.5°	638.4	643.7	654.3	661.4	661.4	657.8	647.2	636.6	622.4	622.4	620.7
10°	597.7	604.8	617.1	626.0	629.5	626.0	615.4	601.2	588.8	588.8	583.5
12.5°	564.1	572.9	587.1	599.5	603.0	599.5	588.8	574.7	560.6	560.6	557.0
15°	535.8	546.4	562.3	576.5	581.8	576.5	564.1	546.4	532.3	534.0	528.7
17.5°	509.3	518.1	539.3	555.3	560.6	555.3	539.3	516.3	502.2	505.7	502.2
20°	479.2	489.8	511.0	528.7	534.0	528.7	511.0	486.3	472.1	472.1	473.9
22.5°	447.4	458.0	479.2	491.6	498.7	493.4	475.7	452.7	438.5	438.5	440.3
25°	419.1	424.4	440.3	452.7	454.5	449.2	435.0	417.3	406.7	412.0	413.8
27.5°	392.6	392.6	399.6	406.7	404.9	399.6	394.3	380.2	378.4	383.7	389.0
30°	364.3	355.4	351.9	346.6	344.8	343.1	348.4	348.4	351.9	359.0	364.3
32.5°	339.5	321.8	305.9	290.0	281.2	288.2	302.4	314.8	327.1	337.7	343.1
35°	311.2	282.9	256.4	235.2	221.0	231.6	254.6	277.6	298.8	313.0	321.8
37.5°	282.9	242.3	210.4	183.9	173.3	182.1	206.9	238.7	270.6	288.2	300.6
40°	252.9	201.6	164.5	143.2	132.6	141.5	166.2	198.1	240.5	263.5	279.4
42.5°	222.8	166.2	132.6	111.4	106.1	111.4	130.9	162.7	208.7	237.0	258.2
45°	192.7	137.9	106.1	90.2	84.9	90.2	106.1	132.6	178.6	210.4	235.2
47.5°	166.2	116.7	88.4	74.3	70.7	76.0	88.4	111.4	150.3	182.1	210.4
50°	145.0	102.6	76.0	63.7	60.1	65.4	76.0	93.7	127.3	155.6	185.7
52.5°	130.9	95.5	67.2	54.8	53.0	56.6	65.4	79.6	107.9	132.6	160.9
55°	127.3	95.5	61.9	49.5	47.7	51.3	58.4	69.0	93.7	114.9	139.7
57.5°	130.9	102.6	58.4	42.4	40.7	44.2	51.3	60.1	81.3	99.0	122.0
60°	130.9	104.3	51.3	33.6	31.8	35.4	42.4	53.0	72.5	86.6	106.1
62.5°	118.5	95.5	42.4	26.5	23.0	26.5	35.4	44.2	63.7	77.8	93.7
65°	102.6	81.3	35.4	19.5	15.9	19.5	28.3	37.1	54.8	67.2	84.9
67.5°	83.1	61.9	26.5	14.1	10.6	14.1	21.2	30.1	46.0	58.4	76.0
70°	61.9	44.2	21.2	12.4	10.6	12.4	19.5	28.3	40.7	53.0	70.7
72.5°	46.0	30.1	17.7	12.4	8.8	12.4	17.7	26.5	38.9	51.3	67.2
75°	38.9	24.8	15.9	10.6	8.8	10.6	15.9	24.8	35.4	47.7	63.7
77.5°	37.1	23.0	14.1	8.8	7.1	8.8	14.1	21.2	31.8	44.2	61.9
80°	31.8	19.5	12.4	7.1	5.3	7.1	12.4	17.7	24.8	33.6	47.7
82.5°	24.8	15.9	8.8	3.5	1.8	3.5	8.8	10.6	15.9	19.5	28.3
85°	15.9	8.8	3.5	0.0	0.0	0.0	3.5	7.1	7.1	8.8	14.1
87.5°	7.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.5	5.3
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: P636395
 CATALOG NUMBER: GWS-SA3F-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	746.2	748.0	751.5	756.8	769.2	779.8	790.4	804.6	811.7	811.7
5°	675.5	677.3	679.0	686.1	703.8	717.9	740.9	769.2	783.4	786.9
7.5°	620.7	624.2	627.8	633.1	650.7	670.2	700.3	753.3	779.8	785.1
10°	588.8	594.2	601.2	611.8	627.8	649.0	700.3	795.7	840.0	848.8
12.5°	564.1	572.9	580.0	592.4	611.8	645.4	748.0	916.0	993.8	1015.0
15°	539.3	549.9	560.6	572.9	594.2	657.8	840.0	1131.7	1260.8	1276.7
17.5°	514.6	527.0	541.1	555.3	581.8	687.9	985.0	1430.6	1610.9	1646.3
20°	486.3	502.2	521.7	539.3	569.4	735.6	1186.5	1786.0	2012.3	2088.4
22.5°	456.2	475.7	498.7	521.7	555.3	794.0	1430.6	2168.0	2484.5	2534.0
25°	431.5	450.9	472.1	495.1	532.3	864.7	1725.9	2641.9	2930.1	2977.8
27.5°	408.5	427.9	447.4	468.6	509.3	956.7	2081.3	3145.8	3446.4	3496.0
30°	383.7	406.7	426.2	447.4	488.1	1069.8	2491.6	3704.6	3989.3	4035.3
32.5°	362.5	385.5	404.9	426.2	472.1	1193.6	2923.0	4199.8	4431.4	4431.4
35°	344.8	369.6	383.7	412.0	459.8	1273.2	3331.5	4671.9	4847.0	4839.9
37.5°	325.4	355.4	366.0	385.5	443.8	1282.0	3715.2	5170.6	5299.6	5253.7
40°	305.9	337.7	353.7	364.3	426.2	1209.5	4136.1	5628.6	5738.2	5678.1
42.5°	288.2	313.0	336.0	348.4	415.6	1082.2	4473.8	6118.4	6249.2	6196.2
45°	270.6	291.8	305.9	328.9	422.6	993.8	4763.8	6689.5	6919.4	6880.5
47.5°	252.9	270.6	279.4	314.8	470.4	953.1	4940.7	7573.7	8006.9	7975.1
50°	233.4	254.6	254.6	311.2	541.1	967.3	5094.5	8854.0	9524.2	9513.5
52.5°	214.0	237.0	233.4	337.7	595.9	1032.7	5269.6	9983.9	11149.2	11246.5
55°	194.5	215.7	219.3	390.8	627.8	1089.3	4592.3	10459.6	12537.4	12878.6
57.5°	173.3	185.7	228.1	431.5	617.1	1253.7	3145.8	10546.2	13423.3	14155.4
60°	150.3	160.9	258.2	422.6	583.5	1158.2	1980.5	9768.2	13297.7	14226.1
62.5°	130.9	148.5	272.3	373.1	594.2	1004.4	1262.6	8325.2	12100.6	13159.8
65°	114.9	143.2	247.6	337.7	601.2	680.8	852.3	6772.7	10931.7	11939.7
67.5°	102.6	159.1	203.4	300.6	516.3	479.2	585.3	5262.5	9191.7	10095.3
70°	93.7	162.7	166.2	258.2	399.6	307.7	385.5	3541.9	6335.9	7368.6
72.5°	84.9	120.2	125.6	206.9	258.2	187.4	249.3	2026.5	4618.8	5322.6
75°	81.3	81.3	86.6	134.4	143.2	136.2	160.9	1209.5	3312.1	3826.6
77.5°	76.0	61.9	54.8	86.6	77.8	97.3	95.5	537.6	1435.9	1552.6
80°	60.1	44.2	37.1	54.8	53.0	65.4	56.6	44.2	65.4	63.7
82.5°	37.1	28.3	26.5	33.6	30.1	33.6	26.5	7.1	7.1	7.1
85°	17.7	15.9	14.1	14.1	15.9	14.1	10.6	3.5	1.8	1.8
87.5°	8.8	8.8	7.1	5.3	7.1	7.1	5.3	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)