

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: P641232

Luminaire Tested: GWS-SA5F-740-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-740-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39118.8 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

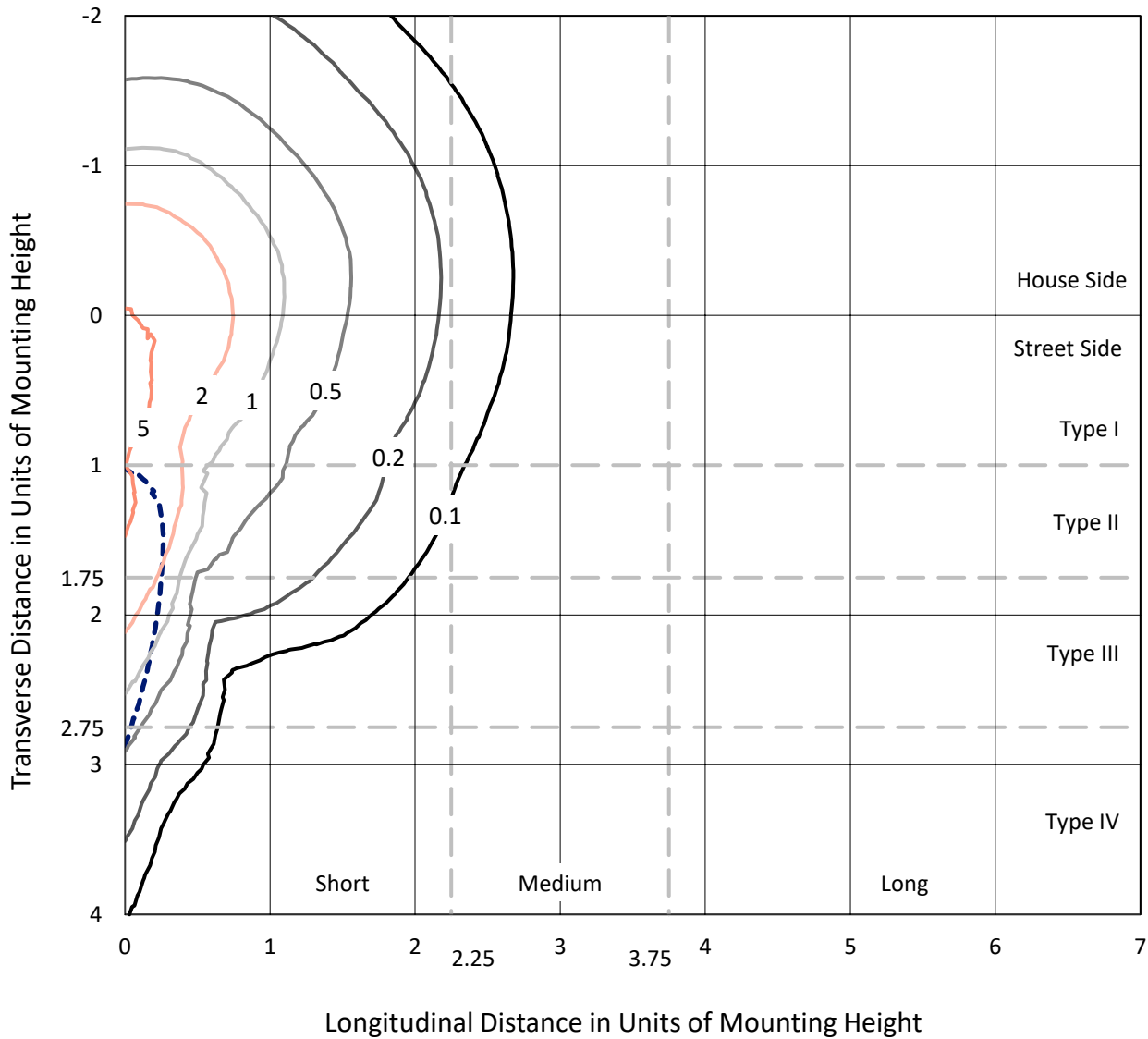
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641232
 CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

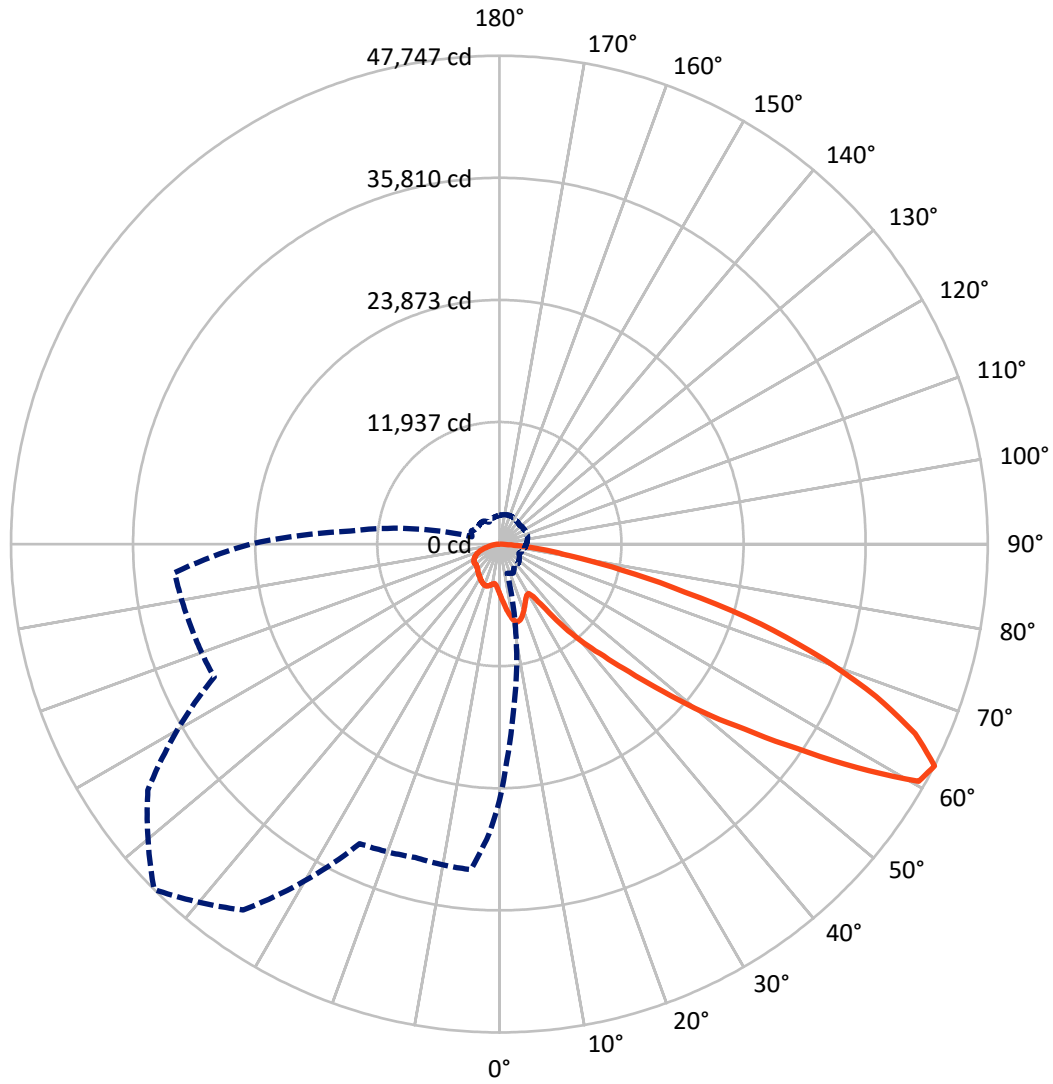
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

REPORT NUMBER: P641232
CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641232

CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9353.4	0.0	9353.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	29765.5	0.0	29765.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	39118.8	0.0	39118.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.5	1.2
10°-20°	1561.6	4.0
20°-30°	2458.3	6.3
30°-40°	3369.6	8.6
40°-50°	5257.5	13.4
50°-60°	9065.0	23.2
60°-70°	10505.2	26.9
70°-80°	5545.2	14.2
80°-90°	876.0	2.2
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°	39118.8	100.0
0°-180°	39118.8	100.0

Coefficient of Utilization



REPORT NUMBER: P641232

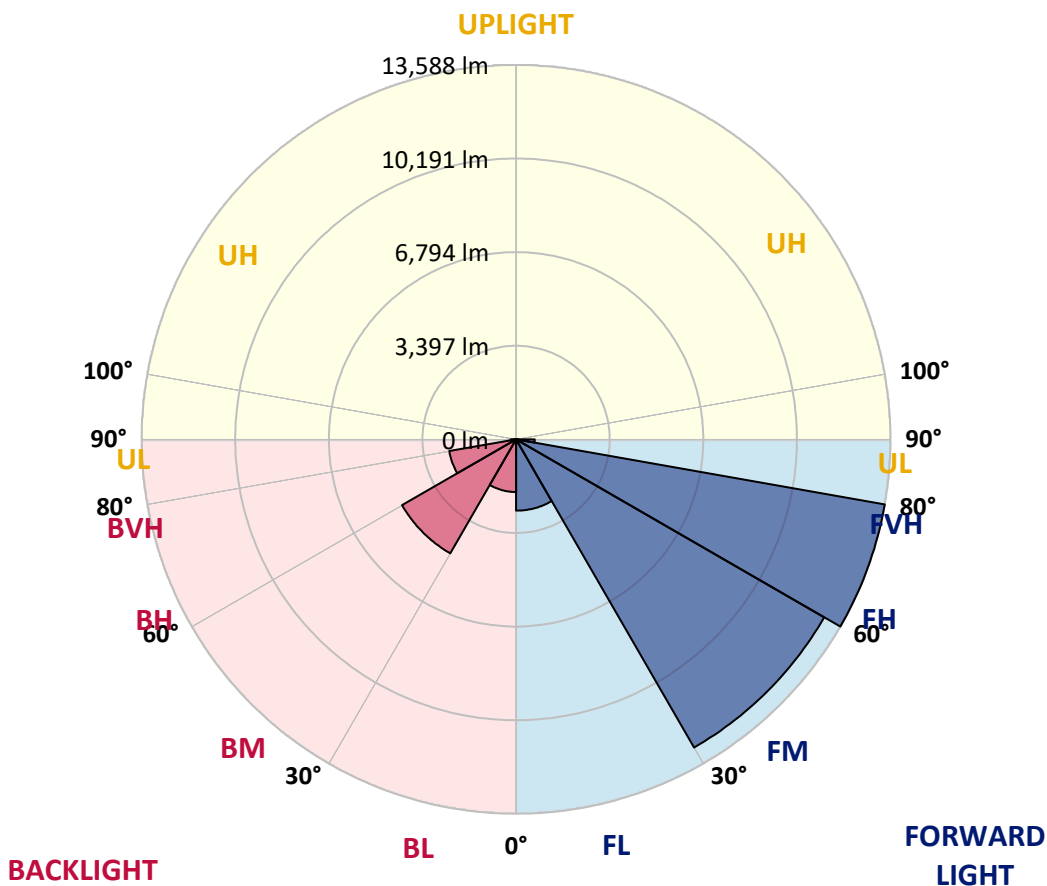
CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2587.2	6.6			
FM (30°-60°)	12914.5	33.0			
FH (60°-80°)	13587.6	34.7			G5
FVH (80°-90°)	676.1	1.7			G4/750
BL (0°-30°)	1913.1	4.9	B3/2500		
BM (30°-60°)	4777.6	12.2	B3/5000		
BH (60°-80°)	2462.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	199.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





REPORT NUMBER: P641232
 CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3
2.5°	5299.2	5278.3	5248.3	5146.6	5083.8	5012.0	4937.1	4850.4	4751.6	4682.8	4614.0
5°	5748.0	5715.1	5643.3	5400.9	5233.4	5050.9	4898.2	4724.7	4554.1	4437.4	4320.8
7.5°	6178.9	6137.0	6026.3	5655.3	5383.0	5119.7	4889.3	4637.9	4383.6	4210.0	4072.4
10°	6609.8	6523.0	6382.4	5897.6	5538.6	5233.4	4970.1	4661.9	4323.7	4087.4	3940.7
12.5°	6938.9	6858.1	6705.5	6119.1	5694.2	5311.2	5014.9	4730.7	4443.4	4192.1	4042.5
15°	7247.1	7142.4	6968.9	6325.5	5822.8	5308.2	4925.2	4676.8	4634.9	4572.1	4377.6
17.5°	7468.6	7372.8	7193.3	6493.1	5894.7	5215.4	4676.8	4530.2	4718.7	4910.2	4724.7
20°	7663.1	7552.3	7369.8	6609.8	5909.6	5009.0	4374.6	4377.6	4673.8	4937.1	4892.3
22.5°	7827.6	7704.9	7543.4	6741.5	5903.6	4721.7	4111.3	4290.8	4587.1	4793.5	4799.5
25°	8031.1	7929.4	7794.7	6935.9	5903.6	4428.5	3919.8	4186.1	4440.4	4614.0	4608.0
27.5°	8279.4	8210.6	8099.9	7232.2	5957.5	4183.1	3812.1	4051.5	4251.9	4401.5	4398.6
30°	8557.7	8494.9	8411.1	7546.4	6050.3	4000.6	3752.2	3883.9	4030.5	4150.2	4150.2
32.5°	8842.0	8818.0	8728.3	7797.7	5978.4	3943.7	3701.4	3716.3	3794.1	3892.9	3883.9
35°	9237.0	9213.0	9099.3	7992.2	5667.2	3862.9	3620.6	3545.8	3554.7	3617.6	3638.5
37.5°	9814.5	9778.5	9611.0	8219.6	5197.5	3659.5	3488.9	3366.2	3339.3	3366.2	3405.1
40°	10511.6	10457.8	10230.4	8527.8	4655.9	3384.2	3282.5	3180.7	3135.8	3144.8	3189.7
42.5°	11385.4	11271.7	10945.5	8854.0	4120.3	3141.8	3052.1	2989.2	2938.4	2932.4	3019.1
45°	12803.7	12492.5	11974.8	9144.2	3668.5	3013.2	2845.6	2800.7	2758.8	2782.8	2884.5
47.5°	15281.2	14706.7	13698.3	9392.6	3393.2	3016.1	2681.0	2633.1	2630.2	2678.0	2791.7
50°	18686.4	17857.5	16301.6	9560.1	3249.5	3052.1	2582.3	2504.5	2561.3	2609.2	2716.9
52.5°	21947.9	20682.2	18830.0	9557.1	3186.7	3058.0	2609.2	2384.8	2561.3	2573.3	2675.0
55°	24733.6	22441.6	19512.2	8575.7	3096.9	3034.1	2713.9	2292.0	2528.4	2573.3	2654.1
57.5°	26947.9	23560.7	19461.3	6927.0	3369.2	2902.4	2776.8	2271.1	2432.7	2579.3	2672.0
60°	26702.5	23049.0	18207.6	4251.9	3342.3	2669.1	2767.8	2310.0	2271.1	2498.5	2651.1
62.5°	25071.7	21214.8	16050.2	2950.3	3138.8	2534.4	2621.2	2378.8	2121.5	2381.8	2549.4
65°	22788.7	18847.9	13375.2	2262.1	2600.2	2540.4	2372.8	2330.9	1989.8	2196.3	2375.8
67.5°	19769.5	15912.6	10559.5	1792.3	1813.3	2199.3	2154.4	2070.6	1867.1	2031.7	2193.3
70°	14862.3	11612.8	7265.1	1442.2	1373.4	1837.2	1936.0	1861.2	1747.5	1795.3	1965.9
72.5°	10472.7	7582.3	3979.6	1143.0	1059.2	1412.3	1681.6	1669.7	1544.0	1579.9	1747.5
75°	7782.7	5365.0	2486.5	903.6	861.8	1011.4	1409.3	1445.2	1340.5	1382.4	1511.1
77.5°	5179.5	3474.0	1382.4	670.3	670.3	739.1	1050.3	1217.8	1140.0	1172.9	1262.7
80°	2857.6	1768.4	691.2	439.9	451.8	508.7	766.0	876.7	879.7	960.5	984.4
82.5°	903.6	562.5	308.2	257.3	242.4	290.2	493.7	628.4	586.5	748.1	688.2
85°	206.5	131.7	56.9	56.9	62.8	95.8	188.5	335.1	427.9	514.7	374.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	131.7	194.5	173.5
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: P641232
 CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3
2.5°	4572.1	4512.3	4494.3	4443.4	4437.4	4389.6	4371.6	4371.6	4392.6	4392.6	4413.5
5°	4272.9	4198.1	4156.2	4096.3	4081.4	4045.5	4021.5	4024.5	4051.5	4069.4	4105.3
7.5°	4009.6	3958.7	3928.8	3901.8	3895.9	3889.9	3862.9	3860.0	3868.9	3895.9	3922.8
10°	3898.9	3862.9	3871.9	3892.9	3925.8	3943.7	3919.8	3907.8	3898.9	3916.8	3940.7
12.5°	4006.6	3970.7	3988.6	4024.5	4069.4	4087.4	4078.4	4075.4	4084.4	4153.2	4204.1
15°	4243.0	4174.1	4150.2	4165.2	4201.1	4219.0	4210.0	4222.0	4278.9	4458.4	4587.1
17.5°	4536.2	4368.6	4272.9	4245.9	4260.9	4275.9	4275.9	4305.8	4404.5	4667.8	4829.4
20°	4694.8	4476.3	4314.8	4248.9	4254.9	4269.9	4269.9	4311.8	4422.5	4703.8	4808.5
22.5°	4652.9	4452.4	4254.9	4183.1	4186.1	4198.1	4198.1	4234.0	4332.7	4581.1	4629.0
25°	4488.3	4311.8	4117.3	4054.4	4060.4	4081.4	4075.4	4096.3	4171.1	4374.6	4401.5
27.5°	4290.8	4135.2	3943.7	3895.9	3922.8	3964.7	3928.8	3931.8	4000.6	4171.1	4174.1
30°	4078.4	3949.7	3779.2	3743.3	3794.1	3815.1	3782.2	3782.2	3851.0	3967.7	3964.7
32.5°	3848.0	3767.2	3644.5	3605.6	3662.5	3695.4	3653.5	3659.5	3713.3	3791.1	3761.2
35°	3632.5	3590.7	3533.8	3506.9	3542.8	3572.7	3545.8	3557.7	3608.6	3629.6	3587.7
37.5°	3426.1	3420.1	3426.1	3426.1	3435.1	3444.0	3426.1	3456.0	3500.9	3474.0	3426.1
40°	3246.5	3270.5	3327.3	3312.4	3303.4	3312.4	3300.4	3351.3	3396.2	3348.3	3291.4
42.5°	3096.9	3141.8	3228.6	3228.6	3210.6	3216.6	3210.6	3273.5	3306.4	3240.6	3177.7
45°	2968.3	3034.1	3144.8	3159.8	3129.9	3129.9	3141.8	3219.6	3231.6	3141.8	3076.0
47.5°	2878.5	2959.3	3085.0	3111.9	3067.0	3064.0	3096.9	3180.7	3180.7	3076.0	3001.2
50°	2815.7	2905.4	3055.0	3091.0	3046.1	3034.1	3088.0	3168.8	3150.8	3025.1	2950.3
52.5°	2773.8	2866.5	3052.1	3102.9	3073.0	3061.0	3114.9	3171.7	3126.9	2992.2	2914.4
55°	2746.8	2848.6	3061.0	3102.9	3070.0	3049.1	3102.9	3153.8	3129.9	2974.3	2899.5
57.5°	2761.8	2863.5	3049.1	3070.0	3031.1	2995.2	3058.0	3129.9	3120.9	2980.2	2905.4
60°	2737.9	2830.6	2983.2	2989.2	2923.4	2866.5	2959.3	3067.0	3067.0	2959.3	2893.5
62.5°	2627.2	2719.9	2854.6	2860.6	2785.7	2722.9	2830.6	2959.3	2956.3	2869.5	2800.7
65°	2444.6	2531.4	2684.0	2699.0	2624.2	2558.3	2669.1	2788.7	2797.7	2719.9	2660.1
67.5°	2244.2	2322.0	2435.7	2495.5	2432.7	2363.8	2465.6	2579.3	2576.3	2483.5	2420.7
70°	2004.8	2076.6	2181.3	2232.2	2193.3	2127.5	2220.2	2280.1	2253.1	2208.3	2166.4
72.5°	1768.4	1837.2	1936.0	1936.0	1894.1	1831.2	1858.2	1965.9	1998.8	1965.9	1939.0
75°	1520.0	1579.9	1648.7	1663.7	1570.9	1457.2	1582.9	1675.6	1714.5	1699.6	1666.7
77.5°	1265.7	1310.6	1412.3	1385.4	1211.8	1152.0	1253.7	1391.4	1418.3	1409.3	1364.4
80°	975.5	1002.4	1110.1	1056.3	921.6	882.7	927.6	1035.3	1041.3	1011.4	954.5
82.5°	655.3	691.2	763.0	658.3	655.3	619.4	583.5	595.5	649.3	643.3	604.4
85°	335.1	353.1	421.9	395.0	338.1	293.2	278.3	296.2	266.3	242.4	209.5
87.5°	140.6	152.6	209.5	116.7	35.9	0.0	0.0	18.0	26.9	38.9	41.9
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: P641232
 CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3
2.5°	4461.4	4494.3	4575.1	4676.8	4775.6	4877.3	4988.0	5056.8	5140.6	5248.3	5251.3
5°	4150.2	4225.0	4341.7	4497.3	4658.9	4844.4	5059.8	5239.4	5454.8	5625.4	5694.2
7.5°	3958.7	4066.4	4213.0	4410.5	4623.0	4853.4	5134.6	5436.8	5789.9	6017.3	6152.0
10°	3976.6	4141.2	4287.8	4455.4	4646.9	4895.3	5257.3	5658.3	6092.1	6391.4	6558.9
12.5°	4296.8	4470.4	4443.4	4434.5	4563.1	4865.3	5356.1	5882.7	6412.3	6711.5	6912.0
15°	4700.8	4766.6	4512.3	4320.8	4398.6	4757.6	5409.9	6083.2	6678.6	7043.7	7241.2
17.5°	4907.2	4775.6	4467.4	4180.1	4159.2	4593.0	5436.8	6286.6	6977.8	7342.9	7552.3
20°	4811.5	4620.0	4359.7	4087.4	3937.8	4368.6	5421.9	6448.2	7250.1	7657.1	7827.6
22.5°	4605.0	4437.4	4234.0	3973.7	3758.2	4123.3	5383.0	6609.8	7492.5	7902.4	8052.0
25°	4380.6	4254.9	4087.4	3860.0	3656.5	3907.8	5356.1	6825.2	7770.8	8162.8	8258.5
27.5°	4156.2	4063.4	3925.8	3749.2	3632.5	3758.2	5365.0	7106.5	8129.8	8500.9	8462.0
30°	3934.8	3854.0	3758.2	3680.4	3629.6	3722.3	5341.1	7405.7	8524.8	8868.9	8638.5
32.5°	3725.3	3650.5	3590.7	3602.6	3632.5	3737.3	5218.4	7678.0	8886.9	9180.1	8830.0
35°	3545.8	3468.0	3468.0	3509.9	3620.6	3686.4	4901.2	7890.5	9287.8	9581.1	9102.3
37.5°	3378.2	3309.4	3354.3	3423.1	3527.8	3548.8	4494.3	8096.9	9871.3	10146.6	9524.2
40°	3231.6	3162.8	3243.6	3330.3	3384.2	3375.2	4081.4	8384.2	10559.5	10843.8	10083.8
42.5°	3114.9	3052.1	3123.9	3234.6	3243.6	3252.5	3779.2	8659.5	11358.4	11720.5	11047.2
45°	3019.1	2974.3	3010.2	3120.9	3120.9	3258.5	3590.7	8889.9	12561.3	13201.6	12815.6
47.5°	2944.3	2917.4	2935.4	2971.3	3031.1	3366.2	3471.0	9066.4	14751.6	16008.3	15619.3
50°	2902.4	2875.5	2899.5	2824.6	3004.2	3420.1	3432.1	9201.0	17639.1	19608.0	19126.2
52.5°	2866.5	2857.6	2872.5	2699.0	3064.0	3384.2	3402.1	9021.5	19575.0	23150.7	23626.5
55°	2854.6	2860.6	2788.7	2606.2	3135.8	3264.5	3312.4	7737.9	20101.7	26205.8	29159.1
57.5°	2860.6	2842.6	2660.1	2615.2	3138.8	3025.1	3441.0	5520.6	19335.7	27534.3	34572.0
60°	2839.6	2749.8	2504.5	2696.0	3001.2	2743.9	3348.3	3599.6	17315.9	26514.0	34886.2
62.5°	2746.8	2615.2	2369.8	2740.9	2755.8	2576.3	3040.1	2773.8	14622.9	24329.7	31858.1
65°	2612.2	2435.7	2256.1	2648.1	2507.5	2498.5	2286.0	2223.2	11759.4	21729.4	28985.6
67.5°	2390.8	2214.2	2172.3	2435.7	2256.1	2214.2	1837.2	1843.2	9383.6	18958.7	26098.1
70°	2139.4	1962.9	1995.8	2202.3	2007.8	1840.2	1487.1	1535.0	7118.5	15795.9	22205.2
72.5°	1974.9	1738.5	1741.5	1939.0	1765.4	1490.1	1223.8	1265.7	4518.2	11906.0	17654.0
75°	1666.7	1532.0	1466.2	1570.9	1499.1	1161.0	1029.3	1020.3	2678.0	8533.8	13219.6
77.5°	1391.4	1286.7	1253.7	1295.6	1119.1	858.8	828.8	813.9	1517.1	5466.8	8662.5
80°	1008.4	981.4	978.5	999.4	861.8	631.4	631.4	634.3	816.9	2968.3	4883.3
82.5°	640.3	700.2	619.4	688.2	586.5	448.8	418.9	475.8	469.8	1265.7	2058.6
85°	266.3	365.0	341.1	362.1	278.3	245.4	263.3	284.3	272.3	487.7	801.9
87.5°	50.9	59.8	65.8	62.8	62.8	77.8	86.8	104.7	104.7	140.6	242.4
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: P641232
 CATALOG NUMBER: GWS-SA5F-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3	4877.3
2.5°	5365.0	5451.8	5433.9	5472.8	5421.9	5439.8	5338.1	5311.2	5293.2	5299.2
5°	5915.6	6092.1	6125.1	6190.9	6146.0	6146.0	5966.5	5831.8	5783.9	5748.0
7.5°	6475.1	6729.5	6897.0	6915.0	6891.1	6843.2	6582.9	6340.5	6253.7	6178.9
10°	6971.9	7277.1	7465.6	7555.3	7510.5	7435.6	7112.5	6780.4	6675.6	6609.8
12.5°	7351.9	7621.2	7746.8	7806.7	7800.7	7773.8	7510.5	7151.4	7040.7	6938.9
15°	7597.2	7731.9	7684.0	7681.0	7722.9	7830.6	7749.8	7468.6	7339.9	7247.1
17.5°	7755.8	7627.1	7414.7	7316.0	7405.7	7660.1	7845.6	7687.0	7570.3	7468.6
20°	7812.7	7354.9	7046.7	6864.1	6968.9	7336.9	7794.7	7845.6	7746.8	7663.1
22.5°	7746.8	7022.7	6603.8	6388.4	6490.1	6930.0	7645.1	7974.2	7908.4	7827.6
25°	7585.3	6675.6	6172.9	5978.4	6089.1	6538.0	7378.8	8093.9	8096.9	8031.1
27.5°	7384.8	6355.5	5870.7	5688.2	5795.9	6214.8	7118.5	8198.7	8303.4	8279.4
30°	7181.3	6164.0	5727.1	5598.4	5679.2	6050.3	6852.2	8306.4	8515.8	8557.7
32.5°	7088.5	6256.7	6065.2	6122.1	6017.3	6146.0	6756.4	8459.0	8773.2	8842.0
35°	7211.2	7079.6	7564.3	7788.7	7417.7	6930.0	6879.1	8689.4	9135.2	9237.0
37.5°	7806.7	8842.0	9566.1	10356.0	9712.7	8638.5	7486.5	9081.4	9652.9	9814.5
40°	9102.3	10380.0	11687.6	12707.9	11735.5	10290.2	8641.5	9664.8	10365.0	10511.6
42.5°	10323.1	11822.2	13623.5	14943.1	13680.4	11639.7	9886.3	10646.3	11304.6	11385.4
45°	11520.0	13237.5	15966.4	17800.7	16086.1	12923.4	11158.0	12304.0	12800.7	12803.7
47.5°	12923.4	14832.4	18904.8	21517.0	19278.8	14344.7	12351.8	14928.1	15619.3	15281.2
50°	14602.0	16418.3	21929.9	25840.7	23171.7	16092.1	13868.9	18126.8	19069.4	18686.4
52.5°	16849.1	18165.7	25263.2	30056.8	27414.6	18081.9	16068.2	22351.8	22663.0	21947.9
55°	20011.9	20688.1	29542.1	35263.2	32151.3	20532.6	19284.8	27654.0	26783.3	24733.6
57.5°	27214.2	24679.8	35035.8	41202.7	37510.4	24985.0	26334.5	33500.8	30403.9	26947.9
60°	33240.5	29527.1	40119.6	47097.4	42103.4	29892.2	32953.2	34518.1	30269.2	26702.5
62.5°	31208.8	30762.9	41953.8	47746.7	43671.3	32306.9	31723.4	31953.8	28294.3	25071.7
65°	27381.7	28378.1	40317.1	44667.7	41932.8	30143.5	28695.3	29584.0	26035.2	22788.7
67.5°	25122.6	25855.7	37405.6	39739.6	38773.1	27803.6	26340.4	25697.1	22528.4	19769.5
70°	22812.6	23420.0	33318.3	33554.7	33844.9	23913.8	21537.9	19622.9	16792.3	14862.3
72.5°	19712.7	19745.6	28150.7	26780.3	27330.9	18713.3	17336.9	14670.8	12223.2	10472.7
75°	16538.0	15634.3	22283.0	18719.3	19823.4	14557.1	14395.5	11056.2	9219.0	7782.7
77.5°	12609.2	11552.9	16277.6	12310.0	13922.8	9694.8	10822.8	7498.5	6487.1	5179.5
80°	8465.0	7806.7	8994.6	6947.9	9108.3	6681.6	7058.6	4248.9	3683.4	2857.6
82.5°	4464.4	3812.1	5559.5	4120.3	5493.7	3671.4	2648.1	1313.6	1119.1	903.6
85°	1729.5	2001.8	2725.9	1466.2	2130.5	1310.6	766.0	326.2	272.3	206.5
87.5°	335.1	517.7	284.3	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)