

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: P640847

Luminaire Tested: GWS-SA5E-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640847
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-SA5E-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35497.5 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

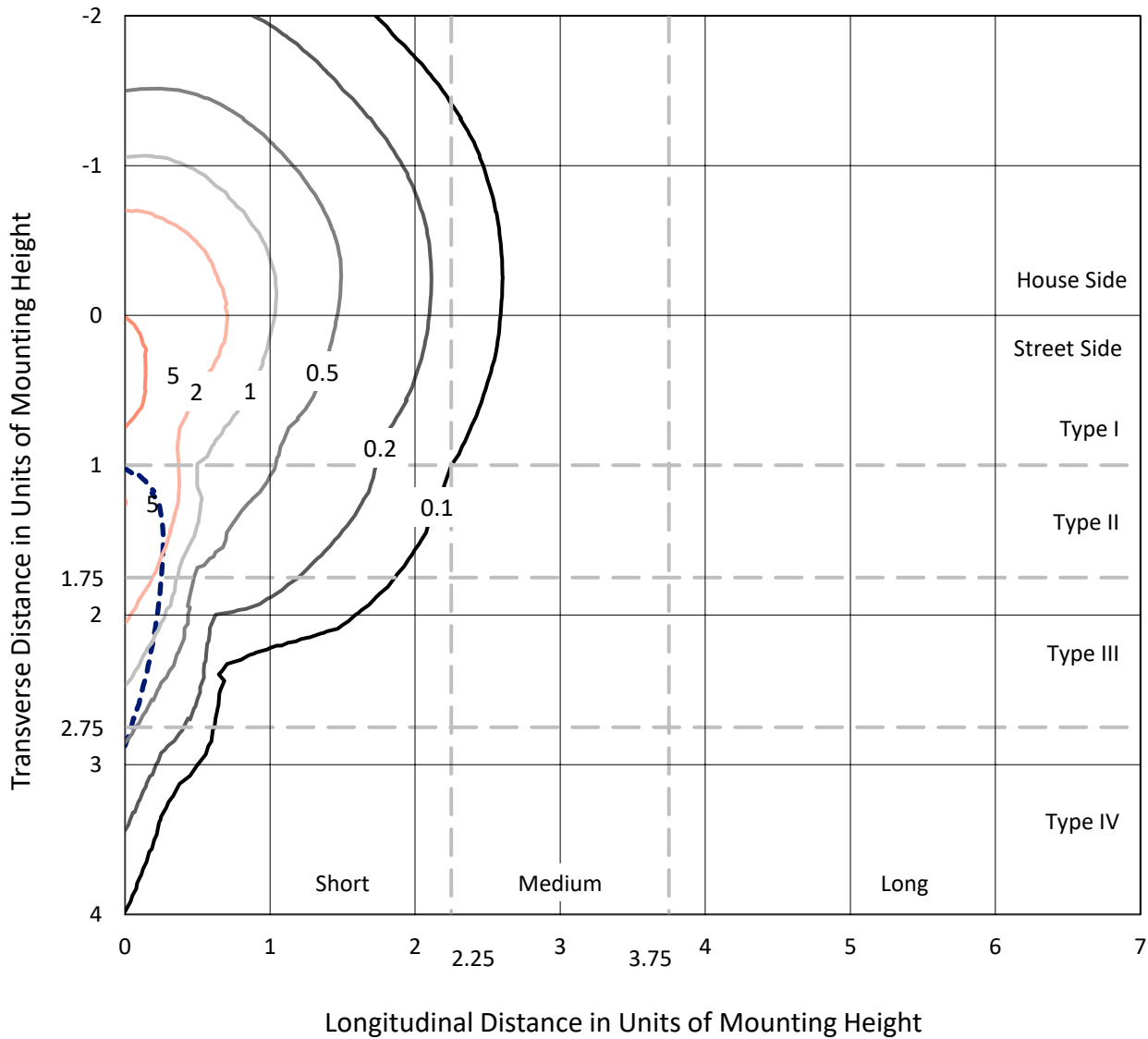
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640847
 CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

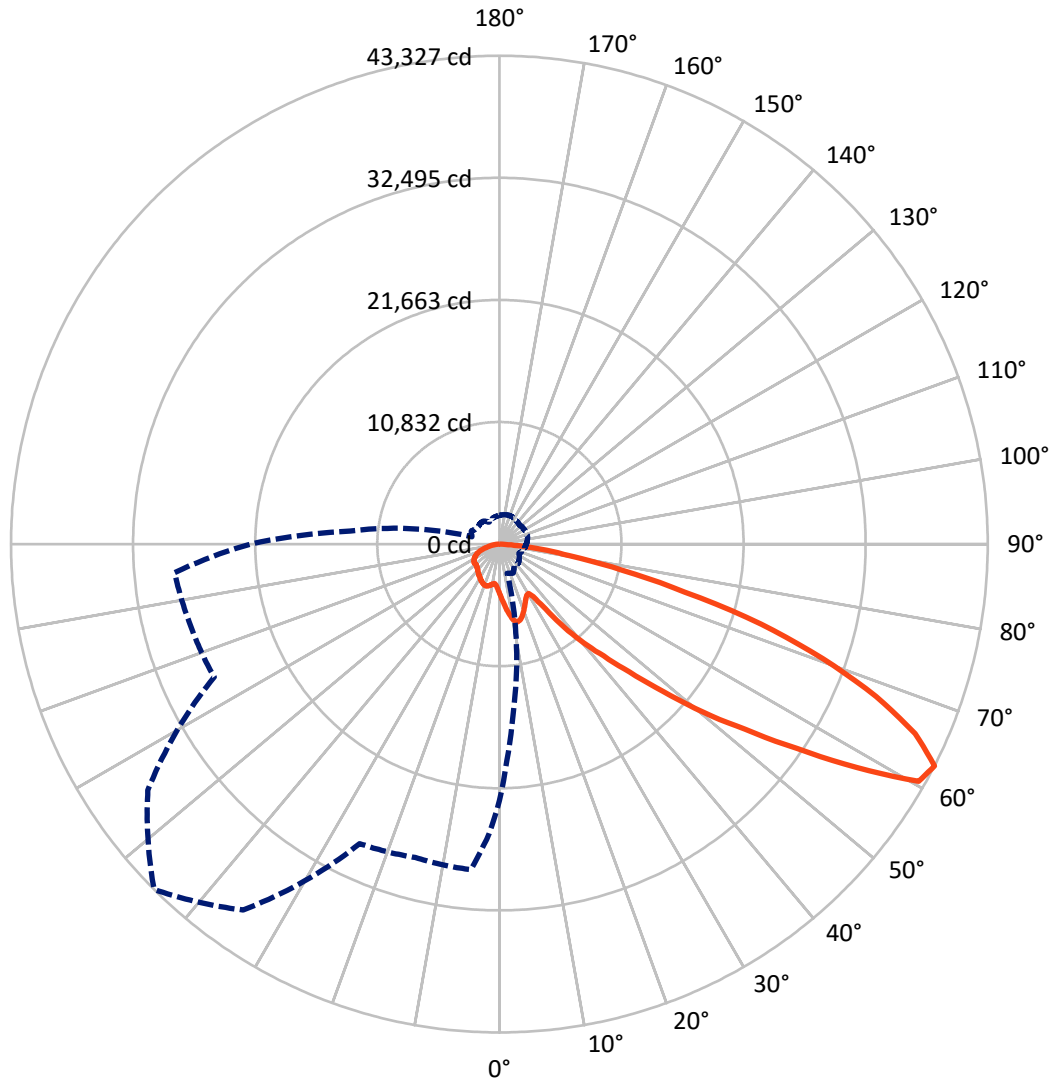
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

REPORT NUMBER: P640847
CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640847

CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8487.5	0.0	8487.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	27010.0	0.0	27010.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	35497.5	0.0	35497.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.0	1.2
10°-20°	1417.0	4.0
20°-30°	2230.7	6.3
30°-40°	3057.6	8.6
40°-50°	4770.8	13.4
50°-60°	8225.9	23.2
60°-70°	9532.7	26.9
70°-80°	5031.8	14.2
80°-90°	794.9	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°	35497.5	100.0
0°-180°	35497.5	100.0

Coefficient of Utilization



REPORT NUMBER: P640847

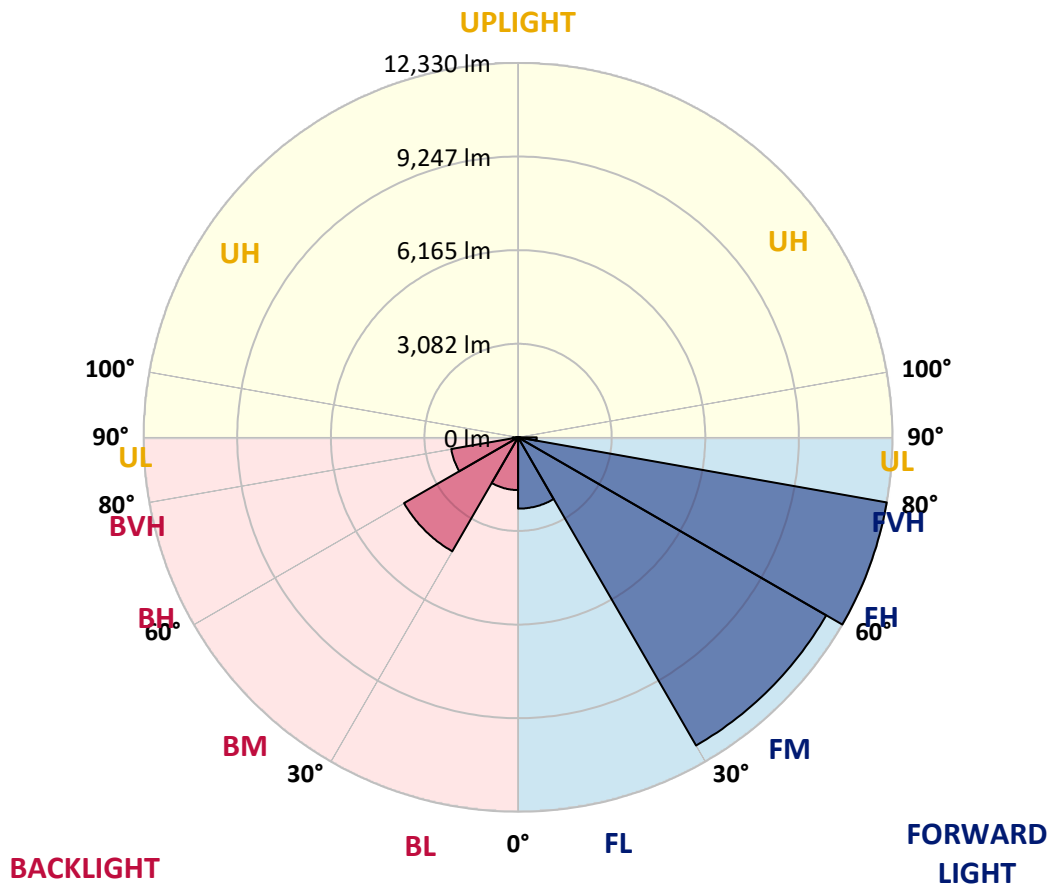
CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2347.7	6.6			
FM (30°-60°)	11719.0	33.0			
FH (60°-80°)	12329.8	34.7			G5
FVH (80°-90°)	613.5	1.7			G4/750
BL (0°-30°)	1736.0	4.9	B3/2500		
BM (30°-60°)	4335.4	12.2	B3/5000		
BH (60°-80°)	2234.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	181.3	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: P640847
 CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8
2.5°	4808.6	4789.6	4762.5	4670.2	4613.2	4548.0	4480.1	4401.4	4311.8	4249.3	4186.9
5°	5215.9	5186.1	5120.9	4901.0	4748.9	4583.3	4444.8	4287.3	4132.6	4026.7	3920.8
7.5°	5606.9	5568.9	5468.4	5131.8	4884.7	4645.7	4436.7	4208.6	3977.8	3820.3	3695.4
10°	5997.9	5919.2	5791.6	5351.7	5025.9	4748.9	4510.0	4230.3	3923.5	3709.0	3575.9
12.5°	6296.6	6223.3	6084.8	5552.6	5167.1	4819.5	4550.7	4292.8	4032.1	3804.0	3668.3
15°	6576.3	6481.2	6323.7	5740.0	5283.8	4816.8	4469.2	4243.9	4205.9	4148.9	3972.4
17.5°	6777.2	6690.3	6527.4	5892.0	5349.0	4732.6	4243.9	4110.8	4281.9	4455.7	4287.3
20°	6953.7	6853.2	6687.6	5997.9	5362.6	4545.3	3969.6	3972.4	4241.2	4480.1	4439.4
22.5°	7103.0	6991.7	6845.1	6117.4	5357.1	4284.6	3730.7	3893.6	4162.4	4349.8	4355.2
25°	7287.6	7195.3	7073.1	6293.9	5357.1	4018.5	3556.9	3798.6	4029.4	4186.9	4181.4
27.5°	7513.0	7450.6	7350.1	6562.7	5406.0	3795.9	3459.2	3676.4	3858.3	3994.1	3991.4
30°	7765.5	7708.5	7632.5	6847.8	5490.2	3630.2	3404.9	3524.4	3657.4	3766.0	3766.0
32.5°	8023.5	8001.7	7920.3	7075.9	5425.0	3578.7	3358.7	3372.3	3442.9	3532.5	3524.4
35°	8381.9	8360.2	8257.0	7252.3	5142.6	3505.3	3285.4	3217.5	3225.7	3282.7	3301.7
37.5°	8905.9	8873.3	8721.3	7458.7	4716.3	3320.7	3165.9	3054.6	3030.2	3054.6	3089.9
40°	9538.6	9489.7	9283.3	7738.4	4224.9	3070.9	2978.6	2886.3	2845.5	2853.7	2894.4
42.5°	10331.4	10228.2	9932.3	8034.3	3738.9	2851.0	2769.5	2712.5	2666.3	2660.9	2739.7
45°	11618.4	11336.0	10866.3	8297.7	3328.9	2734.2	2582.2	2541.4	2503.4	2525.2	2617.5
47.5°	13866.6	13345.3	12430.3	8523.1	3079.1	2736.9	2432.8	2389.4	2386.7	2430.1	2533.3
50°	16956.5	16204.4	14792.5	8675.1	2948.7	2769.5	2343.2	2272.6	2324.2	2367.7	2465.4
52.5°	19916.1	18767.6	17086.9	8672.4	2891.7	2775.0	2367.7	2164.0	2324.2	2335.1	2427.4
55°	22444.0	20364.1	17705.9	7781.8	2810.2	2753.2	2462.7	2079.9	2294.4	2335.1	2408.4
57.5°	24453.2	21379.6	17659.8	6285.7	3057.3	2633.8	2519.7	2060.8	2207.5	2340.5	2424.7
60°	24230.6	20915.3	16522.1	3858.3	3032.9	2422.0	2511.6	2096.1	2060.8	2267.2	2405.7
62.5°	22750.8	19250.9	14564.4	2677.2	2848.3	2299.8	2378.5	2158.6	1925.1	2161.3	2313.4
65°	20679.1	17103.2	12137.0	2052.7	2359.5	2305.2	2153.2	2115.2	1805.6	1993.0	2155.9
67.5°	17939.4	14439.5	9582.0	1626.4	1645.4	1995.7	1955.0	1878.9	1694.3	1843.6	1990.3
70°	13486.5	10537.8	6592.5	1308.7	1246.3	1667.1	1756.7	1688.9	1585.7	1629.1	1783.9
72.5°	9503.3	6880.4	3611.2	1037.2	961.2	1281.6	1526.0	1515.1	1401.1	1433.6	1585.7
75°	7062.3	4868.4	2256.3	820.0	782.0	917.7	1278.9	1311.4	1216.4	1254.4	1371.2
77.5°	4700.0	3152.4	1254.4	608.2	608.2	670.7	953.0	1105.1	1034.5	1064.4	1145.8
80°	2593.0	1604.7	627.2	399.1	410.0	461.6	695.1	795.6	798.3	871.6	893.3
82.5°	820.0	510.5	279.7	233.5	219.9	263.4	448.0	570.2	532.2	678.8	624.5
85°	187.3	119.5	51.6	51.6	57.0	86.9	171.1	304.1	388.3	467.0	339.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	119.5	176.5	157.5
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: P640847
 CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8
2.5°	4148.9	4094.5	4078.3	4032.1	4026.7	3983.2	3966.9	3966.9	3985.9	3985.9	4004.9
5°	3877.3	3809.4	3771.4	3717.1	3703.6	3671.0	3649.3	3652.0	3676.4	3692.7	3725.3
7.5°	3638.4	3592.2	3565.1	3540.6	3535.2	3529.8	3505.3	3502.6	3510.8	3535.2	3559.6
10°	3537.9	3505.3	3513.5	3532.5	3562.4	3578.7	3556.9	3546.1	3537.9	3554.2	3575.9
12.5°	3635.7	3603.1	3619.4	3652.0	3692.7	3709.0	3700.8	3698.1	3706.3	3768.7	3814.9
15°	3850.2	3787.7	3766.0	3779.6	3812.2	3828.5	3820.3	3831.2	3882.8	4045.7	4162.4
17.5°	4116.3	3964.2	3877.3	3852.9	3866.5	3880.0	3880.0	3907.2	3996.8	4235.7	4382.4
20°	4260.2	4062.0	3915.3	3855.6	3861.0	3874.6	3874.6	3912.6	4013.1	4268.3	4363.4
22.5°	4222.2	4040.2	3861.0	3795.9	3798.6	3809.4	3809.4	3842.0	3931.6	4157.0	4200.4
25°	4072.8	3912.6	3736.1	3679.1	3684.5	3703.6	3698.1	3717.1	3785.0	3969.6	3994.1
27.5°	3893.6	3752.4	3578.7	3535.2	3559.6	3597.7	3565.1	3567.8	3630.2	3785.0	3787.7
30°	3700.8	3584.1	3429.3	3396.7	3442.9	3461.9	3432.0	3432.0	3494.5	3600.4	3597.7
32.5°	3491.8	3418.5	3307.1	3271.8	3323.4	3353.3	3315.3	3320.7	3369.6	3440.2	3413.0
35°	3296.3	3258.3	3206.7	3182.2	3214.8	3242.0	3217.5	3228.4	3274.6	3293.6	3255.5
37.5°	3108.9	3103.5	3108.9	3108.9	3117.1	3125.2	3108.9	3136.1	3176.8	3152.4	3108.9
40°	2946.0	2967.7	3019.3	3005.7	2997.6	3005.7	2994.9	3041.0	3081.8	3038.3	2986.7
42.5°	2810.2	2851.0	2929.7	2929.7	2913.4	2918.9	2913.4	2970.4	3000.3	2940.6	2883.6
45°	2693.5	2753.2	2853.7	2867.3	2840.1	2840.1	2851.0	2921.6	2932.4	2851.0	2791.2
47.5°	2612.0	2685.3	2799.4	2823.8	2783.1	2780.4	2810.2	2886.3	2886.3	2791.2	2723.4
50°	2555.0	2636.5	2772.2	2804.8	2764.1	2753.2	2802.1	2875.4	2859.1	2745.1	2677.2
52.5°	2517.0	2601.2	2769.5	2815.7	2788.5	2777.7	2826.5	2878.1	2837.4	2715.2	2644.6
55°	2492.6	2584.9	2777.7	2815.7	2785.8	2766.8	2815.7	2861.8	2840.1	2698.9	2631.0
57.5°	2506.1	2598.5	2766.8	2785.8	2750.5	2717.9	2775.0	2840.1	2832.0	2704.4	2636.5
60°	2484.4	2568.6	2707.1	2712.5	2652.8	2601.2	2685.3	2783.1	2783.1	2685.3	2625.6
62.5°	2384.0	2468.1	2590.3	2595.7	2527.9	2470.8	2568.6	2685.3	2682.6	2603.9	2541.4
65°	2218.3	2297.1	2435.5	2449.1	2381.2	2321.5	2422.0	2530.6	2538.7	2468.1	2413.8
67.5°	2036.4	2107.0	2210.2	2264.5	2207.5	2145.0	2237.3	2340.5	2337.8	2253.6	2196.6
70°	1819.2	1884.4	1979.4	2025.6	1990.3	1930.5	2014.7	2069.0	2044.6	2003.8	1965.8
72.5°	1604.7	1667.1	1756.7	1756.7	1718.7	1661.7	1686.1	1783.9	1813.8	1783.9	1759.5
75°	1379.3	1433.6	1496.1	1509.7	1425.5	1322.3	1436.3	1520.5	1555.8	1542.2	1512.4
77.5°	1148.5	1189.3	1281.6	1257.1	1099.7	1045.4	1137.7	1262.6	1287.0	1278.9	1238.1
80°	885.2	909.6	1007.3	958.5	836.3	801.0	841.7	939.5	944.9	917.7	866.2
82.5°	594.6	627.2	692.4	597.3	594.6	562.0	529.5	540.3	589.2	583.8	548.5
85°	304.1	320.4	382.8	358.4	306.8	266.1	252.5	268.8	241.7	219.9	190.1
87.5°	127.6	138.5	190.1	105.9	32.6	0.0	0.0	16.3	24.4	35.3	38.0
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: P640847
 CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8
2.5°	4048.4	4078.3	4151.6	4243.9	4333.5	4425.8	4526.3	4588.7	4664.7	4762.5	4765.2
5°	3766.0	3833.9	3939.8	4081.0	4227.6	4395.9	4591.4	4754.3	4949.8	5104.6	5167.1
7.5°	3592.2	3690.0	3823.0	4002.2	4195.0	4404.1	4659.3	4933.5	5253.9	5460.3	5582.5
10°	3608.5	3757.9	3890.9	4043.0	4216.7	4442.1	4770.6	5134.5	5528.2	5799.7	5951.8
12.5°	3899.1	4056.5	4032.1	4024.0	4140.7	4414.9	4860.2	5338.1	5818.7	6090.2	6272.2
15°	4265.6	4325.3	4094.5	3920.8	3991.4	4317.2	4909.1	5520.0	6060.4	6391.6	6570.8
17.5°	4453.0	4333.5	4053.8	3793.2	3774.2	4167.9	4933.5	5704.7	6331.9	6663.1	6853.2
20°	4366.1	4192.3	3956.1	3709.0	3573.2	3964.2	4920.0	5851.3	6579.0	6948.2	7103.0
22.5°	4178.7	4026.7	3842.0	3605.8	3410.3	3741.6	4884.7	5997.9	6798.9	7170.9	7306.6
25°	3975.1	3861.0	3709.0	3502.6	3318.0	3546.1	4860.2	6193.4	7051.4	7407.1	7494.0
27.5°	3771.4	3687.3	3562.4	3402.2	3296.3	3410.3	4868.4	6448.6	7377.2	7713.9	7678.6
30°	3570.5	3497.2	3410.3	3339.7	3293.6	3377.7	4846.7	6720.2	7735.7	8047.9	7838.8
32.5°	3380.4	3312.6	3258.3	3269.1	3296.3	3391.3	4735.3	6967.2	8064.2	8330.3	8012.6
35°	3217.5	3146.9	3146.9	3184.9	3285.4	3345.1	4447.5	7160.0	8428.0	8694.1	8259.7
37.5°	3065.5	3003.0	3043.8	3106.2	3201.2	3220.2	4078.3	7347.4	8957.5	9207.3	8642.5
40°	2932.4	2870.0	2943.3	3022.0	3070.9	3062.8	3703.6	7608.0	9582.0	9839.9	9150.3
42.5°	2826.5	2769.5	2834.7	2935.1	2943.3	2951.4	3429.3	7857.8	10307.0	10635.5	10024.6
45°	2739.7	2698.9	2731.5	2832.0	2832.0	2956.9	3258.3	8066.9	11398.5	11979.5	11629.3
47.5°	2671.8	2647.3	2663.6	2696.2	2750.5	3054.6	3149.7	8227.1	13386.0	14526.4	14173.4
50°	2633.8	2609.3	2631.0	2563.2	2726.1	3103.5	3114.4	8349.3	16006.2	17792.8	17355.7
52.5°	2601.2	2593.0	2606.6	2449.1	2780.4	3070.9	3087.2	8186.4	17762.9	21007.6	21439.4
55°	2590.3	2595.7	2530.6	2365.0	2845.5	2962.3	3005.7	7021.6	18240.8	23779.9	26459.8
57.5°	2595.7	2579.5	2413.8	2373.1	2848.3	2745.1	3122.5	5009.6	17545.7	24985.4	31371.6
60°	2576.7	2495.3	2272.6	2446.4	2723.4	2489.9	3038.3	3266.4	15713.0	24059.5	31656.7
62.5°	2492.6	2373.1	2150.5	2487.1	2500.7	2337.8	2758.7	2517.0	13269.3	22077.4	28908.9
65°	2370.4	2210.2	2047.3	2403.0	2275.4	2267.2	2074.4	2017.4	10670.8	19717.9	26302.3
67.5°	2169.5	2009.3	1971.2	2210.2	2047.3	2009.3	1667.1	1672.6	8514.9	17203.6	23682.1
70°	1941.4	1781.2	1811.0	1998.4	1821.9	1669.9	1349.5	1392.9	6459.5	14333.6	20149.6
72.5°	1792.0	1577.5	1580.3	1759.5	1602.0	1352.2	1110.5	1148.5	4100.0	10803.8	16019.8
75°	1512.4	1390.2	1330.5	1425.5	1360.3	1053.5	934.0	925.9	2430.1	7743.8	11995.8
77.5°	1262.6	1167.5	1137.7	1175.7	1015.5	779.3	752.1	738.5	1376.6	4960.7	7860.6
80°	915.0	890.6	887.9	906.9	782.0	572.9	572.9	575.6	741.3	2693.5	4431.2
82.5°	581.1	635.4	562.0	624.5	532.2	407.3	380.1	431.7	426.3	1148.5	1868.1
85°	241.7	331.3	309.5	328.5	252.5	222.6	238.9	257.9	247.1	442.6	727.7
87.5°	46.2	54.3	59.7	57.0	57.0	70.6	78.7	95.0	95.0	127.6	219.9
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: P640847

CATALOG NUMBER: GWS-SA5E-760-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8	4425.8
2.5°	4868.4	4947.1	4930.8	4966.1	4920.0	4936.3	4843.9	4819.5	4803.2	4808.6
5°	5368.0	5528.2	5558.0	5617.8	5577.1	5577.1	5414.1	5292.0	5248.5	5215.9
7.5°	5875.7	6106.5	6258.6	6274.9	6253.1	6209.7	5973.5	5753.5	5674.8	5606.9
10°	6326.5	6603.4	6774.5	6855.9	6815.2	6747.3	6454.1	6152.7	6057.6	5997.9
12.5°	6671.3	6915.7	7029.7	7084.0	7078.6	7054.1	6815.2	6489.4	6388.9	6296.6
15°	6893.9	7016.1	6972.7	6970.0	7008.0	7105.7	7032.4	6777.2	6660.4	6576.3
17.5°	7037.8	6921.1	6728.3	6638.7	6720.2	6951.0	7119.3	6975.4	6869.5	6777.2
20°	7089.4	6674.0	6394.3	6228.7	6323.7	6657.7	7073.1	7119.3	7029.7	6953.7
22.5°	7029.7	6372.6	5992.5	5797.0	5889.3	6288.4	6937.4	7236.1	7176.3	7103.0
25°	6883.1	6057.6	5601.5	5425.0	5525.5	5932.7	6695.7	7344.7	7347.4	7287.6
27.5°	6701.2	5767.1	5327.3	5161.6	5259.4	5639.5	6459.5	7439.7	7534.7	7513.0
30°	6516.5	5593.3	5196.9	5080.2	5153.5	5490.2	6217.8	7537.4	7727.5	7765.5
32.5°	6432.3	5677.5	5503.7	5555.3	5460.3	5577.1	6131.0	7675.9	7961.0	8023.5
35°	6543.7	6424.2	6864.1	7067.7	6731.0	6288.4	6242.3	7885.0	8289.6	8381.9
37.5°	7084.0	8023.5	8680.5	9397.4	8813.6	7838.8	6793.5	8240.7	8759.3	8905.9
40°	8259.7	9419.1	10605.6	11531.5	10649.1	9337.6	7841.5	8770.1	9405.5	9538.6
42.5°	9367.5	10727.8	12362.4	13559.8	12414.0	10562.2	8971.1	9660.7	10258.1	10331.4
45°	10453.6	12012.1	14488.4	16152.8	14597.0	11727.0	10125.0	11165.0	11615.7	11618.4
47.5°	11727.0	13459.3	17154.7	19525.1	17494.1	13016.7	11208.4	13546.2	14173.4	13866.6
50°	13250.3	14898.4	19899.8	23448.6	21026.6	14602.4	12585.0	16448.8	17304.1	16956.5
52.5°	15289.4	16484.1	22924.6	27274.4	24876.8	16408.1	14580.7	20282.7	20565.1	19916.1
55°	18159.4	18773.0	26807.3	31998.8	29175.0	18631.8	17499.6	25094.0	24303.9	22444.0
57.5°	24694.9	22395.1	31792.5	37388.5	34038.0	22672.1	23896.6	30399.6	27589.3	24453.2
60°	30163.3	26793.8	36405.6	42737.5	38205.8	27125.0	29902.7	31322.7	27467.1	24230.6
62.5°	28319.7	27915.1	38070.1	43326.7	39628.6	29316.2	28786.7	28995.8	25675.1	22750.8
65°	24846.9	25751.1	36584.8	40532.8	38051.0	27353.1	26038.9	26845.3	23625.1	20679.1
67.5°	22797.0	23462.2	33942.9	36060.8	35183.8	25229.8	23902.1	23318.3	20442.9	17939.4
70°	20700.8	21252.0	30233.9	30448.4	30711.8	21700.0	19544.1	17806.4	15237.8	13486.5
72.5°	17887.8	17917.7	25544.8	24301.2	24800.8	16981.0	15732.0	13312.7	11091.7	9503.3
75°	15007.0	14187.0	20220.2	16986.4	17988.3	13209.5	13062.9	10032.7	8365.6	7062.3
77.5°	11441.9	10483.5	14770.8	11170.4	12633.9	8797.3	9820.9	6804.3	5886.6	4700.0
80°	7681.3	7084.0	8161.9	6304.7	8265.1	6063.1	6405.2	3855.6	3342.4	2593.0
82.5°	4051.1	3459.2	5044.9	3738.9	4985.1	3331.6	2403.0	1192.0	1015.5	820.0
85°	1569.4	1816.5	2473.6	1330.5	1933.2	1189.3	695.1	296.0	247.1	187.3
87.5°	304.1	469.7	257.9	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)