

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: P639859

Luminaire Tested: GWS-SA5C-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18796.5 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

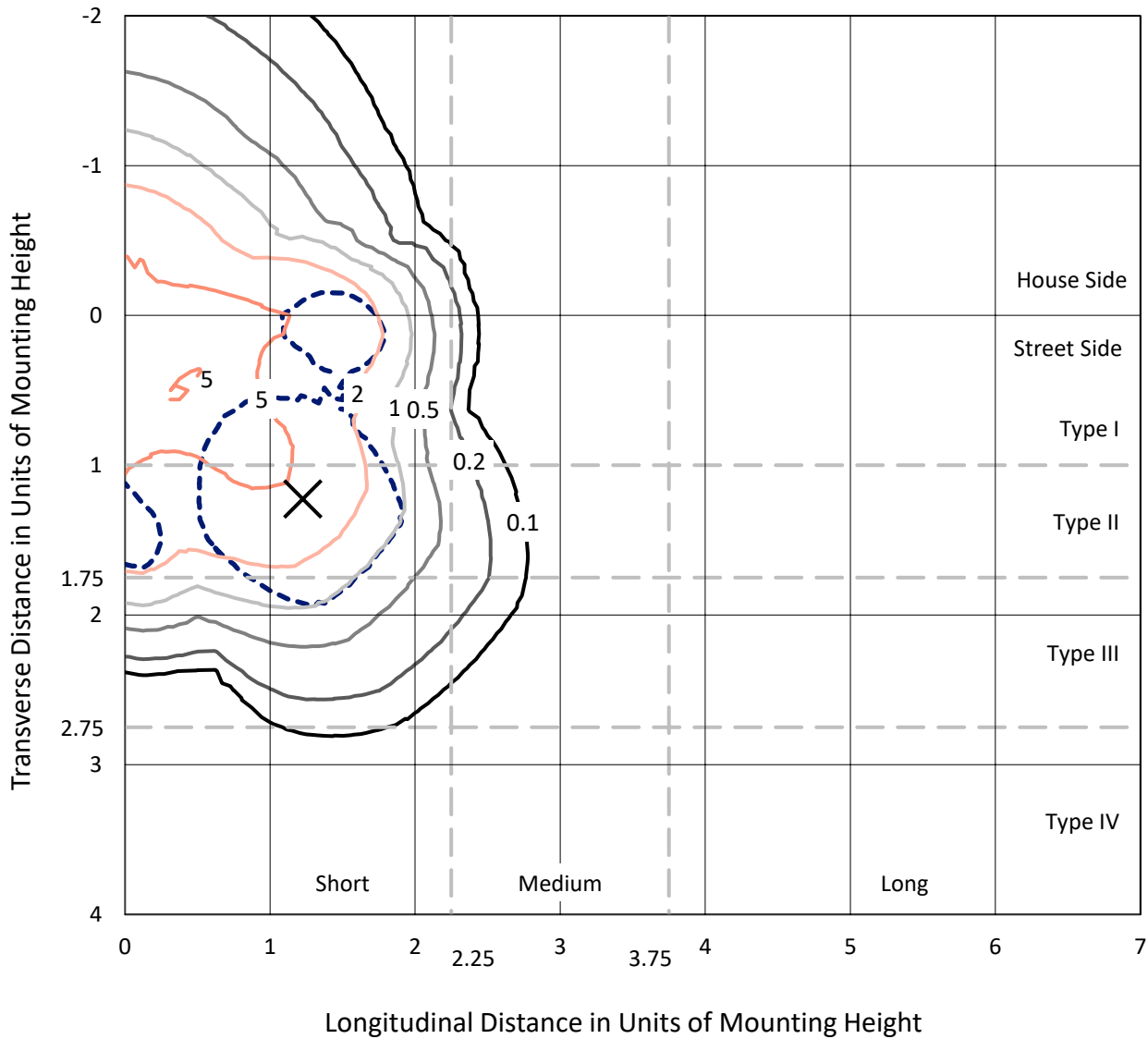
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639859
 CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

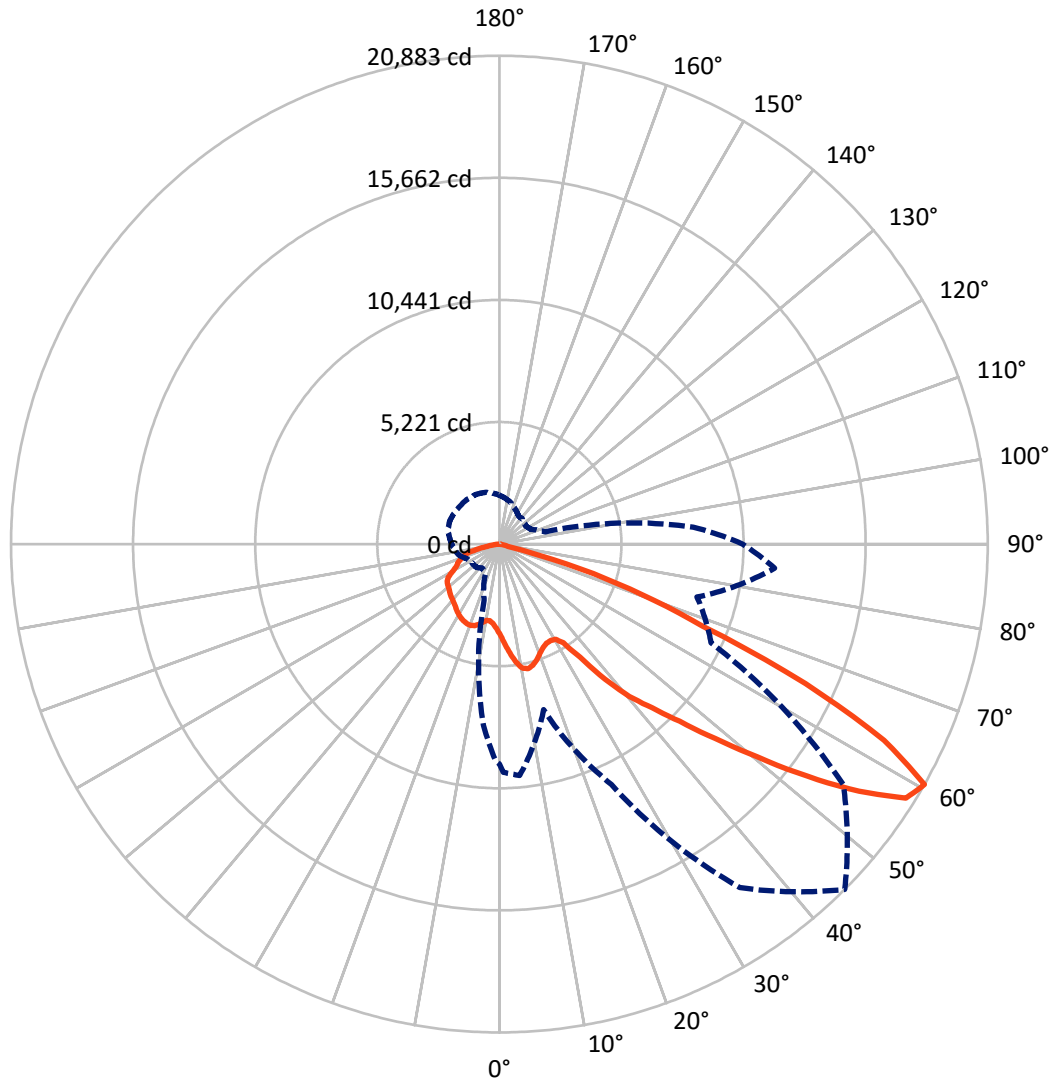
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

REPORT NUMBER: P639859
CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P639859

CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6588.9	0.0	6588.9
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	12207.6	0.0	12207.6
	% Fixture	64.9	0.0	64.9
Total	Lumens	18796.5	0.0	18796.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	2.0
10°-20°	1190.5	6.3
20°-30°	1933.8	10.3
30°-40°	2727.3	14.5
40°-50°	3769.0	20.1
50°-60°	4851.8	25.8
60°-70°	3074.2	16.4
70°-80°	788.8	4.2
80°-90°	84.4	0.4
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°	18796.5	100.0
0°-180°	18796.5	100.0

Coefficient of Utilization



REPORT NUMBER: P639859

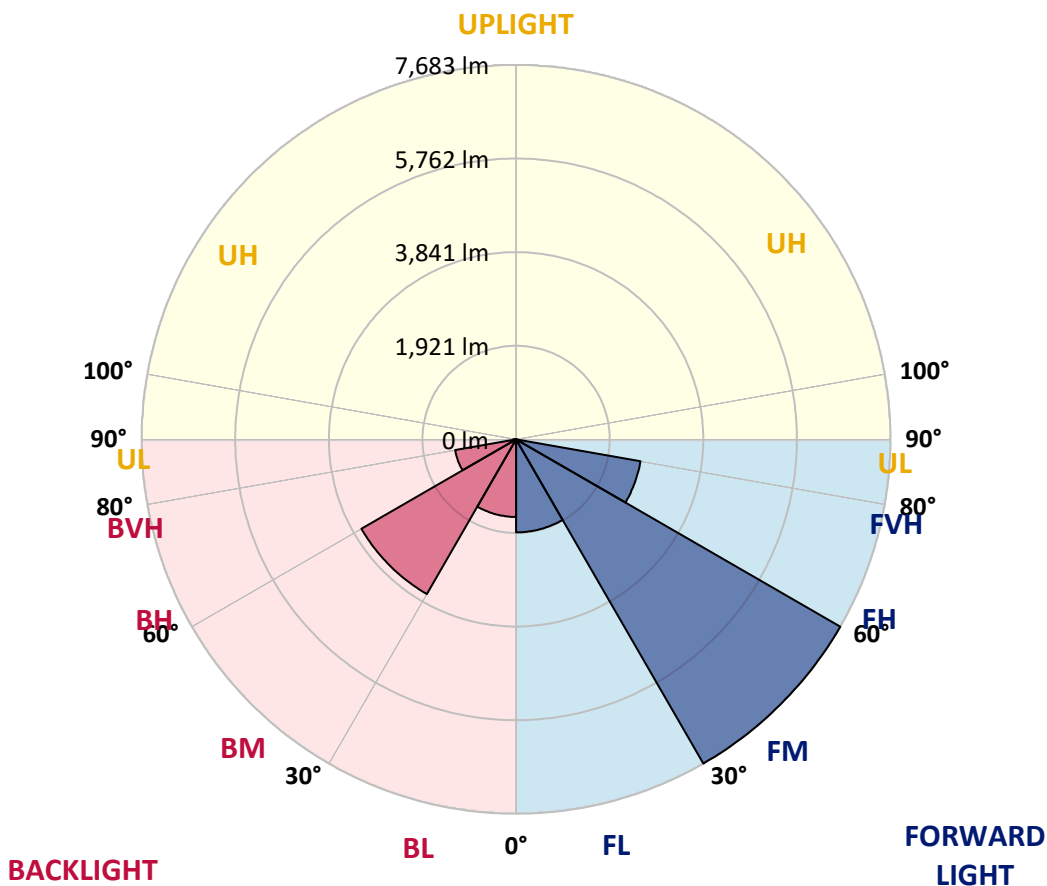
CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1908.6	10.2			
FM (30°-60°)	7682.9	40.9			
FH (60°-80°)	2593.3	13.8			G2/5000
FVH (80°-90°)	22.9	0.1			G1/100
BL (0°-30°)	1592.5	8.5	B3/2500		
BM (30°-60°)	3665.2	19.5	B3/5000		
BH (60°-80°)	1269.7	6.8	B3/2500		G3/2500
BVH (80°-90°)	61.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P639859

CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4
2.5°	4038.7	4066.3	4083.5	4116.2	4174.8	4207.5	4243.7	4204.1	4214.4	4209.3	4145.5
5°	4278.1	4310.9	4355.6	4452.1	4560.6	4620.9	4677.7	4669.1	4615.7	4526.2	4462.4
7.5°	4502.0	4539.9	4617.4	4774.2	4934.3	5027.3	5096.2	5051.4	5006.7	4865.4	4705.3
10°	4677.7	4700.1	4805.2	5015.3	5201.3	5306.3	5390.7	5380.4	5318.4	5160.0	4944.7
12.5°	4843.1	4858.6	4972.2	5182.3	5349.4	5395.9	5464.8	5487.2	5466.5	5347.7	5135.8
15°	5020.4	5049.7	5154.8	5315.0	5390.7	5342.5	5366.6	5428.6	5487.2	5487.2	5292.6
17.5°	5185.8	5211.6	5318.4	5387.3	5315.0	5187.5	5194.4	5273.6	5413.1	5559.5	5435.5
20°	5332.2	5356.3	5461.4	5395.9	5166.8	4980.8	4975.7	5072.1	5297.7	5606.0	5588.8
22.5°	5492.4	5526.8	5614.6	5402.8	5029.1	4793.1	4791.4	4891.3	5196.1	5652.5	5764.5
25°	5719.7	5773.1	5817.9	5463.1	4955.0	4670.8	4693.2	4787.9	5163.4	5728.3	6024.5
27.5°	6057.3	6100.3	6096.9	5588.8	4951.6	4620.9	4667.4	4777.6	5222.0	5862.6	6298.4
30°	6422.4	6444.8	6408.6	5764.5	5030.8	4651.9	4720.8	4851.7	5370.1	6084.8	6701.4
32.5°	6827.1	6854.7	6785.8	6028.0	5215.1	4880.9	5032.5	5096.2	5578.5	6405.2	7128.5
35°	7292.1	7345.5	7202.6	6375.9	5757.6	5716.2	5936.7	5854.0	6021.1	6784.1	7584.9
37.5°	7781.3	7783.0	7578.0	6890.8	6822.0	6892.6	7333.5	7075.1	6959.7	7206.0	8049.9
40°	8196.3	8186.0	7870.8	7584.9	7748.5	8029.3	8561.5	8165.3	7862.2	7772.7	8435.7
42.5°	8611.4	8573.5	8254.9	8025.8	8387.5	8964.5	9565.5	9079.9	8440.9	8287.6	8816.4
45°	9141.9	9129.8	8745.7	8201.5	8964.5	10011.6	10809.0	10021.9	8783.6	8587.3	9450.2
47.5°	9997.8	9939.3	9224.5	8187.7	9505.3	11406.7	12414.2	11208.6	9023.0	8594.2	10473.2
50°	10834.9	10762.5	9796.3	8186.0	10063.3	12853.4	14308.7	12650.1	9267.6	8635.5	11513.4
52.5°	11680.5	11680.5	10735.0	8380.6	10648.9	14468.9	16497.7	14446.5	9684.4	9176.3	12793.1
55°	12183.4	12317.7	11790.7	8709.6	11334.3	16370.3	18662.6	16385.8	10328.5	10152.8	13974.6
57.5°	11544.4	11795.9	11720.1	8480.5	11739.1	17767.0	20498.6	17856.6	10647.1	10268.2	13797.2
60°	9407.1	9756.7	9930.7	7323.1	11339.5	17928.9	20882.6	17953.0	9989.2	8744.0	11818.3
62.5°	6253.6	6541.2	6806.5	5232.3	9817.0	16129.2	18469.7	16134.3	8342.7	6525.7	8187.7
65°	3067.4	3280.9	3566.8	3093.2	7669.3	13476.8	14400.0	13037.7	6034.9	3653.0	4176.5
67.5°	802.6	862.9	902.5	1200.4	5494.1	9682.7	9391.6	9536.3	3876.9	1193.5	1091.9
70°	416.8	420.2	418.5	496.0	3713.2	6153.7	6472.3	5988.4	2705.7	499.5	430.6
72.5°	298.0	299.7	294.5	334.1	1792.9	3525.5	3653.0	3613.3	1417.4	296.2	294.5
75°	194.6	196.3	192.9	196.3	270.4	401.3	370.3	389.2	236.0	187.7	187.7
77.5°	115.4	117.1	115.4	118.8	115.4	115.4	106.8	106.8	101.6	101.6	103.3
80°	77.5	77.5	75.8	79.2	72.3	72.3	68.9	67.2	62.0	60.3	60.3
82.5°	46.5	48.2	46.5	46.5	43.1	43.1	39.6	37.9	32.7	32.7	31.0
85°	24.1	24.1	22.4	22.4	18.9	17.2	13.8	13.8	10.3	8.6	8.6
87.5°	3.4	3.4	1.7	1.7	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: P639859

CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4
2.5°	4128.3	4093.9	4042.2	3992.2	3945.7	3897.5	3842.4	3785.6	3737.3	3687.4	3661.6
5°	4378.0	4307.4	4173.1	4054.2	3947.5	3859.6	3764.9	3684.0	3608.2	3546.2	3515.2
7.5°	4603.7	4493.4	4290.2	4102.5	3957.8	3837.2	3706.3	3585.8	3484.2	3408.4	3379.1
10°	4812.1	4681.2	4414.2	4176.5	4007.7	3873.4	3713.2	3549.6	3415.3	3315.4	3291.3
12.5°	4980.8	4831.0	4512.4	4236.8	4037.0	3892.4	3751.1	3609.9	3477.3	3348.1	3327.4
15°	5130.7	4953.3	4586.4	4274.7	4026.7	3842.4	3723.6	3706.3	3706.3	3560.0	3518.6
17.5°	5259.8	5065.2	4646.7	4291.9	3961.2	3694.3	3622.0	3771.8	3940.6	3835.5	3742.5
20°	5408.0	5172.0	4696.7	4291.9	3840.7	3506.6	3499.7	3754.6	4004.3	4006.0	3907.9
22.5°	5557.8	5296.0	4755.2	4276.4	3675.3	3289.6	3417.0	3685.7	3907.9	4002.6	3935.4
25°	5800.6	5468.2	4848.2	4264.4	3482.5	3141.4	3342.9	3594.4	3782.1	3882.0	3839.0
27.5°	6108.9	5695.6	4989.4	4283.3	3291.3	3053.6	3263.7	3475.6	3646.1	3733.9	3702.9
30°	6453.4	5957.4	5141.0	4316.0	3153.5	3008.8	3169.0	3339.5	3491.1	3578.9	3565.1
32.5°	6892.6	6241.5	5271.9	4271.3	3076.0	2986.4	3069.1	3191.4	3337.8	3392.9	3404.9
35°	7417.9	6555.0	5371.8	4095.6	3005.4	2962.3	2960.6	3036.4	3139.7	3227.6	3236.2
37.5°	7901.8	6921.8	5482.0	3794.2	2877.9	2902.0	2833.2	2877.9	2979.5	3067.4	3101.8
40°	8380.6	7293.9	5635.3	3410.1	2710.9	2767.7	2686.8	2717.8	2798.7	2914.1	2969.2
42.5°	8845.6	7629.7	5797.2	3017.4	2543.8	2580.0	2519.7	2550.7	2635.1	2779.8	2841.8
45°	9352.0	8084.4	5922.9	2647.1	2399.1	2383.6	2335.4	2380.2	2507.6	2666.1	2740.1
47.5°	10309.6	8800.9	6005.6	2400.9	2321.6	2209.7	2154.6	2251.0	2395.7	2555.9	2645.4
50°	11479.0	9837.7	5981.5	2244.1	2254.5	2030.6	2011.6	2139.1	2294.1	2461.1	2559.3
52.5°	12405.6	10855.5	5707.6	2094.3	2123.6	1916.9	1861.8	2047.8	2195.9	2366.4	2468.0
55°	13113.4	11198.3	4867.2	1916.9	1910.0	1834.2	1718.8	1953.1	2097.7	2256.2	2366.4
57.5°	12536.5	10435.3	3608.2	1672.3	1631.0	1670.6	1558.7	1792.9	1977.2	2133.9	2232.1
60°	10404.3	8320.3	2009.9	1481.2	1364.0	1460.5	1443.3	1624.1	1846.3	2011.6	2096.0
62.5°	7063.1	5540.6	1191.8	1171.2	1105.7	1243.5	1334.8	1453.6	1672.3	1806.7	1885.9
65°	3520.3	2691.9	792.2	876.6	885.3	1023.0	1195.3	1326.2	1508.7	1646.5	1725.7
67.5°	1021.3	837.0	602.8	670.0	763.0	873.2	1011.0	1166.0	1343.4	1507.0	1600.0
70°	440.9	446.1	478.8	558.0	649.3	763.0	900.8	1052.3	1202.2	1327.9	1398.5
72.5°	311.7	323.8	360.0	440.9	527.0	635.5	773.3	919.7	1028.2	1155.6	1229.7
75°	199.8	208.4	237.7	299.7	363.4	468.5	599.4	733.7	845.6	936.9	1007.5
77.5°	110.2	111.9	136.1	172.2	215.3	282.5	378.9	484.0	566.6	618.3	682.0
80°	63.7	63.7	75.8	98.2	124.0	165.3	218.7	270.4	320.3	353.1	384.1
82.5°	34.4	34.4	39.6	53.4	67.2	91.3	122.3	148.1	179.1	196.3	217.0
85°	10.3	10.3	13.8	18.9	24.1	34.4	48.2	62.0	75.8	87.8	99.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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: P639859

CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4
2.5°	3656.4	3632.3	3618.5	3601.3	3606.5	3591.0	3582.3	3587.5	3556.5	3587.5	3618.5
5°	3503.1	3468.7	3441.1	3418.7	3408.4	3387.7	3375.7	3375.7	3356.7	3387.7	3425.6
7.5°	3368.8	3341.2	3327.4	3313.7	3298.2	3279.2	3258.6	3251.7	3239.6	3272.3	3305.1
10°	3279.2	3282.7	3291.3	3310.2	3306.8	3294.7	3263.7	3246.5	3246.5	3284.4	3334.3
12.5°	3320.6	3356.7	3377.4	3411.8	3418.7	3408.4	3377.4	3363.6	3398.1	3454.9	3537.6
15°	3480.7	3504.8	3522.1	3549.6	3547.9	3539.3	3515.2	3525.5	3639.2	3749.4	3823.5
17.5°	3654.7	3627.1	3623.7	3640.9	3646.1	3635.7	3622.0	3668.5	3856.2	3959.5	3997.4
20°	3780.4	3685.7	3665.0	3671.9	3685.7	3680.5	3680.5	3756.3	3950.9	3999.1	3950.9
22.5°	3818.3	3684.0	3653.0	3654.7	3673.6	3675.3	3684.0	3763.2	3876.9	3878.6	3804.5
25°	3758.0	3628.8	3606.5	3609.9	3632.3	3630.6	3634.0	3678.8	3728.7	3708.1	3653.0
27.5°	3644.3	3532.4	3525.5	3544.5	3573.7	3558.2	3547.9	3560.0	3584.1	3558.2	3510.0
30°	3515.2	3420.4	3423.9	3460.1	3491.1	3465.2	3439.4	3446.3	3448.0	3420.4	3365.3
32.5°	3379.1	3308.5	3320.6	3358.4	3394.6	3367.1	3339.5	3336.1	3303.3	3270.6	3217.2
35°	3243.1	3215.5	3231.0	3262.0	3293.0	3270.6	3253.4	3243.1	3172.4	3124.2	3079.4
37.5°	3119.0	3139.7	3167.3	3186.2	3196.6	3194.8	3184.5	3160.4	3067.4	3010.5	2952.0
40°	3008.8	3072.5	3101.8	3110.4	3125.9	3122.5	3120.8	3086.3	2964.0	2903.8	2836.6
42.5°	2908.9	2998.5	3048.4	3057.0	3065.7	3067.4	3062.2	3012.3	2872.8	2802.1	2738.4
45°	2812.5	2929.6	2993.3	2984.7	2996.8	2996.8	3001.9	2936.5	2783.2	2710.9	2643.7
47.5°	2728.1	2865.9	2924.4	2914.1	2921.0	2926.2	2931.3	2855.5	2685.0	2616.1	2547.3
50°	2650.6	2797.0	2846.9	2850.4	2850.4	2862.4	2860.7	2786.6	2602.4	2528.3	2459.4
52.5°	2567.9	2726.4	2779.8	2802.1	2809.0	2814.2	2790.1	2704.0	2518.0	2428.4	2364.7
55°	2471.5	2654.0	2702.3	2731.5	2745.3	2741.9	2709.1	2621.3	2431.9	2342.3	2270.0
57.5°	2325.1	2499.0	2567.9	2581.7	2604.1	2590.3	2552.4	2478.4	2294.1	2204.5	2130.5
60°	2164.9	2290.6	2345.7	2357.8	2340.6	2345.7	2340.6	2270.0	2109.8	2039.2	1963.4
62.5°	1954.8	2066.7	2125.3	2140.8	2111.5	2130.5	2123.6	2035.7	1875.6	1801.5	1734.3
65°	1796.3	1918.6	1987.5	1996.1	1987.5	1996.1	1972.0	1865.2	1713.7	1637.9	1569.0
67.5°	1672.3	1798.1	1870.4	1894.5	1885.9	1884.2	1846.3	1722.3	1565.6	1482.9	1395.0
70°	1458.8	1569.0	1662.0	1720.6	1720.6	1687.8	1615.5	1500.1	1374.4	1303.8	1234.9
72.5°	1291.7	1431.2	1522.5	1582.8	1594.8	1575.9	1474.3	1352.0	1207.3	1136.7	1064.4
75°	1064.4	1200.4	1298.6	1377.8	1393.3	1372.7	1255.5	1135.0	1000.6	931.8	859.4
77.5°	711.3	792.2	871.5	943.8	928.3	942.1	862.9	771.6	688.9	637.2	604.5
80°	401.3	454.7	478.8	518.4	518.4	518.4	466.7	423.7	377.2	347.9	315.2
82.5°	227.3	261.8	272.1	304.8	313.5	315.2	280.7	253.2	223.9	208.4	186.0
85°	105.1	124.0	125.7	144.7	151.6	165.3	149.8	130.9	113.7	106.8	93.0
87.5°	3.4	10.3	13.8	25.8	34.4	39.6	43.1	43.1	36.2	32.7	27.6
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: P639859
 CATALOG NUMBER: GWS-SA5C-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4	3861.4
2.5°	3656.4	3697.7	3746.0	3780.4	3842.4	3894.1	3947.5	4006.0	4049.1	4038.7
5°	3472.1	3541.0	3628.8	3709.8	3825.2	3942.3	4071.5	4204.1	4281.6	4278.1
7.5°	3368.8	3466.9	3573.7	3682.2	3818.3	3987.1	4185.1	4391.8	4496.9	4502.0
10°	3423.9	3529.0	3601.3	3692.6	3835.5	4047.4	4285.0	4533.0	4653.6	4677.7
12.5°	3597.8	3589.2	3584.1	3649.5	3821.7	4090.4	4381.5	4677.7	4813.8	4843.1
15°	3763.2	3585.8	3479.0	3523.8	3759.7	4118.0	4476.2	4836.2	4989.4	5020.4
17.5°	3794.2	3525.5	3327.4	3358.4	3661.6	4126.6	4567.5	4991.2	5156.5	5185.8
20°	3708.1	3448.0	3217.2	3174.2	3537.6	4104.2	4624.3	5120.3	5301.2	5332.2
22.5°	3599.6	3379.1	3134.5	3022.6	3386.0	4081.8	4688.0	5256.4	5464.8	5492.4
25°	3485.9	3291.3	3057.0	2886.5	3213.8	4068.0	4794.8	5435.5	5687.0	5719.7
27.5°	3365.3	3184.5	2989.9	2821.1	3055.3	4085.2	4946.4	5724.9	6010.8	6057.3
30°	3236.2	3077.7	2946.8	2798.7	2946.8	4100.7	5113.4	6021.1	6356.9	6422.4
32.5°	3101.8	2979.5	2902.0	2809.0	2879.7	4064.6	5259.8	6353.5	6770.3	6827.1
35°	2967.5	2879.7	2845.2	2828.0	2790.1	3932.0	5378.7	6689.3	7242.2	7292.1
37.5°	2841.8	2776.3	2766.0	2784.9	2652.3	3715.0	5516.5	7116.5	7705.5	7781.3
40°	2724.6	2664.4	2662.6	2659.2	2500.8	3418.7	5702.5	7550.5	8161.9	8196.3
42.5°	2616.1	2540.4	2554.1	2512.8	2376.7	3098.4	5878.1	7920.8	8587.3	8611.4
45°	2519.7	2419.8	2435.3	2383.6	2318.2	2762.5	6033.1	8358.2	9126.4	9141.9
47.5°	2426.7	2319.9	2276.9	2273.4	2307.9	2452.5	6184.7	9200.4	9970.3	9997.8
50°	2340.6	2225.2	2102.9	2178.7	2244.1	2220.0	6374.2	10102.9	10841.8	10834.9
52.5°	2257.9	2106.3	1932.4	2078.8	2078.8	2047.8	6320.8	10650.6	11561.7	11680.5
55°	2163.2	1915.2	1755.0	1911.7	1836.0	1892.8	5375.2	10829.7	12014.6	12183.4
57.5°	1975.5	1679.2	1539.7	1624.1	1510.4	1755.0	3861.4	9941.0	11244.8	11544.4
60°	1794.6	1505.3	1414.0	1398.5	1250.4	1431.2	2502.5	7783.0	9255.5	9407.1
62.5°	1582.8	1355.4	1277.9	1159.1	1005.8	1042.0	1515.6	5122.1	6219.2	6253.6
65°	1422.6	1228.0	1079.9	938.6	823.2	756.1	895.6	2469.7	3108.7	3067.4
67.5°	1221.1	1052.3	911.1	809.5	714.7	630.4	595.9	733.7	830.1	802.6
70°	1086.8	924.9	788.8	692.4	604.5	520.1	459.8	432.3	423.7	416.8
72.5°	936.9	795.7	654.5	561.5	478.8	401.3	346.2	313.5	304.8	298.0
75°	747.5	614.9	485.7	397.8	325.5	270.4	234.2	206.7	201.5	194.6
77.5°	494.3	394.4	289.3	236.0	192.9	163.6	139.5	122.3	118.8	115.4
80°	272.1	227.3	177.4	142.9	115.4	99.9	91.3	80.9	79.2	77.5
82.5°	161.9	136.1	101.6	80.9	67.2	60.3	55.1	49.9	48.2	46.5
85°	80.9	63.7	44.8	37.9	34.4	31.0	31.0	25.8	24.1	24.1
87.5°	20.7	17.2	10.3	8.6	8.6	8.6	6.9	5.2	5.2	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)