

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: P635899

Luminaire Tested: GWS-SA3E-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635899  
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-SA3E-760-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

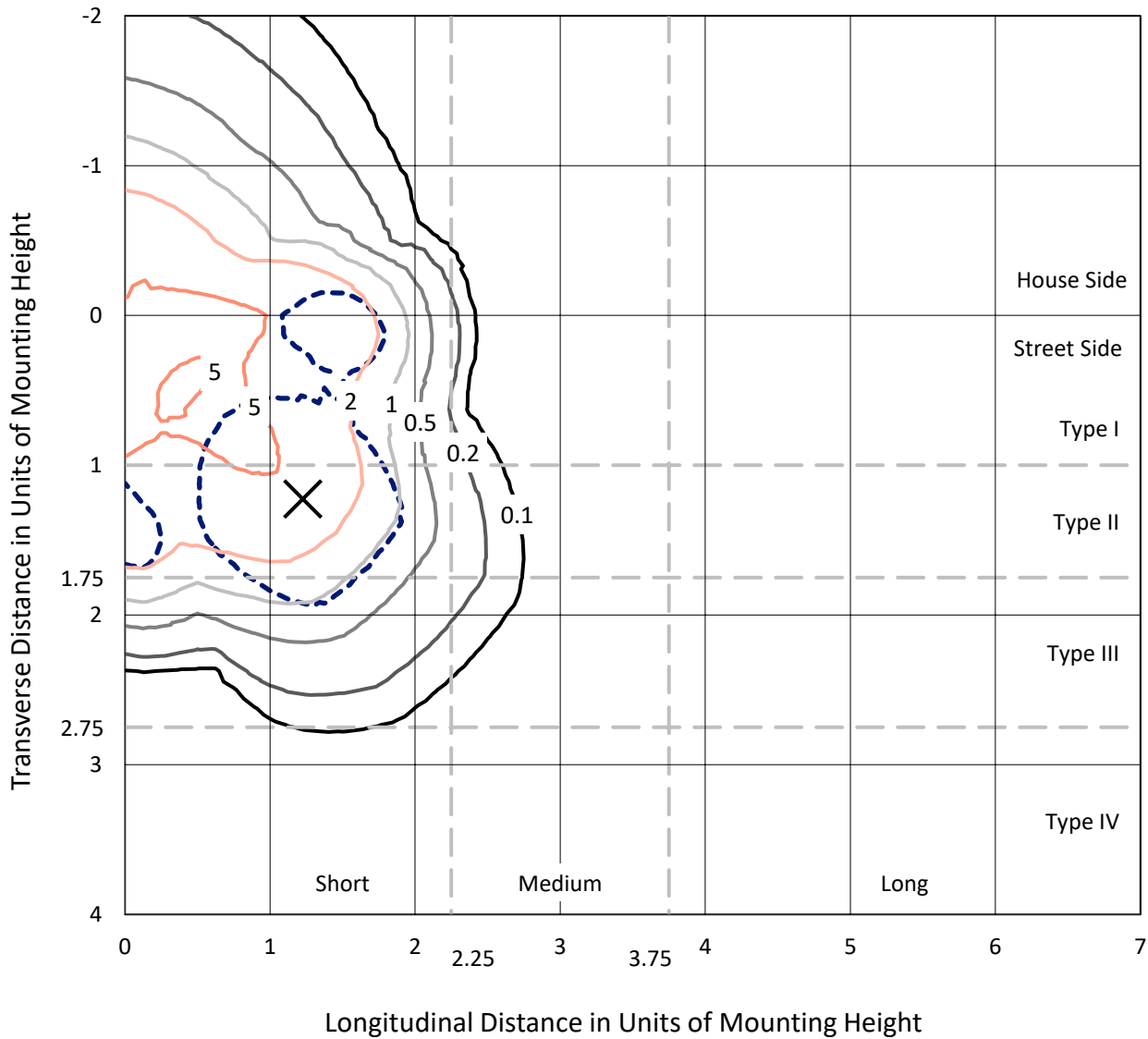
Lumens per Lamp: N/A  
Luminaire Lumens: 17359.1 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P635899  
 CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

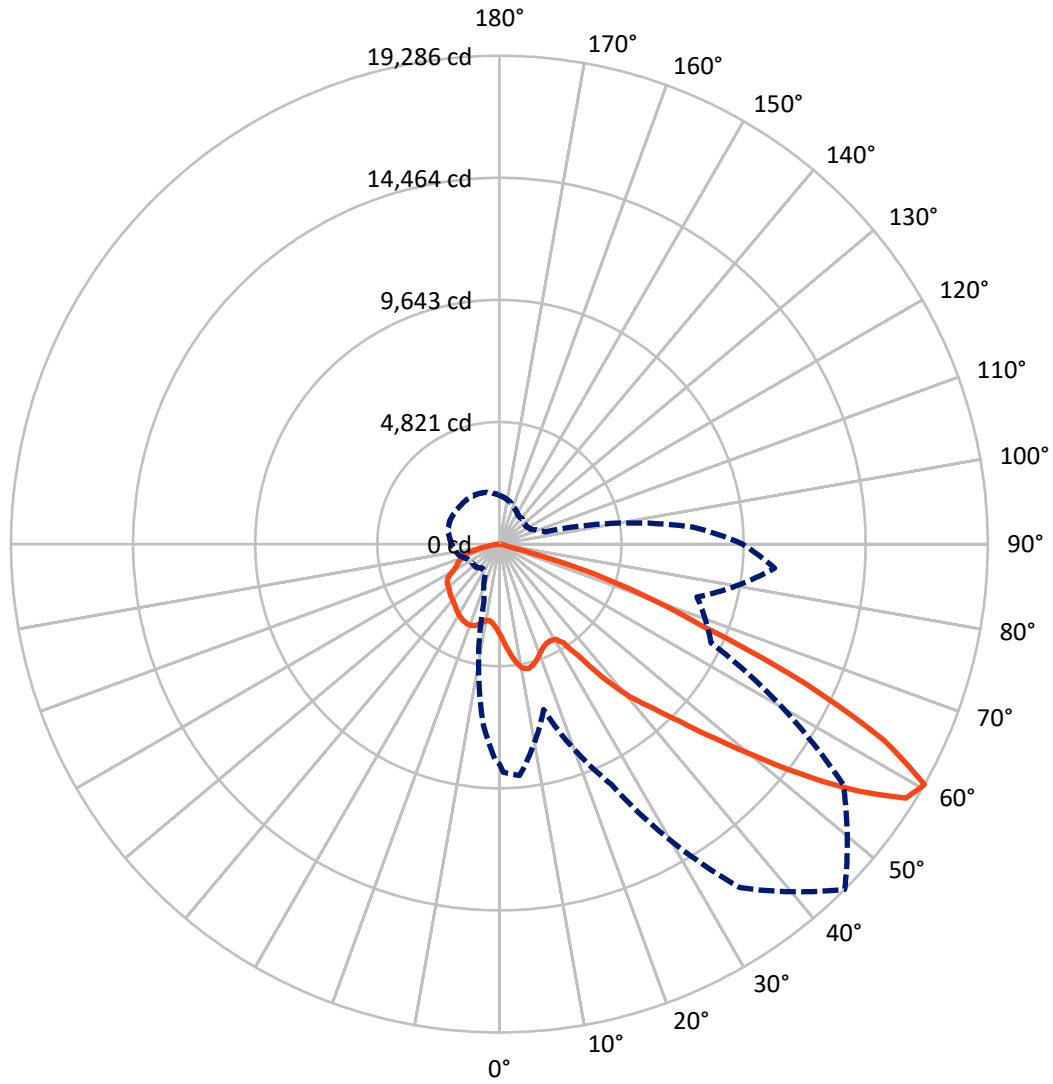
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P635899  
CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635899

CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6085.0	0.0	6085.0
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	11274.1	0.0	11274.1
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	17359.1	0.0	17359.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.9	2.0
10°-20°	1099.5	6.3
20°-30°	1786.0	10.3
30°-40°	2518.7	14.5
40°-50°	3480.8	20.1
50°-60°	4480.8	25.8
60°-70°	2839.1	16.4
70°-80°	728.5	4.2
80°-90°	77.9	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°	17359.1	100.0
0°-180°	17359.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635899

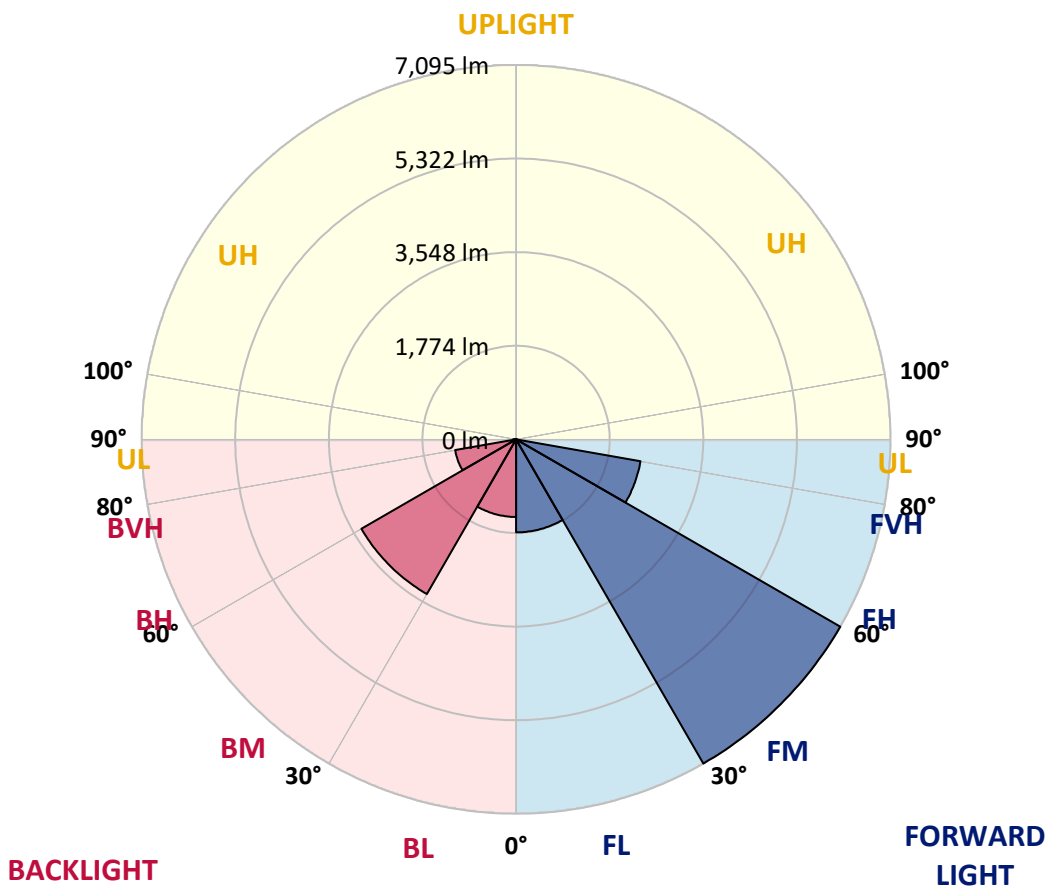
CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1762.6	10.2			
FM (30°-60°)	7095.4	40.9			
FH (60°-80°)	2395.0	13.8			G2/5000
FVH (80°-90°)	21.2	0.1			G1/100
BL (0°-30°)	1470.7	8.5	B3/2500		
BM (30°-60°)	3384.9	19.5	B3/5000		
BH (60°-80°)	1172.6	6.8	B3/2500		G3/2500
BVH (80°-90°)	56.7	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: P635899

CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1
2.5°	3729.9	3755.3	3771.3	3801.5	3855.6	3885.8	3919.2	3882.6	3892.1	3887.4	3828.5
5°	3951.0	3981.2	4022.6	4111.6	4211.8	4267.5	4320.0	4312.0	4262.7	4180.0	4121.2
7.5°	4157.8	4192.8	4264.3	4409.1	4557.0	4642.9	4706.5	4665.2	4623.8	4493.4	4345.4
10°	4320.0	4340.7	4437.7	4631.8	4803.5	4900.6	4978.5	4969.0	4911.7	4765.4	4566.5
12.5°	4472.7	4487.0	4592.0	4786.0	4940.3	4983.3	5046.9	5067.6	5048.5	4938.7	4743.1
15°	4636.5	4663.6	4760.6	4908.5	4978.5	4934.0	4956.2	5013.5	5067.6	5067.6	4887.8
17.5°	4789.2	4813.1	4911.7	4975.3	4908.5	4790.8	4797.2	4870.3	4999.2	5134.4	5019.9
20°	4924.4	4946.7	5043.7	4983.3	4771.7	4599.9	4595.2	4684.2	4892.6	5177.3	5161.4
22.5°	5072.3	5104.2	5185.3	4989.6	4644.5	4426.6	4425.0	4517.2	4798.8	5220.3	5323.7
25°	5282.3	5331.6	5373.0	5045.3	4576.1	4313.6	4334.3	4421.8	4768.5	5290.3	5563.8
27.5°	5594.1	5633.8	5630.6	5161.4	4572.9	4267.5	4310.5	4412.3	4822.6	5414.3	5816.7
30°	5931.3	5951.9	5918.5	5323.7	4646.1	4296.1	4359.8	4480.6	4959.4	5619.5	6188.9
32.5°	6305.0	6330.5	6266.9	5567.0	4816.3	4507.7	4647.7	4706.5	5151.9	5915.3	6583.4
35°	6734.5	6783.8	6651.8	5888.3	5317.3	5279.1	5482.7	5406.4	5560.6	6265.3	7004.9
37.5°	7186.2	7187.8	6998.5	6363.9	6300.3	6365.5	6772.7	6534.1	6427.5	6655.0	7434.3
40°	7569.5	7560.0	7268.9	7004.9	7156.0	7415.3	7906.7	7540.9	7261.0	7178.3	7790.6
42.5°	7952.9	7917.9	7623.6	7412.1	7746.1	8278.9	8834.1	8385.5	7795.4	7653.8	8142.2
45°	8442.8	8431.6	8076.9	7574.3	8278.9	9246.0	9982.4	9255.6	8111.9	7930.6	8727.5
47.5°	9233.3	9179.2	8519.1	7561.6	8778.4	10534.4	11464.9	10351.5	8333.0	7937.0	9672.3
50°	10006.3	9939.5	9047.2	7560.0	9293.7	11870.5	13214.5	11682.8	8558.9	7975.1	10633.0
52.5°	10787.3	10787.3	9914.1	7739.7	9834.5	13362.4	15236.1	13341.7	8943.8	8474.6	11814.8
55°	11251.7	11375.8	10889.1	8043.5	10467.6	15118.4	17235.5	15132.7	9538.7	9376.4	12905.9
57.5°	10661.6	10893.8	10823.9	7832.0	10841.4	16408.4	18931.0	16491.1	9832.9	9483.0	12742.1
60°	8687.7	9010.6	9171.3	6763.1	10472.3	16557.9	19285.7	16580.1	9225.3	8075.3	10914.5
62.5°	5775.4	6041.0	6286.0	4832.2	9066.3	14895.7	17057.3	14900.5	7704.7	6026.7	7561.6
65°	2832.8	3030.0	3294.1	2856.7	7082.8	12446.2	13298.8	12040.6	5573.4	3373.6	3857.1
67.5°	741.2	796.9	833.5	1108.6	5073.9	8942.2	8673.4	8807.0	3580.4	1102.3	1008.4
70°	384.9	388.1	386.5	458.1	3429.3	5683.1	5977.4	5530.4	2498.8	461.3	397.6
72.5°	275.2	276.8	272.0	308.6	1655.8	3255.9	3373.6	3337.0	1309.0	273.6	272.0
75°	179.7	181.3	178.1	181.3	249.7	370.6	342.0	359.5	217.9	173.4	173.4
77.5°	106.6	108.2	106.6	109.7	106.6	106.6	98.6	98.6	93.8	93.8	95.4
80°	71.6	71.6	70.0	73.2	66.8	66.8	63.6	62.0	57.3	55.7	55.7
82.5°	42.9	44.5	42.9	42.9	39.8	39.8	36.6	35.0	30.2	30.2	28.6
85°	22.3	22.3	20.7	20.7	17.5	15.9	12.7	12.7	9.5	8.0	8.0
87.5°	3.2	3.2	1.6	1.6	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: P635899

CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1
2.5°	3812.6	3780.8	3733.1	3687.0	3644.0	3599.5	3548.6	3496.1	3451.5	3405.4	3381.6
5°	4043.2	3978.0	3854.0	3744.2	3645.6	3564.5	3477.0	3402.2	3332.3	3275.0	3246.4
7.5°	4251.6	4149.8	3962.1	3788.7	3655.1	3543.8	3422.9	3311.6	3217.7	3147.7	3120.7
10°	4444.1	4323.2	4076.6	3857.1	3701.3	3577.2	3429.3	3278.2	3154.1	3061.9	3039.6
12.5°	4599.9	4461.6	4167.3	3912.8	3728.3	3594.7	3464.3	3333.8	3211.4	3092.1	3073.0
15°	4738.3	4574.5	4235.7	3947.8	3718.8	3548.6	3438.8	3422.9	3422.9	3287.7	3249.5
17.5°	4857.6	4677.9	4291.4	3963.7	3658.3	3411.8	3345.0	3483.4	3639.2	3542.2	3456.3
20°	4994.4	4776.5	4337.5	3963.7	3547.0	3238.4	3232.0	3467.5	3698.1	3699.7	3609.0
22.5°	5132.8	4891.0	4391.6	3949.4	3394.3	3038.0	3155.7	3403.8	3609.0	3696.5	3634.5
25°	5357.1	5050.1	4477.5	3938.3	3216.1	2901.2	3087.3	3319.5	3492.9	3585.2	3545.4
27.5°	5641.8	5260.0	4607.9	3955.8	3039.6	2820.1	3014.1	3209.8	3367.2	3448.4	3419.7
30°	5959.9	5501.8	4747.9	3986.0	2912.3	2778.7	2926.7	3084.1	3224.1	3305.2	3292.5
32.5°	6365.5	5764.2	4868.7	3944.6	2840.8	2758.1	2834.4	2947.3	3082.5	3133.4	3144.6
35°	6850.6	6053.7	4961.0	3782.4	2775.6	2735.8	2734.2	2804.2	2899.6	2980.7	2988.7
37.5°	7297.6	6392.5	5062.8	3504.0	2657.8	2680.1	2616.5	2657.8	2751.7	2832.8	2864.6
40°	7739.7	6736.1	5204.4	3149.3	2503.6	2556.1	2481.3	2509.9	2584.7	2691.3	2742.2
42.5°	8169.2	7046.2	5353.9	2786.7	2349.3	2382.7	2327.0	2355.6	2433.6	2567.2	2624.4
45°	8636.8	7466.2	5470.0	2444.7	2215.7	2201.4	2156.8	2198.2	2315.9	2462.2	2530.6
47.5°	9521.2	8127.8	5546.3	2217.3	2144.1	2040.7	1989.8	2078.9	2212.5	2360.4	2443.1
50°	10601.2	9085.4	5524.1	2072.5	2082.1	1875.3	1857.8	1975.5	2118.6	2272.9	2363.6
52.5°	11456.9	10025.4	5271.2	1934.1	1961.2	1770.3	1719.4	1891.2	2028.0	2185.4	2279.3
55°	12110.6	10341.9	4495.0	1770.3	1763.9	1694.0	1587.4	1803.7	1937.3	2083.7	2185.4
57.5°	11577.8	9637.3	3332.3	1544.4	1506.3	1542.9	1439.5	1655.8	1826.0	1970.7	2061.4
60°	9608.7	7684.1	1856.2	1367.9	1259.7	1348.8	1332.9	1499.9	1705.1	1857.8	1935.7
62.5°	6522.9	5116.9	1100.7	1081.6	1021.1	1148.4	1232.7	1342.4	1544.4	1668.5	1741.7
65°	3251.1	2486.1	731.7	809.6	817.6	944.8	1103.9	1224.7	1393.3	1520.6	1593.8
67.5°	943.2	773.0	556.7	618.7	704.6	806.4	933.7	1076.8	1240.6	1391.8	1477.6
70°	407.2	412.0	442.2	515.3	599.6	704.6	831.9	971.8	1110.2	1226.3	1291.5
72.5°	287.9	299.0	332.4	407.2	486.7	586.9	714.2	849.4	949.6	1067.3	1135.7
75°	184.5	192.5	219.5	276.8	335.6	432.6	553.5	677.6	781.0	865.3	930.5
77.5°	101.8	103.4	125.7	159.1	198.8	260.9	349.9	447.0	523.3	571.0	629.9
80°	58.9	58.9	70.0	90.7	114.5	152.7	202.0	249.7	295.8	326.1	354.7
82.5°	31.8	31.8	36.6	49.3	62.0	84.3	112.9	136.8	165.4	181.3	200.4
85°	9.5	9.5	12.7	17.5	22.3	31.8	44.5	57.3	70.0	81.1	92.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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: P635899

CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1
2.5°	3376.8	3354.5	3341.8	3325.9	3330.7	3316.3	3308.4	3313.2	3284.5	3313.2	3341.8
5°	3235.2	3203.4	3178.0	3157.3	3147.7	3128.7	3117.5	3117.5	3100.0	3128.7	3163.7
7.5°	3111.2	3085.7	3073.0	3060.3	3046.0	3028.5	3009.4	3003.0	2991.9	3022.1	3052.3
10°	3028.5	3031.6	3039.6	3057.1	3053.9	3042.8	3014.1	2998.2	2998.2	3033.2	3079.4
12.5°	3066.6	3100.0	3119.1	3150.9	3157.3	3147.7	3119.1	3106.4	3138.2	3190.7	3267.0
15°	3214.6	3236.8	3252.7	3278.2	3276.6	3268.6	3246.4	3255.9	3360.9	3462.7	3531.1
17.5°	3375.2	3349.7	3346.6	3362.5	3367.2	3357.7	3345.0	3387.9	3561.3	3656.7	3691.7
20°	3491.3	3403.8	3384.7	3391.1	3403.8	3399.1	3399.1	3469.0	3648.8	3693.3	3648.8
22.5°	3526.3	3402.2	3373.6	3375.2	3392.7	3394.3	3402.2	3475.4	3580.4	3582.0	3513.6
25°	3470.6	3351.3	3330.7	3333.8	3354.5	3352.9	3356.1	3397.5	3443.6	3424.5	3373.6
27.5°	3365.7	3262.3	3255.9	3273.4	3300.4	3286.1	3276.6	3287.7	3310.0	3286.1	3241.6
30°	3246.4	3158.9	3162.1	3195.5	3224.1	3200.2	3176.4	3182.7	3184.3	3158.9	3108.0
32.5°	3120.7	3055.5	3066.6	3101.6	3135.0	3109.6	3084.1	3080.9	3050.7	3020.5	2971.2
35°	2995.1	2969.6	2983.9	3012.5	3041.2	3020.5	3004.6	2995.1	2929.8	2885.3	2843.9
37.5°	2880.5	2899.6	2925.1	2942.6	2952.1	2950.5	2941.0	2918.7	2832.8	2780.3	2726.2
40°	2778.7	2837.6	2864.6	2872.6	2886.9	2883.7	2882.1	2850.3	2737.4	2681.7	2619.7
42.5°	2686.5	2769.2	2815.3	2823.3	2831.2	2832.8	2828.0	2781.9	2653.1	2587.9	2529.0
45°	2597.4	2705.6	2764.4	2756.5	2767.6	2767.6	2772.4	2711.9	2570.4	2503.6	2441.5
47.5°	2519.5	2646.7	2700.8	2691.3	2697.6	2702.4	2707.2	2637.2	2479.7	2416.1	2352.5
50°	2447.9	2583.1	2629.2	2632.4	2632.4	2643.5	2641.9	2573.5	2403.4	2335.0	2271.3
52.5°	2371.5	2517.9	2567.2	2587.9	2594.2	2599.0	2576.7	2497.2	2325.4	2242.7	2183.9
55°	2282.5	2451.1	2495.6	2522.7	2535.4	2532.2	2502.0	2420.9	2245.9	2163.2	2096.4
57.5°	2147.3	2307.9	2371.5	2384.3	2404.9	2392.2	2357.2	2288.8	2118.6	2035.9	1967.5
60°	1999.4	2115.5	2166.4	2177.5	2161.6	2166.4	2161.6	2096.4	1948.5	1883.2	1813.3
62.5°	1805.3	1908.7	1962.8	1977.1	1950.0	1967.5	1961.2	1880.1	1732.1	1663.7	1601.7
65°	1659.0	1771.9	1835.5	1843.5	1835.5	1843.5	1821.2	1722.6	1582.6	1512.6	1449.0
67.5°	1544.4	1660.6	1727.4	1749.6	1741.7	1740.1	1705.1	1590.6	1445.8	1369.5	1288.4
70°	1347.2	1449.0	1534.9	1589.0	1589.0	1558.8	1492.0	1385.4	1269.3	1204.1	1140.4
72.5°	1192.9	1321.8	1406.1	1461.7	1472.9	1455.4	1361.5	1248.6	1115.0	1049.8	983.0
75°	983.0	1108.6	1199.3	1272.5	1286.8	1267.7	1159.5	1048.2	924.1	860.5	793.7
77.5°	656.9	731.7	804.8	871.6	857.3	870.0	796.9	712.6	636.2	588.5	558.3
80°	370.6	419.9	442.2	478.8	478.8	478.8	431.0	391.3	348.3	321.3	291.1
82.5°	210.0	241.8	251.3	281.5	289.5	291.1	259.3	233.8	206.8	192.5	171.8
85°	97.0	114.5	116.1	133.6	140.0	152.7	138.4	120.9	105.0	98.6	85.9
87.5°	3.2	9.5	12.7	23.9	31.8	36.6	39.8	39.8	33.4	30.2	25.4
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: P635899

CATALOG NUMBER: GWS-SA3E-760-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1	3566.1
2.5°	3376.8	3415.0	3459.5	3491.3	3548.6	3596.3	3645.6	3699.7	3739.4	3729.9
5°	3206.6	3270.2	3351.3	3426.1	3532.7	3640.8	3760.1	3882.6	3954.2	3951.0
7.5°	3111.2	3201.8	3300.4	3400.6	3526.3	3682.2	3865.1	4056.0	4153.0	4157.8
10°	3162.1	3259.1	3325.9	3410.2	3542.2	3737.8	3957.3	4186.4	4297.7	4320.0
12.5°	3322.7	3314.8	3310.0	3370.4	3529.5	3777.6	4046.4	4320.0	4445.7	4472.7
15°	3475.4	3311.6	3213.0	3254.3	3472.2	3803.1	4133.9	4466.3	4607.9	4636.5
17.5°	3504.0	3255.9	3073.0	3101.6	3381.6	3811.0	4218.2	4609.5	4762.2	4789.2
20°	3424.5	3184.3	2971.2	2931.4	3267.0	3790.3	4270.7	4728.8	4895.8	4924.4
22.5°	3324.3	3120.7	2894.8	2791.5	3127.1	3769.7	4329.5	4854.4	5046.9	5072.3
25°	3219.3	3039.6	2823.3	2665.8	2968.0	3756.9	4428.2	5019.9	5252.1	5282.3
27.5°	3108.0	2941.0	2761.2	2605.4	2821.7	3772.8	4568.1	5287.1	5551.1	5594.1
30°	2988.7	2842.4	2721.5	2584.7	2721.5	3787.2	4722.4	5560.6	5870.8	5931.3
32.5°	2864.6	2751.7	2680.1	2594.2	2659.4	3753.8	4857.6	5867.6	6252.5	6305.0
35°	2740.6	2659.4	2627.6	2611.7	2576.7	3631.3	4967.4	6177.8	6688.4	6734.5
37.5°	2624.4	2564.0	2554.5	2572.0	2449.5	3430.9	5094.6	6572.3	7116.2	7186.2
40°	2516.3	2460.6	2459.0	2455.8	2309.5	3157.3	5266.4	6973.1	7537.7	7569.5
42.5°	2416.1	2346.1	2358.8	2320.6	2195.0	2861.4	5428.6	7315.1	7930.6	7952.9
45°	2327.0	2234.8	2249.1	2201.4	2140.9	2551.3	5571.8	7719.1	8428.5	8442.8
47.5°	2241.1	2142.5	2102.7	2099.6	2131.4	2265.0	5711.8	8496.8	9207.8	9233.3
50°	2161.6	2055.0	1942.1	2012.1	2072.5	2050.3	5886.7	9330.3	10012.7	10006.3
52.5°	2085.2	1945.3	1784.6	1919.8	1919.8	1891.2	5837.4	9836.1	10677.5	10787.3
55°	1997.8	1768.7	1620.8	1765.5	1695.6	1748.0	4964.2	10001.5	11095.8	11251.7
57.5°	1824.4	1550.8	1422.0	1499.9	1394.9	1620.8	3566.1	9180.8	10384.9	10661.6
60°	1657.4	1390.2	1305.9	1291.5	1154.8	1321.8	2311.1	7187.8	8547.7	8687.7
62.5°	1461.7	1251.8	1180.2	1070.5	928.9	962.3	1399.7	4730.4	5743.6	5775.4
65°	1313.8	1134.1	997.3	866.9	760.3	698.3	827.1	2280.9	2871.0	2832.8
67.5°	1127.7	971.8	841.4	747.6	660.1	582.2	550.3	677.6	766.7	741.2
70°	1003.7	854.1	728.5	639.4	558.3	480.4	424.7	399.2	391.3	384.9
72.5°	865.3	734.8	604.4	518.5	442.2	370.6	319.7	289.5	281.5	275.2
75°	690.3	567.8	448.5	367.4	300.6	249.7	216.3	190.9	186.1	179.7
77.5°	456.5	364.2	267.2	217.9	178.1	151.1	128.8	112.9	109.7	106.6
80°	251.3	210.0	163.8	132.0	106.6	92.3	84.3	74.8	73.2	71.6
82.5°	149.5	125.7	93.8	74.8	62.0	55.7	50.9	46.1	44.5	42.9
85°	74.8	58.9	41.4	35.0	31.8	28.6	28.6	23.9	22.3	22.3
87.5°	19.1	15.9	9.5	8.0	8.0	8.0	6.4	4.8	4.8	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)