

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: P637329

Luminaire Tested: GWS-SA4C-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637329  
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-SA4C-750-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

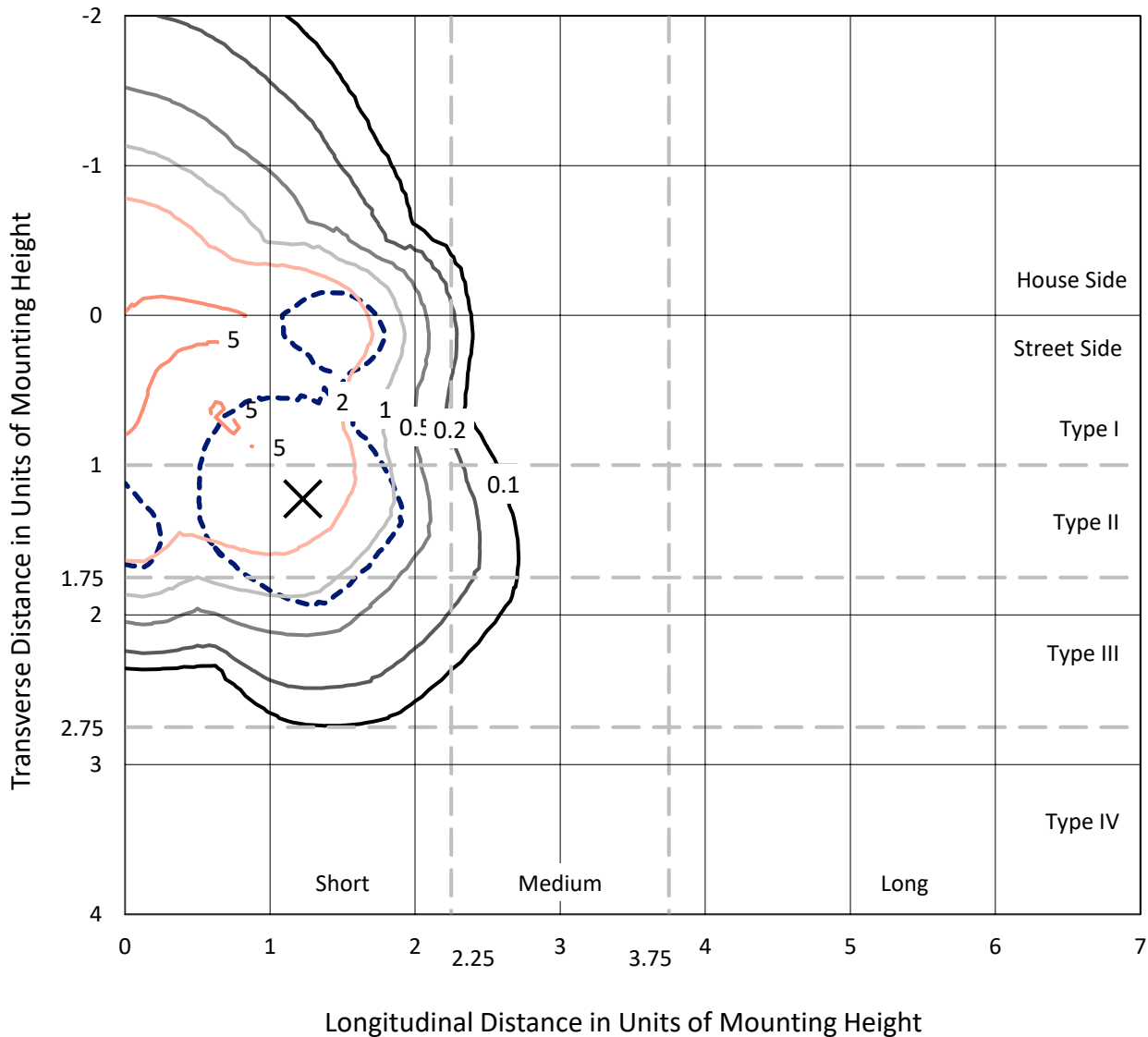
Lumens per Lamp: N/A  
Luminaire Lumens: 15535.6 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

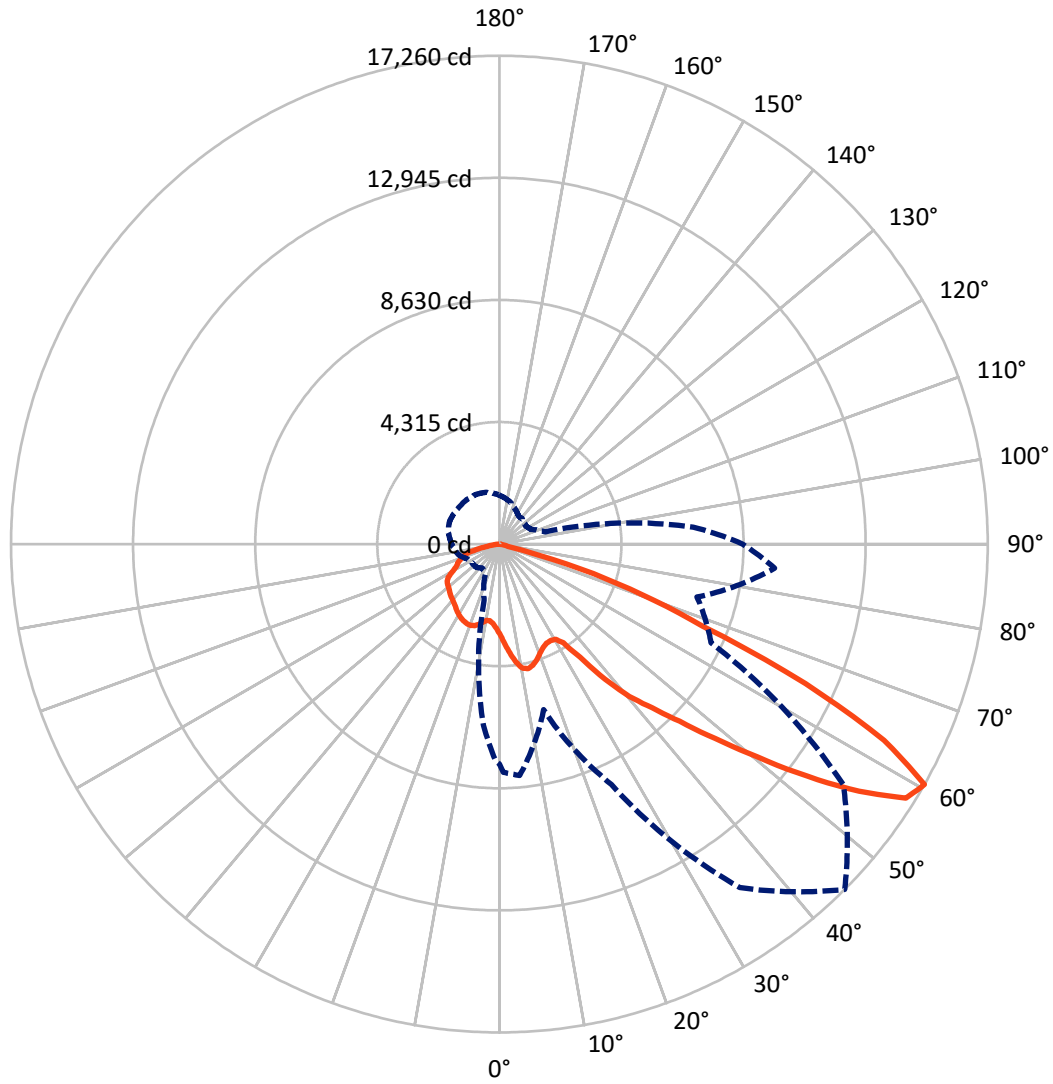
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5445.8	0.0	5445.8
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	10089.8	0.0	10089.8
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	15535.6	0.0	15535.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.4	2.0
10°-20°	984.0	6.3
20°-30°	1598.3	10.3
30°-40°	2254.1	14.5
40°-50°	3115.1	20.1
50°-60°	4010.1	25.8
60°-70°	2540.8	16.4
70°-80°	652.0	4.2
80°-90°	69.7	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°	15535.6	100.0
0°-180°	15535.6	100.0

**Coefficient of Utilization**



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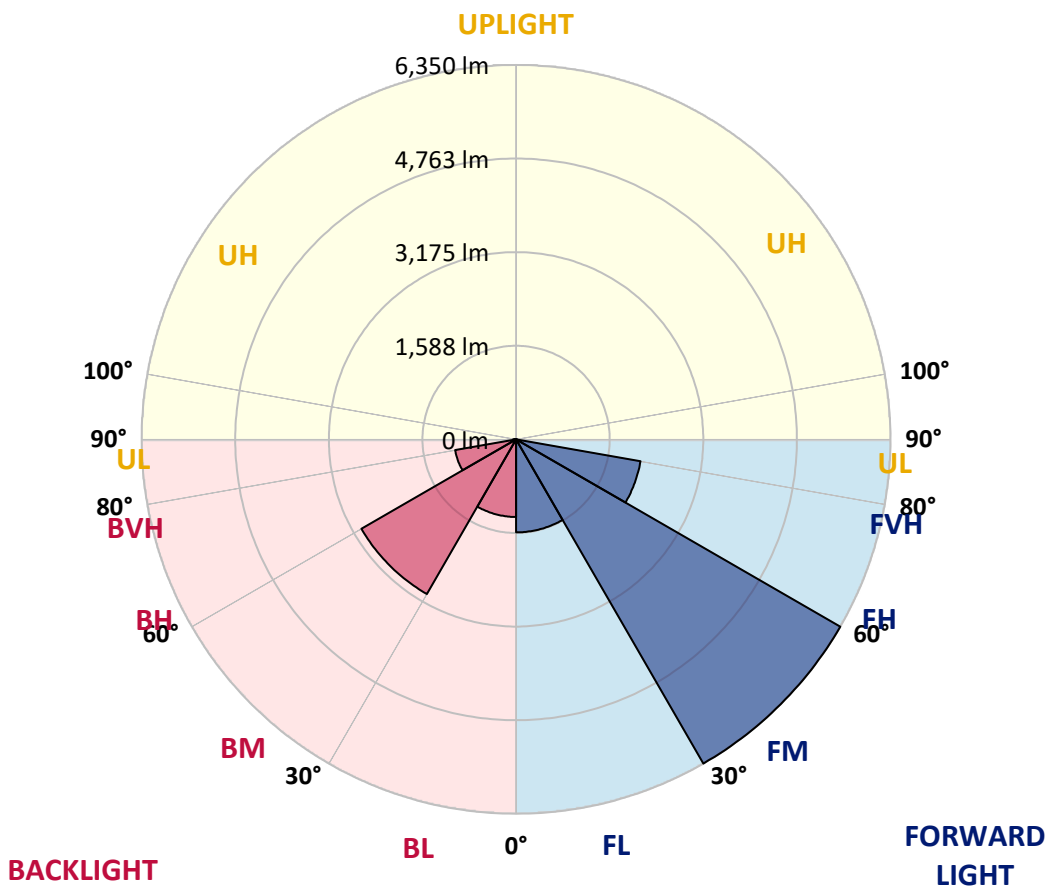
CATALOG NUMBER: GWS-SA4C-750-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1577.5	10.2			
FM (30°-60°)	6350.1	40.9			
FH (60°-80°)	2143.4	13.8			G2/5000
FVH (80°-90°)	18.9	0.1			G1/100
BL (0°-30°)	1316.2	8.5	B3/2500		
BM (30°-60°)	3029.3	19.5	B3/5000		
BH (60°-80°)	1049.5	6.8	B3/2500		G3/2500
BVH (80°-90°)	50.8	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5
2.5°	3338.1	3360.9	3375.1	3402.1	3450.5	3477.6	3507.5	3474.7	3483.3	3479.0	3426.3
5°	3536.0	3563.0	3600.0	3679.7	3769.4	3819.2	3866.2	3859.1	3815.0	3740.9	3688.3
7.5°	3721.0	3752.3	3816.4	3945.9	4078.3	4155.2	4212.1	4175.1	4138.1	4021.4	3889.0
10°	3866.2	3884.7	3971.5	4145.2	4298.9	4385.8	4455.5	4447.0	4395.7	4264.8	4086.8
12.5°	4002.9	4015.7	4109.6	4283.3	4421.4	4459.8	4516.7	4535.2	4518.2	4419.9	4244.9
15°	4149.5	4173.7	4260.5	4392.9	4455.5	4415.7	4435.6	4486.8	4535.2	4535.2	4374.4
17.5°	4286.1	4307.5	4395.7	4452.7	4392.9	4287.6	4293.2	4358.7	4474.0	4595.0	4492.5
20°	4407.1	4427.1	4513.9	4459.8	4270.5	4116.7	4112.5	4192.2	4378.7	4633.5	4619.2
22.5°	4539.5	4568.0	4640.6	4465.5	4156.6	3961.6	3960.2	4042.7	4294.7	4671.9	4764.4
25°	4727.4	4771.5	4808.6	4515.3	4095.4	3860.5	3879.0	3957.3	4267.6	4734.5	4979.4
27.5°	5006.4	5042.0	5039.2	4619.2	4092.5	3819.2	3857.7	3948.8	4316.0	4845.6	5205.7
30°	5308.2	5326.7	5296.8	4764.4	4158.0	3844.9	3901.8	4010.0	4438.4	5029.2	5538.8
32.5°	5642.7	5665.5	5608.6	4982.2	4310.3	4034.2	4159.4	4212.1	4610.7	5294.0	5891.8
35°	6027.1	6071.2	5953.0	5269.8	4758.7	4724.6	4906.8	4838.4	4976.5	5607.1	6269.1
37.5°	6431.3	6432.8	6263.4	5695.4	5638.4	5696.8	6061.2	5847.7	5752.3	5955.9	6653.4
40°	6774.4	6765.9	6505.4	6269.1	6404.3	6636.3	7076.2	6748.8	6498.2	6424.2	6972.3
42.5°	7117.5	7086.1	6822.8	6633.5	6932.4	7409.3	7906.1	7504.6	6976.5	6849.8	7286.9
45°	7555.9	7545.9	7228.5	6778.7	7409.3	8274.8	8933.8	8283.3	7259.8	7097.5	7810.7
47.5°	8263.4	8215.0	7624.2	6767.3	7856.2	9427.8	10260.5	9264.1	7457.7	7103.2	8656.3
50°	8955.2	8895.4	8096.8	6765.9	8317.5	10623.5	11826.4	10455.5	7659.8	7137.4	9516.0
52.5°	9654.1	9654.1	8872.6	6926.7	8801.4	11958.8	13635.6	11940.2	8004.3	7584.4	10573.7
55°	10069.8	10180.8	9745.2	7198.6	9368.0	13530.3	15425.0	13543.1	8536.7	8391.5	11550.2
57.5°	9541.7	9749.5	9686.9	7009.3	9702.5	14684.7	16942.4	14758.8	8800.0	8486.9	11403.6
60°	7775.1	8064.1	8207.9	6052.7	9372.3	14818.5	17259.8	14838.5	8256.2	7227.1	9768.0
62.5°	5168.7	5406.4	5625.6	4324.6	8113.9	13331.0	15265.5	13335.3	6895.4	5393.6	6767.3
65°	2535.2	2711.8	2948.1	2556.6	6338.8	11138.8	11901.8	10775.8	4987.9	3019.2	3452.0
67.5°	663.3	713.2	745.9	992.2	4540.9	8002.9	7762.3	7881.9	3204.3	986.5	902.5
70°	344.5	347.3	345.9	410.0	3069.0	5086.1	5349.5	4949.5	2236.3	412.8	355.9
72.5°	246.3	247.7	243.4	276.2	1481.9	2913.9	3019.2	2986.5	1171.5	244.8	243.4
75°	160.9	162.3	159.4	162.3	223.5	331.7	306.1	321.7	195.0	155.2	155.2
77.5°	95.4	96.8	95.4	98.2	95.4	95.4	88.3	88.3	84.0	84.0	85.4
80°	64.1	64.1	62.6	65.5	59.8	59.8	56.9	55.5	51.2	49.8	49.8
82.5°	38.4	39.9	38.4	38.4	35.6	35.6	32.7	31.3	27.0	27.0	25.6
85°	19.9	19.9	18.5	18.5	15.7	14.2	11.4	11.4	8.5	7.1	7.1
87.5°	2.8	2.8	1.4	1.4	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5
2.5°	3412.1	3383.6	3340.9	3299.7	3261.2	3221.4	3175.8	3128.8	3089.0	3047.7	3026.3
5°	3618.5	3560.2	3449.1	3350.9	3262.6	3190.0	3111.8	3044.8	2982.2	2931.0	2905.3
7.5°	3805.0	3713.9	3545.9	3390.8	3271.2	3171.5	3063.4	2963.7	2879.7	2817.1	2792.9
10°	3977.2	3869.0	3648.4	3452.0	3312.5	3201.4	3069.0	2933.8	2822.8	2740.2	2720.3
12.5°	4116.7	3992.9	3729.5	3501.8	3336.7	3217.1	3100.4	2983.6	2874.0	2767.3	2750.2
15°	4240.6	4094.0	3790.8	3533.1	3328.1	3175.8	3077.6	3063.4	3063.4	2942.4	2908.2
17.5°	4347.3	4186.5	3840.6	3547.3	3274.0	3053.4	2993.6	3117.4	3256.9	3170.1	3093.2
20°	4469.8	4274.7	3881.9	3547.3	3174.4	2898.2	2892.5	3103.2	3309.6	3311.0	3229.9
22.5°	4593.6	4377.2	3930.3	3534.5	3037.7	2718.9	2824.2	3046.3	3229.9	3308.2	3252.7
25°	4794.3	4519.6	4007.1	3524.6	2878.3	2596.4	2763.0	2970.8	3126.0	3208.5	3173.0
27.5°	5049.1	4707.5	4123.9	3540.2	2720.3	2523.9	2697.5	2872.6	3013.5	3086.1	3060.5
30°	5333.8	4923.9	4249.1	3567.3	2606.4	2486.8	2619.2	2760.1	2885.4	2958.0	2946.6
32.5°	5696.8	5158.7	4357.3	3530.3	2542.4	2468.3	2536.7	2637.7	2758.7	2804.3	2814.2
35°	6131.0	5417.8	4439.9	3385.1	2484.0	2448.4	2447.0	2509.6	2595.0	2667.6	2674.7
37.5°	6531.0	5721.0	4531.0	3136.0	2378.7	2398.6	2341.6	2378.7	2462.6	2535.2	2563.7
40°	6926.7	6028.5	4657.7	2818.5	2240.6	2287.6	2220.6	2246.3	2313.2	2408.5	2454.1
42.5°	7311.1	6306.1	4791.5	2494.0	2102.5	2132.4	2082.6	2108.2	2177.9	2297.5	2348.8
45°	7729.6	6681.9	4895.4	2187.9	1982.9	1970.1	1930.3	1967.3	2072.6	2203.6	2264.8
47.5°	8521.0	7274.0	4963.7	1984.3	1918.9	1826.3	1780.8	1860.5	1980.1	2112.5	2186.5
50°	9487.6	8131.0	4943.8	1854.8	1863.4	1678.3	1662.6	1768.0	1896.1	2034.2	2115.3
52.5°	10253.4	8972.3	4717.5	1731.0	1755.2	1584.3	1538.8	1692.5	1815.0	1955.9	2039.9
55°	10838.5	9255.5	4022.8	1584.3	1578.7	1516.0	1420.6	1614.2	1733.8	1864.8	1955.9
57.5°	10361.6	8624.9	2982.2	1382.2	1348.0	1380.8	1288.3	1481.9	1634.2	1763.7	1844.8
60°	8599.3	6876.9	1661.2	1224.2	1127.4	1207.1	1192.9	1342.4	1526.0	1662.6	1732.4
62.5°	5837.7	4579.4	985.1	968.0	913.9	1027.8	1103.2	1201.4	1382.2	1493.2	1558.7
65°	2909.6	2224.9	654.8	724.6	731.7	845.6	987.9	1096.1	1247.0	1360.9	1426.3
67.5°	844.1	691.8	498.2	553.7	630.6	721.7	835.6	963.7	1110.3	1245.6	1322.4
70°	364.4	368.7	395.7	461.2	536.7	630.6	744.5	869.8	993.6	1097.5	1155.9
72.5°	257.7	267.6	297.5	364.4	435.6	525.3	639.1	760.1	849.8	955.2	1016.4
75°	165.1	172.2	196.4	247.7	300.4	387.2	495.4	606.4	698.9	774.4	832.7
77.5°	91.1	92.5	112.5	142.3	177.9	233.5	313.2	400.0	468.3	511.0	563.7
80°	52.7	52.7	62.6	81.1	102.5	136.7	180.8	223.5	264.8	291.8	317.4
82.5°	28.5	28.5	32.7	44.1	55.5	75.4	101.1	122.4	148.0	162.3	179.4
85°	8.5	8.5	11.4	15.7	19.9	28.5	39.9	51.2	62.6	72.6	82.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5
2.5°	3022.1	3002.1	2990.8	2976.5	2980.8	2968.0	2960.9	2965.1	2939.5	2965.1	2990.8
5°	2895.4	2866.9	2844.1	2825.6	2817.1	2800.0	2790.0	2790.0	2774.4	2800.0	2831.3
7.5°	2784.3	2761.6	2750.2	2738.8	2726.0	2710.3	2693.2	2687.6	2677.6	2704.6	2731.7
10°	2710.3	2713.2	2720.3	2736.0	2733.1	2723.1	2697.5	2683.3	2683.3	2714.6	2755.9
12.5°	2744.5	2774.4	2791.5	2819.9	2825.6	2817.1	2791.5	2780.1	2808.5	2855.5	2923.9
15°	2876.9	2896.8	2911.0	2933.8	2932.4	2925.3	2905.3	2913.9	3007.8	3098.9	3160.2
17.5°	3020.6	2997.9	2995.0	3009.3	3013.5	3005.0	2993.6	3032.0	3187.2	3272.6	3303.9
20°	3124.6	3046.3	3029.2	3034.9	3046.3	3042.0	3042.0	3104.6	3265.5	3305.3	3265.5
22.5°	3155.9	3044.8	3019.2	3020.6	3036.3	3037.7	3044.8	3110.3	3204.3	3205.7	3144.5
25°	3106.1	2999.3	2980.8	2983.6	3002.1	3000.7	3003.6	3040.6	3081.9	3064.8	3019.2
27.5°	3012.1	2919.6	2913.9	2929.5	2953.7	2940.9	2932.4	2942.4	2962.3	2940.9	2901.1
30°	2905.3	2827.1	2829.9	2859.8	2885.4	2864.1	2842.7	2848.4	2849.8	2827.1	2781.5
32.5°	2792.9	2734.5	2744.5	2775.8	2805.7	2782.9	2760.1	2757.3	2730.3	2703.2	2659.1
35°	2680.4	2657.7	2670.5	2696.1	2721.7	2703.2	2689.0	2680.4	2622.1	2582.2	2545.2
37.5°	2577.9	2595.0	2617.8	2633.5	2642.0	2640.6	2632.0	2612.1	2535.2	2488.3	2439.9
40°	2486.8	2539.5	2563.7	2570.8	2583.6	2580.8	2579.4	2550.9	2449.8	2400.0	2344.5
42.5°	2404.3	2478.3	2519.6	2526.7	2533.8	2535.2	2531.0	2489.7	2374.4	2316.0	2263.4
45°	2324.6	2421.4	2474.0	2466.9	2476.9	2476.9	2481.1	2427.1	2300.4	2240.6	2185.1
47.5°	2254.8	2368.7	2417.1	2408.5	2414.2	2418.5	2422.8	2360.1	2219.2	2162.3	2105.3
50°	2190.8	2311.7	2353.0	2355.9	2355.9	2365.8	2364.4	2303.2	2150.9	2089.7	2032.7
52.5°	2122.4	2253.4	2297.5	2316.0	2321.7	2326.0	2306.1	2234.9	2081.1	2007.1	1954.5
55°	2042.7	2193.6	2233.5	2257.7	2269.0	2266.2	2239.2	2166.6	2010.0	1935.9	1876.2
57.5°	1921.7	2065.5	2122.4	2133.8	2152.3	2140.9	2109.6	2048.4	1896.1	1822.1	1760.9
60°	1789.3	1893.2	1938.8	1948.8	1934.5	1938.8	1934.5	1876.2	1743.8	1685.4	1622.8
62.5°	1615.7	1708.2	1756.6	1769.4	1745.2	1760.9	1755.2	1682.6	1550.2	1489.0	1433.5
65°	1484.7	1585.8	1642.7	1649.8	1642.7	1649.8	1629.9	1541.6	1416.4	1353.7	1296.8
67.5°	1382.2	1486.1	1545.9	1565.8	1558.7	1557.3	1526.0	1423.5	1294.0	1225.6	1153.0
70°	1205.7	1296.8	1373.7	1422.1	1422.1	1395.0	1335.2	1239.9	1135.9	1077.6	1020.6
72.5°	1067.6	1182.9	1258.4	1308.2	1318.2	1302.5	1218.5	1117.4	997.9	939.5	879.7
75°	879.7	992.2	1073.3	1138.8	1151.6	1134.5	1037.7	938.1	827.0	770.1	710.3
77.5°	587.9	654.8	720.3	780.1	767.3	778.6	713.2	637.7	569.4	526.7	499.6
80°	331.7	375.8	395.7	428.5	428.5	428.5	385.8	350.2	311.7	287.5	260.5
82.5°	187.9	216.4	224.9	252.0	259.1	260.5	232.0	209.3	185.1	172.2	153.7
85°	86.8	102.5	103.9	119.6	125.3	136.7	123.8	108.2	94.0	88.3	76.9
87.5°	2.8	8.5	11.4	21.4	28.5	32.7	35.6	35.6	29.9	27.0	22.8
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: P637329

CATALOG NUMBER: GWS-SA4C-750-U-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5	3191.5
2.5°	3022.1	3056.2	3096.1	3124.6	3175.8	3218.5	3262.6	3311.0	3346.6	3338.1
5°	2869.8	2926.7	2999.3	3066.2	3161.6	3258.4	3365.1	3474.7	3538.8	3536.0
7.5°	2784.3	2865.5	2953.7	3043.4	3155.9	3295.4	3459.1	3629.9	3716.7	3721.0
10°	2829.9	2916.7	2976.5	3052.0	3170.1	3345.2	3541.6	3746.6	3846.3	3866.2
12.5°	2973.7	2966.6	2962.3	3016.4	3158.7	3380.8	3621.4	3866.2	3978.7	4002.9
15°	3110.3	2963.7	2875.5	2912.5	3107.5	3403.6	3699.7	3997.2	4123.9	4149.5
17.5°	3136.0	2913.9	2750.2	2775.8	3026.3	3410.7	3775.1	4125.3	4261.9	4286.1
20°	3064.8	2849.8	2659.1	2623.5	2923.9	3392.2	3822.1	4232.0	4381.5	4407.1
22.5°	2975.1	2792.9	2590.8	2498.2	2798.6	3373.7	3874.7	4344.5	4516.7	4539.5
25°	2881.1	2720.3	2526.7	2385.8	2656.2	3362.3	3963.0	4492.5	4700.4	4727.4
27.5°	2781.5	2632.0	2471.2	2331.7	2525.3	3376.5	4088.3	4731.7	4968.0	5006.4
30°	2674.7	2543.8	2435.6	2313.2	2435.6	3389.3	4226.3	4976.5	5254.1	5308.2
32.5°	2563.7	2462.6	2398.6	2321.7	2380.1	3359.4	4347.3	5251.3	5595.7	5642.7
35°	2452.7	2380.1	2351.6	2337.4	2306.1	3249.8	4445.6	5528.8	5985.8	6027.1
37.5°	2348.8	2294.7	2286.1	2301.8	2192.2	3070.5	4559.4	5881.9	6368.7	6431.3
40°	2252.0	2202.1	2200.7	2197.9	2066.9	2825.6	4713.2	6240.6	6745.9	6774.4
42.5°	2162.3	2099.6	2111.0	2076.9	1964.4	2560.9	4858.4	6546.6	7097.5	7117.5
45°	2082.6	2000.0	2012.8	1970.1	1916.0	2283.3	4986.5	6908.2	7543.1	7555.9
47.5°	2005.7	1917.4	1881.9	1879.0	1907.5	2027.1	5111.8	7604.3	8240.6	8263.4
50°	1934.5	1839.2	1738.1	1800.7	1854.8	1834.9	5268.3	8350.2	8960.9	8955.2
52.5°	1866.2	1740.9	1597.2	1718.2	1718.2	1692.5	5224.2	8802.9	9555.9	9654.1
55°	1787.9	1582.9	1450.5	1580.1	1517.4	1564.4	4442.7	8950.9	9930.3	10069.8
57.5°	1632.7	1387.9	1272.6	1342.4	1248.4	1450.5	3191.5	8216.4	9294.0	9541.7
60°	1483.3	1244.1	1168.7	1155.9	1033.5	1182.9	2068.3	6432.8	7649.8	7775.1
62.5°	1308.2	1120.3	1056.2	958.0	831.3	861.2	1252.7	4233.5	5140.2	5168.7
65°	1175.8	1014.9	892.5	775.8	680.4	624.9	740.2	2041.3	2569.4	2535.2
67.5°	1009.3	869.8	753.0	669.0	590.7	521.0	492.5	606.4	686.1	663.3
70°	898.2	764.4	652.0	572.2	499.6	429.9	380.1	357.3	350.2	344.5
72.5°	774.4	657.7	540.9	464.1	395.7	331.7	286.1	259.1	252.0	246.3
75°	617.8	508.2	401.4	328.8	269.0	223.5	193.6	170.8	166.5	160.9
77.5°	408.5	326.0	239.1	195.0	159.4	135.2	115.3	101.1	98.2	95.4
80°	224.9	187.9	146.6	118.1	95.4	82.6	75.4	66.9	65.5	64.1
82.5°	133.8	112.5	84.0	66.9	55.5	49.8	45.6	41.3	39.9	38.4
85°	66.9	52.7	37.0	31.3	28.5	25.6	25.6	21.4	19.9	19.9
87.5°	17.1	14.2	8.5	7.1	7.1	7.1	5.7	4.3	4.3	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)