

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: P643268

Luminaire Tested: GWS-SA6E-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643268  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-750-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

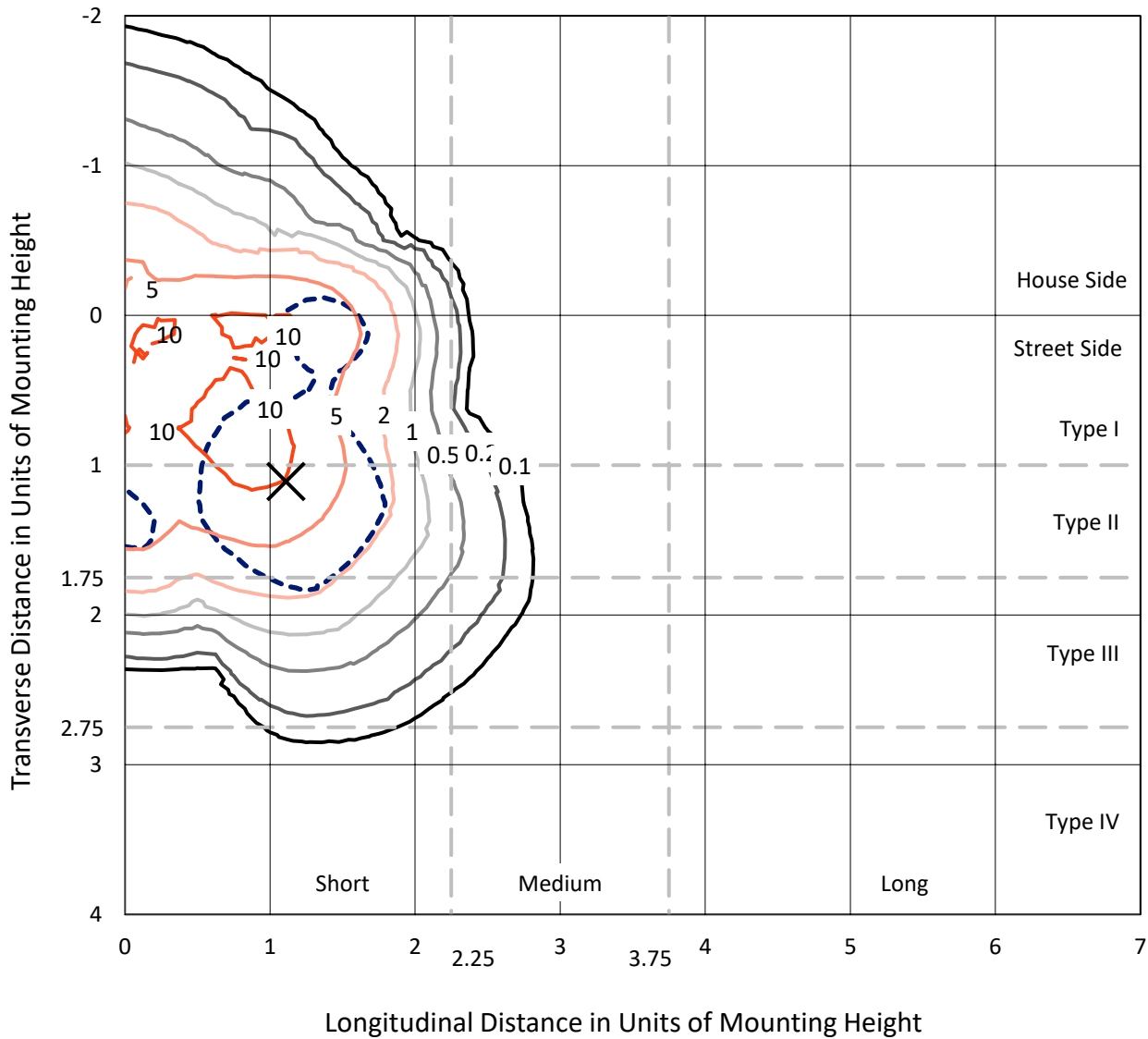
Lumens per Lamp: N/A  
Luminaire Lumens: 24429 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

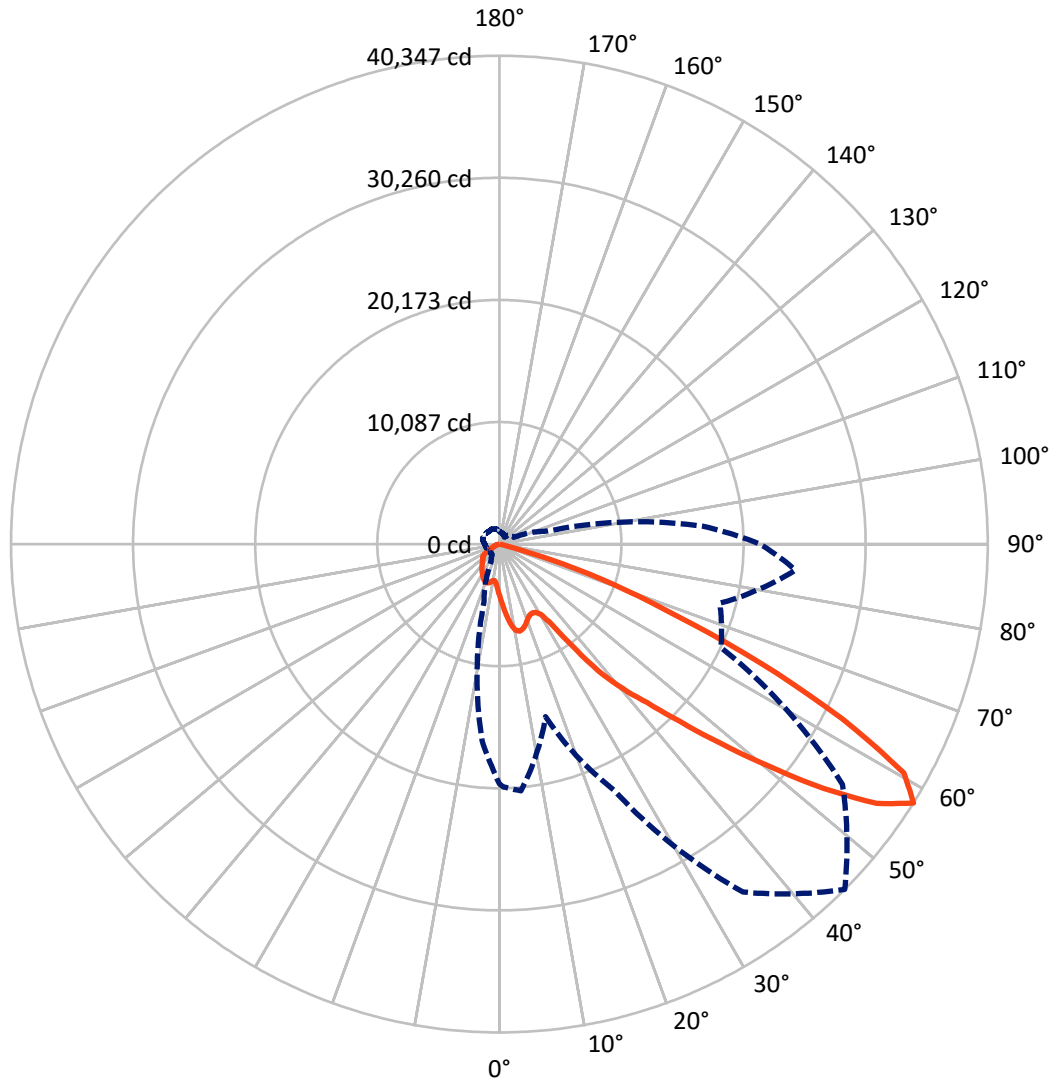
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5470.3	0.0	5470.3
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	18958.7	0.0	18958.7
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	24429.0	0.0	24429.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.4	1.7
10°-20°	1366.4	5.6
20°-30°	2219.7	9.1
30°-40°	3429.7	14.0
40°-50°	5499.6	22.5
50°-60°	7516.5	30.8
60°-70°	3640.4	14.9
70°-80°	333.3	1.4
80°-90°	1.0	0.0
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°	24429.0	100.0
0°-180°	24429.0	100.0

**Coefficient of Utilization**



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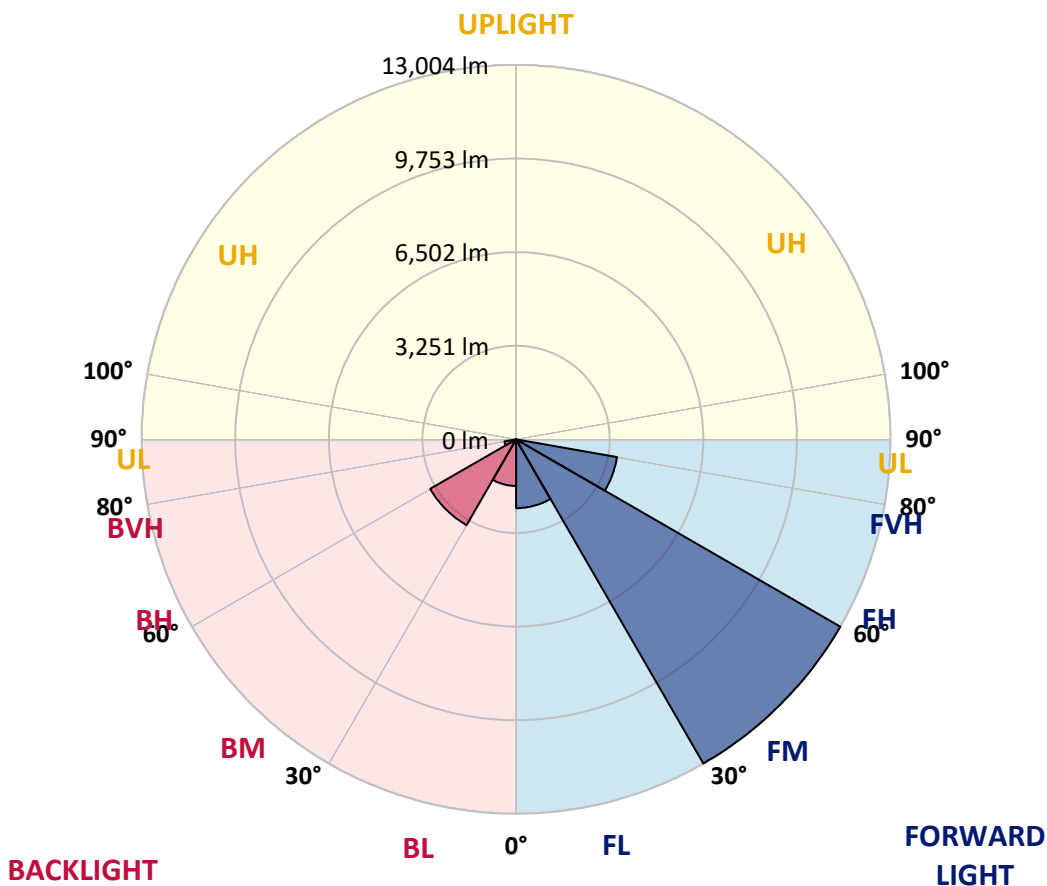
CATALOG NUMBER: GWS-SA6E-750-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2389.9	9.8			
FM (30°-60°)	13004.1	53.2			
FH (60°-80°)	3563.7	14.6			G2/5000
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	1618.6	6.6	B3/2500		
BM (30°-60°)	3441.7	14.1	B3/5000		
BH (60°-80°)	410.0	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7
2.5°	4651.5	4681.0	4730.2	4835.3	4923.9	4983.0	5009.3	5002.7	4966.6	4940.3	4887.8
5°	5150.4	5150.4	5245.6	5485.2	5669.1	5784.0	5843.1	5806.9	5734.7	5619.8	5442.6
7.5°	5587.0	5603.4	5764.3	6105.7	6384.7	6548.8	6644.0	6624.3	6496.3	6276.4	5921.8
10°	5928.4	5948.1	6161.5	6578.4	6906.6	7074.0	7215.2	7228.3	7087.2	6795.0	6388.0
12.5°	6259.9	6279.6	6502.9	6903.3	7192.2	7261.1	7385.9	7435.1	7399.0	7192.2	6768.7
15°	6617.7	6663.7	6854.1	7152.8	7274.3	7192.2	7274.3	7362.9	7484.4	7464.7	7083.9
17.5°	6969.0	7001.8	7195.5	7300.5	7165.9	6952.6	6992.0	7097.0	7372.8	7641.9	7395.7
20°	7294.0	7339.9	7500.8	7362.9	6955.9	6624.3	6627.6	6765.5	7185.6	7750.3	7714.1
22.5°	7635.4	7704.3	7819.2	7431.8	6762.2	6365.0	6381.4	6506.1	7037.9	7852.0	8075.2
25°	8081.8	8147.4	8222.9	7602.5	6699.8	6237.0	6299.3	6414.2	7037.9	8026.0	8521.7
27.5°	8685.8	8731.8	8735.0	7920.9	6808.1	6256.7	6388.0	6519.3	7248.0	8373.9	9119.1
30°	9444.1	9516.3	9421.1	8416.6	7146.3	6519.3	6712.9	6877.1	7701.0	8961.5	9998.8
32.5°	10366.5	10468.3	10340.2	9151.9	7852.0	7425.3	7776.5	7871.7	8423.2	9811.7	10996.8
35°	11449.8	11535.1	11397.2	10169.5	9499.9	9578.7	10215.5	10094.0	9874.1	10858.9	12162.1
37.5°	12638.1	12716.8	12451.0	11712.4	11935.6	12277.0	13294.6	12877.7	12168.6	12208.0	13425.9
40°	13727.9	13813.2	13396.3	13389.8	13849.3	14473.0	15700.7	15126.3	14161.2	13974.1	14610.9
42.5°	14857.1	14916.2	14538.7	14282.7	15326.5	16610.0	17909.9	17135.2	15480.8	15277.3	16094.7
45°	16468.9	16593.6	15920.7	14722.5	16656.0	19068.7	20880.7	19367.4	16380.2	16216.1	18366.2
47.5°	18838.9	18930.8	17558.7	14998.3	17893.5	22131.4	24593.3	22262.7	17171.4	16797.1	21471.6
50°	20798.6	20861.0	19065.4	15300.3	19209.9	25433.7	28824.6	25696.3	18060.9	17758.9	24370.1
52.5°	22243.0	22479.3	21044.8	15920.7	20939.8	29317.0	33508.9	29763.5	19449.5	19616.9	26773.0
55°	22541.7	22863.4	22397.3	16301.5	22462.9	33272.6	37835.4	33403.9	20834.8	21025.1	27580.5
57.5°	19810.6	20066.6	20454.0	14765.2	22426.8	35084.6	40346.6	34611.9	20204.5	18855.3	24557.2
60°	14840.7	15018.0	15720.4	11285.6	20624.7	33482.7	38390.2	32557.0	17667.0	14387.7	18710.9
62.5°	8800.7	8879.5	9769.1	7310.4	17118.8	28834.5	31838.1	28092.6	13961.0	9677.1	11459.6
65°	3377.8	3345.0	4024.5	3607.6	12588.8	22968.4	23680.8	21415.8	9578.7	4434.8	4369.2
67.5°	521.9	499.0	672.9	1066.8	9079.7	15917.4	15625.2	15434.9	6000.6	1034.0	902.7
70°	118.2	118.2	144.4	315.1	5547.6	9352.2	10008.7	9542.6	3840.7	219.9	118.2
72.5°	55.8	55.8	68.9	134.6	2009.0	3853.8	4490.6	4421.7	1247.4	72.2	42.7
75°	19.7	23.0	23.0	29.5	121.5	200.2	459.6	328.3	78.8	0.0	0.0
77.5°	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7
2.5°	4772.9	4749.9	4664.6	4549.7	4438.1	4339.6	4237.9	4116.4	4027.8	3926.0	3893.2
5°	5304.7	5160.3	4927.2	4684.3	4461.1	4270.7	4086.9	3889.9	3745.5	3601.0	3551.8
7.5°	5754.4	5541.1	5163.6	4799.2	4493.9	4224.7	3958.8	3689.7	3479.6	3308.9	3256.4
10°	6158.2	5912.0	5406.5	4956.7	4572.7	4260.8	3939.1	3601.0	3328.6	3125.0	3075.8
12.5°	6506.1	6220.6	5613.3	5074.9	4605.5	4247.7	3935.9	3666.7	3420.5	3187.4	3125.0
15°	6798.3	6483.2	5787.2	5153.7	4556.3	4083.6	3811.1	3768.4	3748.7	3492.7	3371.2
17.5°	7083.9	6729.4	5928.4	5189.8	4418.4	3794.7	3597.7	3791.4	3998.2	3830.8	3676.5
20°	7382.6	6978.8	6072.8	5196.4	4188.6	3469.7	3436.9	3742.2	4004.8	3952.3	3807.8
22.5°	7733.8	7290.7	6253.4	5193.1	3899.7	3194.0	3318.7	3647.0	3860.4	3857.1	3742.2
25°	8242.6	7684.6	6496.3	5212.8	3584.6	2980.6	3187.4	3486.1	3660.1	3653.5	3558.4
27.5°	8787.6	8154.0	6811.4	5262.0	3315.4	2855.9	3033.1	3266.2	3417.2	3410.6	3328.6
30°	9552.4	8695.6	7113.4	5265.3	3121.8	2790.2	2862.4	3023.3	3167.7	3151.3	3088.9
32.5°	10481.4	9306.2	7366.2	5078.2	3000.3	2727.9	2685.2	2767.2	2878.9	2855.9	2839.5
35°	11604.0	10031.7	7582.8	4667.9	2813.2	2603.1	2488.2	2504.6	2583.4	2596.5	2590.0
37.5°	12884.3	10895.0	7852.0	4126.2	2560.4	2422.6	2268.3	2255.2	2301.1	2343.8	2376.6
40°	14148.1	11866.6	8216.4	3578.0	2330.7	2192.8	2045.1	2012.2	2031.9	2107.4	2176.4
42.5°	15569.4	12992.6	8610.3	3108.6	2173.1	1940.0	1798.9	1736.5	1792.3	1913.8	1995.8
45°	17617.8	14571.5	8994.4	2734.4	2107.4	1716.8	1526.4	1519.9	1582.2	1739.8	1831.7
47.5°	20493.4	16613.3	9247.1	2442.3	2104.2	1542.8	1316.3	1355.7	1427.9	1582.2	1687.3
50°	23296.7	19170.5	8968.1	2219.0	2035.2	1427.9	1158.8	1237.5	1309.8	1444.4	1552.7
52.5°	24987.3	20545.9	7881.6	2009.0	1821.9	1375.4	1004.5	1142.3	1155.5	1276.9	1391.8
55°	24810.0	19656.3	6036.7	1684.0	1506.7	1299.9	843.6	1030.7	1037.3	1129.2	1227.7
57.5°	21533.9	16875.9	4145.9	1365.6	1132.5	1073.4	695.9	869.9	932.3	988.1	1060.3
60°	16048.7	12313.1	1848.1	1109.5	718.9	725.5	594.2	656.5	751.7	817.4	879.7
62.5°	9457.2	7083.9	751.7	666.4	397.2	456.3	479.3	479.3	538.3	587.6	627.0
65°	3574.8	2478.4	305.3	334.8	206.8	213.4	282.3	348.0	393.9	436.6	489.1
67.5°	627.0	433.3	157.6	124.7	121.5	108.3	144.4	226.5	252.8	285.6	308.6
70°	105.0	88.6	65.7	62.4	55.8	59.1	95.2	160.8	177.3	187.1	197.0
72.5°	29.5	26.3	19.7	16.4	13.1	16.4	59.1	124.7	131.3	137.9	147.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	23.0	88.6	95.2	98.5	108.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	26.3	32.8	26.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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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	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7
2.5°	3873.5	3807.8	3771.7	3752.0	3752.0	3725.8	3696.2	3686.4	3729.0	3729.0	3801.3
5°	3489.4	3436.9	3377.8	3341.7	3285.9	3295.7	3262.9	3259.6	3302.3	3322.0	3397.5
7.5°	3223.5	3157.9	3121.8	3098.8	3069.2	3056.1	3026.6	3016.7	3039.7	3072.5	3144.7
10°	3046.3	3036.4	3033.1	3049.5	3049.5	3033.1	3006.9	2990.5	2997.0	3059.4	3141.5
12.5°	3092.2	3111.9	3118.5	3144.7	3157.9	3144.7	3125.0	3131.6	3174.3	3289.2	3410.6
15°	3292.5	3276.0	3269.5	3282.6	3292.5	3279.3	3272.8	3322.0	3469.7	3633.9	3771.7
17.5°	3505.8	3400.8	3354.8	3354.8	3361.4	3354.8	3361.4	3456.6	3696.2	3860.4	3962.1
20°	3614.2	3420.5	3348.3	3331.9	3345.0	3348.3	3371.2	3479.6	3742.2	3857.1	3880.0
22.5°	3581.3	3338.4	3256.4	3243.2	3256.4	3269.5	3292.5	3384.4	3630.6	3689.7	3679.8
25°	3417.2	3177.6	3111.9	3111.9	3141.5	3138.2	3148.0	3213.7	3417.2	3453.3	3436.9
27.5°	3210.4	2983.9	2928.1	2960.9	2987.2	2980.6	2983.9	3039.7	3190.7	3200.5	3184.1
30°	3000.3	2803.4	2750.8	2790.2	2826.3	2819.8	2823.0	2878.9	2974.0	2964.2	2941.2
32.5°	2786.9	2642.5	2603.1	2626.1	2681.9	2675.3	2688.5	2747.5	2783.7	2741.0	2714.7
35°	2590.0	2514.5	2484.9	2498.1	2540.7	2550.6	2573.6	2613.0	2613.0	2560.4	2514.5
37.5°	2406.2	2396.3	2376.6	2360.2	2399.6	2429.1	2462.0	2507.9	2442.3	2366.8	2324.1
40°	2235.5	2278.1	2251.9	2209.2	2232.2	2274.9	2340.5	2376.6	2297.8	2222.3	2150.1
42.5°	2077.9	2150.1	2140.3	2087.7	2107.4	2146.8	2222.3	2251.9	2160.0	2074.6	2005.7
45°	1926.9	2028.7	2035.2	1969.6	1989.3	2028.7	2117.3	2127.1	2009.0	1917.0	1867.8
47.5°	1795.6	1907.2	1910.5	1861.2	1867.8	1923.6	2005.7	2009.0	1874.4	1789.0	1726.7
50°	1670.9	1798.9	1808.7	1766.0	1772.6	1838.3	1907.2	1894.1	1749.6	1661.0	1605.2
52.5°	1519.9	1693.8	1716.8	1697.1	1723.4	1775.9	1818.6	1772.6	1605.2	1516.6	1467.3
55°	1355.7	1582.2	1631.5	1618.3	1647.9	1690.5	1700.4	1670.9	1460.8	1372.1	1326.2
57.5°	1165.3	1303.2	1388.5	1362.3	1385.3	1427.9	1457.5	1434.5	1276.9	1208.0	1168.6
60°	965.1	1057.0	1076.7	1034.0	1014.3	1089.8	1158.8	1129.2	994.6	952.0	906.0
62.5°	705.8	810.8	823.9	768.1	745.2	827.2	886.3	856.8	709.0	663.1	627.0
65°	564.6	663.1	689.3	636.8	623.7	686.1	722.2	650.0	544.9	495.7	456.3
67.5°	370.9	449.7	518.7	515.4	489.1	508.8	482.5	423.5	348.0	321.7	295.4
70°	229.8	275.7	318.4	334.8	331.5	325.0	288.9	246.2	223.2	213.4	200.2
72.5°	177.3	223.2	256.0	265.9	269.2	259.3	229.8	190.4	167.4	154.3	144.4
75°	131.3	167.4	193.7	206.8	213.4	206.8	177.3	151.0	128.0	118.2	108.3
77.5°	46.0	55.8	68.9	75.5	72.2	68.9	62.4	62.4	49.2	46.0	39.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P643268

CATALOG NUMBER: GWS-SA6E-750-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7	4293.7
2.5°	3883.3	3942.4	4050.7	4149.2	4254.3	4362.6	4480.8	4602.2	4658.0	4651.5
5°	3512.4	3640.4	3817.7	4011.4	4228.0	4461.1	4720.4	4986.3	5101.2	5150.4
7.5°	3279.3	3459.9	3692.9	3939.1	4224.7	4556.3	4946.9	5363.8	5531.2	5587.0
10°	3308.9	3519.0	3712.6	3952.3	4257.6	4687.6	5173.4	5669.1	5866.0	5928.4
12.5°	3548.5	3594.5	3647.0	3843.9	4228.0	4786.1	5380.2	5971.1	6197.6	6259.9
15°	3765.2	3551.8	3453.3	3633.9	4123.0	4855.0	5590.3	6296.1	6545.5	6617.7
17.5°	3775.0	3453.3	3233.4	3374.5	3952.3	4884.5	5797.1	6627.6	6900.1	6969.0
20°	3653.5	3345.0	3062.7	3066.0	3719.2	4878.0	5967.8	6926.3	7231.6	7294.0
22.5°	3476.3	3217.0	2924.8	2823.0	3469.7	4864.8	6154.9	7244.7	7576.3	7635.4
25°	3279.3	3052.8	2793.5	2639.2	3220.2	4878.0	6417.5	7661.6	8026.0	8081.8
27.5°	3066.0	2872.3	2691.7	2567.0	3010.2	4927.2	6732.6	8193.4	8626.7	8685.8
30°	2842.7	2698.3	2626.1	2550.6	2878.9	4940.3	7074.0	8813.8	9362.0	9444.1
32.5°	2622.8	2544.0	2547.3	2560.4	2754.1	4848.4	7385.9	9503.2	10235.2	10366.5
35°	2419.3	2396.3	2462.0	2527.6	2573.6	4612.1	7658.3	10317.3	11315.2	11449.8
37.5°	2245.3	2265.0	2347.1	2412.7	2376.6	4277.2	8019.4	11334.9	12523.2	12638.1
40°	2077.9	2127.1	2222.3	2251.9	2225.6	3886.6	8452.7	12316.4	13570.3	13727.9
42.5°	1923.6	1959.7	2094.3	2100.9	2182.9	3489.4	8869.6	13373.4	14775.0	14857.1
45°	1798.9	1792.3	1930.2	1972.9	2238.7	3049.5	9276.7	14781.6	16350.7	16468.9
47.5°	1677.4	1670.9	1703.7	1897.4	2261.7	2642.5	9680.4	16843.1	18635.4	18838.9
50°	1562.5	1572.4	1470.6	1861.2	2137.0	2330.7	9864.3	18750.3	20713.3	20798.6
52.5°	1460.8	1424.7	1247.4	1743.1	1871.1	2035.2	9342.3	19616.9	22000.1	22243.0
55°	1316.3	1116.1	1027.5	1414.8	1477.2	1775.9	7651.8	19114.7	22111.7	22541.7
57.5°	1125.9	876.5	873.2	1043.9	1043.9	1647.9	4900.9	16331.0	19055.6	19810.6
60°	866.6	679.5	722.2	725.5	669.7	1201.4	2750.8	11830.5	14089.0	14840.7
62.5°	617.1	518.7	544.9	433.3	384.1	600.7	1319.6	6811.4	8695.6	8800.7
65°	413.6	351.2	285.6	239.6	236.3	256.0	544.9	2462.0	2993.7	3377.8
67.5°	272.5	213.4	151.0	151.0	170.7	170.7	206.8	407.0	571.2	521.9
70°	177.3	147.7	95.2	91.9	111.6	111.6	105.0	111.6	118.2	118.2
72.5°	131.3	111.6	55.8	49.2	62.4	65.7	59.1	55.8	55.8	55.8
75°	98.5	78.8	32.8	23.0	29.5	39.4	32.8	23.0	23.0	19.7
77.5°	39.4	29.5	13.1	9.8	16.4	23.0	19.7	9.8	6.6	6.6
80°	3.3	6.6	6.6	6.6	9.8	13.1	16.4	6.6	3.3	3.3
82.5°	0.0	3.3	3.3	3.3	6.6	9.8	13.1	6.6	3.3	3.3
85°	0.0	0.0	0.0	0.0	6.6	9.8	6.6	3.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	3.3	9.8	6.6	3.3	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)