

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: P640790

Luminaire Tested: GWS-SA5E-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-750-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

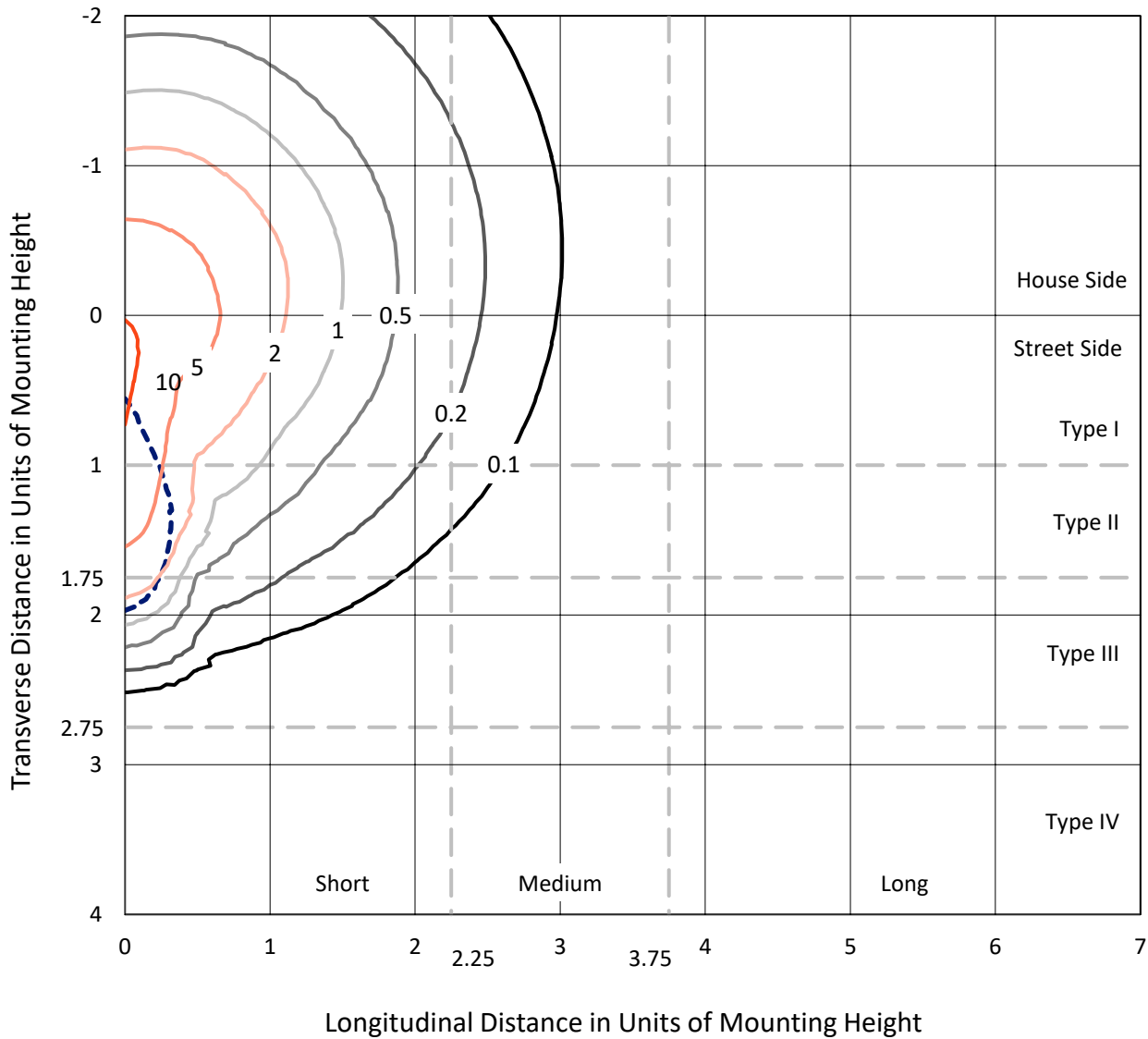
Lumens per Lamp: N/A  
Luminaire Lumens: 29890.4 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

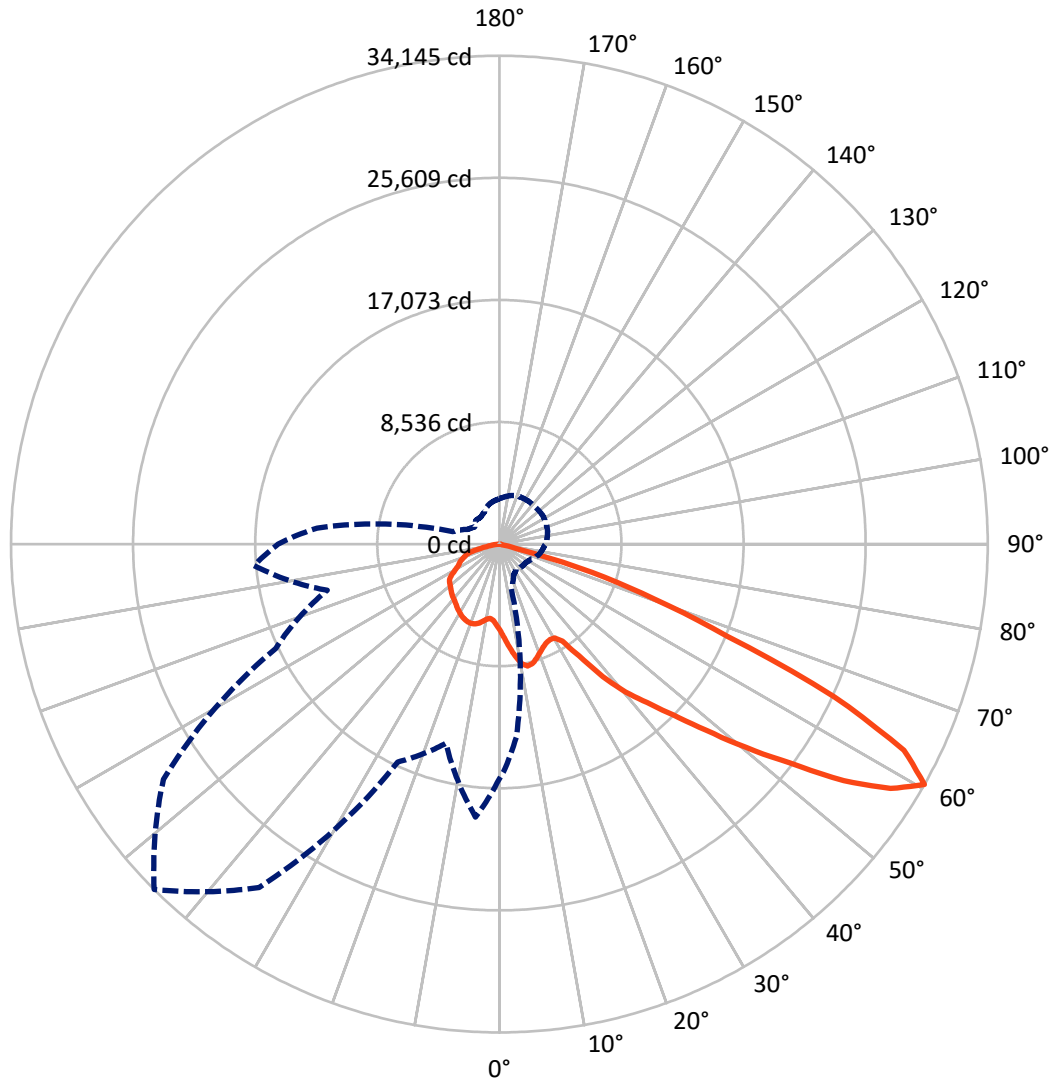
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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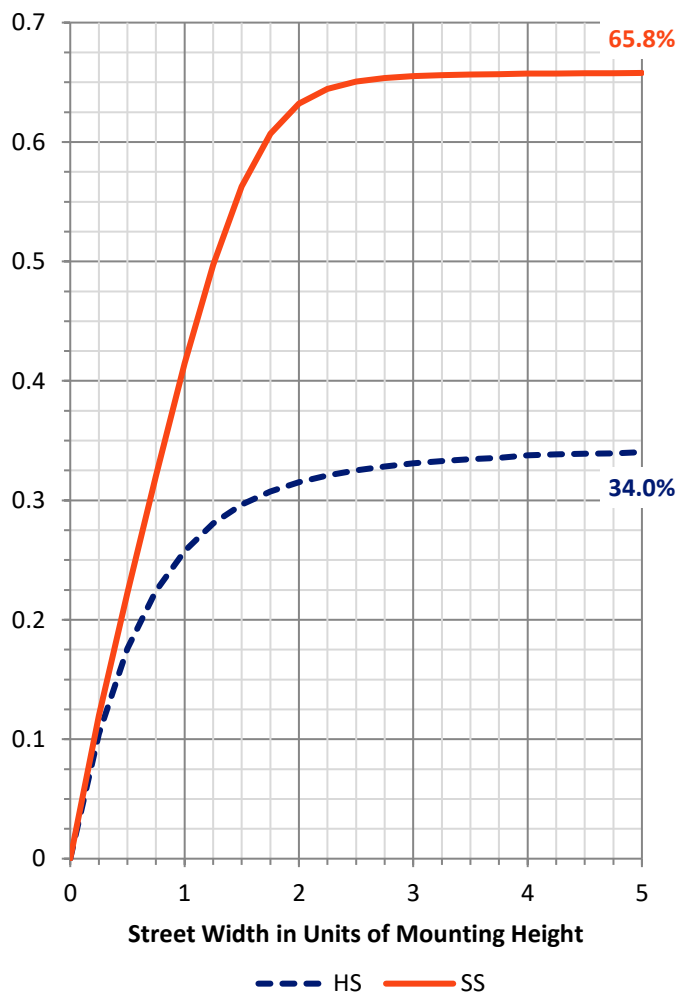
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10225.2	0.0	10225.2
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	19665.2	0.0	19665.2
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	29890.4	0.0	29890.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	589.0	2.0
10°-20°	1889.2	6.3
20°-30°	3076.7	10.3
30°-40°	4322.1	14.5
40°-50°	5914.4	19.8
50°-60°	7587.8	25.4
60°-70°	5109.3	17.1
70°-80°	1277.3	4.3
80°-90°	124.5	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°	29890.4	100.0
0°-180°	29890.4	100.0

**Coefficient of Utilization**



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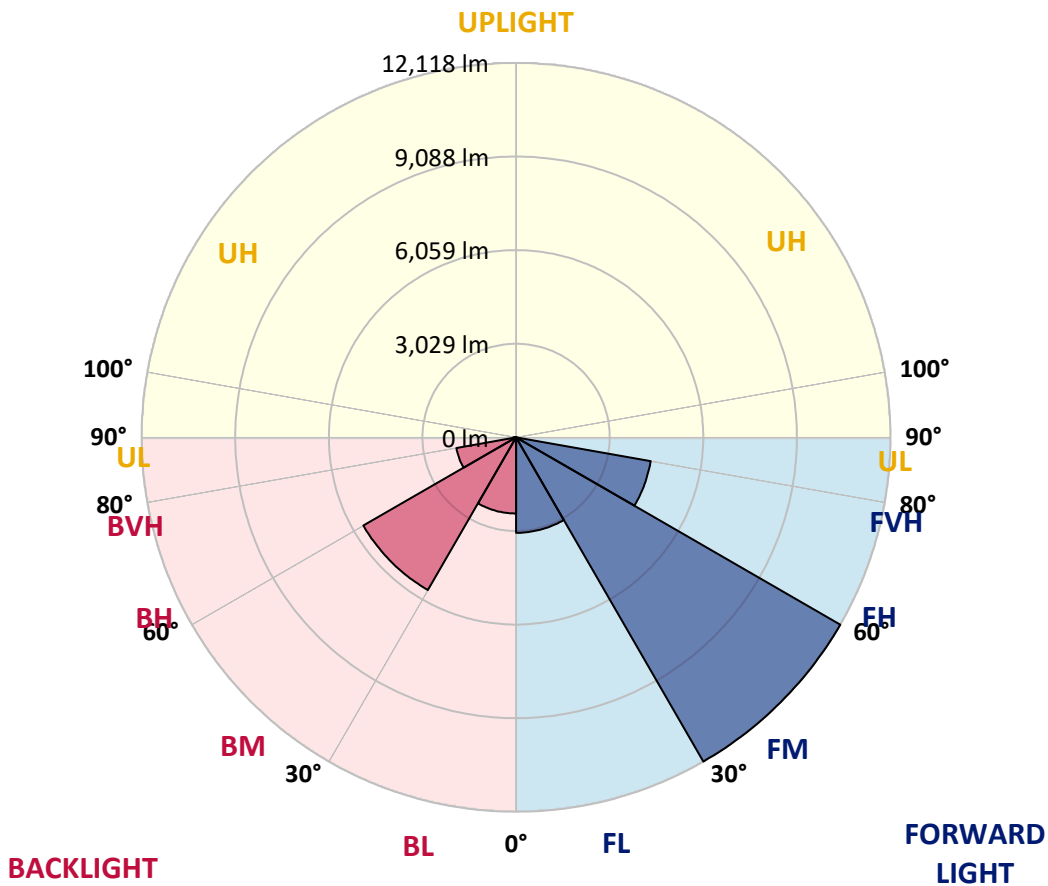
CATALOG NUMBER: GWS-SA5E-750-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3090.0	10.3			
FM (30°-60°)	12117.8	40.5			
FH (60°-80°)	4425.0	14.8			G2/5000
FVH (80°-90°)	32.4	0.1			G1/100
BL (0°-30°)	2464.9	8.2	B3/2500		
BM (30°-60°)	5706.5	19.1	B4/8500		
BH (60°-80°)	1961.7	6.6	B3/2500		G3/2500
BVH (80°-90°)	92.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6
2.5°	6378.2	6364.4	6350.7	6243.3	6215.8	6138.7	6083.6	6014.8	5915.7	5860.7	5813.9
5°	6777.3	6755.3	6681.0	6460.8	6317.6	6160.7	6031.3	5888.2	5736.8	5637.7	5560.6
7.5°	7154.5	7149.0	7022.3	6659.0	6427.7	6202.0	6025.8	5816.6	5599.1	5450.5	5351.4
10°	7504.1	7462.8	7311.4	6837.9	6535.1	6276.3	6086.4	5855.2	5601.9	5400.9	5268.8
12.5°	7812.4	7760.1	7550.9	7003.1	6628.7	6309.4	6102.9	5913.0	5745.0	5577.1	5425.7
15°	8065.6	8002.3	7790.4	7157.2	6711.3	6290.1	6001.0	5852.4	5910.2	5984.5	5816.6
17.5°	8302.4	8236.3	7977.5	7270.1	6736.0	6171.7	5750.5	5687.2	5979.0	6317.6	6240.5
20°	8500.6	8426.2	8126.2	7325.1	6692.0	5946.0	5425.7	5535.8	5921.2	6325.9	6449.8
22.5°	8715.3	8654.7	8294.1	7405.0	6636.9	5634.9	5153.2	5423.0	5822.1	6177.2	6364.4
25°	9059.4	8985.1	8555.6	7545.4	6609.4	5343.1	4957.7	5312.9	5684.5	6006.6	6152.5
27.5°	9557.6	9420.0	8913.5	7790.4	6639.7	5067.9	4833.9	5178.0	5524.8	5800.1	5918.5
30°	10099.9	9934.8	9309.9	8043.6	6683.7	4899.9	4767.8	5023.8	5279.8	5555.1	5684.5
32.5°	10741.3	10595.4	9733.8	8233.5	6590.1	4822.9	4718.3	4855.9	5059.6	5279.8	5387.2
35°	11506.6	11245.1	10196.3	8387.7	6287.3	4710.0	4674.2	4671.5	4778.8	4993.5	5114.7
37.5°	12329.7	12048.9	10766.1	8552.9	5816.6	4531.1	4569.6	4454.0	4553.1	4723.8	4861.4
40°	13004.1	12709.6	11341.4	8778.6	5227.5	4250.3	4338.4	4214.5	4275.1	4451.2	4605.4
42.5°	13664.8	13351.0	11878.2	9034.6	4657.7	3975.0	4019.1	3972.3	3991.5	4176.0	4390.7
45°	14531.9	14179.5	12538.9	9216.3	4145.7	3757.5	3716.2	3636.4	3738.3	3977.8	4206.2
47.5°	15979.9	15558.7	13620.7	9334.7	3774.1	3633.7	3443.7	3396.9	3523.6	3790.6	4027.3
50°	17672.8	17309.4	15349.5	9329.2	3496.0	3529.1	3179.5	3138.2	3347.4	3617.1	3867.6
52.5°	19060.2	18691.3	16827.7	9053.9	3267.5	3306.1	3025.3	2909.7	3196.0	3446.5	3697.0
55°	20180.6	19764.9	17507.6	7903.2	2978.5	2951.0	2857.4	2645.4	3006.0	3275.8	3509.8
57.5°	19577.7	19082.2	16684.6	6009.3	2681.2	2507.8	2568.3	2411.4	2747.3	3085.9	3311.6
60°	16414.8	15968.8	13554.7	3198.7	2359.1	2094.9	2221.5	2246.3	2463.7	2857.4	3088.6
62.5°	11275.4	10950.5	9186.0	1940.7	1860.9	1681.9	1880.1	2059.1	2221.5	2554.6	2755.5
65°	5516.6	5420.2	4594.4	1244.3	1302.1	1359.9	1558.1	1775.5	2015.0	2306.8	2518.8
67.5°	1519.5	1530.5	1392.9	971.7	1026.8	1186.4	1343.4	1516.8	1756.3	2026.0	2240.8
70°	668.9	679.9	702.0	748.8	853.4	999.3	1161.7	1340.6	1560.8	1786.6	1993.0
72.5°	465.2	476.2	509.3	569.8	663.4	801.1	955.2	1125.9	1354.4	1544.3	1715.0
75°	286.3	294.5	324.8	377.1	440.4	545.0	696.5	853.4	1054.3	1227.7	1379.1
77.5°	151.4	145.9	165.2	201.0	256.0	311.1	412.9	512.0	655.2	795.6	922.2
80°	82.6	79.8	90.8	110.1	126.6	170.7	239.5	305.6	388.1	468.0	536.8
82.5°	35.8	33.0	35.8	46.8	57.8	82.6	121.1	167.9	214.7	269.8	313.8
85°	0.0	0.0	0.0	2.8	13.8	22.0	41.3	60.6	88.1	121.1	148.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	24.8
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°	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6
2.5°	5786.3	5717.5	5712.0	5657.0	5662.5	5665.2	5610.2	5588.1	5607.4	5629.4	5618.4
5°	5533.1	5461.5	5431.2	5378.9	5373.4	5348.6	5326.6	5299.1	5318.4	5337.6	5348.6
7.5°	5312.9	5266.1	5246.8	5233.0	5238.5	5227.5	5183.5	5158.7	5155.9	5164.2	5175.2
10°	5241.3	5202.7	5227.5	5266.1	5293.6	5312.9	5266.1	5224.8	5186.2	5169.7	5169.7
12.5°	5395.4	5345.9	5395.4	5436.7	5491.8	5505.5	5453.2	5409.2	5395.4	5412.0	5445.0
15°	5736.8	5621.2	5618.4	5643.2	5687.2	5709.3	5659.7	5637.7	5637.7	5742.3	5824.9
17.5°	6078.1	5888.2	5808.4	5794.6	5822.1	5830.4	5789.1	5769.8	5819.4	6023.1	6177.2
20°	6317.6	6086.4	5913.0	5879.9	5888.2	5890.9	5857.9	5844.1	5915.7	6163.5	6292.8
22.5°	6292.8	6122.2	5910.2	5868.9	5882.7	5877.2	5846.9	5841.4	5899.2	6113.9	6174.5
25°	6122.2	5990.0	5811.1	5783.6	5805.6	5802.8	5772.6	5758.8	5783.6	5926.7	5932.2
27.5°	5926.7	5811.1	5657.0	5648.7	5684.5	5703.7	5651.4	5610.2	5601.9	5698.2	5676.2
30°	5692.7	5607.4	5483.5	5489.0	5555.1	5566.1	5502.8	5442.2	5425.7	5478.0	5447.7
32.5°	5414.7	5387.2	5321.1	5334.9	5398.2	5420.2	5354.1	5290.8	5271.6	5288.1	5224.8
35°	5178.0	5167.0	5172.5	5197.2	5252.3	5268.8	5213.8	5164.2	5136.7	5078.9	4996.3
37.5°	4933.0	4963.3	5043.1	5089.9	5120.2	5114.7	5084.4	5048.6	5004.5	4897.2	4795.3
40°	4704.5	4781.6	4924.7	4977.0	4988.0	4990.8	4968.8	4938.5	4883.4	4740.3	4624.7
42.5°	4528.3	4613.6	4803.6	4883.4	4888.9	4894.4	4872.4	4847.6	4770.6	4580.6	4467.8
45°	4343.9	4456.7	4679.7	4776.1	4770.6	4767.8	4748.5	4737.5	4646.7	4426.5	4302.6
47.5°	4187.0	4319.1	4558.6	4641.2	4638.4	4635.7	4621.9	4621.9	4531.1	4291.6	4151.2
50°	4032.8	4184.2	4434.7	4503.5	4509.0	4503.5	4498.0	4506.3	4398.9	4142.9	4005.3
52.5°	3864.9	4035.6	4297.1	4360.4	4393.4	4407.2	4407.2	4387.9	4261.3	3994.3	3842.9
55°	3680.5	3842.9	4145.7	4231.0	4258.5	4283.3	4283.3	4244.8	4126.4	3856.6	3694.2
57.5°	3452.0	3595.1	3834.6	3920.0	3986.0	4002.5	4002.5	3939.2	3842.9	3584.1	3452.0
60°	3204.2	3328.1	3490.5	3581.4	3630.9	3597.9	3622.7	3606.1	3529.1	3289.6	3179.5
62.5°	2873.9	3000.5	3179.5	3273.0	3295.1	3262.0	3295.1	3292.3	3187.7	2973.0	2840.9
65°	2637.2	2761.0	2937.2	3058.3	3094.1	3085.9	3107.9	3074.8	2945.5	2741.8	2615.1
67.5°	2356.4	2488.5	2692.2	2827.1	2901.4	2909.7	2940.0	2871.1	2739.0	2516.0	2356.4
70°	2089.4	2202.2	2359.1	2485.8	2590.4	2642.7	2648.2	2549.1	2383.9	2199.5	2083.9
72.5°	1808.6	1924.2	2114.1	2251.8	2383.9	2444.5	2444.5	2323.3	2144.4	1940.7	1816.8
75°	1467.2	1574.6	1748.0	1896.7	2048.1	2125.1	2122.4	2017.8	1819.6	1626.9	1497.5
77.5°	993.8	1073.6	1183.7	1296.6	1318.6	1379.1	1409.4	1277.3	1167.2	1062.6	947.0
80°	578.1	627.6	688.2	751.5	765.3	784.5	735.0	685.4	627.6	558.8	506.5
82.5°	338.6	371.6	401.9	451.5	459.7	465.2	421.2	399.2	352.4	311.1	278.0
85°	165.2	176.2	203.7	228.5	217.5	212.0	192.7	170.7	151.4	134.9	118.4
87.5°	33.0	33.0	49.5	46.8	38.5	33.0	19.3	24.8	5.5	5.5	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6
2.5°	5654.2	5701.0	5758.8	5835.9	5924.0	6017.6	6108.4	6177.2	6246.0	6347.9	6331.4
5°	5365.2	5445.0	5535.8	5654.2	5797.3	5959.8	6141.4	6323.1	6518.6	6683.7	6755.3
7.5°	5197.2	5285.3	5392.7	5546.8	5731.3	5929.5	6185.5	6480.0	6796.6	7014.1	7149.0
10°	5197.2	5310.1	5450.5	5599.1	5761.6	5965.3	6281.8	6650.7	7058.1	7344.4	7501.3
12.5°	5497.3	5610.2	5640.4	5634.9	5725.8	5951.5	6358.9	6829.6	7316.9	7619.7	7812.4
15°	5965.3	6003.8	5775.3	5566.1	5579.9	5852.4	6394.7	6972.8	7539.8	7903.2	8112.4
17.5°	6279.1	6177.2	5769.8	5403.7	5326.6	5684.5	6394.7	7110.4	7776.6	8186.8	8382.2
20°	6303.9	6050.6	5629.4	5246.8	5048.6	5461.5	6350.7	7215.0	8005.1	8459.3	8668.5
22.5°	6086.4	5835.9	5480.8	5111.9	4820.1	5191.7	6279.1	7294.9	8200.5	8715.3	8974.0
25°	5838.6	5629.4	5329.4	4974.3	4663.2	4919.2	6213.0	7429.7	8473.0	9062.1	9323.6
27.5°	5596.4	5420.2	5147.7	4858.6	4575.1	4682.5	6171.7	7627.9	8797.9	9554.9	9780.6
30°	5359.7	5200.0	4952.2	4748.5	4528.3	4528.3	6135.9	7856.4	9227.3	10108.2	10333.9
32.5°	5120.2	4968.8	4767.8	4641.2	4500.8	4467.8	6036.8	8071.1	9670.5	10713.8	10945.0
35°	4897.2	4745.8	4591.6	4539.3	4487.0	4421.0	5791.8	8239.1	10102.7	11421.3	11619.5
37.5°	4688.0	4542.1	4426.5	4412.7	4418.2	4294.3	5406.4	8379.4	10642.2	12145.2	12249.8
40°	4506.3	4343.9	4253.0	4250.3	4277.8	4090.6	4919.2	8580.4	11258.8	12759.1	12715.1
42.5°	4343.9	4173.2	4063.1	4087.9	4071.4	3886.9	4443.0	8764.8	11795.6	13334.4	13246.4
45°	4184.2	4019.1	3864.9	3900.7	3881.4	3760.3	4038.3	8899.7	12390.2	14025.4	14036.4
47.5°	4030.1	3867.6	3713.5	3669.4	3666.7	3721.8	3727.3	8943.8	13359.2	15137.5	14887.0
50°	3886.9	3724.5	3564.8	3416.2	3474.0	3644.7	3496.0	8910.7	14809.9	16365.2	15666.0
52.5°	3738.3	3584.1	3407.9	3140.9	3292.3	3460.2	3289.6	8792.4	15696.3	17449.8	17031.4
55°	3567.6	3421.7	3182.2	2857.4	3041.8	3077.6	3077.6	7647.2	16073.4	18523.4	18782.2
57.5°	3339.1	3146.4	2766.5	2505.0	2670.2	2532.6	2851.9	5351.4	15451.3	18184.8	19189.6
60°	3080.4	2873.9	2472.0	2284.8	2334.4	2092.1	2430.7	3355.6	12805.9	15473.3	17213.1
62.5°	2739.0	2549.1	2216.0	2070.1	1968.2	1706.7	1957.2	2122.4	8778.6	11490.1	12676.5
65°	2510.5	2301.3	2004.0	1811.3	1602.1	1373.6	1299.3	1392.9	4721.0	6430.5	7231.5
67.5°	2240.8	2034.3	1753.5	1511.3	1343.4	1178.2	1048.8	1015.8	1618.6	2141.7	2317.8
70°	1984.8	1786.6	1552.6	1326.8	1158.9	996.5	869.9	779.0	748.8	743.2	732.2
72.5°	1723.2	1538.8	1343.4	1134.1	949.7	801.1	688.2	583.6	539.5	525.8	512.0
75°	1412.2	1266.3	1070.8	845.1	696.5	558.8	470.7	401.9	363.4	349.6	333.1
77.5°	908.4	842.3	671.7	545.0	421.2	333.1	286.3	242.2	217.5	212.0	198.2
80°	484.5	451.5	371.6	313.8	250.5	203.7	178.9	154.2	140.4	134.9	129.4
82.5°	269.8	245.0	206.5	181.7	145.9	123.9	110.1	99.1	90.8	88.1	85.3
85°	121.1	104.6	82.6	77.1	68.8	63.3	60.6	55.1	52.3	49.5	46.8
87.5°	5.5	11.0	13.8	11.0	11.0	16.5	19.3	19.3	16.5	16.5	13.8
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: P640790

CATALOG NUMBER: GWS-SA5E-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6	6028.6
2.5°	6433.2	6515.8	6524.1	6551.6	6515.8	6507.6	6449.8	6416.7	6386.4	6378.2
5°	6934.2	7099.4	7165.5	7212.3	7168.2	7146.2	7019.6	6887.4	6813.1	6777.3
7.5°	7449.0	7696.8	7826.1	7883.9	7889.5	7790.4	7572.9	7325.1	7201.3	7154.5
10°	7908.7	8214.3	8385.0	8495.1	8456.5	8335.4	8038.1	7702.3	7545.4	7504.1
12.5°	8250.1	8541.9	8674.0	8745.6	8742.8	8676.7	8396.0	8032.6	7853.7	7812.4
15°	8470.3	8643.7	8652.0	8668.5	8715.3	8803.4	8657.5	8321.6	8123.4	8065.6
17.5°	8643.7	8574.9	8445.5	8401.5	8506.1	8751.1	8839.2	8566.6	8351.9	8302.4
20°	8753.8	8407.0	8178.5	8093.2	8214.3	8613.4	8949.3	8786.9	8563.9	8500.6
22.5°	8839.2	8250.1	7881.2	7823.4	7950.0	8464.8	9062.1	9048.4	8803.4	8715.3
25°	8974.0	8145.5	7672.0	7630.7	7749.1	8393.2	9213.5	9403.5	9186.0	9059.4
27.5°	9186.0	8134.4	7564.6	7550.9	7713.3	8456.5	9431.0	9923.8	9651.2	9557.6
30°	9480.6	8239.1	7589.4	7616.9	7815.1	8685.0	9769.6	10518.4	10245.8	10099.9
32.5°	9904.5	8519.8	7966.5	8084.9	8230.8	9051.1	10265.1	11162.5	10956.0	10741.3
35°	10463.3	9290.6	9081.4	9585.2	9447.5	9852.2	10862.4	11944.3	11693.8	11506.6
37.5°	11209.3	10870.7	11063.4	11757.1	11424.0	11366.2	11591.9	12654.5	12516.9	12329.7
40°	12255.4	12324.2	12679.3	13590.4	13108.7	12737.1	12486.6	13188.5	13235.3	13004.1
42.5°	12949.1	13265.6	14121.7	15156.8	14493.4	13604.2	13235.3	13871.2	13874.0	13664.8
45°	13207.8	14036.4	15825.7	17017.7	15908.3	14099.7	13648.3	14798.9	14771.4	14531.9
47.5°	13114.2	14686.1	17595.7	19418.1	17725.1	14452.1	13590.4	16120.2	16343.2	15979.9
50°	12918.8	15338.5	19663.1	22358.0	19954.9	14826.4	13502.4	17584.7	17953.6	17672.8
52.5°	13117.0	16065.2	22107.5	25397.1	22751.7	15423.8	14097.0	19464.9	19398.8	19060.2
55°	13744.6	16924.1	25077.8	29215.2	25823.8	16434.1	15624.7	21256.9	20585.2	20180.6
57.5°	13714.3	17537.9	27681.9	32235.0	28496.7	17262.6	16156.0	21446.9	20089.7	19577.7
60°	12448.0	17257.1	28672.9	34145.4	29303.3	16805.7	14408.0	19156.6	16951.6	16414.8
62.5°	9290.6	15313.7	26751.5	31753.3	27021.2	14515.4	10834.9	13750.1	12181.0	11275.4
65°	5943.2	11980.1	22490.2	25724.7	22272.7	11101.9	6452.5	7371.9	5775.3	5516.6
67.5°	2529.8	8456.5	17482.9	17193.8	16662.5	7193.0	2491.3	2075.6	1547.1	1519.5
70°	836.8	5753.3	10777.1	11468.1	9951.3	4955.0	823.1	696.5	693.7	668.9
72.5°	547.8	3088.6	6067.1	6755.3	6403.0	2851.9	498.3	465.2	476.2	465.2
75°	327.6	671.7	1021.3	1326.8	1021.3	479.0	300.1	294.5	300.1	286.3
77.5°	192.7	187.2	181.7	181.7	178.9	165.2	151.4	145.9	148.6	151.4
80°	123.9	118.4	112.9	110.1	96.3	90.8	85.3	79.8	79.8	82.6
82.5°	79.8	74.3	68.8	60.6	49.5	41.3	38.5	33.0	33.0	35.8
85°	41.3	33.0	24.8	19.3	11.0	5.5	0.0	0.0	0.0	0.0
87.5°	8.3	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

(END OF REPORT)