

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: P643763

Luminaire Tested: GWS-SA6F-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643763  
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-SAGF-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**

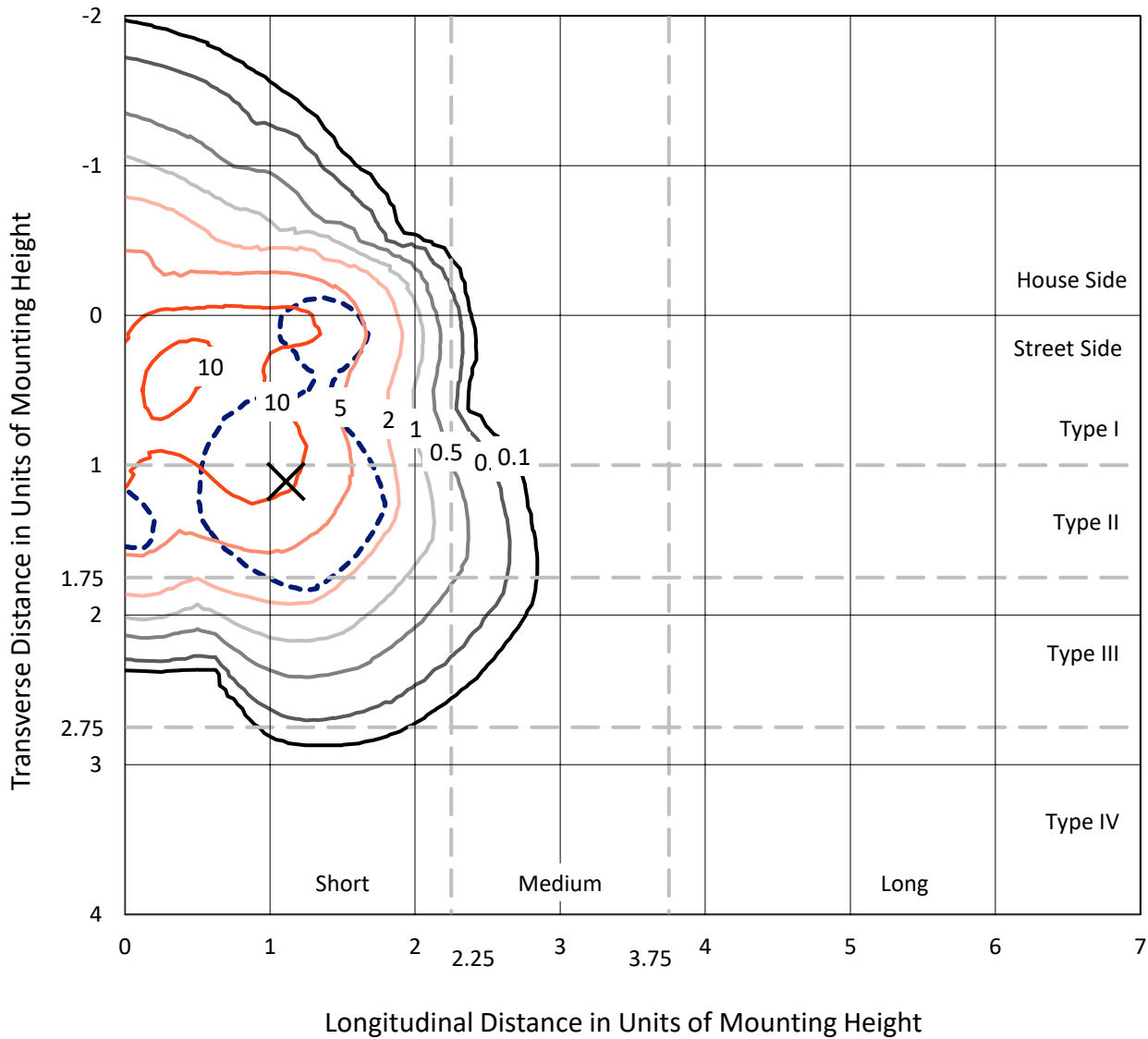
Lumens per Lamp: N/A  
Luminaire Lumens: 27160.6 lumens  
Efficiency: N/A  
Efficacy: 72.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

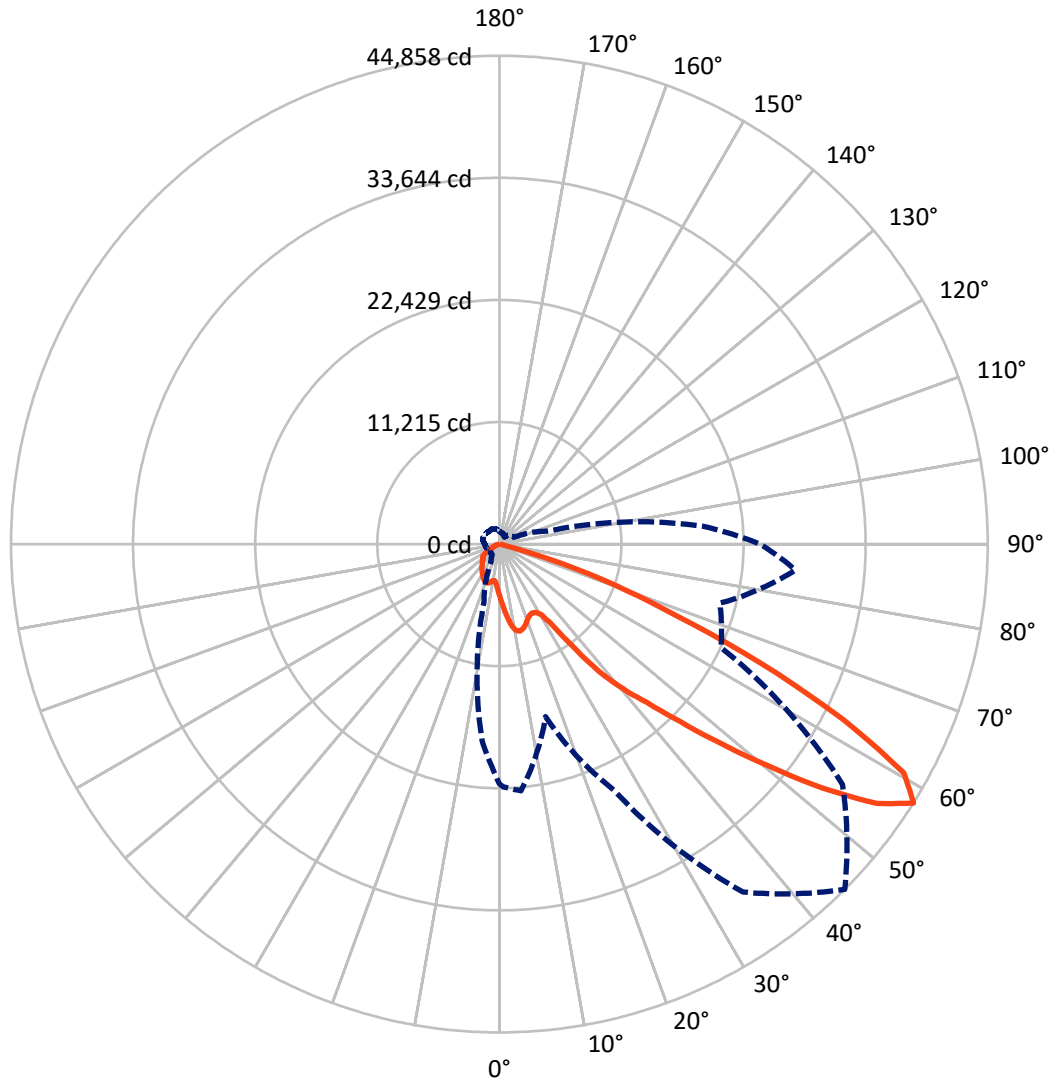
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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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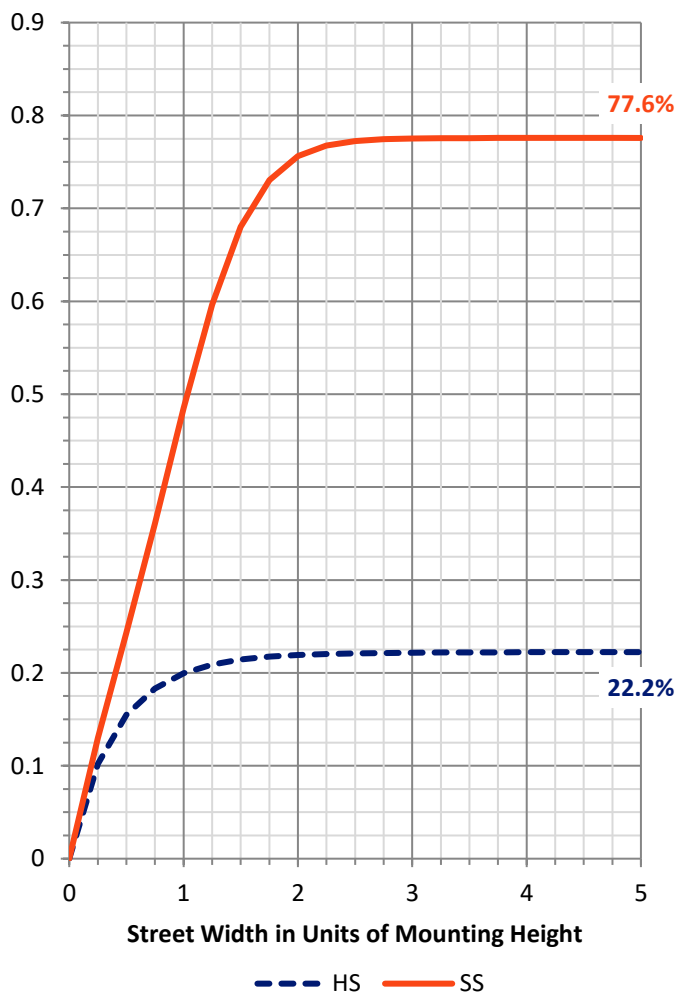
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6082.0	0.0	6082.0
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	21078.6	0.0	21078.6
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	27160.6	0.0	27160.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.6	1.7
10°-20°	1519.2	5.6
20°-30°	2467.9	9.1
30°-40°	3813.2	14.0
40°-50°	6114.5	22.5
50°-60°	8356.9	30.8
60°-70°	4047.5	14.9
70°-80°	370.6	1.4
80°-90°	1.1	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°	27160.6	100.0
0°-180°	27160.6	100.0

**Coefficient of Utilization**



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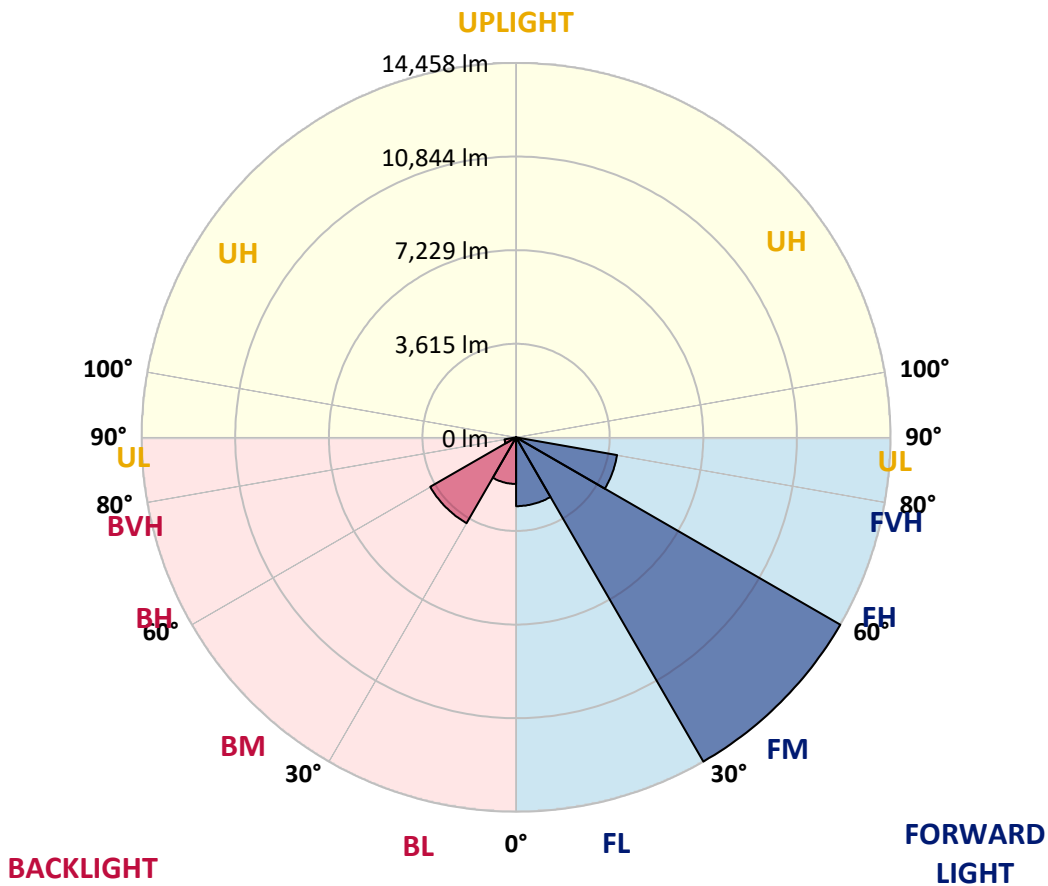
CATALOG NUMBER: GWS-SA6F-750-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2657.1	9.8			
FM (30°-60°)	14458.2	53.2			
FH (60°-80°)	3962.2	14.6			G2/5000
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	1799.6	6.6	B3/2500		
BM (30°-60°)	3826.5	14.1	B3/5000		
BH (60°-80°)	455.9	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°	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8
2.5°	5171.6	5204.4	5259.2	5376.0	5474.5	5540.2	5569.4	5562.1	5521.9	5492.8	5434.4
5°	5726.3	5726.3	5832.2	6098.6	6303.0	6430.7	6496.4	6456.3	6376.0	6248.2	6051.2
7.5°	6211.7	6230.0	6408.8	6788.4	7098.6	7281.1	7386.9	7365.0	7222.7	6978.2	6584.0
10°	6591.3	6613.2	6850.4	7313.9	7678.9	7865.0	8022.0	8036.6	7879.6	7554.8	7102.3
12.5°	6959.9	6981.8	7230.0	7675.3	7996.4	8073.1	8211.8	8266.5	8226.4	7996.4	7525.6
15°	7357.7	7408.8	7620.5	7952.6	8087.7	7996.4	8087.7	8186.2	8321.2	8299.3	7876.0
17.5°	7748.2	7784.7	8000.1	8116.9	7967.2	7730.0	7773.8	7890.6	8197.2	8496.4	8222.7
20°	8109.6	8160.7	8339.5	8186.2	7733.6	7365.0	7368.7	7522.0	7989.1	8616.9	8576.7
22.5°	8489.1	8565.8	8693.5	8262.9	7518.3	7076.7	7095.0	7233.6	7824.9	8730.0	8978.2
25°	8985.5	9058.5	9142.4	8452.6	7449.0	6934.4	7003.7	7131.5	7824.9	8923.4	9474.5
27.5°	9657.0	9708.1	9711.8	8806.7	7569.4	6956.3	7102.3	7248.2	8058.5	9310.3	10138.8
30°	10500.1	10580.4	10474.5	9357.8	7945.3	7248.2	7463.6	7646.1	8562.1	9963.6	11116.9
32.5°	11525.7	11638.8	11496.5	10175.3	8730.0	8255.6	8646.1	8751.9	9365.1	10908.9	12226.4
35°	12730.0	12824.9	12671.7	11306.7	10562.1	10649.7	11357.8	11222.7	10978.2	12073.1	13522.0
37.5°	14051.2	14138.8	13843.2	13022.0	13270.2	13649.8	14781.2	14317.7	13529.3	13573.1	14927.1
40°	15262.9	15357.8	14894.3	14887.0	15398.0	16091.4	17456.4	16817.7	15744.7	15536.6	16244.7
42.5°	16518.4	16584.1	16164.4	15879.7	17040.3	18467.3	19912.6	19051.3	17211.8	16985.6	17894.3
45°	18310.4	18449.1	17700.9	16368.8	18518.4	21200.9	23215.5	21533.0	18211.8	18029.4	20419.9
47.5°	20945.5	21047.6	19522.1	16675.3	19894.3	24606.1	27343.3	24752.1	19091.4	18675.4	23872.5
50°	23124.3	23193.6	21197.3	17011.1	21357.9	28277.6	32047.7	28569.6	20080.5	19744.7	27095.1
52.5°	24730.2	24992.9	23398.0	17700.9	23281.2	32595.2	37255.8	33091.5	21624.3	21810.4	29766.7
55°	25062.3	25419.9	24901.7	18124.3	24974.7	36993.0	42066.1	37139.0	23164.4	23376.1	30664.5
57.5°	22025.8	22310.4	22741.1	16416.2	24934.5	39007.7	44858.1	38482.1	22463.7	20963.7	27303.2
60°	16500.2	16697.2	17478.3	12547.6	22930.9	37226.6	42682.9	36197.4	19642.5	15996.5	20803.1
62.5°	9784.8	9872.4	10861.4	8127.8	19033.0	32058.7	35398.1	31233.9	15522.0	10759.2	12741.0
65°	3755.5	3719.0	4474.5	4011.0	13996.5	25536.7	26328.7	23810.4	10649.7	4930.7	4857.7
67.5°	580.3	554.7	748.2	1186.1	10095.0	17697.2	17372.4	17160.7	6671.6	1149.6	1003.7
70°	131.4	131.4	160.6	350.4	6167.9	10397.9	11127.8	10609.6	4270.1	244.5	131.4
72.5°	62.0	62.0	76.6	149.6	2233.6	4284.7	4992.7	4916.1	1386.9	80.3	47.4
75°	21.9	25.5	25.5	32.8	135.0	222.6	511.0	365.0	87.6	0.0	0.0
77.5°	7.3	7.3	7.3	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.6	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°	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8
2.5°	5306.6	5281.1	5186.2	5058.4	4934.4	4824.9	4711.7	4576.7	4478.1	4365.0	4328.5
5°	5897.9	5737.3	5478.2	5208.1	4959.9	4748.2	4543.8	4324.9	4164.3	4003.7	3948.9
7.5°	6397.9	6160.6	5740.9	5335.8	4996.4	4697.1	4401.5	4102.2	3868.6	3678.9	3620.5
10°	6846.8	6573.1	6011.0	5511.0	5084.0	4737.3	4379.6	4003.7	3700.8	3474.5	3419.7
12.5°	7233.6	6916.1	6240.9	5642.4	5120.5	4722.7	4376.0	4076.7	3803.0	3543.8	3474.5
15°	7558.5	7208.1	6434.4	5730.0	5065.7	4540.2	4237.3	4189.8	4167.9	3883.2	3748.2
17.5°	7876.0	7481.8	6591.3	5770.1	4912.5	4219.0	4000.0	4215.4	4445.3	4259.2	4087.6
20°	8208.1	7759.2	6751.9	5777.4	4657.0	3857.7	3821.2	4160.6	4452.6	4394.2	4233.6
22.5°	8598.6	8105.9	6952.6	5773.8	4335.8	3551.1	3689.8	4054.8	4292.0	4288.4	4160.6
25°	9164.3	8543.9	7222.7	5795.7	3985.4	3313.9	3543.8	3875.9	4069.4	4062.1	3956.2
27.5°	9770.2	9065.8	7573.1	5850.4	3686.2	3175.2	3372.3	3631.4	3799.3	3792.0	3700.8
30°	10620.5	9668.0	7908.8	5854.1	3470.8	3102.2	3182.5	3361.3	3521.9	3503.7	3434.3
32.5°	11653.4	10346.8	8189.9	5646.0	3335.8	3032.9	2985.4	3076.7	3200.8	3175.2	3157.0
35°	12901.6	11153.4	8430.7	5189.8	3127.8	2894.2	2766.4	2784.7	2872.3	2886.9	2879.6
37.5°	14325.0	12113.3	8730.0	4587.6	2846.7	2693.5	2521.9	2507.3	2558.4	2605.9	2642.4
40°	15730.1	13193.6	9135.1	3978.1	2591.3	2438.0	2273.7	2237.2	2259.1	2343.1	2419.7
42.5°	17310.4	14445.4	9573.1	3456.2	2416.1	2157.0	2000.0	1930.7	1992.7	2127.8	2219.0
45°	19587.8	16200.9	10000.1	3040.2	2343.1	1908.8	1697.1	1689.8	1759.1	1934.3	2036.5
47.5°	22784.9	18471.0	10281.1	2715.4	2339.4	1715.3	1463.5	1507.3	1587.6	1759.1	1875.9
50°	25901.7	21314.1	9970.9	2467.2	2262.8	1587.6	1288.3	1375.9	1456.2	1605.9	1726.3
52.5°	27781.3	22843.3	8762.9	2233.6	2025.6	1529.2	1116.8	1270.1	1284.7	1419.7	1547.5
55°	27584.2	21854.2	6711.7	1872.3	1675.2	1445.3	938.0	1146.0	1153.3	1255.5	1365.0
57.5°	23941.8	18762.9	4609.5	1518.3	1259.1	1193.4	773.7	967.2	1036.5	1098.6	1178.8
60°	17843.2	13689.9	2054.8	1233.6	799.3	806.6	660.6	729.9	835.8	908.8	978.1
62.5°	10514.7	7876.0	835.8	740.9	441.6	507.3	532.9	532.9	598.5	653.3	697.1
65°	3974.5	2755.5	339.4	372.3	229.9	237.2	313.9	386.9	438.0	485.4	543.8
67.5°	697.1	481.8	175.2	138.7	135.0	120.4	160.6	251.8	281.0	317.5	343.1
70°	116.8	98.5	73.0	69.3	62.0	65.7	105.8	178.8	197.1	208.0	219.0
72.5°	32.8	29.2	21.9	18.2	14.6	18.2	65.7	138.7	146.0	153.3	164.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	25.5	98.5	105.8	109.5	120.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9	29.2	36.5	29.2
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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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8
2.5°	4306.6	4233.6	4193.5	4171.6	4171.6	4142.4	4109.5	4098.6	4146.0	4146.0	4226.3
5°	3879.6	3821.2	3755.5	3715.4	3653.3	3664.3	3627.8	3624.1	3671.6	3693.5	3777.4
7.5°	3584.0	3511.0	3470.8	3445.3	3412.4	3397.8	3365.0	3354.0	3379.6	3416.1	3496.4
10°	3386.9	3375.9	3372.3	3390.5	3390.5	3372.3	3343.1	3324.8	3332.1	3401.5	3492.7
12.5°	3438.0	3459.9	3467.2	3496.4	3511.0	3496.4	3474.5	3481.8	3529.2	3657.0	3792.0
15°	3660.6	3642.4	3635.1	3649.7	3660.6	3646.0	3638.7	3693.5	3857.7	4040.2	4193.5
17.5°	3897.8	3781.1	3730.0	3730.0	3737.3	3730.0	3737.3	3843.1	4109.5	4292.0	4405.2
20°	4018.3	3803.0	3722.7	3704.4	3719.0	3722.7	3748.2	3868.6	4160.6	4288.4	4313.9
22.5°	3981.8	3711.7	3620.5	3605.9	3620.5	3635.1	3660.6	3762.8	4036.5	4102.2	4091.3
25°	3799.3	3532.9	3459.9	3459.9	3492.7	3489.1	3500.0	3573.0	3799.3	3839.5	3821.2
27.5°	3569.4	3317.5	3255.5	3292.0	3321.2	3313.9	3317.5	3379.6	3547.5	3558.4	3540.2
30°	3335.8	3116.8	3058.4	3102.2	3142.4	3135.1	3138.7	3200.8	3306.6	3295.7	3270.1
32.5°	3098.6	2938.0	2894.2	2919.7	2981.8	2974.5	2989.1	3054.8	3094.9	3047.5	3018.3
35°	2879.6	2795.6	2762.8	2777.4	2824.8	2835.8	2861.3	2905.1	2905.1	2846.7	2795.6
37.5°	2675.2	2664.3	2642.4	2624.1	2667.9	2700.8	2737.3	2788.3	2715.4	2631.4	2584.0
40°	2485.4	2532.9	2503.7	2456.2	2481.8	2529.2	2602.2	2642.4	2554.8	2470.8	2390.5
42.5°	2310.2	2390.5	2379.6	2321.2	2343.1	2386.9	2470.8	2503.7	2401.5	2306.6	2229.9
45°	2142.4	2255.5	2262.8	2189.8	2211.7	2255.5	2354.0	2365.0	2233.6	2131.4	2076.7
47.5°	1996.4	2120.5	2124.1	2069.4	2076.7	2138.7	2229.9	2233.6	2084.0	1989.1	1919.7
50°	1857.7	2000.0	2011.0	1963.5	1970.8	2043.8	2120.5	2105.9	1945.3	1846.7	1784.7
52.5°	1689.8	1883.2	1908.8	1886.9	1916.1	1974.5	2021.9	1970.8	1784.7	1686.1	1631.4
55°	1507.3	1759.1	1813.9	1799.3	1832.1	1879.6	1890.5	1857.7	1624.1	1525.6	1474.5
57.5°	1295.6	1448.9	1543.8	1514.6	1540.2	1587.6	1620.5	1594.9	1419.7	1343.1	1299.3
60°	1073.0	1175.2	1197.1	1149.6	1127.7	1211.7	1288.3	1255.5	1105.8	1058.4	1007.3
62.5°	784.7	901.5	916.1	854.0	828.5	919.7	985.4	952.6	788.3	737.2	697.1
65°	627.7	737.2	766.4	708.0	693.4	762.8	802.9	722.6	605.8	551.1	507.3
67.5°	412.4	500.0	576.6	573.0	543.8	565.7	536.5	470.8	386.9	357.7	328.5
70°	255.5	306.6	354.0	372.3	368.6	361.3	321.2	273.7	248.2	237.2	222.6
72.5°	197.1	248.2	284.7	295.6	299.3	288.3	255.5	211.7	186.1	171.5	160.6
75°	146.0	186.1	215.3	229.9	237.2	229.9	197.1	167.9	142.3	131.4	120.4
77.5°	51.1	62.0	76.6	83.9	80.3	76.6	69.3	69.3	54.7	51.1	43.8
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: P643763

CATALOG NUMBER: GWS-SA6F-750-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8	4773.8
2.5°	4317.6	4383.3	4503.7	4613.2	4730.0	4850.4	4981.8	5116.8	5178.9	5171.6
5°	3905.1	4047.5	4244.6	4459.9	4700.8	4959.9	5248.2	5543.8	5671.6	5726.3
7.5°	3646.0	3846.8	4105.9	4379.6	4697.1	5065.7	5500.1	5963.6	6149.7	6211.7
10°	3678.9	3912.4	4127.8	4394.2	4733.6	5211.7	5751.9	6303.0	6522.0	6591.3
12.5°	3945.3	3996.4	4054.8	4273.8	4700.8	5321.2	5981.8	6638.7	6890.6	6959.9
15°	4186.2	3948.9	3839.5	4040.2	4584.0	5397.9	6215.4	7000.1	7277.4	7357.7
17.5°	4197.1	3839.5	3594.9	3751.9	4394.2	5430.7	6445.3	7368.7	7671.6	7748.2
20°	4062.1	3719.0	3405.1	3408.8	4135.1	5423.4	6635.1	7700.8	8040.2	8109.6
22.5°	3865.0	3576.7	3251.9	3138.7	3857.7	5408.8	6843.1	8054.8	8423.4	8489.1
25°	3646.0	3394.2	3105.9	2934.3	3580.3	5423.4	7135.1	8518.3	8923.4	8985.5
27.5°	3408.8	3193.5	2992.7	2854.0	3346.7	5478.2	7485.5	9109.6	9591.3	9657.0
30°	3160.6	3000.0	2919.7	2835.8	3200.8	5492.8	7865.0	9799.4	10408.9	10500.1
32.5°	2916.1	2828.5	2832.1	2846.7	3062.1	5390.6	8211.8	10565.8	11379.7	11525.7
35°	2689.8	2664.3	2737.3	2810.2	2861.3	5127.8	8514.7	11470.9	12580.4	12730.0
37.5°	2496.4	2518.3	2609.5	2682.5	2642.4	4755.5	8916.1	12602.3	13923.5	14051.2
40°	2310.2	2365.0	2470.8	2503.7	2474.5	4321.2	9397.9	13693.6	15087.7	15262.9
42.5°	2138.7	2178.9	2328.5	2335.8	2427.0	3879.6	9861.4	14868.8	16427.2	16518.4
45°	2000.0	1992.7	2146.0	2193.5	2489.1	3390.5	10314.0	16434.5	18179.0	18310.4
47.5°	1865.0	1857.7	1894.2	2109.5	2514.6	2938.0	10762.9	18726.5	20719.2	20945.5
50°	1737.2	1748.2	1635.1	2069.4	2375.9	2591.3	10967.3	20846.9	23029.4	23124.3
52.5°	1624.1	1584.0	1386.9	1938.0	2080.3	2262.8	10387.0	21810.4	24460.1	24730.2
55°	1463.5	1240.9	1142.3	1573.0	1642.4	1974.5	8507.4	21252.0	24584.2	25062.3
57.5°	1251.8	974.5	970.8	1160.6	1160.6	1832.1	5449.0	18157.1	21186.3	22025.8
60°	963.5	755.5	802.9	806.6	744.5	1335.8	3058.4	13153.4	15664.4	16500.2
62.5°	686.1	576.6	605.8	481.8	427.0	667.9	1467.2	7573.1	9668.0	9784.8
65°	459.9	390.5	317.5	266.4	262.8	284.7	605.8	2737.3	3328.5	3755.5
67.5°	302.9	237.2	167.9	167.9	189.8	189.8	229.9	452.6	635.0	580.3
70°	197.1	164.2	105.8	102.2	124.1	124.1	116.8	124.1	131.4	131.4
72.5°	146.0	124.1	62.0	54.7	69.3	73.0	65.7	62.0	62.0	62.0
75°	109.5	87.6	36.5	25.5	32.8	43.8	36.5	25.5	25.5	21.9
77.5°	43.8	32.8	14.6	10.9	18.2	25.5	21.9	10.9	7.3	7.3
80°	3.6	7.3	7.3	7.3	10.9	14.6	18.2	7.3	3.6	3.6
82.5°	0.0	3.6	3.6	3.6	7.3	10.9	14.6	7.3	3.6	3.6
85°	0.0	0.0	0.0	0.0	7.3	10.9	7.3	3.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	3.6	10.9	7.3	3.6	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)