

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: P643764

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643764
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-SAGF-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39832.1 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

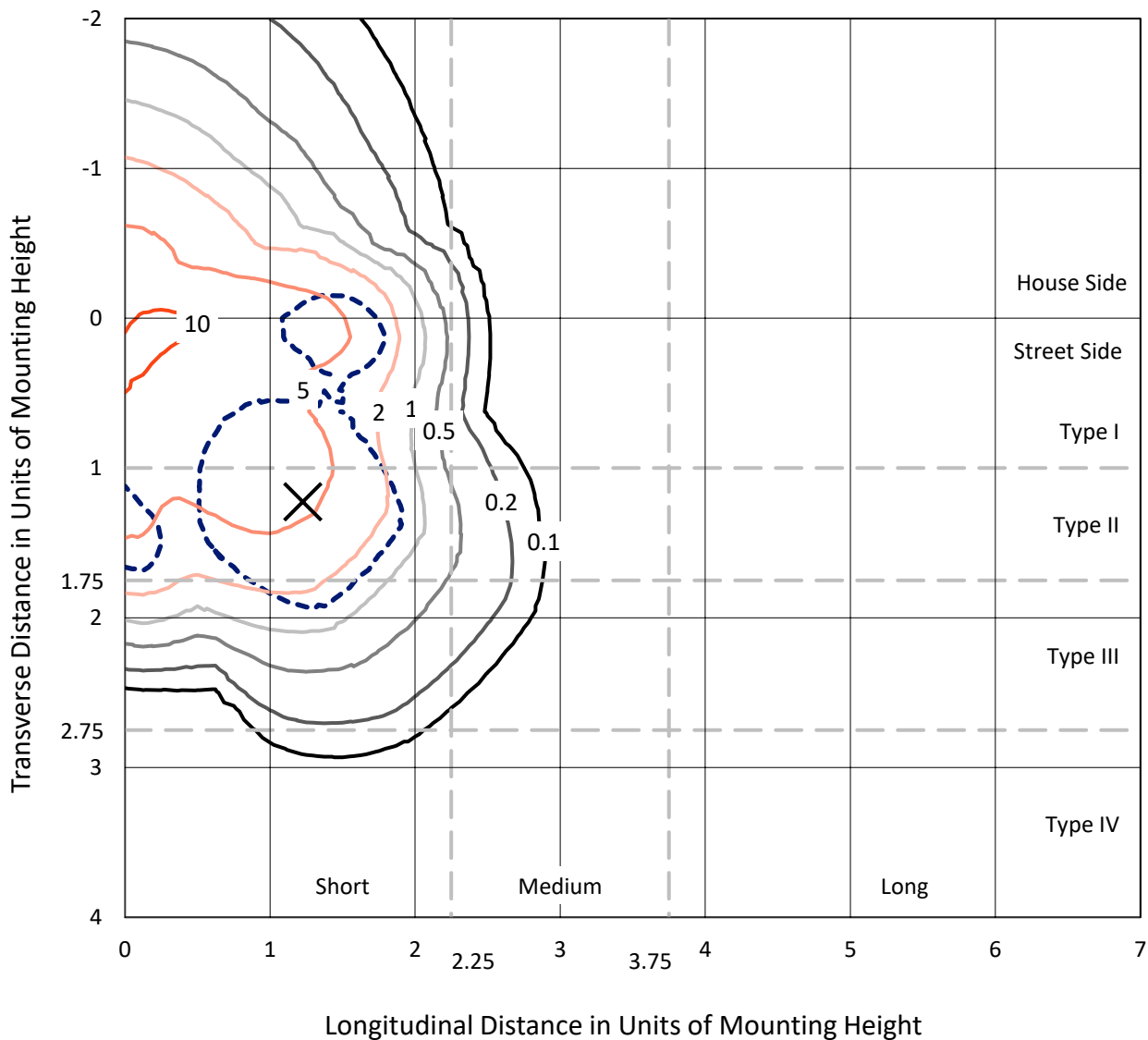
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643764
 CATALOG NUMBER: GWS-SA6F-750-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

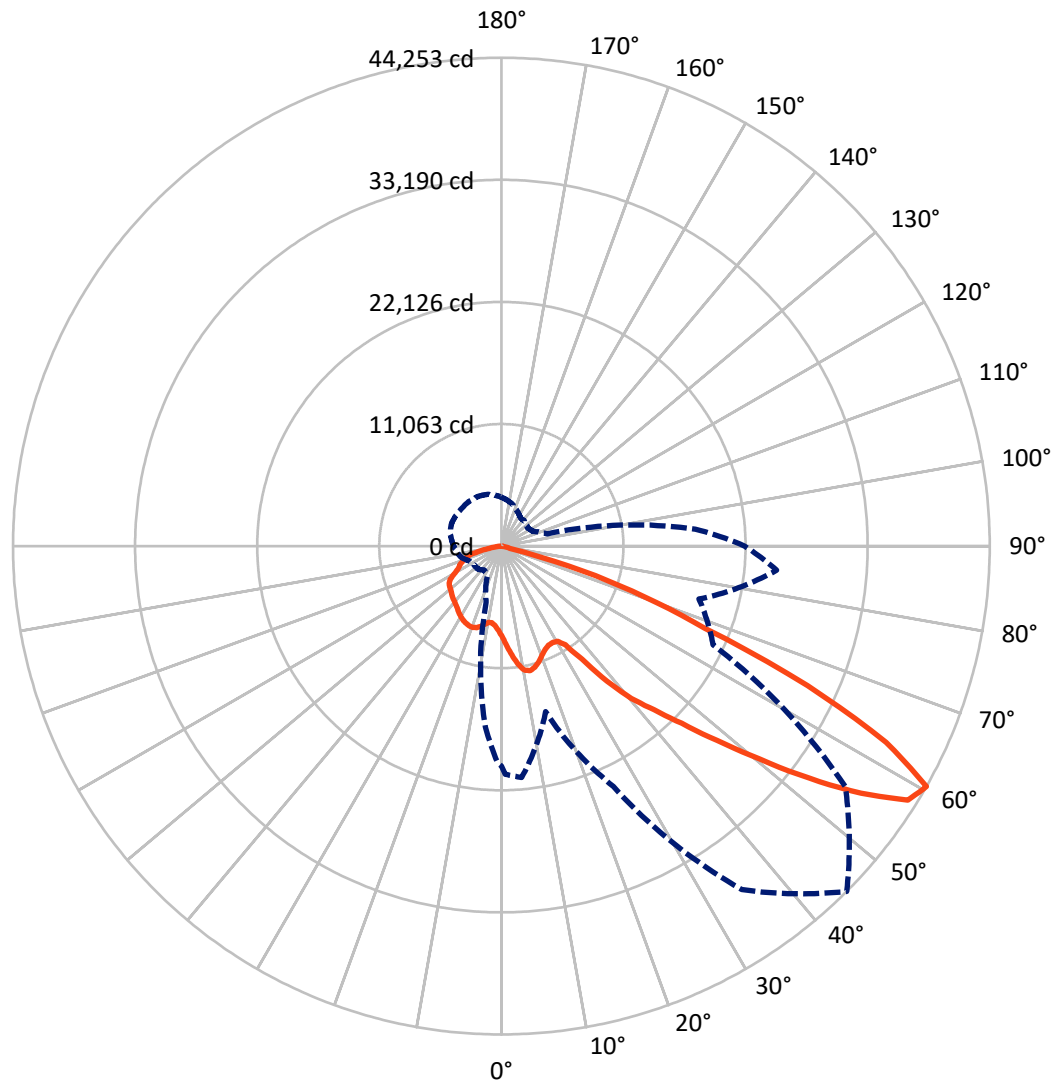
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

REPORT NUMBER: P643764
CATALOG NUMBER: GWS-SA6F-750-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643764

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13962.6	0.0	13962.6
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	25869.5	0.0	25869.5
	% Fixture	64.9	0.0	64.9
Total	Lumens	39832.1	0.0	39832.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.3	2.0
10°-20°	2522.8	6.3
20°-30°	4098.0	10.3
30°-40°	5779.4	14.5
40°-50°	7987.0	20.1
50°-60°	10281.6	25.8
60°-70°	6514.5	16.4
70°-80°	1671.6	4.2
80°-90°	178.8	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°	39832.1	100.0
0°-180°	39832.1	100.0

Coefficient of Utilization



REPORT NUMBER: P643764

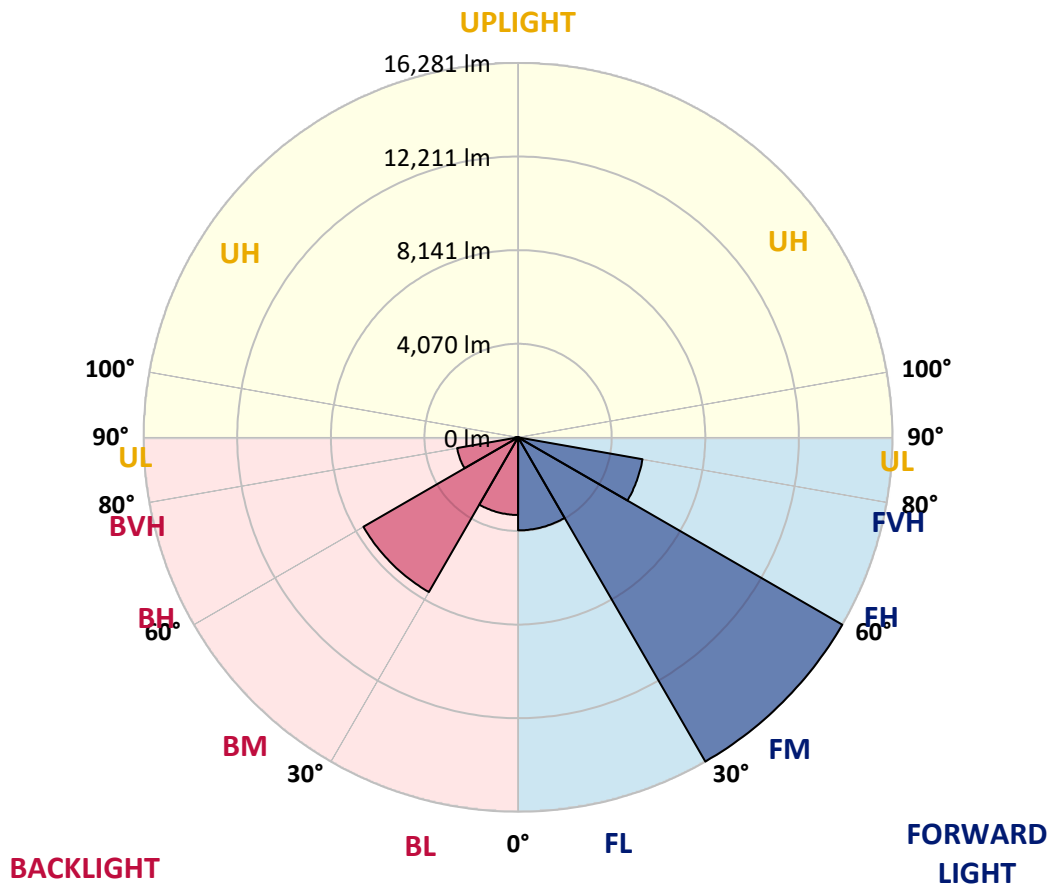
CATALOG NUMBER: GWS-SA6F-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4044.5	10.2			
FM (30°-60°)	16281.1	40.9			
FH (60°-80°)	5495.4	13.8			G3/7500
FVH (80°-90°)	48.5	0.1			G1/100
BL (0°-30°)	3374.7	8.5	B4/5000		
BM (30°-60°)	7766.9	19.5	B4/8500		
BH (60°-80°)	2690.7	6.8	B4/5000		G4/5000
BVH (80°-90°)	130.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





REPORT NUMBER: P643764

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7
2.5°	8558.6	8617.0	8653.5	8722.8	8846.9	8916.3	8992.9	8909.0	8930.9	8919.9	8784.9
5°	9065.9	9135.3	9230.2	9434.5	9664.5	9792.2	9912.6	9894.4	9781.3	9591.5	9456.4
7.5°	9540.4	9620.7	9784.9	10117.0	10456.5	10653.5	10799.5	10704.6	10609.7	10310.5	9971.0
10°	9912.6	9960.1	10182.7	10628.0	11022.2	11244.8	11423.6	11401.7	11270.3	10934.6	10478.4
12.5°	10263.0	10295.9	10536.8	10982.0	11336.0	11434.6	11580.6	11628.0	11584.2	11332.4	10883.5
15°	10638.9	10701.0	10923.6	11263.0	11423.6	11321.4	11372.5	11503.9	11628.0	11628.0	11215.6
17.5°	10989.3	11044.1	11270.3	11416.3	11263.0	10993.0	11007.6	11175.5	11471.1	11781.3	11518.5
20°	11299.5	11350.6	11573.3	11434.6	10949.2	10555.0	10544.1	10748.4	11226.6	11879.9	11843.4
22.5°	11639.0	11712.0	11898.1	11449.2	10657.2	10157.2	10153.5	10365.2	11011.2	11978.4	12215.6
25°	12120.7	12233.9	12328.8	11576.9	10500.3	9898.1	9945.5	10146.2	10941.9	12139.0	12766.7
27.5°	12836.1	12927.3	12920.0	11843.4	10493.0	9792.2	9890.8	10124.3	11066.0	12423.7	13347.0
30°	13609.8	13657.3	13580.6	12215.6	10660.8	9857.9	10003.9	10281.3	11379.8	12894.5	14201.1
32.5°	14467.5	14525.9	14379.9	12774.0	11051.4	10343.3	10664.5	10799.5	11821.5	13573.3	15106.2
35°	15452.9	15566.1	15263.1	13511.3	12201.0	12113.4	12580.6	12405.4	12759.4	14376.3	16073.4
37.5°	16489.5	16493.1	16058.8	14602.5	14456.6	14606.2	15540.5	14993.1	14748.5	15270.4	17058.8
40°	17369.0	17347.1	16679.2	16073.4	16420.1	17015.0	18142.8	17303.3	16661.0	16471.2	17876.3
42.5°	18248.6	18168.3	17493.1	17007.7	17774.2	18996.8	20270.6	19241.3	17887.3	17562.5	18682.9
45°	19372.7	19347.2	18533.3	17380.0	18996.8	21215.8	22905.7	21237.7	18613.6	18197.5	20026.0
47.5°	21186.6	21062.6	19547.9	17350.8	20142.8	24172.1	26307.2	23752.4	19120.9	18212.1	22194.0
50°	22960.4	22807.1	20759.6	17347.1	21325.3	27237.9	30321.9	26807.2	19639.2	18299.7	24398.4
52.5°	24752.4	24752.4	22748.7	17759.6	22566.2	30661.3	34960.7	30613.9	20522.4	19445.7	27110.1
55°	25818.1	26102.8	24986.0	18456.7	24018.8	34690.6	39548.4	34723.5	21887.4	21515.1	29613.9
57.5°	24464.1	24997.0	24836.4	17971.2	24876.5	37650.6	43439.0	37840.3	22562.6	21759.7	29237.9
60°	19934.8	20675.7	21044.3	15518.6	24029.8	37993.6	44252.9	38044.7	21168.4	18529.6	25044.4
62.5°	13252.1	13861.7	14423.7	11087.9	20803.4	34179.7	39139.6	34190.6	17679.3	13828.8	17350.8
65°	6500.2	6952.7	7558.6	6554.9	16252.2	28559.1	30515.3	27628.4	12788.6	7741.1	8850.6
67.5°	1700.8	1828.5	1912.5	2543.9	11642.6	20518.7	19901.9	20208.5	8215.5	2529.3	2313.9
70°	883.2	890.5	886.9	1051.1	7868.8	13040.5	13715.7	12690.1	5733.7	1058.4	912.4
72.5°	631.4	635.1	624.1	708.0	3799.4	7471.0	7741.1	7657.1	3003.7	627.8	624.1
75°	412.4	416.1	408.8	416.1	573.0	850.4	784.7	824.8	500.0	397.8	397.8
77.5°	244.5	248.2	244.5	251.8	244.5	244.5	226.3	226.3	215.3	215.3	219.0
80°	164.2	164.2	160.6	167.9	153.3	153.3	146.0	142.3	131.4	127.7	127.7
82.5°	98.5	102.2	98.5	98.5	91.2	91.2	83.9	80.3	69.3	69.3	65.7
85°	51.1	51.1	47.4	47.4	40.1	36.5	29.2	29.2	21.9	18.2	18.2
87.5°	7.3	7.3	3.6	3.6	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: P643764

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7
2.5°	8748.4	8675.4	8565.9	8460.1	8361.5	8259.3	8142.5	8022.1	7919.9	7814.1	7759.3
5°	9277.6	9128.0	8843.3	8591.4	8365.2	8179.0	7978.3	7806.8	7646.2	7514.8	7449.1
7.5°	9755.7	9522.1	9091.5	8693.6	8387.1	8131.6	7854.2	7598.7	7383.4	7222.8	7160.8
10°	10197.3	9919.9	9354.2	8850.6	8492.9	8208.2	7868.8	7522.1	7237.4	7025.7	6974.6
12.5°	10555.0	10237.5	9562.3	8978.3	8555.0	8248.4	7949.1	7649.8	7368.8	7095.1	7051.3
15°	10872.5	10496.6	9719.2	9058.6	8533.1	8142.5	7890.7	7854.2	7854.2	7544.0	7456.4
17.5°	11146.3	10733.8	9847.0	9095.1	8394.4	7828.7	7675.4	7992.9	8350.6	8127.9	7930.8
20°	11460.1	10960.1	9952.8	9095.1	8138.9	7430.8	7416.2	7956.4	8485.6	8489.3	8281.2
22.5°	11777.7	11222.9	10076.9	9062.3	7788.5	6971.0	7241.1	7810.4	8281.2	8482.0	8339.6
25°	12292.3	11587.9	10274.0	9036.7	7379.7	6657.1	7084.1	7617.0	8014.8	8226.5	8135.2
27.5°	12945.6	12069.6	10573.2	9076.9	6974.6	6471.0	6916.2	7365.1	7726.5	7912.6	7846.9
30°	13675.5	12624.4	10894.4	9146.2	6682.6	6376.1	6715.5	7076.8	7398.0	7584.1	7554.9
32.5°	14606.2	13226.6	11171.8	9051.3	6518.4	6328.6	6503.8	6762.9	7073.2	7190.0	7215.5
35°	15719.4	13890.8	11383.5	8679.0	6368.8	6277.5	6273.9	6434.5	6653.4	6839.6	6857.8
37.5°	16744.9	14668.2	11617.1	8040.3	6098.7	6149.8	6003.8	6098.7	6314.0	6500.2	6573.2
40°	17759.6	15456.6	11941.9	7226.5	5744.7	5865.1	5693.6	5759.3	5930.8	6175.3	6292.1
42.5°	18745.0	16168.3	12285.0	6394.3	5390.6	5467.3	5339.5	5405.2	5584.1	5890.7	6022.0
45°	19818.0	17131.8	12551.4	5609.6	5084.1	5051.2	4949.0	5043.9	5314.0	5649.8	5806.7
47.5°	21847.2	18650.1	12726.6	5087.7	4919.8	4682.6	4565.8	4770.2	5076.8	5416.2	5606.0
50°	24325.4	20847.2	12675.5	4755.6	4777.5	4303.0	4262.9	4533.0	4861.4	5215.5	5423.5
52.5°	26289.0	23004.2	12095.2	4438.1	4500.1	4062.1	3945.4	4339.5	4653.4	5014.7	5230.1
55°	27789.0	23730.5	10314.1	4062.1	4047.5	3887.0	3642.4	4138.8	4445.4	4781.1	5014.7
57.5°	26566.3	22113.7	7646.2	3543.9	3456.3	3540.2	3303.0	3799.4	4189.9	4522.0	4730.0
60°	22048.0	17631.8	4259.2	3138.8	2890.6	3095.0	3058.5	3441.7	3912.5	4262.9	4441.7
62.5°	14967.5	11741.2	2525.6	2481.8	2343.1	2635.1	2828.5	3080.4	3543.9	3828.6	3996.4
65°	7460.0	5704.5	1678.9	1857.7	1876.0	2167.9	2532.9	2810.3	3197.2	3489.1	3657.0
67.5°	2164.3	1773.8	1277.4	1419.7	1616.8	1850.4	2142.4	2470.9	2846.8	3193.5	3390.6
70°	934.3	945.3	1014.6	1182.5	1375.9	1616.8	1908.8	2230.0	2547.5	2813.9	2963.6
72.5°	660.6	686.1	762.8	934.3	1116.8	1346.7	1638.7	1949.0	2178.9	2449.0	2605.9
75°	423.4	441.6	503.7	635.1	770.1	992.7	1270.1	1554.8	1792.0	1985.4	2135.1
77.5°	233.6	237.2	288.3	365.0	456.2	598.6	802.9	1025.6	1200.8	1310.3	1445.3
80°	135.0	135.0	160.6	208.0	262.8	350.4	463.5	573.0	678.8	748.2	813.9
82.5°	73.0	73.0	83.9	113.1	142.3	193.4	259.1	313.9	379.6	416.1	459.9
85°	21.9	21.9	29.2	40.1	51.1	73.0	102.2	131.4	160.6	186.1	211.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
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: P643764

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7
2.5°	7748.4	7697.3	7668.1	7631.6	7642.5	7609.7	7591.4	7602.4	7536.7	7602.4	7668.1
5°	7423.5	7350.5	7292.1	7244.7	7222.8	7179.0	7153.5	7153.5	7113.3	7179.0	7259.3
7.5°	7138.9	7080.5	7051.3	7022.1	6989.2	6949.1	6905.3	6890.7	6865.1	6934.5	7003.8
10°	6949.1	6956.4	6974.6	7014.8	7007.5	6981.9	6916.2	6879.7	6879.7	6960.0	7065.9
12.5°	7036.7	7113.3	7157.1	7230.1	7244.7	7222.8	7157.1	7127.9	7200.9	7321.3	7496.5
15°	7376.1	7427.2	7463.7	7522.1	7518.4	7500.2	7449.1	7471.0	7711.9	7945.4	8102.4
17.5°	7744.7	7686.3	7679.0	7715.5	7726.5	7704.6	7675.4	7773.9	8171.7	8390.7	8471.0
20°	8011.1	7810.4	7766.6	7781.2	7810.4	7799.5	7799.5	7960.0	8372.5	8474.7	8372.5
22.5°	8091.4	7806.8	7741.1	7744.7	7784.9	7788.5	7806.8	7974.6	8215.5	8219.2	8062.2
25°	7963.7	7690.0	7642.5	7649.8	7697.3	7693.6	7700.9	7795.8	7901.7	7857.9	7741.1
27.5°	7722.8	7485.6	7471.0	7511.1	7573.2	7540.3	7518.4	7544.0	7595.1	7540.3	7438.1
30°	7449.1	7248.4	7255.7	7332.3	7398.0	7343.2	7288.5	7303.1	7306.7	7248.4	7131.6
32.5°	7160.8	7011.1	7036.7	7117.0	7193.6	7135.2	7076.8	7069.5	7000.2	6930.8	6817.7
35°	6872.4	6814.0	6846.9	6912.6	6978.3	6930.8	6894.3	6872.4	6722.8	6620.6	6525.7
37.5°	6609.6	6653.4	6711.8	6752.0	6773.9	6770.2	6748.3	6697.2	6500.2	6379.7	6255.6
40°	6376.1	6511.1	6573.2	6591.4	6624.2	6616.9	6613.3	6540.3	6281.2	6153.4	6011.1
42.5°	6164.4	6354.2	6460.0	6478.3	6496.5	6500.2	6489.2	6383.4	6087.7	5938.1	5803.1
45°	5960.0	6208.2	6343.2	6325.0	6350.5	6350.5	6361.5	6222.8	5898.0	5744.7	5602.3
47.5°	5781.2	6073.1	6197.2	6175.3	6189.9	6200.9	6211.8	6051.2	5689.9	5543.9	5397.9
50°	5616.9	5927.2	6033.0	6040.3	6040.3	6065.8	6062.2	5905.3	5514.7	5357.8	5211.8
52.5°	5441.7	5777.5	5890.7	5938.1	5952.7	5963.6	5912.6	5730.1	5335.9	5146.1	5011.1
55°	5237.4	5624.2	5726.4	5788.5	5817.7	5810.4	5741.0	5554.9	5153.4	4963.6	4810.3
57.5°	4927.1	5295.7	5441.7	5470.9	5518.4	5489.2	5408.9	5252.0	4861.4	4671.6	4514.7
60°	4587.7	4854.1	4970.9	4996.5	4960.0	4970.9	4960.0	4810.3	4470.9	4321.3	4160.7
62.5°	4142.4	4379.7	4503.8	4536.6	4474.6	4514.7	4500.1	4314.0	3974.5	3817.6	3675.3
65°	3806.7	4065.8	4211.8	4230.0	4211.8	4230.0	4178.9	3952.7	3631.5	3470.9	3324.9
67.5°	3543.9	3810.3	3963.6	4014.7	3996.4	3992.8	3912.5	3649.7	3317.6	3142.4	2956.3
70°	3091.3	3324.9	3522.0	3646.1	3646.1	3576.7	3423.4	3178.9	2912.5	2762.8	2616.9
72.5°	2737.3	3032.9	3226.4	3354.1	3379.6	3339.5	3124.2	2865.0	2558.5	2408.8	2255.5
75°	2255.5	2543.9	2751.9	2919.8	2952.6	2908.8	2660.6	2405.2	2120.5	1974.5	1821.2
77.5°	1507.3	1678.9	1846.8	2000.0	1967.2	1996.4	1828.5	1635.1	1459.9	1350.4	1281.1
80°	850.4	963.5	1014.6	1098.6	1098.6	1098.6	989.1	897.8	799.3	737.2	667.9
82.5°	481.8	554.8	576.7	646.0	664.2	667.9	594.9	536.5	474.5	441.6	394.2
85°	222.6	262.8	266.4	306.6	321.2	350.4	317.5	277.4	240.9	226.3	197.1
87.5°	7.3	21.9	29.2	54.7	73.0	83.9	91.2	91.2	76.6	69.3	58.4
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: P643764

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7	8182.7
2.5°	7748.4	7836.0	7938.1	8011.1	8142.5	8252.0	8365.2	8489.3	8580.5	8558.6
5°	7357.8	7503.8	7690.0	7861.5	8106.0	8354.2	8627.9	8909.0	9073.2	9065.9
7.5°	7138.9	7346.9	7573.2	7803.1	8091.4	8449.1	8868.8	9306.8	9529.4	9540.4
10°	7255.7	7478.3	7631.6	7825.0	8127.9	8576.9	9080.5	9606.1	9861.6	9912.6
12.5°	7624.3	7606.0	7595.1	7733.8	8098.7	8668.1	9284.9	9912.6	10201.0	10263.0
15°	7974.6	7598.7	7372.4	7467.3	7967.3	8726.5	9485.6	10248.4	10573.2	10638.9
17.5°	8040.3	7471.0	7051.3	7117.0	7759.3	8744.7	9679.1	10576.9	10927.3	10989.3
20°	7857.9	7306.7	6817.7	6726.4	7496.5	8697.3	9799.5	10850.6	11233.8	11299.5
22.5°	7627.9	7160.8	6642.5	6405.3	7175.4	8649.8	9934.5	11139.0	11580.6	11639.0
25°	7387.0	6974.6	6478.3	6116.9	6810.4	8620.6	10160.8	11518.5	12051.4	12120.7
27.5°	7131.6	6748.3	6335.9	5978.2	6474.6	8657.1	10482.0	12131.7	12737.5	12836.1
30°	6857.8	6522.1	6244.7	5930.8	6244.7	8690.0	10836.0	12759.4	13471.1	13609.8
32.5°	6573.2	6314.0	6149.8	5952.7	6102.3	8613.3	11146.3	13463.8	14347.1	14467.5
35°	6288.5	6102.3	6029.3	5992.8	5912.6	8332.3	11398.1	14175.5	15347.1	15452.9
37.5°	6022.0	5883.4	5861.5	5901.6	5620.6	7872.5	11690.1	15080.7	16328.9	16489.5
40°	5773.9	5646.1	5642.5	5635.2	5299.4	7244.7	12084.2	16000.4	17296.0	17369.0
42.5°	5543.9	5383.3	5412.5	5324.9	5036.6	6565.9	12456.5	16785.1	18197.5	18248.6
45°	5339.5	5127.9	5160.7	5051.2	4912.5	5854.2	12785.0	17712.1	19339.9	19372.7
47.5°	5142.5	4916.2	4824.9	4817.6	4890.6	5197.2	13106.2	19496.8	21128.3	21186.6
50°	4960.0	4715.4	4456.3	4616.9	4755.6	4704.5	13507.6	21409.3	22975.0	22960.4
52.5°	4784.8	4463.6	4095.0	4405.2	4405.2	4339.5	13394.5	22569.9	24500.6	24752.4
55°	4584.1	4058.5	3719.1	4051.2	3890.6	4011.0	11390.8	22949.5	25460.5	25818.1
57.5°	4186.2	3558.5	3262.9	3441.7	3200.8	3719.1	8182.7	21066.2	23829.0	24464.1
60°	3803.0	3189.9	2996.4	2963.6	2649.7	3032.9	5303.0	16493.1	19613.6	19934.8
62.5°	3354.1	2872.3	2708.1	2456.3	2131.4	2208.1	3211.8	10854.3	13179.2	13252.1
65°	3014.7	2602.3	2288.4	1989.1	1744.6	1602.2	1897.9	5233.7	6587.8	6500.2
67.5°	2587.7	2230.0	1930.7	1715.4	1514.6	1335.8	1262.8	1554.8	1759.2	1700.8
70°	2303.0	1959.9	1671.6	1467.2	1281.1	1102.2	974.5	916.1	897.8	883.2
72.5°	1985.4	1686.2	1386.9	1189.8	1014.6	850.4	733.6	664.2	646.0	631.4
75°	1584.0	1303.0	1029.2	843.1	689.8	573.0	496.4	438.0	427.0	412.4
77.5°	1047.5	835.8	613.2	500.0	408.8	346.7	295.6	259.1	251.8	244.5
80°	576.7	481.8	375.9	302.9	244.5	211.7	193.4	171.5	167.9	164.2
82.5°	343.1	288.3	215.3	171.5	142.3	127.7	116.8	105.8	102.2	98.5
85°	171.5	135.0	94.9	80.3	73.0	65.7	65.7	54.7	51.1	51.1
87.5°	43.8	36.5	21.9	18.2	18.2	18.2	14.6	10.9	10.9	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)