

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: P641236

Luminaire Tested: GWS-SA5F-740-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5F-740-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

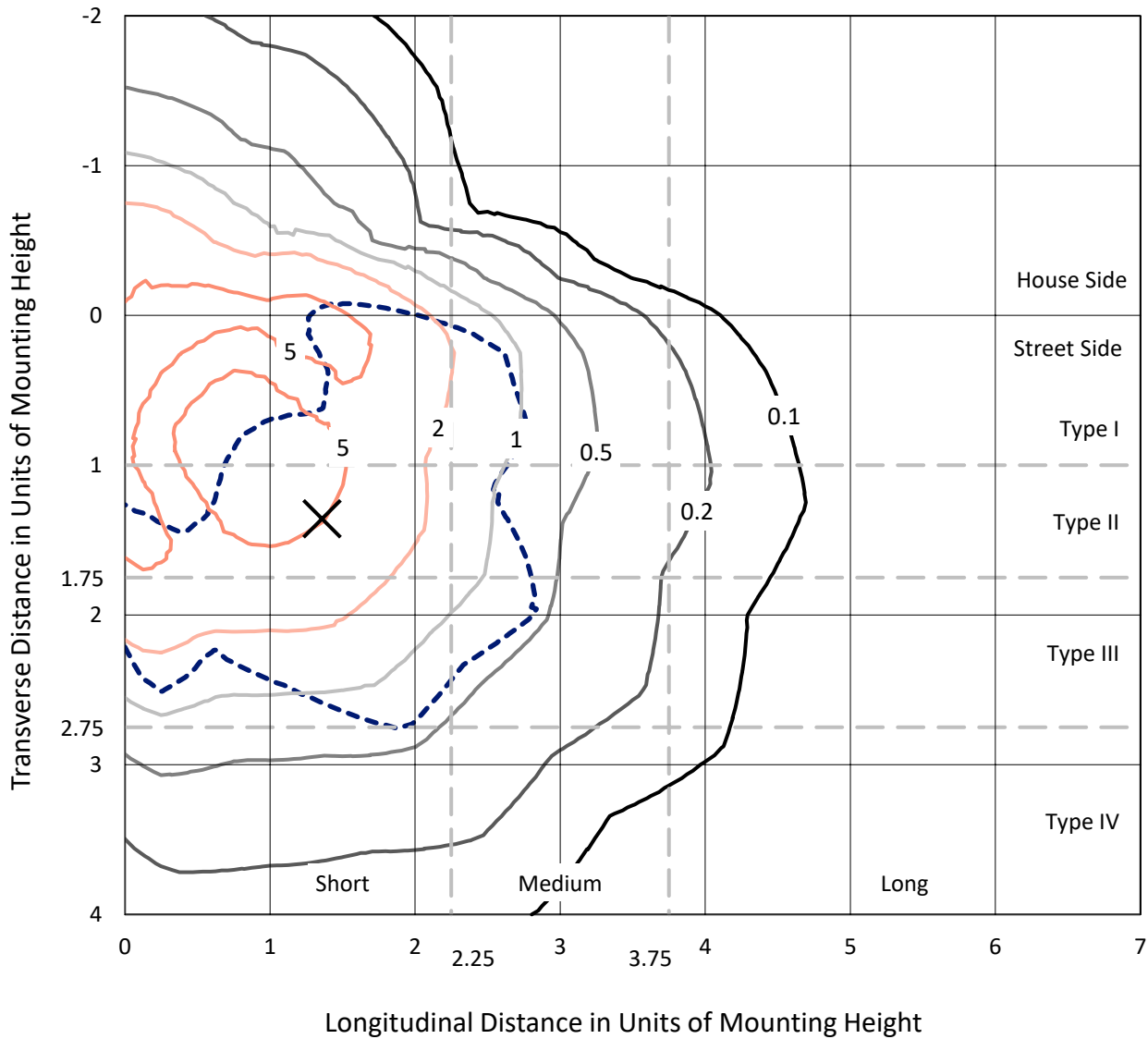
Lumens per Lamp: N/A  
Luminaire Lumens: 39519.7 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P641236  
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### Iso-Footcandle Lines of Horizontal Illumination

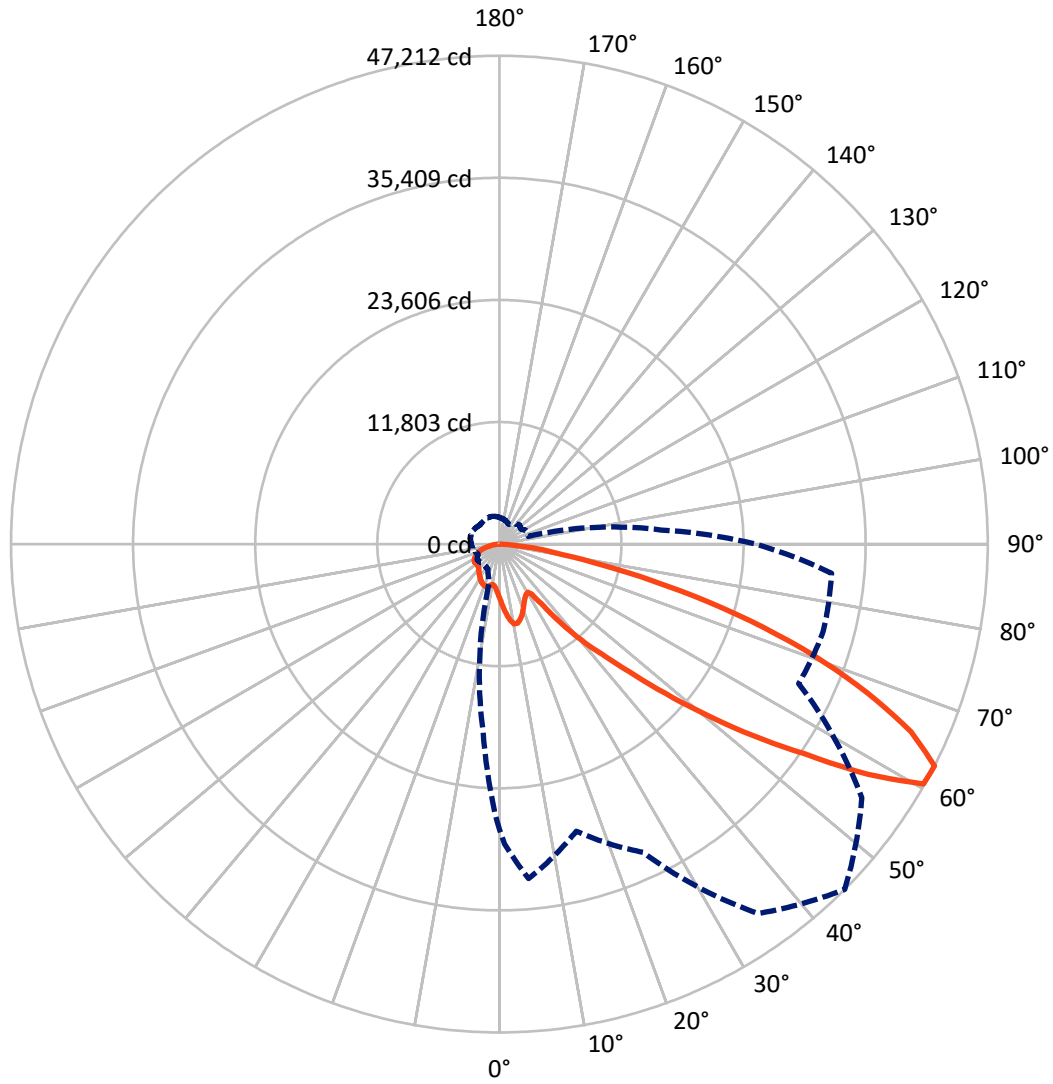
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P641236  
CATALOG NUMBER: GWS-SA5F-740-U-SLR-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: GWS-SA5F-740-U-SLR-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9430.1	0.0	9430.1
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	30089.6	0.0	30089.6
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	39519.7	0.0	39519.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	512.3	1.3
10°-20°	1605.8	4.1
20°-30°	2494.2	6.3
30°-40°	3386.5	8.6
40°-50°	5367.2	13.6
50°-60°	9467.8	24.0
60°-70°	10534.4	26.7
70°-80°	5342.6	13.5
80°-90°	809.0	2.0
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°	39519.7	100.0
0°-180°	39519.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641236

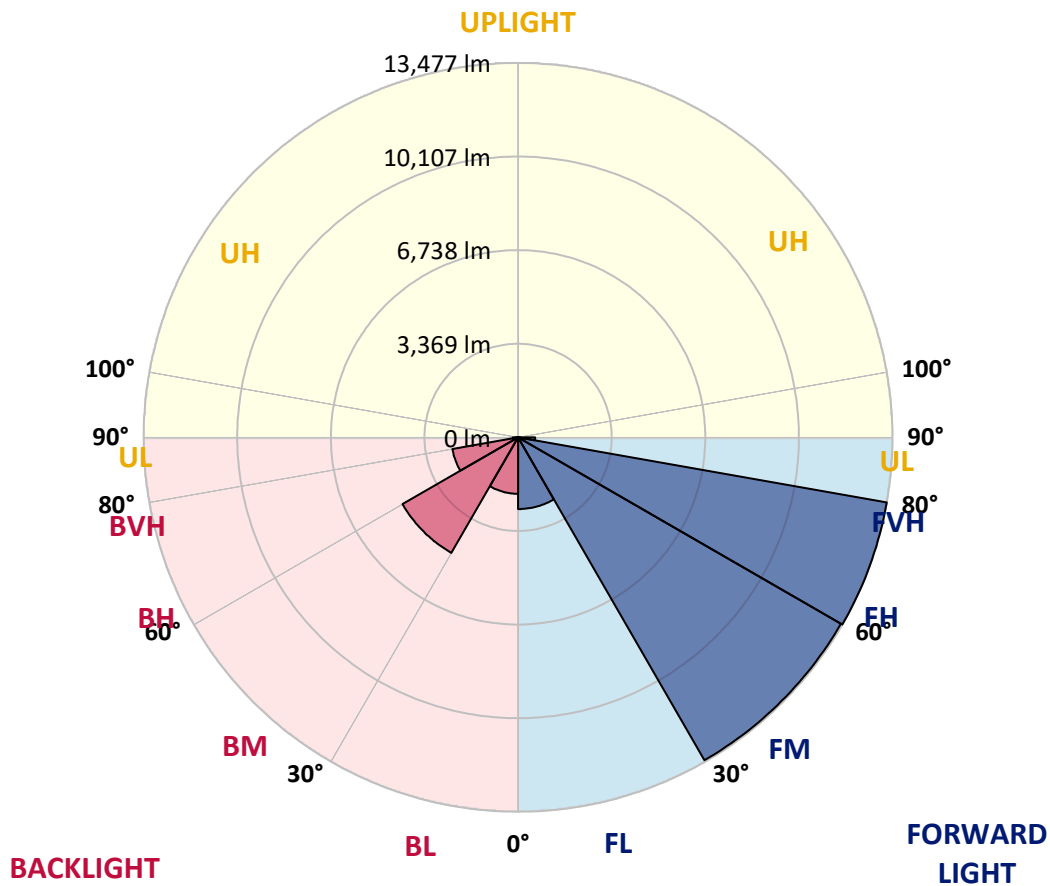
CATALOG NUMBER: GWS-SA5F-740-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2580.3	6.5			
FM (30°-60°)	13418.6	34.0			
FH (60°-80°)	13476.6	34.1			G5
FVH (80°-90°)	614.0	1.6			G4/750
BL (0°-30°)	2032.0	5.1	B3/2500		
BM (30°-60°)	4802.8	12.2	B3/5000		
BH (60°-80°)	2400.4	6.1	B3/2500		G3/2500
BVH (80°-90°)	194.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short





REPORT NUMBER: P641236  
 CATALOG NUMBER: GWS-SA5F-740-U-SLR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1
2.5°	5637.0	5634.0	5690.9	5777.7	5858.4	5894.3	5954.2	5948.2	5900.3	5837.5	5816.6
5°	6079.9	6091.8	6190.6	6382.1	6594.5	6684.2	6723.1	6708.2	6621.4	6510.7	6316.2
7.5°	6480.8	6501.7	6654.3	6941.6	7204.9	7324.5	7420.3	7402.3	7276.7	7070.2	6783.0
10°	6774.0	6797.9	6980.5	7318.6	7611.8	7716.5	7839.2	7845.2	7734.5	7456.2	7163.0
12.5°	7067.2	7091.2	7261.7	7569.9	7761.4	7764.4	7836.2	7875.1	7881.1	7752.4	7459.2
15°	7372.4	7393.4	7549.0	7722.5	7713.5	7546.0	7546.0	7620.8	7785.3	7878.1	7674.6
17.5°	7632.7	7659.7	7779.3	7722.5	7456.2	7154.0	7118.1	7213.8	7501.1	7857.1	7836.2
20°	7848.2	7869.1	7934.9	7557.9	7073.2	6678.3	6609.4	6720.2	7109.1	7728.5	7958.9
22.5°	8054.6	8066.6	8030.7	7342.5	6660.3	6208.5	6124.7	6241.4	6660.3	7501.1	8063.6
25°	8300.0	8288.0	8117.4	7118.1	6283.3	5837.5	5750.7	5882.4	6319.2	7198.9	8177.3
27.5°	8584.2	8539.3	8192.2	6875.7	5993.1	5562.2	5502.4	5643.0	6049.9	6920.6	8267.0
30°	8826.6	8739.8	8204.2	6660.3	5843.5	5445.5	5409.6	5541.3	5918.3	6732.1	8380.7
32.5°	9095.8	8976.2	8273.0	6603.5	5927.3	5726.8	5774.7	5783.6	5954.2	6678.3	8551.3
35°	9481.8	9326.2	8461.5	6768.0	6789.0	7127.1	7300.6	7067.2	6495.7	6797.9	8874.4
37.5°	10065.3	9867.8	8844.5	7480.1	8569.2	9326.2	9745.1	9212.5	8141.4	7249.7	9362.1
40°	10774.4	10523.1	9335.2	8796.6	10232.8	11444.6	12189.6	11408.7	9834.9	8377.8	10047.3
42.5°	11764.8	11501.5	10286.7	10089.2	11773.7	13577.9	14550.4	13386.5	11327.9	9834.9	11145.4
45°	13491.2	13236.8	12031.1	11384.8	13577.9	16205.0	17569.3	15950.6	12844.9	11298.0	13198.0
47.5°	16680.7	16381.5	14622.2	12821.0	15636.5	19615.9	21524.8	19167.1	14421.7	12973.5	16644.8
50°	20510.5	20223.3	17874.5	14520.4	17910.4	23263.2	25917.2	22946.1	16237.9	15011.1	20764.9
52.5°	25118.3	25064.4	22515.2	16668.7	20277.2	27152.9	30791.2	27131.9	18227.6	17754.9	25432.5
55°	29271.3	29797.9	28409.6	19945.0	23335.0	32038.9	35802.9	31697.8	20926.4	22290.8	30898.9
57.5°	31509.3	32924.6	35057.9	26629.3	27781.2	37879.4	41987.5	37272.0	25564.1	29842.7	35967.5
60°	30031.2	31635.0	35500.7	31661.9	32191.5	42559.0	47091.9	41957.6	30118.0	35084.8	35680.2
62.5°	27571.8	29011.0	32448.8	28723.7	32873.7	43588.2	47211.6	42774.4	31928.2	32424.9	32230.4
65°	24654.5	26105.7	29747.0	25073.4	30704.5	41143.7	43728.9	40371.8	28675.8	29295.2	29367.0
67.5°	20779.8	22120.3	25827.4	22293.8	27987.7	37556.3	38382.1	36948.9	26407.9	27395.2	26363.0
70°	15525.8	16734.6	20007.9	18116.9	23592.3	32882.7	32215.4	32427.9	23861.6	24843.0	22021.5
72.5°	10609.8	11519.4	14326.0	14236.2	18066.0	26324.1	25393.6	27407.2	19930.1	21231.6	16788.4
75°	7420.3	8129.4	10355.5	11247.1	13655.7	19511.2	18084.0	20513.5	15564.7	17422.7	12249.5
77.5°	4553.9	5023.7	6540.6	8332.9	8784.7	13353.5	11232.2	15436.0	10930.0	12707.3	8171.3
80°	2277.0	2504.3	3177.6	5239.1	5825.5	7869.1	6202.5	8961.2	7396.4	7869.1	4521.0
82.5°	688.2	760.0	930.5	1989.7	3019.0	4530.0	3665.3	5206.2	4039.3	3689.2	1780.3
85°	182.5	206.5	257.3	589.4	1059.2	1624.7	1238.7	2522.3	1935.9	1361.4	670.2
87.5°	15.0	15.0	12.0	12.0	6.0	0.0	0.0	179.5	362.0	206.5	116.7
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: P641236  
 CATALOG NUMBER: GWS-SA5F-740-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1
2.5°	5711.8	5699.9	5577.2	5487.4	5382.7	5281.0	5176.3	5083.5	4978.8	4874.1	4844.1
5°	6172.6	6088.8	5828.5	5610.1	5394.7	5206.2	5041.6	4871.1	4733.4	4598.8	4547.9
7.5°	6579.5	6432.9	6055.9	5723.8	5424.6	5191.2	4948.9	4700.5	4506.0	4314.5	4266.7
10°	6947.6	6753.1	6277.3	5858.4	5526.3	5260.0	4975.8	4643.7	4362.4	4129.0	4066.2
12.5°	7219.8	7007.4	6468.8	5987.1	5610.1	5310.9	5029.6	4736.4	4440.2	4138.0	4069.2
15°	7435.3	7213.8	6627.4	6085.8	5613.1	5227.1	4954.8	4853.1	4760.4	4464.1	4338.5
17.5°	7608.8	7375.4	6765.0	6145.7	5532.3	4972.8	4736.4	4886.0	5122.4	4936.9	4700.5
20°	7767.4	7531.0	6869.8	6187.6	5352.8	4622.7	4491.1	4808.2	5164.3	5158.3	4945.9
22.5°	7940.9	7710.5	7022.4	6211.5	5101.5	4266.7	4344.5	4694.5	4984.8	5071.5	4939.9
25°	8162.3	7958.9	7234.8	6265.4	4817.2	4021.3	4236.7	4547.9	4790.3	4811.2	4733.4
27.5°	8419.6	8267.0	7551.9	6391.0	4541.9	3895.7	4111.1	4341.5	4562.9	4571.9	4479.1
30°	8700.9	8599.2	7845.2	6495.7	4335.5	3856.8	3949.5	4135.0	4275.6	4299.6	4218.8
32.5°	9059.9	8970.2	8105.5	6426.9	4212.8	3847.8	3799.9	3895.7	4012.3	4012.3	3949.5
35°	9553.6	9428.0	8380.7	6163.6	4063.2	3811.9	3641.3	3668.3	3719.1	3728.1	3692.2
37.5°	10253.8	10047.3	8659.0	5643.0	3817.9	3683.2	3458.8	3425.9	3443.9	3467.8	3458.8
40°	11121.5	10783.4	9065.9	5017.7	3524.6	3434.9	3270.3	3207.5	3192.5	3240.4	3258.3
42.5°	12213.6	11695.9	9502.8	4434.2	3258.3	3150.6	3048.9	2995.0	2971.1	3051.9	3099.8
45°	13957.9	13105.2	9921.7	3856.8	3108.7	2908.3	2839.5	2800.6	2812.5	2908.3	2968.1
47.5°	16970.9	15256.5	10319.6	3491.7	3096.8	2734.7	2651.0	2659.9	2692.8	2794.6	2866.4
50°	20782.8	18137.8	10585.9	3339.1	3132.7	2630.0	2519.3	2567.2	2618.0	2716.8	2800.6
52.5°	24663.5	20821.7	10268.7	3255.4	3129.7	2633.0	2396.6	2540.3	2564.2	2662.9	2752.7
55°	27332.4	21120.9	8871.4	3126.7	3081.8	2752.7	2300.9	2528.3	2543.2	2633.0	2713.8
57.5°	28349.7	20097.6	6765.0	3162.6	2938.2	2845.4	2259.0	2444.5	2552.2	2630.0	2713.8
60°	27120.0	18167.8	4111.1	3255.4	2707.8	2839.5	2285.9	2291.9	2477.4	2609.1	2692.8
62.5°	24801.1	15690.3	2887.3	2992.1	2540.3	2680.9	2348.8	2112.4	2345.8	2504.3	2579.2
65°	22144.2	12776.1	2202.2	2576.2	2459.5	2435.5	2369.7	1953.8	2166.2	2321.8	2387.7
67.5°	19376.5	9930.6	1789.2	1920.9	2223.1	2202.2	2166.2	1813.2	1953.8	2064.5	2139.3
70°	15890.8	6947.6	1511.0	1442.2	1905.9	1974.8	1894.0	1636.7	1681.5	1795.2	1855.1
72.5°	11624.1	4329.5	1241.7	1190.8	1531.9	1726.4	1684.5	1442.2	1463.1	1570.8	1618.7
75°	8359.8	2477.4	996.4	981.4	1169.9	1478.1	1394.3	1241.7	1265.6	1346.4	1379.3
77.5°	5313.9	1379.3	769.0	789.9	837.8	1104.1	1190.8	1062.2	1062.2	1110.1	1137.0
80°	2845.4	789.9	562.5	571.5	586.4	843.8	939.5	822.8	822.8	789.9	822.8
82.5°	1160.9	454.8	386.0	359.0	392.0	577.5	658.3	523.6	547.5	493.7	505.7
85°	383.0	227.4	191.5	188.5	185.5	254.3	317.2	260.3	311.2	197.5	206.5
87.5°	50.9	41.9	23.9	18.0	20.9	9.0	18.0	20.9	20.9	15.0	15.0
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°	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1
2.5°	4823.2	4799.3	4712.5	4733.4	4718.5	4694.5	4718.5	4673.6	4709.5	4721.5	4796.3
5°	4509.0	4452.2	4368.4	4326.5	4317.5	4293.6	4296.6	4275.6	4281.6	4332.5	4416.3
7.5°	4227.8	4173.9	4108.1	4078.2	4051.2	4024.3	4021.3	4018.3	4042.3	4087.1	4167.9
10°	4024.3	3994.4	3967.5	3979.4	3967.5	3955.5	3934.6	3934.6	3973.4	4054.2	4153.0
12.5°	4024.3	4018.3	4024.3	4060.2	4057.2	4060.2	4033.3	4048.2	4156.0	4293.6	4434.2
15°	4239.7	4191.9	4191.9	4209.8	4203.8	4203.8	4203.8	4266.7	4512.0	4724.5	4874.1
17.5°	4503.0	4362.4	4302.6	4293.6	4290.6	4290.6	4302.6	4437.2	4820.2	5044.6	5131.4
20°	4685.6	4419.3	4320.5	4281.6	4284.6	4290.6	4326.5	4512.0	4933.9	5047.6	5026.7
22.5°	4718.5	4374.4	4254.7	4197.9	4206.8	4212.8	4266.7	4464.1	4778.3	4796.3	4754.4
25°	4565.9	4248.7	4120.1	4075.2	4087.1	4084.2	4132.0	4275.6	4500.0	4494.1	4470.1
27.5°	4338.5	4048.2	3952.5	3922.6	3943.5	3919.6	3934.6	4045.3	4218.8	4212.8	4203.8
30°	4105.1	3853.8	3767.0	3752.0	3779.0	3743.1	3746.1	3838.8	3958.5	3952.5	3949.5
32.5°	3871.7	3659.3	3581.5	3581.5	3608.4	3569.5	3575.5	3656.3	3737.1	3713.1	3713.1
35°	3650.3	3500.7	3437.9	3425.9	3446.8	3419.9	3431.9	3506.7	3536.6	3503.7	3482.8
37.5°	3455.8	3390.0	3327.2	3285.3	3288.3	3291.3	3327.2	3384.0	3366.1	3318.2	3291.3
40°	3276.3	3276.3	3216.5	3138.7	3129.7	3150.6	3210.5	3273.3	3222.4	3168.6	3135.7
42.5°	3147.6	3174.6	3117.7	3039.9	3022.0	3057.9	3123.7	3168.6	3108.7	3048.9	3004.0
45°	3028.0	3093.8	3054.9	2968.1	2944.2	2986.1	3069.8	3087.8	3007.0	2950.2	2917.3
47.5°	2944.2	3033.9	3007.0	2923.2	2887.3	2947.2	3033.9	3031.0	2929.2	2869.4	2842.5
50°	2884.3	2998.0	2995.0	2923.2	2884.3	2959.1	3036.9	2998.0	2887.3	2824.5	2797.6
52.5°	2836.5	2995.0	3016.0	2974.1	2947.2	3013.0	3060.9	2986.1	2857.4	2791.6	2770.6
55°	2815.5	3007.0	3022.0	2983.1	2959.1	3019.0	3060.9	3010.0	2857.4	2797.6	2779.6
57.5°	2821.5	2992.1	2995.0	2941.2	2899.3	2974.1	3039.9	3025.0	2890.3	2821.5	2800.6
60°	2785.6	2911.3	2917.3	2833.5	2785.6	2875.4	2992.1	2983.1	2875.4	2803.6	2764.7
62.5°	2665.9	2776.6	2779.6	2701.8	2633.0	2761.7	2890.3	2887.3	2788.6	2716.8	2671.9
65°	2465.5	2582.1	2612.1	2537.3	2483.4	2621.0	2755.7	2749.7	2651.0	2585.1	2540.3
67.5°	2217.1	2342.8	2399.6	2348.8	2327.8	2453.5	2579.2	2576.2	2495.4	2432.5	2393.6
70°	1914.9	2019.6	2115.4	2115.4	2100.4	2244.0	2378.7	2366.7	2291.9	2244.0	2214.1
72.5°	1663.6	1744.4	1774.3	1804.2	1849.1	1998.7	2112.4	2121.4	2067.5	2043.6	2067.5
75°	1415.2	1466.1	1493.0	1469.1	1546.9	1702.5	1852.1	1867.0	1810.2	1771.3	1780.3
77.5°	1163.9	1220.8	1247.7	1193.8	1187.8	1385.3	1567.8	1600.7	1552.9	1493.0	1511.0
80°	840.8	915.6	960.4	924.5	912.6	999.3	1250.7	1286.6	1241.7	1193.8	1220.8
82.5°	514.6	556.5	568.5	604.4	679.2	715.1	804.9	924.5	891.6	849.7	924.5
85°	203.5	242.4	269.3	305.2	356.1	421.9	496.7	592.4	538.6	520.6	613.4
87.5°	12.0	3.0	0.0	6.0	50.9	98.7	212.4	293.2	245.3	263.3	317.2
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: P641236  
 CATALOG NUMBER: GWS-SA5F-740-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1	5245.1
2.5°	4856.1	4933.9	5038.6	5125.4	5236.1	5340.8	5448.5	5556.2	5613.1	5637.0
5°	4512.0	4655.6	4823.2	5008.7	5224.1	5451.5	5681.9	5918.3	6067.9	6079.9
7.5°	4305.6	4512.0	4742.4	4975.8	5242.1	5556.2	5921.3	6286.3	6438.9	6480.8
10°	4371.4	4601.8	4784.3	5002.7	5295.9	5687.9	6118.8	6546.6	6723.1	6774.0
12.5°	4634.7	4679.6	4736.4	4936.9	5295.9	5801.6	6322.2	6830.9	7019.4	7067.2
15°	4853.1	4637.7	4536.0	4748.4	5224.1	5900.3	6537.6	7100.1	7327.5	7372.4
17.5°	4871.1	4500.0	4278.6	4470.1	5098.5	5969.1	6744.1	7399.4	7590.8	7632.7
20°	4688.5	4353.4	4066.2	4182.9	4927.9	5999.1	6893.7	7617.8	7806.3	7848.2
22.5°	4482.1	4233.8	3922.6	3916.6	4721.5	6032.0	7073.2	7824.2	8027.7	8054.6
25°	4287.6	4069.2	3805.9	3722.1	4482.1	6094.8	7315.6	8135.4	8291.0	8300.0
27.5°	4060.2	3892.7	3713.1	3632.4	4272.7	6214.5	7674.6	8506.4	8599.2	8584.2
30°	3853.8	3728.1	3647.3	3623.4	4141.0	6304.3	8015.7	8871.4	8877.4	8826.6
32.5°	3635.3	3587.5	3587.5	3665.3	4033.3	6283.3	8294.0	9227.5	9170.6	9095.8
35°	3440.9	3449.8	3512.7	3695.2	3853.8	6073.9	8560.3	9673.3	9589.5	9481.8
37.5°	3255.4	3324.2	3413.9	3590.5	3617.4	5762.7	8871.4	10304.6	10199.9	10065.3
40°	3096.8	3201.5	3306.2	3393.0	3366.1	5319.9	9305.3	11046.7	10930.0	10774.4
42.5°	2971.1	3072.8	3189.5	3198.5	3207.5	4859.1	9766.1	11956.2	11935.3	11764.8
45°	2890.3	2956.1	3066.9	3051.9	3198.5	4350.4	10190.9	13344.6	13619.8	13491.2
47.5°	2836.5	2887.3	2899.3	2962.1	3276.3	3895.7	10738.5	16061.3	16827.3	16680.7
50°	2806.5	2857.4	2722.8	2968.1	3288.3	3602.4	11495.5	19472.3	20705.0	20510.5
52.5°	2803.6	2791.6	2588.1	3031.0	3222.4	3422.9	11890.4	21961.7	24696.4	25118.3
55°	2809.5	2659.9	2519.3	3048.9	3090.8	3357.1	10567.9	23158.5	28379.6	29271.3
57.5°	2755.7	2516.3	2558.2	2977.1	2842.5	3533.6	7812.3	22730.6	29851.7	31509.3
60°	2654.0	2378.7	2630.0	2782.6	2588.1	3231.4	5379.7	20821.7	28325.8	30031.2
62.5°	2507.3	2282.9	2621.0	2531.3	2495.4	2645.0	3698.2	18149.8	25905.2	27571.8
65°	2342.8	2205.1	2480.4	2288.9	2309.9	2034.6	2615.1	15133.8	23014.9	24654.5
67.5°	2166.2	2157.3	2274.0	2037.6	1950.8	1612.7	1905.9	12129.8	19301.7	20779.8
70°	1965.8	2031.6	2067.5	1810.2	1582.8	1265.6	1415.2	8482.5	14239.2	15525.8
72.5°	1765.3	1771.3	1822.2	1573.8	1184.9	1014.3	1062.2	5137.4	9673.3	10609.8
75°	1561.9	1505.0	1552.9	1280.6	882.7	831.8	819.8	3174.6	6681.3	7420.3
77.5°	1343.4	1280.6	1217.8	963.4	709.1	643.3	628.3	1780.3	4099.1	4553.9
80°	1092.1	1008.3	909.6	706.1	517.6	460.8	457.8	867.7	2043.6	2277.0
82.5°	849.7	691.2	664.2	439.8	320.1	281.3	299.2	332.1	616.4	688.2
85°	595.4	502.7	353.1	176.5	143.6	116.7	113.7	98.7	164.6	182.5
87.5°	332.1	218.4	113.7	20.9	23.9	26.9	20.9	15.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)