

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: P643711

Luminaire Tested: GWS-SA6F-740-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643711  
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-SAGF-740-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

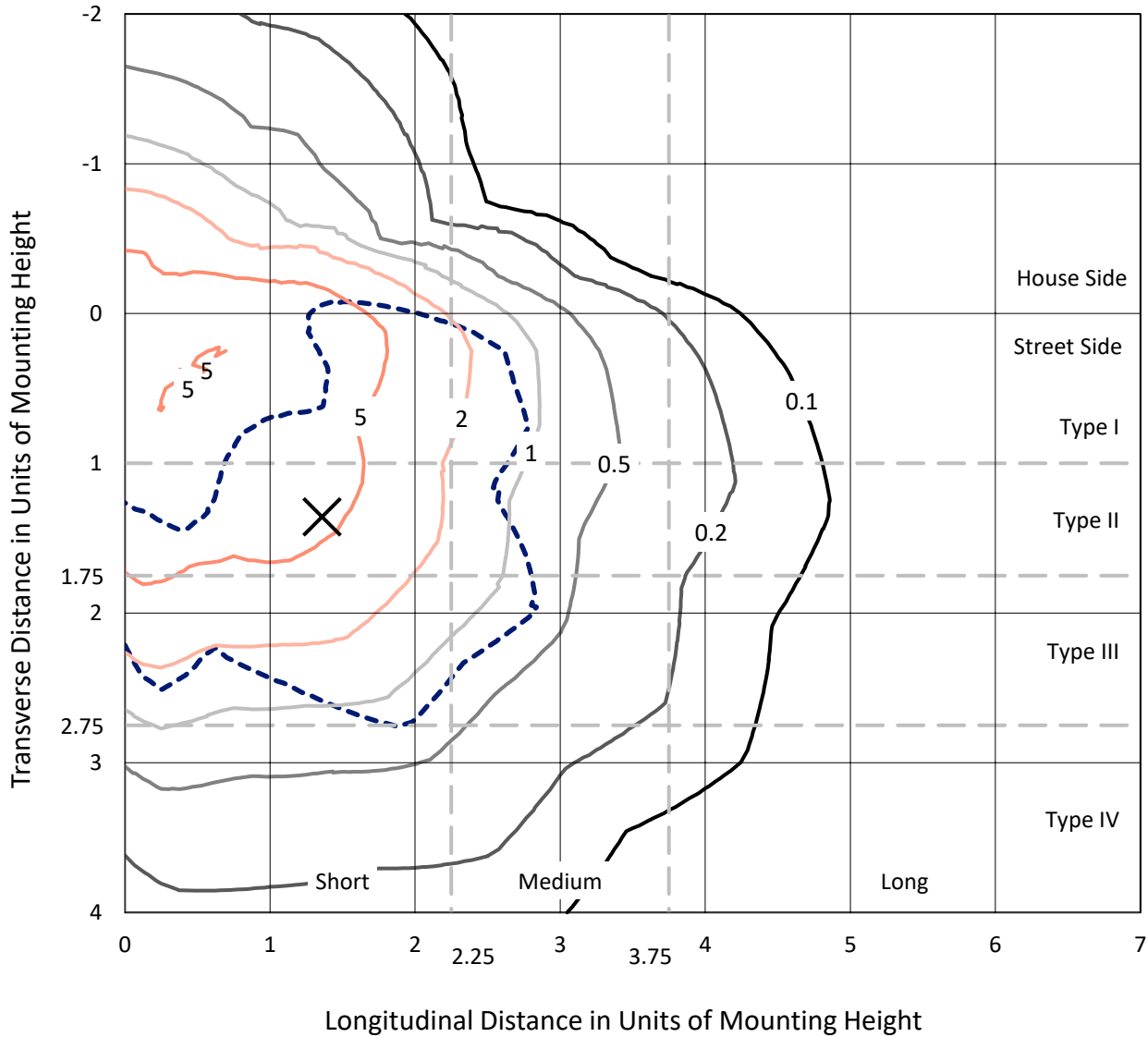
Lumens per Lamp: N/A  
Luminaire Lumens: 47124.5 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P643711  
 CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

### Iso-Footcandle Lines of Horizontal Illumination

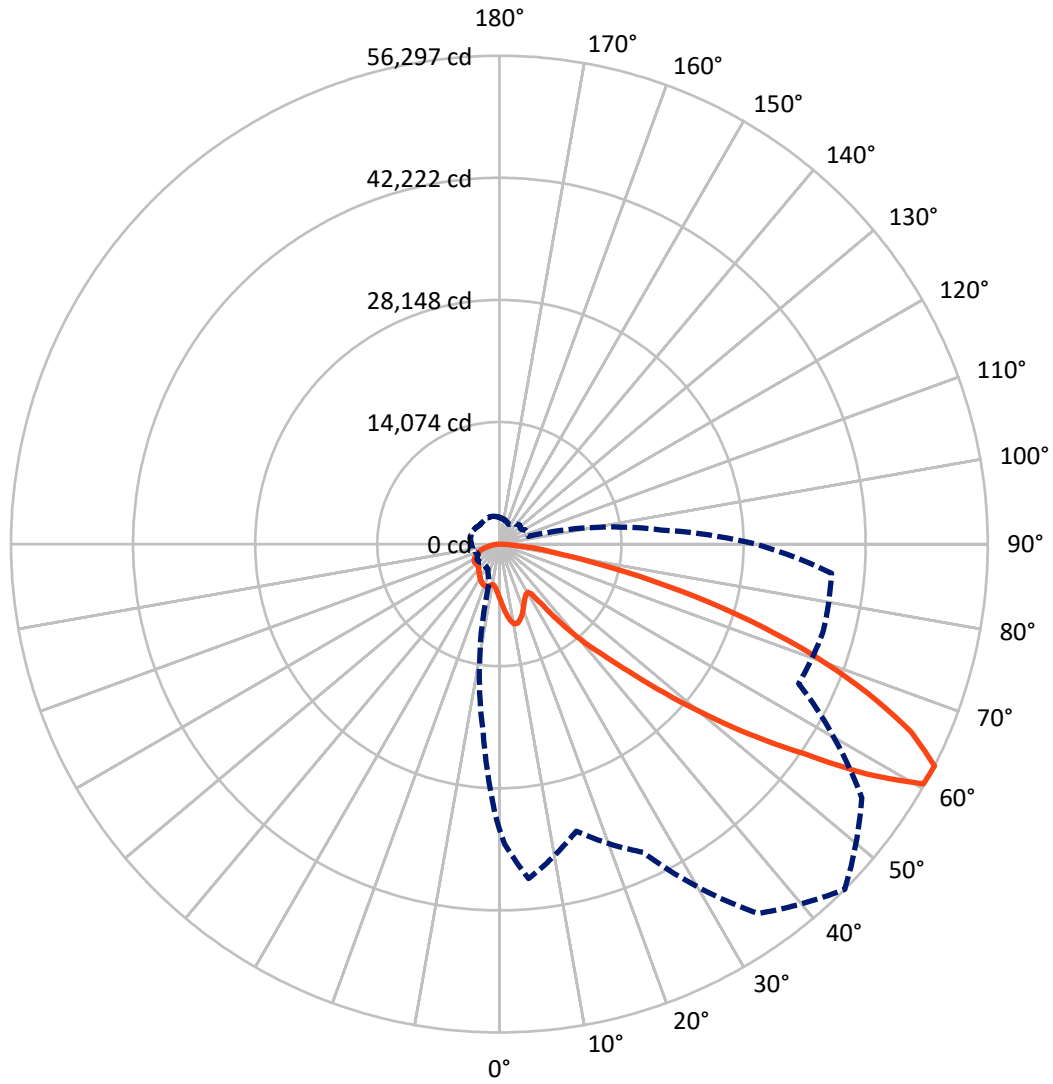
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P643711  
CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P643711

CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11244.8	0.0	11244.8
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	35879.7	0.0	35879.7
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	47124.5	0.0	47124.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.8	1.3
10°-20°	1914.8	4.1
20°-30°	2974.2	6.3
30°-40°	4038.1	8.6
40°-50°	6400.1	13.6
50°-60°	11289.7	24.0
60°-70°	12561.5	26.7
70°-80°	6370.7	13.5
80°-90°	964.7	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°	47124.5	100.0
0°-180°	47124.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P643711

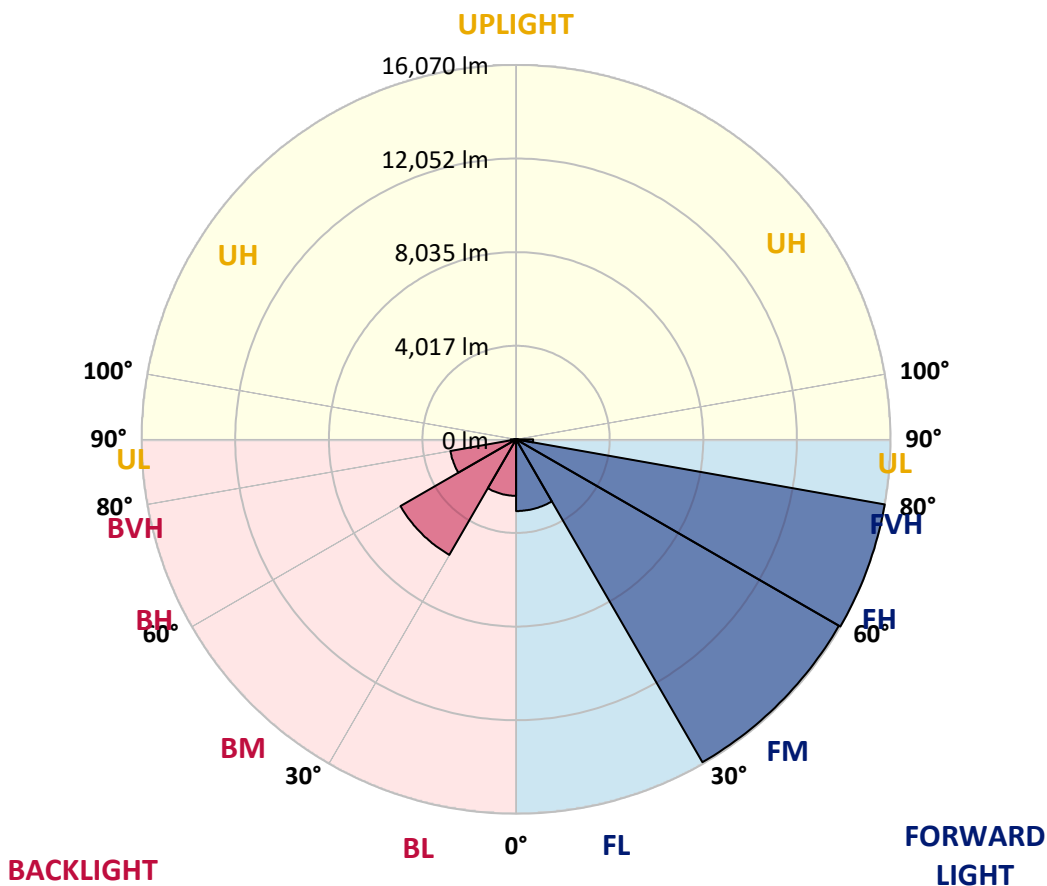
CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3076.8	6.5			
FM (30°-60°)	16000.8	34.0			
FH (60°-80°)	16069.9	34.1			G5
FVH (80°-90°)	732.2	1.6			G4/750
BL (0°-30°)	2423.0	5.1	B3/2500		
BM (30°-60°)	5727.0	12.2	B4/8500		
BH (60°-80°)	2862.3	6.1	B4/5000		G4/5000
BVH (80°-90°)	232.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type III Short





REPORT NUMBER: P643711  
 CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4
2.5°	6721.8	6718.2	6786.0	6889.5	6985.8	7028.6	7100.0	7092.8	7035.7	6960.8	6935.8
5°	7249.8	7264.1	7381.8	7610.2	7863.5	7970.5	8016.9	7999.0	7895.6	7763.6	7531.7
7.5°	7727.9	7752.9	7934.8	8277.3	8591.3	8734.0	8848.2	8826.8	8676.9	8430.8	8088.2
10°	8077.5	8106.1	8323.7	8726.9	9076.5	9201.4	9347.7	9354.8	9222.8	8891.0	8541.4
12.5°	8427.2	8455.7	8659.1	9026.6	9254.9	9258.5	9344.1	9390.5	9397.6	9244.2	8894.6
15°	8791.1	8816.1	9001.6	9208.5	9197.8	8998.0	8998.0	9087.2	9283.5	9394.1	9151.5
17.5°	9101.5	9133.6	9276.3	9208.5	8891.0	8530.7	8487.8	8602.0	8944.5	9369.1	9344.1
20°	9358.4	9383.4	9461.9	9012.3	8434.3	7963.4	7881.3	8013.3	8477.1	9215.7	9490.4
22.5°	9604.6	9618.8	9576.0	8755.4	7942.0	7403.2	7303.3	7442.5	7942.0	8944.5	9615.3
25°	9897.1	9882.9	9679.5	8487.8	7492.4	6960.8	6857.3	7014.3	7535.2	8584.2	9750.8
27.5°	10236.1	10182.6	9768.7	8198.8	7146.3	6632.6	6561.2	6728.9	7214.1	8252.4	9857.9
30°	10525.1	10421.6	9783.0	7942.0	6967.9	6493.4	6450.6	6607.6	7057.1	8027.6	9993.5
32.5°	10846.2	10703.5	9865.0	7874.2	7067.8	6828.8	6885.9	6896.6	7100.0	7963.4	10196.8
35°	11306.4	11120.9	10089.8	8070.4	8095.4	8498.5	8705.5	8427.2	7745.7	8106.1	10582.1
37.5°	12002.1	11766.7	10546.5	8919.5	10218.2	11120.9	11620.4	10985.3	9708.0	8644.8	11163.7
40°	12847.7	12548.0	11131.6	10489.4	12201.9	13646.9	14535.3	13604.1	11727.4	9989.9	11980.7
42.5°	14028.7	13714.7	12266.2	12030.7	14039.4	16190.8	17350.3	15962.4	13507.8	11727.4	13290.1
45°	16087.3	15784.0	14346.2	13575.5	16190.8	19323.3	20950.2	19020.0	15316.6	13472.1	15737.6
47.5°	19890.6	19533.8	17435.9	15288.1	18645.4	23390.6	25666.9	22855.4	17196.9	15470.1	19847.8
50°	24457.4	24114.9	21314.1	17314.6	21357.0	27739.8	30904.4	27361.6	19362.5	17899.7	24760.7
52.5°	29951.8	29887.6	26847.8	19876.3	24179.1	32377.9	36716.4	32353.0	21735.1	21171.4	30326.4
55°	34904.0	35531.9	33876.4	23783.1	27825.4	38204.2	42692.5	37797.5	24953.3	26580.2	36844.8
57.5°	37572.7	39260.3	41804.1	31753.6	33127.2	45168.6	50067.2	44444.3	30483.4	35585.4	42888.7
60°	35810.2	37722.5	42332.2	37754.6	38386.1	50748.6	56153.9	50031.5	35913.6	41836.2	42546.2
62.5°	32877.4	34593.6	38693.0	34251.0	39199.6	51976.0	56296.6	51005.5	38072.2	38664.4	38432.5
65°	29398.8	31129.2	35471.2	29898.3	36612.9	49061.1	52143.6	48140.6	34194.0	34932.5	35018.1
67.5°	24778.5	26376.9	30797.4	26583.8	33373.4	44783.2	45768.0	44059.0	31489.6	32666.9	31436.0
70°	18513.4	19954.8	23858.0	21603.1	28132.2	39210.3	38414.7	38668.0	28453.3	29623.6	26259.1
72.5°	12651.5	13736.1	17082.7	16975.7	21542.5	31389.7	30280.1	32681.2	23765.2	25317.2	20019.0
75°	8848.2	9693.8	12348.2	13411.4	16283.5	23265.7	21563.9	24461.0	18559.8	20775.4	14606.6
77.5°	5430.2	5990.4	7799.2	9936.4	10475.1	15923.2	13393.6	18406.4	13033.2	15152.5	9743.7
80°	2715.1	2986.3	3789.0	6247.2	6946.5	9383.4	7396.1	10685.6	8819.6	9383.4	5391.0
82.5°	820.6	906.2	1109.6	2372.6	3599.9	5401.7	4370.6	6208.0	4816.6	4399.1	2122.9
85°	217.6	246.2	306.8	702.9	1263.0	1937.3	1477.1	3007.7	2308.4	1623.4	799.2
87.5°	17.8	17.8	14.3	14.3	7.1	0.0	0.0	214.1	431.7	246.2	139.1
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: P643711

CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4
2.5°	6811.0	6796.7	6650.4	6543.4	6418.5	6297.2	6172.3	6061.7	5936.8	5812.0	5776.3
5°	7360.4	7260.5	6950.1	6689.7	6432.8	6208.0	6011.8	5808.4	5644.3	5483.7	5423.1
7.5°	7845.6	7670.8	7221.3	6825.2	6468.5	6190.2	5901.2	5605.0	5373.1	5144.8	5087.7
10°	8284.5	8052.6	7485.3	6985.8	6589.8	6272.2	5933.3	5537.3	5201.9	4923.6	4848.7
12.5°	8609.1	8355.8	7713.6	7139.2	6689.7	6332.9	5997.5	5647.9	5294.6	4934.3	4852.2
15°	8866.0	8602.0	7902.7	7256.9	6693.2	6233.0	5908.3	5787.0	5676.4	5323.2	5173.3
17.5°	9073.0	8794.7	8066.8	7328.3	6596.9	5929.7	5647.9	5826.2	6108.1	5886.9	5605.0
20°	9262.1	8980.2	8191.7	7378.2	6382.8	5512.3	5355.3	5733.5	6158.1	6150.9	5897.6
22.5°	9469.0	9194.3	8373.7	7406.8	6083.1	5087.7	5180.5	5597.9	5944.0	6047.5	5890.5
25°	9733.0	9490.4	8627.0	7471.0	5744.2	4795.1	5052.0	5423.1	5712.1	5737.0	5644.3
27.5°	10039.8	9857.9	9005.2	7620.9	5415.9	4645.3	4902.2	5176.9	5440.9	5451.6	5341.0
30°	10375.2	10253.9	9354.8	7745.7	5169.8	4598.9	4709.5	4930.7	5098.4	5127.0	5030.6
32.5°	10803.4	10696.3	9665.2	7663.7	5023.5	4588.2	4531.1	4645.3	4784.4	4784.4	4709.5
35°	11392.0	11242.2	9993.5	7349.7	4845.1	4545.4	4342.0	4374.1	4434.8	4445.5	4402.7
37.5°	12226.9	11980.7	10325.3	6728.9	4552.5	4392.0	4124.4	4085.2	4106.6	4135.1	4124.4
40°	13261.6	12858.4	10810.5	5983.2	4202.9	4095.9	3899.6	3824.7	3806.9	3863.9	3885.4
42.5°	14563.8	13946.6	11331.4	5287.5	3885.4	3756.9	3635.6	3571.4	3542.8	3639.2	3696.3
45°	16643.9	15627.0	11830.9	4598.9	3707.0	3467.9	3385.9	3339.5	3353.7	3467.9	3539.3
47.5°	20236.7	18192.3	12305.4	4163.6	3692.7	3261.0	3161.1	3171.8	3211.0	3332.3	3418.0
50°	24782.1	21628.1	12622.9	3981.7	3735.5	3136.1	3004.1	3061.2	3121.8	3239.6	3339.5
52.5°	29409.5	24828.4	12244.7	3881.8	3731.9	3139.7	2857.8	3029.1	3057.6	3175.4	3282.4
55°	32592.0	25185.2	10578.6	3728.4	3674.9	3282.4	2743.7	3014.8	3032.6	3139.7	3236.0
57.5°	33805.1	23965.0	8066.8	3771.2	3503.6	3393.0	2693.7	2914.9	3043.3	3136.1	3236.0
60°	32338.7	21663.8	4902.2	3881.8	3228.9	3385.9	2725.8	2732.9	2954.2	3111.1	3211.0
62.5°	29573.6	18709.6	3442.9	3567.8	3029.1	3196.8	2800.7	2518.9	2797.2	2986.3	3075.5
65°	26405.4	15234.6	2625.9	3071.9	2932.7	2904.2	2825.7	2329.8	2583.1	2768.6	2847.1
67.5°	23105.2	11841.6	2133.6	2290.5	2650.9	2625.9	2583.1	2162.1	2329.8	2461.8	2551.0
70°	18948.7	8284.5	1801.7	1719.7	2272.7	2354.8	2258.4	1951.6	2005.1	2140.7	2212.0
72.5°	13861.0	5162.6	1480.6	1420.0	1826.7	2058.6	2008.7	1719.7	1744.7	1873.1	1930.2
75°	9968.5	2954.2	1188.1	1170.2	1395.0	1762.5	1662.6	1480.6	1509.2	1605.5	1644.8
77.5°	6336.4	1644.8	916.9	941.9	999.0	1316.5	1420.0	1266.6	1266.6	1323.7	1355.8
80°	3393.0	941.9	670.7	681.5	699.3	1006.1	1120.3	981.1	981.1	941.9	981.1
82.5°	1384.3	542.3	460.2	428.1	467.4	688.6	784.9	624.4	652.9	588.7	603.0
85°	456.7	271.2	228.3	224.8	221.2	303.3	378.2	310.4	371.1	235.5	246.2
87.5°	60.7	49.9	28.5	21.4	25.0	10.7	21.4	25.0	25.0	17.8	17.8
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: P643711  
 CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4
2.5°	5751.3	5722.8	5619.3	5644.3	5626.4	5597.9	5626.4	5572.9	5615.7	5630.0	5719.2
5°	5376.7	5308.9	5209.0	5159.1	5148.4	5119.8	5123.4	5098.4	5105.5	5166.2	5266.1
7.5°	5041.3	4977.1	4898.6	4862.9	4830.8	4798.7	4795.1	4791.6	4820.1	4873.6	4970.0
10°	4798.7	4763.0	4730.9	4745.2	4730.9	4716.7	4691.7	4691.7	4738.1	4834.4	4952.1
12.5°	4798.7	4791.6	4798.7	4841.5	4838.0	4841.5	4809.4	4827.3	4955.7	5119.8	5287.5
15°	5055.6	4998.5	4998.5	5019.9	5012.8	5012.8	5012.8	5087.7	5380.3	5633.6	5812.0
17.5°	5369.6	5201.9	5130.5	5119.8	5116.2	5116.2	5130.5	5291.1	5747.8	6015.3	6118.8
20°	5587.2	5269.7	5151.9	5105.5	5109.1	5116.2	5159.1	5380.3	5883.3	6018.9	5993.9
22.5°	5626.4	5216.1	5073.4	5005.6	5016.4	5023.5	5087.7	5323.2	5697.8	5719.2	5669.3
25°	5444.5	5066.3	4912.9	4859.4	4873.6	4870.1	4927.2	5098.4	5366.0	5358.9	5330.3
27.5°	5173.3	4827.3	4713.1	4677.4	4702.4	4673.8	4691.7	4823.7	5030.6	5023.5	5012.8
30°	4895.0	4595.3	4491.9	4474.0	4506.2	4463.3	4466.9	4577.5	4720.2	4713.1	4709.5
32.5°	4616.8	4363.4	4270.7	4270.7	4302.8	4256.4	4263.5	4359.9	4456.2	4427.7	4427.7
35°	4352.7	4174.3	4099.4	4085.2	4110.1	4078.0	4092.3	4181.5	4217.2	4177.9	4152.9
37.5°	4120.8	4042.3	3967.4	3917.5	3921.0	3924.6	3967.4	4035.2	4013.8	3956.7	3924.6
40°	3906.8	3906.8	3835.4	3742.6	3731.9	3756.9	3828.3	3903.2	3842.5	3778.3	3739.1
42.5°	3753.3	3785.5	3717.7	3624.9	3603.5	3646.3	3724.8	3778.3	3707.0	3635.6	3582.1
45°	3610.6	3689.1	3642.7	3539.3	3510.7	3560.7	3660.6	3682.0	3585.7	3517.9	3478.6
47.5°	3510.7	3617.8	3585.7	3485.8	3442.9	3514.3	3617.8	3614.2	3492.9	3421.5	3389.4
50°	3439.4	3575.0	3571.4	3485.8	3439.4	3528.6	3621.3	3575.0	3442.9	3368.0	3335.9
52.5°	3382.3	3571.4	3596.4	3546.4	3514.3	3592.8	3649.9	3560.7	3407.3	3328.8	3303.8
55°	3357.3	3585.7	3603.5	3557.1	3528.6	3599.9	3649.9	3589.2	3407.3	3335.9	3314.5
57.5°	3364.5	3567.8	3571.4	3507.2	3457.2	3546.4	3624.9	3607.1	3446.5	3364.5	3339.5
60°	3321.6	3471.5	3478.6	3378.7	3321.6	3428.7	3567.8	3557.1	3428.7	3343.0	3296.7
62.5°	3178.9	3310.9	3314.5	3221.7	3139.7	3293.1	3446.5	3442.9	3325.2	3239.6	3186.1
65°	2939.9	3079.0	3114.7	3025.5	2961.3	3125.4	3286.0	3278.8	3161.1	3082.6	3029.1
67.5°	2643.8	2793.6	2861.4	2800.7	2775.8	2925.6	3075.5	3071.9	2975.6	2900.6	2854.3
70°	2283.4	2408.3	2522.4	2522.4	2504.6	2675.9	2836.4	2822.1	2732.9	2675.9	2640.2
72.5°	1983.7	2080.0	2115.7	2151.4	2204.9	2383.3	2518.9	2529.6	2465.4	2436.8	2465.4
75°	1687.6	1748.2	1780.3	1751.8	1844.6	2030.1	2208.5	2226.3	2158.5	2112.1	2122.9
77.5°	1387.9	1455.7	1487.8	1423.6	1416.4	1651.9	1869.5	1908.8	1851.7	1780.3	1801.7
80°	1002.6	1091.8	1145.3	1102.5	1088.2	1191.7	1491.3	1534.2	1480.6	1423.6	1455.7
82.5°	613.7	663.6	677.9	720.7	809.9	852.7	959.7	1102.5	1063.2	1013.3	1102.5
85°	242.6	289.0	321.1	363.9	424.6	503.1	592.3	706.4	642.2	620.8	731.4
87.5°	14.3	3.6	0.0	7.1	60.7	117.7	253.3	349.6	292.6	314.0	378.2
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: P643711  
 CATALOG NUMBER: GWS-SA6F-740-U-SLR-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4	6254.4
2.5°	5790.6	5883.3	6008.2	6111.7	6243.7	6368.6	6497.0	6625.4	6693.2	6721.8
5°	5380.3	5551.5	5751.3	5972.5	6229.4	6500.6	6775.3	7057.1	7235.5	7249.8
7.5°	5134.1	5380.3	5655.0	5933.3	6250.8	6625.4	7060.7	7496.0	7677.9	7727.9
10°	5212.6	5487.3	5704.9	5965.4	6315.0	6782.4	7296.2	7806.4	8016.9	8077.5
12.5°	5526.5	5580.1	5647.9	5886.9	6315.0	6918.0	7538.8	8145.3	8370.1	8427.2
15°	5787.0	5530.1	5408.8	5662.1	6229.4	7035.7	7795.7	8466.4	8737.6	8791.1
17.5°	5808.4	5366.0	5102.0	5330.3	6079.6	7117.8	8041.9	8823.2	9051.6	9101.5
20°	5590.8	5191.2	4848.7	4987.8	5876.2	7153.5	8220.3	9083.7	9308.4	9358.4
22.5°	5344.6	5048.5	4677.4	4670.3	5630.0	7192.7	8434.3	9329.8	9572.5	9604.6
25°	5112.7	4852.2	4538.3	4438.4	5344.6	7267.6	8723.3	9700.9	9886.4	9897.1
27.5°	4841.5	4641.7	4427.7	4331.3	5094.8	7410.4	9151.5	10143.3	10253.9	10236.1
30°	4595.3	4445.5	4349.2	4320.6	4937.9	7517.4	9558.2	10578.6	10585.7	10525.1
32.5°	4334.9	4277.8	4277.8	4370.6	4809.4	7492.4	9890.0	11003.1	10935.4	10846.2
35°	4103.0	4113.7	4188.6	4406.3	4595.3	7242.7	10207.5	11534.8	11434.9	11306.4
37.5°	3881.8	3963.8	4070.9	4281.4	4313.5	6871.6	10578.6	12287.6	12162.7	12002.1
40°	3692.7	3817.6	3942.4	4045.9	4013.8	6343.6	11095.9	13172.4	13033.2	12847.7
42.5°	3542.8	3664.1	3803.3	3814.0	3824.7	5794.1	11645.4	14257.0	14232.0	14028.7
45°	3446.5	3525.0	3657.0	3639.2	3814.0	5187.6	12152.0	15912.5	16240.7	16087.3
47.5°	3382.3	3442.9	3457.2	3532.1	3906.8	4645.3	12804.9	19152.0	20065.4	19890.6
50°	3346.6	3407.3	3246.7	3539.3	3921.0	4295.7	13707.6	23219.4	24689.3	24457.4
52.5°	3343.0	3328.8	3086.2	3614.2	3842.5	4081.6	14178.5	26187.8	29448.8	29951.8
55°	3350.2	3171.8	3004.1	3635.6	3685.6	4003.1	12601.5	27614.9	33840.7	34904.0
57.5°	3286.0	3000.5	3050.5	3550.0	3389.4	4213.6	9315.6	27104.7	35596.1	37572.7
60°	3164.7	2836.4	3136.1	3318.1	3086.2	3853.2	6414.9	24828.4	33776.5	35810.2
62.5°	2989.8	2722.2	3125.4	3018.4	2975.6	3154.0	4409.8	21642.4	30890.2	32877.4
65°	2793.6	2629.5	2957.7	2729.4	2754.4	2426.1	3118.3	18046.0	27443.6	29398.8
67.5°	2583.1	2572.4	2711.5	2429.7	2326.2	1923.1	2272.7	14463.9	23016.0	24778.5
70°	2344.1	2422.5	2465.4	2158.5	1887.4	1509.2	1687.6	10114.8	16979.2	18513.4
72.5°	2105.0	2112.1	2172.8	1876.7	1412.9	1209.5	1266.6	6125.9	11534.8	12651.5
75°	1862.4	1794.6	1851.7	1527.0	1052.5	991.9	977.6	3785.5	7966.9	8848.2
77.5°	1601.9	1527.0	1452.1	1148.8	845.6	767.1	749.2	2122.9	4887.9	5430.2
80°	1302.3	1202.4	1084.6	842.0	617.2	549.4	545.9	1034.7	2436.8	2715.1
82.5°	1013.3	824.2	792.1	524.5	381.8	335.4	356.8	396.0	735.0	820.6
85°	710.0	599.4	421.0	210.5	171.3	139.1	135.6	117.7	196.2	217.6
87.5°	396.0	260.5	135.6	25.0	28.5	32.1	25.0	17.8	17.8	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)