

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: P638755

Luminaire Tested: GWS-SA4F-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638755  
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-SA4F-740-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

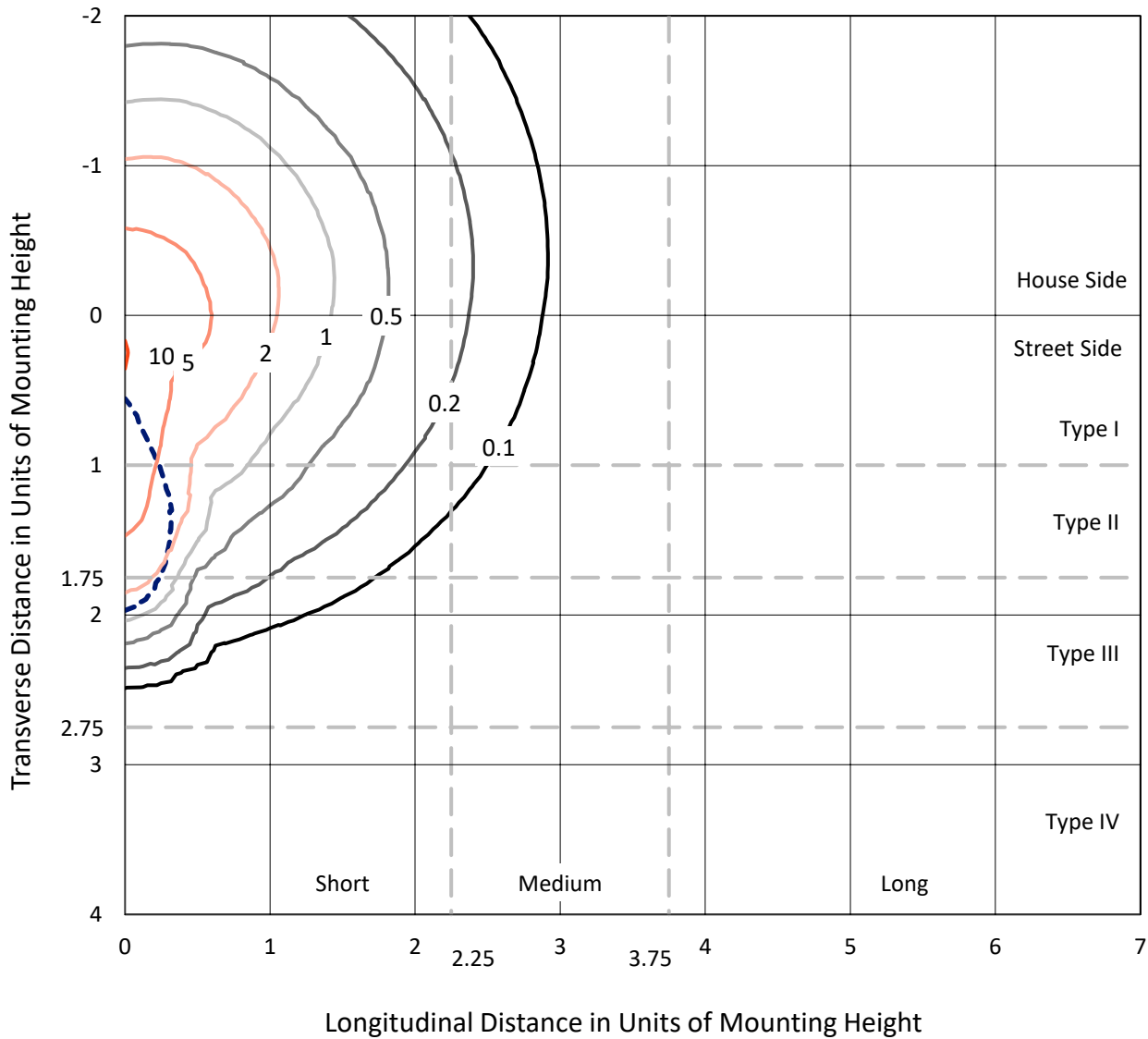
Lumens per Lamp: N/A  
Luminaire Lumens: 26484 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 225.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

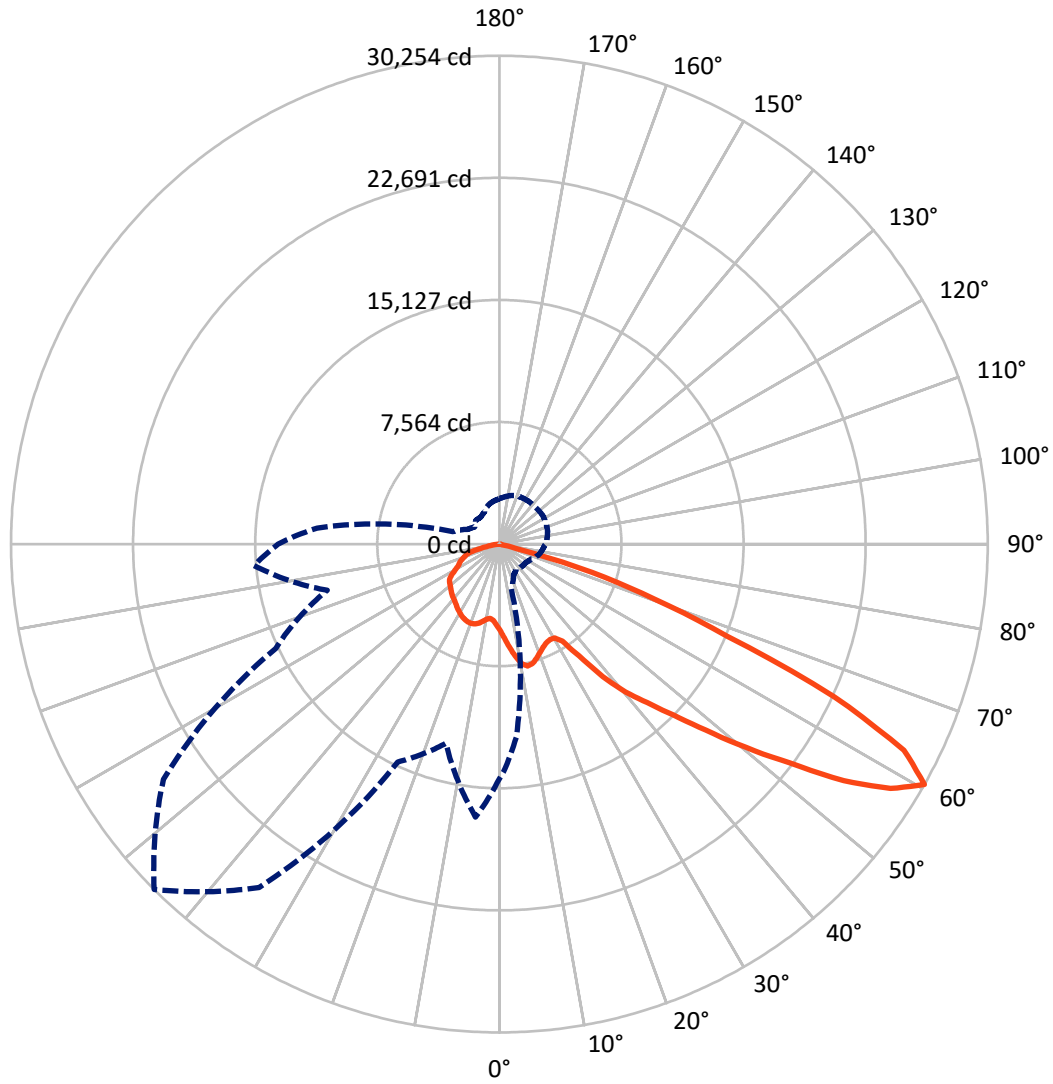
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	9059.9	0.0	9059.9
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	17424.1	0.0	17424.1
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	26484.0	0.0	26484.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	521.9	2.0
10°-20°	1673.9	6.3
20°-30°	2726.1	10.3
30°-40°	3829.6	14.5
40°-50°	5240.3	19.8
50°-60°	6723.1	25.4
60°-70°	4527.1	17.1
70°-80°	1131.8	4.3
80°-90°	110.3	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°	26484.0	100.0
0°-180°	26484.0	100.0

**Coefficient of Utilization**



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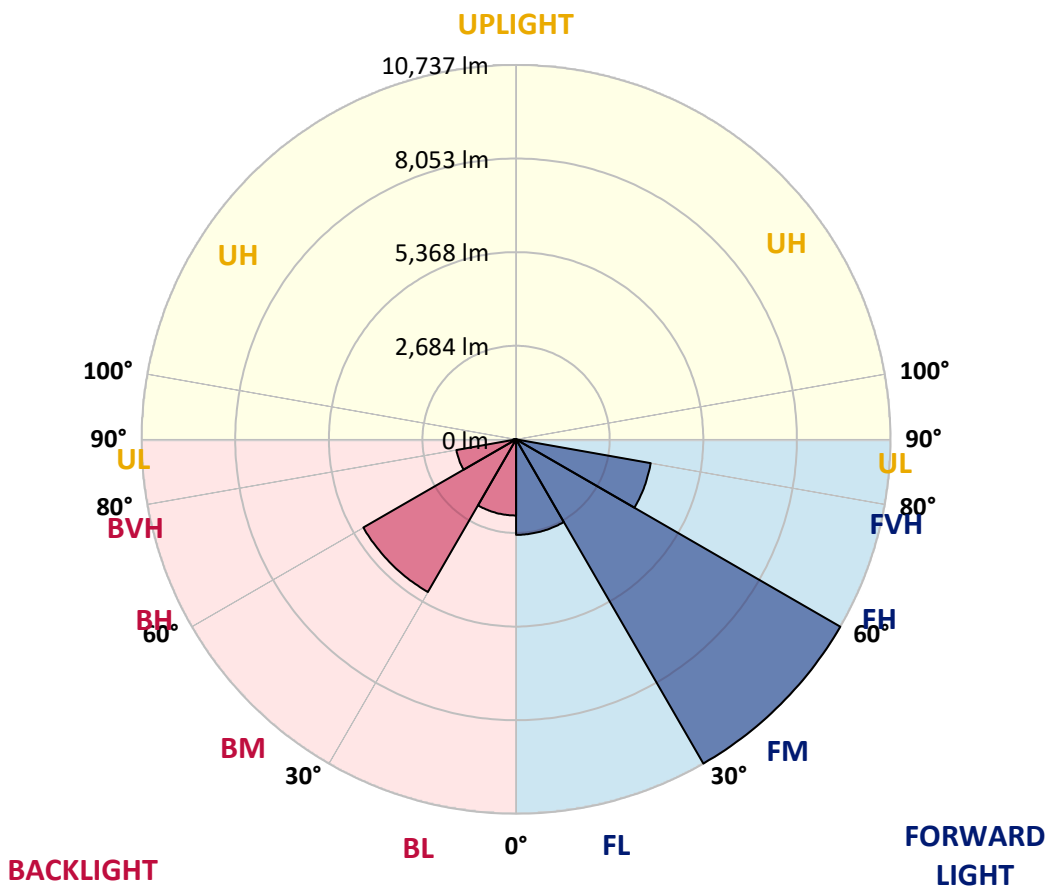
CATALOG NUMBER: GWS-SA4F-740-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2737.8	10.3			
FM (30°-60°)	10736.8	40.5			
FH (60°-80°)	3920.7	14.8			G2/5000
FVH (80°-90°)	28.7	0.1			G1/100
BL (0°-30°)	2184.0	8.2	B3/2500		
BM (30°-60°)	5056.2	19.1	B4/8500		
BH (60°-80°)	1738.1	6.6	B3/2500		G3/2500
BVH (80°-90°)	81.7	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°	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5
2.5°	5651.3	5639.1	5626.9	5531.8	5507.4	5439.1	5390.3	5329.3	5241.5	5192.8	5151.3
5°	6005.0	5985.5	5919.6	5724.5	5597.6	5458.6	5344.0	5217.1	5083.0	4995.2	4926.9
7.5°	6339.1	6334.2	6222.0	5900.1	5695.2	5495.2	5339.1	5153.7	4961.0	4829.3	4741.5
10°	6648.9	6612.3	6478.1	6058.6	5790.3	5561.1	5392.8	5187.9	4963.5	4785.4	4668.4
12.5°	6922.1	6875.7	6690.3	6205.0	5873.3	5590.3	5407.4	5239.1	5090.3	4941.5	4807.4
15°	7146.4	7090.3	6902.5	6341.6	5946.4	5573.3	5317.2	5185.4	5236.7	5302.5	5153.7
17.5°	7356.2	7297.7	7068.4	6441.6	5968.4	5468.4	5095.2	5039.1	5297.6	5597.6	5529.3
20°	7531.8	7466.0	7200.1	6490.3	5929.4	5268.4	4807.4	4904.9	5246.4	5605.0	5714.7
22.5°	7722.1	7668.4	7348.9	6561.1	5880.6	4992.8	4565.9	4804.9	5158.6	5473.3	5639.1
25°	8026.9	7961.1	7580.6	6685.5	5856.2	4734.2	4392.7	4707.4	5036.7	5322.0	5451.3
27.5°	8468.4	8346.5	7897.7	6902.5	5883.0	4490.3	4283.0	4587.9	4895.2	5139.1	5244.0
30°	8948.9	8802.6	8248.9	7126.9	5922.0	4341.5	4224.5	4451.3	4678.1	4922.0	5036.7
32.5°	9517.2	9387.9	8624.5	7295.2	5839.1	4273.2	4180.5	4302.5	4483.0	4678.1	4773.2
35°	10195.3	9963.6	9034.3	7431.8	5570.8	4173.2	4141.5	4139.1	4234.2	4424.5	4531.8
37.5°	10924.5	10675.8	9539.2	7578.2	5153.7	4014.7	4048.8	3946.4	4034.2	4185.4	4307.4
40°	11522.1	11261.1	10048.9	7778.2	4631.8	3765.9	3844.0	3734.2	3787.9	3944.0	4080.5
42.5°	12107.5	11829.4	10524.5	8005.0	4126.9	3522.0	3561.0	3519.6	3536.6	3700.1	3890.3
45°	12875.8	12563.6	11109.9	8166.0	3673.2	3329.3	3292.7	3222.0	3312.2	3524.4	3726.9
47.5°	14158.7	13785.6	12068.5	8270.9	3344.0	3219.6	3051.3	3009.8	3122.0	3358.6	3568.3
50°	15658.8	15336.8	13600.2	8266.0	3097.6	3126.9	2817.1	2780.5	2965.9	3204.9	3426.9
52.5°	16888.1	16561.2	14910.0	8022.1	2895.2	2929.3	2680.5	2578.1	2831.7	3053.7	3275.7
55°	17880.7	17512.5	15512.4	7002.5	2639.1	2614.7	2531.7	2343.9	2663.5	2902.5	3109.8
57.5°	17346.6	16907.6	14783.1	5324.5	2375.6	2222.0	2275.6	2136.6	2434.2	2734.2	2934.2
60°	14544.1	14149.0	12009.9	2834.2	2090.3	1856.1	1968.3	1990.3	2183.0	2531.7	2736.6
62.5°	9990.4	9702.6	8139.1	1719.5	1648.8	1490.3	1665.9	1824.4	1968.3	2263.4	2441.5
65°	4887.9	4802.5	4070.8	1102.5	1153.7	1204.9	1380.5	1573.2	1785.4	2043.9	2231.7
67.5°	1346.4	1356.1	1234.2	861.0	909.8	1051.2	1190.3	1343.9	1556.1	1795.1	1985.4
70°	592.7	602.4	622.0	663.4	756.1	885.4	1029.3	1187.8	1382.9	1582.9	1765.9
72.5°	412.2	422.0	451.2	504.9	587.8	709.8	846.4	997.6	1200.0	1368.3	1519.5
75°	253.7	261.0	287.8	334.2	390.2	482.9	617.1	756.1	934.2	1087.8	1222.0
77.5°	134.1	129.3	146.3	178.1	226.8	275.6	365.9	453.7	580.5	704.9	817.1
80°	73.2	70.7	80.5	97.6	112.2	151.2	212.2	270.7	343.9	414.6	475.6
82.5°	31.7	29.3	31.7	41.5	51.2	73.2	107.3	148.8	190.2	239.0	278.1
85°	0.0	0.0	0.0	2.4	12.2	19.5	36.6	53.7	78.0	107.3	131.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	22.0
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°	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5
2.5°	5126.9	5065.9	5061.0	5012.3	5017.1	5019.6	4970.8	4951.3	4968.4	4987.9	4978.1
5°	4902.5	4839.1	4812.3	4765.9	4761.0	4739.1	4719.6	4695.2	4712.3	4729.3	4739.1
7.5°	4707.4	4665.9	4648.8	4636.7	4641.5	4631.8	4592.7	4570.8	4568.4	4575.7	4585.4
10°	4644.0	4609.8	4631.8	4665.9	4690.3	4707.4	4665.9	4629.3	4595.2	4580.6	4580.6
12.5°	4780.6	4736.7	4780.6	4817.1	4865.9	4878.1	4831.8	4792.8	4780.6	4795.2	4824.5
15°	5083.0	4980.6	4978.1	5000.1	5039.1	5058.6	5014.7	4995.2	4995.2	5087.9	5161.1
17.5°	5385.4	5217.1	5146.4	5134.2	5158.6	5165.9	5129.3	5112.3	5156.2	5336.7	5473.3
20°	5597.6	5392.8	5239.1	5209.8	5217.1	5219.6	5190.3	5178.1	5241.5	5461.1	5575.7
22.5°	5575.7	5424.5	5236.7	5200.1	5212.3	5207.4	5180.6	5175.7	5226.9	5417.2	5470.8
25°	5424.5	5307.4	5148.9	5124.5	5144.0	5141.5	5114.7	5102.5	5124.5	5251.3	5256.2
27.5°	5251.3	5148.9	5012.3	5005.0	5036.7	5053.7	5007.4	4970.8	4963.5	5048.9	5029.3
30°	5044.0	4968.4	4858.6	4863.5	4922.0	4931.8	4875.7	4822.0	4807.4	4853.7	4826.9
32.5°	4797.6	4773.2	4714.7	4726.9	4783.0	4802.5	4744.0	4687.9	4670.8	4685.4	4629.3
35°	4587.9	4578.1	4583.0	4604.9	4653.7	4668.4	4619.6	4575.7	4551.3	4500.1	4426.9
37.5°	4370.8	4397.6	4468.4	4509.8	4536.7	4531.8	4504.9	4473.2	4434.2	4339.1	4248.8
40°	4168.4	4236.6	4363.5	4409.8	4419.6	4422.0	4402.5	4375.7	4326.9	4200.1	4097.6
42.5°	4012.3	4087.9	4256.2	4326.9	4331.8	4336.6	4317.1	4295.2	4226.9	4058.6	3958.6
45°	3848.8	3948.8	4146.4	4231.8	4226.9	4224.5	4207.4	4197.6	4117.1	3922.0	3812.3
47.5°	3709.8	3826.9	4039.1	4112.3	4109.8	4107.4	4095.2	4095.2	4014.7	3802.5	3678.1
50°	3573.2	3707.4	3929.3	3990.3	3995.2	3990.3	3985.4	3992.7	3897.6	3670.8	3548.8
52.5°	3424.4	3575.7	3807.4	3863.5	3892.7	3904.9	3904.9	3887.9	3775.7	3539.1	3404.9
55°	3261.0	3404.9	3673.2	3748.8	3773.2	3795.2	3795.2	3761.0	3656.2	3417.1	3273.2
57.5°	3058.6	3185.4	3397.6	3473.2	3531.8	3546.4	3546.4	3490.3	3404.9	3175.7	3058.6
60°	2839.1	2948.8	3092.7	3173.2	3217.1	3187.9	3209.8	3195.2	3126.9	2914.7	2817.1
62.5°	2546.4	2658.6	2817.1	2900.0	2919.6	2890.3	2919.6	2917.1	2824.4	2634.2	2517.1
65°	2336.6	2446.4	2602.5	2709.8	2741.5	2734.2	2753.7	2724.4	2609.8	2429.3	2317.1
67.5°	2087.8	2204.9	2385.4	2504.9	2570.8	2578.1	2604.9	2543.9	2426.9	2229.3	2087.8
70°	1851.2	1951.2	2090.3	2202.5	2295.2	2341.5	2346.4	2258.6	2112.2	1948.8	1846.4
72.5°	1602.5	1704.9	1873.2	1995.2	2112.2	2165.9	2165.9	2058.6	1900.0	1719.5	1609.8
75°	1300.0	1395.1	1548.8	1680.5	1814.7	1883.0	1880.5	1787.8	1612.2	1441.5	1326.8
77.5°	880.5	951.2	1048.8	1148.8	1168.3	1222.0	1248.8	1131.7	1034.2	941.5	839.0
80°	512.2	556.1	609.8	665.9	678.1	695.1	651.2	607.3	556.1	495.1	448.8
82.5°	300.0	329.3	356.1	400.0	407.3	412.2	373.2	353.7	312.2	275.6	246.3
85°	146.3	156.1	180.5	202.4	192.7	187.8	170.7	151.2	134.1	119.5	104.9
87.5°	29.3	29.3	43.9	41.5	34.1	29.3	17.1	22.0	4.9	4.9	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°	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5
2.5°	5009.8	5051.3	5102.5	5170.8	5248.9	5331.8	5412.3	5473.3	5534.2	5624.5	5609.8
5°	4753.7	4824.5	4904.9	5009.8	5136.7	5280.6	5441.5	5602.5	5775.7	5922.0	5985.5
7.5°	4604.9	4683.0	4778.1	4914.7	5078.1	5253.7	5480.6	5741.5	6022.0	6214.7	6334.2
10°	4604.9	4704.9	4829.3	4961.0	5105.0	5285.4	5565.9	5892.8	6253.7	6507.4	6646.4
12.5°	4870.8	4970.8	4997.6	4992.8	5073.2	5273.2	5634.2	6051.3	6483.0	6751.3	6922.1
15°	5285.4	5319.6	5117.1	4931.8	4944.0	5185.4	5665.9	6178.1	6680.6	7002.5	7187.9
17.5°	5563.5	5473.3	5112.3	4787.9	4719.6	5036.7	5665.9	6300.1	6890.3	7253.8	7426.9
20°	5585.4	5361.1	4987.9	4648.8	4473.2	4839.1	5626.9	6392.8	7092.8	7495.2	7680.6
22.5°	5392.8	5170.8	4856.2	4529.3	4270.8	4600.1	5563.5	6463.5	7266.0	7722.1	7951.3
25°	5173.2	4987.9	4722.0	4407.4	4131.8	4358.6	5505.0	6583.0	7507.4	8029.4	8261.1
27.5°	4958.6	4802.5	4561.0	4304.9	4053.7	4148.8	5468.4	6758.6	7795.2	8466.0	8666.0
30°	4748.8	4607.4	4387.9	4207.4	4012.3	4012.3	5436.7	6961.1	8175.7	8956.2	9156.2
32.5°	4536.7	4402.5	4224.5	4112.3	3987.9	3958.6	5348.9	7151.3	8568.4	9492.8	9697.7
35°	4339.1	4204.9	4068.4	4022.0	3975.7	3917.1	5131.8	7300.1	8951.4	10119.7	10295.3
37.5°	4153.7	4024.4	3922.0	3909.8	3914.7	3804.9	4790.3	7424.5	9429.4	10761.1	10853.8
40°	3992.7	3848.8	3768.3	3765.9	3790.3	3624.4	4358.6	7602.5	9975.8	11305.0	11266.0
42.5°	3848.8	3697.6	3600.1	3622.0	3607.4	3444.0	3936.6	7766.0	10451.4	11814.8	11736.8
45°	3707.4	3561.0	3424.4	3456.1	3439.1	3331.8	3578.1	7885.5	10978.2	12427.0	12436.8
47.5°	3570.8	3426.9	3290.3	3251.3	3248.8	3297.6	3302.5	7924.5	11836.8	13412.4	13190.4
50°	3444.0	3300.0	3158.6	3026.9	3078.1	3229.3	3097.6	7895.2	13122.1	14500.2	13880.7
52.5°	3312.2	3175.7	3019.6	2783.0	2917.1	3065.9	2914.7	7790.4	13907.5	15461.2	15090.5
55°	3161.0	3031.8	2819.6	2531.7	2695.2	2726.9	2726.9	6775.7	14241.7	16412.4	16641.7
57.5°	2958.6	2787.8	2451.3	2219.5	2365.9	2243.9	2526.9	4741.5	13690.4	16112.4	17002.7
60°	2729.3	2546.4	2190.3	2024.4	2068.3	1853.7	2153.7	2973.2	11346.5	13710.0	15251.4
62.5°	2426.9	2258.6	1963.4	1834.2	1743.9	1512.2	1734.2	1880.5	7778.2	10180.6	11231.9
65°	2224.4	2039.1	1775.6	1604.9	1419.5	1217.1	1151.2	1234.2	4183.0	5697.6	6407.4
67.5°	1985.4	1802.5	1553.7	1339.0	1190.3	1043.9	929.3	900.0	1434.2	1897.6	2053.7
70°	1758.6	1582.9	1375.6	1175.6	1026.8	882.9	770.7	690.3	663.4	658.5	648.8
72.5°	1526.9	1363.4	1190.3	1004.9	841.5	709.8	609.8	517.1	478.1	465.9	453.7
75°	1251.2	1122.0	948.8	748.8	617.1	495.1	417.1	356.1	322.0	309.8	295.1
77.5°	804.9	746.4	595.1	482.9	373.2	295.1	253.7	214.6	192.7	187.8	175.6
80°	429.3	400.0	329.3	278.1	222.0	180.5	158.5	136.6	124.4	119.5	114.6
82.5°	239.0	217.1	182.9	161.0	129.3	109.8	97.6	87.8	80.5	78.0	75.6
85°	107.3	92.7	73.2	68.3	61.0	56.1	53.7	48.8	46.3	43.9	41.5
87.5°	4.9	9.8	12.2	9.8	9.8	14.6	17.1	17.1	14.6	14.6	12.2
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: P638755

CATALOG NUMBER: GWS-SA4F-740-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5	5341.5
2.5°	5700.1	5773.3	5780.6	5805.0	5773.3	5765.9	5714.7	5685.4	5658.6	5651.3
5°	6144.0	6290.3	6348.9	6390.3	6351.3	6331.8	6219.6	6102.5	6036.7	6005.0
7.5°	6600.1	6819.6	6934.2	6985.5	6990.3	6902.5	6709.9	6490.3	6380.6	6339.1
10°	7007.4	7278.2	7429.4	7526.9	7492.8	7385.5	7122.1	6824.5	6685.5	6648.9
12.5°	7309.9	7568.4	7685.5	7748.9	7746.5	7687.9	7439.1	7117.2	6958.6	6922.1
15°	7505.0	7658.6	7666.0	7680.6	7722.1	7800.1	7670.8	7373.3	7197.7	7146.4
17.5°	7658.6	7597.7	7483.0	7444.0	7536.7	7753.8	7831.8	7590.4	7400.1	7356.2
20°	7756.2	7448.9	7246.4	7170.8	7278.2	7631.8	7929.4	7785.5	7587.9	7531.8
22.5°	7831.8	7309.9	6983.0	6931.8	7044.0	7500.1	8029.4	8017.2	7800.1	7722.1
25°	7951.3	7217.2	6797.7	6761.1	6866.0	7436.7	8163.5	8331.8	8139.1	8026.9
27.5°	8139.1	7207.4	6702.5	6690.3	6834.2	7492.8	8356.2	8792.8	8551.3	8468.4
30°	8400.1	7300.1	6724.5	6748.9	6924.5	7695.2	8656.2	9319.6	9078.2	8948.9
32.5°	8775.7	7548.9	7058.6	7163.5	7292.8	8019.6	9095.3	9890.4	9707.5	9517.2
35°	9270.9	8231.8	8046.5	8492.8	8370.9	8729.4	9624.5	10583.1	10361.1	10195.3
37.5°	9931.9	9631.8	9802.6	10417.2	10122.1	10070.9	10270.9	11212.4	11090.4	10924.5
40°	10858.7	10919.7	11234.3	12041.6	11614.8	11285.5	11063.6	11685.5	11727.0	11522.1
42.5°	11473.3	11753.8	12512.4	13429.5	12841.7	12053.8	11727.0	12290.4	12292.9	12107.5
45°	11702.6	12436.8	14022.2	15078.3	14095.3	12492.9	12092.9	13112.4	13088.0	12875.8
47.5°	11619.7	13012.4	15590.5	17205.1	15705.1	12805.1	12041.6	14283.1	14480.7	14158.7
50°	11446.5	13590.4	17422.2	19810.0	17680.7	13136.8	11963.6	15580.7	15907.5	15658.8
52.5°	11622.1	14234.4	19588.1	22502.8	20158.8	13666.1	12490.4	17246.6	17188.1	16888.1
55°	12178.2	14995.3	22219.8	25885.7	22880.8	14561.2	13844.1	18834.4	18239.3	17880.7
57.5°	12151.4	15539.3	24527.2	28561.4	25249.1	15295.3	14314.8	19002.7	17800.3	17346.6
60°	11029.4	15290.5	25405.2	30254.1	25963.8	14890.5	12766.0	16973.4	15019.7	14544.1
62.5°	8231.8	13568.5	23702.8	28134.6	23941.8	12861.2	9600.1	12183.1	10792.8	9990.4
65°	5265.9	10614.8	19927.1	22793.0	19734.4	9836.7	5717.2	6531.8	5117.1	4887.9
67.5°	2241.5	7492.8	15490.5	15234.4	14763.6	6373.3	2207.3	1839.1	1370.8	1346.4
70°	741.5	5097.6	9548.9	10161.1	8817.2	4390.3	729.3	617.1	614.6	592.7
72.5°	485.4	2736.6	5375.7	5985.5	5673.3	2526.9	441.5	412.2	422.0	412.2
75°	290.2	595.1	904.9	1175.6	904.9	424.4	265.9	261.0	265.9	253.7
77.5°	170.7	165.9	161.0	161.0	158.5	146.3	134.1	129.3	131.7	134.1
80°	109.8	104.9	100.0	97.6	85.4	80.5	75.6	70.7	70.7	73.2
82.5°	70.7	65.9	61.0	53.7	43.9	36.6	34.1	29.3	29.3	31.7
85°	36.6	29.3	22.0	17.1	9.8	4.9	0.0	0.0	0.0	0.0
87.5°	7.3	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)