

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: P643762

Luminaire Tested: GWS-SA6F-750-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-750-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

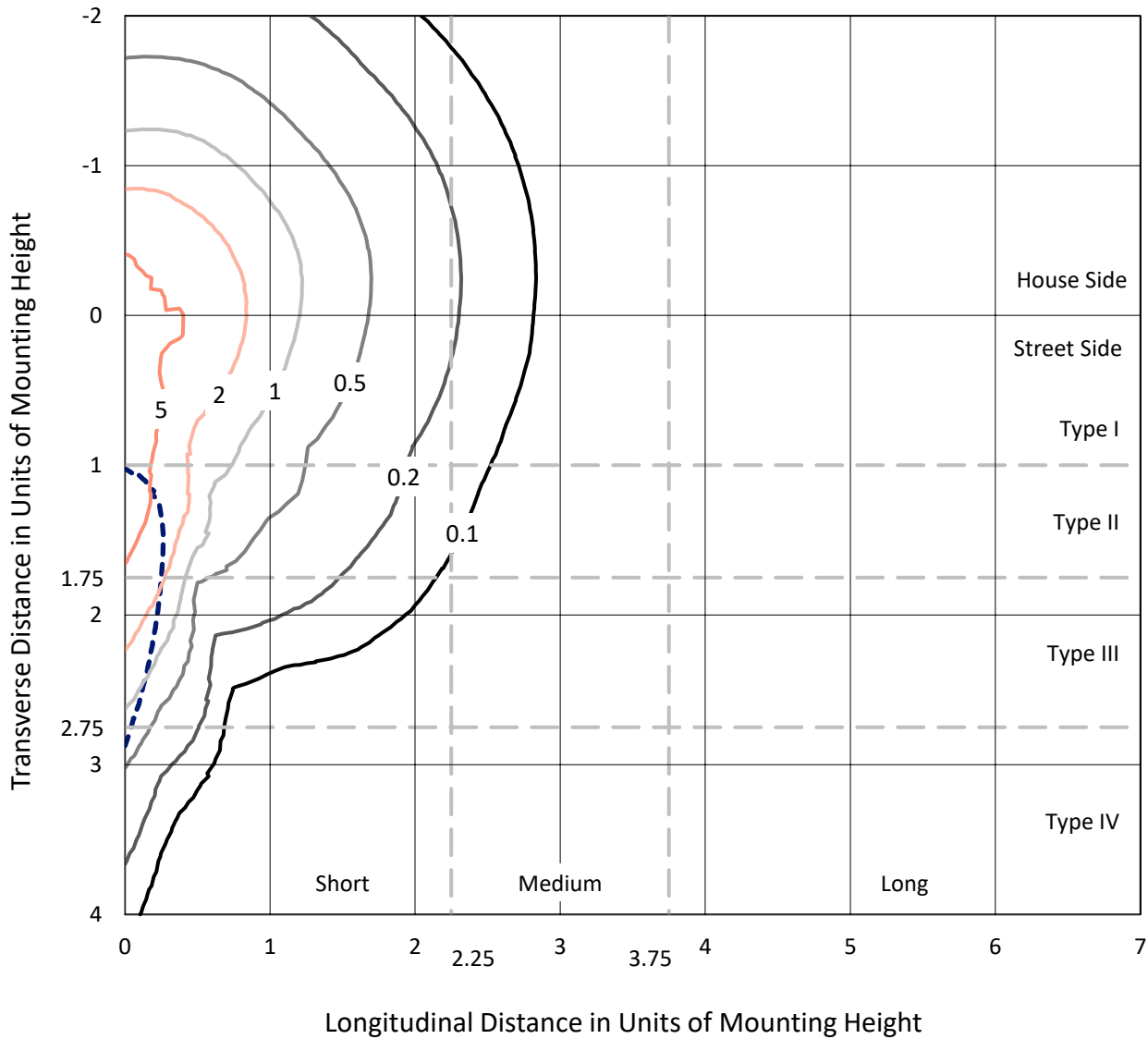
Lumens per Lamp: N/A  
Luminaire Lumens: 47715.3 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

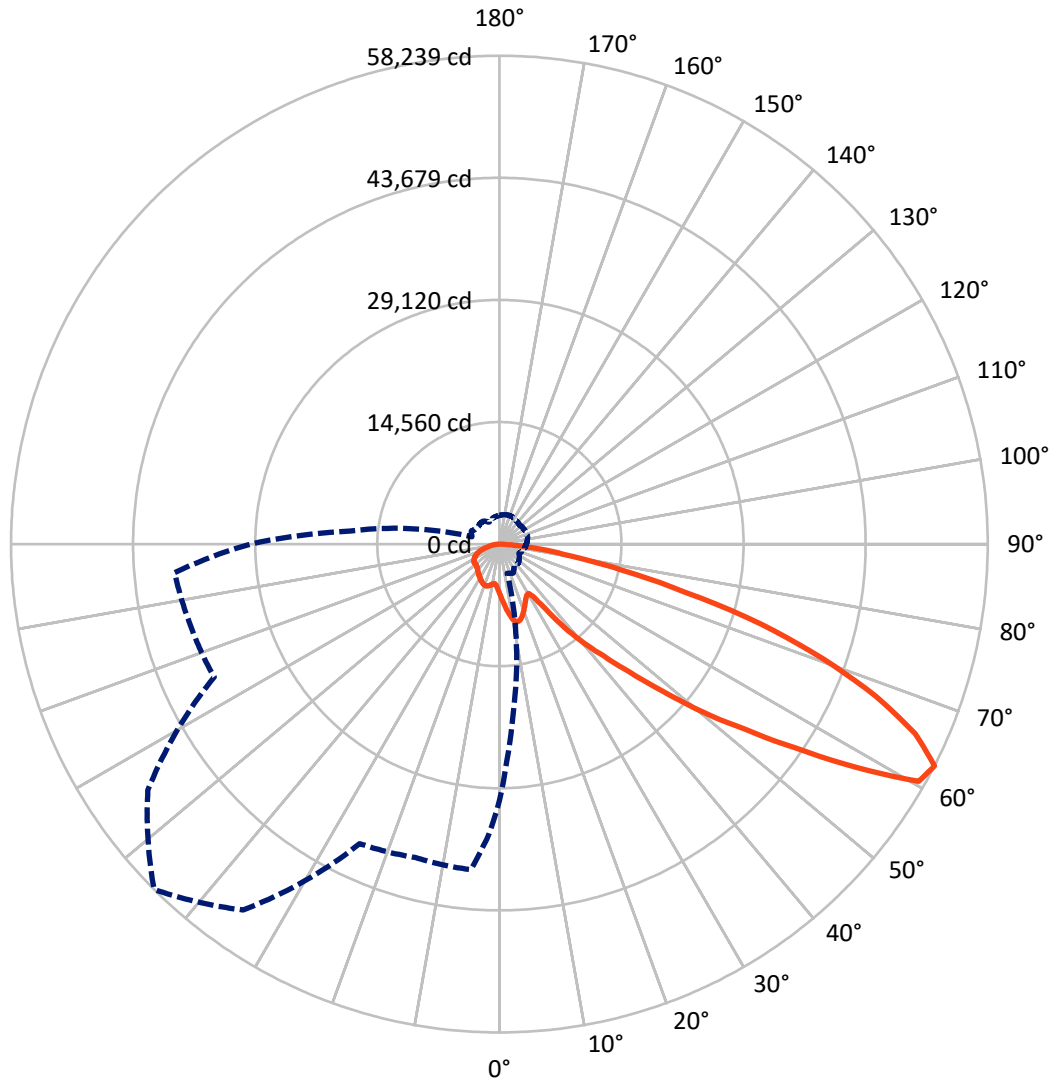
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11408.8	0.0	11408.8
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	36306.5	0.0	36306.5
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	47715.3	0.0	47715.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	586.1	1.2
10°-20°	1904.7	4.0
20°-30°	2998.5	6.3
30°-40°	4110.0	8.6
40°-50°	6412.9	13.4
50°-60°	11057.1	23.2
60°-70°	12813.8	26.9
70°-80°	6763.7	14.2
80°-90°	1068.4	2.2
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°	47715.3	100.0
0°-180°	47715.3	100.0

**Coefficient of Utilization**



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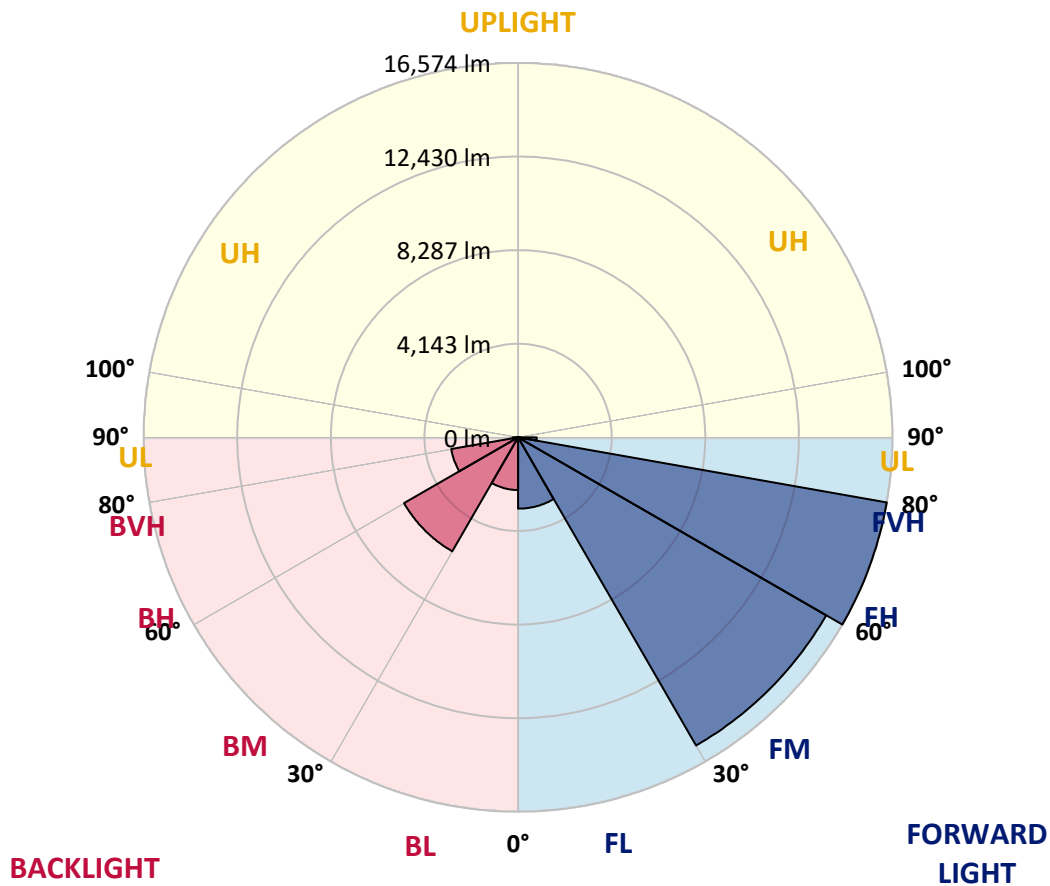
CATALOG NUMBER: GWS-SA6F-750-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3155.8	6.6			
FM (30°-60°)	15752.5	33.0			
FH (60°-80°)	16573.5	34.7			G5
FVH (80°-90°)	824.7	1.7			G5
BL (0°-30°)	2333.5	4.9	B3/2500		
BM (30°-60°)	5827.5	12.2	B4/8500		
BH (60°-80°)	3004.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	243.8	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1
2.5°	6463.7	6438.2	6401.7	6277.6	6200.9	6113.3	6022.1	5916.3	5795.8	5711.9	5627.9
5°	7011.2	6971.0	6883.4	6587.8	6383.4	6160.8	5974.7	5763.0	5554.9	5412.6	5270.3
7.5°	7536.8	7485.7	7350.6	6898.0	6565.9	6244.7	5963.7	5657.1	5346.9	5135.2	4967.3
10°	8062.3	7956.5	7784.9	7193.7	6755.7	6383.4	6062.3	5686.3	5273.9	4985.6	4806.7
12.5°	8463.8	8365.3	8179.1	7463.8	6945.5	6478.3	6117.0	5770.3	5419.9	5113.3	4930.8
15°	8839.7	8712.0	8500.3	7715.6	7102.4	6474.7	6007.5	5704.6	5653.5	5576.8	5339.6
17.5°	9109.8	8993.0	8774.0	7920.0	7190.0	6361.5	5704.6	5525.7	5755.7	5989.3	5763.0
20°	9347.0	9212.0	8989.4	8062.3	7208.3	6109.7	5336.0	5339.6	5700.9	6022.1	5967.4
22.5°	9547.8	9398.1	9201.0	8222.9	7201.0	5759.3	5014.8	5233.8	5595.1	5846.9	5854.2
25°	9796.0	9671.9	9507.6	8460.1	7201.0	5401.6	4781.2	5106.0	5416.2	5627.9	5620.6
27.5°	10098.9	10014.9	9879.9	8821.5	7266.7	5102.4	4649.8	4941.8	5186.3	5368.8	5365.1
30°	10438.3	10361.7	10259.5	9204.7	7379.8	4879.7	4576.8	4737.4	4916.2	5062.2	5062.2
32.5°	10785.0	10755.8	10646.4	9511.3	7292.2	4810.4	4514.8	4533.0	4627.9	4748.3	4737.4
35°	11266.8	11237.6	11098.9	9748.5	6912.6	4711.8	4416.2	4325.0	4335.9	4412.6	4438.1
37.5°	11971.2	11927.4	11723.0	10025.9	6339.6	4463.7	4255.6	4106.0	4073.1	4106.0	4153.4
40°	12821.6	12755.9	12478.5	10401.8	5679.0	4127.9	4003.8	3879.7	3824.9	3835.9	3890.6
42.5°	13887.3	13748.6	13350.8	10799.6	5025.7	3832.2	3722.8	3646.1	3584.1	3576.8	3682.6
45°	15617.3	15237.8	14606.3	11153.7	4474.6	3675.3	3470.9	3416.2	3365.1	3394.3	3518.4
47.5°	18639.3	17938.6	16708.6	11456.6	4138.8	3679.0	3270.2	3211.8	3208.1	3266.5	3405.2
50°	22792.8	21781.8	19883.9	11661.0	3963.6	3722.8	3149.7	3054.8	3124.2	3182.6	3314.0
52.5°	26771.0	25227.1	22967.9	11657.3	3887.0	3730.1	3182.6	2908.9	3124.2	3138.8	3262.9
55°	30168.9	27373.2	23800.1	10460.2	3777.5	3700.9	3310.3	2795.7	3084.0	3138.8	3237.3
57.5°	32869.7	28738.2	23738.0	8449.2	4109.6	3540.3	3387.0	2770.2	2967.3	3146.1	3259.2
60°	32570.5	28114.1	22208.8	5186.3	4076.8	3255.6	3376.0	2817.6	2770.2	3047.6	3233.7
62.5°	30581.3	25876.8	19577.3	3598.7	3828.6	3091.3	3197.2	2901.6	2587.7	2905.2	3109.6
65°	27796.6	22989.8	16314.4	2759.2	3171.6	3098.6	2894.3	2843.2	2427.1	2678.9	2897.9
67.5°	24114.0	19409.4	12880.0	2186.2	2211.8	2682.6	2627.8	2525.6	2277.5	2478.2	2675.3
70°	18128.4	14164.7	8861.6	1759.2	1675.2	2241.0	2361.4	2270.2	2131.5	2189.9	2397.9
72.5°	12774.2	9248.5	4854.2	1394.2	1292.0	1722.7	2051.2	2036.6	1883.3	1927.1	2131.5
75°	9493.0	6544.0	3033.0	1102.2	1051.1	1233.6	1719.0	1762.8	1635.1	1686.2	1843.1
77.5°	6317.7	4237.4	1686.2	817.5	817.5	901.5	1281.1	1485.5	1390.6	1430.7	1540.2
80°	3485.5	2157.0	843.1	536.5	551.1	620.5	934.3	1069.4	1073.0	1171.6	1200.8
82.5°	1102.2	686.2	375.9	313.9	295.6	354.0	602.2	766.4	715.4	912.4	839.4
85°	251.8	160.6	69.3	69.3	76.6	116.8	229.9	408.8	521.9	627.8	456.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	160.6	237.2	211.7
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°	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1
2.5°	5576.8	5503.8	5481.9	5419.9	5412.6	5354.2	5332.3	5332.3	5357.8	5357.8	5383.4
5°	5211.9	5120.6	5069.5	4996.5	4978.3	4934.5	4905.3	4908.9	4941.8	4963.7	5007.5
7.5°	4890.7	4828.6	4792.1	4759.3	4752.0	4744.7	4711.8	4708.2	4719.1	4752.0	4784.8
10°	4755.6	4711.8	4722.8	4748.3	4788.5	4810.4	4781.2	4766.6	4755.6	4777.5	4806.7
12.5°	4887.0	4843.2	4865.1	4908.9	4963.7	4985.6	4974.6	4971.0	4981.9	5065.9	5127.9
15°	5175.4	5091.4	5062.2	5080.5	5124.3	5146.2	5135.2	5149.8	5219.2	5438.1	5595.1
17.5°	5533.0	5328.7	5211.9	5179.0	5197.3	5215.5	5215.5	5252.0	5372.4	5693.6	5890.7
20°	5726.5	5460.0	5263.0	5182.7	5190.0	5208.2	5208.2	5259.3	5394.3	5737.4	5865.2
22.5°	5675.4	5430.8	5190.0	5102.4	5106.0	5120.6	5120.6	5164.4	5284.9	5587.8	5646.2
25°	5474.6	5259.3	5022.1	4945.4	4952.7	4978.3	4971.0	4996.5	5087.8	5336.0	5368.8
27.5°	5233.8	5044.0	4810.4	4752.0	4784.8	4835.9	4792.1	4795.8	4879.7	5087.8	5091.4
30°	4974.6	4817.7	4609.6	4565.9	4627.9	4653.4	4613.3	4613.3	4697.2	4839.6	4835.9
32.5°	4693.6	4595.0	4445.4	4398.0	4467.3	4507.5	4456.4	4463.7	4529.4	4624.2	4587.7
35°	4430.8	4379.7	4310.4	4277.5	4321.3	4357.8	4325.0	4339.6	4401.6	4427.2	4376.1
37.5°	4179.0	4171.7	4179.0	4179.0	4189.9	4200.9	4179.0	4215.5	4270.2	4237.4	4179.0
40°	3960.0	3989.2	4058.5	4040.3	4029.3	4040.3	4025.7	4087.7	4142.5	4084.1	4014.7
42.5°	3777.5	3832.2	3938.1	3938.1	3916.2	3923.5	3916.2	3992.8	4033.0	3952.7	3876.0
45°	3620.6	3700.9	3835.9	3854.1	3817.6	3817.6	3832.2	3927.1	3941.7	3832.2	3752.0
47.5°	3511.1	3609.6	3762.9	3795.8	3741.0	3737.4	3777.5	3879.7	3879.7	3752.0	3660.7
50°	3434.4	3543.9	3726.4	3770.2	3715.5	3700.9	3766.6	3865.1	3843.2	3689.9	3598.7
52.5°	3383.3	3496.5	3722.8	3784.8	3748.3	3733.7	3799.4	3868.7	3814.0	3649.8	3554.9
55°	3350.5	3474.6	3733.7	3784.8	3744.7	3719.1	3784.8	3846.8	3817.6	3627.9	3536.6
57.5°	3368.7	3492.8	3719.1	3744.7	3697.2	3653.4	3730.1	3817.6	3806.7	3635.2	3543.9
60°	3339.5	3452.7	3638.8	3646.1	3565.8	3496.5	3609.6	3741.0	3741.0	3609.6	3529.3
62.5°	3204.5	3317.6	3481.9	3489.2	3397.9	3321.3	3452.7	3609.6	3606.0	3500.1	3416.2
65°	2981.9	3087.7	3273.8	3292.1	3200.8	3120.5	3255.6	3401.6	3412.5	3317.6	3244.6
67.5°	2737.3	2832.2	2970.9	3043.9	2967.3	2883.3	3007.4	3146.1	3142.4	3029.3	2952.7
70°	2445.3	2532.9	2660.7	2722.7	2675.3	2595.0	2708.1	2781.1	2748.3	2693.5	2642.4
72.5°	2157.0	2241.0	2361.4	2361.4	2310.3	2233.7	2266.5	2397.9	2438.0	2397.9	2365.0
75°	1854.1	1927.1	2011.0	2029.3	1916.1	1777.4	1930.7	2043.9	2091.3	2073.1	2032.9
77.5°	1543.8	1598.6	1722.7	1689.8	1478.2	1405.2	1529.2	1697.1	1730.0	1719.0	1664.3
80°	1189.8	1222.7	1354.1	1288.4	1124.1	1076.7	1131.4	1262.8	1270.1	1233.6	1164.3
82.5°	799.3	843.1	930.7	802.9	799.3	755.5	711.7	726.3	792.0	784.7	737.3
85°	408.8	430.7	514.6	481.8	412.4	357.7	339.4	361.3	324.8	295.6	255.5
87.5°	171.5	186.1	255.5	142.3	43.8	0.0	0.0	21.9	32.8	47.4	51.1
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°	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1
2.5°	5441.8	5481.9	5580.5	5704.6	5825.0	5949.1	6084.2	6168.1	6270.3	6401.7	6405.3
5°	5062.2	5153.5	5295.8	5485.6	5682.7	5909.0	6171.7	6390.7	6653.5	6861.6	6945.5
7.5°	4828.6	4960.0	5138.9	5379.7	5638.9	5919.9	6263.0	6631.6	7062.3	7339.7	7503.9
10°	4850.5	5051.3	5230.1	5434.5	5668.1	5971.0	6412.6	6901.7	7430.9	7795.9	8000.3
12.5°	5241.1	5452.7	5419.9	5408.9	5565.9	5934.5	6533.1	7175.4	7821.4	8186.4	8430.9
15°	5733.8	5814.1	5503.8	5270.3	5365.1	5803.1	6598.8	7420.0	8146.3	8591.5	8832.4
17.5°	5985.6	5825.0	5449.1	5098.7	5073.2	5602.4	6631.6	7668.1	8511.2	8956.5	9212.0
20°	5868.8	5635.2	5317.7	4985.6	4803.1	5328.7	6613.4	7865.2	8843.4	9339.7	9547.8
22.5°	5617.0	5412.6	5164.4	4846.9	4584.1	5029.4	6565.9	8062.3	9139.0	9639.0	9821.5
25°	5343.2	5190.0	4985.6	4708.2	4460.0	4766.6	6533.1	8325.1	9478.4	9956.5	10073.3
27.5°	5069.5	4956.4	4788.5	4573.2	4430.8	4584.1	6544.0	8668.2	9916.4	10369.0	10321.5
30°	4799.4	4700.9	4584.1	4489.2	4427.2	4540.3	6514.8	9033.2	10398.2	10817.9	10536.9
32.5°	4544.0	4452.7	4379.7	4394.3	4430.8	4558.6	6365.2	9365.3	10839.8	11197.5	10770.4
35°	4325.0	4230.1	4230.1	4281.2	4416.2	4496.5	5978.3	9624.4	11328.9	11686.5	11102.6
37.5°	4120.6	4036.6	4091.4	4175.3	4303.1	4328.6	5481.9	9876.3	12040.6	12376.3	11617.2
40°	3941.7	3857.8	3956.3	4062.2	4127.9	4116.9	4978.3	10226.6	12880.0	13226.7	12299.7
42.5°	3799.4	3722.8	3810.4	3945.4	3956.3	3967.3	4609.6	10562.4	13854.5	14296.1	13474.9
45°	3682.6	3627.9	3671.7	3806.7	3806.7	3974.6	4379.7	10843.4	15321.7	16102.7	15631.9
47.5°	3591.4	3558.5	3580.4	3624.2	3697.2	4106.0	4233.7	11058.8	17993.3	19526.2	19051.8
50°	3540.3	3507.4	3536.6	3445.4	3664.4	4171.7	4186.3	11223.0	21515.3	23916.9	23329.3
52.5°	3496.5	3485.5	3503.8	3292.1	3737.4	4127.9	4149.8	11004.0	23876.7	28238.2	28818.5
55°	3481.9	3489.2	3401.6	3178.9	3824.9	3981.9	4040.3	9438.3	24519.1	31964.6	35566.9
57.5°	3489.2	3467.3	3244.6	3189.9	3828.6	3689.9	4197.2	6733.8	23584.8	33585.1	42169.3
60°	3463.6	3354.1	3054.8	3288.4	3660.7	3346.8	4084.1	4390.7	21121.2	32340.5	42552.6
62.5°	3350.5	3189.9	2890.6	3343.2	3361.4	3142.4	3708.2	3383.3	17836.4	29676.2	38859.0
65°	3186.2	2970.9	2751.9	3230.0	3058.5	3047.6	2788.4	2711.8	14343.6	26504.6	35355.2
67.5°	2916.2	2700.8	2649.7	2970.9	2751.9	2700.8	2241.0	2248.3	11445.6	23124.9	31833.2
70°	2609.6	2394.2	2434.4	2686.2	2449.0	2244.6	1813.9	1872.3	8682.8	19267.1	27084.9
72.5°	2408.8	2120.5	2124.2	2365.0	2153.4	1817.6	1492.8	1543.8	5511.1	14522.4	21533.6
75°	2032.9	1868.7	1788.4	1916.1	1828.5	1416.1	1255.5	1244.6	3266.5	10409.1	16124.6
77.5°	1697.1	1569.4	1529.2	1580.3	1365.0	1047.5	1011.0	992.7	1850.4	6668.1	10566.1
80°	1230.0	1197.1	1193.5	1219.0	1051.1	770.1	770.1	773.7	996.4	3620.6	5956.4
82.5°	781.0	854.0	755.5	839.4	715.4	547.5	511.0	580.3	573.0	1543.8	2511.0
85°	324.8	445.3	416.1	441.6	339.4	299.3	321.2	346.7	332.1	594.9	978.1
87.5°	62.0	73.0	80.3	76.6	76.6	94.9	105.8	127.7	127.7	171.5	295.6
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1	5949.1
2.5°	6544.0	6649.9	6628.0	6675.4	6613.4	6635.3	6511.2	6478.3	6456.4	6463.7
5°	7215.6	7430.9	7471.1	7551.4	7496.6	7496.6	7277.6	7113.4	7055.0	7011.2
7.5°	7898.1	8208.3	8412.7	8434.6	8405.4	8347.0	8029.5	7733.8	7628.0	7536.8
10°	8503.9	8876.2	9106.2	9215.6	9160.9	9069.7	8675.5	8270.4	8142.6	8062.3
12.5°	8967.5	9295.9	9449.2	9522.2	9514.9	9482.1	9160.9	8722.9	8587.9	8463.8
15°	9266.7	9431.0	9372.6	9368.9	9420.0	9551.4	9452.9	9109.8	8952.9	8839.7
17.5°	9460.2	9303.2	9044.1	8923.7	9033.2	9343.4	9569.7	9376.2	9233.9	9109.8
20°	9529.5	8971.1	8595.2	8372.6	8500.3	8949.2	9507.6	9569.7	9449.2	9347.0
22.5°	9449.2	8566.0	8055.0	7792.2	7916.3	8452.8	9325.1	9726.6	9646.3	9547.8
25°	9252.1	8142.6	7529.5	7292.2	7427.3	7974.7	9000.3	9872.6	9876.3	9796.0
27.5°	9007.6	7752.1	7160.8	6938.2	7069.6	7580.6	8682.8	10000.3	10128.1	10098.9
30°	8759.4	7518.5	6985.6	6828.7	6927.2	7379.8	8358.0	10131.7	10387.2	10438.3
32.5°	8646.3	7631.6	7398.1	7467.4	7339.7	7496.6	8241.2	10317.9	10701.1	10785.0
35°	8795.9	8635.3	9226.6	9500.3	9047.8	8452.8	8390.8	10598.9	11142.7	11266.8
37.5°	9522.2	10785.0	11668.3	12631.8	11847.1	10536.9	9131.7	11077.0	11774.1	11971.2
40°	11102.6	12661.0	14256.0	15500.5	14314.4	12551.5	10540.5	11788.7	12642.8	12821.6
42.5°	12591.7	14420.2	16617.4	18226.9	16686.7	14197.6	12058.8	12985.8	13788.8	13887.3
45°	14051.6	16146.5	19475.1	21712.4	19621.1	15763.3	13610.0	15007.8	15613.7	15617.3
47.5°	15763.3	18091.9	23059.2	26245.4	23515.4	17497.0	15066.2	18208.7	19051.8	18639.3
50°	17810.8	20026.2	26749.1	31519.3	28263.7	19628.4	16916.6	22110.3	23259.9	22792.8
52.5°	20551.8	22157.7	30814.9	36661.8	33439.1	22055.5	19599.2	27263.7	27643.3	26771.0
55°	24409.6	25234.4	36034.1	43012.4	39216.7	25044.7	23522.7	33731.1	32669.0	30168.9
57.5°	33194.6	30103.2	42735.0	50257.2	45753.4	30475.5	32121.5	40862.7	37085.2	32869.7
60°	40545.2	36015.8	48936.0	57447.2	51355.8	36461.1	40194.8	42103.6	36921.0	32570.5
62.5°	38067.0	37523.2	51173.3	58239.2	53268.3	39406.5	38694.8	38975.8	34512.1	30581.3
65°	33399.0	34614.3	49176.9	54483.6	51147.7	36767.7	35001.2	36085.2	31756.6	27796.6
67.5°	30643.4	31537.6	45625.7	48472.5	47293.6	33913.6	32128.8	31344.1	27479.0	24114.0
70°	27825.8	28566.7	40640.1	40928.4	41282.4	29168.9	26271.0	23935.1	20482.5	18128.4
72.5°	24044.6	24084.8	34336.9	32665.4	33336.9	22825.6	21146.7	17894.8	14909.3	12774.2
75°	20172.2	19070.0	27179.8	22832.9	24179.7	17756.1	17559.0	13485.9	11244.9	9493.0
77.5°	15380.1	14091.7	19854.7	15015.1	16982.3	11825.2	13201.2	9146.3	7912.7	6317.7
80°	10325.2	9522.2	10971.2	8474.7	11109.9	8149.9	8609.8	5182.7	4492.9	3485.5
82.5°	5445.4	4649.8	6781.3	5025.7	6701.0	4478.3	3230.0	1602.2	1365.0	1102.2
85°	2109.6	2441.7	3324.9	1788.4	2598.6	1598.6	934.3	397.8	332.1	251.8
87.5°	408.8	631.4	346.7	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)