

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: P643485

Luminaire Tested: GWS-SA6F-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643485  
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-SAGF-722-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

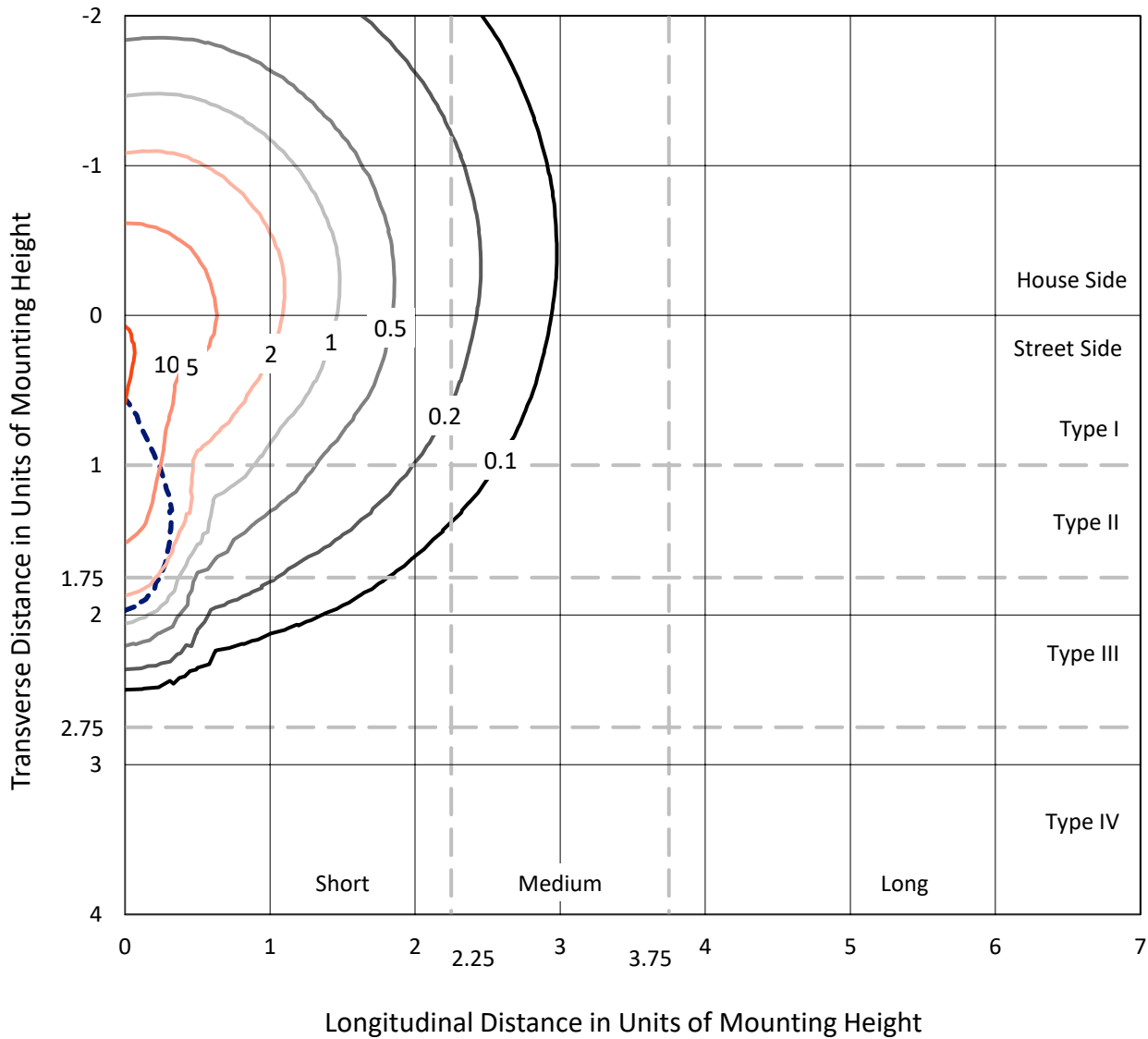
Lumens per Lamp: N/A  
Luminaire Lumens: 28535.7 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

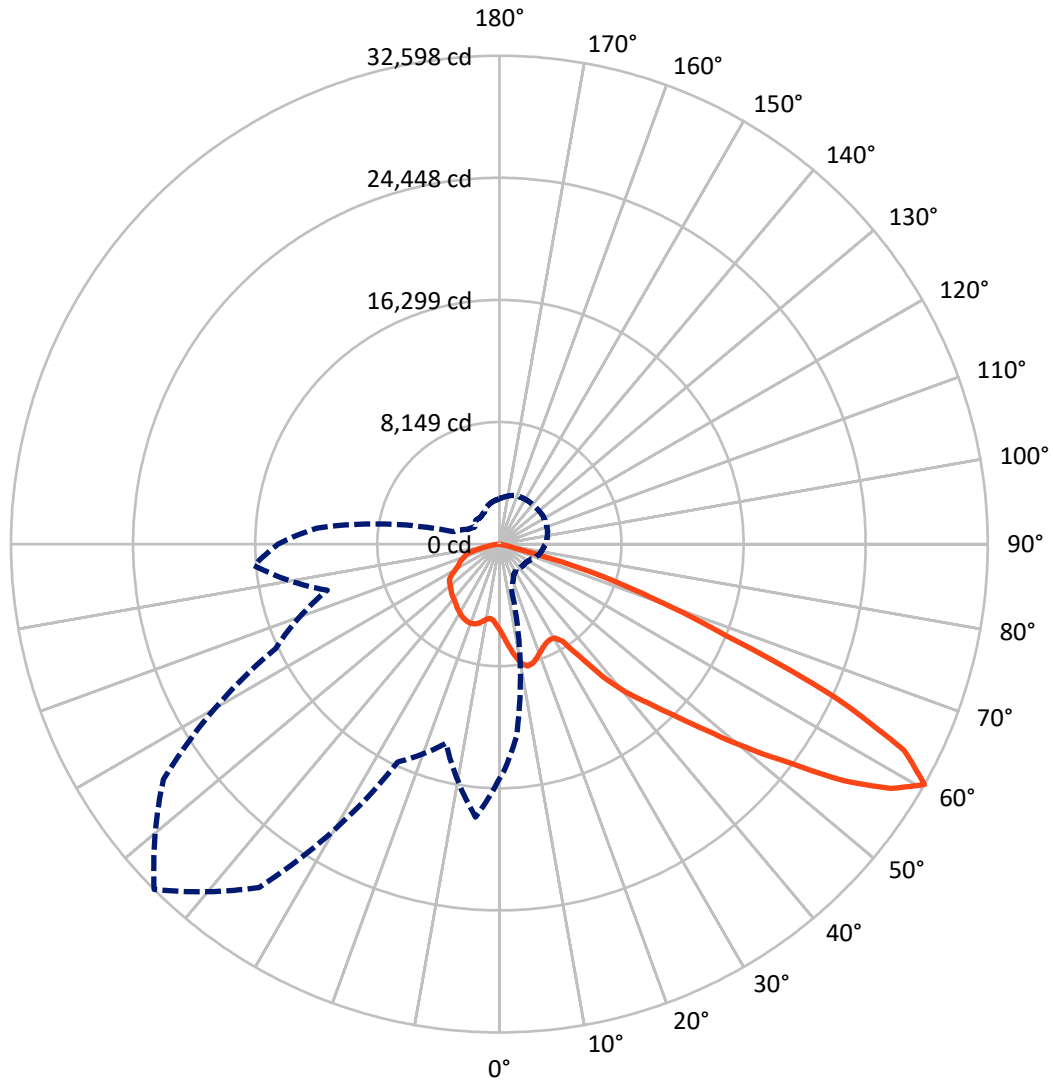
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	9761.8	0.0	9761.8
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	18773.9	0.0	18773.9
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	28535.7	0.0	28535.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.3	2.0
10°-20°	1803.5	6.3
20°-30°	2937.3	10.3
30°-40°	4126.2	14.5
40°-50°	5646.3	19.8
50°-60°	7243.9	25.4
60°-70°	4877.8	17.1
70°-80°	1219.4	4.3
80°-90°	118.9	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°	28535.7	100.0
0°-180°	28535.7	100.0

**Coefficient of Utilization**



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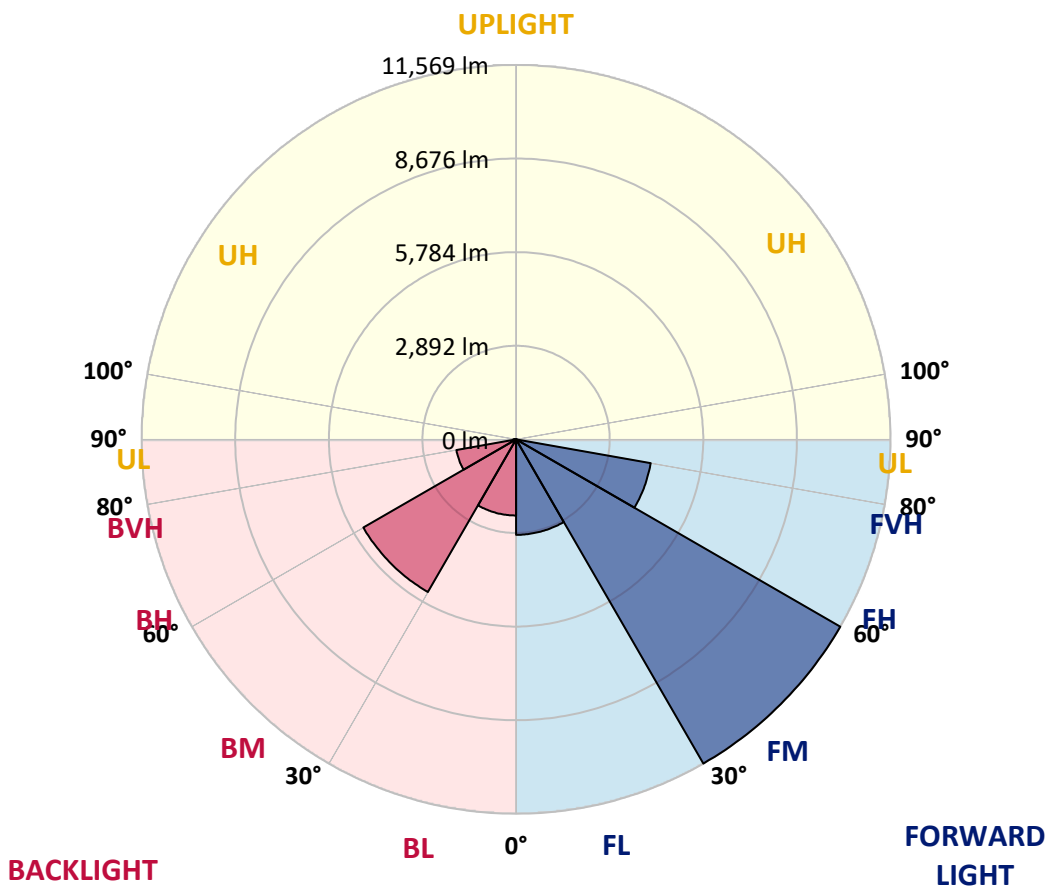
CATALOG NUMBER: GWS-SA6F-722-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2949.9	10.3			
FM (30°-60°)	11568.6	40.5			
FH (60°-80°)	4224.5	14.8			G2/5000
FVH (80°-90°)	30.9	0.1			G1/100
BL (0°-30°)	2353.2	8.2	B3/2500		
BM (30°-60°)	5447.9	19.1	B4/8500		
BH (60°-80°)	1872.8	6.6	B3/2500		G3/2500
BVH (80°-90°)	88.0	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°	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3
2.5°	6089.1	6076.0	6062.8	5960.3	5934.1	5860.5	5807.9	5742.2	5647.6	5595.0	5550.4
5°	6470.2	6449.1	6378.2	6167.9	6031.3	5881.5	5758.0	5621.3	5476.8	5382.2	5308.6
7.5°	6830.2	6824.9	6704.1	6357.2	6136.4	5920.9	5752.7	5553.0	5345.4	5203.5	5108.9
10°	7164.0	7124.5	6980.0	6528.0	6238.9	5991.9	5810.5	5589.8	5348.0	5156.2	5030.0
12.5°	7458.3	7408.4	7208.6	6685.7	6328.3	6023.4	5826.3	5645.0	5484.7	5324.4	5179.8
15°	7700.1	7639.6	7437.3	6832.8	6407.1	6005.0	5729.1	5587.2	5642.3	5713.3	5553.0
17.5°	7926.1	7863.0	7616.0	6940.6	6430.7	5892.0	5489.9	5429.5	5708.0	6031.3	5957.7
20°	8115.3	8044.3	7757.9	6993.1	6388.7	5676.5	5179.8	5284.9	5652.9	6039.2	6157.4
22.5°	8320.3	8262.5	7918.2	7069.4	6336.1	5379.5	4919.6	5177.2	5558.2	5897.3	6076.0
25°	8648.8	8577.8	8167.9	7203.4	6309.9	5101.0	4733.1	5072.1	5426.8	5734.3	5873.6
27.5°	9124.5	8993.1	8509.5	7437.3	6338.8	4838.2	4614.8	4943.3	5274.4	5537.2	5650.2
30°	9642.2	9484.5	8887.9	7679.1	6380.8	4677.9	4551.7	4796.1	5040.5	5303.3	5426.8
32.5°	10254.5	10115.2	9292.7	7860.4	6291.5	4604.3	4504.4	4635.8	4830.3	5040.5	5143.0
35°	10985.1	10735.4	9734.2	8007.6	6002.4	4496.5	4462.4	4459.7	4562.2	4767.2	4882.8
37.5°	11770.9	11502.8	10278.2	8165.2	5553.0	4325.7	4362.5	4252.1	4346.7	4509.7	4641.1
40°	12414.7	12133.5	10827.4	8380.7	4990.6	4057.7	4141.7	4023.5	4081.3	4249.5	4396.7
42.5°	13045.5	12745.9	11339.9	8625.1	4446.6	3794.9	3836.9	3792.2	3810.6	3986.7	4191.7
45°	13873.3	13536.9	11970.6	8798.6	3957.8	3587.2	3547.8	3471.6	3568.8	3797.5	4015.6
47.5°	15255.6	14853.5	13003.4	8911.6	3603.0	3469.0	3287.6	3243.0	3363.9	3618.8	3844.8
50°	16871.8	16524.9	14653.8	8906.3	3337.6	3369.1	3035.4	2995.9	3195.7	3453.2	3692.4
52.5°	18196.4	17844.2	16065.0	8643.5	3119.5	3156.2	2888.2	2777.8	3051.1	3290.3	3529.4
55°	19266.0	18869.1	16714.2	7545.0	2843.5	2817.2	2727.9	2525.5	2869.8	3127.3	3350.7
57.5°	18690.4	18217.4	15928.4	5737.0	2559.7	2394.1	2451.9	2302.1	2622.8	2946.0	3161.5
60°	15670.8	15245.1	12940.3	3053.8	2252.2	1999.9	2120.8	2144.5	2352.1	2727.9	2948.6
62.5°	10764.3	10454.2	8769.7	1852.7	1776.5	1605.7	1794.9	1965.8	2120.8	2438.8	2630.6
65°	5266.5	5174.6	4386.2	1187.9	1243.0	1298.2	1487.5	1695.1	1923.7	2202.3	2404.6
67.5°	1450.7	1461.2	1329.8	927.7	980.2	1132.7	1282.5	1448.0	1676.7	1934.2	2139.2
70°	638.6	649.1	670.1	714.8	814.7	954.0	1109.0	1279.8	1490.1	1705.6	1902.7
72.5°	444.1	454.6	486.2	544.0	633.4	764.8	911.9	1074.9	1293.0	1474.3	1637.3
75°	273.3	281.2	310.1	360.0	420.5	520.3	664.9	814.7	1006.5	1172.1	1316.6
77.5°	144.5	139.3	157.7	191.8	244.4	297.0	394.2	488.8	625.5	759.5	880.4
80°	78.8	76.2	86.7	105.1	120.9	162.9	228.6	291.7	370.5	446.8	512.5
82.5°	34.2	31.5	34.2	44.7	55.2	78.8	115.6	160.3	205.0	257.5	299.6
85°	0.0	0.0	0.0	2.6	13.1	21.0	39.4	57.8	84.1	115.6	141.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	23.7
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°	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3
2.5°	5524.1	5458.4	5453.1	5400.6	5405.8	5408.4	5355.9	5334.9	5353.3	5374.3	5363.8
5°	5282.3	5214.0	5185.1	5135.1	5129.9	5106.2	5085.2	5058.9	5077.3	5095.7	5106.2
7.5°	5072.1	5027.4	5009.0	4995.9	5001.1	4990.6	4948.5	4924.9	4922.3	4930.2	4940.7
10°	5003.7	4966.9	4990.6	5027.4	5053.7	5072.1	5027.4	4988.0	4951.2	4935.4	4935.4
12.5°	5150.9	5103.6	5150.9	5190.3	5242.9	5256.0	5206.1	5164.0	5150.9	5166.7	5198.2
15°	5476.8	5366.4	5363.8	5387.4	5429.5	5450.5	5403.2	5382.2	5382.2	5482.0	5560.9
17.5°	5802.7	5621.3	5545.1	5532.0	5558.2	5566.1	5526.7	5508.3	5555.6	5750.1	5897.3
20°	6031.3	5810.5	5645.0	5613.4	5621.3	5623.9	5592.4	5579.3	5647.6	5884.1	6007.6
22.5°	6007.6	5844.7	5642.3	5602.9	5616.1	5610.8	5581.9	5576.6	5631.8	5836.8	5894.6
25°	5844.7	5718.6	5547.7	5521.5	5542.5	5539.9	5510.9	5497.8	5521.5	5658.1	5663.4
27.5°	5658.1	5547.7	5400.6	5392.7	5426.8	5445.2	5395.3	5355.9	5348.0	5440.0	5419.0
30°	5434.7	5353.3	5235.0	5240.3	5303.3	5313.8	5253.4	5195.6	5179.8	5229.7	5200.8
32.5°	5169.3	5143.0	5079.9	5093.1	5153.5	5174.6	5111.5	5051.0	5032.6	5048.4	4988.0
35°	4943.3	4932.8	4938.0	4961.7	5014.2	5030.0	4977.5	4930.2	4903.9	4848.7	4769.8
37.5°	4709.4	4738.3	4814.5	4859.2	4888.1	4882.8	4853.9	4819.8	4777.7	4675.2	4578.0
40°	4491.3	4564.9	4701.5	4751.4	4762.0	4764.6	4743.6	4714.7	4662.1	4525.4	4415.1
42.5°	4323.1	4404.5	4585.9	4662.1	4667.4	4672.6	4651.6	4627.9	4554.3	4373.0	4265.3
45°	4147.0	4254.8	4467.6	4559.6	4554.3	4551.7	4533.3	4522.8	4436.1	4225.8	4107.6
47.5°	3997.2	4123.4	4352.0	4430.8	4428.2	4425.6	4412.4	4412.4	4325.7	4097.1	3963.0
50°	3850.0	3994.6	4233.7	4299.4	4304.7	4299.4	4294.2	4302.1	4199.6	3955.2	3823.8
52.5°	3689.7	3852.7	4102.3	4162.8	4194.3	4207.4	4207.4	4189.1	4068.2	3813.2	3668.7
55°	3513.7	3668.7	3957.8	4039.3	4065.5	4089.2	4089.2	4052.4	3939.4	3681.8	3526.8
57.5°	3295.5	3432.2	3660.8	3742.3	3805.4	3821.1	3821.1	3760.7	3668.7	3421.7	3295.5
60°	3059.0	3177.3	3332.3	3419.0	3466.3	3434.8	3458.5	3442.7	3369.1	3140.5	3035.4
62.5°	2743.6	2864.5	3035.4	3124.7	3145.7	3114.2	3145.7	3143.1	3043.2	2838.3	2712.1
65°	2517.6	2635.9	2804.1	2919.7	2953.9	2946.0	2967.0	2935.5	2812.0	2617.5	2496.6
67.5°	2249.6	2375.7	2570.2	2699.0	2769.9	2777.8	2806.7	2741.0	2614.9	2402.0	2249.6
70°	1994.7	2102.4	2252.2	2373.1	2473.0	2522.9	2528.1	2433.5	2275.9	2099.8	1989.4
72.5°	1726.6	1837.0	2018.3	2149.7	2275.9	2333.7	2333.7	2218.0	2047.2	1852.7	1734.5
75°	1400.7	1503.2	1668.8	1810.7	1955.2	2028.8	2026.2	1926.3	1737.1	1553.2	1429.6
77.5°	948.7	1024.9	1130.0	1237.8	1258.8	1316.6	1345.5	1219.4	1114.3	1014.4	904.0
80°	551.9	599.2	657.0	717.4	730.6	749.0	701.7	654.4	599.2	533.5	483.6
82.5°	323.2	354.8	383.7	431.0	438.9	444.1	402.1	381.1	336.4	297.0	265.4
85°	157.7	168.2	194.5	218.1	207.6	202.4	184.0	162.9	144.5	128.8	113.0
87.5°	31.5	31.5	47.3	44.7	36.8	31.5	18.4	23.7	5.3	5.3	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°	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3
2.5°	5397.9	5442.6	5497.8	5571.4	5655.5	5744.8	5831.6	5897.3	5963.0	6060.2	6044.4
5°	5122.0	5198.2	5284.9	5397.9	5534.6	5689.6	5863.1	6036.5	6223.1	6380.8	6449.1
7.5°	4961.7	5045.8	5148.3	5295.4	5471.5	5660.7	5905.1	6186.3	6488.6	6696.2	6824.9
10°	4961.7	5069.4	5203.5	5345.4	5500.4	5694.9	5997.1	6349.3	6738.2	7011.5	7161.3
12.5°	5248.1	5355.9	5384.8	5379.5	5466.3	5681.8	6070.7	6520.1	6985.3	7274.3	7458.3
15°	5694.9	5731.7	5513.6	5313.8	5327.0	5587.2	6104.9	6656.8	7198.1	7545.0	7744.8
17.5°	5994.5	5897.3	5508.3	5158.8	5085.2	5426.8	6104.9	6788.2	7424.1	7815.7	8002.3
20°	6018.1	5776.4	5374.3	5009.0	4819.8	5214.0	6062.8	6888.0	7642.3	8075.9	8275.6
22.5°	5810.5	5571.4	5232.4	4880.2	4601.6	4956.4	5994.5	6964.2	7828.8	8320.3	8567.3
25°	5574.0	5374.3	5087.8	4748.8	4451.9	4696.3	5931.4	7093.0	8089.0	8651.4	8901.1
27.5°	5342.7	5174.6	4914.4	4638.4	4367.8	4470.2	5892.0	7282.2	8399.1	9121.8	9337.3
30°	5116.7	4964.3	4727.8	4533.3	4323.1	4323.1	5857.8	7500.3	8809.1	9650.1	9865.6
32.5°	4888.1	4743.6	4551.7	4430.8	4296.8	4265.3	5763.2	7705.3	9232.2	10228.2	10449.0
35°	4675.2	4530.7	4383.5	4333.6	4283.7	4220.6	5529.3	7865.6	9644.8	10903.6	11092.8
37.5°	4475.5	4336.2	4225.8	4212.7	4218.0	4099.7	5161.4	7999.7	10159.9	11594.8	11694.7
40°	4302.1	4147.0	4060.3	4057.7	4083.9	3905.2	4696.3	8191.5	10748.6	12180.8	12138.8
42.5°	4147.0	3984.1	3878.9	3902.6	3886.8	3710.8	4241.6	8367.6	11261.0	12730.1	12646.0
45°	3994.6	3836.9	3689.7	3723.9	3705.5	3589.9	3855.3	8496.4	11828.7	13389.7	13400.2
47.5°	3847.4	3692.4	3545.2	3503.1	3500.5	3553.1	3558.3	8538.4	12753.7	14451.4	14212.3
50°	3710.8	3555.7	3403.3	3261.4	3316.6	3479.5	3337.6	8506.9	14138.7	15623.5	14956.0
52.5°	3568.8	3421.7	3253.5	2998.6	3143.1	3303.4	3140.5	8393.9	14984.9	16659.0	16259.5
55°	3405.9	3266.6	3038.0	2727.9	2904.0	2938.1	2938.1	7300.6	15345.0	17683.9	17930.9
57.5°	3187.8	3003.8	2641.2	2391.5	2549.2	2417.8	2722.6	5108.9	14751.0	17360.7	18319.9
60°	2940.7	2743.6	2360.0	2181.3	2228.6	1997.3	2320.5	3203.5	12225.5	14772.1	16433.0
62.5°	2614.9	2433.5	2115.6	1976.3	1879.0	1629.4	1868.5	2026.2	8380.7	10969.3	12102.0
65°	2396.7	2197.0	1913.2	1729.2	1529.5	1311.4	1240.4	1329.8	4507.0	6139.0	6903.8
67.5°	2139.2	1942.1	1674.0	1442.8	1282.5	1124.8	1001.3	969.7	1545.3	2044.6	2212.8
70°	1894.8	1705.6	1482.2	1266.7	1106.4	951.3	830.5	743.7	714.8	709.6	699.1
72.5°	1645.1	1469.1	1282.5	1082.7	906.7	764.8	657.0	557.1	515.1	502.0	488.8
75°	1348.2	1208.9	1022.3	806.8	664.9	533.5	449.4	383.7	346.9	333.8	318.0
77.5°	867.2	804.2	641.2	520.3	402.1	318.0	273.3	231.3	207.6	202.4	189.2
80°	462.5	431.0	354.8	299.6	239.1	194.5	170.8	147.2	134.0	128.8	123.5
82.5°	257.5	233.9	197.1	173.4	139.3	118.3	105.1	94.6	86.7	84.1	81.5
85°	115.6	99.9	78.8	73.6	65.7	60.4	57.8	52.6	49.9	47.3	44.7
87.5°	5.3	10.5	13.1	10.5	10.5	15.8	18.4	18.4	15.8	15.8	13.1
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3	5755.3
2.5°	6141.7	6220.5	6228.4	6254.7	6220.5	6212.6	6157.4	6125.9	6097.0	6089.1
5°	6620.0	6777.6	6840.7	6885.4	6843.3	6822.3	6701.4	6575.3	6504.3	6470.2
7.5°	7111.4	7347.9	7471.4	7526.6	7531.9	7437.3	7229.7	6993.1	6874.9	6830.2
10°	7550.3	7842.0	8004.9	8110.0	8073.3	7957.6	7673.8	7353.2	7203.4	7164.0
12.5°	7876.2	8154.7	8280.9	8349.2	8346.6	8283.5	8015.4	7668.5	7497.7	7458.3
15°	8086.4	8252.0	8259.8	8275.6	8320.3	8404.4	8265.1	7944.5	7755.3	7700.1
17.5°	8252.0	8186.3	8062.7	8020.7	8120.6	8354.5	8438.5	8178.4	7973.4	7926.1
20°	8357.1	8026.0	7807.8	7726.4	7842.0	8223.1	8543.7	8388.6	8175.7	8115.3
22.5°	8438.5	7876.2	7524.0	7468.8	7589.7	8081.1	8651.4	8638.3	8404.4	8320.3
25°	8567.3	7776.3	7324.3	7284.9	7397.9	8012.8	8796.0	8977.3	8769.7	8648.8
27.5°	8769.7	7765.8	7221.8	7208.6	7363.7	8073.3	9003.6	9474.0	9213.8	9124.5
30°	9050.9	7865.6	7245.4	7271.7	7460.9	8291.4	9326.8	10041.6	9781.5	9642.2
32.5°	9455.6	8133.7	7605.5	7718.5	7857.8	8640.9	9799.9	10656.6	10459.5	10254.5
35°	9989.1	8869.5	8669.8	9150.7	9019.3	9405.7	10370.1	11402.9	11163.8	10985.1
37.5°	10701.3	10378.0	10562.0	11224.2	10906.3	10851.1	11066.6	12081.0	11949.6	11770.9
40°	11699.9	11765.6	12104.6	12974.5	12514.6	12159.8	11920.7	12590.8	12635.5	12414.7
42.5°	12362.2	12664.4	13481.7	14469.8	13836.5	12987.6	12635.5	13242.6	13245.2	13045.5
45°	12609.2	13400.2	15108.4	16246.4	15187.3	13460.7	13029.7	14128.2	14101.9	13873.3
47.5°	12519.9	14020.4	16798.3	18538.0	16921.8	13797.1	12974.5	15389.6	15602.5	15255.6
50°	12333.3	14643.3	18771.9	21344.7	19050.5	14154.5	12890.4	16787.7	17139.9	16871.8
52.5°	12522.5	15337.1	21105.6	24246.0	21720.5	14724.8	13458.1	18582.7	18519.6	18196.4
55°	13121.7	16157.0	23941.2	27891.1	24653.4	15689.2	14916.6	20293.5	19652.3	19266.0
57.5°	13092.8	16743.1	26427.3	30774.0	27205.2	16480.3	15423.8	20474.8	19179.2	18690.4
60°	11883.9	16475.0	27373.4	32597.9	27975.2	16044.0	13755.0	18288.3	16183.3	15670.8
62.5°	8869.5	14619.6	25539.0	30314.1	25796.6	13857.5	10343.9	13126.9	11629.0	10764.3
65°	5673.9	11437.1	21470.9	24558.8	21263.2	10598.8	6160.1	7037.8	5513.6	5266.5
67.5°	2415.1	8073.3	16690.5	16414.6	15907.4	6867.0	2378.4	1981.5	1476.9	1450.7
70°	798.9	5492.5	10288.7	10948.3	9500.3	4730.4	785.8	664.9	662.3	638.6
72.5°	523.0	2948.6	5792.1	6449.1	6112.8	2722.6	475.7	444.1	454.6	444.1
75°	312.7	641.2	975.0	1266.7	975.0	457.3	286.5	281.2	286.5	273.3
77.5°	184.0	178.7	173.4	173.4	170.8	157.7	144.5	139.3	141.9	144.5
80°	118.3	113.0	107.7	105.1	92.0	86.7	81.5	76.2	76.2	78.8
82.5°	76.2	71.0	65.7	57.8	47.3	39.4	36.8	31.5	31.5	34.2
85°	39.4	31.5	23.7	18.4	10.5	5.3	0.0	0.0	0.0	0.0
87.5°	7.9	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)