

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: P643159

Luminaire Tested: GWS-SA6E-735-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-735-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

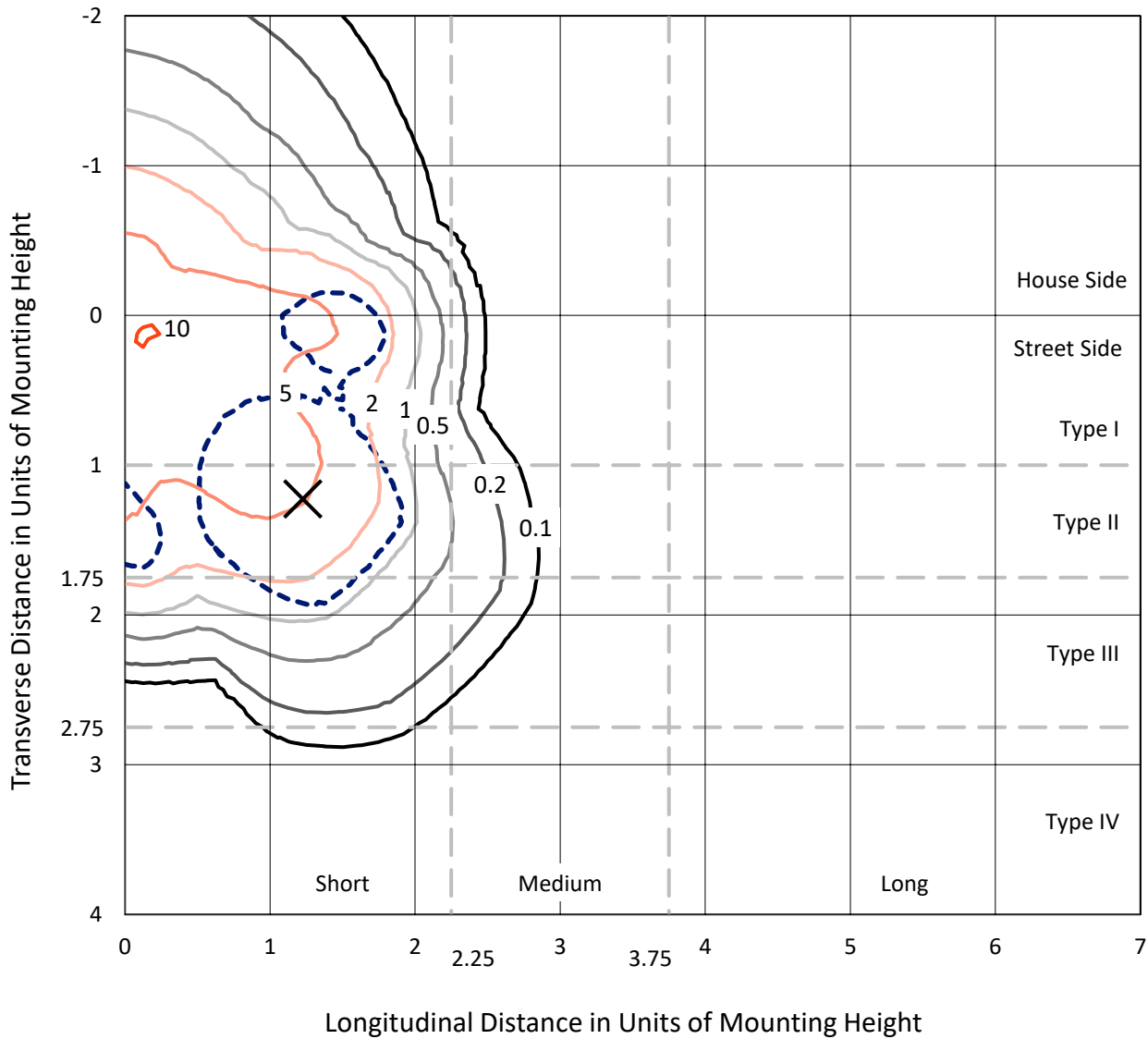
Lumens per Lamp: N/A  
Luminaire Lumens: 34543.5 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): 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

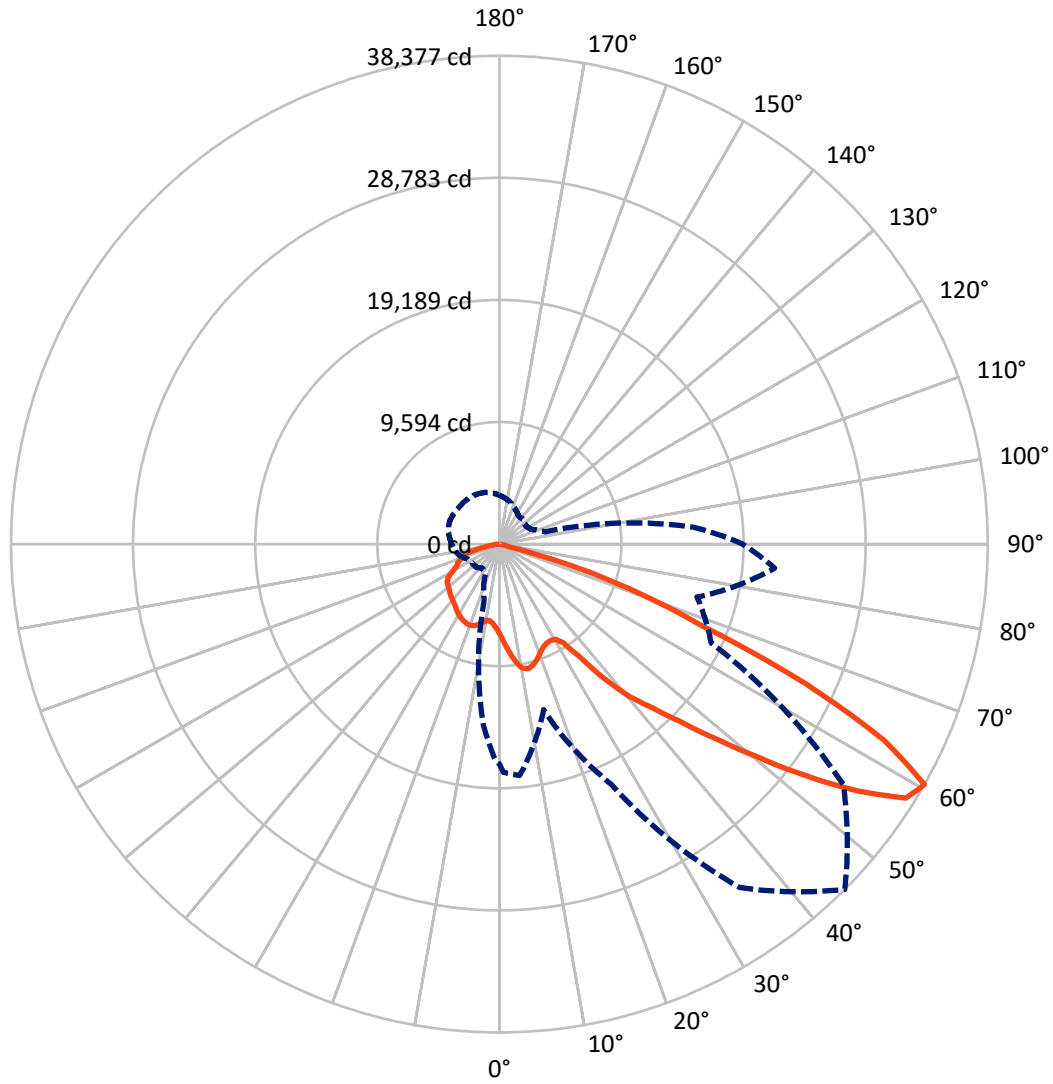
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12108.7	0.0	12108.7
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	22434.8	0.0	22434.8
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	34543.5	0.0	34543.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	692.4	2.0
10°-20°	2187.8	6.3
20°-30°	3553.9	10.3
30°-40°	5012.1	14.5
40°-50°	6926.5	20.1
50°-60°	8916.5	25.8
60°-70°	5649.6	16.4
70°-80°	1449.7	4.2
80°-90°	155.0	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°	34543.5	100.0
0°-180°	34543.5	100.0

**Coefficient of Utilization**



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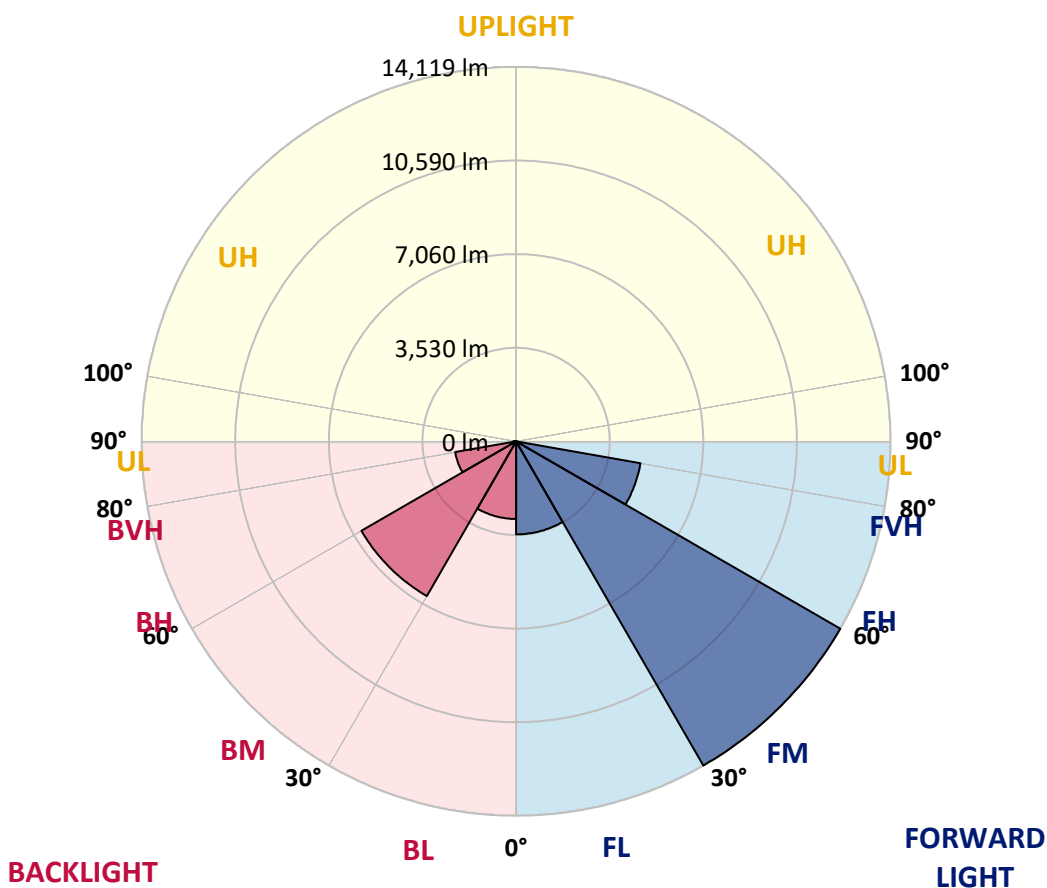
CATALOG NUMBER: GWS-SA6E-735-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3507.5	10.2			
FM (30°-60°)	14119.4	40.9			
FH (60°-80°)	4765.8	13.8			G2/5000
FVH (80°-90°)	42.1	0.1			G1/100
BL (0°-30°)	2926.6	8.5	B4/5000		
BM (30°-60°)	6735.7	19.5	B4/8500		
BH (60°-80°)	2333.5	6.8	B3/2500		G3/2500
BVH (80°-90°)	112.9	0.3			G2/225
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°	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2
2.5°	7422.3	7472.9	7504.6	7564.7	7672.3	7732.4	7798.9	7726.1	7745.1	7735.6	7618.5
5°	7862.2	7922.3	8004.6	8181.9	8381.3	8492.1	8596.5	8580.7	8482.6	8318.0	8200.9
7.5°	8273.7	8343.3	8485.7	8773.8	9068.1	9239.0	9365.7	9283.4	9201.1	8941.5	8647.2
10°	8596.5	8637.7	8830.7	9216.9	9558.7	9751.8	9906.9	9887.9	9774.0	9482.8	9087.1
12.5°	8900.4	8928.9	9137.8	9523.9	9830.9	9916.4	10043.0	10084.1	10046.2	9827.8	9438.5
15°	9226.4	9280.2	9473.3	9767.6	9906.9	9818.3	9862.6	9976.5	10084.1	10084.1	9726.5
17.5°	9530.2	9577.7	9774.0	9900.6	9767.6	9533.4	9546.1	9691.7	9948.0	10217.1	9989.2
20°	9799.3	9843.6	10036.7	9916.4	9495.4	9153.6	9144.1	9321.3	9736.0	10302.5	10270.9
22.5°	10093.6	10156.9	10318.4	9929.0	9242.2	8808.6	8805.4	8989.0	9549.2	10388.0	10593.7
25°	10511.4	10609.6	10691.8	10039.8	9106.1	8583.9	8625.0	8799.1	9489.1	10527.3	11071.7
27.5°	11131.8	11210.9	11204.6	10270.9	9099.8	8492.1	8577.5	8780.1	9596.7	10774.1	11574.9
30°	11802.8	11844.0	11777.5	10593.7	9245.4	8549.0	8675.7	8916.2	9868.9	11182.4	12315.6
32.5°	12546.6	12597.3	12470.7	11078.0	9584.0	8970.0	9248.5	9365.7	10251.9	11771.2	13100.5
35°	13401.2	13499.3	13236.6	11717.4	10581.1	10505.1	10910.2	10758.3	11065.3	12467.5	13939.3
37.5°	14300.1	14303.3	13926.6	12663.7	12537.1	12666.9	13477.2	13002.4	12790.3	13243.0	14793.9
40°	15062.9	15043.9	14464.7	13939.3	14240.0	14755.9	15733.9	15005.9	14448.9	14284.3	15502.9
42.5°	15825.7	15756.1	15170.5	14749.6	15414.2	16474.6	17579.2	16686.6	15512.4	15230.7	16202.4
45°	16800.6	16778.4	16072.6	15072.4	16474.6	18399.0	19864.4	18418.0	16142.2	15781.4	17367.1
47.5°	18373.6	18266.0	16952.5	15047.1	17468.4	20962.7	22814.3	20598.7	16582.2	15794.1	19247.2
50°	19911.9	19779.0	18003.3	15043.9	18493.9	23621.5	26296.0	23248.0	17031.6	15870.0	21159.0
52.5°	21466.0	21466.0	19728.3	15401.6	19570.1	26590.4	30318.9	26549.2	17797.6	16863.9	23510.7
55°	22390.2	22637.1	21668.6	16006.1	20829.8	30084.7	34297.5	30113.2	18981.4	18658.5	25682.0
57.5°	21215.9	21678.1	21538.8	15585.2	21573.6	32651.6	37671.5	32816.2	19566.9	18870.6	25355.9
60°	17288.0	17930.5	18250.2	13458.2	20839.3	32949.1	38377.3	32993.4	18357.8	16069.4	21719.2
62.5°	11492.6	12021.2	12508.6	9615.7	18041.3	29641.6	33943.0	29651.0	15331.9	11992.7	15047.1
65°	5637.1	6029.6	6555.0	5684.6	14094.4	24767.2	26463.7	23960.1	11090.7	6713.3	7675.5
67.5°	1475.0	1585.7	1658.5	2206.1	10096.8	17794.4	17259.5	17525.4	7124.7	2193.4	2006.7
70°	766.0	772.3	769.1	911.6	6824.0	11309.1	11894.6	11005.2	4972.4	917.9	791.3
72.5°	547.6	550.7	541.2	614.0	3294.9	6479.0	6713.3	6640.5	2604.9	544.4	541.2
75°	357.7	360.8	354.5	360.8	496.9	737.5	680.5	715.3	433.6	345.0	345.0
77.5°	212.1	215.2	212.1	218.4	212.1	212.1	196.2	196.2	186.7	186.7	189.9
80°	142.4	142.4	139.3	145.6	132.9	132.9	126.6	123.4	113.9	110.8	110.8
82.5°	85.5	88.6	85.5	85.5	79.1	79.1	72.8	69.6	60.1	60.1	57.0
85°	44.3	44.3	41.1	41.1	34.8	31.7	25.3	25.3	19.0	15.8	15.8
87.5°	6.3	6.3	3.2	3.2	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2
2.5°	7586.8	7523.5	7428.6	7336.8	7251.3	7162.7	7061.4	6957.0	6868.4	6776.6	6729.1
5°	8045.8	7916.0	7669.1	7450.7	7254.5	7093.1	6919.0	6770.2	6631.0	6517.0	6460.1
7.5°	8460.4	8257.9	7884.4	7539.4	7273.5	7051.9	6811.4	6589.8	6403.1	6263.8	6210.0
10°	8843.4	8602.9	8112.3	7675.5	7365.3	7118.4	6824.0	6523.4	6276.5	6092.9	6048.6
12.5°	9153.6	8878.2	8292.7	7786.2	7419.1	7153.2	6893.7	6634.1	6390.4	6153.0	6115.1
15°	9429.0	9102.9	8428.8	7855.9	7400.1	7061.4	6843.0	6811.4	6811.4	6542.3	6466.4
17.5°	9666.3	9308.7	8539.6	7887.5	7279.8	6789.2	6656.3	6931.7	7241.8	7048.8	6877.9
20°	9938.5	9504.9	8631.3	7887.5	7058.3	6444.2	6431.6	6900.0	7359.0	7362.1	7181.7
22.5°	10213.9	9732.8	8739.0	7859.0	6754.4	6045.4	6279.6	6773.4	7181.7	7355.8	7232.3
25°	10660.2	10049.3	8909.9	7836.9	6399.9	5773.2	6143.5	6605.7	6950.7	7134.2	7055.1
27.5°	11226.8	10467.1	9169.4	7871.7	6048.6	5611.8	5997.9	6387.3	6700.6	6862.0	6805.1
30°	11859.8	10948.2	9447.9	7931.8	5795.4	5529.5	5823.9	6137.2	6415.7	6577.2	6551.8
32.5°	12666.9	11470.5	9688.5	7849.6	5652.9	5488.4	5640.3	5865.0	6134.0	6235.3	6257.5
35°	13632.3	12046.5	9872.1	7526.7	5523.2	5444.0	5440.9	5580.1	5770.1	5931.5	5947.3
37.5°	14521.7	12720.7	10074.6	6972.8	5289.0	5333.3	5206.7	5289.0	5475.7	5637.1	5700.4
40°	15401.6	13404.4	10356.3	6267.0	4981.9	5086.4	4937.6	4994.6	5143.4	5355.4	5456.7
42.5°	16256.2	14021.6	10653.9	5545.3	4674.9	4741.4	4630.6	4687.6	4842.7	5108.5	5222.5
45°	17186.7	14857.2	10884.9	4864.8	4409.0	4380.6	4291.9	4374.2	4608.4	4899.6	5035.7
47.5°	18946.5	16173.9	11036.8	4412.2	4266.6	4060.9	3959.6	4136.8	4402.7	4697.1	4861.7
50°	21095.7	18079.3	10992.5	4124.2	4143.2	3731.7	3696.9	3931.1	4216.0	4523.0	4703.4
52.5°	22798.5	19949.9	10489.3	3848.8	3902.6	3522.8	3421.5	3763.4	4035.6	4348.9	4535.6
55°	24099.4	20579.8	8944.7	3522.8	3510.1	3370.9	3158.8	3589.3	3855.1	4146.3	4348.9
57.5°	23039.1	19177.6	6631.0	3073.4	2997.4	3070.2	2864.5	3294.9	3633.6	3921.6	4102.0
60°	19120.6	15290.8	3693.7	2722.0	2506.8	2684.0	2652.4	2984.7	3393.0	3696.9	3852.0
62.5°	12980.2	10182.3	2190.3	2152.3	2032.0	2285.2	2453.0	2671.4	3073.4	3320.2	3465.8
65°	6469.5	4947.1	1456.0	1611.1	1626.9	1880.1	2196.6	2437.2	2772.7	3025.9	3171.5
67.5°	1876.9	1538.3	1107.8	1231.2	1402.2	1604.7	1857.9	2142.8	2468.8	2769.5	2940.4
70°	810.3	819.8	879.9	1025.5	1193.3	1402.2	1655.4	1933.9	2209.3	2440.3	2570.1
72.5°	572.9	595.0	661.5	810.3	968.5	1167.9	1421.1	1690.2	1889.6	2123.8	2259.9
75°	367.2	383.0	436.8	550.7	667.8	860.9	1101.5	1348.4	1554.1	1721.8	1851.6
77.5°	202.6	205.7	250.0	316.5	395.6	519.1	696.3	889.4	1041.3	1136.3	1253.4
80°	117.1	117.1	139.3	180.4	227.9	303.9	402.0	496.9	588.7	648.9	705.8
82.5°	63.3	63.3	72.8	98.1	123.4	167.8	224.7	272.2	329.2	360.8	398.8
85°	19.0	19.0	25.3	34.8	44.3	63.3	88.6	113.9	139.3	161.4	183.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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°	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2
2.5°	6719.6	6675.3	6650.0	6618.3	6627.8	6599.3	6583.5	6593.0	6536.0	6593.0	6650.0
5°	6437.9	6374.6	6324.0	6282.8	6263.8	6225.8	6203.7	6203.7	6168.9	6225.8	6295.5
7.5°	6191.0	6140.4	6115.1	6089.7	6061.2	6026.4	5988.4	5975.8	5953.6	6013.8	6073.9
10°	6026.4	6032.8	6048.6	6083.4	6077.1	6054.9	5997.9	5966.3	5966.3	6035.9	6127.7
12.5°	6102.4	6168.9	6206.8	6270.1	6282.8	6263.8	6206.8	6181.5	6244.8	6349.3	6501.2
15°	6396.8	6441.1	6472.7	6523.4	6520.2	6504.4	6460.1	6479.0	6687.9	6890.5	7026.6
17.5°	6716.4	6665.8	6659.5	6691.1	6700.6	6681.6	6656.3	6741.8	7086.8	7276.7	7346.3
20°	6947.5	6773.4	6735.4	6748.1	6773.4	6763.9	6763.9	6903.2	7260.8	7349.5	7260.8
22.5°	7017.1	6770.2	6713.3	6716.4	6751.2	6754.4	6770.2	6915.8	7124.7	7127.9	6991.8
25°	6906.3	6669.0	6627.8	6634.1	6675.3	6672.1	6678.4	6760.7	6852.5	6814.5	6713.3
27.5°	6697.4	6491.7	6479.0	6513.9	6567.7	6539.2	6520.2	6542.3	6586.7	6539.2	6450.6
30°	6460.1	6286.0	6292.3	6358.8	6415.7	6368.3	6320.8	6333.4	6336.6	6286.0	6184.7
32.5°	6210.0	6080.2	6102.4	6172.0	6238.5	6187.9	6137.2	6130.9	6070.7	6010.6	5912.5
35°	5960.0	5909.3	5937.8	5994.8	6051.8	6010.6	5979.0	5960.0	5830.2	5741.6	5659.3
37.5°	5732.1	5770.1	5820.7	5855.5	5874.5	5871.3	5852.3	5808.0	5637.1	5532.7	5425.1
40°	5529.5	5646.6	5700.4	5716.2	5744.7	5738.4	5735.2	5671.9	5447.2	5336.4	5213.0
42.5°	5345.9	5510.5	5602.3	5618.1	5634.0	5637.1	5627.6	5535.8	5279.5	5149.7	5032.6
45°	5168.7	5383.9	5501.0	5485.2	5507.3	5507.3	5516.8	5396.6	5114.9	4981.9	4858.5
47.5°	5013.6	5266.8	5374.4	5355.4	5368.1	5377.6	5387.1	5247.8	4934.5	4807.9	4681.2
50°	4871.2	5140.2	5232.0	5238.3	5238.3	5260.5	5257.3	5121.2	4782.5	4646.4	4519.8
52.5°	4719.2	5010.4	5108.5	5149.7	5162.3	5171.8	5127.5	4969.3	4627.4	4462.8	4345.7
55°	4542.0	4877.5	4966.1	5019.9	5045.2	5038.9	4978.8	4817.3	4469.2	4304.6	4171.7
57.5°	4272.9	4592.6	4719.2	4744.5	4785.7	4760.4	4690.7	4554.6	4216.0	4051.4	3915.3
60°	3978.6	4209.6	4310.9	4333.1	4301.4	4310.9	4301.4	4171.7	3877.3	3747.5	3608.3
62.5°	3592.4	3798.2	3905.8	3934.3	3880.5	3915.3	3902.6	3741.2	3446.8	3310.7	3187.3
65°	3301.2	3526.0	3652.6	3668.4	3652.6	3668.4	3624.1	3427.8	3149.3	3010.0	2883.4
67.5°	3073.4	3304.4	3437.3	3481.7	3465.8	3462.7	3393.0	3165.1	2877.1	2725.2	2563.8
70°	2680.9	2883.4	3054.4	3162.0	3162.0	3101.8	2968.9	2756.8	2525.8	2396.0	2269.4
72.5°	2373.9	2630.2	2798.0	2908.8	2930.9	2896.1	2709.4	2484.6	2218.8	2089.0	1956.1
75°	1956.1	2206.1	2386.5	2532.1	2560.6	2522.6	2307.4	2085.8	1838.9	1712.3	1579.4
77.5°	1307.2	1456.0	1601.6	1734.5	1706.0	1731.3	1585.7	1418.0	1266.1	1171.1	1111.0
80°	737.5	835.6	879.9	952.7	952.7	952.7	857.8	778.6	693.2	639.4	579.2
82.5°	417.8	481.1	500.1	560.2	576.1	579.2	515.9	465.3	411.5	383.0	341.8
85°	193.1	227.9	231.1	265.9	278.5	303.9	275.4	240.6	208.9	196.2	170.9
87.5°	6.3	19.0	25.3	47.5	63.3	72.8	79.1	79.1	66.5	60.1	50.6
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°	359°	360°
0°	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2	7096.2
2.5°	6719.6	6795.6	6884.2	6947.5	7061.4	7156.4	7254.5	7362.1	7441.2	7422.3
5°	6380.9	6507.5	6669.0	6817.7	7029.8	7245.0	7482.4	7726.1	7868.5	7862.2
7.5°	6191.0	6371.4	6567.7	6767.1	7017.1	7327.3	7691.3	8071.1	8264.2	8273.7
10°	6292.3	6485.4	6618.3	6786.1	7048.8	7438.1	7874.9	8330.7	8552.2	8596.5
12.5°	6612.0	6596.2	6586.7	6706.9	7023.4	7517.2	8052.1	8596.5	8846.6	8900.4
15°	6915.8	6589.8	6393.6	6475.9	6909.5	7567.9	8226.2	8887.7	9169.4	9226.4
17.5°	6972.8	6479.0	6115.1	6172.0	6729.1	7583.7	8394.0	9172.6	9476.4	9530.2
20°	6814.5	6336.6	5912.5	5833.4	6501.2	7542.5	8498.4	9410.0	9742.3	9799.3
22.5°	6615.1	6210.0	5760.6	5554.8	6222.7	7501.4	8615.5	9660.0	10043.0	10093.6
25°	6406.2	6048.6	5618.1	5304.8	5906.2	7476.1	8811.8	9989.2	10451.3	10511.4
27.5°	6184.7	5852.3	5494.7	5184.5	5615.0	7507.7	9090.3	10520.9	11046.3	11131.8
30°	5947.3	5656.1	5415.6	5143.4	5415.6	7536.2	9397.3	11065.3	11682.5	11802.8
32.5°	5700.4	5475.7	5333.3	5162.3	5292.1	7469.7	9666.3	11676.2	12442.2	12546.6
35°	5453.5	5292.1	5228.8	5197.2	5127.5	7226.0	9884.7	12293.4	13309.4	13401.2
37.5°	5222.5	5102.2	5083.2	5118.0	4874.3	6827.2	10137.9	13078.4	14160.8	14300.1
40°	5007.3	4896.5	4893.3	4887.0	4595.8	6282.8	10479.8	13876.0	14999.6	15062.9
42.5°	4807.9	4668.6	4693.9	4617.9	4367.9	5694.1	10802.6	14556.5	15781.4	15825.7
45°	4630.6	4447.0	4475.5	4380.6	4260.3	5076.9	11087.5	15360.4	16772.1	16800.6
47.5°	4459.7	4263.4	4184.3	4178.0	4241.3	4507.2	11366.0	16908.2	18323.0	18373.6
50°	4301.4	4089.4	3864.6	4003.9	4124.2	4079.9	11714.2	18566.7	19924.6	19911.9
52.5°	4149.5	3871.0	3551.3	3820.3	3820.3	3763.4	11616.1	19573.2	21247.6	21466.0
55°	3975.4	3519.6	3225.3	3513.3	3374.0	3478.5	9878.4	19902.4	22080.0	22390.2
57.5°	3630.4	3086.0	2829.6	2984.7	2775.8	3225.3	7096.2	18269.2	20665.2	21215.9
60°	3298.1	2766.3	2598.6	2570.1	2297.9	2630.2	4599.0	14303.3	17009.5	17288.0
62.5°	2908.8	2491.0	2348.5	2130.1	1848.4	1914.9	2785.3	9413.1	11429.3	11492.6
65°	2614.4	2256.7	1984.5	1725.0	1512.9	1389.5	1645.9	4538.8	5713.1	5637.1
67.5°	2244.1	1933.9	1674.4	1487.6	1313.5	1158.4	1095.1	1348.4	1525.6	1475.0
70°	1997.2	1699.7	1449.6	1272.4	1111.0	955.9	845.1	794.5	778.6	766.0
72.5°	1721.8	1462.3	1202.8	1031.8	879.9	737.5	636.2	576.1	560.2	547.6
75°	1373.7	1130.0	892.6	731.1	598.2	496.9	430.5	379.8	370.3	357.7
77.5°	908.4	724.8	531.7	433.6	354.5	300.7	256.4	224.7	218.4	212.1
80°	500.1	417.8	326.0	262.7	212.1	183.6	167.8	148.8	145.6	142.4
82.5°	297.5	250.0	186.7	148.8	123.4	110.8	101.3	91.8	88.6	85.5
85°	148.8	117.1	82.3	69.6	63.3	57.0	57.0	47.5	44.3	44.3
87.5°	38.0	31.7	19.0	15.8	15.8	15.8	12.7	9.5	9.5	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)