

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: P643652

Luminaire Tested: GWS-SA6F-735-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643652
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-SAGF-735-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46007.1 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

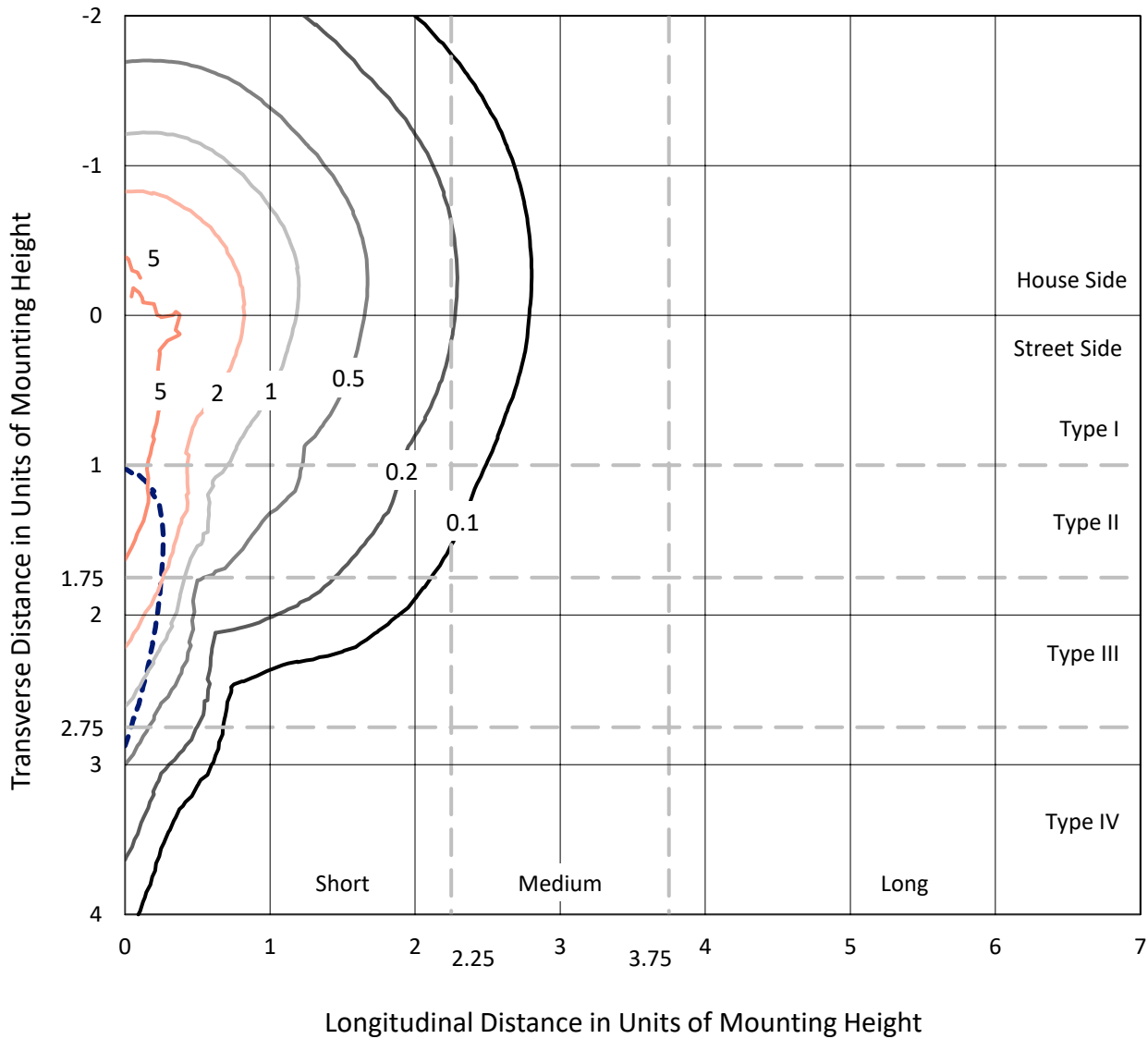
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

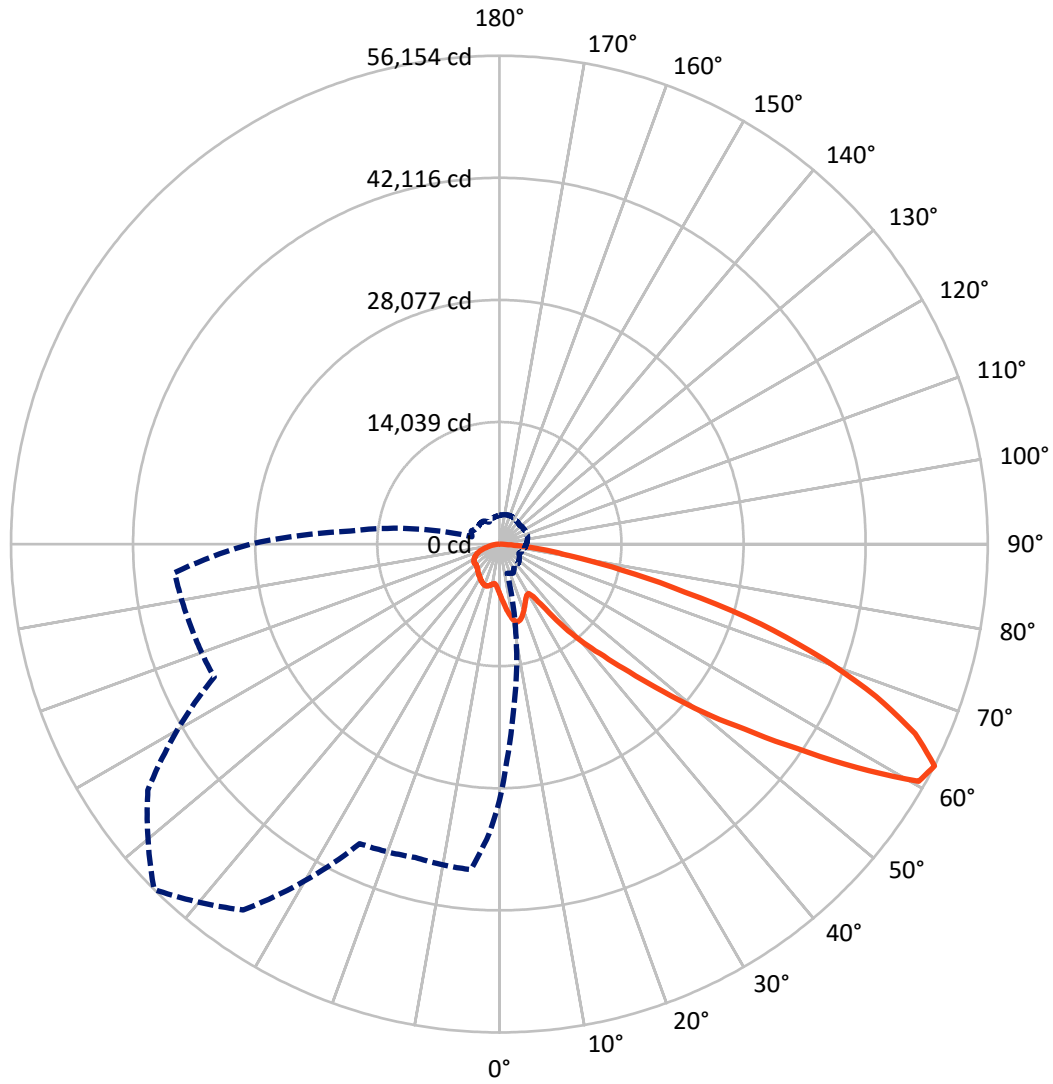
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.5 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
House Side	Lumens	11000.3	0.0	11000.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	35006.8	0.0	35006.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	46007.1	0.0	46007.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.1	1.2
10°-20°	1836.6	4.0
20°-30°	2891.1	6.3
30°-40°	3962.9	8.6
40°-50°	6183.3	13.4
50°-60°	10661.3	23.2
60°-70°	12355.1	26.9
70°-80°	6521.6	14.2
80°-90°	1030.2	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°	46007.1	100.0
0°-180°	46007.1	100.0

Coefficient of Utilization



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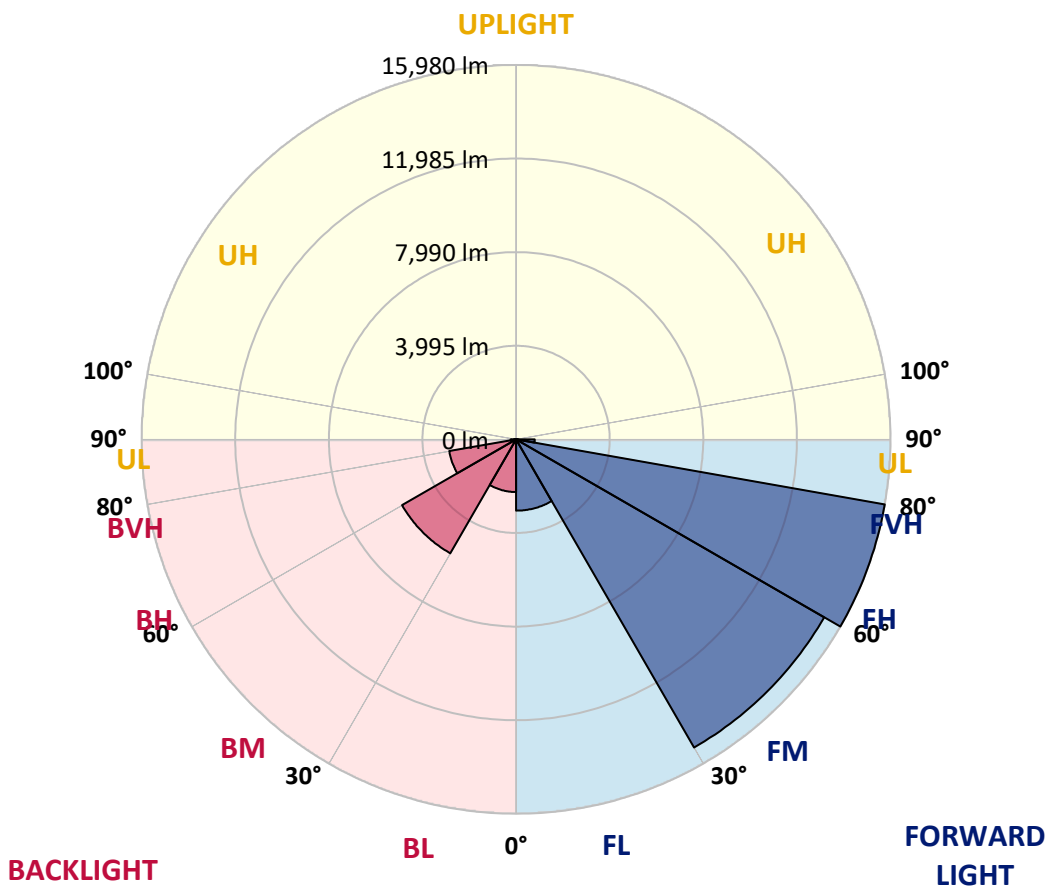
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3042.8	6.6			
FM (30°-60°)	15188.6	33.0			
FH (60°-80°)	15980.2	34.7			G5
FVH (80°-90°)	795.2	1.7			G5
BL (0°-30°)	2250.0	4.9	B3/2500		
BM (30°-60°)	5618.9	12.2	B4/8500		
BH (60°-80°)	2896.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	235.0	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°	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1
2.5°	6232.3	6207.7	6172.5	6052.9	5979.0	5894.5	5806.5	5704.5	5588.3	5507.4	5426.5
5°	6760.2	6721.5	6637.0	6352.0	6154.9	5940.2	5760.8	5556.7	5356.1	5218.8	5081.6
7.5°	7266.9	7217.7	7087.5	6651.1	6330.9	6021.2	5750.2	5454.6	5155.5	4951.4	4789.5
10°	7773.7	7671.6	7506.2	6936.1	6513.9	6154.9	5845.2	5482.8	5085.1	4807.1	4634.7
12.5°	8160.8	8065.8	7886.3	7196.6	6696.8	6246.4	5898.0	5563.7	5225.9	4930.3	4754.3
15°	8523.3	8400.1	8196.0	7439.4	6848.2	6242.9	5792.4	5500.4	5451.1	5377.2	5148.4
17.5°	8783.7	8671.1	8459.9	7636.4	6932.6	6133.8	5500.4	5327.9	5549.6	5774.8	5556.7
20°	9012.4	8882.2	8667.5	7773.7	6950.2	5891.0	5144.9	5148.4	5496.8	5806.5	5753.7
22.5°	9206.0	9061.7	8871.7	7928.5	6943.2	5553.1	4835.2	5046.4	5394.8	5637.6	5644.6
25°	9445.3	9325.6	9167.3	8157.3	6943.2	5208.3	4610.0	4923.2	5222.3	5426.5	5419.4
27.5°	9737.3	9656.4	9526.2	8505.7	7006.5	4919.7	4483.3	4764.9	5000.6	5176.6	5173.1
30°	10064.6	9990.7	9892.2	8875.2	7115.6	4705.0	4413.0	4567.8	4740.2	4881.0	4881.0
32.5°	10398.9	10370.8	10265.2	9170.8	7031.2	4638.2	4353.1	4370.7	4462.2	4578.3	4567.8
35°	10863.5	10835.3	10701.6	9399.5	6665.2	4543.2	4258.1	4170.1	4180.7	4254.6	4279.2
37.5°	11542.6	11500.4	11303.3	9667.0	6112.7	4303.9	4103.3	3959.0	3927.3	3959.0	4004.7
40°	12362.6	12299.3	12031.8	10029.4	5475.7	3980.1	3860.5	3740.8	3688.0	3698.6	3751.4
42.5°	13390.2	13256.4	12872.9	10413.0	4845.8	3695.1	3589.5	3515.6	3455.8	3448.7	3550.8
45°	15058.2	14692.2	14083.4	10754.4	4314.4	3543.7	3346.7	3293.9	3244.6	3272.8	3392.4
47.5°	17972.0	17296.4	16110.4	11046.5	3990.7	3547.3	3153.1	3096.8	3093.3	3149.6	3283.3
50°	21976.8	21002.0	19172.1	11243.5	3821.7	3589.5	3037.0	2945.5	3012.3	3068.7	3195.3
52.5°	25812.6	24324.0	22145.7	11240.0	3747.8	3596.5	3068.7	2804.7	3012.3	3026.4	3146.1
55°	29088.9	26393.2	22948.1	10085.7	3642.3	3568.4	3191.8	2695.6	2973.6	3026.4	3121.4
57.5°	31693.0	27709.4	22888.2	8146.7	3962.5	3413.5	3265.7	2671.0	2861.0	3033.5	3142.6
60°	31404.4	27107.6	21413.7	5000.6	3930.8	3139.0	3255.2	2716.7	2671.0	2938.4	3117.9
62.5°	29486.5	24950.4	18876.5	3469.8	3691.5	2980.7	3082.7	2797.7	2495.0	2801.2	2998.3
65°	26801.5	22166.8	15730.4	2660.4	3058.1	2987.7	2790.6	2741.4	2340.2	2583.0	2794.2
67.5°	23250.7	18714.6	12418.9	2107.9	2132.6	2586.5	2533.8	2435.2	2195.9	2389.5	2579.5
70°	17479.4	13657.6	8544.4	1696.2	1615.3	2160.7	2276.9	2188.9	2055.2	2111.5	2312.0
72.5°	12316.8	8917.4	4680.4	1344.3	1245.8	1661.0	1977.7	1963.7	1815.9	1858.1	2055.2
75°	9153.2	6309.7	2924.4	1062.8	1013.5	1189.5	1657.5	1699.7	1576.6	1625.8	1777.1
77.5°	6091.6	4085.7	1625.8	788.3	788.3	869.2	1235.2	1432.3	1340.8	1379.5	1485.1
80°	3360.7	2079.8	812.9	517.3	531.4	598.2	900.9	1031.1	1034.6	1129.6	1157.8
82.5°	1062.8	661.6	362.5	302.6	285.0	341.4	580.7	739.0	689.7	879.8	809.4
85°	242.8	154.8	66.9	66.9	73.9	112.6	221.7	394.1	503.2	605.3	439.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	154.8	228.7	204.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1
2.5°	5377.2	5306.8	5285.7	5225.9	5218.8	5162.5	5141.4	5141.4	5166.0	5166.0	5190.7
5°	5025.3	4937.3	4888.0	4817.6	4800.1	4757.8	4729.7	4733.2	4764.9	4786.0	4828.2
7.5°	4715.6	4655.8	4620.6	4588.9	4581.9	4574.8	4543.2	4539.6	4550.2	4581.9	4613.5
10°	4585.4	4543.2	4553.7	4578.3	4617.1	4638.2	4610.0	4595.9	4585.4	4606.5	4634.7
12.5°	4712.1	4669.8	4691.0	4733.2	4786.0	4807.1	4796.5	4793.0	4803.6	4884.5	4944.3
15°	4990.1	4909.1	4881.0	4898.6	4940.8	4961.9	4951.4	4965.4	5032.3	5243.5	5394.8
17.5°	5335.0	5137.9	5025.3	4993.6	5011.2	5028.8	5028.8	5064.0	5180.1	5489.8	5679.8
20°	5521.5	5264.6	5074.5	4997.1	5004.2	5021.8	5021.8	5071.0	5201.2	5532.0	5655.2
22.5°	5472.2	5236.4	5004.2	4919.7	4923.2	4937.3	4937.3	4979.5	5095.7	5387.7	5444.0
25°	5278.6	5071.0	4842.3	4768.4	4775.4	4800.1	4793.0	4817.6	4905.6	5144.9	5176.6
27.5°	5046.4	4863.4	4638.2	4581.9	4613.5	4662.8	4620.6	4624.1	4705.0	4905.6	4909.1
30°	4796.5	4645.2	4444.6	4402.4	4462.2	4486.9	4448.1	4448.1	4529.1	4666.3	4662.8
32.5°	4525.6	4430.5	4286.3	4240.5	4307.4	4346.1	4296.8	4303.9	4367.2	4458.7	4423.5
35°	4272.2	4222.9	4156.1	4124.4	4166.6	4201.8	4170.1	4184.2	4244.0	4268.7	4219.4
37.5°	4029.4	4022.3	4029.4	4029.4	4039.9	4050.5	4029.4	4064.6	4117.3	4085.7	4029.4
40°	3818.2	3846.4	3913.2	3895.6	3885.1	3895.6	3881.6	3941.4	3994.2	3937.9	3871.0
42.5°	3642.3	3695.1	3797.1	3797.1	3776.0	3783.0	3776.0	3849.9	3888.6	3811.2	3737.3
45°	3490.9	3568.4	3698.6	3716.2	3681.0	3681.0	3695.1	3786.6	3800.6	3695.1	3617.6
47.5°	3385.4	3480.4	3628.2	3659.9	3607.1	3603.6	3642.3	3740.8	3740.8	3617.6	3529.7
50°	3311.5	3417.0	3593.0	3635.2	3582.4	3568.4	3631.7	3726.7	3705.6	3557.8	3469.8
52.5°	3262.2	3371.3	3589.5	3649.3	3614.1	3600.0	3663.4	3730.2	3677.5	3519.1	3427.6
55°	3230.5	3350.2	3600.0	3649.3	3610.6	3586.0	3649.3	3709.1	3681.0	3498.0	3410.0
57.5°	3248.1	3367.8	3586.0	3610.6	3564.8	3522.6	3596.5	3681.0	3670.4	3505.0	3417.0
60°	3220.0	3329.1	3508.5	3515.6	3438.2	3371.3	3480.4	3607.1	3607.1	3480.4	3403.0
62.5°	3089.8	3198.9	3357.2	3364.3	3276.3	3202.4	3329.1	3480.4	3476.9	3374.8	3293.9
65°	2875.1	2977.2	3156.6	3174.2	3086.3	3008.8	3139.0	3279.8	3290.4	3198.9	3128.5
67.5°	2639.3	2730.8	2864.5	2934.9	2861.0	2780.1	2899.7	3033.5	3029.9	2920.9	2847.0
70°	2357.8	2442.3	2565.4	2625.2	2579.5	2502.1	2611.2	2681.6	2649.9	2597.1	2547.8
72.5°	2079.8	2160.7	2276.9	2276.9	2227.6	2153.7	2185.4	2312.0	2350.8	2312.0	2280.4
75°	1787.7	1858.1	1939.0	1956.6	1847.5	1713.8	1861.6	1970.7	2016.4	1998.8	1960.1
77.5°	1488.6	1541.4	1661.0	1629.3	1425.2	1354.9	1474.5	1636.4	1668.1	1657.5	1604.7
80°	1147.2	1178.9	1305.6	1242.2	1083.9	1038.1	1090.9	1217.6	1224.6	1189.5	1122.6
82.5°	770.7	812.9	897.4	774.2	770.7	728.5	686.2	700.3	763.6	756.6	710.9
85°	394.1	415.3	496.2	464.5	397.7	344.9	327.3	348.4	313.2	285.0	246.3
87.5°	165.4	179.5	246.3	137.2	42.2	0.0	0.0	21.1	31.7	45.7	49.3
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°	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1
2.5°	5247.0	5285.7	5380.7	5500.4	5616.5	5736.1	5866.3	5947.3	6045.8	6172.5	6176.0
5°	4881.0	4969.0	5106.2	5289.2	5479.2	5697.4	5950.8	6161.9	6415.3	6615.9	6696.8
7.5°	4655.8	4782.5	4954.9	5187.2	5437.0	5708.0	6038.8	6394.2	6809.5	7076.9	7235.3
10°	4676.9	4870.4	5042.9	5239.9	5465.2	5757.2	6183.1	6654.6	7164.9	7516.8	7713.9
12.5°	5053.4	5257.5	5225.9	5215.3	5366.6	5722.1	6299.2	6918.6	7541.4	7893.3	8129.1
15°	5528.5	5605.9	5306.8	5081.6	5173.1	5595.4	6362.5	7154.3	7854.6	8284.0	8516.2
17.5°	5771.3	5616.5	5254.0	4916.2	4891.5	5401.8	6394.2	7393.6	8206.5	8635.9	8882.2
20°	5658.7	5433.5	5127.3	4807.1	4631.1	5137.9	6376.6	7583.7	8526.8	9005.4	9206.0
22.5°	5415.9	5218.8	4979.5	4673.4	4420.0	4849.3	6330.9	7773.7	8811.8	9293.9	9469.9
25°	5152.0	5004.2	4807.1	4539.6	4300.3	4595.9	6299.2	8027.1	9139.1	9600.1	9712.7
27.5°	4888.0	4778.9	4617.1	4409.4	4272.2	4420.0	6309.7	8357.9	9561.4	9997.8	9952.0
30°	4627.6	4532.6	4420.0	4328.5	4268.7	4377.8	6281.6	8709.8	10025.9	10430.6	10159.6
32.5°	4381.3	4293.3	4222.9	4237.0	4272.2	4395.4	6137.3	9030.0	10451.7	10796.6	10384.9
35°	4170.1	4078.6	4078.6	4127.9	4258.1	4335.5	5764.3	9279.9	10923.3	11268.2	10705.1
37.5°	3973.1	3892.1	3944.9	4025.9	4149.0	4173.7	5285.7	9522.7	11609.5	11933.3	11201.3
40°	3800.6	3719.7	3814.7	3916.8	3980.1	3969.5	4800.1	9860.5	12418.9	12753.2	11859.4
42.5°	3663.4	3589.5	3673.9	3804.1	3814.7	3825.3	4444.6	10184.3	13358.5	13784.3	12992.5
45°	3550.8	3498.0	3540.2	3670.4	3670.4	3832.3	4222.9	10455.2	14773.2	15526.3	15072.3
47.5°	3462.8	3431.1	3452.2	3494.5	3564.8	3959.0	4082.2	10662.9	17349.2	18827.2	18369.7
50°	3413.5	3381.9	3410.0	3322.0	3533.2	4022.3	4036.4	10821.2	20745.1	23060.7	22494.1
52.5°	3371.3	3360.7	3378.3	3174.2	3603.6	3980.1	4001.2	10610.1	23022.0	27227.3	27786.8
55°	3357.2	3364.3	3279.8	3065.1	3688.0	3839.3	3895.6	9100.4	23641.3	30820.3	34293.6
57.5°	3364.3	3343.1	3128.5	3075.7	3691.5	3557.8	4047.0	6492.7	22740.4	32382.8	40659.7
60°	3339.6	3234.1	2945.5	3170.7	3529.7	3227.0	3937.9	4233.5	20365.0	31182.7	41029.2
62.5°	3230.5	3075.7	2787.1	3223.5	3241.1	3029.9	3575.4	3262.2	17197.8	28613.8	37467.9
65°	3072.2	2864.5	2653.4	3114.4	2949.0	2938.4	2688.6	2614.7	13830.1	25555.7	34089.5
67.5°	2811.8	2604.1	2554.9	2864.5	2653.4	2604.1	2160.7	2167.8	11035.9	22297.0	30693.6
70°	2516.2	2308.5	2347.2	2590.1	2361.3	2164.2	1749.0	1805.3	8371.9	18577.3	26115.2
72.5°	2322.6	2044.6	2048.1	2280.4	2076.3	1752.5	1439.3	1488.6	5313.8	14002.5	20762.7
75°	1960.1	1801.8	1724.4	1847.5	1763.1	1365.4	1210.6	1200.0	3149.6	10036.5	15547.4
77.5°	1636.4	1513.2	1474.5	1523.8	1316.1	1010.0	974.8	957.2	1784.2	6429.4	10187.8
80°	1185.9	1154.3	1150.7	1175.4	1013.5	742.5	742.5	746.0	960.7	3490.9	5743.2
82.5°	753.1	823.5	728.5	809.4	689.7	527.9	492.7	559.5	552.5	1488.6	2421.1
85°	313.2	429.3	401.2	425.8	327.3	288.6	309.7	334.3	320.2	573.6	943.1
87.5°	59.8	70.4	77.4	73.9	73.9	91.5	102.1	123.2	123.2	165.4	285.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1
2.5°	6309.7	6411.8	6390.7	6436.4	6376.6	6397.7	6278.1	6246.4	6225.3	6232.3
5°	6957.3	7164.9	7203.6	7281.0	7228.2	7228.2	7017.1	6858.7	6802.4	6760.2
7.5°	7615.3	7914.5	8111.5	8132.6	8104.5	8048.2	7742.0	7457.0	7354.9	7266.9
10°	8199.5	8558.5	8780.2	8885.7	8832.9	8745.0	8364.9	7974.3	7851.1	7773.7
12.5°	8646.4	8963.1	9110.9	9181.3	9174.3	9142.6	8832.9	8410.6	8280.4	8160.8
15°	8935.0	9093.4	9037.0	9033.5	9082.8	9209.5	9114.5	8783.7	8632.4	8523.3
17.5°	9121.5	8970.2	8720.3	8604.2	8709.8	9008.9	9227.1	9040.6	8903.3	8783.7
20°	9188.4	8649.9	8287.5	8072.8	8196.0	8628.8	9167.3	9227.1	9110.9	9012.4
22.5°	9110.9	8259.3	7766.7	7513.3	7632.9	8150.2	8991.3	9378.4	9301.0	9206.0
25°	8920.9	7851.1	7259.9	7031.2	7161.4	7689.2	8678.1	9519.2	9522.7	9445.3
27.5°	8685.1	7474.6	6904.5	6689.8	6816.5	7309.2	8371.9	9642.3	9765.5	9737.3
30°	8445.8	7249.3	6735.6	6584.2	6679.3	7115.6	8058.7	9769.0	10015.4	10064.6
32.5°	8336.7	7358.4	7133.2	7200.1	7076.9	7228.2	7946.1	9948.5	10318.0	10398.9
35°	8481.0	8326.2	8896.3	9160.2	8723.8	8150.2	8090.4	10219.5	10743.8	10863.5
37.5°	9181.3	10398.9	11250.6	12179.6	11423.0	10159.6	8804.8	10680.5	11352.6	11542.6
40°	10705.1	12207.8	13745.6	14945.6	13801.9	12102.2	10163.2	11366.7	12190.2	12362.6
42.5°	12140.9	13904.0	16022.5	17574.4	16089.3	13689.3	11627.1	12521.0	13295.2	13390.2
45°	13548.5	15568.5	18777.9	20935.1	18918.7	15199.0	13122.7	14470.5	15054.7	15058.2
47.5°	15199.0	17444.2	22233.7	25305.8	22673.6	16870.6	14526.8	17556.8	18369.7	17972.0
50°	17173.2	19309.3	25791.5	30390.9	27251.9	18925.7	16311.0	21318.7	22427.2	21976.8
52.5°	19816.1	21364.5	29711.8	35349.4	32242.0	21265.9	18897.6	26287.7	26653.7	25812.6
55°	23535.7	24331.1	34744.1	41472.6	37812.7	24148.1	22680.6	32523.5	31499.5	29088.9
57.5°	32006.2	29025.5	41205.1	48458.0	44115.4	29384.5	30971.6	39399.8	35757.6	31693.0
60°	39093.7	34726.5	47184.1	55390.6	49517.3	35155.8	38755.8	40596.3	35599.2	31404.4
62.5°	36704.2	36179.9	49341.3	56154.3	51361.3	37995.7	37309.5	37580.5	33276.6	29486.5
65°	32203.3	33375.1	47416.4	52533.1	49316.7	35451.4	33748.2	34793.3	30619.7	26801.5
67.5°	29546.4	30408.5	43992.3	46737.2	45600.5	32699.5	30978.6	30222.0	26495.3	23250.7
70°	26829.6	27544.0	39185.2	39463.2	39804.5	28124.6	25330.5	23078.3	19749.2	17479.4
72.5°	23183.8	23222.5	33107.7	31495.9	32143.5	22008.5	20389.7	17254.1	14375.5	12316.8
75°	19450.1	18387.3	26206.7	22015.5	23314.0	17120.4	16930.4	13003.1	10842.3	9153.2
77.5°	14829.5	13587.2	19143.9	14477.6	16374.4	11401.9	12728.6	8818.9	7629.4	6091.6
80°	9955.5	9181.3	10578.4	8171.3	10712.1	7858.1	8301.6	4997.1	4332.0	3360.7
82.5°	5250.5	4483.3	6538.5	4845.8	6461.1	4317.9	3114.4	1544.9	1316.1	1062.8
85°	2034.0	2354.3	3205.9	1724.4	2505.6	1541.4	900.9	383.6	320.2	242.8
87.5°	394.1	608.8	334.3	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)