

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: P643157

Luminaire Tested: GWS-SA6E-735-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643157
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-SAGE-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: 41380 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

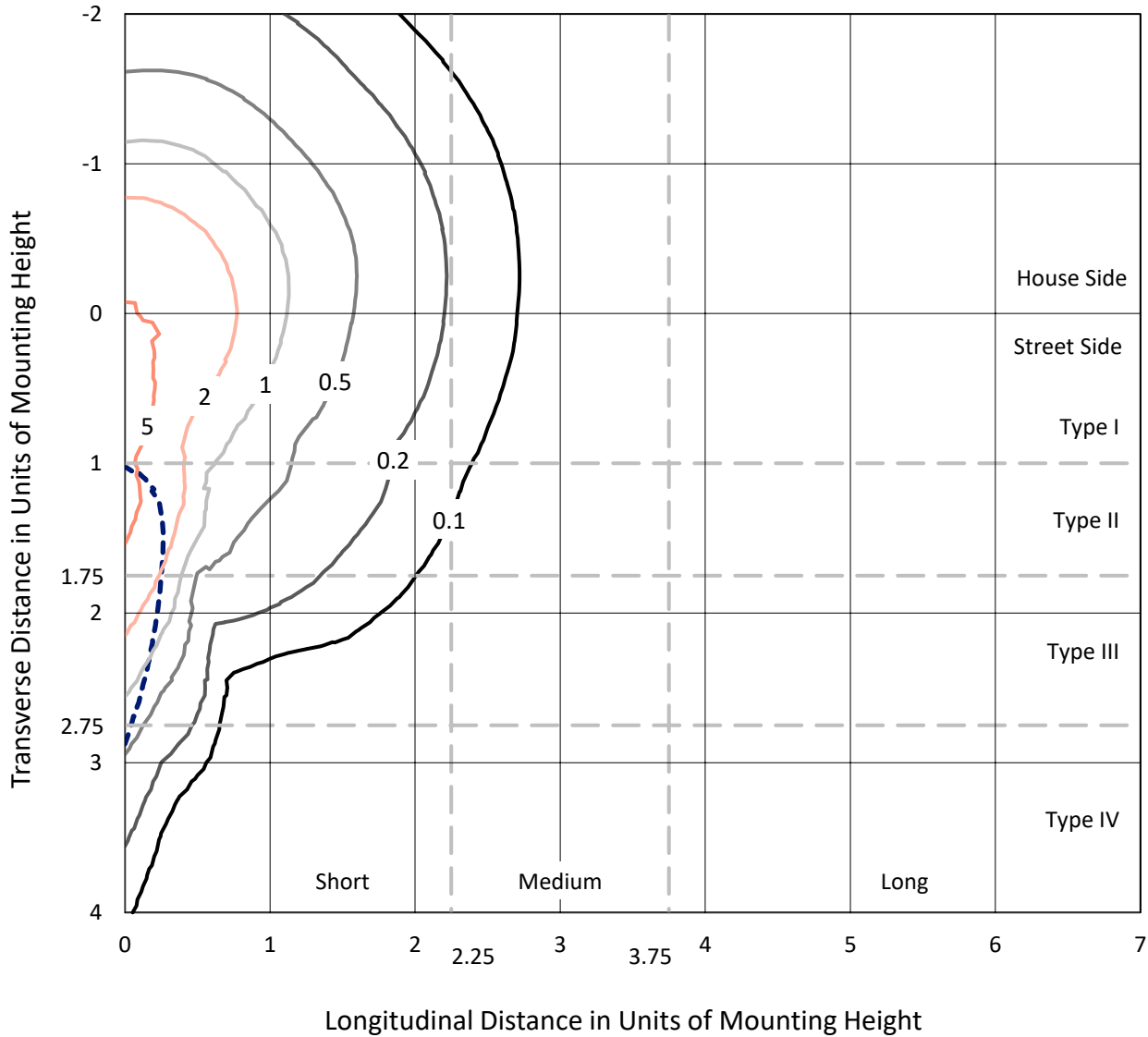
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

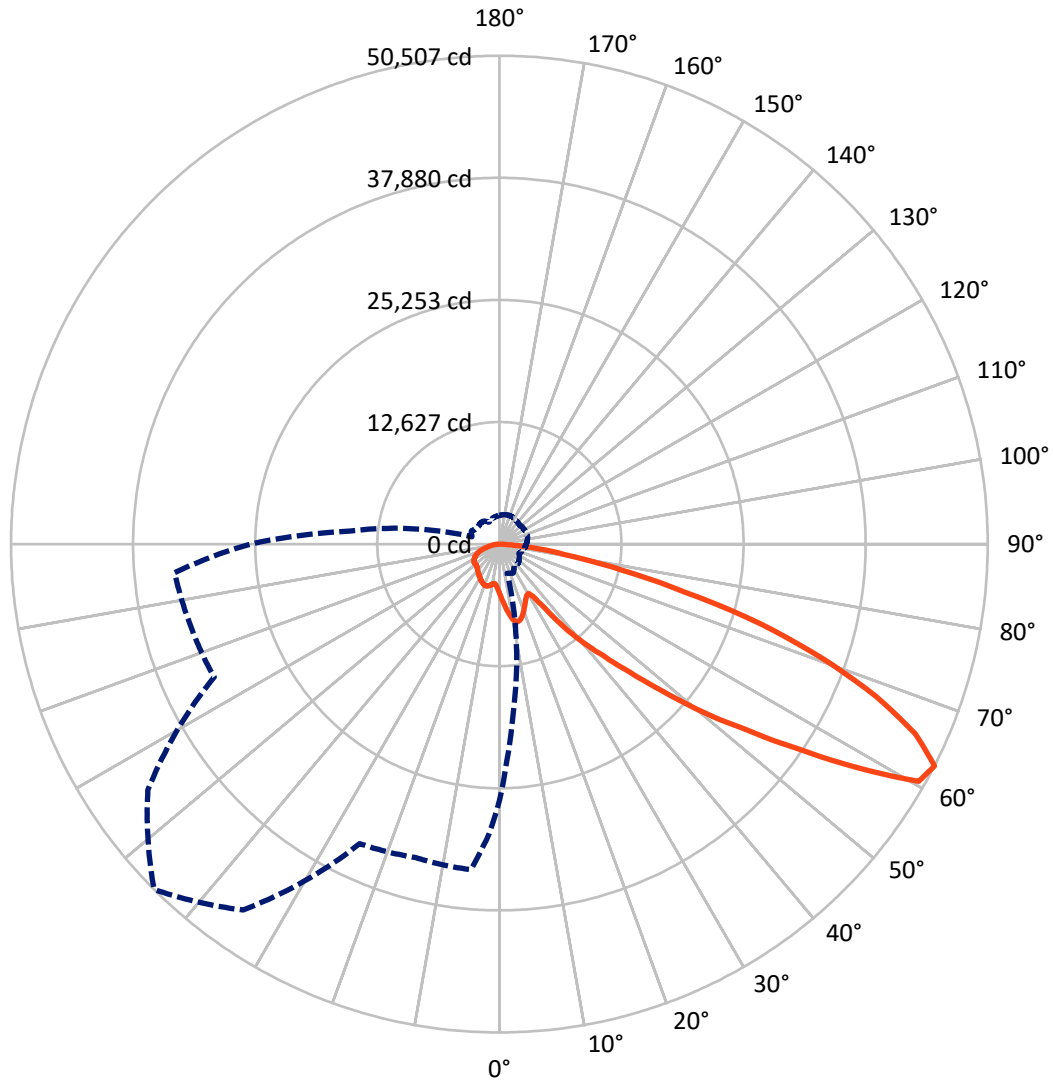
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.6 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	9894.0	0.0	9894.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	31486.0	0.0	31486.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	41380.0	0.0	41380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.3	1.2
10°-20°	1651.9	4.0
20°-30°	2600.4	6.3
30°-40°	3564.3	8.6
40°-50°	5561.4	13.4
50°-60°	9589.0	23.2
60°-70°	11112.5	26.9
70°-80°	5865.7	14.2
80°-90°	926.6	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°	41380.0	100.0
0°-180°	41380.0	100.0

Coefficient of Utilization



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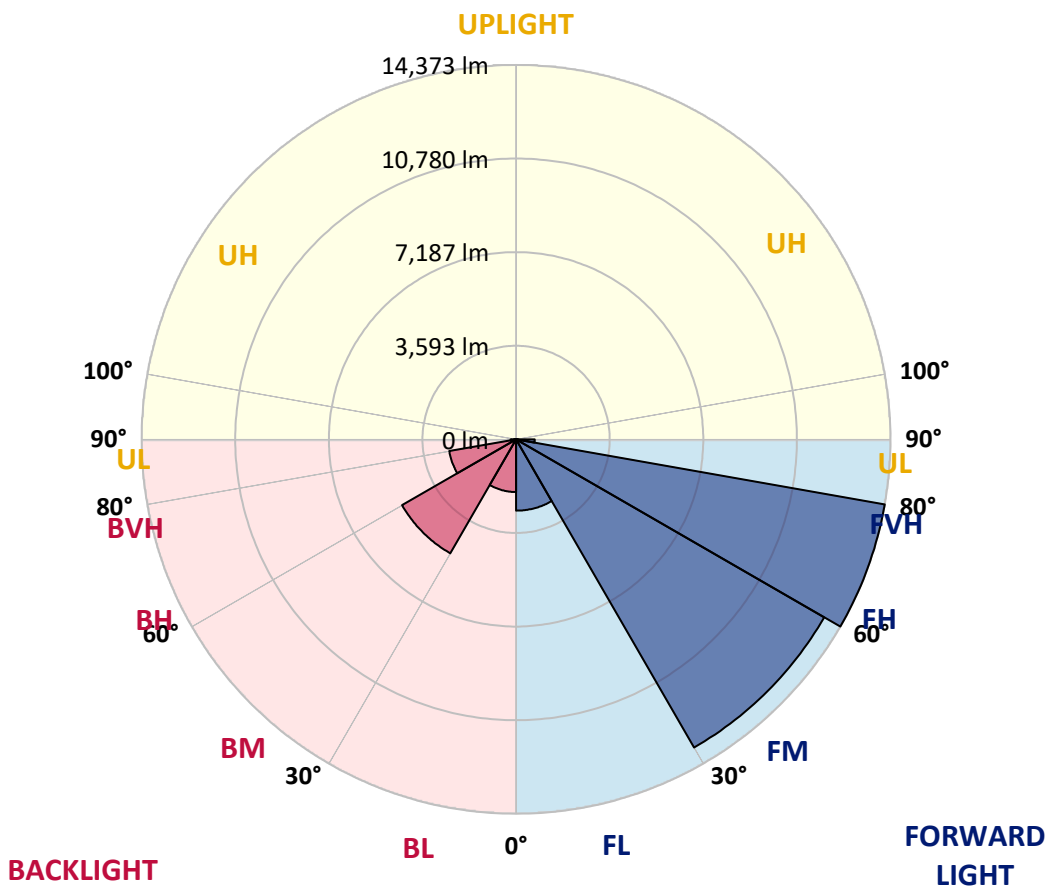
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2736.8	6.6			
FM (30°-60°)	13661.0	33.0			
FH (60°-80°)	14373.0	34.7			G5
FVH (80°-90°)	715.2	1.7			G4/750
BL (0°-30°)	2023.7	4.9	B3/2500		
BM (30°-60°)	5053.8	12.2	B4/8500		
BH (60°-80°)	2605.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	211.4	0.5			G2/225
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°	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2
2.5°	5605.5	5583.4	5551.7	5444.1	5377.6	5301.7	5222.5	5130.7	5026.3	4953.5	4880.7
5°	6080.3	6045.5	5969.5	5713.1	5535.9	5342.8	5181.4	4997.8	4817.4	4693.9	4570.5
7.5°	6536.1	6491.8	6374.7	5982.2	5694.1	5415.6	5171.9	4906.0	4637.0	4453.4	4307.8
10°	6991.9	6900.1	6751.3	6238.6	5858.7	5535.9	5257.3	4931.3	4573.7	4323.6	4168.5
12.5°	7340.0	7254.6	7093.1	6472.8	6023.3	5618.2	5304.8	5004.1	4700.3	4434.4	4276.1
15°	7666.0	7555.3	7371.7	6691.2	6159.4	5615.0	5209.9	4947.2	4902.9	4836.4	4630.6
17.5°	7900.3	7799.0	7609.1	6868.4	6235.4	5516.9	4947.2	4792.1	4991.5	5194.0	4997.8
20°	8106.0	7988.9	7795.8	6991.9	6251.2	5298.5	4627.5	4630.6	4944.0	5222.5	5175.1
22.5°	8280.1	8150.3	7979.4	7131.1	6244.9	4994.6	4348.9	4538.9	4852.2	5070.6	5076.9
25°	8495.3	8387.7	8245.3	7336.9	6244.9	4684.5	4146.4	4428.1	4697.1	4880.7	4874.4
27.5°	8758.0	8685.2	8568.1	7650.2	6301.9	4424.9	4032.4	4285.6	4497.7	4656.0	4652.8
30°	9052.4	8985.9	8897.3	7982.6	6400.0	4231.8	3969.1	4108.4	4263.5	4390.1	4390.1
32.5°	9353.1	9327.8	9232.8	8248.4	6324.0	4171.7	3915.3	3931.1	4013.4	4117.9	4108.4
35°	9770.9	9745.6	9625.3	8454.2	5994.8	4086.2	3829.9	3750.7	3760.2	3826.7	3848.8
37.5°	10381.8	10343.8	10166.5	8694.7	5497.9	3871.0	3690.6	3560.8	3532.3	3560.8	3602.0
40°	11119.2	11062.3	10821.7	9020.7	4925.0	3579.8	3472.2	3364.6	3317.1	3326.6	3374.1
42.5°	12043.5	11923.2	11578.2	9365.7	4358.4	3323.4	3228.5	3162.0	3108.2	3101.9	3193.7
45°	13543.8	13214.6	12667.0	9672.8	3880.5	3187.3	3010.1	2962.6	2918.3	2943.6	3051.2
47.5°	16164.5	15556.8	14490.2	9935.5	3589.3	3190.5	2836.0	2785.4	2782.2	2832.8	2953.1
50°	19766.5	18889.7	17243.9	10112.7	3437.4	3228.5	2731.5	2649.2	2709.4	2760.0	2874.0
52.5°	23216.5	21877.7	19918.4	10109.6	3370.9	3234.8	2760.0	2522.6	2709.4	2722.0	2829.7
55°	26163.3	23738.8	20640.1	9071.4	3276.0	3209.5	2870.8	2424.5	2674.6	2722.0	2807.5
57.5°	28505.5	24922.6	20586.3	7327.4	3564.0	3070.2	2937.3	2402.4	2573.3	2728.4	2826.5
60°	28246.0	24381.3	19260.1	4497.7	3535.5	2823.3	2927.8	2443.5	2402.4	2642.9	2804.3
62.5°	26521.0	22441.1	16978.0	3120.9	3320.3	2680.9	2772.7	2516.3	2244.1	2519.5	2696.7
65°	24105.9	19937.4	14148.3	2392.9	2750.5	2687.2	2510.0	2465.7	2104.8	2323.2	2513.1
67.5°	20912.3	16832.4	11169.9	1895.9	1918.1	2326.4	2278.9	2190.3	1975.1	2149.2	2320.1
70°	15721.4	12284.0	7685.0	1525.6	1452.8	1943.4	2047.9	1968.7	1848.5	1899.1	2079.5
72.5°	11078.1	8020.5	4209.7	1209.1	1120.5	1494.0	1778.8	1766.2	1633.2	1671.2	1848.5
75°	8232.6	5675.2	2630.3	955.9	911.6	1069.8	1490.8	1528.8	1418.0	1462.3	1598.4
77.5°	5478.9	3674.8	1462.3	709.0	709.0	781.8	1111.0	1288.2	1205.9	1240.7	1335.7
80°	3022.7	1870.6	731.2	465.3	477.9	538.1	810.3	927.4	930.6	1016.0	1041.3
82.5°	955.9	595.1	326.0	272.2	256.4	307.0	522.3	664.7	620.4	791.3	728.0
85°	218.4	139.3	60.1	60.1	66.5	101.3	199.4	354.5	452.6	544.4	395.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	139.3	205.7	183.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2
2.5°	4836.4	4773.1	4754.1	4700.3	4693.9	4643.3	4624.3	4624.3	4646.5	4646.5	4668.6
5°	4519.9	4440.7	4396.4	4333.1	4317.3	4279.3	4254.0	4257.2	4285.6	4304.6	4342.6
7.5°	4241.3	4187.5	4155.9	4127.4	4121.1	4114.7	4086.2	4083.1	4092.6	4121.1	4149.5
10°	4124.2	4086.2	4095.7	4117.9	4152.7	4171.7	4146.4	4133.7	4124.2	4143.2	4168.5
12.5°	4238.2	4200.2	4219.2	4257.2	4304.6	4323.6	4314.1	4311.0	4320.5	4393.3	4447.1
15°	4488.2	4415.4	4390.1	4405.9	4443.9	4462.9	4453.4	4466.1	4526.2	4716.1	4852.2
17.5°	4798.4	4621.2	4519.9	4491.4	4507.2	4523.0	4523.0	4554.7	4659.1	4937.7	5108.6
20°	4966.2	4735.1	4564.2	4494.5	4500.9	4516.7	4516.7	4561.0	4678.1	4975.6	5086.4
22.5°	4921.8	4709.8	4500.9	4424.9	4428.1	4440.7	4440.7	4478.7	4583.2	4845.9	4896.5
25°	4747.8	4561.0	4355.3	4288.8	4295.1	4317.3	4311.0	4333.1	4412.2	4627.5	4656.0
27.5°	4538.9	4374.3	4171.7	4121.1	4149.5	4193.9	4155.9	4159.0	4231.8	4412.2	4415.4
30°	4314.1	4178.0	3997.6	3959.6	4013.4	4035.6	4000.8	4000.8	4073.6	4197.0	4193.9
32.5°	4070.4	3985.0	3855.2	3814.0	3874.2	3909.0	3864.7	3871.0	3928.0	4010.3	3978.6
35°	3842.5	3798.2	3738.1	3709.6	3747.6	3779.2	3750.7	3763.4	3817.2	3839.4	3795.0
37.5°	3624.1	3617.8	3624.1	3624.1	3633.6	3643.1	3624.1	3655.8	3703.3	3674.8	3624.1
40°	3434.2	3459.5	3519.7	3503.8	3494.3	3503.8	3491.2	3545.0	3592.5	3541.8	3481.7
42.5°	3276.0	3323.4	3415.2	3415.2	3396.2	3402.6	3396.2	3462.7	3497.5	3427.9	3361.4
45°	3139.8	3209.5	3326.6	3342.4	3310.8	3310.8	3323.4	3405.7	3418.4	3323.4	3253.8
47.5°	3044.9	3130.4	3263.3	3291.8	3244.3	3241.1	3276.0	3364.6	3364.6	3253.8	3174.7
50°	2978.4	3073.4	3231.6	3269.6	3222.1	3209.5	3266.5	3351.9	3332.9	3200.0	3120.9
52.5°	2934.1	3032.2	3228.5	3282.3	3250.6	3238.0	3294.9	3355.1	3307.6	3165.2	3082.9
55°	2905.6	3013.2	3238.0	3282.3	3247.5	3225.3	3282.3	3336.1	3310.8	3146.2	3067.1
57.5°	2921.5	3029.1	3225.3	3247.5	3206.3	3168.3	3234.8	3310.8	3301.3	3152.5	3073.4
60°	2896.1	2994.3	3155.7	3162.0	3092.4	3032.2	3130.4	3244.3	3244.3	3130.4	3060.7
62.5°	2779.0	2877.1	3019.6	3025.9	2946.8	2880.3	2994.3	3130.4	3127.2	3035.4	2962.6
65°	2585.9	2677.7	2839.2	2855.0	2775.9	2706.2	2823.3	2949.9	2959.4	2877.1	2813.8
67.5°	2373.9	2456.2	2576.4	2639.8	2573.3	2500.5	2608.1	2728.4	2725.2	2627.1	2560.6
70°	2120.7	2196.6	2307.4	2361.2	2320.1	2250.4	2348.6	2411.9	2383.4	2335.9	2291.6
72.5°	1870.6	1943.4	2047.9	2047.9	2003.6	1937.1	1965.6	2079.5	2114.3	2079.5	2051.0
75°	1607.9	1671.2	1744.0	1759.8	1661.7	1541.4	1674.4	1772.5	1813.6	1797.8	1763.0
77.5°	1338.9	1386.3	1494.0	1465.5	1281.9	1218.6	1326.2	1471.8	1500.3	1490.8	1443.3
80°	1031.8	1060.3	1174.3	1117.3	974.9	933.7	981.2	1095.1	1101.5	1069.8	1009.7
82.5°	693.2	731.2	807.1	696.3	693.2	655.2	617.2	629.9	686.8	680.5	639.4
85°	354.5	373.5	446.3	417.8	357.7	310.2	294.4	313.4	281.7	256.4	221.6
87.5°	148.8	161.4	221.6	123.4	38.0	0.0	0.0	19.0	28.5	41.1	44.3
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°	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2
2.5°	4719.3	4754.1	4839.5	4947.2	5051.6	5159.2	5276.3	5349.1	5437.8	5551.7	5554.9
5°	4390.1	4469.2	4592.7	4757.3	4928.2	5124.4	5352.3	5542.2	5770.1	5950.5	6023.3
7.5°	4187.5	4301.5	4456.6	4665.5	4890.2	5133.9	5431.4	5751.1	6124.6	6365.2	6507.6
10°	4206.5	4380.6	4535.7	4712.9	4915.5	5178.2	5561.2	5985.3	6444.3	6760.8	6938.1
12.5°	4545.2	4728.8	4700.3	4690.8	4826.9	5146.6	5665.7	6222.7	6783.0	7099.5	7311.5
15°	4972.5	5042.1	4773.1	4570.5	4652.8	5032.6	5722.6	6434.8	7064.7	7450.8	7659.7
17.5°	5190.9	5051.6	4725.6	4421.7	4399.6	4858.5	5751.1	6650.0	7381.2	7767.3	7988.9
20°	5089.6	4887.0	4611.7	4323.6	4165.4	4621.2	5735.3	6820.9	7669.2	8099.7	8280.1
22.5°	4871.2	4693.9	4478.7	4203.3	3975.5	4361.6	5694.1	6991.9	7925.6	8359.2	8517.5
25°	4633.8	4500.9	4323.6	4083.1	3867.8	4133.7	5665.7	7219.8	8219.9	8634.6	8735.9
27.5°	4396.4	4298.3	4152.7	3966.0	3842.5	3975.5	5675.2	7517.3	8599.8	8992.3	8951.1
30°	4162.2	4076.7	3975.5	3893.2	3839.4	3937.5	5649.8	7833.8	9017.6	9381.6	9137.8
32.5°	3940.6	3861.5	3798.2	3810.9	3842.5	3953.3	5520.1	8121.8	9400.6	9710.7	9340.4
35°	3750.7	3668.4	3668.4	3712.7	3829.9	3899.5	5184.6	8346.6	9824.7	10134.9	9628.5
37.5°	3573.5	3500.7	3548.2	3621.0	3731.7	3753.9	4754.1	8565.0	10441.9	10733.1	10074.7
40°	3418.4	3345.6	3431.0	3522.8	3579.8	3570.3	4317.3	8868.8	11169.9	11470.6	10666.6
42.5°	3294.9	3228.5	3304.4	3421.6	3431.0	3440.5	3997.6	9160.0	12015.0	12398.0	11685.8
45°	3193.7	3146.2	3184.2	3301.3	3301.3	3446.9	3798.2	9403.7	13287.4	13964.7	13556.4
47.5°	3114.5	3086.0	3105.0	3143.0	3206.3	3560.8	3671.6	9590.5	15604.3	16933.7	16522.2
50°	3070.2	3041.7	3067.1	2987.9	3177.8	3617.8	3630.5	9732.9	18658.7	20741.4	20231.8
52.5°	3032.2	3022.7	3038.6	2855.0	3241.1	3579.8	3598.8	9543.0	20706.6	24488.9	24992.2
55°	3019.6	3025.9	2949.9	2756.9	3317.1	3453.2	3503.8	8185.1	21263.6	27720.6	30844.6
57.5°	3025.9	3006.9	2813.8	2766.4	3320.3	3200.0	3639.9	5839.7	20453.3	29125.9	36570.4
60°	3003.7	2908.8	2649.2	2851.8	3174.7	2902.5	3541.8	3807.7	18316.8	28046.6	36902.7
62.5°	2905.6	2766.4	2506.8	2899.3	2915.1	2725.2	3215.8	2934.1	15468.2	25736.0	33699.6
65°	2763.2	2576.4	2386.5	2801.2	2652.4	2642.9	2418.2	2351.7	12439.1	22985.5	30661.0
67.5°	2529.0	2342.2	2297.9	2576.4	2386.5	2342.2	1943.4	1949.7	9926.0	20054.5	27606.6
70°	2263.1	2076.4	2111.2	2329.6	2123.8	1946.6	1573.1	1623.7	7529.9	16708.9	23488.7
72.5°	2089.0	1839.0	1842.1	2051.0	1867.5	1576.3	1294.6	1338.9	4779.4	12594.2	18674.5
75°	1763.0	1620.6	1550.9	1661.7	1585.8	1228.1	1088.8	1079.3	2832.8	9027.1	13983.7
77.5°	1471.8	1361.0	1326.2	1370.5	1183.8	908.4	876.8	860.9	1604.7	5782.8	9163.2
80°	1066.7	1038.2	1035.0	1057.2	911.6	667.9	667.9	671.0	864.1	3139.8	5165.6
82.5°	677.3	740.7	655.2	728.0	620.4	474.8	443.1	503.3	496.9	1338.9	2177.6
85°	281.7	386.2	360.8	383.0	294.4	259.5	278.5	300.7	288.0	515.9	848.3
87.5°	53.8	63.3	69.6	66.5	66.5	82.3	91.8	110.8	110.8	148.8	256.4
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°	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2	5159.2
2.5°	5675.2	5766.9	5748.0	5789.1	5735.3	5754.3	5646.7	5618.2	5599.2	5605.5
5°	6257.5	6444.3	6479.1	6548.7	6501.3	6501.3	6311.4	6168.9	6118.3	6080.3
7.5°	6849.4	7118.5	7295.7	7314.7	7289.4	7238.7	6963.4	6707.0	6615.2	6536.1
10°	7374.8	7697.7	7897.1	7992.1	7944.6	7865.5	7523.6	7172.3	7061.5	6991.9
12.5°	7776.8	8061.7	8194.6	8257.9	8251.6	8223.1	7944.6	7564.8	7447.6	7340.0
15°	8036.4	8178.8	8128.2	8125.0	8169.3	8283.3	8197.8	7900.3	7764.2	7666.0
17.5°	8204.1	8068.0	7843.3	7738.8	7833.8	8102.8	8299.1	8131.3	8007.9	7900.3
20°	8264.3	7780.0	7454.0	7260.9	7371.7	7761.0	8245.3	8299.1	8194.6	8106.0
22.5°	8194.6	7428.7	6985.5	6757.6	6865.3	7330.5	8087.0	8435.2	8365.5	8280.1
25°	8023.7	7061.5	6529.7	6324.0	6441.1	6915.9	7805.3	8561.8	8565.0	8495.3
27.5°	7811.6	6722.8	6210.1	6017.0	6130.9	6574.1	7529.9	8672.6	8783.4	8758.0
30°	7596.4	6520.3	6058.1	5922.0	6007.5	6400.0	7248.2	8786.5	9008.1	9052.4
32.5°	7498.3	6618.4	6415.8	6475.9	6365.2	6501.3	7147.0	8947.9	9280.3	9353.1
35°	7628.1	7488.8	8001.6	8238.9	7846.5	7330.5	7276.7	9191.7	9663.3	9770.9
37.5°	8257.9	9353.1	10119.1	10954.7	10274.1	9137.8	7919.3	9606.3	10210.8	10381.8
40°	9628.5	10980.0	12363.2	13442.5	12413.8	10885.0	9141.0	10223.5	10964.2	11119.2
42.5°	10919.8	12505.6	14411.0	15806.9	14471.2	12312.5	10457.7	11261.7	11958.0	12043.5
45°	12185.9	14002.7	16889.4	18829.6	17016.0	13670.4	11802.9	13015.2	13540.6	13543.8
47.5°	13670.4	15689.8	19997.6	22760.7	20393.2	15173.8	13065.8	15791.0	16522.2	16164.5
50°	15446.0	17367.3	23197.5	27334.4	24511.1	17022.3	14670.6	19174.6	20171.6	19766.5
52.5°	17823.1	19215.8	26723.5	31794.1	28999.3	19127.1	16997.0	23643.8	23973.0	23216.5
55°	21168.7	21884.0	31249.7	37301.5	34009.8	21719.4	20399.5	29252.5	28331.4	26163.3
57.5°	28787.2	26106.3	37061.0	43584.4	39678.6	26429.2	27856.7	35437.3	32161.3	28505.5
60°	35161.9	31233.9	42438.6	49819.8	44537.1	31620.1	34858.0	36513.4	32018.9	28246.0
62.5°	33012.7	32541.1	44378.9	50506.6	46195.7	34174.4	33557.1	33800.9	29929.9	26521.0
65°	28964.5	30018.5	42647.5	47249.7	44356.7	31885.9	30354.0	31294.0	27540.2	24105.9
67.5°	26574.8	27350.2	39567.8	42036.6	41014.3	29410.8	27863.0	27182.5	23830.6	20912.3
70°	24131.3	24773.8	35244.2	35494.2	35801.3	25296.0	22782.9	20757.2	17762.9	15721.4
72.5°	20852.1	20887.0	29777.9	28328.3	28910.7	19795.0	18339.0	15518.8	12929.7	11078.1
75°	17493.9	16538.0	23571.0	19801.3	20969.3	15398.6	15227.6	11695.3	9751.9	8232.6
77.5°	13338.0	12220.7	17218.5	13021.5	14727.5	10255.2	11448.4	7931.9	6862.1	5478.9
80°	8954.3	8257.9	9514.5	7349.5	9634.8	7067.8	7466.6	4494.5	3896.3	3022.7
82.5°	4722.4	4032.4	5880.9	4358.4	5811.3	3883.7	2801.2	1389.5	1183.8	955.9
85°	1829.5	2117.5	2883.5	1550.9	2253.6	1386.3	810.3	345.0	288.0	218.4
87.5°	354.5	547.6	300.7	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)