

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P158175

Luminaire Tested: **VTS-F10-LED-E1-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158175
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F10-LED-E1-SL2
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

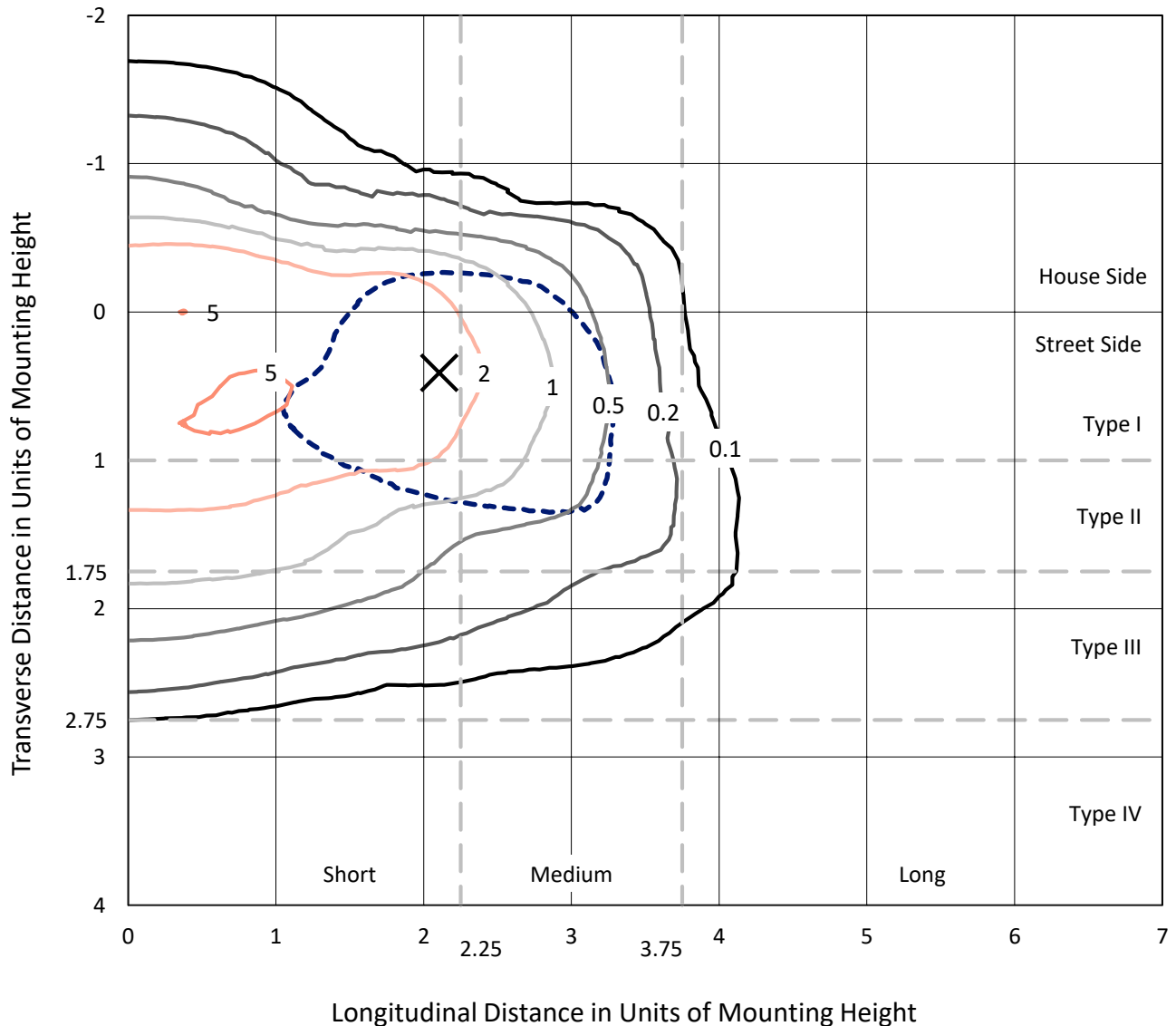
Lumens per Lamp: N/A
Luminaire Lumens: 24838.1 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 258.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

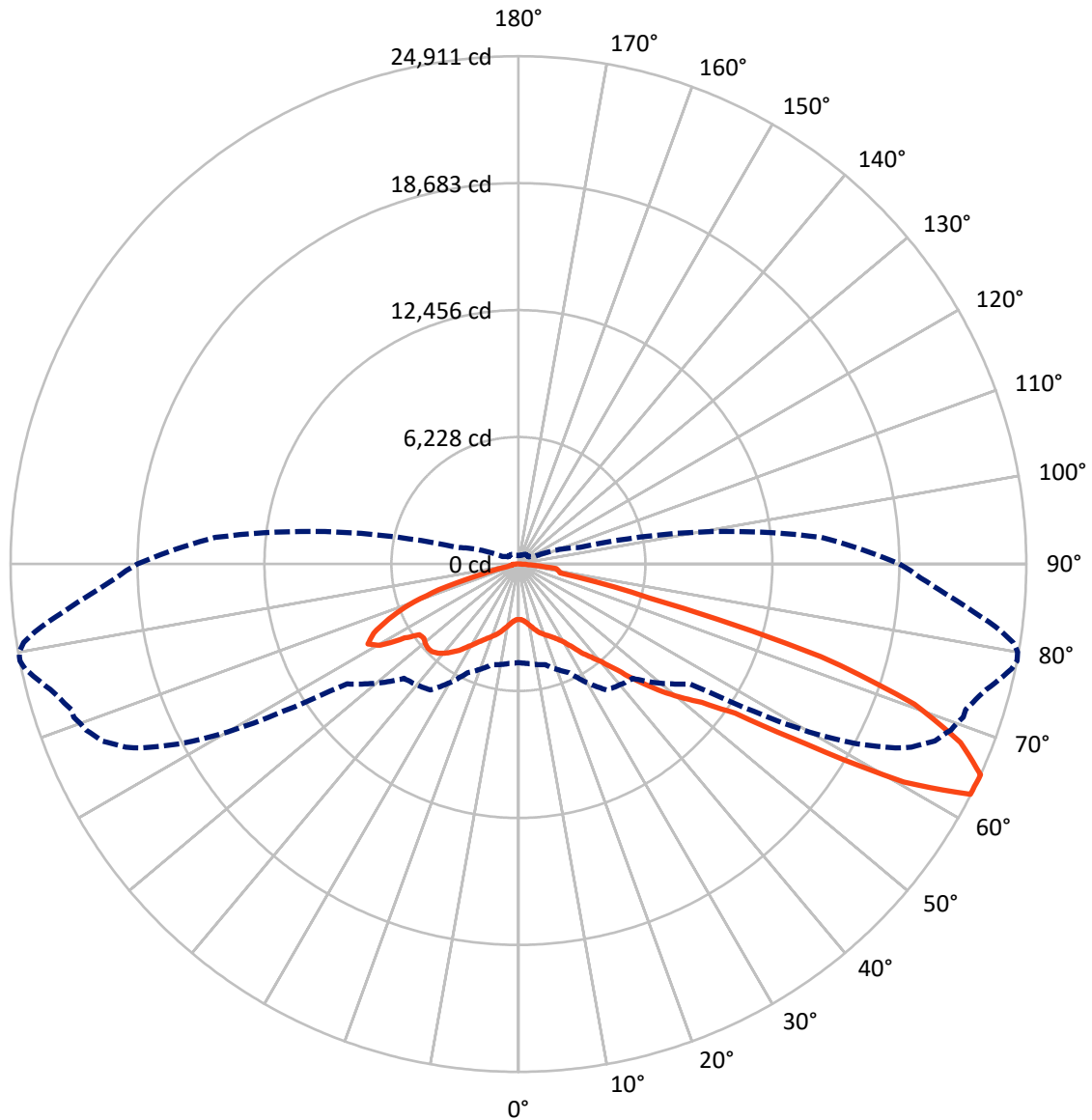
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5707.3	0.0	5707.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19130.8	0.0	19130.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	24838.1	0.0	24838.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.9	1.1
10°-20°	873.2	3.5
20°-30°	1505.4	6.1
30°-40°	2465.9	9.9
40°-50°	4129.4	16.6
50°-60°	5585.6	22.5
60°-70°	6878.7	27.7
70°-80°	2662.7	10.7
80°-90°	468.3	1.9
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°	24838.1	100.0
0°-180°	24838.1	100.0



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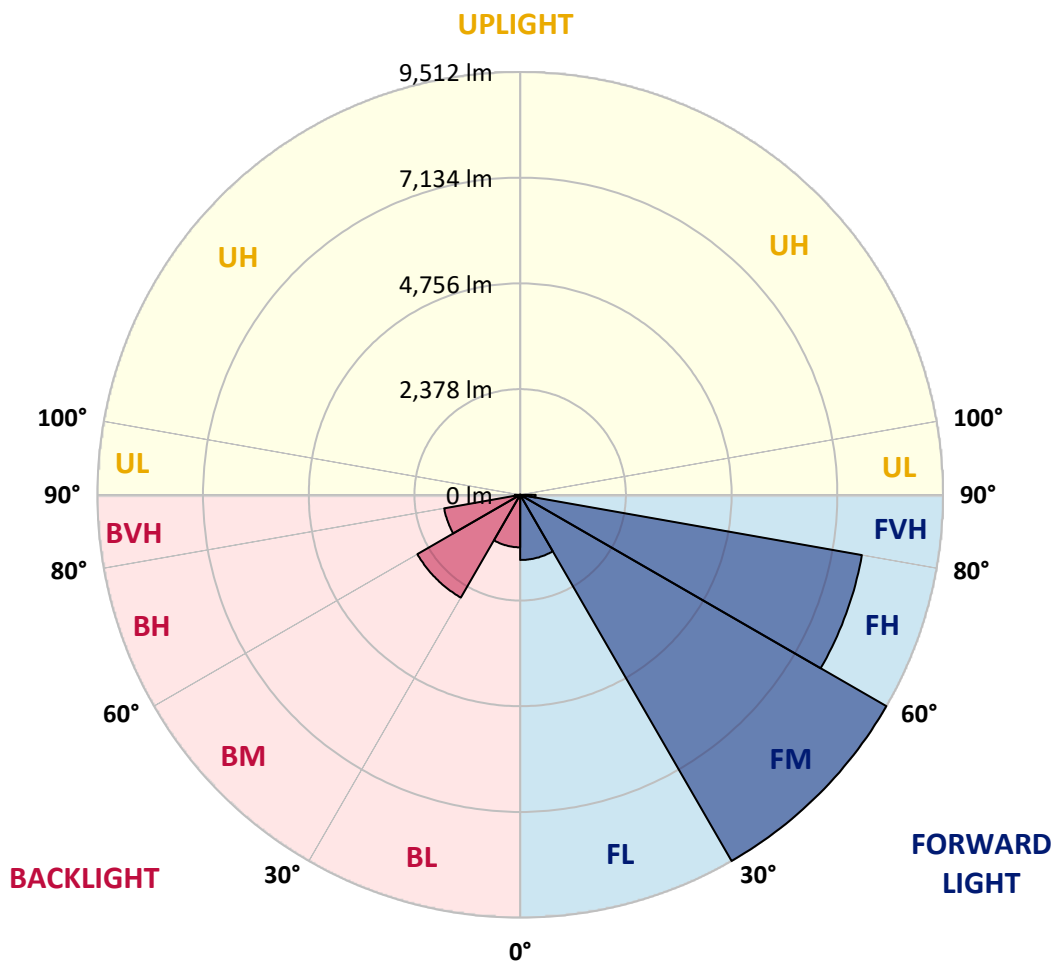
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1466.4	5.9			
FM (30°-60°)	9511.9	38.3			
FH (60°-80°)	7805.0	31.4			G4/12000
FVH (80°-90°)	347.5	1.4			G3/500
BL (0°-30°)	1181.2	4.8	B3/2500		
BM (30°-60°)	2669.0	10.7	B3/5000		
BH (60°-80°)	1736.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	120.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6
2.5°	2722.6	2714.3	2722.6	2729.2	2734.1	2740.7	2739.1	2737.4	2735.8	2737.4	2737.4
5°	2745.7	2744.0	2752.3	2758.9	2770.5	2778.7	2788.6	2788.6	2788.6	2787.0	2790.3
7.5°	2820.0	2818.3	2826.6	2833.2	2843.1	2859.6	2872.8	2879.4	2877.8	2877.8	2877.8
10°	2942.2	2935.6	2935.6	2935.6	2948.8	2960.3	2990.1	2993.4	3000.0	2996.7	2998.3
12.5°	3061.0	3062.7	3057.7	3052.8	3054.4	3077.6	3120.5	3128.7	3130.4	3135.3	3138.6
15°	3168.4	3166.7	3155.2	3143.6	3158.5	3198.1	3254.2	3269.1	3269.1	3279.0	3285.6
17.5°	3267.4	3264.1	3242.7	3222.8	3237.7	3305.4	3392.9	3402.8	3417.7	3422.6	3429.2
20°	3384.7	3378.0	3353.3	3300.4	3300.4	3392.9	3508.5	3518.4	3531.6	3534.9	3546.5
22.5°	3548.1	3531.6	3478.8	3383.0	3356.6	3463.9	3605.9	3610.8	3620.8	3634.0	3643.9
25°	3733.0	3736.3	3650.5	3483.7	3425.9	3538.2	3700.0	3708.3	3726.4	3736.3	3747.9
27.5°	3924.5	3929.5	3833.7	3625.7	3528.3	3640.6	3827.1	3837.0	3858.5	3870.1	3888.2
30°	4142.5	4149.1	4056.6	3846.9	3698.4	3790.8	4015.4	4041.8	4059.9	4074.8	4104.5
32.5°	4665.9	4626.2	4561.9	4339.0	4104.5	4097.9	4319.1	4348.9	4373.6	4405.0	4433.1
35°	5324.6	5349.4	5382.4	5232.2	5025.8	4875.6	4893.7	4877.2	4900.3	4946.5	4974.6
37.5°	5846.4	5900.9	6044.5	6141.9	6133.7	6103.9	5826.6	5826.6	5841.4	5816.6	5813.3
40°	6255.8	6290.5	6584.4	6962.5	7281.1	7438.0	7218.4	7187.0	7203.5	7076.4	7081.4
42.5°	6467.2	6518.3	6941.0	7604.7	8237.1	8740.7	8673.0	8651.5	8602.0	8570.6	8550.8
45°	6574.5	6635.6	7139.1	8050.5	8971.8	9749.4	10099.5	10096.2	10051.6	10015.3	9998.8
47.5°	6520.0	6572.8	7109.4	8185.9	9358.2	10400.0	11174.3	11222.2	11209.0	11261.8	11283.3
50°	6163.4	6231.1	6769.3	7893.7	9196.3	10655.9	11918.9	12008.1	12128.6	12204.6	12305.3
52.5°	5841.4	5897.6	6383.0	7419.8	8664.7	10447.8	12368.0	12551.3	12716.4	12871.6	12992.1
55°	5504.6	5560.7	5986.7	6927.8	8128.1	9833.7	12572.7	12840.2	13097.8	13360.3	13601.3
57.5°	5377.5	5436.9	5753.9	6546.4	7688.9	9224.4	12673.5	13112.6	13532.0	13977.8	14440.1
60°	5707.7	5760.5	6001.6	6556.3	7353.8	8615.2	12470.4	13160.5	13882.0	14616.7	15326.7
62.5°	5607.0	5635.0	5935.5	6795.7	7781.4	8014.2	11590.4	12501.7	13550.2	14626.7	15714.7
65°	4837.6	4892.1	5118.3	5874.4	7542.0	7933.3	10249.7	11166.1	12402.7	13675.6	15133.5
67.5°	3470.5	3394.6	3569.6	4231.6	5851.3	7920.1	8740.7	9419.2	10388.4	11364.2	12559.5
70°	1576.8	1540.4	1677.5	2200.8	3529.9	6259.1	7390.1	7619.6	7979.5	8636.6	9444.0
72.5°	622.4	620.8	710.0	909.7	1669.2	4028.6	6214.6	6346.6	6473.8	6759.4	7107.8
75°	407.8	407.8	434.2	490.4	822.2	1944.9	5256.9	5377.5	5572.3	5653.2	5801.8
77.5°	307.1	308.7	320.3	333.5	454.0	1023.7	3709.9	4137.5	4467.7	4713.7	4893.7
80°	217.9	227.8	249.3	257.6	295.5	582.8	2096.8	2405.6	2778.7	3176.6	3676.9
82.5°	163.5	175.0	211.3	221.2	234.4	331.9	946.1	1073.2	1253.1	1624.6	2336.2
85°	75.9	84.2	145.3	158.5	170.1	191.5	480.5	536.6	609.2	667.0	777.6
87.5°	11.6	8.3	24.8	34.7	54.5	56.1	165.1	196.5	213.0	255.9	265.8
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6
2.5°	2737.4	2739.1	2740.7	2737.4	2739.1	2739.1	2735.8	2734.1	2734.1	2734.1	2735.8
5°	2790.3	2793.6	2790.3	2791.9	2798.5	2796.9	2793.6	2791.9	2798.5	2800.2	2795.2
7.5°	2884.4	2886.0	2879.4	2887.7	2891.0	2892.6	2892.6	2895.9	2895.9	2900.9	2895.9
10°	3004.9	3004.9	3016.5	3014.8	3016.5	3019.8	3021.4	3028.0	3033.0	3033.0	3036.3
12.5°	3143.6	3145.2	3156.8	3158.5	3165.1	3166.7	3176.6	3170.0	3186.5	3186.5	3191.5
15°	3287.2	3298.8	3300.4	3317.0	3320.3	3321.9	3335.1	3335.1	3346.7	3348.3	3351.6
17.5°	3429.2	3439.1	3445.7	3458.9	3470.5	3475.5	3480.4	3490.3	3498.6	3501.9	3510.1
20°	3551.4	3561.3	3567.9	3581.1	3591.0	3599.3	3604.2	3615.8	3624.1	3627.4	3638.9
22.5°	3653.8	3660.4	3671.9	3690.1	3693.4	3703.3	3718.2	3726.4	3729.7	3739.6	3752.8
25°	3762.7	3772.6	3779.3	3795.8	3809.0	3825.5	3838.7	3851.9	3855.2	3868.4	3880.0
27.5°	3908.0	3917.9	3919.6	3952.6	3965.8	3988.9	4003.8	4023.6	4033.5	4045.1	4068.2
30°	4122.7	4145.8	4155.7	4193.7	4200.3	4226.7	4253.1	4259.7	4274.6	4276.2	4314.2
32.5°	4451.2	4484.3	4497.5	4537.1	4547.0	4571.8	4586.6	4621.3	4622.9	4639.5	4647.7
35°	4989.5	4981.2	5032.4	5042.3	5072.0	5093.5	5108.3	5108.3	5139.7	5141.4	5151.3
37.5°	5724.2	5707.7	5720.9	5661.4	5676.3	5649.9	5644.9	5651.5	5638.3	5641.6	5640.0
40°	6899.7	6825.4	6747.8	6564.6	6524.9	6449.0	6389.6	6341.7	6295.5	6245.9	6212.9
42.5°	8374.1	8266.8	8151.2	7857.3	7720.3	7573.4	7429.7	7347.2	7182.1	7081.4	7026.9
45°	9919.5	9794.0	9632.2	9387.9	9193.0	9036.2	8773.7	8649.9	8393.9	8266.8	8095.1
47.5°	11185.9	11187.5	11057.1	10809.4	10601.4	10497.4	10333.9	10094.5	9803.9	9640.5	9335.0
50°	12293.7	12292.1	12283.8	12135.2	11989.9	11876.0	11732.4	11516.1	11278.3	11093.4	10743.4
52.5°	13112.6	13221.6	13267.8	13266.2	13248.0	13195.2	13086.2	12899.7	12658.6	12554.6	12275.6
55°	13789.6	14027.3	14151.1	14421.9	14446.7	14534.2	14438.4	14440.1	14298.1	14308.0	14218.8
57.5°	14814.9	15249.1	15498.4	16097.7	16398.2	16761.5	16697.1	17000.9	17111.5	17251.8	17438.4
60°	15978.9	16789.5	17380.6	18572.7	19058.1	19645.8	19969.4	20314.5	20565.5	20823.0	21012.9
62.5°	16811.0	17875.9	18846.7	20545.7	21176.4	21795.5	22203.3	22621.0	22903.4	23088.3	23225.3
65°	16470.9	17648.1	18795.6	20577.0	21263.9	21713.0	22198.4	22439.4	22721.7	22875.3	23071.8
67.5°	13995.9	15176.5	16406.5	18508.3	19226.5	19847.3	20225.4	20537.4	20765.3	20960.1	21186.3
70°	10408.2	11699.3	12970.6	15275.5	16181.9	17078.5	17524.2	17910.6	18148.3	18344.8	18594.1
72.5°	7490.8	8299.8	9094.0	11674.6	12581.0	13740.0	14202.3	14631.6	14940.4	14930.4	15194.6
75°	5963.6	6292.2	6645.5	7977.9	8628.4	9605.8	9865.0	10106.1	9960.8	9681.8	9665.2
77.5°	4964.7	5100.1	5219.0	5636.7	5732.4	5965.2	5836.5	5702.7	5271.8	4908.6	4717.0
80°	4030.2	4297.7	4472.7	4769.9	4892.1	4961.4	4979.6	4933.3	4774.8	4555.2	4205.2
82.5°	2996.7	3505.2	3851.9	4436.4	4651.0	4695.6	4781.4	4728.6	4624.6	4446.3	4195.3
85°	878.4	993.9	1139.2	1545.4	1811.2	2037.4	2268.5	2382.5	2453.5	2354.4	2095.2
87.5°	308.7	348.4	389.6	536.6	571.3	690.1	676.9	799.1	804.1	838.7	802.4
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6
2.5°	2734.1	2734.1	2734.1	2735.8	2735.8	2735.8	2732.5	2730.8	2732.5	2735.8	2735.8
5°	2798.5	2800.2	2803.5	2796.9	2798.5	2803.5	2800.2	2798.5	2800.2	2803.5	2800.2
7.5°	2902.5	2904.2	2900.9	2907.5	2907.5	2910.8	2915.8	2910.8	2912.5	2914.1	2915.8
10°	3037.9	3039.6	3042.9	3047.8	3049.5	3052.8	3056.1	3061.0	3061.0	3057.7	3066.0
12.5°	3199.7	3198.1	3201.4	3208.0	3211.3	3216.2	3226.2	3226.2	3232.8	3231.1	3239.4
15°	3358.2	3366.5	3368.1	3379.7	3384.7	3392.9	3404.5	3411.1	3411.1	3421.0	3424.3
17.5°	3516.7	3523.3	3529.9	3539.9	3546.5	3551.4	3564.6	3572.9	3571.2	3589.4	3589.4
20°	3638.9	3652.1	3660.4	3667.0	3678.5	3686.8	3696.7	3706.6	3713.2	3724.8	3728.1
22.5°	3757.8	3766.0	3777.6	3785.9	3799.1	3809.0	3820.5	3828.8	3840.3	3855.2	3860.2
25°	3889.9	3903.1	3916.3	3927.8	3937.8	3949.3	3969.1	3987.3	4003.8	4017.0	4022.0
27.5°	4073.1	4088.0	4107.8	4116.1	4130.9	4140.8	4170.6	4193.7	4201.9	4225.0	4231.6
30°	4320.8	4337.3	4357.1	4367.0	4393.4	4406.7	4438.0	4462.8	4471.0	4499.1	4504.1
32.5°	4679.1	4689.0	4728.6	4727.0	4763.3	4801.3	4819.4	4839.2	4875.6	4890.4	4895.4
35°	5176.0	5199.2	5227.2	5225.6	5271.8	5293.3	5329.6	5351.1	5377.5	5375.8	5403.9
37.5°	5656.5	5664.8	5674.7	5696.1	5729.1	5758.9	5772.1	5793.5	5813.3	5843.1	5879.4
40°	6179.9	6199.7	6201.3	6212.9	6229.4	6267.4	6292.2	6315.3	6383.0	6425.9	6447.3
42.5°	6964.1	6959.2	6926.2	6947.6	6957.5	7015.3	7033.5	7104.5	7180.4	7271.2	7296.0
45°	7972.9	7906.9	7887.1	7878.8	7931.6	7961.4	8035.7	8167.7	8247.0	8332.8	8374.1
47.5°	9214.5	9008.1	8910.7	8889.3	8943.7	9070.9	9095.6	9226.1	9330.1	9392.8	9434.1
50°	10457.7	10295.9	10091.2	10021.9	10007.0	10124.2	10152.3	10261.3	10366.9	10385.1	10363.6
52.5°	12019.6	11755.5	11417.0	11294.8	11197.4	11205.7	11228.8	11275.0	11342.7	11314.6	11256.9
55°	14017.4	13716.9	13550.2	13319.0	13172.1	13145.7	13044.9	12906.3	12901.3	12919.5	12746.1
57.5°	17344.3	17218.8	17289.8	17265.0	17119.7	17207.2	16753.2	16624.4	16522.1	16343.7	16183.6
60°	21181.3	21310.1	21457.0	21795.5	21780.6	22120.8	21805.4	21726.2	21630.4	21080.6	20811.5
62.5°	23464.7	23515.9	23732.2	24047.5	24357.9	24683.2	24830.1	24881.3	24681.5	24232.5	23671.1
65°	23066.8	23293.0	23502.7	23775.1	24093.8	24419.0	24729.4	24911.0	24864.8	24567.6	23950.1
67.5°	21258.9	21496.7	21803.8	22089.4	22432.8	22715.1	23055.3	23388.8	23398.7	23250.1	22820.8
70°	18620.5	18896.3	19213.3	19373.4	19744.9	20000.8	20283.1	20613.4	20720.7	20738.8	20238.6
72.5°	15138.5	15254.0	15409.2	15325.0	15399.3	15562.8	15486.8	15513.3	15105.5	15181.4	14563.9
75°	9219.5	9113.8	8644.9	8217.3	7695.5	7294.3	7390.1	6624.0	5869.5	5831.5	5286.7
77.5°	4675.8	4507.4	4216.8	3914.6	3472.2	2965.3	2542.6	2086.9	1702.2	1482.6	1273.0
80°	3982.3	3863.5	3703.3	3483.7	3161.8	2787.0	2346.1	1999.4	1677.5	1342.3	1074.8
82.5°	3810.6	3447.4	3214.6	3031.3	2683.0	2336.2	2095.2	1857.4	1629.6	1423.2	1127.7
85°	1890.5	1672.5	1414.9	1254.8	965.9	756.2	708.3	582.8	543.2	419.4	353.3
87.5°	635.7	520.1	388.0	326.9	260.9	213.0	209.7	186.6	184.9	168.4	155.2
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6
2.5°	2734.1	2737.4	2737.4	2734.1	2735.8	2732.5	2734.1	2735.8	2730.8	2729.2	2724.2
5°	2801.8	2800.2	2800.2	2801.8	2806.8	2808.4	2800.2	2803.5	2805.1	2796.9	2778.7
7.5°	2914.1	2914.1	2919.1	2917.4	2927.3	2924.0	2922.4	2922.4	2922.4	2905.8	2876.1
10°	3066.0	3066.0	3071.0	3077.6	3079.2	3075.9	3075.9	3077.6	3085.8	3052.8	3006.6
12.5°	3236.1	3244.3	3242.7	3242.7	3262.5	3257.5	3250.9	3257.5	3265.8	3219.5	3153.5
15°	3425.9	3430.9	3434.2	3445.7	3442.4	3454.0	3457.3	3454.0	3462.3	3402.8	3292.2
17.5°	3597.6	3607.5	3610.8	3624.1	3624.1	3625.7	3638.9	3634.0	3635.6	3567.9	3409.4
20°	3739.6	3749.5	3754.5	3769.3	3772.6	3779.3	3784.2	3787.5	3795.8	3714.9	3505.2
22.5°	3881.6	3889.9	3898.1	3908.0	3921.2	3929.5	3936.1	3939.4	3954.3	3860.2	3596.0
25°	4040.1	4058.3	4066.5	4083.0	4096.3	4109.5	4119.4	4121.0	4145.8	4028.6	3670.3
27.5°	4251.5	4276.2	4289.4	4315.8	4329.1	4342.3	4339.0	4358.8	4393.4	4221.7	3728.1
30°	4528.8	4560.2	4568.5	4594.9	4616.3	4629.5	4644.4	4660.9	4684.0	4436.4	3756.1
32.5°	4915.2	4963.1	4974.6	4989.5	5020.8	5044.0	5053.9	5080.3	5086.9	4639.5	3747.9
35°	5445.2	5423.7	5479.8	5493.0	5537.6	5555.8	5567.3	5602.0	5575.6	4860.7	3693.4
37.5°	5924.0	5917.4	5971.8	6001.6	6059.4	6046.1	6074.2	6097.3	6003.2	5017.5	3592.7
40°	6508.4	6500.2	6576.1	6586.0	6675.2	6655.4	6666.9	6685.1	6475.4	5126.5	3409.4
42.5°	7324.1	7327.4	7408.3	7418.2	7429.7	7466.0	7406.6	7409.9	6977.3	5156.2	3107.3
45°	8398.9	8456.7	8407.1	8408.8	8405.5	8336.2	8261.9	8174.3	7499.1	5053.9	2717.6
47.5°	9440.7	9401.1	9338.3	9280.6	9232.7	9123.7	9014.7	8866.1	7949.8	4811.2	2283.4
50°	10332.3	10243.1	10187.0	10026.8	9912.9	9770.9	9619.0	9449.0	8319.6	4461.1	1877.2
52.5°	11161.1	11068.6	10859.0	10692.2	10528.7	10340.5	10163.9	9964.1	8646.5	4061.6	1566.8
55°	12538.1	12457.2	12247.5	11942.0	11740.6	11481.4	11248.6	10977.8	9308.6	3738.0	1362.1
57.5°	15742.8	15673.4	15232.6	15039.4	14773.6	14123.1	14027.3	13604.7	11083.5	3700.0	1241.6
60°	20255.1	19957.9	19591.4	19063.0	18440.6	18225.9	17747.1	17184.1	13939.8	3804.0	1144.2
62.5°	23025.5	22348.6	21810.4	21201.1	20628.2	20136.2	19612.8	19056.4	15401.0	3667.0	1023.7
65°	23233.6	22437.8	21726.2	21011.3	20367.4	19754.8	19246.3	18689.9	14925.5	3151.9	866.8
67.5°	22087.7	21249.0	20473.0	19662.4	19011.8	18458.7	17811.5	17276.6	13584.8	2453.5	721.5
70°	19725.1	18988.7	18320.0	17446.6	16906.8	16233.1	15822.0	15153.3	11841.3	1672.5	596.0
72.5°	14207.3	13652.5	13434.6	12825.4	12118.7	11722.5	11532.6	10883.7	8750.6	1038.5	487.1
75°	4799.6	4936.6	4622.9	4142.5	4376.9	4015.4	4162.3	3853.6	3701.7	596.0	409.5
77.5°	1064.9	1000.5	924.6	858.5	853.6	802.4	850.3	804.1	860.2	379.7	361.6
80°	840.4	663.7	564.7	515.1	488.7	473.9	462.3	449.1	409.5	323.6	333.5
82.5°	908.1	685.2	501.9	401.2	343.4	322.0	317.0	303.8	300.5	313.7	336.8
85°	290.6	242.7	206.4	194.8	180.0	171.7	168.4	163.5	198.1	341.8	323.6
87.5°	151.9	133.7	118.9	113.9	99.1	92.5	90.8	92.5	138.7	341.8	234.4
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):

	125°	135°	145°	155°	165°	175°	180°
0°	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6
2.5°	2719.3	2717.6	2714.3	2712.7	2711.0	2702.8	2709.4
5°	2770.5	2754.0	2739.1	2720.9	2711.0	2702.8	2702.8
7.5°	2848.1	2801.8	2763.9	2722.6	2694.5	2673.0	2669.7
10°	2945.5	2856.3	2768.8	2694.5	2641.7	2602.1	2597.1
12.5°	3037.9	2902.5	2763.9	2641.7	2559.1	2503.0	2499.7
15°	3123.8	2927.3	2725.9	2545.9	2422.1	2347.8	2339.5
17.5°	3191.5	2912.5	2640.0	2412.2	2243.8	2156.3	2151.3
20°	3206.3	2853.0	2517.9	2247.1	2068.8	1976.3	1954.8
22.5°	3193.1	2745.7	2366.0	2065.5	1860.7	1768.3	1756.7
25°	3153.5	2615.3	2177.7	1854.1	1664.3	1570.1	1547.0
27.5°	3082.5	2461.7	1974.7	1649.4	1461.2	1370.4	1347.3
30°	2976.8	2276.8	1758.4	1457.9	1263.1	1190.4	1167.3
32.5°	2829.9	2052.3	1545.4	1261.4	1099.6	1041.8	1031.9
35°	2626.8	1794.7	1322.5	1099.6	980.7	946.1	941.1
37.5°	2367.6	1537.1	1135.9	984.0	898.2	876.7	873.4
40°	2029.1	1273.0	1003.8	901.5	838.7	820.6	817.3
42.5°	1680.8	1074.8	906.4	835.4	784.2	767.7	762.8
45°	1375.3	941.1	833.8	780.9	733.1	714.9	713.3
47.5°	1147.5	863.5	774.3	731.4	683.5	662.1	663.7
50°	980.7	792.5	724.8	688.5	634.0	614.2	615.8
52.5°	866.8	721.5	678.6	637.3	591.1	571.3	571.3
55°	777.6	663.7	634.0	589.4	553.1	534.9	533.3
57.5°	705.0	617.5	591.1	554.8	518.4	497.0	497.0
60°	660.4	584.5	563.0	530.0	487.1	463.9	462.3
62.5°	634.0	574.6	556.4	510.2	462.3	439.2	434.2
65°	614.2	597.7	574.6	498.6	442.5	417.7	412.8
67.5°	615.8	652.2	619.1	505.2	435.9	399.6	392.9
70°	625.7	695.1	650.5	520.1	463.9	391.3	376.4
72.5°	576.2	629.0	586.1	495.3	452.4	376.4	358.3
75°	480.5	459.0	421.0	402.9	406.2	341.8	335.2
77.5°	389.6	341.8	305.4	320.3	341.8	292.2	285.6
80°	338.5	277.4	259.2	284.0	310.4	249.3	232.8
82.5°	317.0	234.4	222.9	295.5	325.3	214.6	188.2
85°	279.0	191.5	175.0	348.4	325.3	161.8	150.2
87.5°	186.6	113.9	109.0	255.9	222.9	112.3	90.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)