

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: P158193

Luminaire Tested: **VTS-F12-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158193
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-F12-LED-E1-SL2-8030
Description: VENTUS LED SITE LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

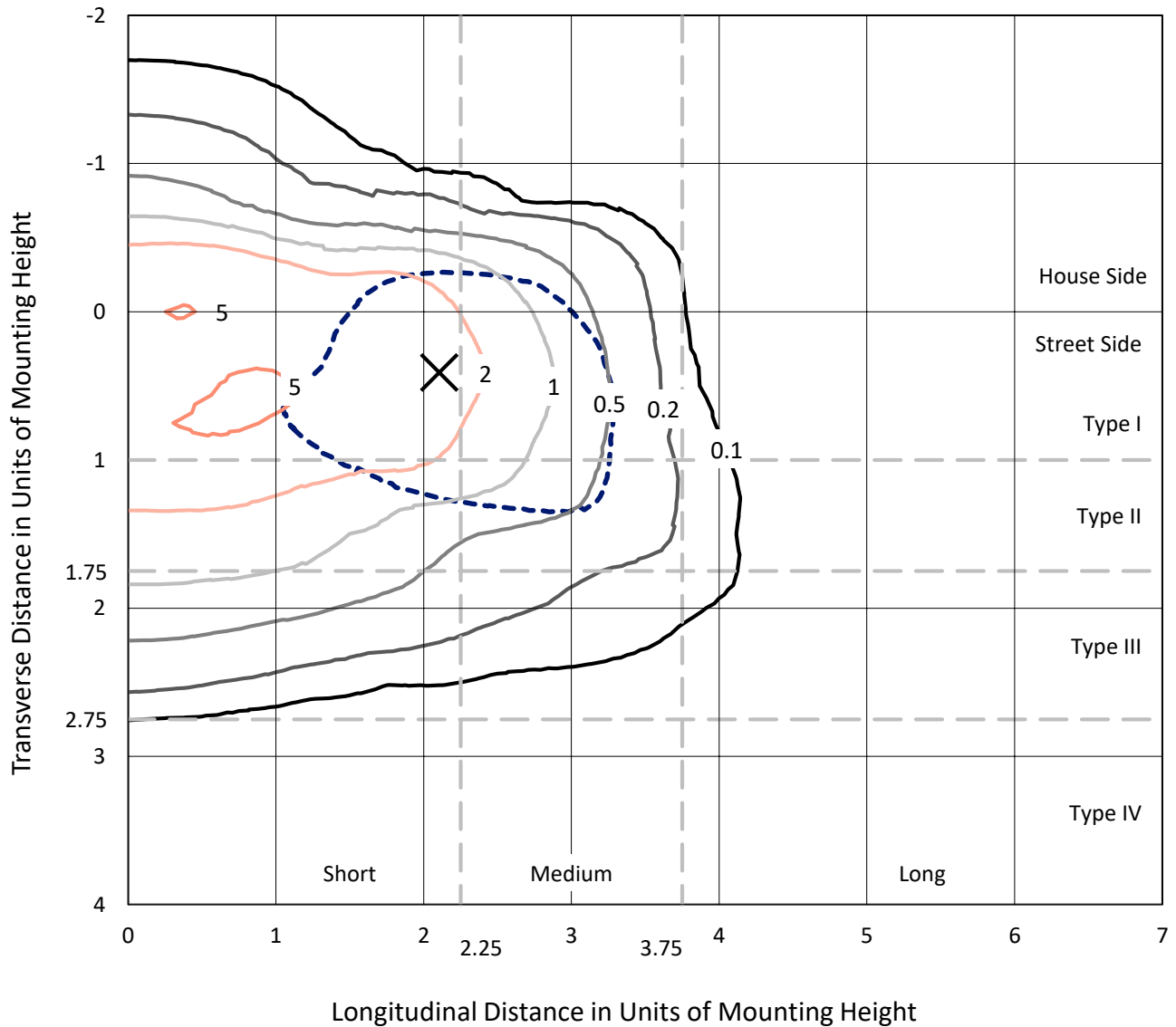
Lumens per Lamp: N/A
Luminaire Lumens: 25155.8 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 306.6
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

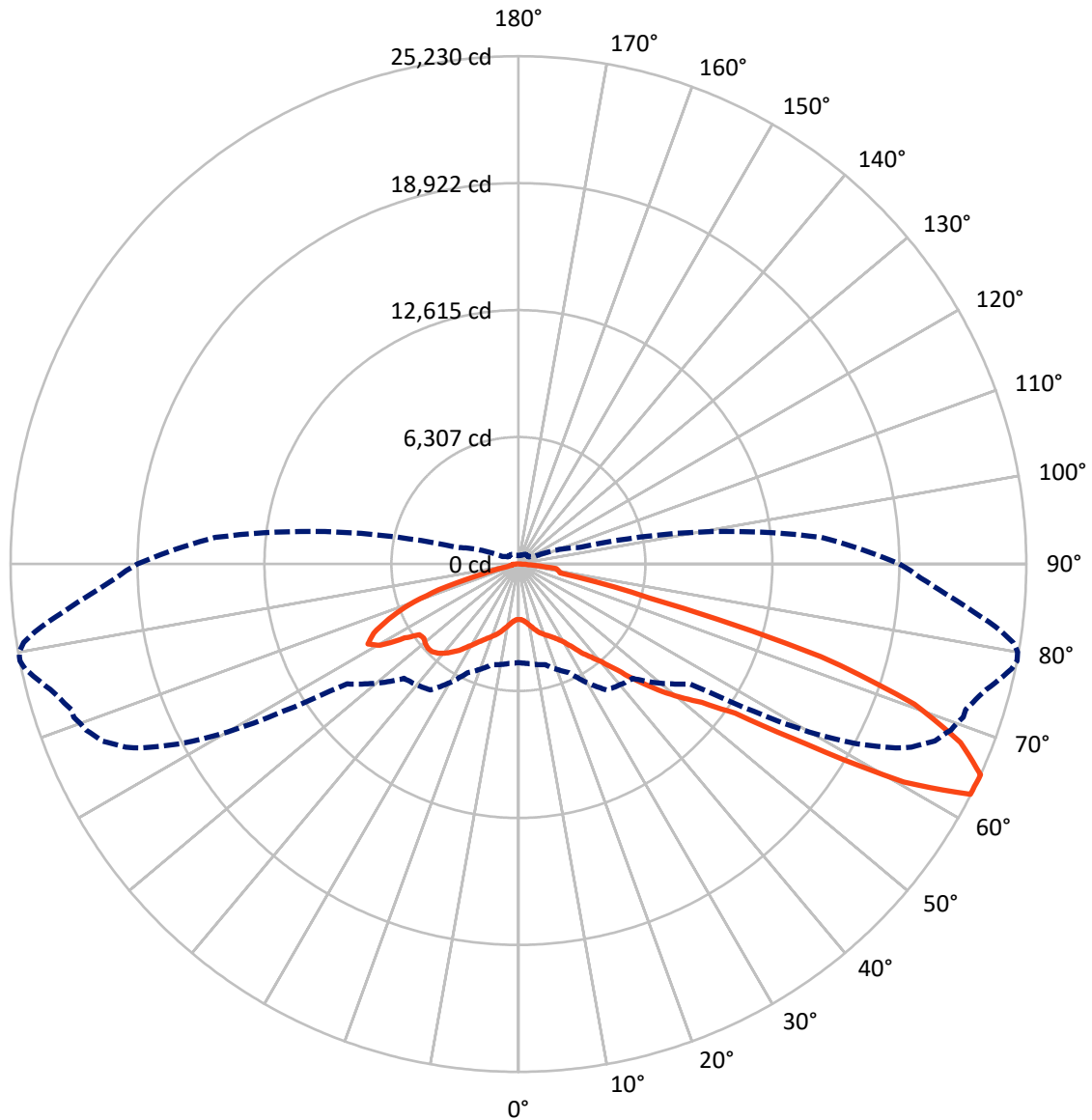
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	5780.3	0.0	5780.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19375.4	0.0	19375.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	25155.8	0.0	25155.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	1.1
10°-20°	884.4	3.5
20°-30°	1524.7	6.1
30°-40°	2497.4	9.9
40°-50°	4182.2	16.6
50°-60°	5657.1	22.5
60°-70°	6966.7	27.7
70°-80°	2696.7	10.7
80°-90°	474.2	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°	25155.8	100.0
0°-180°	25155.8	100.0



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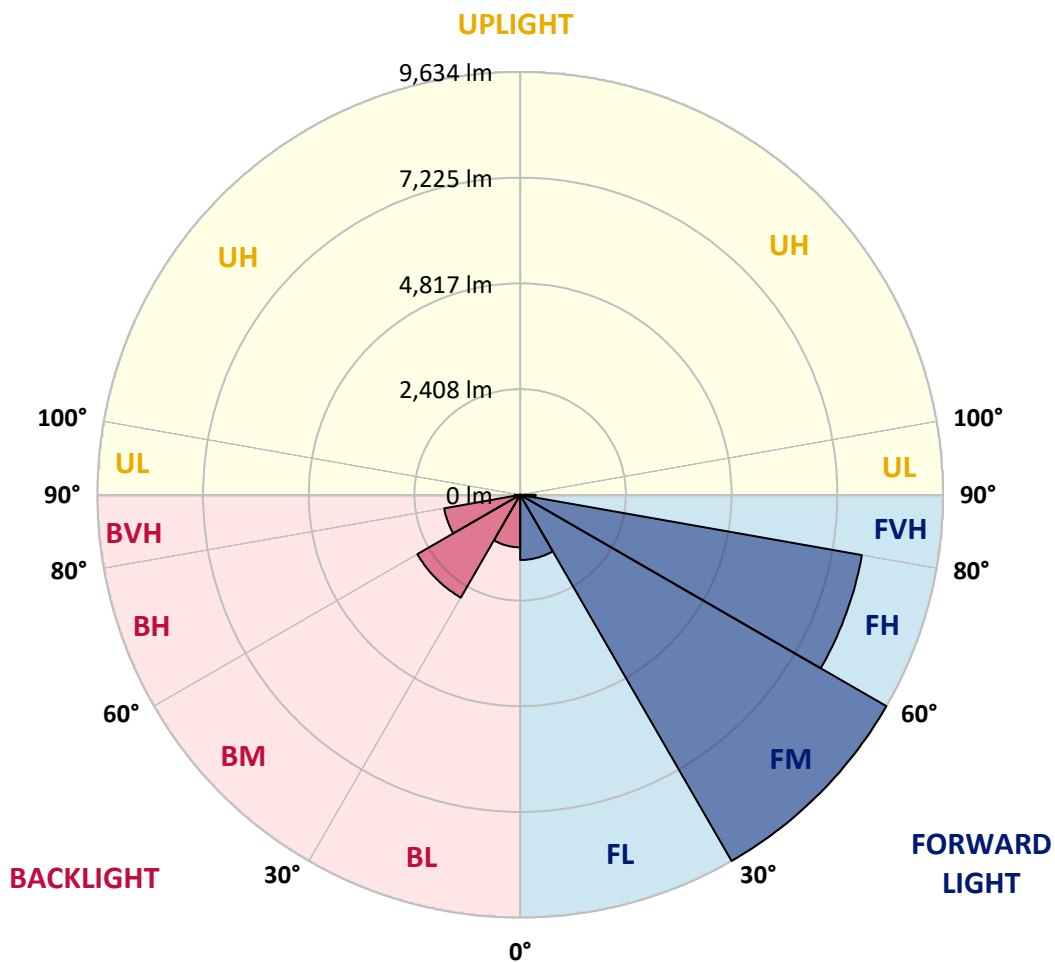
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1485.1	5.9			
FM	(30°-60°)	9633.6	38.3			
FH	(60°-80°)	7904.8	31.4			G4/12000
FVH	(80°-90°)	351.9	1.4			G3/500
BL	(0°-30°)	1196.3	4.8	B3/2500		
BM	(30°-60°)	2703.1	10.7	B3/5000		
BH	(60°-80°)	1758.6	7.0	B3/2500		G3/2500
BVH	(80°-90°)	122.3	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°	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4
2.5°	2757.4	2749.0	2757.4	2764.1	2769.1	2775.8	2774.1	2772.5	2770.8	2772.5	2772.5
5°	2780.8	2779.1	2787.5	2794.2	2805.9	2814.3	2824.3	2824.3	2824.3	2822.6	2826.0
7.5°	2856.1	2854.4	2862.7	2869.4	2879.5	2896.2	2909.6	2916.3	2914.6	2914.6	2914.6
10°	2979.8	2973.1	2973.1	2973.1	2986.5	2998.2	3028.3	3031.6	3038.3	3035.0	3036.7
12.5°	3100.2	3101.9	3096.9	3091.8	3093.5	3116.9	3160.4	3168.8	3170.4	3175.4	3178.8
15°	3208.9	3207.2	3195.5	3183.8	3198.9	3239.0	3295.8	3310.9	3310.9	3320.9	3327.6
17.5°	3309.2	3305.9	3284.1	3264.1	3279.1	3347.7	3436.3	3446.3	3461.4	3466.4	3473.1
20°	3427.9	3421.3	3396.2	3342.7	3342.7	3436.3	3553.4	3563.4	3576.8	3580.1	3591.8
22.5°	3593.5	3576.8	3523.3	3426.3	3399.5	3508.2	3652.0	3657.0	3667.1	3680.4	3690.5
25°	3780.8	3784.1	3697.2	3528.3	3469.7	3583.5	3747.3	3755.7	3774.1	3784.1	3795.8
27.5°	3974.7	3979.8	3882.8	3672.1	3573.4	3687.1	3876.1	3886.1	3907.9	3919.6	3937.9
30°	4195.5	4202.2	4108.5	3896.1	3745.7	3839.3	4066.7	4093.5	4111.9	4126.9	4157.0
32.5°	4725.5	4685.4	4620.2	4394.5	4157.0	4150.3	4374.4	4404.5	4429.6	4461.3	4489.8
35°	5392.7	5417.8	5451.3	5299.1	5090.1	4937.9	4956.3	4939.6	4963.0	5009.8	5038.2
37.5°	5921.1	5976.3	6121.8	6220.5	6212.1	6182.0	5901.1	5901.1	5916.1	5891.0	5887.7
40°	6335.8	6370.9	6668.6	7051.5	7374.2	7533.1	7310.7	7278.9	7295.7	7166.9	7171.9
42.5°	6549.9	6601.7	7029.8	7702.0	8342.4	8852.4	8783.9	8762.1	8712.0	8680.2	8660.1
45°	6658.6	6720.4	7230.4	8153.5	9086.5	9874.1	10228.6	10225.3	10180.1	10143.4	10126.6
47.5°	6603.4	6656.9	7200.3	8290.6	9477.8	10533.0	11317.2	11365.7	11352.3	11405.8	11427.6
50°	6242.2	6310.8	6855.9	7994.6	9314.0	10792.2	12071.4	12161.7	12283.7	12360.6	12462.6
52.5°	5916.1	5973.0	6464.6	7514.7	8775.5	10581.5	12526.2	12711.8	12879.0	13036.2	13158.3
55°	5575.0	5631.9	6063.3	7016.4	8232.1	9959.4	12733.5	13004.4	13265.3	13531.2	13775.3
57.5°	5446.2	5506.4	5827.5	6630.1	7787.3	9342.4	12835.5	13280.3	13705.1	14156.6	14624.8
60°	5780.7	5834.2	6078.3	6640.2	7447.8	8725.4	12629.9	13328.8	14059.6	14803.7	15522.7
62.5°	5678.7	5707.1	6011.4	6882.6	7880.9	8116.7	11738.6	12661.6	13723.5	14813.7	15915.7
65°	4899.4	4954.6	5183.7	5949.6	7638.5	8034.8	10380.8	11308.9	12561.3	13850.5	15327.1
67.5°	3514.9	3438.0	3615.2	4285.8	5926.2	8021.4	8852.4	9539.7	10521.3	11509.5	12720.2
70°	1596.9	1560.1	1698.9	2229.0	3575.1	6339.2	7484.6	7717.0	8081.6	8747.1	9564.8
72.5°	630.4	628.7	719.0	921.4	1690.6	4080.1	6294.0	6427.8	6556.6	6845.8	7198.7
75°	413.0	413.0	439.8	496.6	832.7	1969.8	5324.2	5446.2	5643.6	5725.5	5876.0
77.5°	311.0	312.7	324.4	337.8	459.8	1036.7	3757.4	4190.4	4524.9	4774.0	4956.3
80°	220.7	230.8	252.5	260.9	299.3	590.3	2123.6	2436.3	2814.3	3217.2	3723.9
82.5°	165.5	177.2	214.0	224.1	237.4	336.1	958.2	1086.9	1269.2	1645.4	2366.1
85°	76.9	85.3	147.2	160.5	172.2	194.0	486.6	543.5	617.0	675.6	787.6
87.5°	11.7	8.4	25.1	35.1	55.2	56.9	167.2	199.0	215.7	259.2	269.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4
2.5°	2772.5	2774.1	2775.8	2772.5	2774.1	2774.1	2770.8	2769.1	2769.1	2769.1	2770.8
5°	2826.0	2829.3	2826.0	2827.6	2834.3	2832.6	2829.3	2827.6	2834.3	2836.0	2831.0
7.5°	2921.3	2922.9	2916.3	2924.6	2928.0	2929.6	2929.6	2933.0	2933.0	2938.0	2933.0
10°	3043.3	3043.3	3055.0	3053.4	3055.0	3058.4	3060.1	3066.8	3071.8	3071.8	3075.1
12.5°	3183.8	3185.5	3197.2	3198.9	3205.5	3207.2	3217.2	3210.6	3227.3	3227.3	3232.3
15°	3329.3	3341.0	3342.7	3359.4	3362.7	3364.4	3377.8	3377.8	3389.5	3391.2	3394.5
17.5°	3473.1	3483.1	3489.8	3503.2	3514.9	3519.9	3524.9	3535.0	3543.3	3546.7	3555.0
20°	3596.8	3606.9	3613.5	3626.9	3637.0	3645.3	3650.3	3662.0	3670.4	3673.7	3685.5
22.5°	3700.5	3707.2	3718.9	3737.3	3740.6	3750.7	3765.7	3774.1	3777.4	3787.5	3800.8
25°	3810.9	3820.9	3827.6	3844.3	3857.7	3874.4	3887.8	3901.2	3904.5	3917.9	3929.6
27.5°	3958.0	3968.0	3969.7	4003.2	4016.5	4040.0	4055.0	4075.1	4085.1	4096.8	4120.2
30°	4175.4	4198.8	4208.8	4247.3	4254.0	4280.7	4307.5	4314.2	4329.2	4330.9	4369.4
32.5°	4508.2	4541.6	4555.0	4595.1	4605.1	4630.2	4645.3	4680.4	4682.1	4698.8	4707.1
35°	5053.3	5044.9	5096.8	5106.8	5136.9	5158.6	5173.7	5173.7	5205.5	5207.1	5217.2
37.5°	5797.4	5780.7	5794.1	5733.9	5748.9	5722.1	5717.1	5723.8	5710.4	5713.8	5712.1
40°	6988.0	6912.7	6834.1	6648.5	6608.4	6531.5	6471.3	6422.8	6376.0	6325.8	6292.4
42.5°	8481.2	8372.5	8255.5	7957.8	7819.0	7670.2	7524.7	7441.1	7273.9	7171.9	7116.7
45°	10046.4	9919.3	9755.4	9507.9	9310.6	9151.8	8885.9	8760.5	8501.3	8372.5	8198.6
47.5°	11328.9	11330.6	11198.5	10947.7	10737.0	10631.6	10466.1	10223.6	9929.3	9763.8	9454.4
50°	12450.9	12449.3	12440.9	12290.4	12143.3	12027.9	11882.4	11663.4	11422.6	11235.3	10880.8
52.5°	13280.3	13390.7	13437.5	13435.8	13417.5	13363.9	13253.6	13064.6	12820.5	12715.1	12432.5
55°	13965.9	14206.7	14332.1	14606.4	14631.4	14720.1	14623.1	14624.8	14481.0	14491.0	14400.7
57.5°	15004.3	15444.1	15696.6	16303.6	16607.9	16975.8	16910.6	17218.3	17330.3	17472.5	17661.4
60°	16183.2	17004.2	17602.9	18810.2	19301.8	19897.1	20224.8	20574.3	20828.5	21089.3	21281.6
62.5°	17026.0	18104.5	19087.8	20808.4	21447.2	22074.3	22487.3	22910.3	23196.3	23383.6	23522.3
65°	16681.5	17873.8	19035.9	20840.2	21535.8	21990.6	22482.3	22726.4	23012.3	23167.9	23366.8
67.5°	14174.9	15370.5	16616.3	18745.0	19472.4	20101.1	20484.0	20800.1	21030.8	21228.1	21457.2
70°	10541.3	11849.0	13136.5	15470.9	16388.9	17296.9	17748.4	18139.6	18380.4	18579.4	18831.9
72.5°	7586.6	8406.0	9210.3	11823.9	12741.9	13915.8	14384.0	14818.7	15131.4	15121.4	15388.9
75°	6039.9	6372.6	6730.5	8079.9	8738.7	9728.7	9991.2	10235.3	10088.2	9805.6	9788.9
77.5°	5028.2	5165.3	5285.7	5708.8	5805.8	6041.5	5911.1	5775.7	5339.2	4971.3	4777.4
80°	4081.8	4352.6	4529.9	4830.9	4954.6	5024.9	5043.3	4996.4	4835.9	4613.5	4259.0
82.5°	3035.0	3550.0	3901.2	4493.1	4710.5	4755.6	4842.6	4789.1	4683.7	4503.1	4249.0
85°	889.6	1006.6	1153.8	1565.1	1834.4	2063.5	2297.6	2412.9	2484.8	2384.5	2122.0
87.5°	312.7	352.8	394.6	543.5	578.6	699.0	685.6	809.3	814.3	849.5	812.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4
2.5°	2769.1	2769.1	2769.1	2770.8	2770.8	2770.8	2767.4	2765.8	2767.4	2770.8	2770.8
5°	2834.3	2836.0	2839.3	2832.6	2834.3	2839.3	2836.0	2834.3	2836.0	2839.3	2836.0
7.5°	2939.7	2941.3	2938.0	2944.7	2944.7	2948.0	2953.0	2948.0	2949.7	2951.4	2953.0
10°	3076.8	3078.5	3081.8	3086.8	3088.5	3091.8	3095.2	3100.2	3100.2	3096.9	3105.2
12.5°	3240.7	3239.0	3242.3	3249.0	3252.4	3257.4	3267.4	3267.4	3274.1	3272.4	3280.8
15°	3401.2	3409.5	3411.2	3422.9	3427.9	3436.3	3448.0	3454.7	3454.7	3464.7	3468.1
17.5°	3561.7	3568.4	3575.1	3585.1	3591.8	3596.8	3610.2	3618.6	3616.9	3635.3	3635.3
20°	3685.5	3698.8	3707.2	3713.9	3725.6	3733.9	3744.0	3754.0	3760.7	3772.4	3775.7
22.5°	3805.8	3814.2	3825.9	3834.3	3847.7	3857.7	3869.4	3877.8	3889.5	3904.5	3909.5
25°	3939.6	3953.0	3966.4	3978.1	3988.1	3999.8	4019.9	4038.3	4055.0	4068.4	4073.4
27.5°	4125.2	4140.3	4160.3	4168.7	4183.8	4193.8	4223.9	4247.3	4255.7	4279.1	4285.8
30°	4376.1	4392.8	4412.8	4422.9	4449.6	4463.0	4494.8	4519.9	4528.2	4556.7	4561.7
32.5°	4738.9	4748.9	4789.1	4787.4	4824.2	4862.7	4881.1	4901.1	4937.9	4953.0	4958.0
35°	5242.2	5265.6	5294.1	5292.4	5339.2	5361.0	5397.7	5419.5	5446.2	5444.6	5473.0
37.5°	5728.8	5737.2	5747.2	5769.0	5802.4	5832.5	5845.9	5867.6	5887.7	5917.8	5954.6
40°	6258.9	6279.0	6280.7	6292.4	6309.1	6347.5	6372.6	6396.0	6464.6	6508.1	6529.8
42.5°	7053.2	7048.2	7014.7	7036.5	7046.5	7105.0	7123.4	7195.3	7272.2	7364.2	7389.3
45°	8074.9	8008.0	7987.9	7979.6	8033.1	8063.2	8138.4	8272.2	8352.5	8439.4	8481.2
47.5°	9332.4	9123.3	9024.7	9002.9	9058.1	9186.9	9212.0	9344.1	9449.4	9512.9	9554.8
50°	10591.5	10427.6	10220.3	10150.0	10135.0	10253.7	10282.1	10392.5	10499.5	10517.9	10496.2
52.5°	12173.4	11905.8	11563.0	11439.3	11340.6	11349.0	11372.4	11419.2	11487.8	11459.3	11400.8
55°	14196.7	13892.3	13723.5	13489.4	13340.5	13313.8	13211.8	13071.3	13066.3	13084.7	12909.1
57.5°	17566.1	17439.0	17510.9	17485.8	17338.7	17427.3	16967.5	16837.0	16733.4	16552.8	16390.6
60°	21452.2	21582.6	21731.5	22074.3	22059.2	22403.7	22084.3	22004.0	21907.0	21350.2	21077.6
62.5°	23764.8	23816.7	24035.7	24355.1	24669.5	24998.9	25147.7	25199.5	24997.2	24542.4	23973.8
65°	23361.8	23590.9	23803.3	24079.2	24401.9	24731.3	25045.7	25229.6	25182.8	24881.8	24256.4
67.5°	21530.8	21771.6	22082.6	22371.9	22719.7	23005.7	23350.1	23687.9	23697.9	23547.4	23112.7
70°	18858.7	19137.9	19459.0	19621.2	19997.4	20256.6	20542.6	20877.0	20985.7	21004.1	20497.4
72.5°	15332.1	15449.1	15606.3	15521.0	15596.3	15761.8	15684.9	15711.7	15298.6	15375.6	14750.2
75°	9337.4	9230.4	8755.5	8322.4	7794.0	7387.6	7484.6	6708.7	5944.5	5906.1	5354.3
77.5°	4735.6	4565.0	4270.7	3964.7	3516.6	3003.2	2575.1	2113.6	1724.0	1501.6	1289.2
80°	4033.3	3912.9	3750.7	3528.3	3202.2	2822.6	2376.1	2025.0	1698.9	1359.5	1088.6
82.5°	3859.4	3491.5	3255.7	3070.1	2717.3	2366.1	2122.0	1881.2	1650.4	1441.4	1142.1
85°	1914.6	1693.9	1433.0	1270.8	978.2	765.9	717.4	590.3	550.1	424.7	357.8
87.5°	643.8	526.7	393.0	331.1	264.2	215.7	212.4	189.0	187.3	170.6	157.2
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°	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4
2.5°	2769.1	2772.5	2772.5	2769.1	2770.8	2767.4	2769.1	2770.8	2765.8	2764.1	2759.1
5°	2837.7	2836.0	2836.0	2837.7	2842.7	2844.4	2836.0	2839.3	2841.0	2832.6	2814.3
7.5°	2951.4	2951.4	2956.4	2954.7	2964.7	2961.4	2959.7	2959.7	2959.7	2943.0	2912.9
10°	3105.2	3105.2	3110.2	3116.9	3118.6	3115.2	3115.2	3116.9	3125.3	3091.8	3045.0
12.5°	3277.4	3285.8	3284.1	3284.1	3304.2	3299.2	3292.5	3299.2	3307.5	3260.7	3193.8
15°	3469.7	3474.8	3478.1	3489.8	3486.5	3498.2	3501.5	3498.2	3506.5	3446.3	3334.3
17.5°	3643.6	3653.7	3657.0	3670.4	3670.4	3672.1	3685.5	3680.4	3682.1	3613.5	3453.0
20°	3787.5	3797.5	3802.5	3817.6	3820.9	3827.6	3832.6	3835.9	3844.3	3762.4	3550.0
22.5°	3931.3	3939.6	3948.0	3958.0	3971.4	3979.8	3986.4	3989.8	4004.8	3909.5	3642.0
25°	4091.8	4110.2	4118.5	4135.3	4148.6	4162.0	4172.1	4173.7	4198.8	4080.1	3717.2
27.5°	4305.8	4330.9	4344.3	4371.0	4384.4	4397.8	4394.5	4414.5	4449.6	4275.7	3775.7
30°	4586.7	4618.5	4626.9	4653.6	4675.4	4688.8	4703.8	4720.5	4743.9	4493.1	3804.2
32.5°	4978.0	5026.5	5038.2	5053.3	5085.1	5108.5	5118.5	5145.3	5151.9	4698.8	3795.8
35°	5514.8	5493.1	5549.9	5563.3	5608.4	5626.8	5638.5	5673.7	5646.9	4922.9	3740.6
37.5°	5999.7	5993.0	6048.2	6078.3	6136.8	6123.5	6151.9	6175.3	6080.0	5081.7	3638.6
40°	6591.7	6583.3	6660.2	6670.3	6760.6	6740.5	6752.2	6770.6	6558.2	5192.1	3453.0
42.5°	7417.7	7421.1	7503.0	7513.0	7524.7	7561.5	7501.3	7504.7	7066.6	5222.2	3147.0
45°	8506.3	8564.8	8514.7	8516.3	8513.0	8442.8	8367.5	8278.9	7595.0	5118.5	2752.4
47.5°	9561.4	9521.3	9457.8	9399.2	9350.7	9240.4	9130.0	8979.5	8051.5	4872.7	2312.6
50°	10464.4	10374.1	10317.3	10155.1	10039.7	9895.9	9742.0	9569.8	8426.0	4518.2	1901.3
52.5°	11303.8	11210.2	10997.8	10828.9	10663.4	10472.8	10293.8	10091.5	8757.1	4113.5	1586.9
55°	12698.4	12616.5	12404.1	12094.8	11890.8	11628.2	11392.5	11118.2	9427.7	3785.8	1379.5
57.5°	15944.1	15873.9	15427.4	15231.8	14962.5	14303.7	14206.7	13778.6	11225.2	3747.3	1257.5
60°	20514.1	20213.1	19841.9	19306.8	18676.4	18459.0	17974.1	17403.9	14118.1	3852.7	1158.8
62.5°	23320.0	22634.4	22089.3	21472.3	20892.0	20393.7	19863.7	19300.1	15598.0	3713.9	1036.7
65°	23530.7	22724.7	22004.0	21280.0	20627.8	20007.5	19492.4	18928.9	15116.4	3192.2	877.9
67.5°	22370.2	21520.8	20734.8	19913.8	19255.0	18694.8	18039.3	17497.5	13758.6	2484.8	730.7
70°	19977.4	19231.6	18554.3	17669.8	17123.0	16440.7	16024.4	15347.1	11992.8	1693.9	603.7
72.5°	14389.0	13827.1	13606.4	12989.4	12273.7	11872.4	11680.1	11022.9	8862.5	1051.8	493.3
75°	4861.0	4999.8	4682.1	4195.5	4432.9	4066.7	4215.5	3902.8	3749.0	603.7	414.7
77.5°	1078.5	1013.3	936.4	869.5	864.5	812.7	861.2	814.3	871.2	384.6	366.2
80°	851.1	672.2	571.9	521.7	495.0	479.9	468.2	454.8	414.7	327.7	337.8
82.5°	919.7	693.9	508.3	406.3	347.8	326.1	321.1	307.7	304.3	317.7	341.1
85°	294.3	245.8	209.0	197.3	182.3	173.9	170.6	165.5	200.7	346.1	327.7
87.5°	153.8	135.4	120.4	115.4	100.3	93.6	92.0	93.6	140.5	346.1	237.4
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°	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4	2752.4
2.5°	2754.1	2752.4	2749.0	2747.4	2745.7	2737.3	2744.0
5°	2805.9	2789.2	2774.1	2755.7	2745.7	2737.3	2737.3
7.5°	2884.5	2837.7	2799.2	2757.4	2729.0	2707.2	2703.9
10°	2983.1	2892.8	2804.2	2729.0	2675.5	2635.3	2630.3
12.5°	3076.8	2939.7	2799.2	2675.5	2591.9	2535.0	2531.7
15°	3163.7	2964.7	2760.7	2578.5	2453.1	2377.8	2369.5
17.5°	3232.3	2949.7	2673.8	2443.0	2272.5	2183.8	2178.8
20°	3247.3	2889.5	2550.1	2275.8	2095.2	2001.6	1979.8
22.5°	3234.0	2780.8	2396.2	2091.9	1884.5	1790.9	1779.2
25°	3193.8	2648.7	2205.6	1877.8	1685.5	1590.2	1566.8
27.5°	3121.9	2493.2	1999.9	1670.5	1479.9	1387.9	1364.5
30°	3014.9	2305.9	1780.9	1476.5	1279.2	1205.6	1182.2
32.5°	2866.1	2078.5	1565.1	1277.5	1113.7	1055.1	1045.1
35°	2660.4	1817.6	1339.4	1113.7	993.3	958.2	953.1
37.5°	2397.9	1556.8	1150.4	996.6	909.7	887.9	884.6
40°	2055.1	1289.2	1016.7	913.0	849.5	831.1	827.7
42.5°	1702.3	1088.6	918.0	846.1	794.3	777.6	772.5
45°	1392.9	953.1	844.4	790.9	742.4	724.0	722.4
47.5°	1162.2	874.5	784.2	740.8	692.3	670.5	672.2
50°	993.3	802.6	734.1	697.3	642.1	622.0	623.7
52.5°	877.9	730.7	687.3	645.5	598.6	578.6	578.6
55°	787.6	672.2	642.1	597.0	560.2	541.8	540.1
57.5°	714.0	625.4	598.6	561.8	525.1	503.3	503.3
60°	668.9	591.9	570.2	536.8	493.3	469.9	468.2
62.5°	642.1	581.9	563.5	516.7	468.2	444.8	439.8
65°	622.0	605.3	581.9	505.0	448.1	423.1	418.0
67.5°	623.7	660.5	627.1	511.7	441.5	404.7	398.0
70°	633.8	704.0	658.8	526.7	469.9	396.3	381.3
72.5°	583.6	637.1	593.6	501.6	458.2	381.3	362.9
75°	486.6	464.9	426.4	408.0	411.4	346.1	339.4
77.5°	394.6	346.1	309.4	324.4	346.1	296.0	289.3
80°	342.8	280.9	262.5	287.6	314.4	252.5	235.8
82.5°	321.1	237.4	225.7	299.3	329.4	217.4	190.6
85°	282.6	194.0	177.2	352.8	329.4	163.9	152.2
87.5°	189.0	115.4	110.4	259.2	225.7	113.7	92.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)