

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: STREETWORKS

Report Number: P158304

Luminaire Tested: **VST-F12-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158304
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: STREETWORKS
Catalog Number: VST-F12-LED-E-U-SL2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27223.1 lumens
Efficiency: N/A
Efficacy: 88.8 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: 28.75 FT



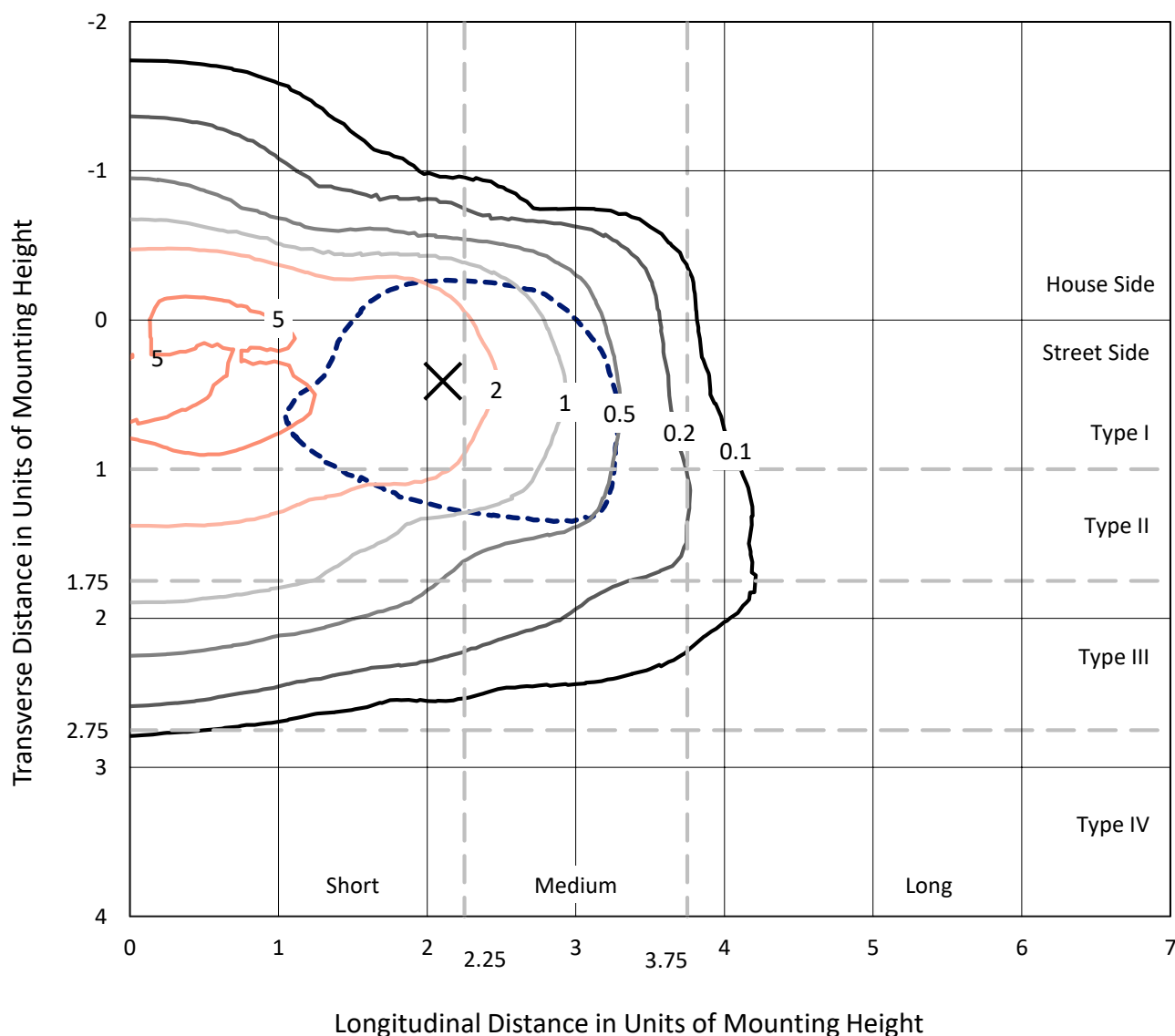
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

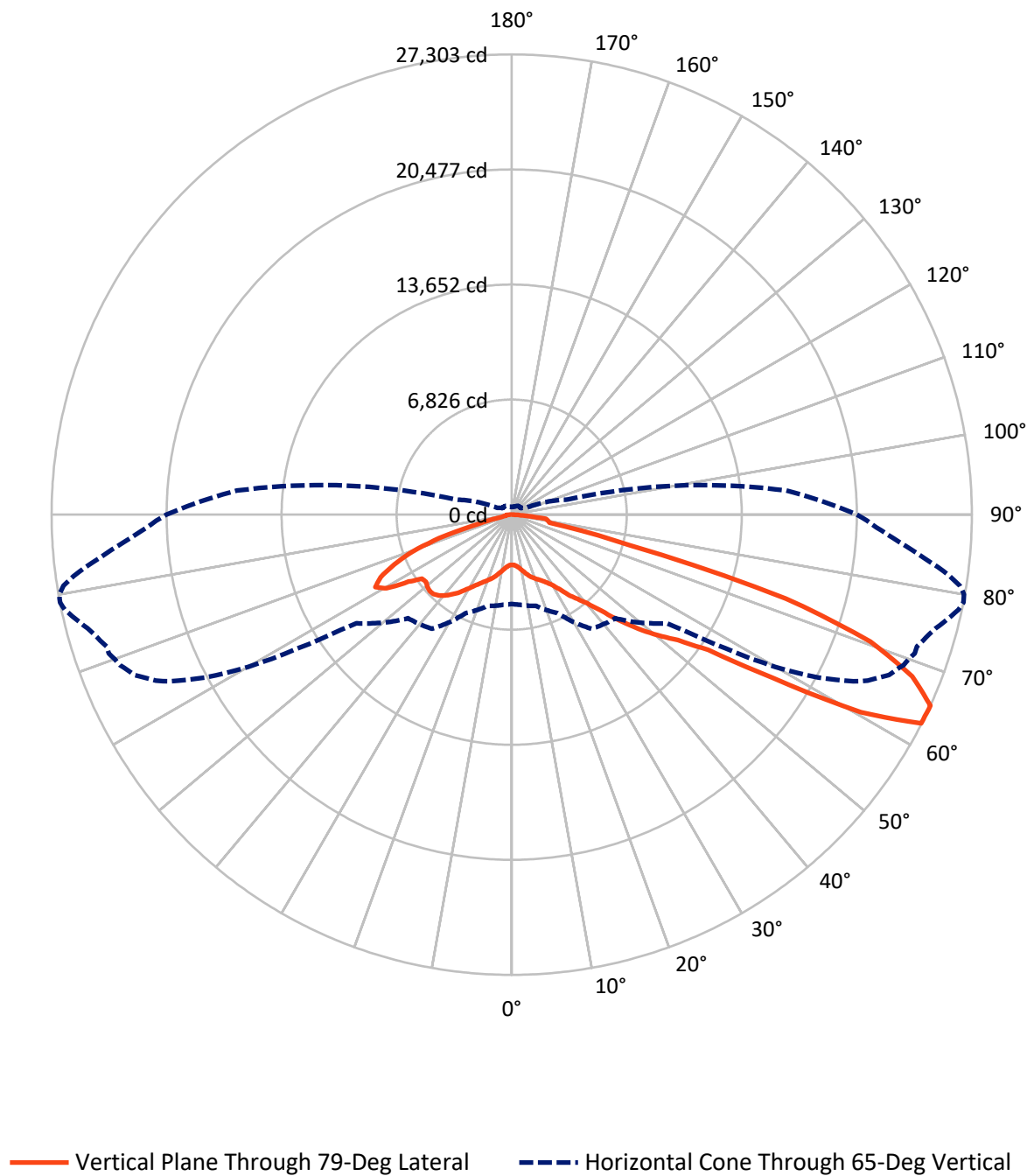


Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6255.4	0.0	6255.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	20967.7	0.0	20967.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	27223.1	0.0	27223.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.7	1.1
10°-20°	957.1	3.5
20°-30°	1650.0	6.1
30°-40°	2702.6	9.9
40°-50°	4525.9	16.6
50°-60°	6122.0	22.5
60°-70°	7539.2	27.7
70°-80°	2918.4	10.7
80°-90°	513.2	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°	27223.1	100.0
0°-180°	27223.1	100.0

Coefficient of Utilization



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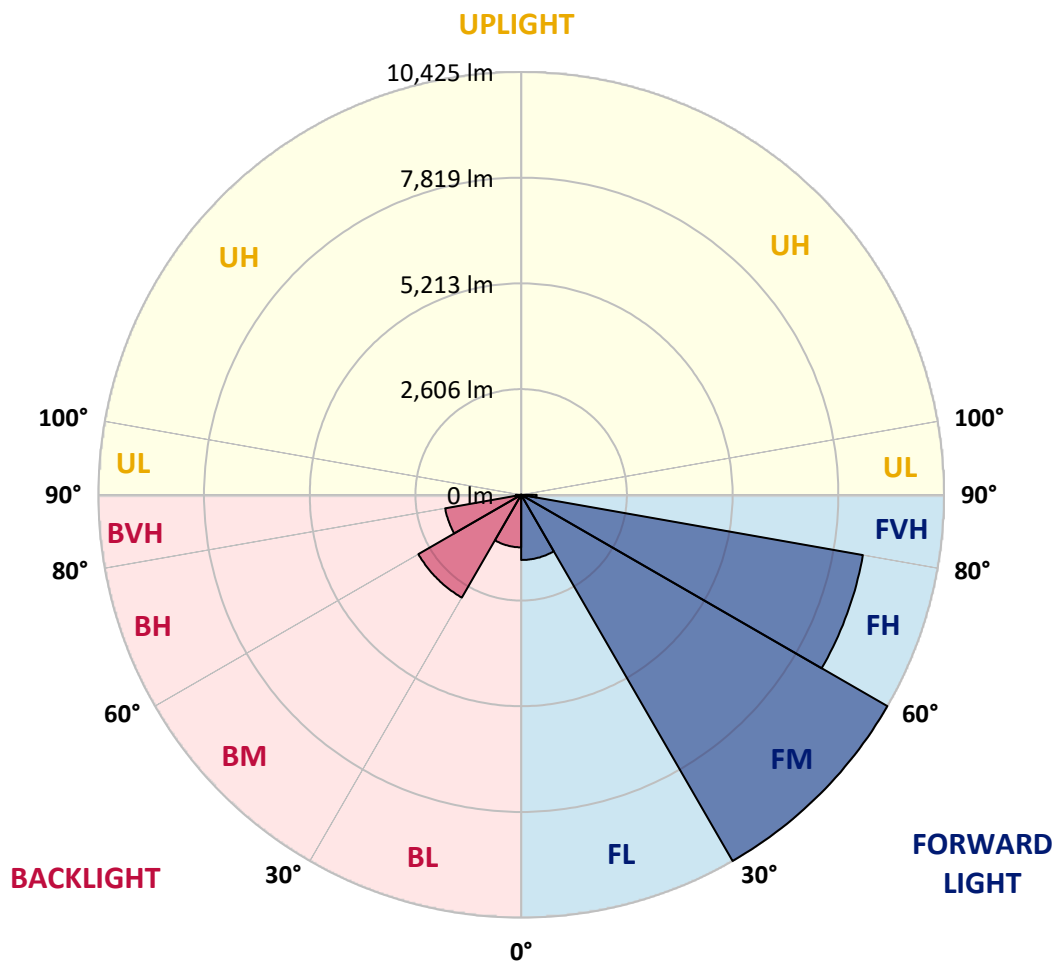
CATALOG NUMBER: VST-F12-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1607.2	5.9			
FM	(30°-60°)	10425.3	38.3			
FH	(60°-80°)	8554.5	31.4			G4/12000
FVH	(80°-90°)	380.8	1.4			G3/500
BL	(0°-30°)	1294.6	4.8	B3/2500		
BM	(30°-60°)	2925.3	10.7	B3/5000		
BH	(60°-80°)	1903.1	7.0	B3/2500		G3/2500
BVH	(80°-90°)	132.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6
2.5°	2984.0	2975.0	2984.0	2991.2	2996.7	3003.9	3002.1	3000.3	2998.5	3000.3	3000.3
5°	3009.3	3007.5	3016.6	3023.8	3036.5	3045.5	3056.4	3056.4	3056.4	3054.6	3058.2
7.5°	3090.8	3089.0	3098.0	3105.2	3116.1	3134.2	3148.7	3155.9	3154.1	3154.1	3154.1
10°	3224.7	3217.4	3217.4	3217.4	3231.9	3244.6	3277.2	3280.8	3288.0	3284.4	3286.2
12.5°	3355.0	3356.8	3351.4	3345.9	3347.7	3373.1	3420.1	3429.2	3431.0	3436.4	3440.0
15°	3472.6	3470.8	3458.1	3445.4	3461.7	3505.2	3566.7	3583.0	3583.0	3593.8	3601.1
17.5°	3581.2	3577.5	3554.0	3532.3	3548.6	3622.8	3718.7	3729.6	3745.8	3751.3	3758.5
20°	3709.6	3702.4	3675.3	3617.4	3617.4	3718.7	3845.4	3856.2	3870.7	3874.3	3887.0
22.5°	3888.8	3870.7	3812.8	3707.8	3678.9	3796.5	3952.1	3957.6	3968.4	3982.9	3993.8
25°	4091.5	4095.1	4001.0	3818.2	3754.9	3877.9	4055.3	4064.3	4084.2	4095.1	4107.8
27.5°	4301.4	4306.8	4201.9	3973.8	3867.1	3990.1	4194.6	4205.5	4229.0	4241.7	4261.6
30°	4540.2	4547.5	4446.1	4216.3	4053.5	4154.8	4400.9	4429.9	4449.8	4466.1	4498.6
32.5°	5113.9	5070.5	4999.9	4755.6	4498.6	4491.4	4733.9	4766.4	4793.6	4828.0	4858.7
35°	5835.9	5863.1	5899.2	5734.6	5508.4	5343.7	5363.6	5345.5	5370.8	5421.5	5452.3
37.5°	6407.7	6467.5	6624.9	6731.7	6722.6	6690.0	6386.0	6386.0	6402.3	6375.2	6371.5
40°	6856.5	6894.5	7216.6	7631.0	7980.3	8152.2	7911.5	7877.1	7895.2	7755.9	7761.3
42.5°	7088.1	7144.2	7607.5	8334.9	9028.0	9579.9	9505.7	9482.2	9427.9	9393.6	9371.8
45°	7205.8	7272.7	7824.6	8823.5	9833.3	10685.6	11069.2	11065.6	11016.7	10976.9	10958.8
47.5°	7146.0	7204.0	7792.1	8971.9	10256.7	11398.6	12247.3	12299.7	12285.3	12343.2	12366.7
50°	6755.2	6829.4	7419.3	8651.6	10079.4	11679.1	13063.4	13161.1	13293.2	13376.4	13486.8
52.5°	6402.3	6463.8	6995.9	8132.3	9496.7	11451.0	13555.6	13756.5	13937.4	14107.5	14239.6
55°	6033.2	6094.7	6561.6	7593.0	8908.6	10777.9	13780.0	14073.1	14355.4	14643.2	14907.4
57.5°	5893.8	5959.0	6306.4	7175.0	8427.2	10110.1	13890.4	14371.7	14831.4	15319.9	15826.6
60°	6255.7	6313.6	6577.8	7185.9	8059.9	9442.4	13667.8	14424.2	15215.0	16020.3	16798.4
62.5°	6145.3	6176.1	6505.5	7448.2	8528.6	8783.7	12703.3	13702.2	14851.3	16031.1	17223.6
65°	5302.1	5361.8	5609.7	6438.5	8266.2	8695.1	11233.9	12238.2	13593.6	14988.8	16586.6
67.5°	3803.7	3720.5	3912.3	4638.0	6413.2	8680.6	9579.9	10323.7	11385.9	12455.4	13765.5
70°	1728.2	1688.3	1838.5	2412.2	3868.9	6860.1	8099.7	8351.2	8745.7	9465.9	10350.8
72.5°	682.2	680.4	778.1	997.1	1829.5	4415.4	6811.3	6956.0	7095.4	7408.4	7790.3
75°	447.0	447.0	475.9	537.4	901.2	2131.7	5761.7	5893.8	6107.3	6196.0	6358.9
77.5°	336.6	338.4	351.1	365.5	497.6	1121.9	4066.1	4534.8	4896.7	5166.4	5363.6
80°	238.9	249.7	273.2	282.3	323.9	638.8	2298.2	2636.6	3045.5	3481.6	4029.9
82.5°	179.1	191.8	231.6	242.5	257.0	363.7	1036.9	1176.2	1373.5	1780.6	2560.6
85°	83.2	92.3	159.2	173.7	186.4	209.9	526.6	588.1	667.7	731.1	852.3
87.5°	12.7	9.0	27.1	38.0	59.7	61.5	181.0	215.3	233.4	280.5	291.3
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6
2.5°	3000.3	3002.1	3003.9	3000.3	3002.1	3002.1	2998.5	2996.7	2996.7	2996.7	2998.5
5°	3058.2	3061.8	3058.2	3060.0	3067.2	3065.4	3061.8	3060.0	3067.2	3069.1	3063.6
7.5°	3161.3	3163.2	3155.9	3165.0	3168.6	3170.4	3170.4	3174.0	3174.0	3179.4	3174.0
10°	3293.4	3293.4	3306.1	3304.3	3306.1	3309.7	3311.5	3318.8	3324.2	3324.2	3327.8
12.5°	3445.4	3447.3	3459.9	3461.7	3469.0	3470.8	3481.6	3474.4	3492.5	3492.5	3497.9
15°	3602.9	3615.5	3617.4	3635.5	3639.1	3640.9	3655.4	3655.4	3668.0	3669.8	3673.5
17.5°	3758.5	3769.4	3776.6	3791.1	3803.7	3809.2	3814.6	3825.5	3834.5	3838.1	3847.2
20°	3892.4	3903.3	3910.5	3925.0	3935.8	3944.9	3950.3	3963.0	3972.0	3975.7	3988.3
22.5°	4004.6	4011.8	4024.5	4044.4	4048.0	4058.9	4075.2	4084.2	4087.9	4098.7	4113.2
25°	4124.0	4134.9	4142.1	4160.2	4174.7	4192.8	4207.3	4221.8	4225.4	4239.9	4252.5
27.5°	4283.3	4294.1	4296.0	4332.1	4346.6	4372.0	4388.2	4410.0	4420.8	4433.5	4458.8
30°	4518.5	4543.9	4554.7	4596.3	4603.6	4632.5	4661.5	4668.7	4685.0	4686.8	4728.4
32.5°	4878.6	4914.8	4929.3	4972.7	4983.6	5010.7	5027.0	5065.0	5066.8	5084.9	5094.0
35°	5468.6	5459.5	5515.6	5526.5	5559.0	5582.6	5598.9	5598.9	5633.2	5635.0	5645.9
37.5°	6273.8	6255.7	6270.2	6205.1	6221.4	6192.4	6187.0	6194.2	6179.7	6183.3	6181.5
40°	7562.3	7480.8	7395.8	7194.9	7151.5	7068.2	7003.1	6950.6	6899.9	6845.7	6809.5
42.5°	9178.2	9060.6	8933.9	8611.8	8461.6	8300.6	8143.1	8052.7	7871.7	7761.3	7701.6
45°	10872.0	10734.5	10557.1	10289.3	10075.8	9903.9	9616.1	9480.4	9199.9	9060.6	8872.4
47.5°	12259.9	12261.7	12118.8	11847.3	11619.3	11505.3	11326.2	11063.8	10745.3	10566.2	10231.4
50°	13474.2	13472.4	13463.3	13300.4	13141.2	13016.3	12858.9	12621.9	12361.3	12158.6	11775.0
52.5°	14371.7	14491.2	14541.8	14540.0	14520.1	14462.2	14342.8	14138.3	13874.1	13760.1	13454.3
55°	15113.6	15374.2	15509.9	15806.7	15833.9	15929.8	15824.8	15826.6	15671.0	15681.9	15584.1
57.5°	16237.4	16713.3	16986.6	17643.4	17972.8	18370.9	18300.3	18633.3	18754.5	18908.3	19112.8
60°	17513.2	18401.7	19049.5	20356.0	20888.0	21532.2	21886.9	22265.1	22540.2	22822.5	23030.6
62.5°	18425.2	19592.4	20656.4	22518.5	23209.7	23888.3	24335.3	24793.1	25102.6	25305.2	25455.4
65°	18052.4	19342.6	20600.3	22552.8	23305.6	23797.8	24329.9	24594.1	24903.5	25071.8	25287.1
67.5°	15339.8	16633.7	17981.8	20285.4	21072.6	21753.0	22167.4	22509.4	22759.1	22972.7	23220.6
70°	11407.6	12822.7	14216.1	16742.3	17735.7	18718.3	19206.9	19630.4	19891.0	20106.3	20379.5
72.5°	8210.1	9096.8	9967.2	12795.6	13789.0	15059.4	15566.0	16036.5	16374.9	16364.1	16653.6
75°	6536.2	6896.3	7283.6	8743.9	9456.9	10528.2	10812.3	11076.5	10917.2	10611.4	10593.3
77.5°	5441.4	5589.8	5720.1	6177.9	6282.9	6538.0	6396.9	6250.3	5778.0	5379.9	5170.0
80°	4417.2	4710.3	4902.2	5227.9	5361.8	5437.8	5457.7	5407.0	5233.3	4992.6	4609.0
82.5°	3284.4	3841.7	4221.8	4862.4	5097.6	5146.5	5240.6	5182.6	5068.6	4873.2	4598.2
85°	962.7	1089.4	1248.6	1693.8	1985.1	2233.0	2486.4	2611.2	2689.0	2580.5	2296.4
87.5°	338.4	381.8	427.1	588.1	626.1	756.4	741.9	875.8	881.3	919.3	879.5
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°	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6
2.5°	2996.7	2996.7	2996.7	2998.5	2998.5	2998.5	2994.9	2993.1	2994.9	2998.5	2998.5
5°	3067.2	3069.1	3072.7	3065.4	3067.2	3072.7	3069.1	3067.2	3069.1	3072.7	3069.1
7.5°	3181.2	3183.1	3179.4	3186.7	3186.7	3190.3	3195.7	3190.3	3192.1	3193.9	3195.7
10°	3329.6	3331.4	3335.1	3340.5	3342.3	3345.9	3349.5	3355.0	3355.0	3351.4	3360.4
12.5°	3507.0	3505.2	3508.8	3516.0	3519.6	3525.1	3535.9	3535.9	3543.2	3541.4	3550.4
15°	3680.7	3689.7	3691.6	3704.2	3709.6	3718.7	3731.4	3738.6	3738.6	3749.5	3753.1
17.5°	3854.4	3861.7	3868.9	3879.7	3887.0	3892.4	3906.9	3915.9	3914.1	3934.0	3934.0
20°	3988.3	4002.8	4011.8	4019.1	4031.8	4040.8	4051.7	4062.5	4069.8	4082.4	4086.0
22.5°	4118.6	4127.7	4140.3	4149.4	4163.9	4174.7	4187.4	4196.4	4209.1	4225.4	4230.8
25°	4263.4	4277.9	4292.3	4305.0	4315.9	4328.5	4350.2	4370.1	4388.2	4402.7	4408.1
27.5°	4464.2	4480.5	4502.2	4511.3	4527.6	4538.4	4571.0	4596.3	4605.4	4630.7	4638.0
30°	4735.7	4753.8	4775.5	4786.4	4815.3	4829.8	4864.2	4891.3	4900.4	4931.1	4936.5
32.5°	5128.4	5139.2	5182.6	5180.8	5220.7	5262.3	5282.2	5303.9	5343.7	5360.0	5365.4
35°	5673.0	5698.4	5729.1	5727.3	5778.0	5801.5	5841.3	5864.9	5893.8	5892.0	5922.8
37.5°	6199.6	6208.7	6219.5	6243.1	6279.3	6311.8	6326.3	6349.8	6371.5	6404.1	6443.9
40°	6773.3	6795.0	6796.8	6809.5	6827.6	6869.2	6896.3	6921.7	6995.9	7042.9	7066.4
42.5°	7632.8	7627.4	7591.2	7614.7	7625.6	7688.9	7708.8	7786.6	7869.9	7969.4	7996.6
45°	8738.5	8666.1	8644.4	8635.3	8693.2	8725.8	8807.2	8952.0	9038.9	9133.0	9178.2
47.5°	10099.3	9873.1	9766.3	9742.8	9802.5	9941.9	9969.0	10112.0	10226.0	10294.7	10340.0
50°	11461.9	11284.6	11060.2	10984.2	10967.9	11096.4	11127.1	11246.6	11362.4	11382.3	11358.8
52.5°	13173.8	12884.2	12513.3	12379.4	12272.6	12281.6	12307.0	12357.7	12431.8	12401.1	12337.7
55°	15363.4	15034.0	14851.3	14597.9	14436.9	14407.9	14297.5	14145.5	14140.1	14160.0	13970.0
57.5°	19009.7	18872.2	18950.0	18922.8	18763.6	18859.5	18361.9	18220.7	18108.5	17913.1	17737.5
60°	23215.2	23356.3	23517.4	23888.3	23872.0	24244.8	23899.2	23812.3	23707.4	23104.8	22809.8
62.5°	25717.8	25773.9	26011.0	26356.6	26696.8	27053.3	27214.3	27270.4	27051.5	26559.3	25944.0
65°	25281.7	25529.6	25759.4	26058.0	26407.3	26763.8	27104.0	27303.0	27252.3	26926.6	26249.8
67.5°	23300.2	23560.8	23897.4	24210.4	24586.8	24896.3	25269.0	25634.6	25645.4	25482.6	25012.1
70°	20408.5	20710.7	21058.1	21233.7	21640.8	21921.3	22230.7	22592.7	22710.3	22730.2	22181.9
72.5°	16592.1	16718.7	16888.9	16796.6	16878.0	17057.1	16973.9	17002.9	16555.9	16639.1	15962.3
75°	10104.7	9988.9	9475.0	9006.3	8434.5	7994.7	8099.7	7260.1	6433.1	6391.5	5794.3
77.5°	5124.7	4940.2	4621.7	4290.5	3805.6	3250.0	2786.8	2287.3	1865.7	1625.0	1395.2
80°	4364.7	4234.4	4058.9	3818.2	3465.4	3054.6	2571.4	2191.4	1838.5	1471.2	1178.0
82.5°	4176.5	3778.4	3523.3	3322.4	2940.6	2560.6	2296.4	2035.8	1786.1	1559.9	1235.9
85°	2072.0	1833.1	1550.8	1375.3	1058.6	828.8	776.3	638.8	595.4	459.6	387.3
87.5°	696.7	570.0	425.3	358.3	285.9	233.4	229.8	204.5	202.7	184.6	170.1
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6
2.5°	2996.7	3000.3	3000.3	2996.7	2998.5	2994.9	2996.7	2998.5	2993.1	2991.2	2985.8
5°	3070.9	3069.1	3069.1	3070.9	3076.3	3078.1	3069.1	3072.7	3074.5	3065.4	3045.5
7.5°	3193.9	3193.9	3199.3	3197.5	3208.4	3204.8	3203.0	3203.0	3203.0	3184.9	3152.3
10°	3360.4	3360.4	3365.8	3373.1	3374.9	3371.3	3371.3	3373.1	3382.1	3345.9	3295.3
12.5°	3546.8	3555.8	3554.0	3554.0	3575.7	3570.3	3563.1	3570.3	3579.4	3528.7	3456.3
15°	3754.9	3760.3	3763.9	3776.6	3773.0	3785.7	3789.3	3785.7	3794.7	3729.6	3608.3
17.5°	3943.1	3953.9	3957.6	3972.0	3972.0	3973.8	3988.3	3982.9	3984.7	3910.5	3736.8
20°	4098.7	4109.6	4115.0	4131.3	4134.9	4142.1	4147.6	4151.2	4160.2	4071.6	3841.7
22.5°	4254.3	4263.4	4272.4	4283.3	4297.8	4306.8	4314.0	4317.7	4334.0	4230.8	3941.3
25°	4428.1	4448.0	4457.0	4475.1	4489.6	4504.1	4514.9	4516.7	4543.9	4415.4	4022.7
27.5°	4659.7	4686.8	4701.3	4730.3	4744.7	4759.2	4755.6	4777.3	4815.3	4627.1	4086.0
30°	4963.7	4998.1	5007.1	5036.1	5059.6	5074.1	5090.4	5108.5	5133.8	4862.4	4116.8
32.5°	5387.1	5439.6	5452.3	5468.6	5502.9	5528.3	5539.1	5568.1	5575.3	5084.9	4107.8
35°	5968.0	5944.5	6006.0	6020.5	6069.3	6089.3	6101.9	6139.9	6111.0	5327.4	4048.0
37.5°	6492.8	6485.6	6545.3	6577.8	6641.2	6626.7	6657.5	6682.8	6579.6	5499.3	3937.7
40°	7133.4	7124.3	7207.6	7218.4	7316.1	7294.4	7307.1	7327.0	7097.2	5618.8	3736.8
42.5°	8027.3	8030.9	8119.6	8130.5	8143.1	8182.9	8117.8	8121.4	7647.3	5651.3	3405.6
45°	9205.4	9268.7	9214.4	9216.2	9212.6	9136.6	9055.2	8959.3	8219.1	5539.1	2978.6
47.5°	10347.2	10303.8	10235.0	10171.7	10119.2	9999.8	9880.3	9717.5	8713.1	5273.1	2502.7
50°	11324.4	11226.7	11165.1	10989.6	10864.7	10709.1	10542.6	10356.3	9118.5	4889.5	2057.5
52.5°	12232.8	12131.5	11901.6	11718.9	11539.7	11333.4	11139.8	10920.8	9476.8	4451.6	1717.3
55°	13742.0	13653.3	13423.5	13088.7	12868.0	12583.8	12328.7	12031.9	10202.4	4096.9	1492.9
57.5°	17254.4	17178.4	16695.2	16483.5	16192.2	15479.2	15374.2	14911.0	12147.7	4055.3	1360.8
60°	22200.0	21874.3	21472.5	20893.5	20211.2	19976.0	19451.2	18834.2	15278.3	4169.3	1254.0
62.5°	25236.5	24494.5	23904.6	23236.9	22608.9	22069.7	21496.1	20886.2	16879.8	4019.1	1121.9
65°	25464.5	24592.3	23812.3	23028.8	22323.0	21651.7	21094.3	20484.5	16358.6	3454.5	950.0
67.5°	24208.6	23289.4	22438.8	21550.3	20837.4	20231.2	19521.8	18935.5	14889.3	2689.0	790.8
70°	21619.1	20812.0	20079.1	19121.9	18530.1	17791.8	17341.2	16608.4	12978.3	1833.1	653.3
72.5°	15571.5	14963.5	14724.6	14056.9	13282.3	12848.0	12639.9	11928.8	9590.8	1138.2	533.8
75°	5260.5	5410.7	5066.8	4540.2	4797.2	4400.9	4562.0	4223.6	4057.1	653.3	448.8
77.5°	1167.2	1096.6	1013.4	941.0	935.6	879.5	931.9	881.3	942.8	416.2	396.3
80°	921.1	727.5	618.9	564.6	535.6	519.4	506.7	492.2	448.8	354.7	365.5
82.5°	995.3	751.0	550.1	439.7	376.4	352.9	347.4	333.0	329.3	343.8	369.2
85°	318.5	266.0	226.2	213.5	197.2	188.2	184.6	179.1	217.2	374.6	354.7
87.5°	166.5	146.6	130.3	124.9	108.6	101.3	99.5	101.3	152.0	374.6	257.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6	2978.6
2.5°	2980.4	2978.6	2975.0	2973.1	2971.3	2962.3	2969.5
5°	3036.5	3018.4	3002.1	2982.2	2971.3	2962.3	2962.3
7.5°	3121.5	3070.9	3029.2	2984.0	2953.2	2929.7	2926.1
10°	3228.3	3130.6	3034.7	2953.2	2895.3	2851.9	2846.5
12.5°	3329.6	3181.2	3029.2	2895.3	2804.9	2743.3	2739.7
15°	3423.7	3208.4	2987.6	2790.4	2654.7	2573.2	2564.2
17.5°	3497.9	3192.1	2893.5	2643.8	2459.2	2363.3	2357.9
20°	3514.2	3127.0	2759.6	2462.8	2267.4	2166.1	2142.5
22.5°	3499.7	3009.3	2593.1	2263.8	2039.4	1938.1	1925.4
25°	3456.3	2866.4	2386.8	2032.2	1824.1	1720.9	1695.6
27.5°	3378.5	2698.1	2164.3	1807.8	1601.5	1502.0	1476.6
30°	3262.7	2495.4	1927.2	1597.9	1384.3	1304.7	1279.4
32.5°	3101.6	2249.3	1693.8	1382.5	1205.2	1141.8	1131.0
35°	2879.0	1967.0	1449.5	1205.2	1074.9	1036.9	1031.5
37.5°	2594.9	1684.7	1245.0	1078.5	984.4	960.9	957.3
40°	2224.0	1395.2	1100.2	988.0	919.3	899.4	895.7
42.5°	1842.2	1178.0	993.5	915.6	859.6	841.5	836.0
45°	1507.4	1031.5	913.8	855.9	803.5	783.6	781.7
47.5°	1257.7	946.4	848.7	801.6	749.2	725.6	727.5
50°	1074.9	868.6	794.4	754.6	694.9	673.2	675.0
52.5°	950.0	790.8	743.7	698.5	647.8	626.1	626.1
55°	852.3	727.5	694.9	646.0	606.2	586.3	584.5
57.5°	772.7	676.8	647.8	608.0	568.2	544.7	544.7
60°	723.8	640.6	617.1	580.9	533.8	508.5	506.7
62.5°	694.9	629.7	609.8	559.2	506.7	481.3	475.9
65°	673.2	655.1	629.7	546.5	485.0	457.8	452.4
67.5°	675.0	714.8	678.6	553.7	477.7	437.9	430.7
70°	685.8	761.8	713.0	570.0	508.5	428.9	412.6
72.5°	631.5	689.5	642.4	542.9	495.8	412.6	392.7
75°	526.6	503.1	461.4	441.5	445.2	374.6	367.3
77.5°	427.1	374.6	334.8	351.1	374.6	320.3	313.1
80°	371.0	304.0	284.1	311.2	340.2	273.2	255.2
82.5°	347.4	257.0	244.3	323.9	356.5	235.2	206.3
85°	305.8	209.9	191.8	381.8	356.5	177.3	164.7
87.5°	204.5	124.9	119.4	280.5	244.3	123.1	99.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)