

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: P158271

Luminaire Tested: **VST-E09-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158271
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-E09-LED-E-U-SL2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (189) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27785.8 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 225.7
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: 28.75 FT



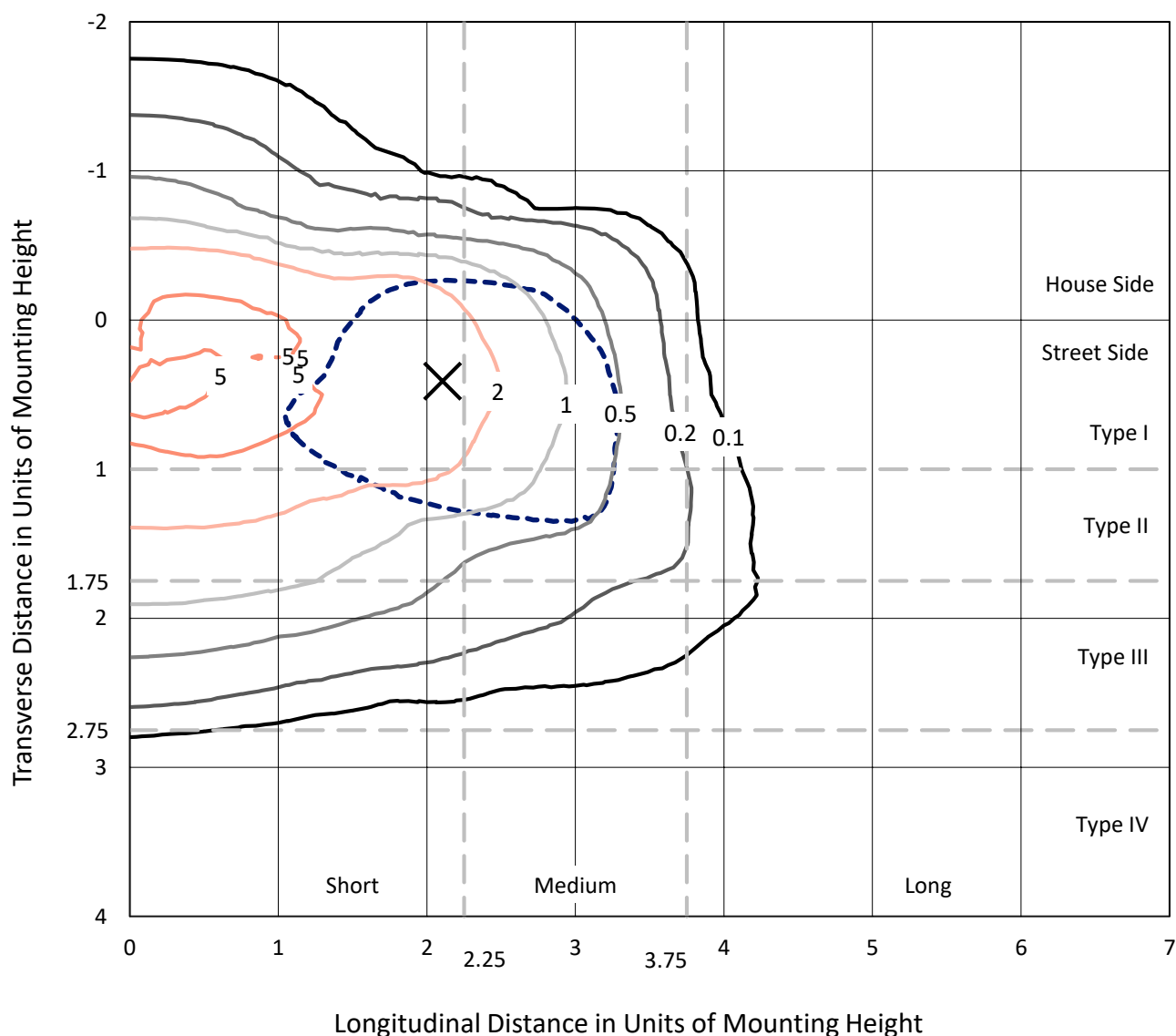
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

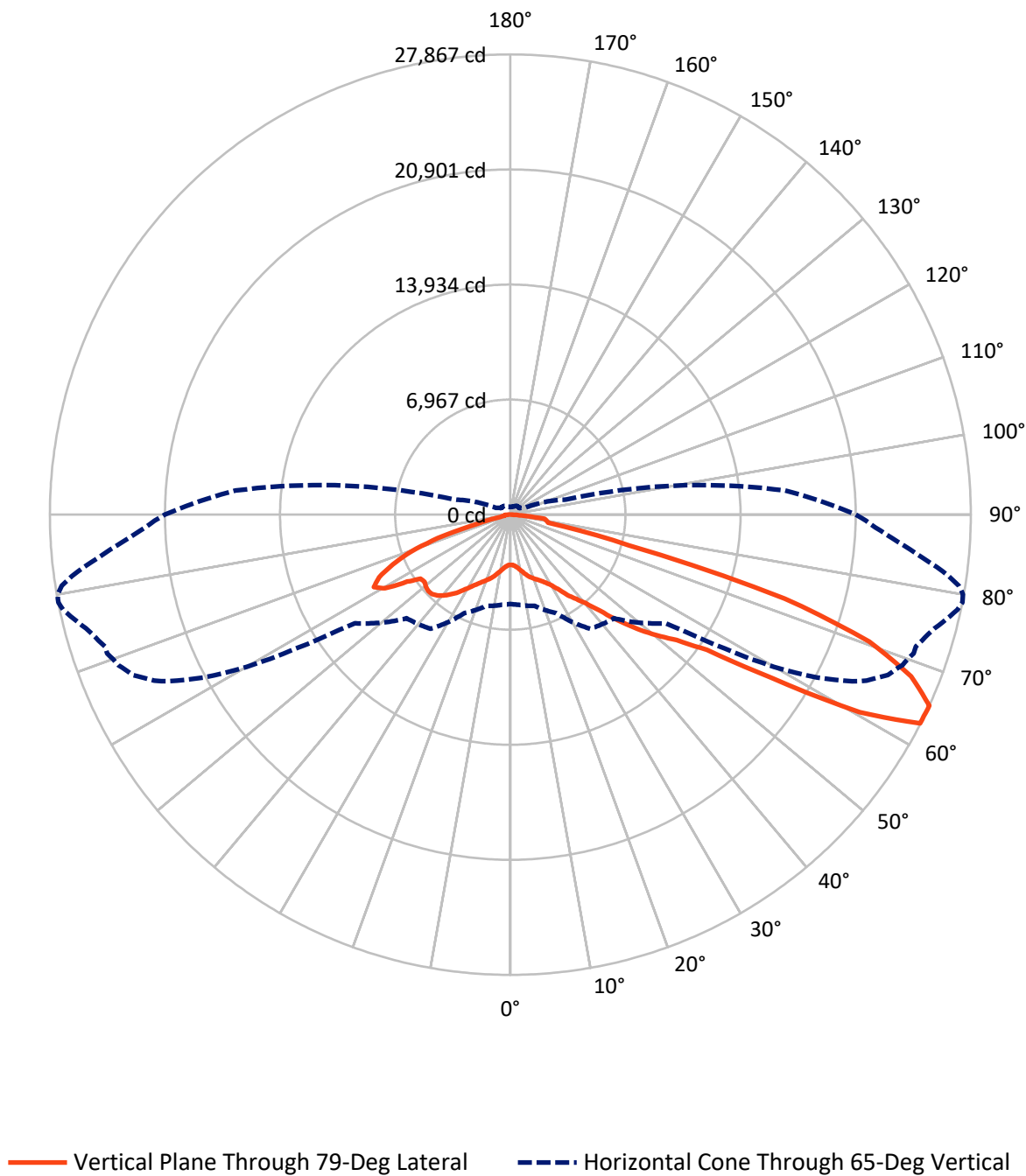


Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6384.7	0.0	6384.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	21401.1	0.0	21401.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	27785.8	0.0	27785.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.8	1.1
10°-20°	976.9	3.5
20°-30°	1684.1	6.1
30°-40°	2758.5	9.9
40°-50°	4619.5	16.6
50°-60°	6248.5	22.5
60°-70°	7695.0	27.7
70°-80°	2978.7	10.7
80°-90°	523.8	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°	27785.8	100.0
0°-180°	27785.8	100.0

Coefficient of Utilization



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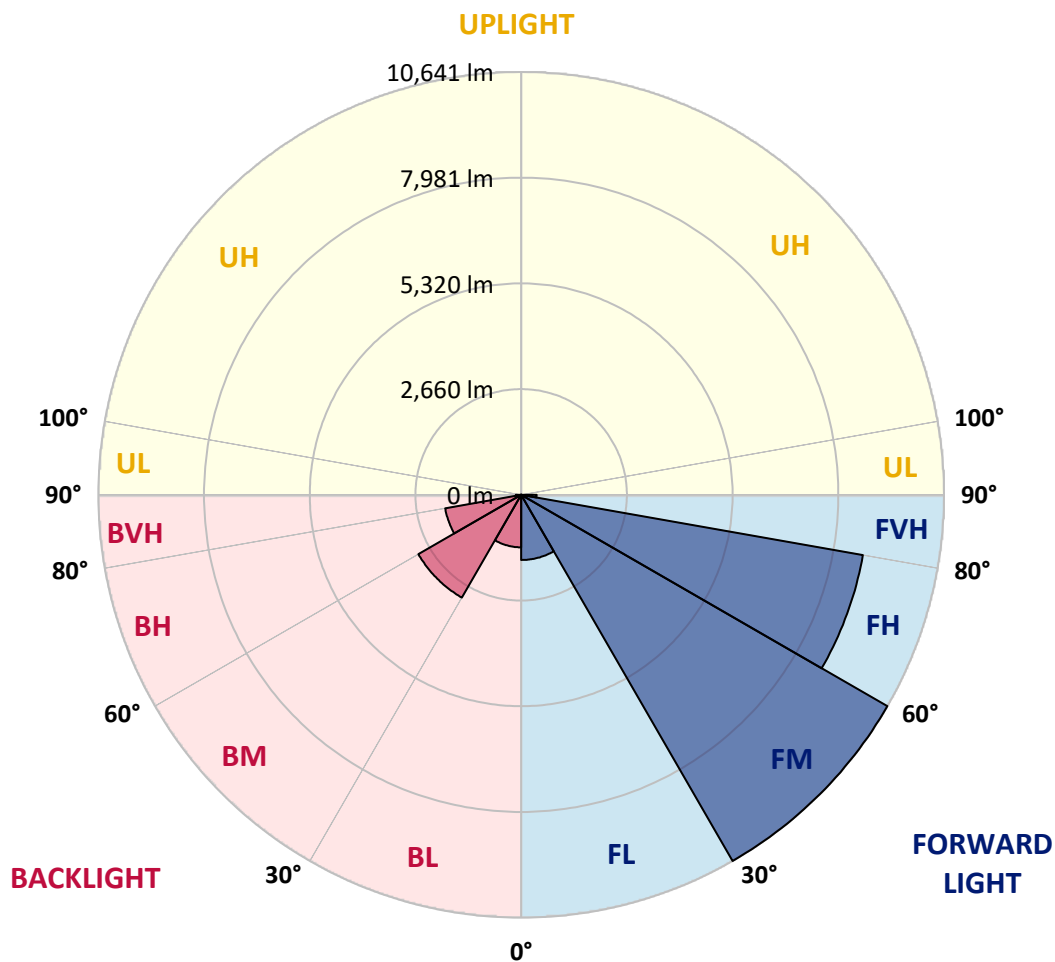
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1640.4	5.9			
FM	(30°-60°)	10640.7	38.3			
FH	(60°-80°)	8731.3	31.4			G4/12000
FVH	(80°-90°)	388.7	1.4			G3/500
BL	(0°-30°)	1321.3	4.8	B3/2500		
BM	(30°-60°)	2985.8	10.7	B3/5000		
BH	(60°-80°)	1942.5	7.0	B3/2500		G3/2500
BVH	(80°-90°)	135.1	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°	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1
2.5°	3045.7	3036.5	3045.7	3053.1	3058.6	3066.0	3064.2	3062.3	3060.5	3062.3	3062.3
5°	3071.5	3069.7	3078.9	3086.3	3099.2	3108.5	3119.6	3119.6	3119.6	3117.7	3121.4
7.5°	3154.7	3152.8	3162.0	3169.4	3180.5	3199.0	3213.8	3221.2	3219.3	3219.3	3219.3
10°	3291.3	3283.9	3283.9	3283.9	3298.7	3311.7	3344.9	3348.6	3356.0	3352.3	3354.1
12.5°	3424.3	3426.2	3420.6	3415.1	3416.9	3442.8	3490.8	3500.0	3501.9	3507.4	3511.1
15°	3544.4	3542.5	3529.6	3516.7	3533.3	3577.6	3640.4	3657.0	3657.0	3668.1	3675.5
17.5°	3655.2	3651.5	3627.5	3605.3	3621.9	3697.7	3795.6	3806.6	3823.3	3828.8	3836.2
20°	3786.3	3778.9	3751.2	3692.1	3692.1	3795.6	3924.9	3935.9	3950.7	3954.4	3967.3
22.5°	3969.2	3950.7	3891.6	3784.5	3754.9	3875.0	4033.8	4039.4	4050.4	4065.2	4076.3
25°	4176.0	4179.7	4083.7	3897.1	3832.5	3958.1	4139.1	4148.3	4168.7	4179.7	4192.7
27.5°	4390.3	4395.8	4288.7	4056.0	3947.0	4072.6	4281.3	4292.4	4316.4	4329.3	4349.7
30°	4634.1	4641.5	4538.1	4303.5	4137.3	4240.7	4491.9	4521.4	4541.7	4558.4	4591.6
32.5°	5219.6	5175.3	5103.2	4853.9	4591.6	4584.2	4831.7	4865.0	4892.7	4927.8	4959.2
35°	5956.5	5984.2	6021.2	5853.1	5622.2	5454.2	5474.5	5456.0	5481.9	5533.6	5565.0
37.5°	6540.2	6601.1	6761.8	6870.8	6861.6	6828.3	6518.0	6518.0	6534.6	6506.9	6503.3
40°	6998.2	7037.0	7365.8	7788.8	8145.2	8320.7	8075.0	8039.9	8058.4	7916.2	7921.7
42.5°	7234.7	7291.9	7764.7	8507.2	9214.6	9778.0	9702.2	9678.2	9622.8	9587.7	9565.6
45°	7354.7	7423.1	7986.4	9005.9	10036.5	10906.5	11298.0	11294.3	11244.5	11203.8	11185.4
47.5°	7293.8	7352.9	7953.1	9157.4	10468.7	11634.2	12500.4	12554.0	12539.2	12598.3	12622.3
50°	6894.8	6970.5	7572.7	8830.5	10287.7	11920.5	13333.4	13433.2	13568.0	13652.9	13765.6
52.5°	6534.6	6597.4	7140.5	8300.4	9693.0	11687.8	13835.8	14040.8	14225.5	14399.1	14534.0
55°	6157.9	6220.7	6697.2	7750.0	9092.7	11000.7	14064.8	14364.0	14652.2	14945.8	15215.5
57.5°	6015.6	6082.1	6436.8	7323.3	8601.4	10319.1	14177.5	14668.8	15137.9	15636.6	16153.8
60°	6385.0	6444.1	6713.8	7334.4	8226.5	9637.6	13950.3	14722.4	15529.5	16351.4	17145.6
62.5°	6272.4	6303.8	6639.9	7602.2	8704.9	8965.3	12965.9	13985.4	15158.2	16362.5	17579.6
65°	5411.7	5472.6	5725.7	6571.6	8437.0	8874.8	11466.1	12491.2	13874.6	15298.6	16929.5
67.5°	3882.4	3797.4	3993.2	4733.8	6545.7	8860.0	9778.0	10537.1	11621.3	12712.8	14050.1
70°	1763.9	1723.2	1876.5	2462.0	3948.9	7001.9	8267.1	8523.9	8926.5	9661.6	10564.8
72.5°	696.3	694.5	794.2	1017.7	1867.3	4506.7	6952.1	7099.8	7242.0	7561.6	7951.3
75°	456.2	456.2	485.8	548.6	919.8	2175.8	5880.8	6015.6	6233.6	6324.1	6490.3
77.5°	343.5	345.4	358.3	373.1	507.9	1145.1	4150.2	4628.6	4998.0	5273.2	5474.5
80°	243.8	254.9	278.9	288.1	330.6	652.0	2345.7	2691.1	3108.5	3553.6	4113.2
82.5°	182.9	195.8	236.4	247.5	262.3	371.2	1058.3	1200.5	1401.9	1817.4	2613.5
85°	85.0	94.2	162.5	177.3	190.2	214.3	537.5	600.3	681.5	746.2	869.9
87.5°	12.9	9.2	27.7	38.8	61.0	62.8	184.7	219.8	238.3	286.3	297.4
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1
2.5°	3062.3	3064.2	3066.0	3062.3	3064.2	3064.2	3060.5	3058.6	3058.6	3058.6	3060.5
5°	3121.4	3125.1	3121.4	3123.3	3130.6	3128.8	3125.1	3123.3	3130.6	3132.5	3127.0
7.5°	3226.7	3228.5	3221.2	3230.4	3234.1	3235.9	3235.9	3239.6	3239.6	3245.2	3239.6
10°	3361.5	3361.5	3374.5	3372.6	3374.5	3378.1	3380.0	3387.4	3392.9	3392.9	3396.6
12.5°	3516.7	3518.5	3531.4	3533.3	3540.7	3542.5	3553.6	3546.2	3564.7	3564.7	3570.2
15°	3677.4	3690.3	3692.1	3710.6	3714.3	3716.1	3730.9	3730.9	3743.8	3745.7	3749.4
17.5°	3836.2	3847.3	3854.7	3869.4	3882.4	3887.9	3893.5	3904.5	3913.8	3917.5	3926.7
20°	3972.9	3984.0	3991.3	4006.1	4017.2	4026.4	4032.0	4044.9	4054.1	4057.8	4070.8
22.5°	4087.4	4094.8	4107.7	4128.0	4131.7	4142.8	4159.4	4168.7	4172.3	4183.4	4198.2
25°	4209.3	4220.4	4227.8	4246.2	4261.0	4279.5	4294.3	4309.0	4312.7	4327.5	4340.4
27.5°	4371.8	4382.9	4384.8	4421.7	4436.5	4462.3	4479.0	4501.1	4512.2	4525.1	4551.0
30°	4611.9	4637.8	4648.9	4691.4	4698.7	4728.3	4757.8	4765.2	4781.9	4783.7	4826.2
32.5°	4979.5	5016.4	5031.2	5075.5	5086.6	5114.3	5130.9	5169.7	5171.6	5190.0	5199.3
35°	5581.6	5572.4	5629.6	5640.7	5674.0	5698.0	5714.6	5714.6	5749.7	5751.5	5762.6
37.5°	6403.5	6385.0	6399.8	6333.3	6350.0	6320.4	6314.9	6322.2	6307.5	6311.2	6309.3
40°	7718.6	7635.5	7548.6	7343.6	7299.3	7214.3	7147.9	7094.3	7042.6	6987.2	6950.2
42.5°	9367.9	9247.9	9118.6	8789.8	8636.5	8472.1	8311.5	8219.1	8034.4	7921.7	7860.8
45°	11096.7	10956.3	10775.3	10502.0	10284.0	10108.6	9814.9	9676.4	9390.1	9247.9	9055.8
47.5°	12513.4	12515.2	12369.3	12092.2	11859.5	11743.2	11560.3	11292.5	10967.4	10784.6	10442.9
50°	13752.7	13750.8	13741.6	13575.4	13412.8	13285.4	13124.7	12882.8	12616.8	12409.9	12018.4
52.5°	14668.8	14790.7	14842.4	14840.6	14820.2	14761.1	14639.2	14430.5	14160.9	14044.5	13732.4
55°	15426.1	15692.0	15830.5	16133.5	16161.2	16259.1	16151.9	16153.8	15994.9	16006.0	15906.3
57.5°	16573.0	17058.8	17337.7	18008.2	18344.3	18750.6	18678.6	19018.5	19142.2	19299.2	19507.9
60°	17875.2	18782.0	19443.3	20776.8	21319.8	21977.3	22339.3	22725.4	23006.1	23294.2	23506.6
62.5°	18806.1	19997.4	21083.4	22983.9	23689.5	24382.1	24838.3	25305.6	25621.4	25828.3	25981.6
65°	18425.6	19742.5	21026.1	23019.0	23787.4	24289.8	24832.8	25102.4	25418.3	25590.0	25809.8
67.5°	15656.9	16977.5	18353.5	20704.8	21508.2	22202.7	22625.6	22974.7	23229.6	23447.5	23700.6
70°	11643.4	13087.8	14510.0	17088.3	18102.3	19105.3	19603.9	20036.1	20302.1	20521.9	20800.8
72.5°	8379.8	9284.8	10173.2	13060.1	14074.1	15370.6	15887.8	16368.0	16713.4	16702.3	16997.8
75°	6671.3	7038.9	7434.1	8924.7	9652.4	10745.8	11035.8	11305.4	11142.9	10830.7	10812.3
77.5°	5553.9	5705.4	5838.3	6305.6	6412.7	6673.2	6529.1	6379.5	5897.4	5491.1	5276.8
80°	4508.5	4807.7	5003.5	5336.0	5472.6	5550.2	5570.5	5518.8	5341.5	5095.8	4704.3
82.5°	3352.3	3921.2	4309.0	4962.9	5203.0	5252.8	5348.9	5289.8	5173.4	4973.9	4693.2
85°	982.6	1111.9	1274.4	1728.8	2026.1	2279.2	2537.8	2665.2	2744.6	2633.8	2343.8
87.5°	345.4	389.7	435.9	600.3	639.1	772.0	757.3	893.9	899.5	938.3	897.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1
2.5°	3058.6	3058.6	3058.6	3060.5	3060.5	3060.5	3056.8	3054.9	3056.8	3060.5	3060.5
5°	3130.6	3132.5	3136.2	3128.8	3130.6	3136.2	3132.5	3130.6	3132.5	3136.2	3132.5
7.5°	3247.0	3248.9	3245.2	3252.5	3252.5	3256.2	3261.8	3256.2	3258.1	3259.9	3261.8
10°	3398.5	3400.3	3404.0	3409.5	3411.4	3415.1	3418.8	3424.3	3424.3	3420.6	3429.9
12.5°	3579.5	3577.6	3581.3	3588.7	3592.4	3597.9	3609.0	3609.0	3616.4	3614.6	3623.8
15°	3756.8	3766.0	3767.9	3780.8	3786.3	3795.6	3808.5	3815.9	3815.9	3827.0	3830.7
17.5°	3934.1	3941.5	3948.9	3959.9	3967.3	3972.9	3987.7	3996.9	3995.0	4015.4	4015.4
20°	4070.8	4085.5	4094.8	4102.2	4115.1	4124.3	4135.4	4146.5	4153.9	4166.8	4170.5
22.5°	4203.7	4213.0	4225.9	4235.1	4249.9	4261.0	4273.9	4283.2	4296.1	4312.7	4318.3
25°	4351.5	4366.3	4381.1	4394.0	4405.1	4418.0	4440.2	4460.5	4479.0	4493.7	4499.3
27.5°	4556.5	4573.1	4595.3	4604.5	4621.2	4632.3	4665.5	4691.4	4700.6	4726.4	4733.8
30°	4833.6	4852.0	4874.2	4885.3	4914.8	4929.6	4964.7	4992.4	5001.6	5033.0	5038.6
32.5°	5234.4	5245.5	5289.8	5287.9	5328.6	5371.0	5391.4	5413.5	5454.2	5470.8	5476.3
35°	5790.3	5816.2	5847.6	5845.7	5897.4	5921.4	5962.1	5986.1	6015.6	6013.8	6045.2
37.5°	6327.8	6337.0	6348.1	6372.1	6409.1	6442.3	6457.1	6481.1	6503.3	6536.5	6577.1
40°	6913.3	6935.4	6937.3	6950.2	6968.7	7011.2	7038.9	7064.7	7140.5	7188.5	7212.5
42.5°	7790.6	7785.1	7748.1	7772.1	7783.2	7847.9	7868.2	7947.6	8032.6	8134.1	8161.8
45°	8919.1	8845.2	8823.1	8813.8	8872.9	8906.2	8989.3	9137.1	9225.7	9321.8	9367.9
47.5°	10308.1	10077.2	9968.2	9944.2	10005.1	10147.4	10175.1	10321.0	10437.3	10507.5	10553.7
50°	11698.8	11517.8	11288.8	11211.2	11194.6	11325.7	11357.1	11479.0	11597.2	11617.6	11593.6
52.5°	13446.1	13150.6	12771.9	12635.3	12526.3	12535.5	12561.4	12613.1	12688.8	12657.4	12592.8
55°	15680.9	15344.8	15158.2	14899.7	14735.3	14705.7	14593.1	14437.9	14432.4	14452.7	14258.8
57.5°	19402.6	19262.3	19341.7	19314.0	19151.4	19249.3	18741.4	18597.3	18482.8	18283.4	18104.2
60°	23695.0	23839.1	24003.5	24382.1	24365.5	24746.0	24393.2	24304.5	24197.4	23582.4	23281.3
62.5°	26249.4	26306.7	26548.6	26901.4	27248.6	27612.5	27776.9	27834.1	27610.7	27108.3	26480.3
65°	25804.3	26057.3	26291.9	26596.7	26953.1	27317.0	27664.2	27867.4	27815.7	27483.2	26792.4
67.5°	23781.8	24047.8	24391.3	24710.9	25095.1	25410.9	25791.4	26164.5	26175.5	26009.3	25529.1
70°	20830.4	21138.8	21493.4	21672.6	22088.2	22374.4	22690.3	23059.7	23179.7	23200.0	22640.4
72.5°	16935.0	17064.3	17238.0	17143.8	17226.9	17409.7	17324.8	17354.3	16898.1	16983.1	16292.3
75°	10313.6	10195.4	9670.8	9192.5	8608.8	8160.0	8267.1	7410.1	6566.0	6523.6	5914.1
77.5°	5230.7	5042.3	4717.2	4379.2	3884.2	3317.2	2844.4	2334.6	1904.2	1658.6	1424.0
80°	4454.9	4322.0	4142.8	3897.1	3537.0	3117.7	2624.6	2236.7	1876.5	1501.6	1202.4
82.5°	4262.9	3856.5	3596.1	3391.1	3001.4	2613.5	2343.8	2077.9	1823.0	1592.1	1261.5
85°	2114.8	1871.0	1582.9	1403.7	1080.5	845.9	792.4	652.0	607.7	469.1	395.3
87.5°	711.1	581.8	434.0	365.7	291.8	238.3	234.6	208.7	206.9	188.4	173.6
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1
2.5°	3058.6	3062.3	3062.3	3058.6	3060.5	3056.8	3058.6	3060.5	3054.9	3053.1	3047.5
5°	3134.3	3132.5	3132.5	3134.3	3139.9	3141.7	3132.5	3136.2	3138.0	3128.8	3108.5
7.5°	3259.9	3259.9	3265.5	3263.6	3274.7	3271.0	3269.2	3269.2	3269.2	3250.7	3217.5
10°	3429.9	3429.9	3435.4	3442.8	3444.6	3440.9	3440.9	3442.8	3452.0	3415.1	3363.4
12.5°	3620.1	3629.3	3627.5	3627.5	3649.7	3644.1	3636.7	3644.1	3653.3	3601.6	3527.8
15°	3832.5	3838.0	3841.7	3854.7	3851.0	3863.9	3867.6	3863.9	3873.1	3806.6	3682.9
17.5°	4024.6	4035.7	4039.4	4054.1	4054.1	4056.0	4070.8	4065.2	4067.1	3991.3	3814.0
20°	4183.4	4194.5	4200.1	4216.7	4220.4	4227.8	4233.3	4237.0	4246.2	4155.7	3921.2
22.5°	4342.3	4351.5	4360.7	4371.8	4386.6	4395.8	4403.2	4406.9	4423.5	4318.3	4022.7
25°	4519.6	4539.9	4549.1	4567.6	4582.4	4597.2	4608.2	4610.1	4637.8	4506.7	4105.9
27.5°	4756.0	4783.7	4798.5	4828.0	4842.8	4857.6	4853.9	4876.1	4914.8	4722.8	4170.5
30°	5066.3	5101.4	5110.6	5140.2	5164.2	5179.0	5195.6	5214.1	5239.9	4962.9	4201.9
32.5°	5498.5	5552.1	5565.0	5581.6	5616.7	5642.6	5653.6	5683.2	5690.6	5190.0	4192.7
35°	6091.4	6067.4	6130.2	6144.9	6194.8	6215.1	6228.0	6266.8	6237.3	5437.5	4131.7
37.5°	6627.0	6619.6	6680.6	6713.8	6778.5	6763.7	6795.1	6820.9	6715.7	5613.0	4019.0
40°	7280.8	7271.6	7356.6	7367.6	7467.4	7445.2	7458.1	7478.5	7243.9	5734.9	3814.0
42.5°	8193.2	8196.9	8287.4	8298.5	8311.5	8352.1	8285.6	8289.3	7805.4	5768.1	3476.0
45°	9395.6	9460.3	9404.9	9406.7	9403.0	9325.5	9242.3	9144.4	8389.0	5653.6	3040.1
47.5°	10561.1	10516.8	10446.6	10381.9	10328.4	10206.5	10084.6	9918.3	8893.3	5382.1	2554.4
50°	11558.5	11458.7	11395.9	11216.8	11089.3	10930.5	10760.6	10570.3	9307.0	4990.6	2100.0
52.5°	12485.7	12382.2	12147.7	11961.1	11778.3	11567.7	11370.1	11146.6	9672.7	4543.6	1752.8
55°	14026.0	13935.5	13701.0	13359.3	13133.9	12844.0	12583.5	12280.6	10413.3	4181.6	1523.8
57.5°	17611.0	17533.5	17040.3	16824.2	16526.9	15799.2	15692.0	15219.2	12398.8	4139.1	1388.9
60°	22658.9	22326.4	21916.4	21325.3	20629.0	20388.9	19853.3	19223.5	15594.1	4255.5	1280.0
62.5°	25758.1	25000.9	24398.7	23717.2	23076.3	22525.9	21940.4	21318.0	17228.7	4102.2	1145.1
65°	25990.8	25100.6	24304.5	23504.8	22784.5	22099.2	21530.4	20907.9	16696.8	3525.9	969.7
67.5°	24709.0	23770.8	22902.7	21995.8	21268.1	20649.3	19925.3	19326.9	15197.0	2744.6	807.1
70°	22066.0	21242.2	20494.2	19517.1	18913.2	18159.6	17699.7	16951.7	13246.6	1871.0	666.8
72.5°	15893.3	15272.8	15029.0	14347.4	13556.9	13113.6	12901.2	12175.4	9789.0	1161.8	544.9
75°	5369.2	5522.5	5171.6	4634.1	4896.4	4491.9	4656.3	4310.9	4141.0	666.8	458.1
77.5°	1191.3	1119.3	1034.3	960.4	954.9	897.6	951.2	899.5	962.3	424.8	404.5
80°	940.1	742.5	631.7	576.3	546.7	530.1	517.2	502.4	458.1	362.0	373.1
82.5°	1015.8	766.5	561.5	448.8	384.2	360.2	354.6	339.8	336.2	350.9	376.8
85°	325.1	271.5	230.9	217.9	201.3	192.1	188.4	182.9	221.6	382.3	362.0
87.5°	169.9	149.6	133.0	127.4	110.8	103.4	101.6	103.4	155.1	382.3	262.3
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):

	125°	135°	145°	155°	165°	175°	180°
0°	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1	3040.1
2.5°	3042.0	3040.1	3036.5	3034.6	3032.8	3023.5	3030.9
5°	3099.2	3080.8	3064.2	3043.8	3032.8	3023.5	3023.5
7.5°	3186.1	3134.3	3091.9	3045.7	3014.3	2990.3	2986.6
10°	3295.0	3195.3	3097.4	3014.3	2955.2	2910.9	2905.3
12.5°	3398.5	3247.0	3091.9	2955.2	2862.8	2800.0	2796.3
15°	3494.5	3274.7	3049.4	2848.1	2709.5	2626.4	2617.2
17.5°	3570.2	3258.1	2953.3	2698.5	2510.1	2412.2	2406.6
20°	3586.9	3191.6	2816.7	2513.8	2314.3	2210.8	2186.8
22.5°	3572.1	3071.5	2646.7	2310.6	2081.6	1978.1	1965.2
25°	3527.8	2925.6	2436.2	2074.2	1861.8	1756.5	1730.6
27.5°	3448.3	2753.9	2209.0	1845.1	1634.6	1533.0	1507.1
30°	3330.1	2547.0	1967.0	1630.9	1412.9	1331.7	1305.8
32.5°	3165.7	2295.8	1728.8	1411.1	1230.1	1165.5	1154.4
35°	2938.6	2007.7	1479.4	1230.1	1097.1	1058.3	1052.8
37.5°	2648.6	1719.5	1270.7	1100.8	1004.8	980.8	977.1
40°	2270.0	1424.0	1123.0	1008.5	938.3	918.0	914.3
42.5°	1880.2	1202.4	1014.0	934.6	877.3	858.9	853.3
45°	1538.5	1052.8	932.7	873.6	820.1	799.7	797.9
47.5°	1283.7	966.0	866.2	818.2	764.7	740.6	742.5
50°	1097.1	886.6	810.8	770.2	709.2	687.1	688.9
52.5°	969.7	807.1	759.1	712.9	661.2	639.1	639.1
55°	869.9	742.5	709.2	659.4	618.7	598.4	596.6
57.5°	788.7	690.8	661.2	620.6	580.0	555.9	555.9
60°	738.8	653.8	629.8	592.9	544.9	519.0	517.2
62.5°	709.2	642.8	622.4	570.7	517.2	491.3	485.8
65°	687.1	668.6	642.8	557.8	495.0	467.3	461.7
67.5°	688.9	729.6	692.6	565.2	487.6	447.0	439.6
70°	700.0	777.6	727.7	581.8	519.0	437.7	421.1
72.5°	644.6	703.7	655.7	554.1	506.1	421.1	400.8
75°	537.5	513.5	471.0	450.7	454.4	382.3	374.9
77.5°	435.9	382.3	341.7	358.3	382.3	326.9	319.5
80°	378.6	310.3	290.0	317.7	347.2	278.9	260.4
82.5°	354.6	262.3	249.3	330.6	363.9	240.1	210.6
85°	312.1	214.3	195.8	389.7	363.9	181.0	168.1
87.5°	208.7	127.4	121.9	286.3	249.3	125.6	101.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)