

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: P158268

Luminaire Tested: **VST-E09-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158268
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-SL2-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (189) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22854.3 lumens
Efficiency: N/A
Efficacy: 101.3 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 - G3

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



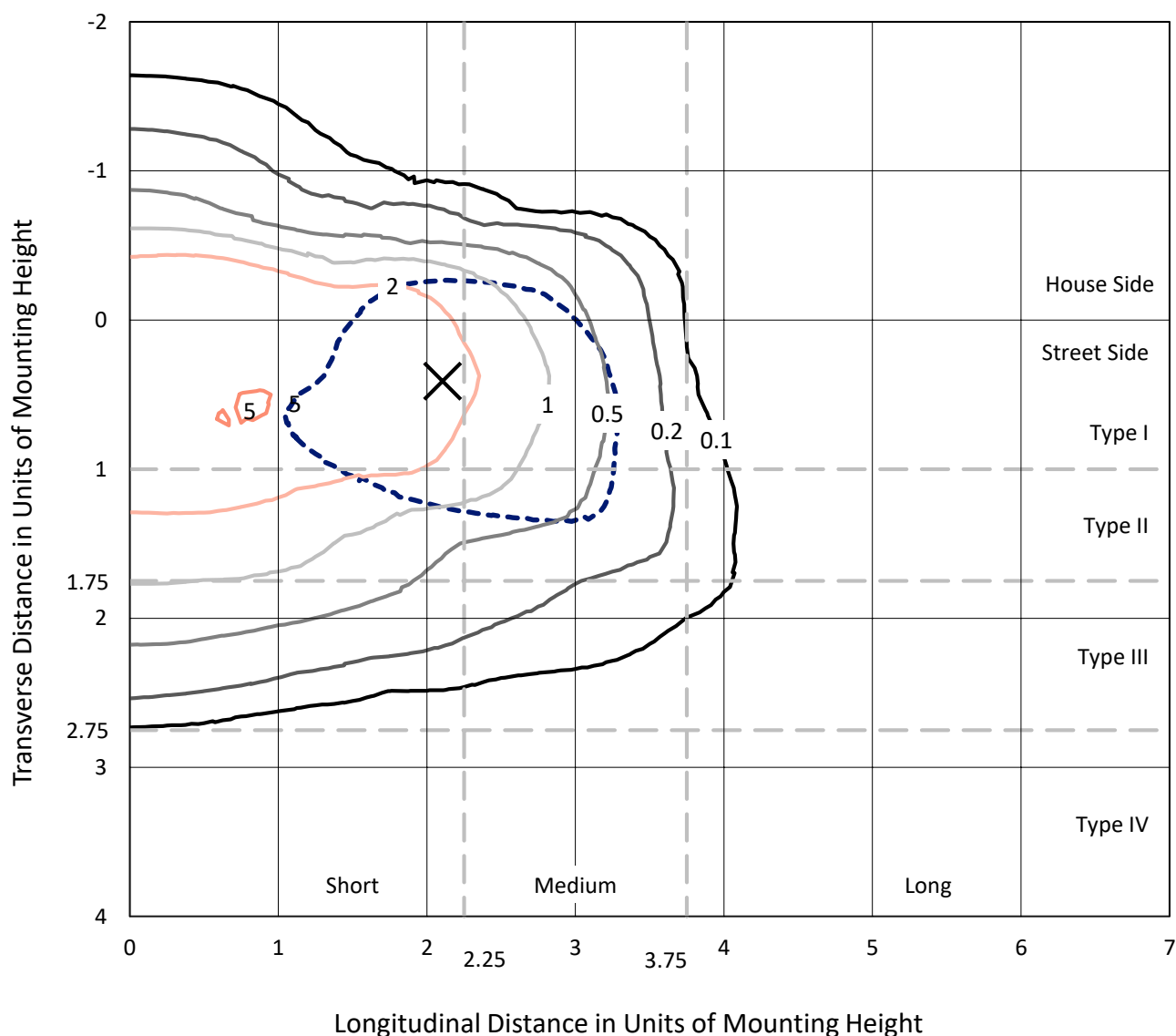
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

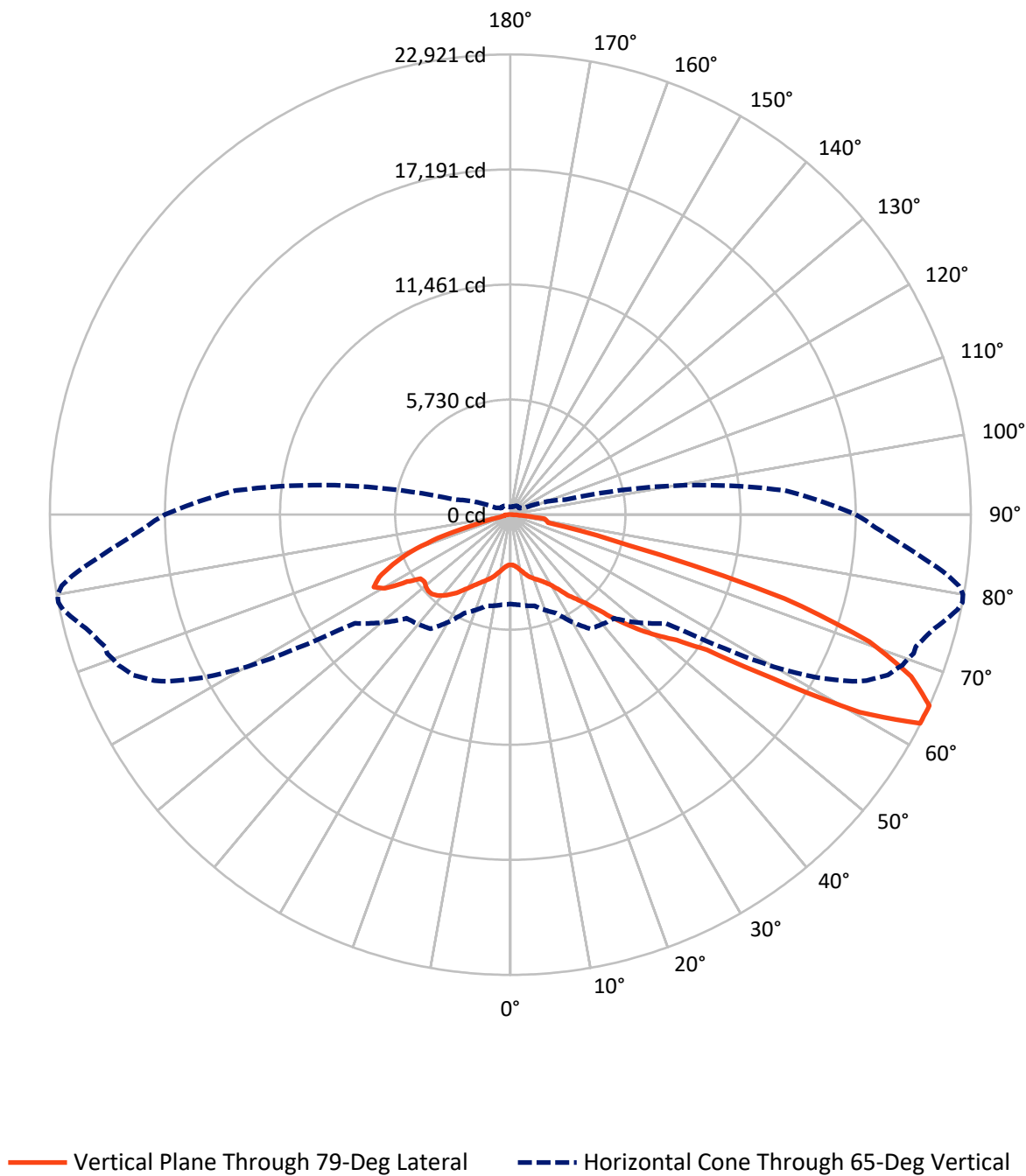


Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5251.5	0.0	5251.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	17602.8	0.0	17602.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	22854.3	0.0	22854.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.4	1.1
10°-20°	803.5	3.5
20°-30°	1385.2	6.1
30°-40°	2268.9	9.9
40°-50°	3799.6	16.6
50°-60°	5139.5	22.5
60°-70°	6329.3	27.7
70°-80°	2450.0	10.7
80°-90°	430.9	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°	22854.3	100.0
0°-180°	22854.3	100.0

Coefficient of Utilization



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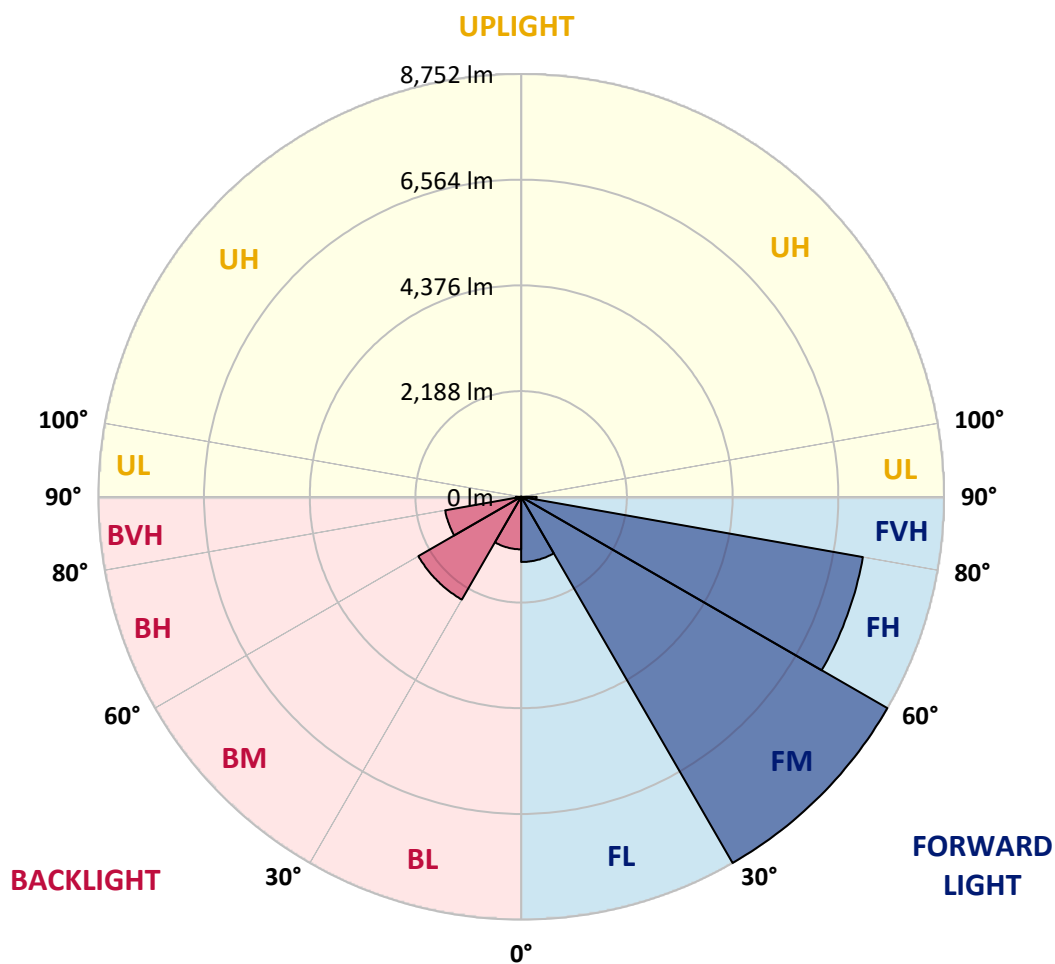
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1349.3	5.9			
FM	(30°-60°)	8752.2	38.3			
FH	(60°-80°)	7181.6	31.4			G3/7500
FVH	(80°-90°)	319.7	1.4			G3/500
BL	(0°-30°)	1086.8	4.8	B3/2500		
BM	(30°-60°)	2455.8	10.7	B2/2500		
BH	(60°-80°)	1597.7	7.0	B3/2500		G3/2500
BVH	(80°-90°)	111.2	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6
2.5°	2505.1	2497.5	2505.1	2511.2	2515.8	2521.8	2520.3	2518.8	2517.3	2518.8	2518.8
5°	2526.4	2524.9	2532.5	2538.6	2549.2	2556.8	2565.9	2565.9	2565.9	2564.4	2567.4
7.5°	2594.8	2593.2	2600.8	2606.9	2616.0	2631.2	2643.4	2649.5	2647.9	2647.9	2647.9
10°	2707.2	2701.1	2701.1	2701.1	2713.3	2723.9	2751.2	2754.3	2760.4	2757.3	2758.8
12.5°	2816.6	2818.1	2813.5	2809.0	2810.5	2831.8	2871.3	2878.9	2880.4	2884.9	2888.0
15°	2915.3	2913.8	2903.2	2892.5	2906.2	2942.7	2994.3	3008.0	3008.0	3017.1	3023.2
17.5°	3006.5	3003.4	2983.7	2965.4	2979.1	3041.4	3121.9	3131.0	3144.7	3149.3	3155.3
20°	3114.3	3108.2	3085.5	3036.8	3036.8	3121.9	3228.3	3237.4	3249.5	3252.6	3263.2
22.5°	3264.7	3249.5	3200.9	3112.8	3088.5	3187.2	3317.9	3322.5	3331.6	3343.7	3352.8
25°	3434.9	3437.9	3358.9	3205.5	3152.3	3255.6	3404.5	3412.1	3428.8	3437.9	3448.5
27.5°	3611.1	3615.7	3527.5	3336.1	3246.5	3349.8	3521.5	3530.6	3550.3	3561.0	3577.7
30°	3811.6	3817.7	3732.6	3539.7	3403.0	3488.0	3694.7	3719.0	3735.7	3749.3	3776.7
32.5°	4293.2	4256.8	4197.5	3992.4	3776.7	3770.6	3974.2	4001.5	4024.3	4053.2	4079.0
35°	4899.4	4922.2	4952.5	4814.3	4624.4	4486.1	4502.9	4487.7	4508.9	4551.5	4577.3
37.5°	5379.4	5429.6	5561.7	5651.4	5643.8	5616.4	5361.2	5361.2	5374.9	5352.1	5349.0
40°	5756.2	5788.1	6058.5	6406.4	6699.6	6843.9	6641.9	6613.0	6628.2	6511.2	6515.8
42.5°	5950.6	5997.7	6386.6	6997.4	7579.2	8042.6	7980.3	7960.5	7914.9	7886.1	7867.9
45°	6049.4	6105.6	6569.0	7407.5	8255.2	8970.8	9292.8	9289.8	9248.8	9215.4	9200.2
47.5°	5999.3	6047.9	6541.6	7532.1	8610.7	9569.3	10281.8	10325.9	10313.7	10362.4	10382.1
50°	5671.1	5733.4	6228.7	7263.2	8461.9	9804.8	10967.0	11049.0	11159.9	11229.8	11322.5
52.5°	5374.9	5426.5	5873.2	6827.2	7972.7	9613.4	11380.2	11548.8	11700.8	11843.6	11954.5
55°	5065.0	5116.6	5508.6	6374.5	7478.9	9048.3	11568.6	11814.7	12051.7	12293.2	12515.0
57.5°	4948.0	5002.7	5294.4	6023.6	7074.8	8487.7	11661.3	12065.4	12451.2	12861.4	13286.8
60°	5251.8	5300.4	5522.2	6032.7	6766.4	7927.1	11474.4	12109.4	12773.3	13449.3	14102.6
62.5°	5159.1	5185.0	5461.5	6253.0	7159.9	7374.1	10664.7	11503.3	12467.9	13458.4	14459.6
65°	4451.2	4501.3	4709.5	5405.3	6939.6	7299.7	9431.1	10274.2	11412.1	12583.4	13924.8
67.5°	3193.3	3123.4	3284.5	3893.7	5384.0	7287.5	8042.6	8666.9	9558.7	10456.5	11556.4
70°	1450.8	1417.4	1543.5	2025.1	3248.0	5759.2	6799.9	7011.0	7342.2	7946.8	8689.7
72.5°	572.7	571.2	653.2	837.1	1535.9	3706.8	5718.2	5839.7	5956.7	6219.5	6540.1
75°	375.2	375.2	399.5	451.2	756.6	1789.6	4837.1	4948.0	5127.2	5201.7	5338.4
77.5°	282.6	284.1	294.7	306.9	417.8	941.9	3413.6	3807.1	4110.9	4337.3	4502.9
80°	200.5	209.6	229.4	237.0	271.9	536.3	1929.4	2213.5	2556.8	2922.9	3383.2
82.5°	150.4	161.0	194.5	203.6	215.7	305.4	870.5	987.5	1153.1	1494.9	2149.6
85°	69.9	77.5	133.7	145.8	156.5	176.2	442.1	493.7	560.6	613.8	715.5
87.5°	10.6	7.6	22.8	31.9	50.1	51.7	151.9	180.8	196.0	235.5	244.6
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6
2.5°	2518.8	2520.3	2521.8	2518.8	2520.3	2520.3	2517.3	2515.8	2515.8	2515.8	2517.3
5°	2567.4	2570.5	2567.4	2568.9	2575.0	2573.5	2570.5	2568.9	2575.0	2576.5	2572.0
7.5°	2654.0	2655.5	2649.5	2657.1	2660.1	2661.6	2661.6	2664.6	2664.6	2669.2	2664.6
10°	2764.9	2764.9	2775.5	2774.0	2775.5	2778.6	2780.1	2786.2	2790.7	2790.7	2793.8
12.5°	2892.5	2894.0	2904.7	2906.2	2912.3	2913.8	2922.9	2916.8	2932.0	2932.0	2936.6
15°	3024.7	3035.3	3036.8	3052.0	3055.1	3056.6	3068.8	3068.8	3079.4	3080.9	3083.9
17.5°	3155.3	3164.5	3170.5	3182.7	3193.3	3197.9	3202.4	3211.6	3219.2	3222.2	3229.8
20°	3267.8	3276.9	3283.0	3295.1	3304.2	3311.8	3316.4	3327.0	3334.6	3337.6	3348.3
22.5°	3362.0	3368.0	3378.7	3395.4	3398.4	3407.5	3421.2	3428.8	3431.8	3441.0	3453.1
25°	3462.2	3471.3	3477.4	3492.6	3504.8	3519.9	3532.1	3544.3	3547.3	3559.4	3570.1
27.5°	3595.9	3605.0	3606.5	3636.9	3649.1	3670.3	3684.0	3702.3	3711.4	3722.0	3743.3
30°	3793.4	3814.7	3823.8	3858.7	3864.8	3889.1	3913.4	3919.5	3933.2	3934.7	3969.6
32.5°	4095.7	4126.1	4138.3	4174.7	4183.8	4206.6	4220.3	4252.2	4253.7	4268.9	4276.5
35°	4591.0	4583.4	4630.5	4639.6	4666.9	4686.7	4700.4	4700.4	4729.2	4730.7	4739.9
37.5°	5267.0	5251.8	5264.0	5209.3	5223.0	5198.6	5194.1	5200.2	5188.0	5191.1	5189.5
40°	6348.7	6280.3	6208.9	6040.3	6003.8	5933.9	5879.2	5835.2	5792.6	5747.1	5716.7
42.5°	7705.3	7606.6	7500.2	7229.8	7103.7	6968.5	6836.3	6760.4	6608.4	6515.8	6465.6
45°	9127.3	9011.8	8862.9	8638.1	8458.8	8314.5	8072.9	7959.0	7723.5	7606.6	7448.6
47.5°	10292.5	10294.0	10174.0	9946.1	9754.7	9659.0	9508.6	9288.3	9020.9	8870.5	8589.5
50°	11311.8	11310.3	11302.7	11166.0	11032.3	10927.5	10795.3	10596.3	10377.5	10207.4	9885.3
52.5°	12065.4	12165.6	12208.2	12206.6	12189.9	12141.3	12041.0	11869.4	11647.6	11551.9	11295.1
55°	12688.2	12907.0	13020.9	13270.1	13292.9	13373.4	13285.3	13286.8	13156.1	13165.2	13083.2
57.5°	13631.6	14031.2	14260.6	14812.0	15088.5	15422.8	15363.5	15643.0	15744.8	15874.0	16045.6
60°	14702.7	15448.6	15992.4	17089.3	17535.9	18076.8	18374.5	18692.0	18923.0	19159.9	19334.7
62.5°	15468.3	16448.2	17341.5	18904.7	19485.0	20054.7	20430.0	20814.3	21074.1	21244.3	21370.4
65°	15155.4	16238.6	17294.4	18933.6	19565.6	19978.8	20425.4	20647.2	20907.0	21048.3	21229.1
67.5°	12878.1	13964.3	15096.1	17030.0	17690.9	18262.1	18610.0	18897.1	19106.8	19286.0	19494.2
70°	9576.9	10764.9	11934.7	14055.5	14889.5	15714.4	16124.6	16480.1	16698.9	16879.6	17109.0
72.5°	6892.5	7636.9	8367.7	10742.1	11576.2	12642.6	13068.0	13463.0	13747.1	13738.0	13981.0
75°	5487.3	5789.6	6114.7	7340.7	7939.3	8838.6	9077.1	9298.9	9165.2	8908.5	8893.3
77.5°	4568.2	4692.8	4802.1	5186.5	5274.6	5488.8	5370.3	5247.3	4850.8	4516.5	4340.3
80°	3708.3	3954.4	4115.5	4388.9	4501.3	4565.1	4581.9	4539.3	4393.5	4191.4	3869.4
82.5°	2757.3	3225.2	3544.3	4082.0	4279.5	4320.6	4399.6	4350.9	4255.2	4091.2	3860.2
85°	808.2	914.5	1048.2	1422.0	1666.5	1874.7	2087.4	2192.2	2257.5	2166.4	1927.8
87.5°	284.1	320.5	358.5	493.7	525.6	635.0	622.9	735.3	739.8	771.7	738.3
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6
2.5°	2515.8	2515.8	2515.8	2517.3	2517.3	2517.3	2514.2	2512.7	2514.2	2517.3	2517.3
5°	2575.0	2576.5	2579.6	2573.5	2575.0	2579.6	2576.5	2575.0	2576.5	2579.6	2576.5
7.5°	2670.7	2672.2	2669.2	2675.3	2675.3	2678.3	2682.9	2678.3	2679.8	2681.4	2682.9
10°	2795.3	2796.8	2799.9	2804.4	2805.9	2809.0	2812.0	2816.6	2816.6	2813.5	2821.1
12.5°	2944.2	2942.7	2945.7	2951.8	2954.8	2959.4	2968.5	2968.5	2974.6	2973.0	2980.6
15°	3090.0	3097.6	3099.1	3109.8	3114.3	3121.9	3132.6	3138.6	3138.6	3147.7	3150.8
17.5°	3235.9	3241.9	3248.0	3257.1	3263.2	3267.8	3279.9	3287.5	3286.0	3302.7	3302.7
20°	3348.3	3360.4	3368.0	3374.1	3384.7	3392.3	3401.5	3410.6	3416.6	3427.3	3430.3
22.5°	3457.7	3465.3	3475.9	3483.5	3495.6	3504.8	3515.4	3523.0	3533.6	3547.3	3551.9
25°	3579.2	3591.4	3603.5	3614.1	3623.3	3633.9	3652.1	3668.8	3684.0	3696.2	3700.7
27.5°	3747.8	3761.5	3779.7	3787.3	3801.0	3810.1	3837.5	3858.7	3866.3	3887.6	3893.7
30°	3975.7	3990.9	4009.1	4018.2	4042.5	4054.7	4083.6	4106.4	4113.9	4139.8	4144.3
32.5°	4305.4	4314.5	4350.9	4349.4	4382.8	4417.8	4434.5	4452.7	4486.1	4499.8	4504.4
35°	4762.6	4783.9	4809.7	4808.2	4850.8	4870.5	4903.9	4923.7	4948.0	4946.5	4972.3
37.5°	5204.7	5212.3	5221.4	5241.2	5271.6	5298.9	5311.1	5330.8	5349.0	5376.4	5409.8
40°	5686.3	5704.5	5706.1	5716.7	5731.9	5766.8	5789.6	5810.9	5873.2	5912.7	5932.4
42.5°	6407.9	6403.4	6373.0	6392.7	6401.8	6455.0	6471.7	6537.0	6606.9	6690.5	6713.3
45°	7336.1	7275.4	7257.1	7249.5	7298.2	7325.5	7393.9	7515.4	7588.3	7667.3	7705.3
47.5°	8478.6	8288.7	8199.0	8179.3	8229.4	8346.4	8369.2	8489.2	8584.9	8642.6	8680.6
50°	9622.5	9473.6	9285.3	9221.4	9207.8	9315.6	9341.5	9441.7	9539.0	9555.7	9535.9
52.5°	11059.7	10816.6	10505.2	10392.7	10303.1	10310.7	10332.0	10374.5	10436.8	10411.0	10357.8
55°	12897.9	12621.4	12467.9	12255.3	12120.0	12095.7	12003.1	11875.5	11870.9	11887.6	11728.1
57.5°	15959.0	15843.6	15908.9	15886.1	15752.4	15832.9	15415.2	15296.7	15202.5	15038.4	14891.0
60°	19489.6	19608.1	19743.3	20054.7	20041.1	20354.0	20063.9	19990.9	19902.8	19396.9	19149.3
62.5°	21590.6	21637.7	21836.7	22126.9	22412.5	22711.8	22847.0	22894.1	22710.3	22297.1	21780.5
65°	21224.5	21432.6	21625.6	21876.2	22169.4	22468.7	22754.3	22921.4	22878.9	22605.5	22037.3
67.5°	19561.0	19779.8	20062.3	20325.2	20641.1	20900.9	21213.9	21520.8	21529.9	21393.1	20998.2
70°	17133.4	17387.1	17678.7	17826.1	18167.9	18403.4	18663.2	18967.0	19065.8	19082.5	18622.2
72.5°	13929.4	14035.7	14178.5	14101.1	14169.4	14319.8	14249.9	14274.2	13899.0	13968.9	13400.7
75°	8483.1	8385.9	7954.4	7561.0	7080.9	6711.8	6799.9	6095.0	5400.7	5365.8	4864.4
77.5°	4302.3	4147.4	3880.0	3602.0	3194.8	2728.5	2339.5	1920.2	1566.3	1364.2	1171.3
80°	3664.3	3554.9	3407.5	3205.5	2909.2	2564.4	2158.8	1839.7	1543.5	1235.1	989.0
82.5°	3506.3	3172.1	2957.9	2789.2	2468.7	2149.6	1927.8	1709.1	1499.4	1309.5	1037.6
85°	1739.5	1538.9	1301.9	1154.6	888.7	695.8	651.7	536.3	499.8	385.9	325.1
87.5°	584.9	478.5	357.0	300.8	240.0	196.0	192.9	171.7	170.1	155.0	142.8
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6
2.5°	2515.8	2518.8	2518.8	2515.8	2517.3	2514.2	2515.8	2517.3	2512.7	2511.2	2506.7
5°	2578.1	2576.5	2576.5	2578.1	2582.6	2584.1	2576.5	2579.6	2581.1	2573.5	2556.8
7.5°	2681.4	2681.4	2685.9	2684.4	2693.5	2690.5	2689.0	2689.0	2689.0	2673.8	2646.4
10°	2821.1	2821.1	2825.7	2831.8	2833.3	2830.2	2830.2	2831.8	2839.4	2809.0	2766.4
12.5°	2977.6	2985.2	2983.7	2983.7	3001.9	2997.3	2991.3	2997.3	3004.9	2962.4	2901.6
15°	3152.3	3156.9	3159.9	3170.5	3167.5	3178.1	3181.2	3178.1	3185.7	3131.0	3029.3
17.5°	3310.3	3319.4	3322.5	3334.6	3334.6	3336.1	3348.3	3343.7	3345.2	3283.0	3137.1
20°	3441.0	3450.1	3454.6	3468.3	3471.3	3477.4	3482.0	3485.0	3492.6	3418.2	3225.2
22.5°	3571.6	3579.2	3586.8	3595.9	3608.1	3615.7	3621.7	3624.8	3638.4	3551.9	3308.8
25°	3717.4	3734.2	3741.7	3756.9	3769.1	3781.2	3790.4	3791.9	3814.7	3706.8	3377.1
27.5°	3911.9	3934.7	3946.8	3971.1	3983.3	3995.5	3992.4	4010.6	4042.5	3884.6	3430.3
30°	4167.1	4196.0	4203.6	4227.9	4247.6	4259.8	4273.5	4288.7	4309.9	4082.0	3456.1
32.5°	4522.6	4566.7	4577.3	4591.0	4619.8	4641.1	4650.2	4674.5	4680.6	4268.9	3448.5
35°	5010.3	4990.5	5042.2	5054.3	5095.3	5112.1	5122.7	5154.6	5130.3	4472.5	3398.4
37.5°	5450.8	5444.8	5494.9	5522.2	5575.4	5563.3	5589.1	5610.3	5523.8	4616.8	3305.7
40°	5988.6	5981.0	6050.9	6060.0	6142.1	6123.8	6134.5	6151.2	5958.2	4717.1	3137.1
42.5°	6739.1	6742.1	6816.6	6825.7	6836.3	6869.7	6815.1	6818.1	6420.1	4744.4	2859.1
45°	7728.1	7781.3	7735.7	7737.2	7734.2	7670.4	7602.0	7521.5	6900.1	4650.2	2500.6
47.5°	8686.7	8650.2	8592.5	8539.3	8495.3	8395.0	8294.7	8158.0	7314.9	4426.9	2101.0
50°	9507.1	9425.0	9373.4	9226.0	9121.2	8990.5	8850.8	8694.3	7655.2	4104.8	1727.3
52.5°	10269.7	10184.6	9991.7	9838.2	9687.8	9514.6	9352.1	9168.3	7956.0	3737.2	1441.7
55°	11536.7	11462.2	11269.3	10988.3	10802.9	10564.4	10350.2	10101.1	8565.2	3439.4	1253.3
57.5°	14485.4	14421.6	14016.0	13838.2	13593.7	12995.1	12907.0	12518.1	10198.3	3404.5	1142.4
60°	18637.3	18363.9	18026.6	17540.5	16967.8	16770.3	16329.7	15811.7	12826.5	3500.2	1052.8
62.5°	21186.5	20563.7	20068.4	19507.8	18980.7	18528.0	18046.4	17534.4	14170.9	3374.1	941.9
65°	21378.0	20645.7	19990.9	19333.1	18740.6	18177.0	17709.1	17197.2	13733.4	2900.1	797.6
67.5°	20323.6	19551.9	18837.9	18092.0	17493.4	16984.5	16389.0	15896.7	12499.8	2257.5	663.9
70°	18149.7	17472.1	16856.9	16053.2	15556.4	14936.6	14558.3	13943.1	10895.6	1538.9	548.4
72.5°	13072.6	12562.1	12361.6	11801.0	11150.8	10786.2	10611.5	10014.5	8051.7	955.6	448.2
75°	4416.3	4542.4	4253.7	3811.6	4027.4	3694.7	3829.9	3545.8	3406.0	548.4	376.8
77.5°	979.9	920.6	850.7	790.0	785.4	738.3	782.4	739.8	791.5	349.4	332.7
80°	773.3	610.7	519.6	474.0	449.7	436.0	425.4	413.2	376.8	297.8	306.9
82.5°	835.6	630.5	461.8	369.2	316.0	296.2	291.7	279.5	276.5	288.6	309.9
85°	267.4	223.3	189.9	179.3	165.6	158.0	155.0	150.4	182.3	314.5	297.8
87.5°	139.8	123.1	109.4	104.8	91.2	85.1	83.6	85.1	127.6	314.5	215.7
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):

	125°	135°	145°	155°	165°	175°	180°
0°	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6	2500.6
2.5°	2502.1	2500.6	2497.5	2496.0	2494.5	2486.9	2493.0
5°	2549.2	2534.0	2520.3	2503.6	2494.5	2486.9	2486.9
7.5°	2620.6	2578.1	2543.1	2505.1	2479.3	2459.6	2456.5
10°	2710.2	2628.2	2547.7	2479.3	2430.7	2394.2	2389.7
12.5°	2795.3	2670.7	2543.1	2430.7	2354.7	2303.1	2300.0
15°	2874.3	2693.5	2508.2	2342.6	2228.6	2160.3	2152.7
17.5°	2936.6	2679.8	2429.2	2219.5	2064.6	1984.1	1979.5
20°	2950.3	2625.1	2316.8	2067.6	1903.5	1818.5	1798.7
22.5°	2938.1	2526.4	2177.0	1900.5	1712.1	1627.0	1616.4
25°	2901.6	2406.4	2003.8	1706.0	1531.3	1444.7	1423.5
27.5°	2836.3	2265.1	1816.9	1517.7	1344.5	1260.9	1239.7
30°	2739.1	2095.0	1617.9	1341.4	1162.2	1095.3	1074.1
32.5°	2603.9	1888.3	1422.0	1160.7	1011.8	958.6	949.5
35°	2417.0	1651.4	1216.9	1011.8	902.4	870.5	865.9
37.5°	2178.5	1414.4	1045.2	905.4	826.4	806.7	803.6
40°	1867.1	1171.3	923.7	829.5	771.7	755.0	752.0
42.5°	1546.5	989.0	834.0	768.7	721.6	706.4	701.9
45°	1265.5	865.9	767.2	718.6	674.5	657.8	656.3
47.5°	1055.8	794.5	712.5	673.0	628.9	609.2	610.7
50°	902.4	729.2	666.9	633.5	583.4	565.1	566.7
52.5°	797.6	663.9	624.4	586.4	543.9	525.6	525.6
55°	715.5	610.7	583.4	542.3	508.9	492.2	490.7
57.5°	648.7	568.2	543.9	510.4	477.0	457.3	457.3
60°	607.7	537.8	518.0	487.7	448.2	426.9	425.4
62.5°	583.4	528.7	512.0	469.4	425.4	404.1	399.5
65°	565.1	549.9	528.7	458.8	407.1	384.4	379.8
67.5°	566.7	600.1	569.7	464.9	401.1	367.6	361.6
70°	575.8	639.6	598.6	478.5	426.9	360.0	346.4
72.5°	530.2	578.8	539.3	455.8	416.3	346.4	329.7
75°	442.1	422.3	387.4	370.7	373.7	314.5	308.4
77.5°	358.5	314.5	281.0	294.7	314.5	268.9	262.8
80°	311.4	255.2	238.5	261.3	285.6	229.4	214.2
82.5°	291.7	215.7	205.1	271.9	299.3	197.5	173.2
85°	256.7	176.2	161.0	320.5	299.3	148.9	138.2
87.5°	171.7	104.8	100.3	235.5	205.1	103.3	83.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)