

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: P158026

Luminaire Tested: **VST-F06-LED-E-U-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158026
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-RW-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15834 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Medium - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 156.5
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

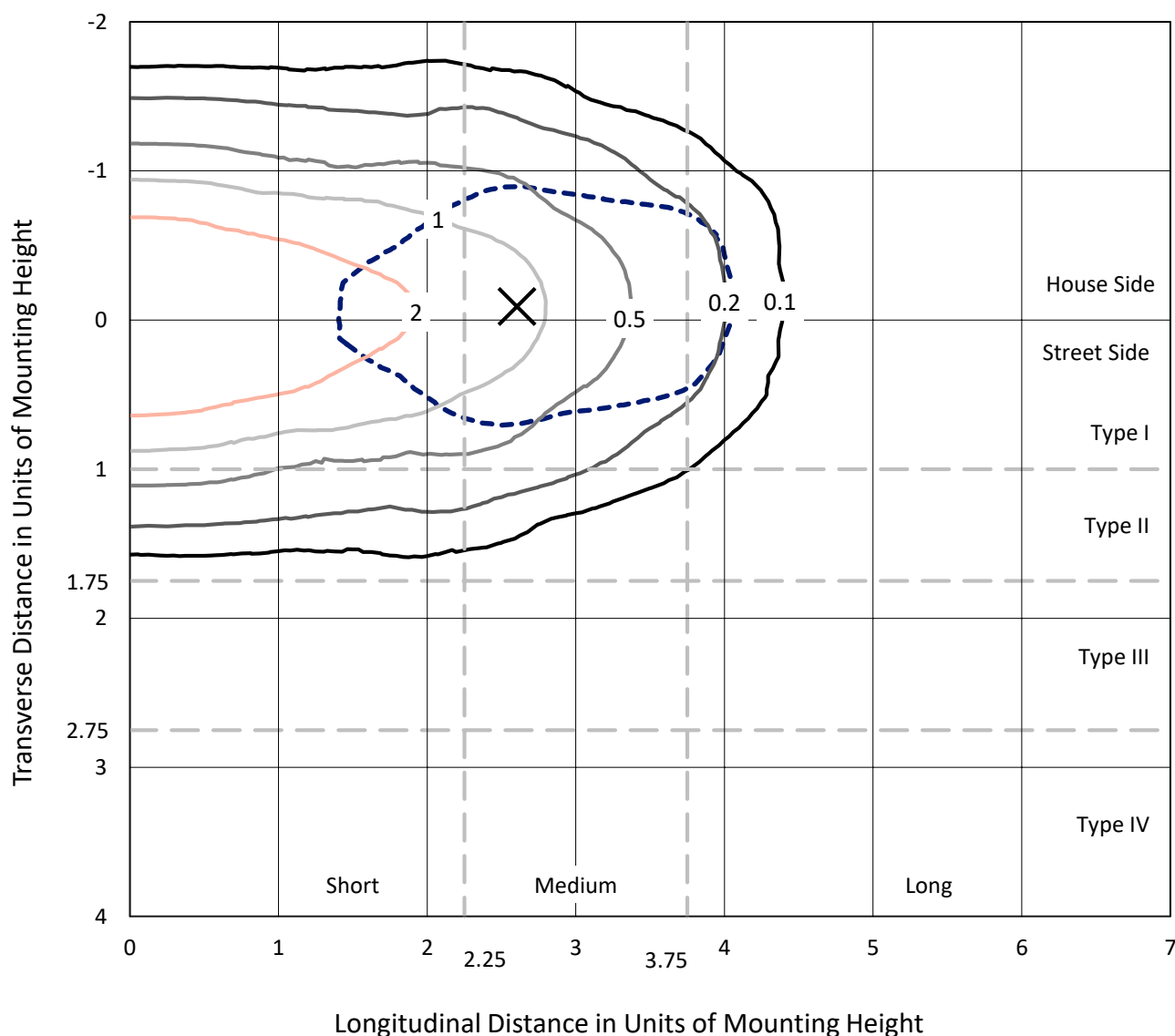


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

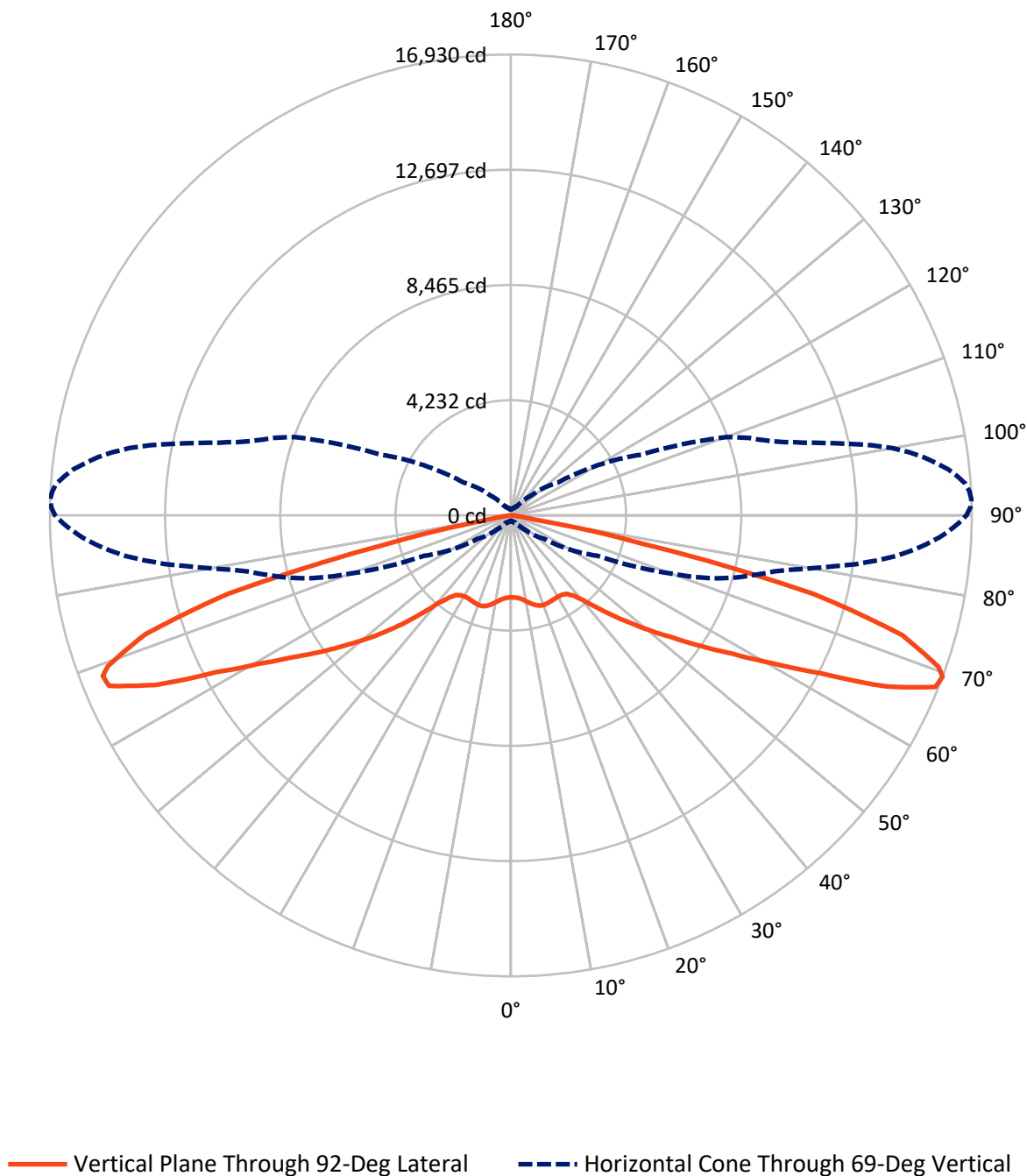


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8397.6	0.0	8397.6
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	7436.4	0.0	7436.4
	% Fixture	47.0	0.0	47.0
Total	Lumens	15834.0	0.0	15834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.3	1.9
10°-20°	929.7	5.9
20°-30°	1508.4	9.5
30°-40°	1879.9	11.9
40°-50°	2340.7	14.8
50°-60°	2886.6	18.2
60°-70°	3585.0	22.6
70°-80°	2202.8	13.9
80°-90°	206.5	1.3
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°	15834.0	100.0
0°-180°	15834.0	100.0

Coefficient of Utilization



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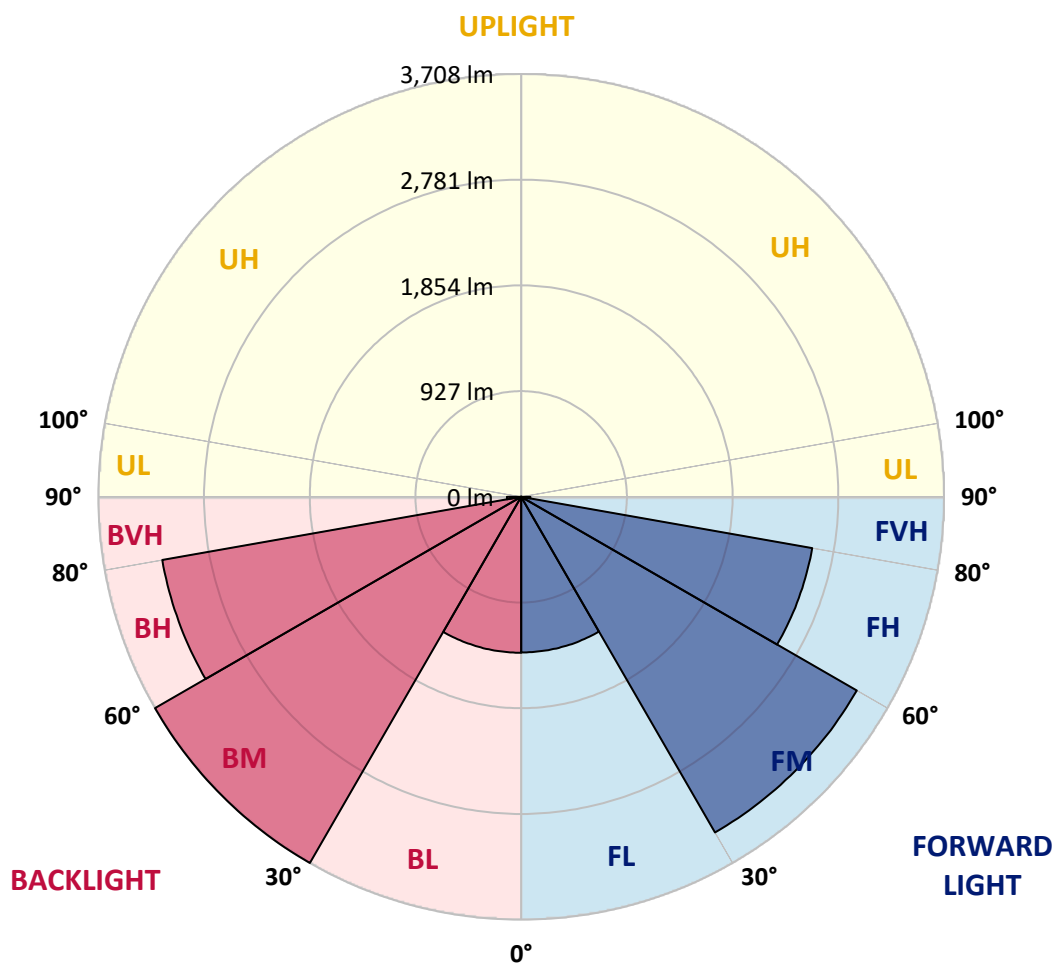
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1364.8	8.6			
FM	(30°-60°)	3398.9	21.5			
FH	(60°-80°)	2591.8	16.4			G2/5000
FVH	(80°-90°)	80.8	0.5			G1/100
BL	(0°-30°)	1367.7	8.6	B3/2500		
BM	(30°-60°)	3708.3	23.4	B3/5000		
BH	(60°-80°)	3196.0	20.2	B4/5000		G4/5000
BVH	(80°-90°)	125.6	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8
2.5°	3055.6	3047.4	3054.6	3055.6	3054.6	3054.6	3045.4	3043.4	3031.2	3034.2	3033.2
5°	3097.2	3094.2	3099.3	3101.3	3103.3	3099.3	3092.2	3089.1	3081.0	3077.9	3076.9
7.5°	3135.9	3130.8	3138.9	3146.0	3151.1	3152.1	3153.2	3148.1	3148.1	3144.0	3144.0
10°	3168.4	3164.3	3177.6	3186.7	3203.0	3212.1	3222.3	3229.4	3233.5	3234.5	3233.5
12.5°	3182.6	3179.6	3200.9	3228.4	3258.9	3280.2	3305.6	3323.9	3329.0	3328.0	3333.1
15°	3158.2	3160.3	3192.8	3246.7	3311.7	3365.6	3401.2	3416.4	3420.5	3422.5	3423.5
17.5°	3092.2	3096.2	3143.0	3230.4	3344.3	3441.8	3494.7	3494.7	3486.6	3486.6	3485.5
20°	2986.4	2990.5	3051.5	3177.6	3345.3	3494.7	3569.9	3554.7	3524.2	3518.1	3512.0
22.5°	2840.1	2856.3	2923.4	3069.8	3301.6	3509.9	3616.7	3594.3	3546.5	3533.3	3524.2
25°	2674.4	2672.4	2752.7	2917.3	3195.8	3473.3	3629.9	3625.8	3575.0	3560.8	3544.5
27.5°	2485.3	2491.4	2565.6	2732.3	3034.2	3367.6	3607.5	3661.4	3619.7	3605.5	3590.2
30°	2291.2	2297.3	2367.4	2561.6	2850.2	3216.2	3561.8	3696.0	3679.7	3668.5	3658.4
32.5°	2096.0	2098.0	2181.4	2389.8	2694.7	3035.2	3492.7	3727.5	3749.8	3744.8	3740.7
35°	1913.0	1915.1	2005.5	2217.0	2541.2	2880.7	3409.3	3773.2	3845.4	3851.5	3855.5
37.5°	1735.1	1738.2	1830.7	2052.3	2389.8	2763.8	3316.8	3843.4	3979.6	4001.9	4006.0
40°	1558.3	1561.3	1649.8	1884.6	2236.3	2661.2	3245.7	3942.0	4160.5	4191.0	4222.5
42.5°	1389.5	1400.7	1475.9	1700.6	2065.5	2534.1	3215.2	4061.9	4375.0	4422.8	4458.3
45°	1232.0	1233.0	1318.4	1528.8	1863.2	2362.3	3194.8	4198.1	4614.9	4687.0	4735.8
47.5°	1063.2	1075.4	1164.9	1369.2	1674.2	2149.9	3129.8	4357.7	4876.1	4960.5	5059.1
50°	899.6	916.9	1003.3	1205.6	1501.4	1930.3	2954.9	4544.7	5169.9	5279.7	5393.5
52.5°	742.0	741.0	832.5	1042.9	1327.5	1744.3	2671.3	4740.9	5509.4	5627.3	5750.3
55°	561.1	561.1	651.6	843.7	1139.5	1578.6	2367.4	4862.9	5824.5	5966.8	6101.0
57.5°	385.2	395.4	480.8	646.5	943.3	1427.2	2134.6	4792.8	6065.4	6242.3	6401.9
60°	285.6	295.8	358.8	464.5	738.0	1248.3	1959.8	4462.4	6210.8	6445.6	6652.9
62.5°	247.0	254.1	314.1	372.0	531.6	1058.2	1805.3	4042.6	6420.2	6741.4	7030.0
65°	220.6	227.7	287.7	321.2	415.7	850.8	1718.9	3802.7	6670.2	7161.2	7580.0
67.5°	204.3	212.4	263.3	287.7	362.9	769.5	1651.8	3746.8	6668.2	7263.8	7798.5
69°	196.2	202.3	244.0	270.4	350.7	745.1	1506.4	3503.8	6228.0	6867.4	7404.1
70°	191.1	197.2	232.8	259.2	346.6	701.4	1372.3	3182.6	5726.9	6370.3	6915.2
72.5°	174.8	180.9	207.4	231.8	288.7	468.6	956.5	2037.0	4092.4	4551.8	5175.0
75°	154.5	161.6	182.0	202.3	218.5	271.4	552.0	1057.2	2340.0	2688.6	3243.6
77.5°	126.0	133.2	154.5	187.0	185.0	206.3	358.8	649.5	1095.8	1359.0	1564.4
80°	103.7	108.8	127.1	189.1	151.5	172.8	290.7	532.6	771.5	852.8	901.6
82.5°	69.1	76.2	98.6	148.4	115.9	123.0	217.5	498.1	652.6	715.6	774.6
85°	32.5	35.6	60.0	79.3	70.1	66.1	124.0	351.7	485.9	515.4	537.7
87.5°	0.0	0.0	3.0	6.1	9.1	9.1	22.4	74.2	136.2	164.7	162.6
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8
2.5°	3029.1	3030.2	3029.1	3029.1	3028.1	3026.1	3026.1	3024.1	3025.1	3024.1	3026.1
5°	3075.9	3075.9	3072.9	3070.8	3073.9	3070.8	3071.8	3066.8	3066.8	3063.7	3059.6
7.5°	3143.0	3143.0	3144.0	3137.9	3142.0	3143.0	3139.9	3137.9	3135.9	3130.8	3131.8
10°	3232.4	3232.4	3235.5	3227.4	3231.4	3233.5	3234.5	3234.5	3232.4	3223.3	3224.3
12.5°	3332.1	3330.0	3331.0	3327.0	3331.0	3333.1	3335.1	3333.1	3333.1	3331.0	3330.0
15°	3422.5	3421.5	3423.5	3420.5	3421.5	3423.5	3429.6	3428.6	3427.6	3421.5	3421.5
17.5°	3484.5	3481.5	3479.4	3478.4	3478.4	3477.4	3478.4	3478.4	3475.4	3474.4	3474.4
20°	3507.9	3499.8	3494.7	3491.6	3487.6	3485.5	3483.5	3484.5	3482.5	3479.4	3480.5
22.5°	3512.0	3500.8	3490.6	3481.5	3473.3	3468.3	3463.2	3461.2	3456.1	3453.0	3453.0
25°	3531.3	3514.0	3497.7	3482.5	3470.3	3459.1	3447.9	3439.8	3433.7	3426.6	3424.6
27.5°	3574.0	3555.7	3536.4	3517.1	3500.8	3478.4	3463.2	3446.9	3432.7	3421.5	3413.4
30°	3640.1	3621.8	3602.4	3580.1	3558.7	3535.4	3509.9	3490.6	3470.3	3447.9	3435.7
32.5°	3727.5	3715.3	3696.0	3674.6	3655.3	3630.9	3600.4	3570.9	3551.6	3525.2	3505.9
35°	3852.5	3838.3	3832.2	3823.0	3803.7	3788.5	3754.9	3727.5	3709.2	3672.6	3658.4
37.5°	4023.3	4022.3	4027.3	4024.3	4027.3	4008.0	3992.8	3991.8	3965.3	3929.8	3895.2
40°	4256.0	4268.2	4295.7	4315.0	4333.3	4335.3	4356.7	4334.3	4337.4	4332.3	4296.7
42.5°	4521.4	4563.0	4595.6	4652.5	4696.2	4736.8	4764.3	4801.9	4830.4	4855.8	4861.9
45°	4817.1	4879.2	4954.4	5005.2	5090.6	5158.7	5252.2	5324.4	5399.6	5473.8	5500.2
47.5°	5138.4	5215.6	5299.0	5393.5	5501.2	5608.0	5752.3	5863.1	5984.1	6084.7	6174.2
50°	5493.1	5573.4	5685.2	5794.0	5942.4	6065.4	6254.5	6399.8	6595.0	6729.2	6845.0
52.5°	5863.1	5963.8	6088.8	6208.7	6360.2	6517.7	6728.2	6942.6	7177.4	7380.7	7549.5
55°	6225.0	6349.0	6468.9	6609.2	6776.9	6959.9	7197.8	7480.4	7773.1	8005.9	8229.5
57.5°	6547.2	6690.5	6831.8	6974.1	7145.9	7358.4	7625.7	7930.7	8266.1	8576.1	8883.1
60°	6846.1	7017.9	7190.7	7368.5	7565.7	7828.0	8149.2	8524.3	8958.3	9382.2	9783.7
62.5°	7318.7	7544.4	7758.9	7988.6	8226.5	8534.5	8913.6	9405.6	9903.7	10433.3	10844.9
65°	7959.1	8276.3	8556.8	8854.7	9162.6	9574.3	10027.7	10616.2	11329.8	11872.6	12533.3
67.5°	8277.3	8695.1	9055.9	9387.3	9768.5	10184.2	10723.0	11419.3	12180.6	12967.4	13704.3
69°	7903.2	8334.2	8733.7	9104.7	9490.0	9893.5	10456.6	11171.2	11976.3	12827.1	13546.8
70°	7418.3	7849.3	8275.3	8698.1	9049.8	9443.2	10008.4	10745.3	11549.4	12433.7	13147.3
72.5°	5683.2	6201.6	6586.9	6983.3	7390.9	7724.3	8376.9	8998.0	9835.6	10733.1	11518.9
75°	3636.0	4112.7	4533.5	4871.0	5269.5	5669.0	6150.8	6841.0	7365.5	8102.4	8739.8
77.5°	1868.3	2009.6	2415.2	2536.1	2812.6	3030.2	3295.5	3468.3	3895.2	3985.7	4361.8
80°	885.4	797.9	751.2	708.5	720.7	715.6	694.3	665.8	701.4	686.1	680.0
82.5°	771.5	688.2	548.9	466.6	403.5	342.6	294.8	270.4	273.4	281.6	284.6
85°	540.8	508.2	396.4	300.9	234.8	182.0	146.4	140.3	144.3	155.5	151.5
87.5°	156.5	163.7	144.3	100.6	70.1	50.8	39.6	44.7	42.7	41.7	43.7
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8
2.5°	3026.1	3025.1	3022.0	3019.0	3019.0	3016.9	3019.0	3020.0	3019.0	3019.0	3016.9
5°	3060.7	3061.7	3064.7	3058.6	3057.6	3058.6	3054.6	3053.5	3053.5	3053.5	3049.5
7.5°	3126.7	3129.8	3129.8	3125.7	3124.7	3127.7	3121.6	3119.6	3116.6	3115.5	3114.5
10°	3225.3	3228.4	3223.3	3220.2	3217.2	3221.3	3216.2	3216.2	3213.1	3210.1	3209.1
12.5°	3335.1	3333.1	3331.0	3333.1	3330.0	3330.0	3327.0	3324.9	3323.9	3322.9	3320.9
15°	3420.5	3427.6	3427.6	3429.6	3427.6	3427.6	3423.5	3424.6	3422.5	3421.5	3422.5
17.5°	3475.4	3477.4	3482.5	3485.5	3485.5	3486.6	3484.5	3486.6	3484.5	3484.5	3488.6
20°	3482.5	3484.5	3489.6	3494.7	3497.7	3499.8	3499.8	3502.8	3504.9	3506.9	3512.0
22.5°	3454.0	3457.1	3463.2	3472.3	3477.4	3479.4	3483.5	3488.6	3493.7	3497.7	3504.9
25°	3424.6	3425.6	3431.7	3440.8	3446.9	3452.0	3459.1	3465.2	3472.3	3480.5	3488.6
27.5°	3408.3	3407.3	3412.4	3421.5	3426.6	3433.7	3439.8	3449.0	3457.1	3467.2	3474.4
30°	3422.5	3414.4	3415.4	3419.5	3423.5	3428.6	3435.7	3443.9	3453.0	3462.2	3470.3
32.5°	3485.5	3467.2	3455.1	3452.0	3453.0	3454.0	3458.1	3463.2	3470.3	3477.4	3480.5
35°	3621.8	3590.2	3574.0	3560.8	3549.6	3540.4	3542.5	3541.5	3541.5	3547.6	3540.4
37.5°	3881.0	3841.3	3824.0	3800.7	3787.4	3753.9	3744.8	3742.7	3729.5	3729.5	3714.3
40°	4287.6	4264.2	4251.0	4229.6	4165.6	4173.7	4128.0	4129.0	4091.4	4095.4	4069.0
42.5°	4865.9	4869.0	4852.7	4838.5	4788.7	4766.3	4723.6	4662.6	4614.9	4613.9	4561.0
45°	5534.8	5571.4	5519.5	5537.8	5494.1	5434.2	5384.4	5306.1	5231.9	5208.5	5154.6
47.5°	6234.1	6294.1	6254.5	6261.6	6240.2	6154.9	6087.8	5991.2	5894.6	5829.6	5797.0
50°	6981.3	7020.9	7019.9	7000.6	6990.4	6907.1	6799.3	6726.1	6655.0	6567.5	6539.1
52.5°	7658.2	7750.7	7812.7	7798.5	7769.0	7719.2	7623.7	7560.7	7456.0	7443.8	7456.0
55°	8383.0	8502.9	8566.0	8642.2	8643.2	8634.1	8594.4	8571.0	8473.5	8484.6	8470.4
57.5°	9069.1	9245.0	9341.5	9504.2	9560.1	9634.3	9606.9	9637.3	9578.4	9617.0	9605.8
60°	9999.2	10243.2	10403.8	10626.4	10730.1	10916.1	10952.7	10975.1	11007.6	11086.9	11042.1
62.5°	11169.2	11527.0	11860.4	12163.3	12262.9	12542.5	12588.2	12763.1	12772.2	12826.1	12727.5
65°	13084.3	13520.3	13887.3	14250.2	14459.6	14786.9	14919.0	15258.5	15154.9	15198.6	14988.2
67.5°	14338.6	14845.8	15337.8	15681.4	16029.0	16363.5	16604.4	16823.9	16821.9	16779.2	16592.2
69°	14227.8	14793.0	15277.9	15738.3	16104.3	16447.8	16737.5	16879.8	16929.7	16867.6	16734.5
70°	13844.6	14425.0	15018.7	15397.8	15796.3	16173.4	16472.2	16627.8	16662.3	16618.6	16503.7
72.5°	12073.9	12630.9	13285.5	13630.1	14111.9	14384.4	14796.0	14997.3	15032.9	14977.0	14901.8
75°	9422.9	9523.5	10190.3	10409.9	10759.6	11073.7	11329.8	11264.8	11446.7	11411.1	11382.7
77.5°	4439.0	4170.7	4602.7	4803.9	4698.2	4416.7	4826.3	4530.5	4726.7	4981.8	4916.8
80°	731.9	729.8	749.2	791.8	741.0	786.8	785.7	763.4	765.4	820.3	791.8
82.5°	281.6	287.7	290.7	298.8	298.8	299.9	304.9	311.0	306.0	316.1	314.1
85°	152.5	162.6	153.5	146.4	151.5	154.5	158.6	163.7	158.6	173.8	165.7
87.5°	39.6	41.7	36.6	36.6	35.6	32.5	32.5	34.6	37.6	44.7	48.8
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):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8
2.5°	3012.9	3013.9	3014.9	3011.9	3009.8	3009.8	3008.8	3006.8	3005.8	3005.8	3005.8
5°	3047.4	3049.5	3044.4	3043.4	3041.3	3039.3	3039.3	3037.3	3038.3	3038.3	3033.2
7.5°	3116.6	3113.5	3107.4	3103.3	3107.4	3100.3	3097.2	3099.3	3097.2	3098.3	3096.2
10°	3209.1	3209.1	3201.9	3206.0	3200.9	3192.8	3195.8	3192.8	3190.8	3183.6	3187.7
12.5°	3323.9	3320.9	3316.8	3307.7	3304.6	3303.6	3294.4	3295.5	3292.4	3290.4	3287.3
15°	3424.6	3423.5	3414.4	3409.3	3408.3	3404.2	3400.2	3398.1	3393.0	3392.0	3390.0
17.5°	3491.6	3488.6	3484.5	3479.4	3479.4	3473.3	3471.3	3466.2	3465.2	3462.2	3459.1
20°	3514.0	3515.0	3511.0	3506.9	3504.9	3500.8	3497.7	3493.7	3491.6	3487.6	3484.5
22.5°	3508.9	3508.9	3504.9	3503.8	3499.8	3493.7	3489.6	3484.5	3479.4	3474.4	3468.3
25°	3492.7	3491.6	3488.6	3483.5	3478.4	3469.3	3461.2	3453.0	3445.9	3439.8	3430.7
27.5°	3478.4	3476.4	3470.3	3463.2	3453.0	3442.9	3427.6	3416.4	3407.3	3399.1	3389.0
30°	3473.3	3466.2	3457.1	3445.9	3433.7	3418.5	3402.2	3388.0	3377.8	3369.7	3365.6
32.5°	3479.4	3470.3	3456.1	3441.8	3426.6	3408.3	3392.0	3379.8	3370.7	3368.7	3368.7
35°	3535.4	3520.1	3500.8	3480.5	3461.2	3445.9	3434.7	3433.7	3427.6	3434.7	3445.9
37.5°	3699.0	3685.8	3656.3	3629.9	3616.7	3609.6	3599.4	3601.4	3587.2	3609.6	3627.9
40°	4046.6	4030.4	3995.8	3974.5	3948.1	3922.6	3943.0	3936.9	3947.0	3943.0	3962.3
42.5°	4553.9	4537.6	4482.7	4474.6	4463.4	4453.2	4453.2	4445.1	4441.0	4455.3	4439.0
45°	5170.9	5138.4	5118.0	5142.4	5108.9	5119.0	5154.6	5106.8	5118.0	5052.0	4991.0
47.5°	5811.3	5808.2	5803.1	5832.6	5837.7	5853.0	5872.3	5823.5	5735.0	5685.2	5561.2
50°	6548.2	6579.7	6591.9	6620.4	6632.6	6643.8	6613.3	6541.1	6391.7	6259.5	6113.2
52.5°	7443.8	7388.9	7464.1	7491.5	7479.3	7434.6	7324.8	7236.4	7030.0	6840.0	6613.3
55°	8486.7	8499.9	8447.0	8425.7	8384.0	8260.0	8108.5	7909.3	7648.1	7400.1	7113.4
57.5°	9548.9	9543.8	9461.5	9345.6	9204.3	9054.9	8829.2	8543.6	8238.7	7905.2	7558.6
60°	10840.9	10835.8	10669.1	10470.9	10269.6	10028.7	9675.0	9331.4	8922.8	8484.6	8072.0
62.5°	12538.4	12319.9	12156.2	11860.4	11549.4	11234.3	10755.5	10299.1	9753.2	9200.3	8718.4
65°	14713.7	14353.9	14167.8	13738.9	13257.1	12765.1	12278.2	11678.5	10943.5	10274.7	9686.1
67.5°	16322.8	15993.5	15652.9	15225.0	14696.4	14147.5	13480.7	12725.4	11890.9	11140.7	10499.3
69°	16464.1	16156.1	15747.5	15318.5	14818.4	14221.7	13493.9	12648.2	11802.5	11043.2	10411.9
70°	16249.6	15922.3	15492.3	15046.1	14487.0	13923.9	13161.5	12280.2	11433.5	10672.1	10056.1
72.5°	14649.7	14330.5	13873.1	13339.4	12766.1	12284.3	11560.5	10641.6	9720.7	9017.3	8537.5
75°	11139.7	11069.6	10745.3	10434.3	9983.0	9445.2	8783.5	8165.5	7410.2	6666.1	6218.9
77.5°	4753.1	4914.7	5083.5	5107.9	5124.1	4958.4	4855.8	4700.3	4195.1	3965.3	3728.5
80°	878.2	784.7	837.6	843.7	878.2	896.5	963.6	1142.5	1162.9	1206.6	1260.4
82.5°	312.1	317.1	325.3	328.3	331.4	343.6	389.3	466.6	536.7	628.2	750.2
85°	176.9	179.9	187.0	193.1	197.2	209.4	234.8	280.6	349.7	454.4	616.0
87.5°	53.9	61.0	65.1	73.2	76.2	78.3	89.5	119.9	154.5	228.7	333.4
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):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8	3007.8
2.5°	3005.8	3004.7	3002.7	3000.7	3001.7	2999.7	2993.6	2991.5	2984.4	2979.3	2975.3
5°	3033.2	3032.2	3028.1	3029.1	3028.1	3018.0	3010.8	2998.6	2991.5	2980.4	2976.3
7.5°	3090.1	3089.1	3082.0	3085.0	3083.0	3067.8	3055.6	3036.3	3026.1	3011.9	3000.7
10°	3175.5	3175.5	3167.4	3168.4	3168.4	3148.1	3126.7	3094.2	3070.8	3048.5	3029.1
12.5°	3279.2	3275.1	3274.1	3269.0	3265.0	3242.6	3210.1	3166.4	3122.7	3086.1	3059.6
15°	3383.9	3377.8	3374.7	3368.7	3363.6	3343.2	3299.5	3245.7	3186.7	3127.7	3084.0
17.5°	3452.0	3447.9	3441.8	3439.8	3432.7	3412.4	3381.9	3328.0	3254.8	3172.5	3106.4
20°	3477.4	3470.3	3466.2	3462.2	3458.1	3443.9	3443.9	3409.3	3328.0	3212.1	3111.5
22.5°	3461.2	3457.1	3451.0	3447.9	3443.9	3445.9	3485.5	3480.5	3386.9	3221.3	3074.9
25°	3423.5	3418.5	3413.4	3413.4	3412.4	3433.7	3529.3	3542.5	3404.2	3176.5	2994.6
27.5°	3384.9	3377.8	3379.8	3380.8	3385.9	3431.7	3577.0	3558.7	3357.5	3068.8	2856.3
30°	3361.5	3361.5	3366.6	3374.7	3384.9	3465.2	3614.6	3522.1	3236.5	2906.1	2673.4
32.5°	3371.7	3381.9	3393.0	3413.4	3428.6	3539.4	3627.9	3427.6	3060.7	2704.9	2482.3
35°	3462.2	3474.4	3495.7	3527.2	3545.5	3646.2	3627.9	3289.4	2856.3	2532.1	2285.1
37.5°	3659.4	3671.6	3697.0	3721.4	3739.7	3780.3	3612.6	3113.5	2685.6	2353.2	2108.2
40°	3976.5	3993.8	4012.1	4008.0	3995.8	3956.2	3582.1	2949.9	2528.0	2196.6	1934.4
42.5°	4422.8	4406.5	4404.5	4364.8	4324.2	4154.4	3559.8	2843.1	2392.8	2032.0	1761.6
45°	4938.1	4872.0	4803.9	4751.1	4689.1	4371.9	3553.7	2756.7	2243.4	1849.0	1573.5
47.5°	5456.5	5350.8	5218.7	5136.3	5035.7	4603.7	3571.9	2640.8	2051.3	1649.8	1397.7
50°	5964.8	5792.0	5628.3	5529.7	5415.9	4870.0	3601.4	2445.7	1821.6	1468.8	1237.1
52.5°	6435.4	6212.8	6045.1	5929.2	5789.9	5180.0	3575.0	2189.5	1622.3	1295.0	1084.6
55°	6882.7	6636.7	6462.8	6340.9	6177.2	5491.1	3383.9	1956.7	1432.2	1125.3	912.8
57.5°	7274.0	7038.2	6857.2	6691.6	6553.3	5761.5	3006.8	1764.6	1249.3	931.1	726.8
60°	7731.4	7466.1	7251.6	7074.8	6912.1	5900.7	2583.9	1593.9	1054.1	720.7	525.5
62.5°	8348.4	8043.5	7795.5	7593.2	7380.7	5931.2	2295.2	1423.1	836.6	521.5	382.2
65°	9263.3	8887.2	8577.1	8298.6	8011.0	5805.2	2152.9	1237.1	622.1	387.3	320.2
67.5°	9990.1	9599.7	9240.9	8883.1	8515.1	5571.4	2121.4	1065.3	477.8	329.3	287.7
69°	9901.6	9529.6	9200.3	8813.0	8405.4	5277.6	2089.9	999.2	436.1	306.0	272.4
70°	9561.1	9208.4	8874.0	8558.9	8059.8	4950.3	2006.6	962.6	419.8	294.8	261.2
72.5°	8079.1	7670.4	7346.2	6953.8	6428.3	3678.7	1521.7	778.6	385.2	269.4	235.8
75°	5892.6	5554.1	5230.9	4796.8	4285.5	2128.5	947.4	445.2	282.6	244.0	213.5
77.5°	3440.8	3364.6	3052.5	2766.9	2260.7	1083.6	543.8	266.3	219.6	221.6	188.1
80°	1295.0	1379.4	1410.9	1312.3	1212.7	748.1	395.4	216.5	191.1	218.5	159.6
82.5°	944.3	1095.8	1114.1	1067.3	993.1	697.3	316.1	173.8	155.5	234.8	137.2
85°	787.8	872.1	885.4	836.6	812.2	590.6	220.6	122.0	113.8	168.7	102.7
87.5°	398.5	419.8	431.0	390.3	392.4	275.5	88.4	51.8	62.0	72.2	56.9
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):

	175°	180°
0°	3007.8	3007.8
2.5°	2966.1	2972.2
5°	2970.2	2970.2
7.5°	2993.6	2993.6
10°	3019.0	3020.0
12.5°	3042.4	3041.3
15°	3060.7	3057.6
17.5°	3071.8	3068.8
20°	3060.7	3055.6
22.5°	3003.7	2989.5
25°	2900.0	2881.8
27.5°	2762.8	2750.6
30°	2583.9	2565.6
32.5°	2374.5	2365.4
35°	2174.3	2163.1
37.5°	1991.3	1988.3
40°	1836.8	1820.5
42.5°	1655.9	1648.7
45°	1471.9	1467.8
47.5°	1299.1	1295.0
50°	1139.5	1131.4
52.5°	982.9	969.7
55°	809.1	800.0
57.5°	621.1	612.9
60°	437.1	427.9
62.5°	311.0	300.9
65°	259.2	251.1
67.5°	234.8	225.7
69°	223.6	215.5
70°	216.5	210.4
72.5°	201.3	197.2
75°	184.0	180.9
77.5°	161.6	156.5
80°	135.2	130.1
82.5°	113.8	108.8
85°	76.2	69.1
87.5°	34.6	30.5
90°	0.0	0.0

(END OF REPORT)