

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: INVUE

Report Number: P180313

Luminaire Tested: **ICM-F06-LED-E1-RW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180313
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-RW
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14393.9 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

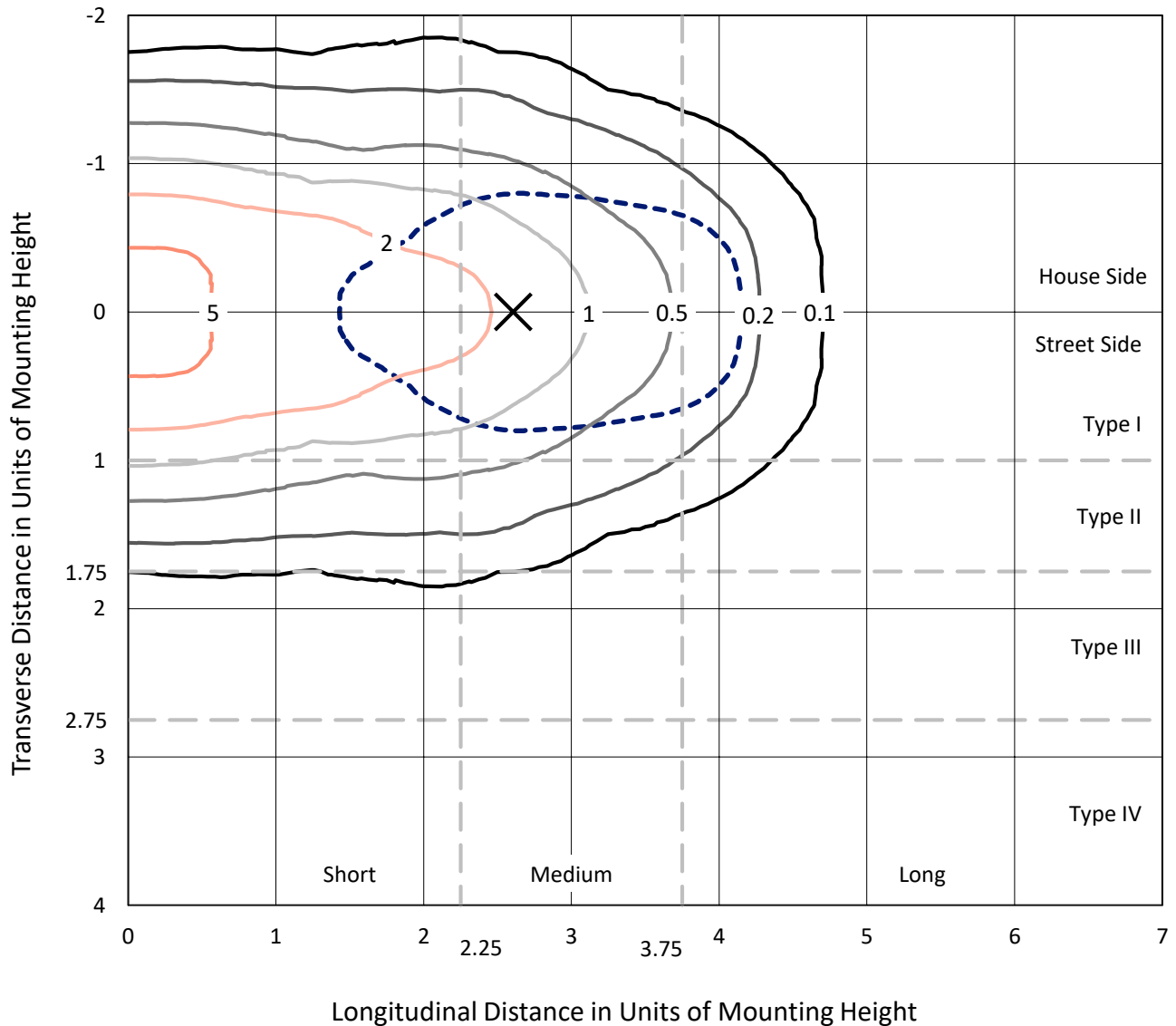
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

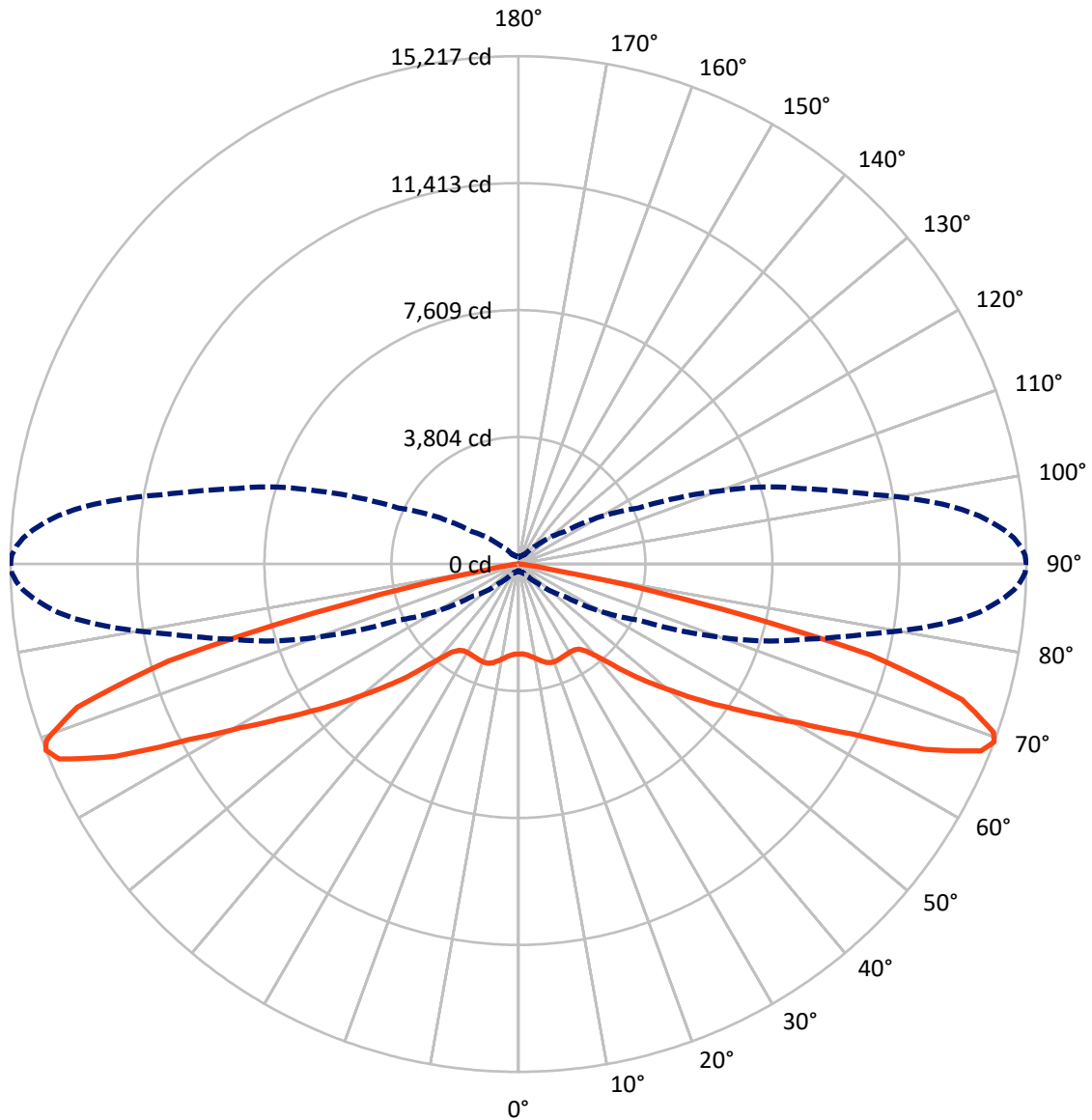
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7196.9	0.0	7196.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7196.9	0.0	7196.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14393.9	0.0	14393.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.5	1.8
10°-20°	834.5	5.8
20°-30°	1352.0	9.4
30°-40°	1685.0	11.7
40°-50°	2105.6	14.6
50°-60°	2599.9	18.1
60°-70°	3230.5	22.4
70°-80°	2144.7	14.9
80°-90°	177.1	1.2
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°	14393.9	100.0
0°-180°	14393.9	100.0



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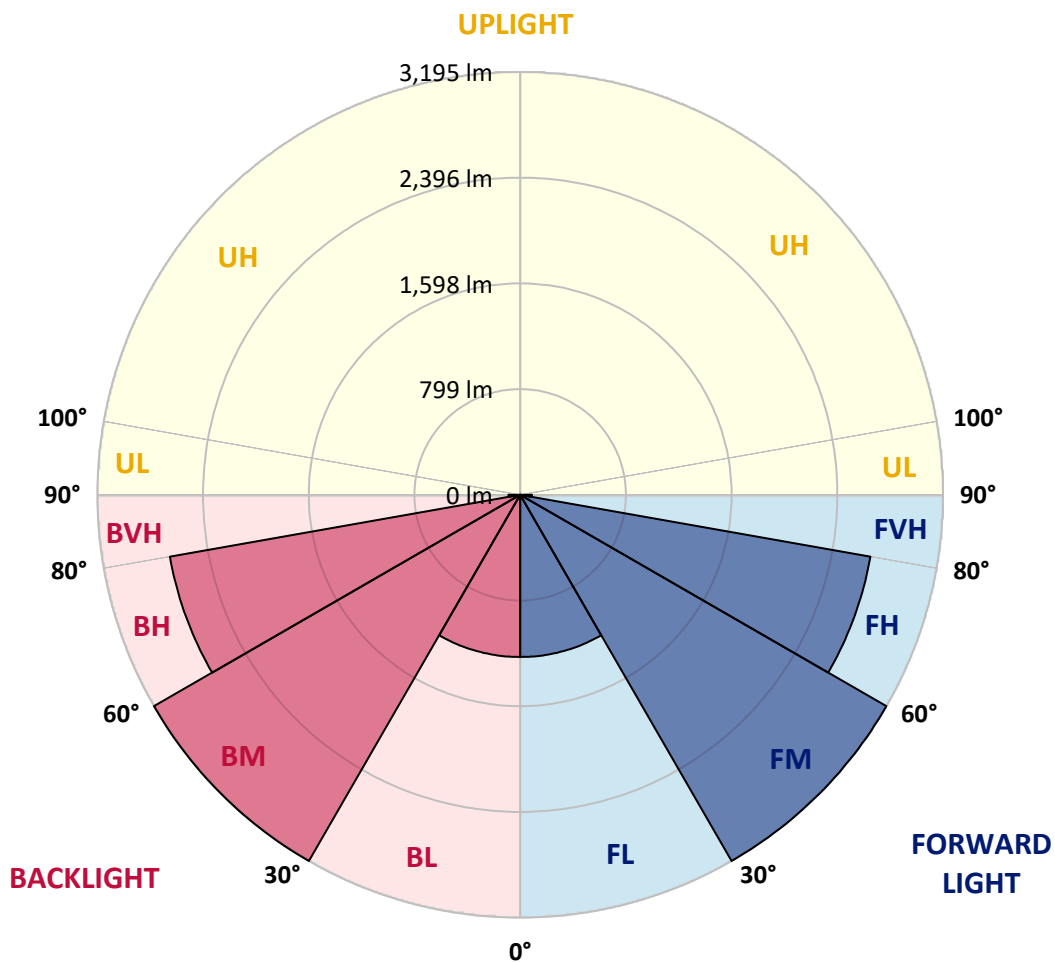
CATALOG NUMBER: ICM-F06-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1225.6	8.5			
FM	(30°-60°)	3195.2	22.2			
FH	(60°-80°)	2687.6	18.7			G2/5000
FVH	(80°-90°)	88.5	0.6			G1/100
BL	(0°-30°)	1225.6	8.5	B3/2500		
BM	(30°-60°)	3195.2	22.2	B3/5000		
BH	(60°-80°)	2687.6	18.7	B4/5000		G4/5000
BVH	(80°-90°)	88.5	0.6			G1/100
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9
2.5°	2709.2	2711.6	2710.1	2713.1	2712.4	2712.4	2710.8	2707.7	2705.9	2704.6	2704.8
5°	2735.5	2732.3	2736.9	2741.6	2739.9	2740.8	2739.9	2739.9	2738.4	2738.2	2738.2
7.5°	2763.0	2762.2	2765.3	2777.7	2779.2	2783.7	2789.1	2792.9	2793.7	2794.4	2793.7
10°	2786.9	2787.6	2795.3	2812.9	2822.2	2836.7	2851.4	2862.9	2867.1	2869.8	2869.4
12.5°	2806.1	2806.8	2818.2	2846.0	2868.3	2895.8	2927.4	2945.0	2952.7	2954.1	2955.5
15°	2807.6	2809.9	2829.8	2875.2	2919.6	2965.0	3002.6	3026.4	3032.6	3036.8	3037.0
17.5°	2787.6	2789.1	2822.9	2889.7	2964.2	3034.9	3074.1	3084.9	3087.1	3088.6	3087.8
20°	2735.4	2739.2	2786.8	2885.9	2999.6	3091.7	3132.4	3117.8	3110.5	3109.7	3108.8
22.5°	2650.9	2650.2	2712.4	2846.0	3006.5	3136.2	3172.3	3134.0	3111.3	3106.6	3103.5
25°	2514.2	2523.4	2596.4	2756.1	2967.3	3146.3	3200.8	3142.3	3109.8	3102.4	3093.6
27.5°	2366.0	2371.4	2448.9	2620.2	2875.9	3111.6	3214.5	3159.3	3122.8	3112.6	3102.3
30°	2193.2	2200.1	2283.1	2462.0	2729.3	3022.5	3210.7	3197.7	3155.1	3142.9	3129.9
32.5°	2024.2	2031.9	2106.4	2302.2	2574.9	2900.5	3187.7	3252.2	3208.4	3194.9	3181.4
35°	1849.2	1860.7	1951.3	2149.4	2425.9	2764.6	3152.4	3322.1	3297.9	3286.0	3274.2
37.5°	1704.0	1706.3	1793.9	2002.0	2287.6	2634.8	3105.5	3410.4	3428.0	3428.0	3429.6
40°	1542.0	1556.7	1644.1	1863.8	2162.4	2524.9	3061.0	3530.3	3622.0	3638.8	3651.7
42.5°	1396.8	1398.4	1487.5	1714.1	2026.6	2436.7	3036.4	3674.6	3870.8	3906.6	3942.4
45°	1244.1	1250.2	1330.8	1549.7	1870.0	2332.3	3035.6	3841.2	4154.5	4214.7	4270.4
47.5°	1099.7	1102.0	1187.2	1390.7	1690.2	2186.2	3030.3	4020.1	4446.7	4535.4	4608.0
50°	961.5	959.1	1042.9	1238.7	1512.8	1995.1	2983.5	4222.9	4761.5	4862.5	4952.0
52.5°	803.3	814.0	900.8	1088.2	1351.6	1800.8	2846.7	4444.9	5089.1	5206.0	5318.3
55°	648.1	652.7	745.7	920.7	1188.0	1619.5	2608.7	4649.1	5408.6	5541.2	5666.0
57.5°	477.7	491.4	572.8	745.7	1022.1	1466.8	2306.1	4755.0	5679.3	5832.2	5980.5
60°	337.1	347.9	420.1	565.2	840.2	1306.2	2045.8	4695.9	5897.0	6092.2	6270.5
62.5°	262.7	271.1	328.7	423.1	655.1	1145.8	1859.2	4504.8	6138.9	6393.5	6636.7
65°	230.4	238.1	290.2	338.6	489.1	982.1	1757.0	4302.7	6462.9	6838.0	7177.0
67.5°	208.1	217.3	262.6	296.4	398.5	857.0	1730.2	4175.3	6621.9	7110.4	7567.3
69°	198.1	207.3	248.0	276.5	370.1	812.5	1684.1	3974.8	6407.3	6929.3	7428.5
70°	192.0	199.6	237.3	266.4	360.9	781.8	1607.3	3724.5	6113.2	6640.2	7161.8
72.5°	178.1	182.0	215.1	243.4	334.9	632.0	1236.4	2766.1	4836.9	5350.8	5857.2
75°	157.4	162.0	192.7	220.4	261.0	392.4	782.5	1711.0	3256.9	3639.7	4109.4
77.5°	135.9	139.7	166.6	210.4	202.7	245.0	467.7	952.2	1848.8	2071.3	2376.7
80°	109.0	113.7	137.5	208.9	167.4	190.5	336.4	665.9	907.7	974.1	1047.4
82.5°	79.9	83.7	107.5	168.9	128.3	143.6	256.6	564.5	648.6	678.5	693.2
85°	40.7	41.5	68.4	102.9	81.4	74.4	144.4	386.2	440.0	447.5	458.9
87.5°	6.9	6.9	15.3	17.7	19.9	12.3	18.4	66.0	76.4	75.9	82.2
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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CATALOG NUMBER: ICM-F06-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9
2.5°	2705.7	2705.2	2706.2	2706.3	2707.3	2704.4	2703.7	2703.2	2703.1	2704.7	2703.1
5°	2738.8	2738.6	2739.2	2740.5	2740.1	2738.3	2738.0	2738.4	2736.2	2735.4	2736.9
7.5°	2795.3	2794.5	2792.9	2795.4	2797.1	2797.2	2799.0	2797.6	2796.9	2796.1	2797.6
10°	2872.1	2871.7	2872.0	2874.7	2876.6	2876.9	2878.7	2876.7	2875.9	2877.4	2877.4
12.5°	2958.3	2956.7	2960.4	2961.9	2964.2	2968.8	2966.5	2969.6	2967.3	2971.2	2971.2
15°	3039.6	3040.8	3044.1	3045.5	3046.1	3049.8	3050.3	3052.5	3049.5	3050.3	3056.4
17.5°	3090.2	3089.4	3091.7	3092.9	3094.9	3096.9	3100.5	3102.5	3100.9	3100.9	3104.0
20°	3107.2	3104.9	3105.5	3106.6	3106.9	3108.8	3111.4	3111.6	3111.6	3112.4	3115.6
22.5°	3098.8	3094.9	3091.0	3091.3	3091.6	3091.1	3092.9	3094.0	3095.6	3097.1	3100.9
25°	3087.1	3078.3	3071.0	3070.3	3068.2	3068.4	3069.3	3069.4	3071.0	3073.3	3076.3
27.5°	3088.3	3076.6	3064.8	3060.7	3056.6	3054.0	3052.9	3051.0	3052.5	3054.9	3057.9
30°	3114.6	3096.2	3079.5	3074.3	3068.2	3063.0	3058.5	3053.3	3050.3	3052.5	3054.2
32.5°	3160.9	3142.9	3126.3	3117.8	3109.4	3100.1	3091.7	3086.3	3079.5	3077.0	3076.3
35°	3259.1	3245.0	3230.0	3220.4	3206.3	3199.1	3188.8	3173.9	3163.2	3162.3	3156.3
37.5°	3425.0	3418.1	3407.3	3397.4	3392.8	3373.6	3361.3	3353.6	3341.3	3349.0	3335.9
40°	3663.2	3674.6	3684.5	3678.7	3680.6	3675.5	3668.1	3675.4	3666.9	3664.6	3666.9
42.5°	3968.4	4008.9	4037.0	4045.9	4068.7	4077.6	4094.2	4120.0	4114.6	4143.7	4149.1
45°	4322.1	4379.9	4436.3	4478.3	4524.0	4575.9	4627.8	4669.1	4701.2	4699.7	4735.1
47.5°	4682.8	4768.5	4843.4	4906.4	4988.8	5065.0	5148.9	5233.5	5294.9	5318.0	5325.6
50°	5048.4	5147.1	5249.5	5342.4	5453.6	5575.5	5707.5	5839.4	5905.3	5959.2	5995.3
52.5°	5431.3	5544.3	5653.5	5784.6	5921.7	6082.6	6247.5	6435.3	6535.1	6636.5	6690.3
55°	5795.5	5921.9	6034.5	6209.7	6378.0	6570.2	6785.3	7022.7	7195.6	7314.6	7419.8
57.5°	6126.5	6260.9	6399.2	6596.9	6811.4	7036.0	7308.9	7597.3	7785.3	7992.6	8179.2
60°	6449.5	6618.6	6777.8	7036.1	7291.4	7570.5	7910.2	8275.2	8566.3	8848.1	9063.1
62.5°	6878.2	7095.2	7293.1	7618.1	7951.5	8296.5	8700.5	9132.3	9554.7	9937.1	10226.6
65°	7511.3	7830.4	8126.3	8538.0	8959.0	9413.1	9895.5	10446.9	10953.8	11459.9	11874.6
67.5°	7991.9	8395.8	8776.0	9273.7	9769.2	10295.4	10878.4	11529.7	12157.1	12727.7	13233.0
69°	7897.6	8326.0	8737.5	9245.8	9761.0	10298.3	10886.4	11578.9	12231.0	12850.7	13392.8
70°	7610.6	8057.0	8483.4	8987.6	9509.5	10048.2	10663.9	11344.0	12011.2	12671.7	13219.2
72.5°	6307.4	6755.3	7169.4	7685.4	8210.7	8776.7	9359.6	10022.3	10734.9	11440.6	11920.6
75°	4522.3	4918.2	5319.6	5756.0	6268.5	6734.9	7268.1	7900.5	8499.5	9047.0	9414.1
77.5°	2672.9	2909.9	3196.1	3401.4	3699.0	3955.7	4227.2	4578.4	4762.7	5115.9	5206.6
80°	1089.1	1082.5	1125.0	1082.9	1092.3	1057.9	1021.2	1014.4	956.8	1029.0	975.3
82.5°	691.7	643.4	592.1	520.8	458.0	392.1	331.6	281.1	271.8	273.3	270.3
85°	455.7	434.8	388.6	326.7	266.3	213.7	171.0	135.2	133.6	131.3	130.5
87.5°	82.5	76.6	63.0	53.8	45.3	33.8	23.8	17.7	16.9	16.9	20.0
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):

	84°	85°	86°	87°	88°	89°	90°
0°	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9	2696.9
2.5°	2703.1	2703.2	2702.3	2703.8	2703.1	2700.9	2698.5
5°	2738.4	2735.5	2737.7	2740.0	2736.2	2736.9	2735.4
7.5°	2797.6	2796.9	2797.6	2795.3	2793.8	2796.1	2798.3
10°	2880.6	2879.0	2878.2	2880.6	2879.0	2877.4	2878.3
12.5°	2973.4	2973.4	2972.7	2973.4	2972.7	2970.4	2968.9
15°	3055.6	3057.1	3057.1	3055.6	3054.8	3054.1	3054.8
17.5°	3106.3	3105.5	3105.5	3105.5	3104.8	3105.5	3107.1
20°	3119.4	3117.0	3117.0	3118.5	3117.0	3118.5	3119.4
22.5°	3101.7	3101.7	3101.7	3102.5	3104.0	3104.0	3105.5
25°	3079.5	3079.5	3079.5	3080.9	3080.9	3081.7	3082.5
27.5°	3061.8	3061.8	3061.8	3063.3	3063.3	3064.0	3065.6
30°	3056.4	3056.4	3055.6	3056.4	3057.1	3057.1	3057.9
32.5°	3077.1	3074.8	3074.1	3072.6	3071.0	3070.9	3070.2
35°	3150.1	3143.9	3144.7	3140.1	3141.6	3137.8	3134.7
37.5°	3327.5	3321.3	3314.4	3305.1	3299.8	3306.7	3306.7
40°	3659.2	3663.1	3646.2	3641.5	3631.6	3638.4	3647.7
42.5°	4152.2	4156.9	4159.9	4134.5	4133.8	4128.4	4113.0
45°	4736.6	4725.9	4730.4	4718.9	4714.4	4697.5	4718.2
47.5°	5354.8	5361.7	5334.1	5324.9	5341.0	5313.3	5317.1
50°	6016.0	6017.5	5996.8	5992.1	6006.7	5954.5	5979.1
52.5°	6728.6	6731.8	6747.9	6728.6	6736.3	6724.0	6748.6
55°	7486.6	7544.2	7549.6	7570.3	7571.9	7597.2	7571.9
57.5°	8282.9	8348.1	8409.7	8493.4	8511.8	8501.8	8517.9
60°	9242.1	9413.3	9505.5	9636.8	9657.5	9714.4	9665.3
62.5°	10498.5	10764.9	10966.1	11067.4	11128.9	11247.9	11208.8
65°	12255.5	12572.6	12878.2	13024.2	13185.4	13354.4	13385.1
67.5°	13694.6	14047.1	14364.9	14617.6	14814.2	14938.7	14948.6
69°	13874.3	14249.0	14583.9	14864.9	15056.1	15183.5	15217.4
70°	13712.3	14095.5	14450.2	14718.2	14931.8	15061.5	15106.8
72.5°	12424.4	12880.6	13164.7	13438.1	13739.2	13778.3	13902.7
75°	9834.9	10244.2	10523.0	10595.2	10752.6	10950.8	10880.1
77.5°	5129.8	5307.9	5367.1	5241.1	5235.0	5350.9	5120.6
80°	976.8	978.3	962.2	956.1	967.6	956.1	939.9
82.5°	275.7	271.8	269.6	275.7	274.9	274.1	279.5
85°	127.4	123.6	117.5	117.5	120.6	115.9	118.2
87.5°	17.7	14.6	14.6	14.6	13.8	13.8	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)