

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: P180311

Luminaire Tested: **ICM-F06-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180311
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-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12148.3 lumens
Efficiency: N/A
Efficacy: 77.6 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: B3 - U0 - G3

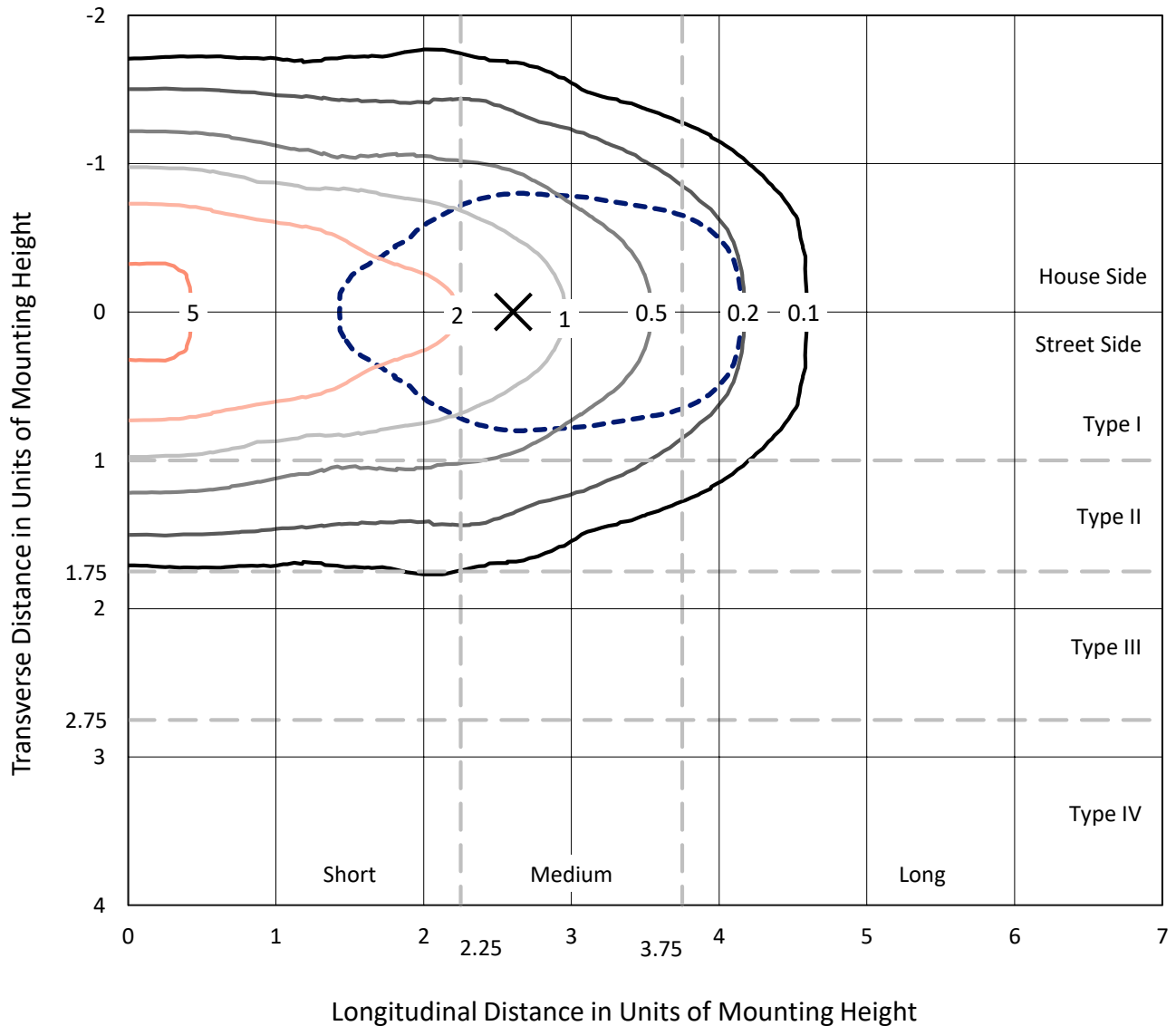
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

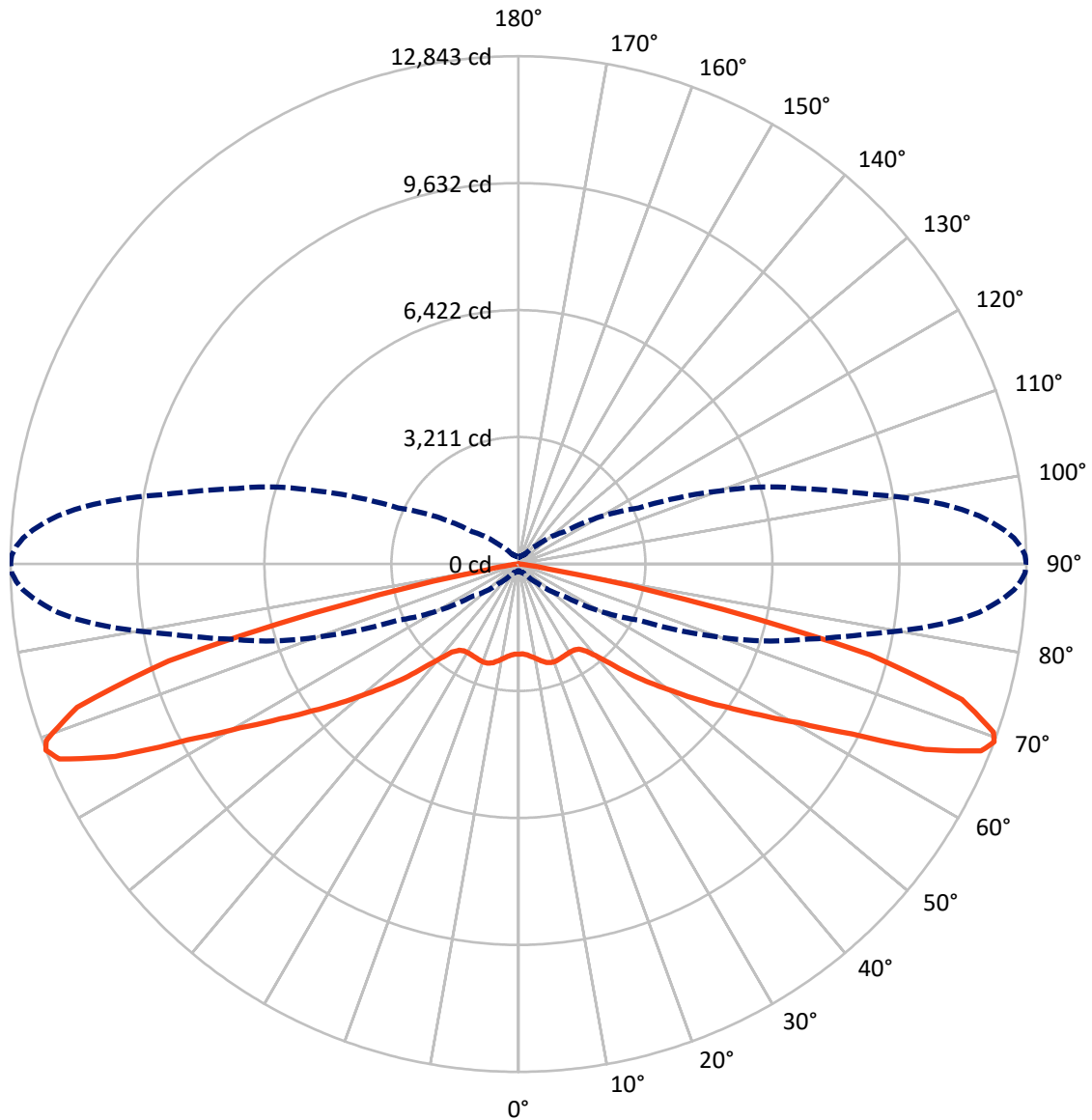
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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	6074.2	0.0	6074.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6074.2	0.0	6074.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12148.3	0.0	12148.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	1.8
10°-20°	704.3	5.8
20°-30°	1141.1	9.4
30°-40°	1422.1	11.7
40°-50°	1777.1	14.6
50°-60°	2194.3	18.1
60°-70°	2726.6	22.4
70°-80°	1810.1	14.9
80°-90°	149.4	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°	12148.3	100.0
0°-180°	12148.3	100.0



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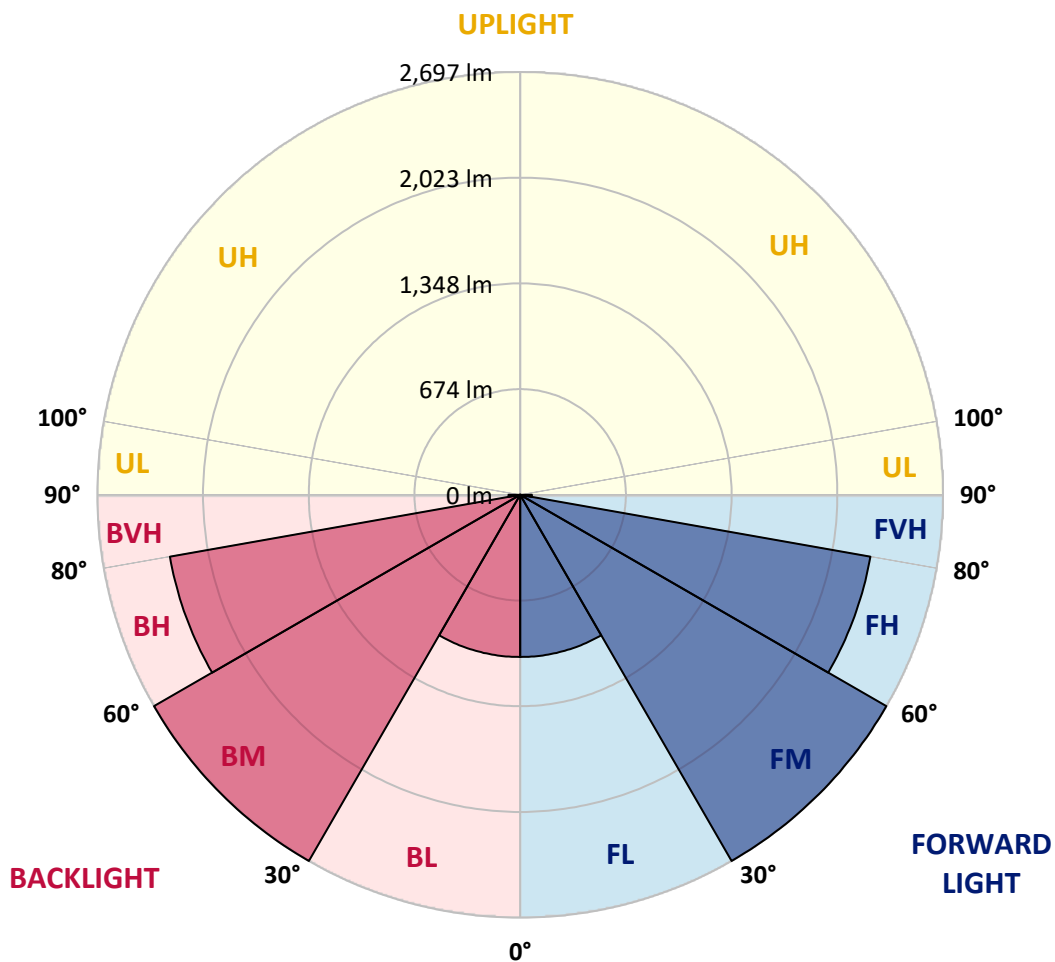
CATALOG NUMBER: ICM-F06-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1034.4	8.5			
FM	(30°-60°)	2696.8	22.2			
FH	(60°-80°)	2268.3	18.7			G2/5000
FVH	(80°-90°)	74.7	0.6			G1/100
BL	(0°-30°)	1034.4	8.5	B3/2500		
BM	(30°-60°)	2696.8	22.2	B3/5000		
BH	(60°-80°)	2268.3	18.7	B3/2500		G3/2500
BVH	(80°-90°)	74.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2
2.5°	2286.6	2288.6	2287.3	2289.9	2289.1	2289.1	2287.9	2285.3	2283.7	2282.6	2282.8
5°	2308.7	2306.1	2310.0	2313.9	2312.6	2313.1	2312.6	2312.6	2311.2	2311.1	2311.0
7.5°	2332.0	2331.4	2334.0	2344.3	2345.6	2349.4	2354.1	2357.2	2357.9	2358.5	2357.9
10°	2352.0	2352.8	2359.3	2374.2	2381.9	2394.2	2406.5	2416.2	2419.8	2422.1	2421.8
12.5°	2368.2	2368.9	2378.6	2402.0	2420.8	2444.1	2470.7	2485.6	2492.0	2493.2	2494.3
15°	2369.6	2371.5	2388.4	2426.6	2464.2	2502.4	2534.2	2554.3	2559.5	2563.0	2563.3
17.5°	2352.7	2354.1	2382.5	2438.9	2501.8	2561.4	2594.4	2603.6	2605.5	2606.8	2606.2
20°	2308.7	2311.9	2352.0	2435.7	2531.6	2609.3	2643.7	2631.5	2625.2	2624.6	2623.8
22.5°	2237.4	2236.7	2289.1	2402.0	2537.5	2647.0	2677.4	2645.0	2625.9	2622.0	2619.3
25°	2122.0	2129.7	2191.3	2326.2	2504.4	2655.5	2701.4	2652.1	2624.6	2618.4	2611.0
27.5°	1996.8	2001.5	2066.9	2211.4	2427.2	2626.2	2713.1	2666.4	2635.6	2627.0	2618.3
30°	1851.0	1856.9	1926.9	2078.0	2303.5	2551.1	2709.8	2698.8	2662.8	2652.6	2641.6
32.5°	1708.5	1715.0	1777.9	1943.1	2173.1	2448.0	2690.4	2744.9	2707.9	2696.5	2685.0
35°	1560.7	1570.4	1646.9	1814.2	2047.5	2333.2	2660.6	2803.8	2783.4	2773.3	2763.3
37.5°	1438.2	1440.2	1514.1	1689.7	1930.8	2223.7	2621.0	2878.3	2893.2	2893.2	2894.5
40°	1301.5	1313.8	1387.6	1573.0	1825.1	2131.1	2583.5	2979.5	3056.9	3071.1	3082.1
42.5°	1179.0	1180.3	1255.4	1446.6	1710.4	2056.5	2562.7	3101.2	3266.9	3297.1	3327.4
45°	1050.1	1055.2	1123.2	1307.9	1578.2	1968.4	2562.1	3241.9	3506.3	3557.1	3604.1
47.5°	928.2	930.1	1002.1	1173.8	1426.5	1845.2	2557.5	3393.0	3753.0	3827.8	3889.1
50°	811.5	809.5	880.2	1045.4	1276.8	1683.9	2518.0	3564.0	4018.7	4103.9	4179.5
52.5°	678.0	687.1	760.3	918.3	1140.7	1519.8	2402.6	3751.4	4295.2	4393.8	4488.6
55°	547.0	550.9	629.3	777.1	1002.6	1366.9	2201.7	3923.7	4564.8	4676.7	4782.0
57.5°	403.2	414.8	483.5	629.4	862.7	1238.0	1946.3	4013.2	4793.2	4922.3	5047.4
60°	284.5	293.6	354.5	477.0	709.0	1102.5	1726.6	3963.4	4977.0	5141.8	5292.2
62.5°	221.7	228.8	277.4	357.1	552.8	967.1	1569.1	3801.9	5181.1	5396.1	5601.2
65°	194.4	200.9	245.0	285.8	412.8	828.9	1483.0	3631.5	5454.6	5771.2	6057.3
67.5°	175.6	183.4	221.7	250.2	336.4	723.4	1460.3	3523.9	5588.9	6001.1	6386.6
69°	167.3	175.0	209.3	233.3	312.4	685.8	1421.4	3354.7	5407.7	5848.3	6269.6
70°	162.0	168.5	200.3	224.9	304.6	659.8	1356.5	3143.5	5159.5	5604.2	6044.5
72.5°	150.3	153.6	181.5	205.4	282.6	533.4	1043.5	2334.5	4082.3	4516.0	4943.4
75°	132.8	136.7	162.7	186.0	220.4	331.2	660.5	1444.1	2748.8	3071.9	3468.3
77.5°	114.7	118.0	140.7	177.7	171.2	206.8	394.7	803.7	1560.4	1748.1	2005.9
80°	92.1	95.9	116.0	176.3	141.3	160.7	283.9	562.0	766.1	822.1	883.9
82.5°	67.3	70.7	90.8	142.5	108.3	121.1	216.6	476.4	547.4	572.7	585.0
85°	34.4	35.0	57.7	86.9	68.7	62.9	121.9	326.0	371.4	377.7	387.4
87.5°	5.8	5.8	13.0	14.9	16.8	10.4	15.5	55.7	64.5	64.0	69.4
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2
2.5°	2283.6	2283.2	2284.0	2284.1	2284.9	2282.4	2282.0	2281.4	2281.4	2282.7	2281.4
5°	2311.5	2311.4	2311.8	2312.9	2312.7	2311.1	2310.8	2311.3	2309.2	2308.7	2310.0
7.5°	2359.2	2358.5	2357.2	2359.3	2360.8	2360.9	2362.3	2361.1	2360.5	2359.8	2361.1
10°	2424.0	2423.7	2424.0	2426.2	2427.8	2428.0	2429.6	2427.9	2427.3	2428.5	2428.5
12.5°	2496.9	2495.4	2498.5	2499.8	2501.8	2505.7	2503.7	2506.3	2504.4	2507.6	2507.6
15°	2565.5	2566.3	2569.2	2570.4	2570.9	2574.0	2574.5	2576.4	2573.8	2574.3	2579.6
17.5°	2608.1	2607.5	2609.3	2610.4	2612.1	2613.8	2616.8	2618.4	2617.1	2617.1	2619.7
20°	2622.4	2620.5	2621.0	2622.0	2622.2	2623.7	2626.0	2626.2	2626.2	2626.9	2629.4
22.5°	2615.3	2612.0	2608.8	2608.9	2609.2	2608.9	2610.4	2611.3	2612.7	2614.0	2617.1
25°	2605.5	2598.1	2591.8	2591.4	2589.5	2589.7	2590.4	2590.5	2591.8	2593.9	2596.4
27.5°	2606.5	2596.6	2586.7	2583.2	2579.6	2577.5	2576.6	2575.0	2576.4	2578.2	2580.9
30°	2628.7	2613.2	2599.0	2594.6	2589.5	2585.1	2581.4	2576.9	2574.3	2576.3	2577.6
32.5°	2667.8	2652.6	2638.5	2631.4	2624.3	2616.5	2609.4	2604.8	2599.0	2597.0	2596.5
35°	2750.7	2738.7	2726.0	2718.0	2706.1	2700.0	2691.3	2678.7	2669.7	2669.0	2663.8
37.5°	2890.6	2884.9	2875.7	2867.3	2863.5	2847.2	2836.9	2830.3	2820.0	2826.4	2815.5
40°	3091.7	3101.4	3109.8	3104.8	3106.3	3102.1	3095.8	3102.0	3094.9	3092.9	3094.9
42.5°	3349.2	3383.5	3407.3	3414.7	3433.9	3441.4	3455.5	3477.2	3472.7	3497.3	3501.8
45°	3647.8	3696.7	3744.2	3779.7	3818.3	3862.1	3905.9	3940.7	3967.8	3966.5	3996.3
47.5°	3952.3	4024.6	4087.7	4141.0	4210.5	4274.8	4345.6	4417.0	4468.9	4488.3	4494.7
50°	4260.9	4344.1	4430.6	4508.9	4602.8	4705.7	4817.1	4928.4	4984.1	5029.4	5059.9
52.5°	4584.0	4679.4	4771.6	4882.1	4997.9	5133.7	5272.8	5431.3	5515.6	5601.2	5646.5
55°	4891.3	4998.0	5093.1	5241.0	5383.0	5545.2	5726.7	5927.1	6073.0	6173.4	6262.2
57.5°	5170.6	5284.1	5400.9	5567.7	5748.8	5938.3	6168.6	6411.9	6570.7	6745.7	6903.2
60°	5443.4	5586.1	5720.3	5938.5	6153.9	6389.3	6676.1	6984.2	7229.9	7467.8	7649.2
62.5°	5805.2	5988.3	6155.3	6429.5	6711.0	7002.1	7343.2	7707.6	8064.0	8386.8	8631.1
65°	6339.5	6608.8	6858.5	7206.1	7561.3	7944.5	8351.7	8817.2	9244.9	9672.1	10022.0
67.5°	6745.1	7086.0	7406.8	7826.9	8245.2	8689.2	9181.3	9731.0	10260.5	10742.1	11168.6
69°	6665.5	7027.1	7374.4	7803.4	8238.1	8691.7	9188.0	9772.4	10322.8	10845.8	11303.3
70°	6423.2	6800.0	7159.9	7585.4	8025.9	8480.6	9000.1	9574.2	10137.4	10694.8	11156.9
72.5°	5323.4	5701.4	6050.9	6486.5	6929.8	7407.5	7899.4	8458.7	9060.1	9655.9	10060.9
75°	3816.7	4150.9	4489.6	4858.0	5290.5	5684.2	6134.3	6667.9	7173.5	7635.6	7945.4
77.5°	2255.9	2455.9	2697.6	2870.8	3121.9	3338.6	3567.6	3864.1	4019.7	4317.8	4394.4
80°	919.2	913.6	949.5	914.0	921.9	892.8	861.9	856.2	807.5	868.5	823.1
82.5°	583.8	543.1	499.7	439.5	386.5	331.0	279.9	237.2	229.4	230.7	228.1
85°	384.6	367.0	328.0	275.7	224.7	180.3	144.3	114.0	112.7	110.9	110.1
87.5°	69.6	64.6	53.1	45.3	38.2	28.5	20.1	14.9	14.2	14.2	16.8
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):

	84°	85°	86°	87°	88°	89°	90°
0°	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2	2276.2
2.5°	2281.4	2281.4	2280.8	2282.1	2281.4	2279.5	2277.5
5°	2311.3	2308.7	2310.6	2312.6	2309.3	2310.0	2308.7
7.5°	2361.1	2360.5	2361.1	2359.3	2358.0	2359.8	2361.8
10°	2431.1	2429.8	2429.2	2431.1	2429.8	2428.5	2429.2
12.5°	2509.6	2509.6	2508.9	2509.6	2508.9	2507.0	2505.7
15°	2578.9	2580.2	2580.2	2578.9	2578.2	2577.6	2578.2
17.5°	2621.7	2621.0	2621.0	2621.0	2620.4	2621.0	2622.3
20°	2632.7	2630.7	2630.7	2632.0	2630.7	2632.0	2632.7
22.5°	2617.8	2617.8	2617.8	2618.5	2619.7	2619.7	2621.0
25°	2599.0	2599.0	2599.0	2600.3	2600.3	2600.9	2601.6
27.5°	2584.0	2584.0	2584.0	2585.4	2585.4	2586.1	2587.4
30°	2579.6	2579.6	2579.0	2579.6	2580.2	2580.3	2580.9
32.5°	2597.0	2595.2	2594.4	2593.1	2591.8	2591.8	2591.2
35°	2658.6	2653.4	2654.1	2650.2	2651.6	2648.2	2645.7
37.5°	2808.4	2803.2	2797.4	2789.6	2785.0	2790.9	2790.8
40°	3088.4	3091.6	3077.3	3073.5	3064.9	3070.8	3078.6
42.5°	3504.4	3508.3	3510.9	3489.5	3489.0	3484.3	3471.4
45°	3997.7	3988.6	3992.5	3982.7	3978.9	3964.7	3982.1
47.5°	4519.5	4525.2	4501.9	4494.2	4507.7	4484.4	4487.7
50°	5077.4	5078.7	5061.2	5057.3	5069.6	5025.6	5046.4
52.5°	5678.9	5681.4	5695.1	5678.9	5685.4	5675.1	5695.8
55°	6318.6	6367.3	6371.8	6389.2	6390.6	6411.9	6390.6
57.5°	6990.7	7045.8	7097.7	7168.3	7183.9	7175.5	7189.1
60°	7800.2	7944.8	8022.6	8133.4	8150.9	8198.8	8157.4
62.5°	8860.6	9085.5	9255.3	9340.9	9392.7	9493.2	9460.2
65°	10343.5	10611.2	10869.1	10992.3	11128.4	11271.0	11296.9
67.5°	11558.1	11855.6	12123.9	12337.2	12503.1	12608.1	12616.5
69°	11709.7	12026.1	12308.6	12545.8	12707.2	12814.8	12843.3
70°	11573.0	11896.4	12195.8	12422.0	12602.2	12711.7	12750.0
72.5°	10486.1	10871.1	11111.0	11341.7	11595.7	11628.7	11733.7
75°	8300.5	8646.0	8881.3	8942.3	9075.0	9242.3	9182.7
77.5°	4329.5	4479.8	4529.8	4423.5	4418.3	4516.1	4321.7
80°	824.4	825.7	812.1	806.9	816.7	806.9	793.3
82.5°	232.7	229.4	227.5	232.7	232.0	231.4	235.9
85°	107.5	104.4	99.2	99.2	101.8	97.9	99.8
87.5°	14.9	12.3	12.3	12.3	11.6	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)