

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: P148714

Luminaire Tested: **VXM-F06-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148714
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: VXM-F06-LED-E1-RW-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14132.6 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
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



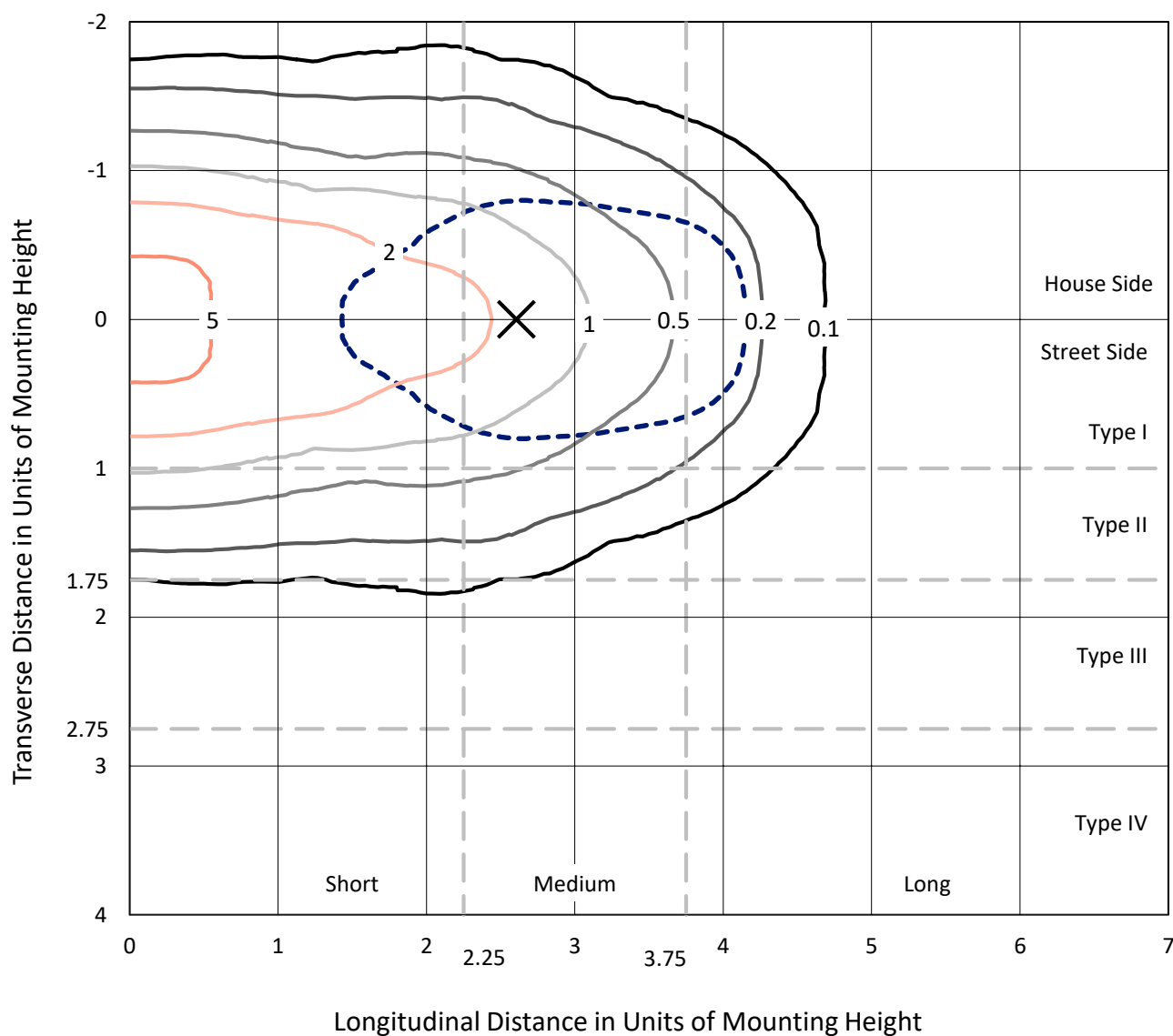
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CATALOG NUMBER: VXM-F06-LED-E1-RW-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

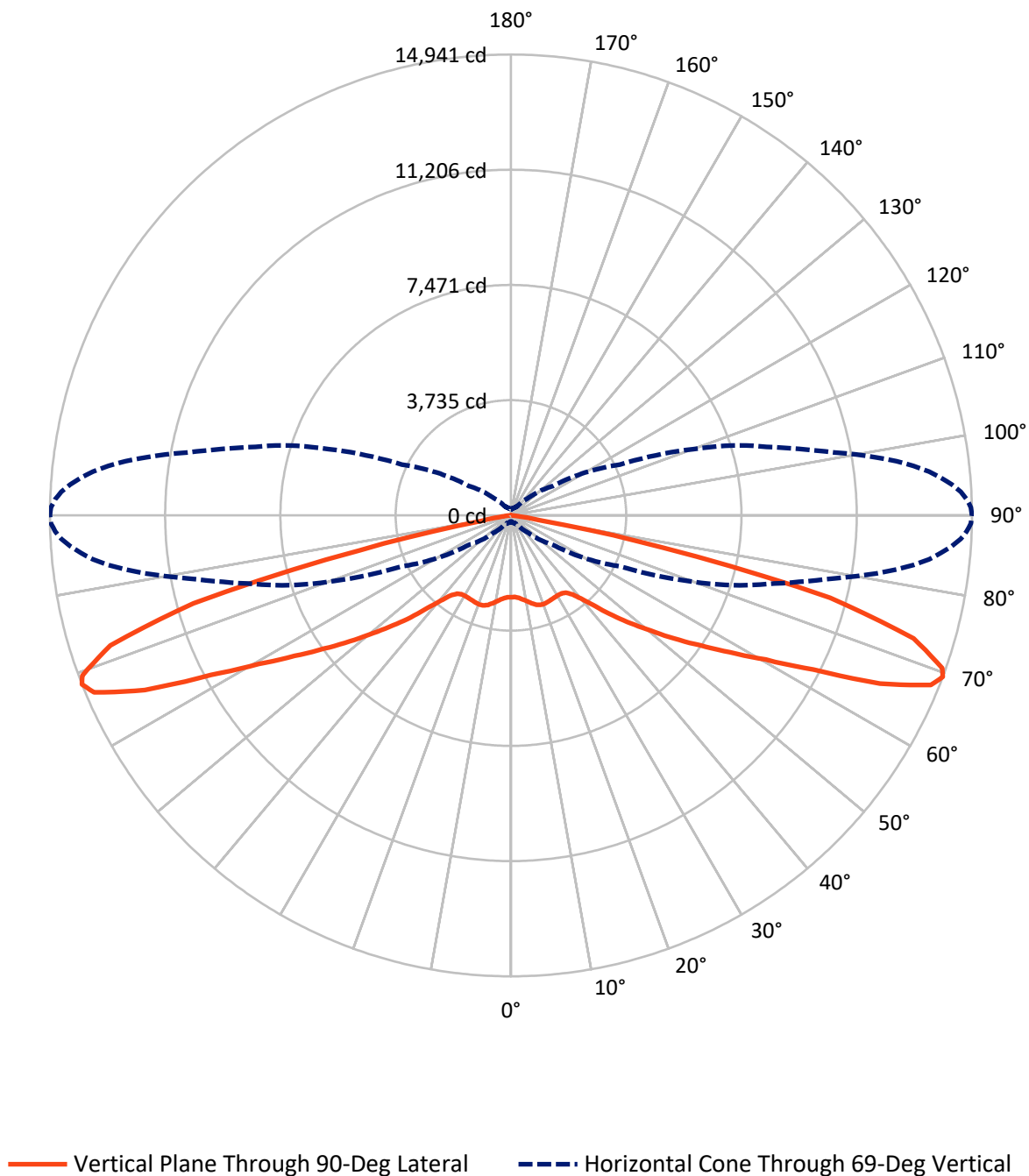


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7066.3	0.0	7066.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7066.3	0.0	7066.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14132.6	0.0	14132.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	1.8
10°-20°	819.4	5.8
20°-30°	1327.5	9.4
30°-40°	1654.4	11.7
40°-50°	2067.4	14.6
50°-60°	2552.7	18.1
60°-70°	3171.9	22.4
70°-80°	2105.7	14.9
80°-90°	173.9	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°	14132.6	100.0
0°-180°	14132.6	100.0

Coefficient of Utilization



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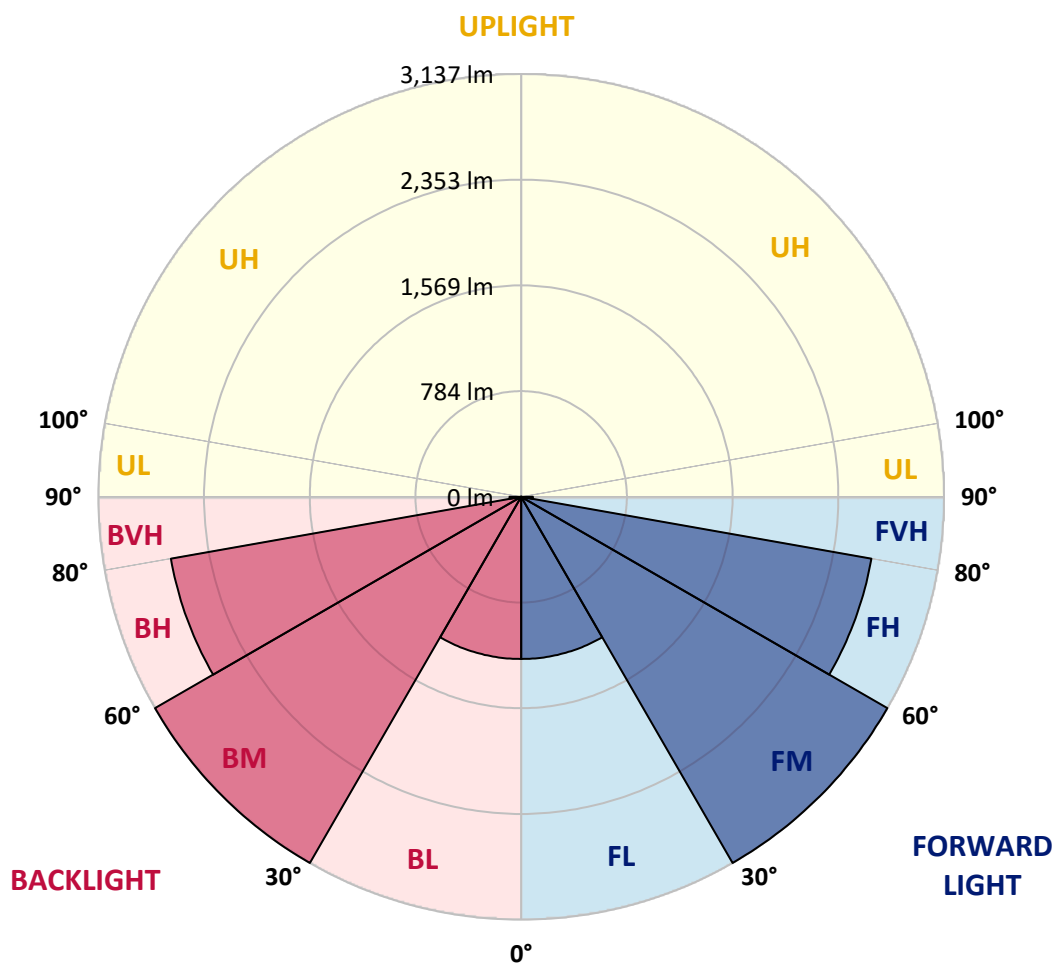
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1203.3	8.5			
FM	(30°-60°)	3137.2	22.2			
FH	(60°-80°)	2638.8	18.7			G2/5000
FVH	(80°-90°)	86.9	0.6			G1/100
BL	(0°-30°)	1203.3	8.5	B3/2500		
BM	(30°-60°)	3137.2	22.2	B3/5000		
BH	(60°-80°)	2638.8	18.7	B4/5000		G4/5000
BVH	(80°-90°)	86.9	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°	66°	67°	68°
0°	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0
2.5°	2660.0	2662.4	2660.8	2663.9	2663.1	2663.1	2661.6	2658.6	2658.2	2657.8	2657.5
5°	2685.8	2682.7	2687.2	2691.8	2690.2	2691.0	2690.2	2690.2	2690.0	2689.6	2689.4
7.5°	2712.9	2712.2	2715.2	2727.2	2728.7	2733.2	2738.5	2742.2	2742.4	2742.6	2742.7
10°	2736.2	2737.0	2744.6	2761.8	2771.0	2785.2	2799.6	2810.9	2811.7	2812.6	2813.4
12.5°	2755.1	2755.8	2767.2	2794.3	2816.1	2843.4	2874.2	2891.6	2893.1	2894.6	2896.1
15°	2756.6	2758.9	2778.5	2823.0	2866.7	2911.1	2948.1	2971.4	2972.7	2973.9	2975.1
17.5°	2737.0	2738.5	2771.6	2837.3	2910.4	2979.8	3018.2	3028.8	3029.2	3029.7	3030.2
20°	2685.7	2689.4	2736.2	2833.5	2945.1	3035.6	3075.6	3061.2	3059.8	3058.3	3056.9
22.5°	2602.8	2602.0	2663.1	2794.3	2951.9	3079.4	3114.8	3077.0	3072.6	3068.1	3063.7
25°	2468.6	2477.6	2549.2	2706.0	2913.4	3089.1	3142.6	3085.4	3078.9	3072.5	3066.1
27.5°	2323.0	2328.3	2404.5	2572.6	2823.7	3055.2	3156.2	3102.0	3094.8	3087.6	3080.5
30°	2153.4	2160.2	2241.6	2417.3	2679.7	2967.7	3152.4	3139.6	3131.3	3122.9	3114.5
32.5°	1987.6	1995.0	2068.2	2260.5	2528.2	2847.8	3129.8	3193.2	3184.6	3176.0	3167.4
35°	1815.6	1826.9	1915.9	2110.4	2381.8	2714.4	3095.2	3261.8	3257.0	3252.2	3247.5
37.5°	1673.1	1675.4	1761.4	1965.6	2246.2	2587.0	3049.2	3348.5	3352.0	3355.4	3358.9
40°	1514.0	1528.4	1614.3	1830.0	2123.2	2479.1	3005.4	3466.1	3484.1	3502.2	3520.2
42.5°	1371.5	1373.0	1460.4	1682.9	1989.8	2392.4	2981.3	3607.8	3646.4	3684.9	3723.4
45°	1221.4	1227.5	1306.7	1521.6	1836.0	2289.9	2980.6	3771.5	3833.0	3894.5	3956.1
47.5°	1079.7	1082.0	1165.7	1365.4	1659.6	2146.6	2975.2	3947.2	4030.9	4114.7	4198.5
50°	944.0	941.8	1024.0	1216.2	1485.4	1958.8	2929.3	4146.2	4252.0	4357.8	4463.6
52.5°	788.7	799.2	884.4	1068.4	1327.0	1768.2	2795.0	4364.2	4490.7	4617.2	4743.7
55°	636.4	640.9	732.1	904.0	1166.4	1590.2	2561.3	4564.6	4713.8	4862.9	5012.1
57.5°	469.0	482.6	562.4	732.2	1003.6	1440.1	2264.2	4668.7	4850.2	5031.7	5213.2
60°	331.0	341.5	412.4	554.9	824.8	1282.6	2008.6	4610.6	4846.5	5082.4	5318.2
62.5°	257.8	266.2	322.7	415.4	643.2	1124.9	1825.4	4422.9	4743.8	5064.7	5385.6
65°	226.2	233.7	285.0	332.5	480.3	964.4	1725.2	4224.6	4648.8	5073.0	5497.2
67.5°	204.4	213.4	257.9	291.0	391.3	841.4	1698.8	4099.5	4579.9	5060.4	5540.8
69°	194.5	203.6	243.6	271.4	363.4	797.8	1653.5	3902.6	4380.3	4858.0	5335.6
70°	188.5	196.0	233.0	261.6	354.4	767.6	1578.2	3656.9	4126.0	4595.0	5064.1
72.5°	174.9	178.7	211.1	239.0	328.7	620.6	1213.9	2715.9	3122.5	3529.2	3935.8
75°	154.6	159.1	189.2	216.4	256.4	385.3	768.3	1679.9	1983.5	2287.0	2590.6
77.5°	133.4	137.2	163.6	206.6	199.0	240.6	459.2	935.0	1111.0	1287.1	1463.1
80°	107.0	111.6	135.0	205.1	164.4	187.0	330.2	653.7	701.2	748.7	796.2
82.5°	78.4	82.2	105.6	165.9	125.9	141.0	251.8	554.2	570.7	587.2	603.7
85°	40.0	40.7	67.1	101.0	80.0	73.1	141.8	379.2	389.8	400.4	410.9
87.5°	6.8	6.8	15.0	17.4	19.6	12.0	18.1	64.8	66.9	68.9	70.9
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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CATALOG NUMBER: VXM-F06-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0
2.5°	2657.1	2656.7	2655.4	2655.6	2656.6	2656.1	2657.0	2657.2	2658.1	2655.2	2654.6
5°	2689.0	2688.8	2688.6	2688.4	2689.0	2688.9	2689.5	2690.7	2690.4	2688.6	2688.3
7.5°	2742.9	2743.0	2743.8	2743.0	2744.5	2743.8	2742.2	2744.7	2746.4	2746.5	2748.1
10°	2814.2	2815.0	2817.7	2817.3	2819.9	2819.6	2820.0	2822.5	2824.3	2824.6	2826.4
12.5°	2897.6	2899.1	2900.5	2901.8	2904.7	2903.0	2906.6	2908.2	2910.4	2915.0	2912.6
15°	2976.3	2977.5	2981.6	2981.9	2984.4	2985.5	2988.8	2990.2	2990.8	2994.4	2995.0
17.5°	3030.6	3031.0	3032.6	3031.8	3034.1	3033.3	3035.6	3036.8	3038.8	3040.7	3044.2
20°	3055.5	3054.0	3053.2	3052.4	3050.8	3048.5	3049.1	3050.2	3050.5	3052.3	3054.9
22.5°	3059.2	3054.8	3050.2	3047.1	3042.5	3038.7	3034.8	3035.1	3035.4	3035.0	3036.7
25°	3059.7	3053.3	3046.1	3037.4	3031.1	3022.4	3015.2	3014.6	3012.5	3012.7	3013.5
27.5°	3073.3	3066.1	3056.1	3046.1	3032.3	3020.7	3009.2	3005.1	3001.1	2998.5	2997.4
30°	3106.2	3097.8	3085.8	3073.0	3058.0	3040.0	3023.5	3018.4	3012.5	3007.4	3003.0
32.5°	3158.8	3150.2	3136.9	3123.6	3103.6	3085.8	3069.5	3061.2	3052.9	3043.9	3035.6
35°	3242.8	3238.0	3226.3	3214.6	3200.0	3186.0	3171.3	3162.0	3148.1	3141.0	3130.9
37.5°	3362.3	3365.8	3365.8	3367.3	3362.8	3356.0	3345.4	3335.7	3331.1	3312.3	3300.2
40°	3538.2	3556.2	3572.8	3585.5	3596.7	3607.9	3617.6	3611.9	3613.7	3608.8	3601.5
42.5°	3762.0	3800.5	3835.7	3870.9	3896.3	3936.1	3963.8	3972.5	3994.8	4003.6	4019.9
45°	4017.6	4079.1	4138.2	4192.8	4243.6	4300.5	4355.8	4397.0	4441.9	4492.9	4543.8
47.5°	4282.2	4366.0	4453.1	4524.3	4597.9	4681.9	4755.4	4817.4	4898.3	4973.0	5055.4
50°	4569.4	4675.2	4774.3	4862.1	4956.8	5053.6	5154.3	5245.4	5354.6	5474.3	5603.8
52.5°	4870.2	4996.7	5111.5	5221.7	5332.7	5443.7	5550.9	5679.5	5814.2	5972.2	6134.0
55°	5161.2	5310.4	5440.5	5563.1	5690.2	5814.3	5924.8	6096.9	6262.2	6450.9	6662.1
57.5°	5394.7	5576.2	5726.3	5871.9	6015.2	6147.3	6283.0	6477.1	6687.8	6908.3	7176.2
60°	5554.1	5789.9	5981.6	6156.7	6332.5	6498.6	6654.8	6908.4	7159.0	7433.1	7766.6
62.5°	5706.5	6027.4	6277.5	6516.2	6753.4	6966.5	7160.7	7479.8	7807.2	8145.8	8542.6
65°	5921.4	6345.6	6713.8	7046.7	7374.9	7688.2	7978.8	8383.0	8796.4	9242.2	9715.8
67.5°	6021.3	6501.7	6981.2	7429.8	7846.8	8243.4	8616.7	9105.4	9591.9	10108.5	10680.9
69°	5813.3	6290.9	6803.6	7293.6	7754.2	8174.9	8579.0	9077.9	9583.7	10111.3	10688.8
70°	5533.1	6002.2	6519.7	7031.8	7472.4	7910.7	8329.4	8824.4	9336.8	9865.8	10470.2
72.5°	4342.4	4749.0	5253.7	5750.8	6192.8	6632.6	7039.2	7545.9	8061.7	8617.4	9189.7
75°	2894.1	3197.6	3573.6	4034.8	4440.1	4828.9	5222.9	5651.5	6154.7	6612.7	7136.3
77.5°	1639.2	1815.2	2033.7	2333.5	2624.3	2857.1	3138.1	3339.7	3631.8	3884.0	4150.4
80°	843.7	891.2	956.3	1028.3	1069.3	1062.8	1104.6	1063.3	1072.5	1038.7	1002.7
82.5°	620.2	636.8	666.2	680.7	679.2	631.8	581.4	511.4	449.7	385.0	325.6
85°	421.5	432.0	439.4	450.6	447.4	426.9	381.5	320.8	261.5	209.8	167.9
87.5°	73.0	75.0	74.5	80.7	81.0	75.2	61.8	52.8	44.5	33.2	23.4
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0
2.5°	2654.0	2654.0	2655.6	2654.0	2654.0	2654.0	2653.3	2654.8	2654.1	2651.8	2649.5
5°	2688.8	2686.5	2685.8	2687.2	2688.8	2685.8	2688.0	2690.2	2686.4	2687.2	2685.7
7.5°	2746.8	2746.0	2745.3	2746.8	2746.8	2746.0	2746.8	2744.6	2743.0	2745.3	2747.6
10°	2824.5	2823.8	2825.2	2825.2	2828.2	2826.7	2826.0	2828.2	2826.7	2825.2	2826.0
12.5°	2915.7	2913.4	2917.2	2917.2	2919.4	2919.4	2918.7	2919.4	2918.7	2916.4	2914.9
15°	2997.2	2994.1	2994.8	3000.8	3000.2	3001.6	3001.6	3000.2	2999.4	2998.6	2999.4
17.5°	3046.1	3044.6	3044.6	3047.6	3049.9	3049.2	3049.1	3049.1	3048.4	3049.1	3050.7
20°	3055.2	3055.2	3055.9	3059.0	3062.8	3060.5	3060.4	3062.0	3060.4	3062.0	3062.7
22.5°	3037.8	3039.4	3040.8	3044.6	3045.4	3045.4	3045.4	3046.2	3047.6	3047.6	3049.1
25°	3013.7	3015.2	3017.4	3020.4	3023.5	3023.5	3023.5	3025.0	3025.0	3025.8	3026.5
27.5°	2995.6	2997.1	2999.4	3002.4	3006.1	3006.1	3006.2	3007.7	3007.6	3008.4	3009.9
30°	2997.8	2994.8	2997.1	2998.6	3000.9	3000.9	3000.1	3000.9	3001.6	3001.6	3002.4
32.5°	3030.3	3023.5	3021.2	3020.5	3021.2	3019.0	3018.2	3016.8	3015.2	3015.2	3014.5
35°	3116.2	3105.7	3105.0	3098.9	3092.9	3086.8	3087.6	3083.1	3084.6	3080.8	3077.8
37.5°	3292.7	3280.6	3288.2	3275.4	3267.0	3261.0	3254.2	3245.2	3239.9	3246.7	3246.7
40°	3608.6	3600.3	3598.0	3600.4	3592.8	3596.6	3580.0	3575.4	3565.6	3572.4	3581.5
42.5°	4045.2	4039.9	4068.6	4073.8	4076.8	4081.4	4084.4	4059.5	4058.8	4053.5	4038.4
45°	4584.2	4616.0	4614.4	4649.2	4650.6	4640.1	4644.6	4633.3	4628.8	4612.2	4632.5
47.5°	5138.5	5198.8	5221.4	5229.0	5257.6	5264.4	5237.2	5228.2	5244.0	5216.8	5220.7
50°	5733.4	5798.2	5851.0	5886.4	5906.8	5908.3	5887.9	5883.4	5897.8	5846.5	5870.6
52.5°	6318.4	6416.5	6516.0	6568.8	6606.4	6609.6	6625.4	6606.5	6614.0	6602.0	6626.1
55°	6895.2	7064.9	7181.8	7285.1	7350.7	7407.2	7412.5	7432.9	7434.4	7459.2	7434.4
57.5°	7459.3	7644.0	7847.6	8030.8	8132.6	8196.7	8257.0	8339.2	8357.2	8347.4	8363.3
60°	8125.0	8410.8	8687.5	8898.6	9074.3	9242.4	9332.9	9461.8	9482.2	9538.0	9489.8
62.5°	8966.4	9381.2	9756.6	10041.0	10307.8	10569.4	10767.0	10866.6	10926.8	11043.8	11005.3
65°	10257.3	10755.0	11251.8	11659.0	12033.0	12344.3	12644.4	12787.7	12946.1	13112.0	13142.1
67.5°	11320.4	11936.5	12496.7	12992.8	13446.0	13792.0	14104.2	14352.2	14545.2	14667.4	14677.2
69°	11368.7	12008.8	12617.3	13149.6	13622.4	13990.4	14319.0	14595.0	14782.8	14908.0	14941.1
70°	11138.0	11793.2	12441.6	12979.2	13463.3	13839.6	14187.9	14451.0	14660.6	14788.0	14832.6
72.5°	9840.4	10540.1	11233.0	11704.2	12198.9	12646.8	12925.7	13194.1	13489.7	13528.2	13650.3
75°	7757.1	8345.2	8882.8	9243.2	9656.4	10058.2	10332.0	10402.8	10557.4	10752.0	10682.6
77.5°	4495.3	4676.2	5023.1	5112.0	5036.6	5211.6	5269.6	5146.0	5140.0	5253.8	5027.6
80°	996.0	939.5	1010.4	957.6	959.1	960.6	944.8	938.7	950.0	938.8	922.9
82.5°	276.0	266.9	268.4	265.4	270.7	267.0	264.6	270.6	269.9	269.2	274.5
85°	132.7	131.2	129.0	128.1	125.2	121.4	115.4	115.4	118.4	113.8	116.1
87.5°	17.4	16.6	16.6	19.6	17.4	14.4	14.4	14.4	13.6	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)