

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: P148773

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148773
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: VXS-F06-LED-E1-RW-8030
Description: VISION SITE SMALL 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: 13059.4 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
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

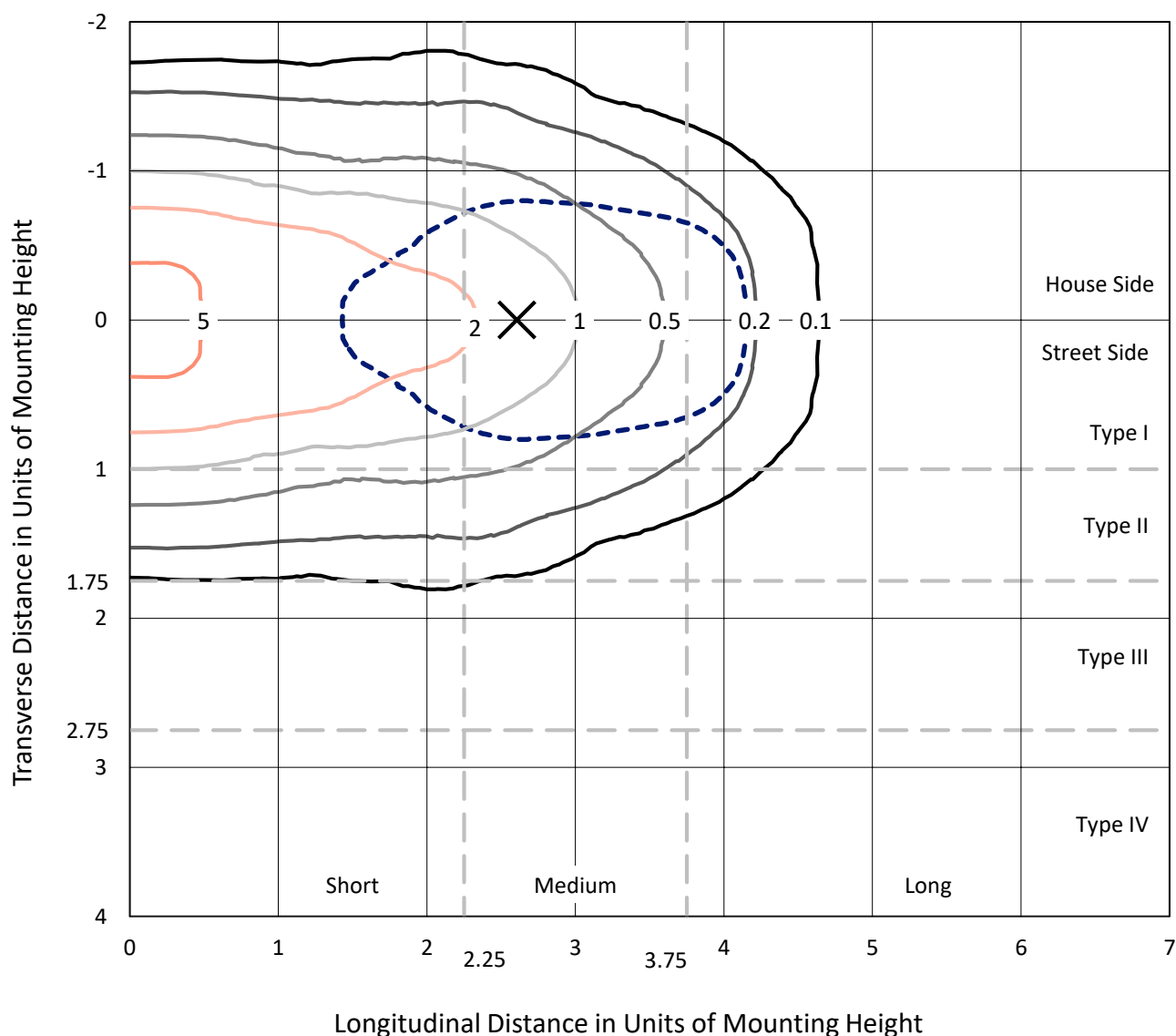


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

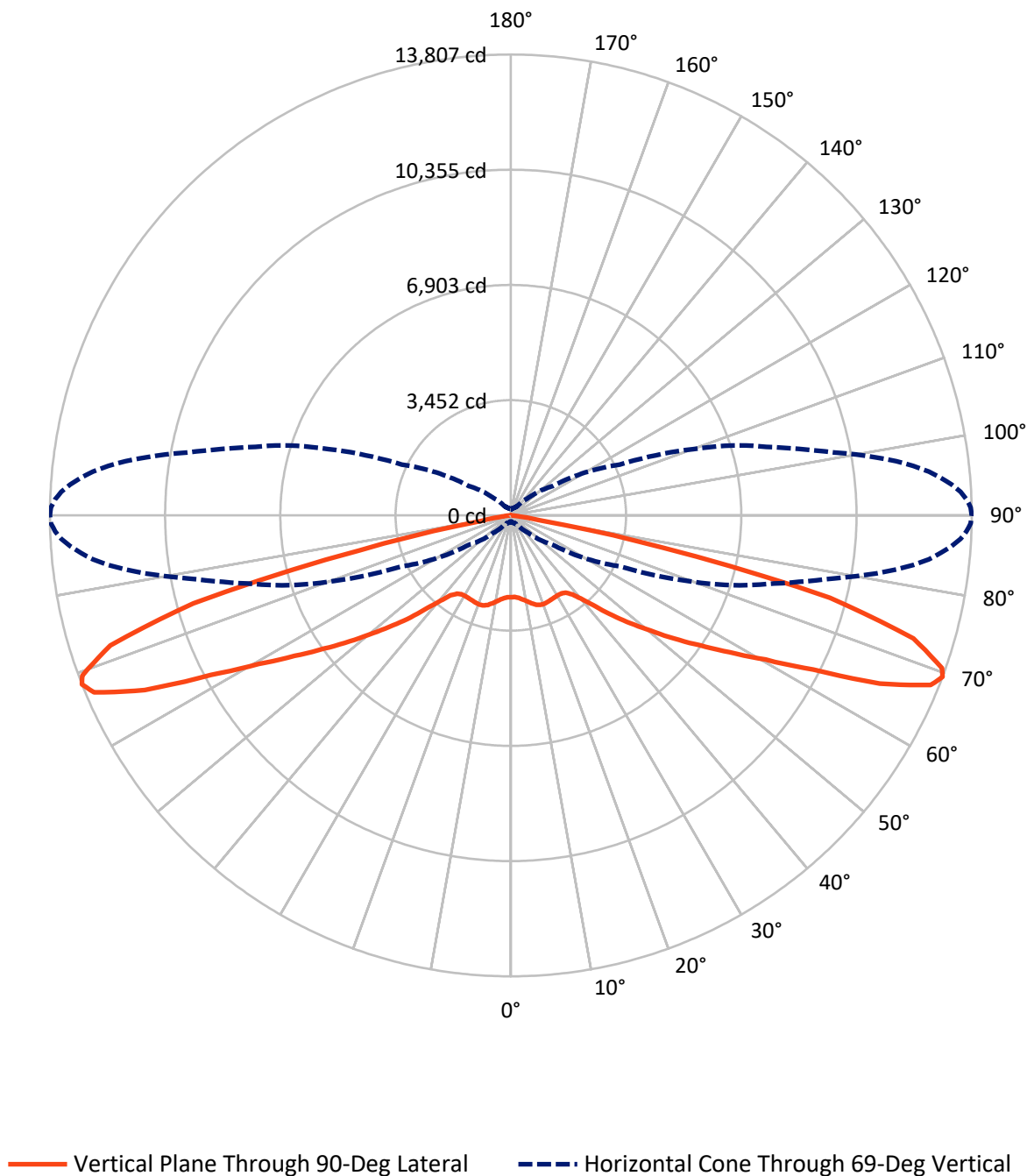


Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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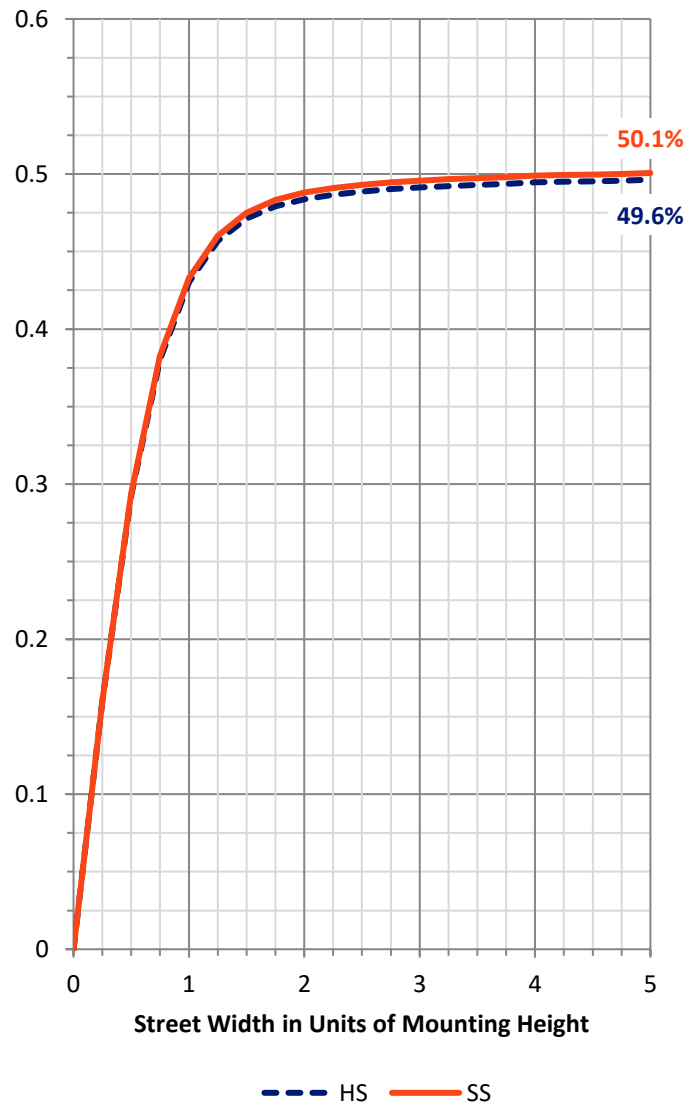
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6529.7	0.0	6529.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6529.7	0.0	6529.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13059.4	0.0	13059.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	1.8
10°-20°	757.2	5.8
20°-30°	1226.7	9.4
30°-40°	1528.8	11.7
40°-50°	1910.4	14.6
50°-60°	2358.9	18.1
60°-70°	2931.0	22.4
70°-80°	1945.8	14.9
80°-90°	160.7	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°	13059.4	100.0
0°-180°	13059.4	100.0

Coefficient of Utilization



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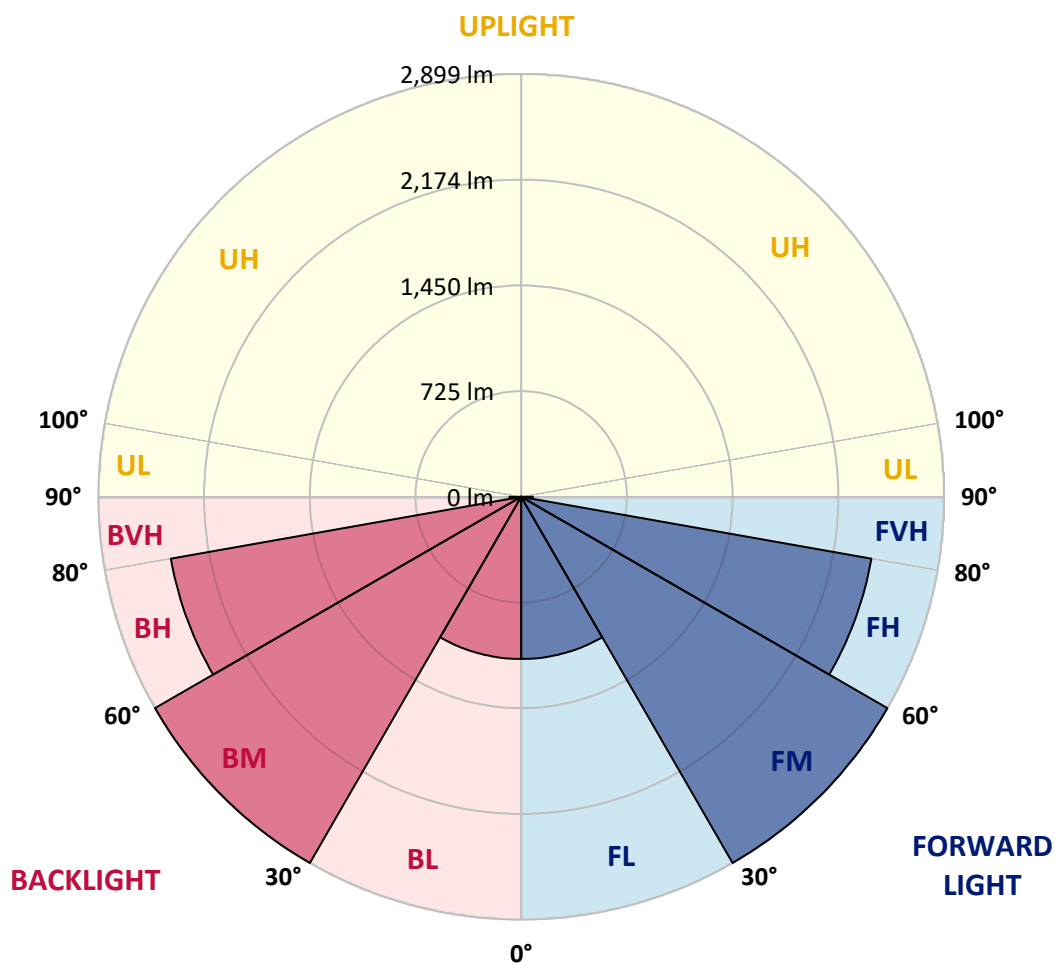
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1111.9	8.5			
FM	(30°-60°)	2899.0	22.2			
FH	(60°-80°)	2438.4	18.7			G2/5000
FVH	(80°-90°)	80.3	0.6			G1/100
BL	(0°-30°)	1111.9	8.5	B3/2500		
BM	(30°-60°)	2899.0	22.2	B3/5000		
BH	(60°-80°)	2438.4	18.7	B3/2500		G3/2500
BVH	(80°-90°)	80.3	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°	66°	67°	68°
0°	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9
2.5°	2458.1	2460.2	2458.8	2461.6	2460.9	2460.8	2459.5	2456.6	2456.3	2456.0	2455.6
5°	2481.8	2479.0	2483.2	2487.4	2486.0	2486.7	2486.0	2486.0	2485.7	2485.4	2485.1
7.5°	2506.9	2506.2	2509.0	2520.1	2521.5	2525.6	2530.6	2534.0	2534.1	2534.2	2534.4
10°	2528.4	2529.2	2536.1	2552.2	2560.6	2573.8	2587.0	2597.4	2598.2	2599.0	2599.7
12.5°	2545.8	2546.6	2557.0	2582.2	2602.4	2627.4	2656.0	2672.0	2673.4	2674.8	2676.2
15°	2547.3	2549.4	2567.4	2608.6	2649.0	2690.1	2724.2	2745.9	2747.0	2748.1	2749.2
17.5°	2529.2	2530.6	2561.2	2621.8	2689.4	2753.6	2789.0	2798.9	2799.3	2799.7	2800.1
20°	2481.8	2485.2	2528.5	2618.3	2721.4	2805.0	2842.0	2828.8	2827.4	2826.1	2824.8
22.5°	2405.2	2404.4	2460.9	2582.0	2727.8	2845.5	2878.2	2843.4	2839.2	2835.1	2831.0
25°	2281.2	2289.5	2355.6	2500.6	2692.2	2854.5	2904.0	2851.0	2845.1	2839.2	2833.3
27.5°	2146.6	2151.5	2222.0	2377.2	2609.2	2823.1	2916.6	2866.4	2859.7	2853.1	2846.5
30°	1989.9	1996.2	2071.4	2233.8	2476.1	2742.3	2913.0	2901.2	2893.5	2885.7	2878.0
32.5°	1836.6	1843.6	1911.2	2088.8	2336.1	2631.6	2892.2	2950.6	2942.7	2934.8	2926.8
35°	1677.7	1688.2	1770.4	1950.2	2201.0	2508.3	2860.1	3014.0	3009.7	3005.3	3000.9
37.5°	1546.0	1548.2	1627.6	1816.4	2075.6	2390.5	2817.6	3094.2	3097.4	3100.6	3103.8
40°	1399.0	1412.2	1491.7	1691.0	1962.0	2290.9	2777.2	3202.9	3219.5	3236.2	3252.8
42.5°	1267.4	1268.8	1349.6	1555.1	1838.7	2210.8	2754.9	3333.9	3369.5	3405.1	3440.7
45°	1128.8	1134.3	1207.4	1406.0	1696.6	2116.0	2754.2	3485.0	3541.9	3598.8	3655.6
47.5°	997.8	999.8	1077.2	1261.8	1533.5	1983.6	2749.3	3647.4	3724.8	3802.2	3879.6
50°	872.2	870.2	946.2	1123.8	1372.6	1810.1	2706.8	3831.4	3929.1	4026.8	4124.6
52.5°	728.8	738.6	817.2	987.3	1226.2	1633.8	2582.8	4032.8	4149.7	4266.6	4383.5
55°	588.0	592.2	676.5	835.4	1077.9	1469.4	2366.8	4218.0	4355.8	4493.6	4631.5
57.5°	433.4	445.9	519.7	676.6	927.4	1330.8	2092.3	4314.2	4481.9	4649.6	4817.3
60°	305.8	315.6	381.1	512.8	762.2	1185.2	1856.1	4260.6	4478.5	4696.4	4914.4
62.5°	238.3	245.9	298.2	383.8	594.3	1039.6	1686.8	4087.0	4383.6	4680.1	4976.7
65°	209.0	216.0	263.4	307.2	443.8	891.2	1594.2	3903.8	4295.8	4687.8	5079.8
67.5°	188.8	197.2	238.2	268.9	361.6	777.6	1569.8	3788.2	4232.2	4676.1	5120.1
69°	179.7	188.1	225.0	250.8	335.8	737.2	1528.0	3606.3	4047.7	4489.1	4930.4
70°	174.1	181.2	215.3	241.8	327.5	709.2	1458.3	3379.2	3812.6	4246.1	4679.5
72.5°	161.7	165.2	195.1	220.9	303.8	573.4	1121.8	2509.6	2885.4	3261.1	3636.9
75°	142.9	147.0	174.8	200.0	236.9	356.0	710.0	1552.4	1832.9	2113.4	2393.9
77.5°	123.3	126.8	151.2	190.8	183.9	222.3	424.3	864.0	1026.6	1189.3	1352.0
80°	98.9	103.1	124.7	189.6	151.9	172.8	305.2	604.0	647.9	691.8	735.7
82.5°	72.4	75.9	97.6	153.4	116.4	130.3	232.7	512.2	527.4	542.6	557.9
85°	37.0	37.6	62.0	93.4	73.8	67.6	131.0	350.4	360.2	370.0	379.7
87.5°	6.2	6.2	14.0	16.0	18.2	11.1	16.7	59.9	61.8	63.7	65.5
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9
2.5°	2455.3	2454.9	2453.7	2454.0	2454.9	2454.4	2455.4	2455.5	2456.3	2453.6	2453.1
5°	2484.9	2484.6	2484.4	2484.3	2484.8	2484.6	2485.2	2486.4	2486.1	2484.4	2484.1
7.5°	2534.5	2534.6	2535.4	2534.7	2536.1	2535.4	2534.0	2536.2	2537.8	2537.9	2539.5
10°	2600.5	2601.3	2603.7	2603.4	2605.8	2605.5	2605.8	2608.1	2609.8	2610.1	2611.8
12.5°	2677.6	2679.0	2680.2	2681.5	2684.1	2682.6	2686.0	2687.3	2689.4	2693.6	2691.5
15°	2750.3	2751.4	2755.1	2755.4	2757.9	2758.8	2761.9	2763.1	2763.7	2767.0	2767.6
17.5°	2800.5	2800.9	2802.3	2801.6	2803.7	2803.0	2805.0	2806.2	2808.0	2809.8	2813.0
20°	2823.5	2822.1	2821.3	2820.6	2819.1	2817.0	2817.6	2818.6	2818.9	2820.5	2822.9
22.5°	2826.9	2822.8	2818.6	2815.7	2811.4	2807.9	2804.4	2804.7	2804.9	2804.5	2806.2
25°	2827.3	2821.4	2814.8	2806.8	2800.8	2792.9	2786.2	2785.7	2783.7	2783.9	2784.7
27.5°	2839.9	2833.3	2824.0	2814.7	2802.0	2791.3	2780.6	2776.9	2773.2	2770.8	2769.8
30°	2870.3	2862.5	2851.5	2839.7	2825.8	2809.2	2793.9	2789.2	2783.7	2779.1	2775.0
32.5°	2918.9	2910.9	2898.7	2886.4	2867.9	2851.5	2836.5	2828.7	2821.1	2812.7	2805.1
35°	2996.5	2992.1	2981.4	2970.5	2957.0	2944.0	2930.5	2921.8	2909.0	2902.5	2893.1
37.5°	3107.0	3110.2	3110.2	3111.6	3107.4	3101.2	3091.4	3082.3	3078.2	3060.7	3049.6
40°	3269.5	3286.1	3301.4	3313.2	3323.5	3334.0	3343.0	3337.6	3339.3	3334.8	3328.0
42.5°	3476.3	3511.9	3544.4	3576.9	3600.4	3637.2	3662.7	3670.8	3691.5	3699.5	3714.5
45°	3712.5	3769.3	3823.9	3874.4	3921.4	3973.9	4025.0	4063.1	4104.7	4151.7	4198.8
47.5°	3957.1	4034.5	4115.0	4180.8	4248.7	4326.4	4394.3	4451.5	4526.3	4595.4	4671.5
50°	4222.3	4320.1	4411.8	4492.9	4580.4	4669.9	4762.9	4847.0	4948.0	5058.6	5178.2
52.5°	4500.4	4617.3	4723.3	4825.2	4927.8	5030.3	5129.4	5248.2	5372.7	5518.8	5668.2
55°	4769.3	4907.1	5027.4	5140.6	5258.1	5372.8	5474.9	5634.0	5786.7	5961.0	6156.2
57.5°	4985.0	5152.8	5291.5	5426.0	5558.4	5680.4	5805.9	5985.2	6179.9	6383.6	6631.2
60°	5132.3	5350.2	5527.4	5689.1	5851.6	6005.0	6149.4	6383.7	6615.4	6868.5	7176.8
62.5°	5273.2	5569.7	5800.8	6021.3	6240.5	6437.4	6617.0	6911.8	7214.3	7527.3	7893.9
65°	5471.7	5863.7	6204.0	6511.6	6814.9	7104.4	7372.8	7746.4	8128.4	8540.3	8977.9
67.5°	5564.0	6008.0	6451.1	6865.6	7250.9	7617.4	7962.2	8413.9	8863.5	9340.8	9869.8
69°	5371.8	5813.2	6286.9	6739.7	7165.3	7554.1	7927.4	8388.5	8855.9	9343.5	9877.0
70°	5112.9	5546.4	6024.5	6497.8	6904.9	7310.0	7696.8	8154.3	8627.8	9116.6	9675.1
72.5°	4012.6	4388.4	4854.7	5314.1	5722.5	6128.9	6504.7	6972.9	7449.5	7963.0	8491.8
75°	2674.4	2954.9	3302.3	3728.4	4103.0	4462.2	4826.4	5222.3	5687.3	6110.6	6594.4
77.5°	1514.7	1677.4	1879.2	2156.3	2425.0	2640.1	2899.8	3086.1	3356.1	3589.0	3835.3
80°	779.6	823.5	883.7	950.2	988.1	982.1	1020.7	982.5	991.0	959.8	926.5
82.5°	573.2	588.4	615.6	629.0	627.6	583.8	537.2	472.5	415.5	355.8	300.8
85°	389.5	399.2	406.0	416.4	413.5	394.5	352.6	296.4	241.6	193.9	155.0
87.5°	67.4	69.3	68.8	74.6	74.8	69.4	57.2	48.8	41.1	30.6	21.6
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9
2.5°	2452.4	2452.5	2453.9	2452.5	2452.5	2452.5	2451.8	2453.2	2452.5	2450.4	2448.3
5°	2484.6	2482.5	2481.8	2483.2	2484.6	2481.8	2483.9	2486.0	2482.5	2483.2	2481.8
7.5°	2538.2	2537.5	2536.8	2538.2	2538.2	2537.6	2538.2	2536.2	2534.7	2536.8	2538.9
10°	2610.0	2609.2	2610.7	2610.7	2613.5	2612.0	2611.4	2613.4	2612.0	2610.6	2611.4
12.5°	2694.2	2692.2	2695.7	2695.6	2697.8	2697.8	2697.1	2697.8	2697.1	2695.0	2693.6
15°	2769.5	2766.8	2767.4	2773.0	2772.2	2773.8	2773.6	2772.4	2771.6	2771.0	2771.6
17.5°	2814.9	2813.4	2813.4	2816.2	2818.3	2817.6	2817.6	2817.6	2816.9	2817.6	2819.0
20°	2823.2	2823.2	2823.9	2826.7	2830.1	2828.0	2828.0	2829.5	2828.1	2829.4	2830.2
22.5°	2807.1	2808.6	2810.0	2813.4	2814.1	2814.1	2814.2	2814.9	2816.2	2816.2	2817.6
25°	2784.8	2786.3	2788.3	2791.1	2793.9	2794.0	2793.9	2795.3	2795.4	2796.0	2796.7
27.5°	2768.1	2769.6	2771.6	2774.4	2777.8	2778.0	2777.9	2779.2	2779.3	2780.0	2781.3
30°	2770.2	2767.4	2769.6	2770.9	2773.0	2773.0	2772.2	2773.0	2773.7	2773.6	2774.4
32.5°	2800.1	2793.8	2791.8	2791.0	2791.8	2789.8	2789.0	2787.7	2786.3	2786.2	2785.6
35°	2879.6	2869.9	2869.2	2863.6	2858.0	2852.4	2853.1	2849.0	2850.4	2846.8	2844.0
37.5°	3042.6	3031.5	3038.5	3026.6	3019.0	3013.4	3007.1	2998.8	2993.9	3000.1	3000.1
40°	3334.6	3326.9	3324.8	3326.8	3320.0	3323.4	3308.1	3303.8	3294.9	3301.1	3309.5
42.5°	3738.0	3733.1	3759.6	3764.4	3767.2	3771.4	3774.2	3751.2	3750.5	3745.6	3731.7
45°	4236.2	4265.5	4264.0	4296.0	4297.5	4287.7	4291.8	4281.5	4277.2	4261.9	4280.7
47.5°	4748.2	4804.0	4824.9	4831.8	4858.3	4864.6	4839.5	4831.2	4845.8	4820.7	4824.2
50°	5298.0	5357.9	5406.7	5439.4	5458.2	5459.6	5440.8	5436.6	5449.8	5402.5	5424.8
52.5°	5838.6	5929.2	6021.2	6070.0	6104.8	6107.7	6122.2	6104.8	6111.8	6100.7	6122.9
55°	6371.6	6528.4	6636.4	6731.8	6792.4	6844.7	6849.6	6868.4	6869.8	6892.8	6869.8
57.5°	6892.8	7063.6	7251.6	7420.9	7515.0	7574.2	7630.0	7705.8	7722.6	7713.6	7728.2
60°	7508.0	7772.1	8027.8	8222.9	8385.2	8540.7	8624.2	8743.3	8762.2	8813.7	8769.1
62.5°	8285.6	8668.8	9015.8	9278.4	9525.0	9766.8	9949.4	10041.4	10097.1	10205.1	10169.5
65°	9478.4	9938.2	10397.4	10773.6	11119.2	11407.0	11684.2	11816.7	11963.0	12116.2	12144.1
67.5°	10460.8	11030.0	11547.8	12006.2	12424.9	12744.7	13033.2	13262.4	13440.7	13553.6	13562.7
69°	10505.3	11097.0	11659.2	12151.0	12587.9	12927.9	13231.6	13486.6	13660.2	13775.8	13806.5
70°	10292.2	10897.6	11496.8	11993.6	12441.0	12788.6	13110.5	13353.6	13547.4	13665.0	13706.2
72.5°	9093.2	9739.7	10380.0	10815.4	11272.5	11686.4	11944.2	12192.2	12465.3	12500.8	12613.7
75°	7168.0	7711.4	8208.2	8541.3	8923.0	9294.4	9547.4	9612.8	9755.6	9935.5	9871.4
77.5°	4154.0	4321.2	4641.6	4723.9	4654.2	4815.8	4869.5	4755.2	4749.6	4854.8	4645.8
80°	920.4	868.2	933.6	884.8	886.2	887.6	873.0	867.4	877.8	867.4	852.8
82.5°	255.0	246.7	248.0	245.2	250.1	246.6	244.6	250.1	249.4	248.7	253.6
85°	122.6	121.2	119.2	118.4	115.6	112.2	106.6	106.6	109.4	105.2	107.3
87.5°	16.0	15.4	15.3	18.1	16.0	13.2	13.2	13.2	12.6	12.6	12.5
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)