

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: P180306

Luminaire Tested: **ICM-E06-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180306
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-E06-LED-E1-RW-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14715.9 lumens
Efficiency: N/A
Efficacy: 97.8 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

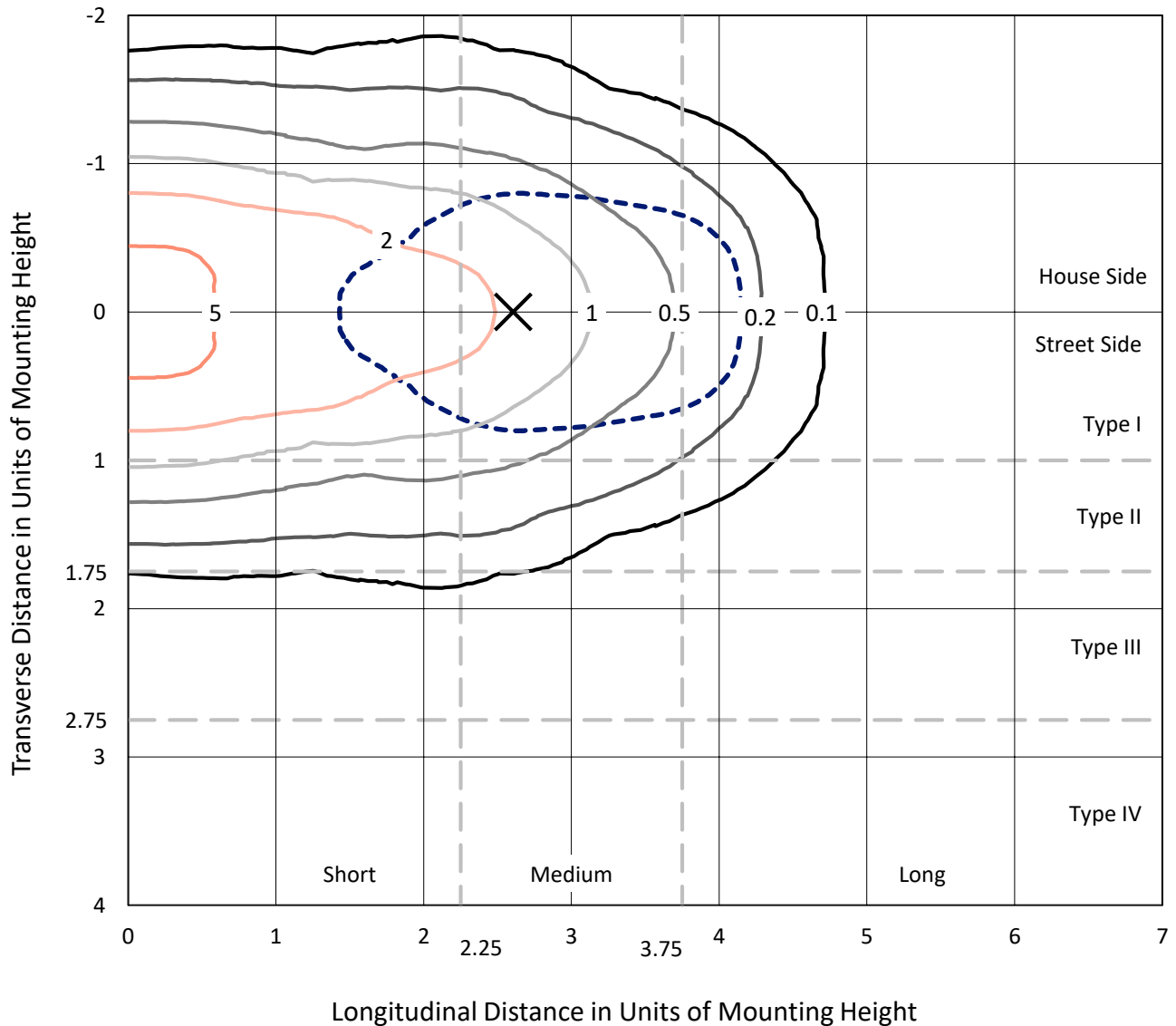
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

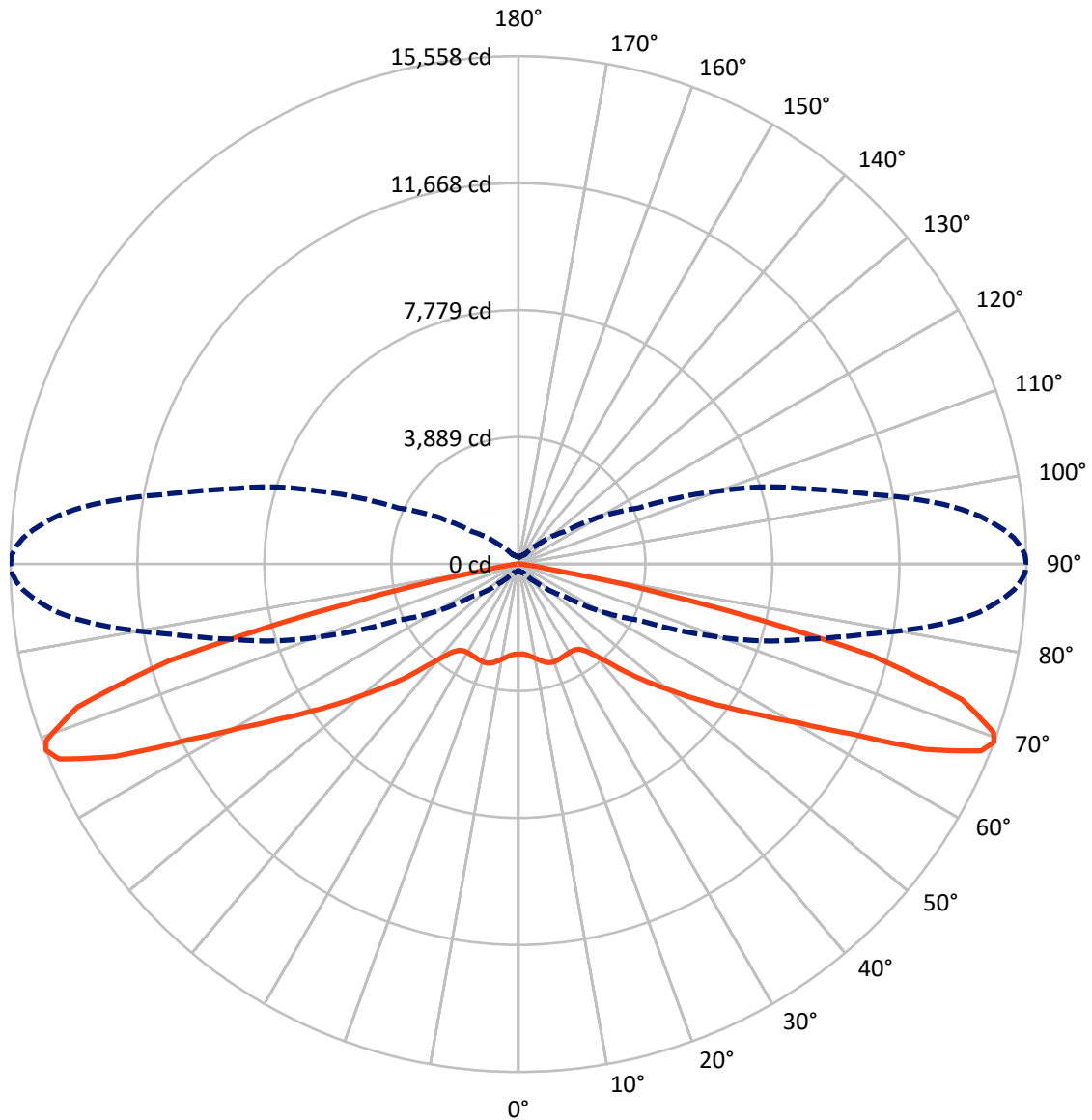
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 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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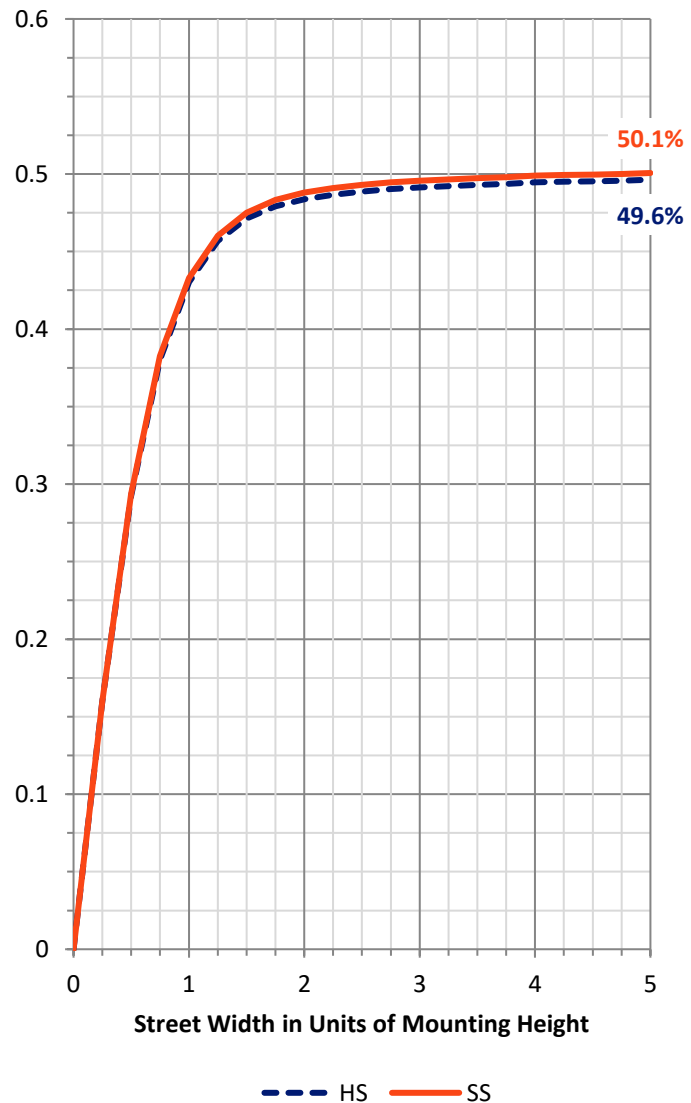
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7357.9	0.0	7357.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7357.9	0.0	7357.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14715.9	0.0	14715.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.5	1.8
10°-20°	853.2	5.8
20°-30°	1382.3	9.4
30°-40°	1722.7	11.7
40°-50°	2152.7	14.6
50°-60°	2658.1	18.1
60°-70°	3302.8	22.4
70°-80°	2192.6	14.9
80°-90°	181.0	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°	14715.9	100.0
0°-180°	14715.9	100.0



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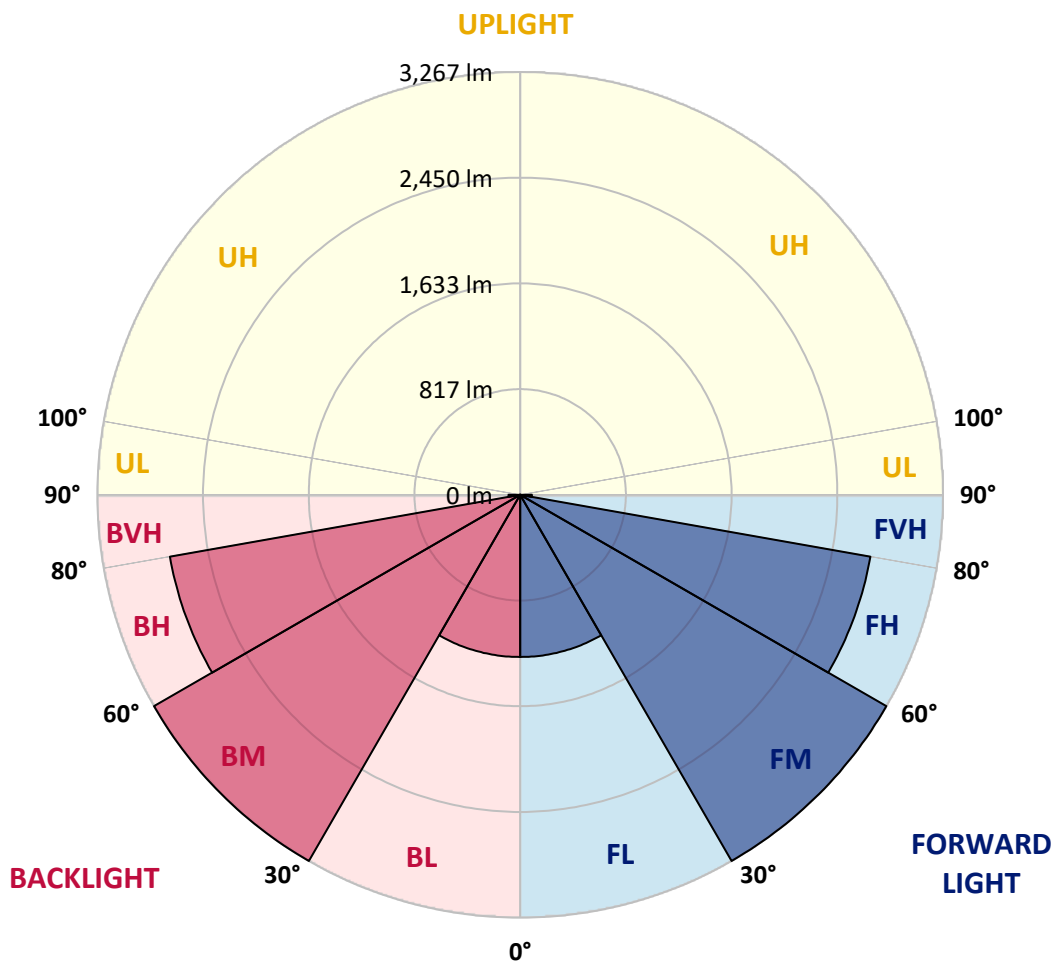
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1253.0	8.5			
FM	(30°-60°)	3266.7	22.2			
FH	(60°-80°)	2747.7	18.7			G2/5000
FVH	(80°-90°)	90.5	0.6			G1/100
BL	(0°-30°)	1253.0	8.5	B3/2500		
BM	(30°-60°)	3266.7	22.2	B3/5000		
BH	(60°-80°)	2747.7	18.7	B4/5000		G4/5000
BVH	(80°-90°)	90.5	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°	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3
2.5°	2769.9	2772.2	2770.7	2773.8	2773.0	2773.0	2771.5	2768.4	2766.3	2765.0	2765.2
5°	2796.5	2793.5	2798.2	2802.8	2801.3	2802.1	2801.3	2801.3	2799.7	2799.6	2799.4
7.5°	2824.9	2824.0	2827.2	2839.8	2841.3	2846.1	2851.6	2855.5	2856.2	2857.0	2856.2
10°	2849.2	2849.9	2857.9	2875.9	2885.2	2900.2	2915.2	2926.9	2931.2	2934.0	2933.6
12.5°	2868.9	2869.6	2881.4	2909.7	2932.5	2960.7	2992.9	3010.9	3018.7	3020.1	3021.6
15°	2870.3	2872.7	2893.1	2939.5	2984.9	3031.3	3069.8	3094.2	3100.4	3104.6	3104.9
17.5°	2850.0	2851.6	2886.2	2954.4	3030.5	3102.7	3142.8	3153.8	3156.1	3157.7	3156.9
20°	2796.6	2800.6	2849.2	2950.4	3066.6	3160.9	3202.4	3187.6	3180.1	3179.3	3178.3
22.5°	2710.2	2709.4	2773.0	2909.7	3073.7	3206.3	3243.3	3204.0	3180.9	3176.1	3172.9
25°	2570.4	2579.9	2654.5	2817.7	3033.6	3216.6	3272.4	3212.7	3179.4	3171.8	3162.8
27.5°	2418.9	2424.4	2503.7	2678.8	2940.3	3181.2	3286.5	3230.0	3192.7	3182.2	3171.7
30°	2242.2	2249.3	2334.2	2517.1	2790.3	3090.3	3282.5	3269.2	3225.6	3213.1	3199.8
32.5°	2069.6	2077.4	2153.6	2353.7	2632.5	2965.4	3259.0	3325.0	3280.2	3266.3	3252.6
35°	1890.6	1902.3	1995.0	2197.6	2480.2	2826.4	3222.9	3396.4	3371.6	3359.5	3347.4
37.5°	1742.2	1744.6	1834.1	2046.8	2338.8	2693.8	3175.0	3486.7	3504.8	3504.8	3506.3
40°	1576.5	1591.5	1680.9	1905.5	2210.9	2581.4	3129.5	3609.1	3703.0	3720.2	3733.5
42.5°	1428.1	1429.7	1520.8	1752.4	2071.9	2491.2	3104.4	3756.8	3957.3	3994.0	4030.7
45°	1271.8	1278.1	1360.6	1584.4	1911.8	2384.4	3103.6	3927.1	4247.5	4309.0	4365.8
47.5°	1124.3	1126.6	1213.8	1421.8	1728.0	2235.2	3098.1	4110.1	4546.2	4636.9	4711.1
50°	982.9	980.7	1066.2	1266.4	1546.6	2039.7	3050.2	4317.3	4868.1	4971.4	5062.8
52.5°	821.2	832.2	920.9	1112.6	1381.8	1841.1	2910.4	4544.2	5202.9	5322.5	5437.2
55°	662.6	667.4	762.3	941.4	1214.5	1655.8	2667.0	4753.1	5529.5	5665.1	5792.7
57.5°	488.4	502.5	585.7	762.3	1045.0	1499.5	2357.7	4861.4	5806.3	5962.5	6114.3
60°	344.7	355.7	429.4	577.9	858.9	1335.5	2091.5	4801.0	6028.9	6228.4	6410.7
62.5°	268.5	277.1	336.0	432.6	669.7	1171.4	1900.8	4605.4	6276.2	6536.5	6785.1
65°	235.5	243.4	296.7	346.2	500.1	1004.1	1796.3	4398.9	6607.5	6990.9	7337.4
67.5°	212.8	222.1	268.5	303.1	407.4	876.2	1768.8	4268.7	6770.1	7269.3	7736.5
69°	202.6	212.0	253.6	282.6	378.4	830.7	1721.7	4063.7	6550.6	7084.3	7594.7
70°	196.3	204.1	242.6	272.5	368.9	799.3	1643.3	3807.8	6249.9	6788.7	7322.1
72.5°	182.1	186.0	219.9	248.8	342.3	646.1	1264.0	2827.9	4945.1	5470.5	5988.1
75°	160.9	165.7	197.0	225.3	267.0	401.1	800.0	1749.2	3329.7	3721.1	4201.2
77.5°	139.0	142.9	170.4	215.1	207.3	250.4	478.1	973.6	1890.2	2117.6	2429.9
80°	111.4	116.2	140.6	213.6	171.2	194.7	343.8	680.7	928.0	995.8	1070.7
82.5°	81.7	85.6	110.0	172.7	131.2	146.9	262.2	577.1	663.1	693.8	708.7
85°	41.6	42.4	69.9	105.2	83.2	76.1	147.6	394.9	449.9	457.6	469.2
87.5°	7.1	7.1	15.7	18.0	20.5	12.6	18.8	67.5	78.1	77.6	84.1
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°	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3
2.5°	2766.2	2765.7	2766.7	2766.9	2767.8	2764.9	2764.2	2763.6	2763.6	2765.2	2763.6
5°	2800.0	2799.8	2800.5	2801.8	2801.4	2799.6	2799.3	2799.7	2797.4	2796.6	2798.2
7.5°	2857.8	2857.0	2855.5	2858.0	2859.6	2859.8	2861.6	2860.2	2859.5	2858.6	2860.1
10°	2936.3	2935.9	2936.3	2939.0	2940.9	2941.1	2943.1	2941.0	2940.2	2941.8	2941.8
12.5°	3024.6	3022.8	3026.6	3028.1	3030.5	3035.3	3032.9	3036.0	3033.6	3037.6	3037.6
15°	3107.6	3108.7	3112.2	3113.6	3114.2	3118.0	3118.6	3120.8	3117.6	3118.5	3124.8
17.5°	3159.3	3158.5	3160.9	3162.1	3164.1	3166.2	3169.9	3171.9	3170.3	3170.3	3173.4
20°	3176.8	3174.3	3175.0	3176.1	3176.4	3178.3	3180.9	3181.2	3181.2	3182.1	3185.1
22.5°	3168.1	3164.1	3160.0	3160.4	3160.7	3160.2	3162.2	3163.2	3164.8	3166.3	3170.3
25°	3156.1	3147.1	3139.6	3139.0	3136.9	3137.0	3138.0	3138.1	3139.6	3142.0	3145.1
27.5°	3157.4	3145.4	3133.4	3129.1	3124.9	3122.3	3121.1	3119.3	3120.8	3123.2	3126.3
30°	3184.3	3165.5	3148.3	3143.0	3136.9	3131.5	3126.9	3121.6	3118.4	3120.9	3122.4
32.5°	3231.6	3213.1	3196.2	3187.6	3178.9	3169.5	3160.9	3155.4	3148.3	3146.0	3145.1
35°	3332.0	3317.5	3302.2	3292.5	3278.1	3270.6	3260.1	3244.9	3233.9	3233.1	3226.8
37.5°	3501.6	3494.5	3483.6	3473.3	3468.7	3449.0	3436.5	3428.6	3416.0	3423.8	3410.5
40°	3745.1	3756.9	3766.9	3761.0	3762.9	3757.7	3750.2	3757.6	3749.0	3746.5	3748.9
42.5°	4057.1	4098.5	4127.3	4136.4	4159.7	4168.8	4185.7	4212.1	4206.6	4236.5	4241.9
45°	4418.8	4478.0	4535.6	4578.4	4625.2	4678.4	4731.4	4773.5	4806.4	4804.9	4841.0
47.5°	4787.7	4875.2	4951.7	5016.2	5100.4	5178.3	5264.0	5350.5	5413.3	5437.0	5444.7
50°	5161.3	5262.2	5367.1	5461.9	5575.6	5700.2	5835.1	5970.0	6037.5	6092.5	6129.3
52.5°	5552.8	5668.4	5780.0	5914.0	6054.2	6218.7	6387.2	6579.2	6681.3	6785.0	6839.9
55°	5925.1	6054.3	6169.3	6348.6	6520.7	6717.1	6937.1	7179.9	7356.5	7478.2	7585.7
57.5°	6263.5	6400.9	6542.4	6744.4	6963.8	7193.3	7472.4	7767.1	7959.5	8171.4	8362.3
60°	6593.8	6766.7	6929.3	7193.5	7454.5	7739.8	8087.1	8460.3	8758.0	9046.0	9265.9
62.5°	7032.0	7253.9	7456.2	7788.5	8129.4	8482.0	8895.1	9336.5	9768.4	10159.3	10455.3
65°	7679.3	8005.4	8308.1	8729.1	9159.4	9623.6	10116.8	10680.7	11198.9	11716.3	12140.2
67.5°	8170.7	8583.7	8972.3	9481.2	9987.8	10525.6	11121.7	11787.6	12429.1	13012.5	13529.0
69°	8074.3	8512.2	8933.0	9452.6	9979.2	10528.6	11129.8	11837.8	12504.4	13138.1	13692.4
70°	7780.8	8237.2	8673.2	9188.7	9722.2	10273.0	10902.4	11597.7	12279.9	12955.1	13514.9
72.5°	6448.4	6906.4	7329.8	7857.4	8394.5	8973.1	9569.0	10246.6	10975.1	11696.6	12187.3
75°	4623.4	5028.1	5438.5	5884.7	6408.7	6885.5	7430.7	8077.3	8689.6	9249.4	9624.7
77.5°	2732.7	2975.0	3267.6	3477.6	3781.7	4044.3	4321.7	4680.8	4869.2	5230.4	5323.0
80°	1113.4	1106.7	1150.1	1107.2	1116.8	1081.6	1044.0	1037.1	978.2	1052.0	997.0
82.5°	707.3	657.9	605.4	532.5	468.3	400.9	339.1	287.4	278.0	279.5	276.4
85°	465.9	444.6	397.2	334.0	272.3	218.4	174.8	138.2	136.6	134.2	133.4
87.5°	84.4	78.3	64.4	55.0	46.3	34.5	24.4	18.0	17.3	17.3	20.4
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):

	84°	85°	86°	87°	88°	89°	90°
0°	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3	2757.3
2.5°	2763.6	2763.6	2762.8	2764.3	2763.6	2761.3	2758.9
5°	2799.6	2796.6	2798.9	2801.3	2797.3	2798.2	2796.6
7.5°	2860.1	2859.5	2860.1	2857.8	2856.2	2858.6	2860.9
10°	2945.0	2943.4	2942.6	2944.9	2943.4	2941.8	2942.6
12.5°	3039.9	3040.0	3039.2	3040.0	3039.2	3036.9	3035.3
15°	3123.9	3125.5	3125.5	3123.9	3123.2	3122.4	3123.2
17.5°	3175.8	3175.0	3175.0	3175.0	3174.2	3175.0	3176.6
20°	3189.1	3186.8	3186.8	3188.3	3186.8	3188.3	3189.1
22.5°	3171.1	3171.1	3171.1	3171.8	3173.4	3173.4	3175.0
25°	3148.3	3148.3	3148.3	3149.8	3149.9	3150.6	3151.5
27.5°	3130.3	3130.3	3130.3	3131.7	3131.8	3132.6	3134.2
30°	3124.8	3124.7	3123.9	3124.8	3125.6	3125.6	3126.3
32.5°	3146.0	3143.6	3142.8	3141.2	3139.6	3139.6	3138.9
35°	3220.6	3214.3	3215.1	3210.3	3211.9	3208.0	3204.9
37.5°	3401.9	3395.6	3388.6	3379.1	3373.6	3380.7	3380.7
40°	3741.0	3745.0	3727.7	3723.0	3712.8	3719.8	3729.3
42.5°	4245.0	4249.8	4253.0	4227.0	4226.3	4220.8	4205.0
45°	4842.5	4831.6	4836.3	4824.6	4819.8	4802.5	4823.8
47.5°	5474.6	5481.7	5453.4	5443.9	5460.5	5432.2	5436.1
50°	6150.5	6152.1	6131.0	6126.2	6141.2	6087.8	6112.9
52.5°	6879.1	6882.3	6898.8	6879.1	6887.0	6874.5	6899.6
55°	7654.1	7713.0	7718.5	7739.7	7741.3	7767.1	7741.3
57.5°	8468.1	8534.9	8597.7	8683.3	8702.2	8692.0	8708.4
60°	9448.8	9623.9	9718.1	9852.3	9873.5	9931.6	9881.5
62.5°	10733.3	11005.7	11211.4	11315.0	11377.8	11499.6	11459.5
65°	12529.6	12853.8	13166.4	13315.4	13480.4	13653.1	13684.5
67.5°	14000.9	14361.3	14686.3	14944.6	15145.6	15272.8	15283.0
69°	14184.6	14567.7	14910.0	15197.4	15392.8	15523.3	15557.8
70°	14019.0	14410.7	14773.5	15047.5	15265.8	15398.4	15444.7
72.5°	12702.3	13168.6	13459.2	13738.7	14046.4	14086.5	14213.7
75°	10054.9	10473.4	10758.4	10832.3	10993.2	11195.7	11123.5
77.5°	5244.5	5426.7	5487.2	5358.4	5352.1	5470.7	5235.1
80°	998.7	1000.2	983.7	977.5	989.2	977.5	960.9
82.5°	281.9	278.0	275.5	281.9	281.1	280.3	285.8
85°	130.4	126.4	120.2	120.1	123.3	118.5	120.9
87.5°	18.0	14.9	14.9	14.9	14.1	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)