

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: P180307

Luminaire Tested: **ICM-E06-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180307
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-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15925.2 lumens
Efficiency: N/A
Efficacy: 105.8 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

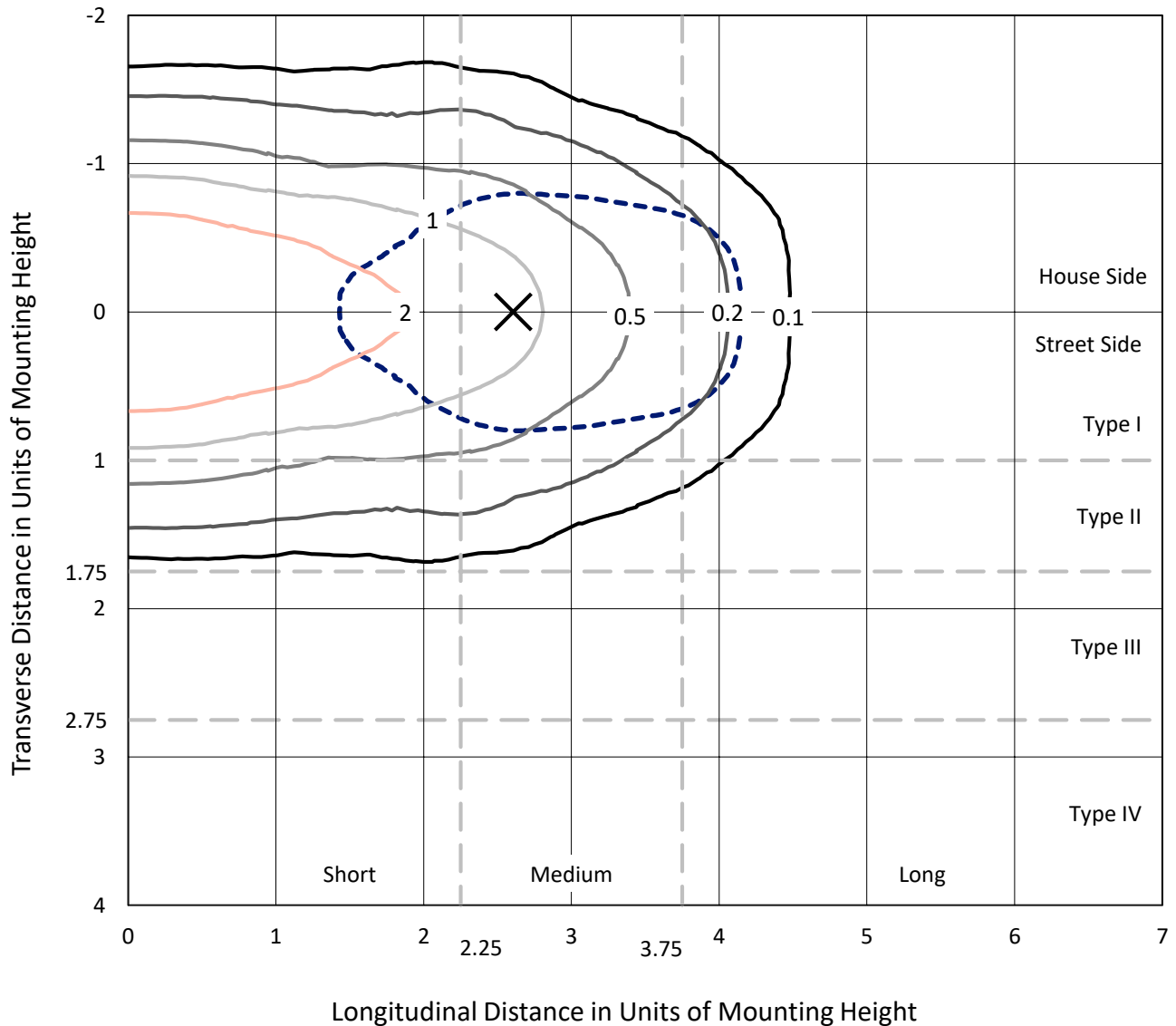
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

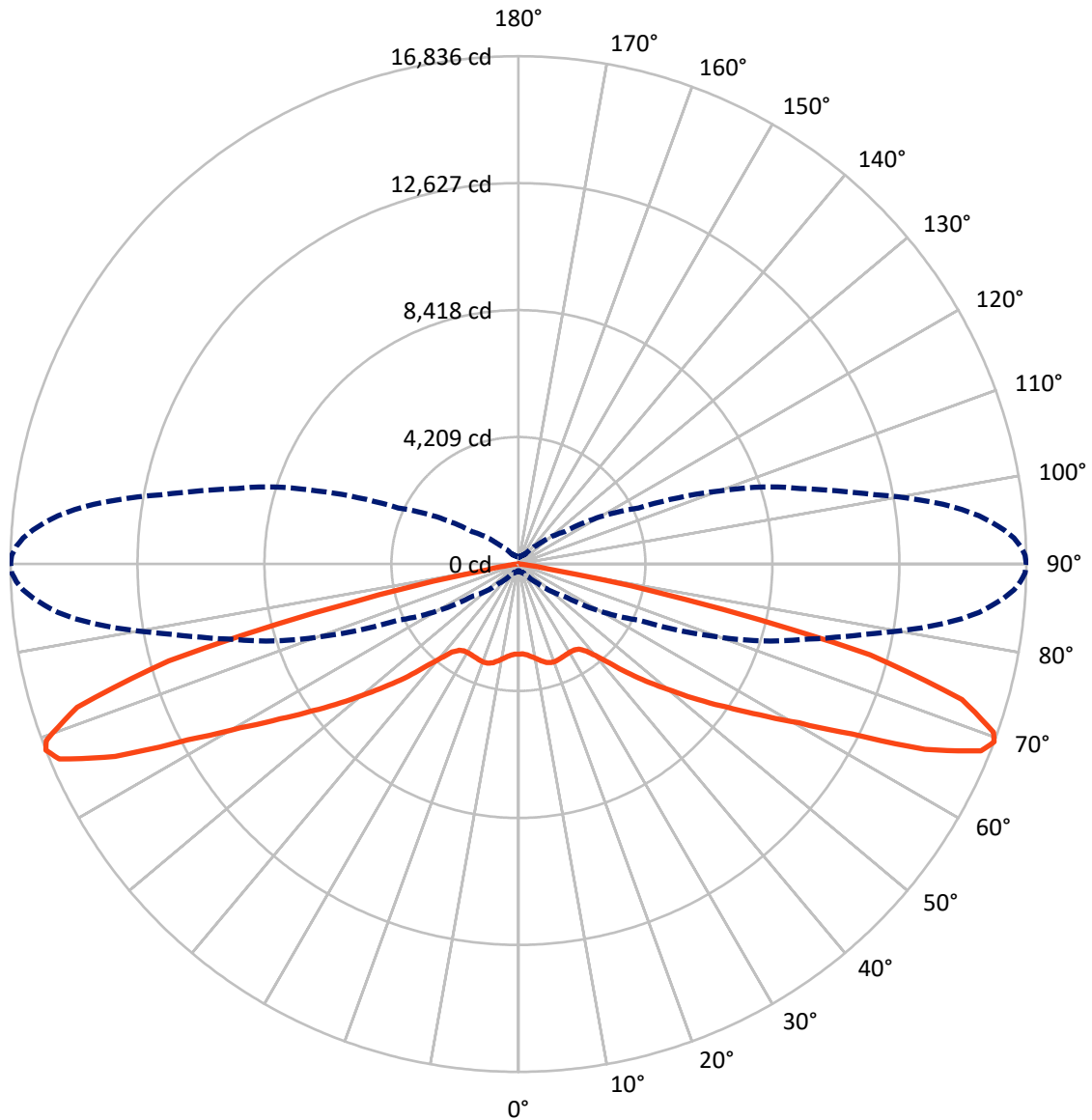
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	7962.6	0.0	7962.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7962.6	0.0	7962.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15925.2	0.0	15925.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	1.8
10°-20°	923.3	5.8
20°-30°	1495.9	9.4
30°-40°	1864.2	11.7
40°-50°	2329.6	14.6
50°-60°	2876.5	18.1
60°-70°	3574.2	22.4
70°-80°	2372.8	14.9
80°-90°	195.9	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°	15925.2	100.0
0°-180°	15925.2	100.0



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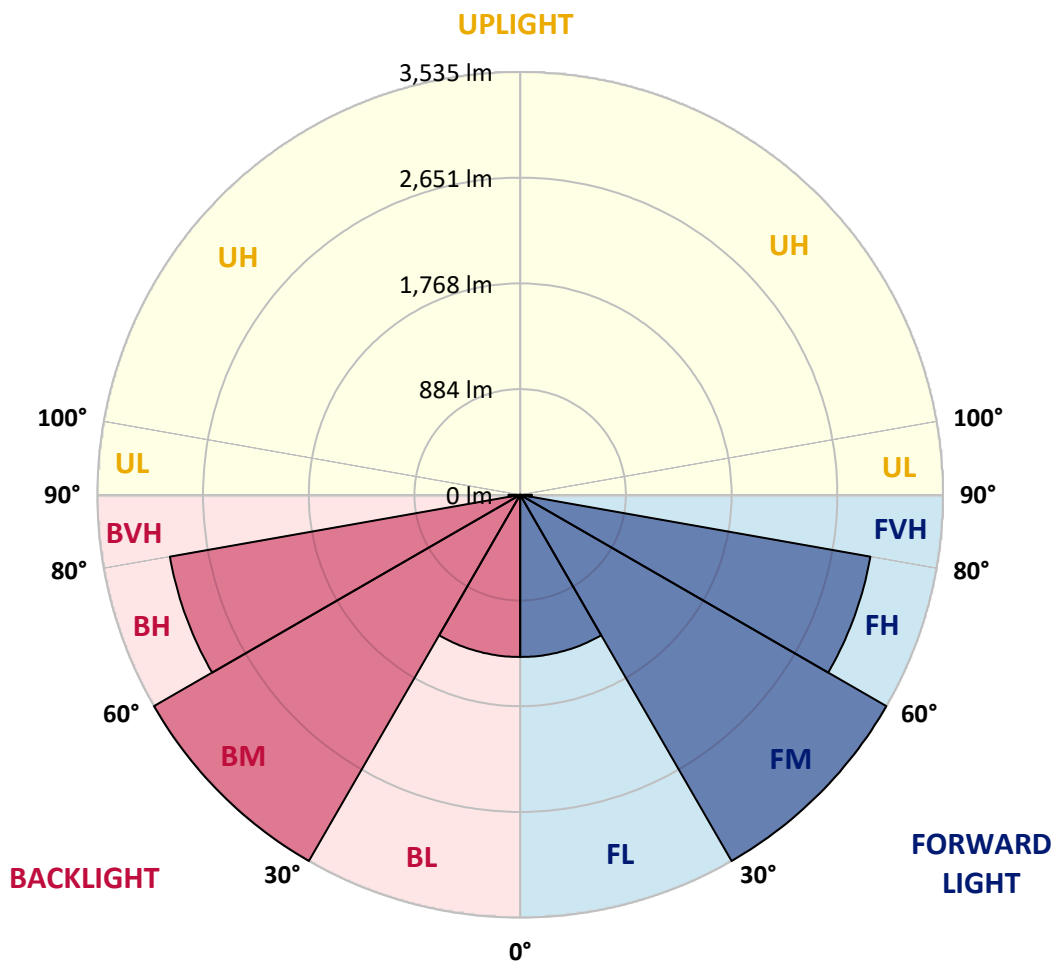
CATALOG NUMBER: ICM-E06-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1355.9	8.5			
FM	(30°-60°)	3535.2	22.2			
FH	(60°-80°)	2973.5	18.7			G2/5000
FVH	(80°-90°)	98.0	0.6			G1/100
BL	(0°-30°)	1355.9	8.5	B3/2500		
BM	(30°-60°)	3535.2	22.2	B3/5000		
BH	(60°-80°)	2973.5	18.7	B4/5000		G4/5000
BVH	(80°-90°)	98.0	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°	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9
2.5°	2997.5	3000.0	2998.3	3001.8	3000.9	3000.9	2999.2	2995.7	2993.7	2992.2	2992.5
5°	3026.4	3023.0	3028.1	3033.1	3031.5	3032.4	3031.5	3031.5	3029.8	3029.6	3029.4
7.5°	3056.9	3056.2	3059.6	3073.1	3074.8	3079.9	3085.9	3090.1	3091.0	3091.8	3091.0
10°	3083.4	3084.1	3092.7	3112.2	3122.4	3138.5	3154.6	3167.5	3172.1	3175.1	3174.6
12.5°	3104.6	3105.4	3118.2	3148.8	3173.4	3203.9	3238.8	3258.3	3266.8	3268.4	3269.9
15°	3106.3	3108.9	3130.9	3181.0	3230.3	3280.4	3322.1	3348.4	3355.2	3359.7	3360.1
17.5°	3084.1	3085.9	3123.3	3197.2	3279.6	3357.8	3401.1	3413.0	3415.5	3417.2	3416.4
20°	3026.4	3030.6	3083.4	3192.9	3318.7	3420.7	3465.7	3449.5	3441.4	3440.5	3439.6
22.5°	2932.9	2932.1	3000.9	3148.8	3326.3	3469.9	3509.8	3467.4	3442.3	3437.1	3433.6
25°	2781.7	2791.8	2872.6	3049.3	3283.0	3481.0	3541.2	3476.7	3440.6	3432.6	3422.8
27.5°	2617.7	2623.6	2709.5	2899.0	3181.9	3442.7	3556.6	3495.4	3455.0	3443.7	3432.4
30°	2426.6	2434.2	2526.0	2723.9	3019.6	3344.2	3552.4	3537.9	3490.7	3477.2	3462.8
32.5°	2239.6	2248.1	2330.5	2547.2	2848.8	3209.0	3526.9	3598.2	3549.8	3534.8	3519.8
35°	2046.0	2058.6	2158.9	2378.2	2684.0	3058.6	3487.7	3675.6	3648.8	3635.6	3622.4
37.5°	1885.3	1887.9	1984.8	2215.0	2531.1	2915.1	3435.9	3773.2	3792.8	3792.8	3794.4
40°	1706.1	1722.2	1819.1	2062.1	2392.6	2793.6	3386.6	3905.7	4007.3	4025.9	4040.3
42.5°	1545.5	1547.2	1645.8	1896.4	2242.2	2695.8	3359.5	4065.5	4282.6	4322.3	4361.9
45°	1376.4	1383.2	1472.4	1714.6	2068.8	2580.4	3358.5	4249.9	4596.5	4663.1	4724.7
47.5°	1216.7	1219.2	1313.5	1538.7	1870.1	2418.9	3352.6	4447.8	4919.8	5018.0	5098.3
50°	1063.7	1061.2	1153.9	1370.4	1673.8	2207.4	3300.9	4672.2	5268.1	5379.9	5478.8
52.5°	888.7	900.7	996.7	1203.9	1495.3	1992.4	3149.6	4917.7	5630.5	5759.8	5884.0
55°	717.0	722.2	824.9	1018.8	1314.3	1791.8	2886.2	5143.7	5983.9	6130.6	6268.8
57.5°	528.5	543.7	633.8	824.9	1130.8	1622.8	2551.5	5261.0	6283.5	6452.6	6616.7
60°	373.0	384.9	464.7	625.3	929.5	1445.2	2263.4	5195.6	6524.3	6740.3	6937.6
62.5°	290.6	299.9	363.7	468.1	724.7	1267.7	2056.9	4983.9	6792.0	7073.7	7342.7
65°	254.9	263.4	321.1	374.7	541.2	1086.7	1944.0	4760.5	7150.6	7565.4	7940.5
67.5°	230.2	240.5	290.6	328.0	440.9	948.2	1914.2	4619.5	7326.4	7866.7	8372.3
69°	219.2	229.4	274.4	305.9	409.5	898.9	1863.3	4397.7	7088.9	7666.6	8218.7
70°	212.5	220.8	262.5	294.8	399.4	864.9	1778.2	4120.8	6763.6	7346.6	7923.8
72.5°	197.1	201.3	238.0	269.4	370.4	699.3	1367.9	3060.4	5351.4	5920.0	6480.2
75°	174.1	179.3	213.2	243.9	288.8	434.1	865.9	1893.0	3603.3	4026.9	4546.5
77.5°	150.3	154.6	184.4	232.7	224.4	271.1	517.4	1053.6	2045.5	2291.6	2629.6
80°	120.7	125.8	152.1	231.1	185.2	210.8	372.1	736.7	1004.3	1077.7	1158.7
82.5°	88.4	92.7	119.0	187.0	141.9	158.9	283.7	624.5	717.5	750.7	767.0
85°	45.0	45.9	75.5	113.9	90.0	82.4	159.8	427.4	486.8	495.2	507.7
87.5°	7.6	7.6	16.9	19.5	22.1	13.6	20.4	73.1	84.5	83.9	91.0
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9
2.5°	2993.6	2993.0	2994.1	2994.3	2995.3	2992.0	2991.4	2990.7	2990.7	2992.4	2990.7
5°	3030.2	3030.0	3030.7	3032.0	3031.6	3029.6	3029.3	3029.8	3027.2	3026.4	3028.1
7.5°	3092.7	3091.7	3090.1	3092.9	3094.7	3094.9	3096.8	3095.3	3094.3	3093.5	3095.3
10°	3177.7	3177.2	3177.7	3180.5	3182.6	3182.9	3184.9	3182.7	3181.9	3183.6	3183.6
12.5°	3273.1	3271.3	3275.4	3277.0	3279.6	3284.7	3282.2	3285.6	3283.0	3287.3	3287.3
15°	3363.0	3364.2	3367.9	3369.5	3370.2	3374.2	3374.9	3377.3	3373.9	3374.7	3381.6
17.5°	3418.9	3418.1	3420.7	3422.0	3424.2	3426.4	3430.3	3432.6	3430.8	3430.9	3434.3
20°	3437.8	3435.2	3435.9	3437.0	3437.4	3439.5	3442.3	3442.6	3442.7	3443.6	3446.9
22.5°	3428.5	3424.1	3419.7	3420.1	3420.5	3419.9	3422.0	3423.2	3424.9	3426.6	3430.8
25°	3415.6	3405.8	3397.7	3397.0	3394.6	3394.8	3395.8	3396.0	3397.6	3400.2	3403.6
27.5°	3416.9	3403.9	3390.9	3386.3	3381.7	3378.8	3377.6	3375.6	3377.3	3379.8	3383.3
30°	3446.0	3425.7	3407.1	3401.2	3394.6	3388.9	3383.9	3378.1	3374.7	3377.3	3379.0
32.5°	3497.3	3477.2	3458.8	3449.5	3440.2	3430.0	3420.6	3414.7	3407.1	3404.5	3403.6
35°	3605.9	3590.2	3573.6	3563.0	3547.4	3539.4	3528.0	3511.5	3499.6	3498.8	3491.9
37.5°	3789.4	3781.7	3769.9	3758.8	3753.7	3732.5	3718.9	3710.3	3696.8	3705.3	3690.8
40°	4053.0	4065.6	4076.5	4070.1	4072.1	4066.5	4058.4	4066.4	4057.0	4054.4	4057.0
42.5°	4390.5	4435.4	4466.5	4476.3	4501.5	4511.4	4529.8	4558.4	4552.3	4584.6	4590.5
45°	4781.9	4846.0	4908.3	4954.7	5005.3	5062.8	5120.2	5165.8	5201.4	5199.8	5238.8
47.5°	5181.1	5275.8	5358.6	5428.5	5519.6	5603.8	5696.6	5790.2	5858.2	5883.8	5892.1
50°	5585.5	5694.6	5808.0	5910.7	6033.7	6168.7	6314.6	6460.7	6533.6	6593.2	6633.1
52.5°	6009.2	6134.2	6254.9	6399.9	6551.7	6729.7	6912.1	7120.0	7230.4	7342.6	7402.0
55°	6412.0	6551.9	6676.4	6870.3	7056.5	7269.2	7507.2	7769.9	7961.1	8092.8	8209.2
57.5°	6778.2	6927.0	7080.0	7298.7	7536.1	7784.5	8086.5	8405.4	8613.6	8843.0	9049.5
60°	7135.7	7322.8	7498.8	7784.7	8067.1	8375.9	8751.8	9155.7	9477.6	9789.5	10027.4
62.5°	7610.0	7850.1	8069.0	8428.5	8797.4	9179.1	9626.2	10103.9	10571.1	10994.3	11314.6
65°	8310.5	8663.4	8990.8	9446.4	9912.2	10414.5	10948.3	11558.4	12119.1	12679.1	13137.9
67.5°	8842.1	9289.1	9709.6	10260.3	10808.5	11390.7	12035.8	12756.4	13450.5	14081.9	14640.8
69°	8737.8	9211.8	9667.1	10229.4	10799.3	11393.9	12044.5	12810.8	13532.2	14217.8	14817.6
70°	8420.2	8914.1	9385.9	9943.8	10521.2	11117.3	11798.4	12550.8	13289.1	14019.8	14625.6
72.5°	6978.4	7474.0	7932.1	8503.1	9084.3	9710.5	10355.3	11088.6	11877.0	12657.8	13188.8
75°	5003.3	5441.4	5885.4	6368.3	6935.4	7451.5	8041.4	8741.1	9403.8	10009.5	10415.7
77.5°	2957.2	3219.6	3536.2	3763.4	4092.5	4376.7	4676.9	5065.5	5269.4	5660.3	5760.5
80°	1204.9	1197.6	1244.7	1198.1	1208.5	1170.4	1129.9	1122.4	1058.7	1138.5	1079.1
82.5°	765.3	711.9	655.1	576.2	506.7	433.9	366.9	311.0	300.8	302.5	299.1
85°	504.2	481.0	430.0	361.4	294.6	236.4	189.1	149.6	147.9	145.3	144.5
87.5°	91.3	84.7	69.6	59.4	50.1	37.4	26.3	19.5	18.7	18.7	22.0
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°	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9	2983.9
2.5°	2990.7	2990.7	2989.8	2991.6	2990.7	2988.1	2985.6
5°	3029.8	3026.4	3028.9	3031.5	3027.3	3028.1	3026.4
7.5°	3095.2	3094.3	3095.3	3092.7	3091.0	3093.5	3096.0
10°	3187.0	3185.3	3184.4	3187.0	3185.3	3183.6	3184.4
12.5°	3289.8	3289.8	3289.0	3289.8	3289.0	3286.3	3284.7
15°	3380.7	3382.3	3382.3	3380.7	3379.8	3379.0	3379.8
17.5°	3436.8	3435.9	3435.9	3435.9	3435.0	3435.9	3437.6
20°	3451.2	3448.7	3448.7	3450.3	3448.6	3450.4	3451.2
22.5°	3431.6	3431.6	3431.6	3432.6	3434.3	3434.3	3435.9
25°	3407.1	3407.1	3407.1	3408.8	3408.8	3409.6	3410.4
27.5°	3387.5	3387.6	3387.6	3389.2	3389.2	3390.1	3391.7
30°	3381.6	3381.5	3380.7	3381.5	3382.3	3382.3	3383.3
32.5°	3404.5	3401.9	3401.1	3399.4	3397.7	3397.7	3396.9
35°	3485.2	3478.3	3479.3	3474.2	3475.8	3471.6	3468.2
37.5°	3681.5	3674.6	3667.0	3656.8	3650.9	3658.4	3658.5
40°	4048.5	4052.7	4034.1	4029.0	4017.9	4025.6	4035.7
42.5°	4594.0	4599.1	4602.4	4574.4	4573.5	4567.7	4550.6
45°	5240.6	5228.7	5233.7	5221.0	5215.8	5197.2	5220.1
47.5°	5924.5	5932.1	5901.6	5891.4	5909.2	5878.6	5882.8
50°	6656.0	6657.7	6634.8	6629.7	6645.8	6588.0	6615.2
52.5°	7444.5	7447.9	7465.7	7444.5	7453.1	7439.4	7466.6
55°	8283.0	8346.8	8352.8	8375.7	8377.4	8405.4	8377.4
57.5°	9164.1	9236.3	9304.3	9397.0	9417.4	9406.3	9424.2
60°	10225.4	10414.8	10516.7	10662.1	10685.0	10747.9	10693.5
62.5°	11615.3	11910.2	12132.8	12244.9	12312.9	12444.5	12401.3
65°	13559.3	13910.2	14248.4	14409.8	14588.2	14775.2	14809.1
67.5°	15151.5	15541.5	15893.3	16172.8	16390.2	16527.9	16539.0
69°	15350.3	15764.9	16135.4	16446.3	16658.0	16799.0	16836.4
70°	15171.1	15595.1	15987.5	16284.1	16520.3	16663.8	16714.0
72.5°	13746.2	14250.9	14565.3	14867.7	15200.8	15244.1	15381.8
75°	10881.3	11334.1	11642.6	11722.4	11896.5	12115.8	12037.6
77.5°	5675.6	5872.7	5938.1	5798.7	5791.9	5920.2	5665.3
80°	1080.8	1082.4	1064.6	1057.9	1070.5	1057.9	1039.9
82.5°	305.0	300.7	298.2	305.0	304.2	303.4	309.3
85°	141.0	136.7	130.0	130.0	133.4	128.4	130.9
87.5°	19.5	16.2	16.2	16.2	15.3	15.3	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)