

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: P180308

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180308
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17436 lumens
Efficiency: N/A
Efficacy: 115.9 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

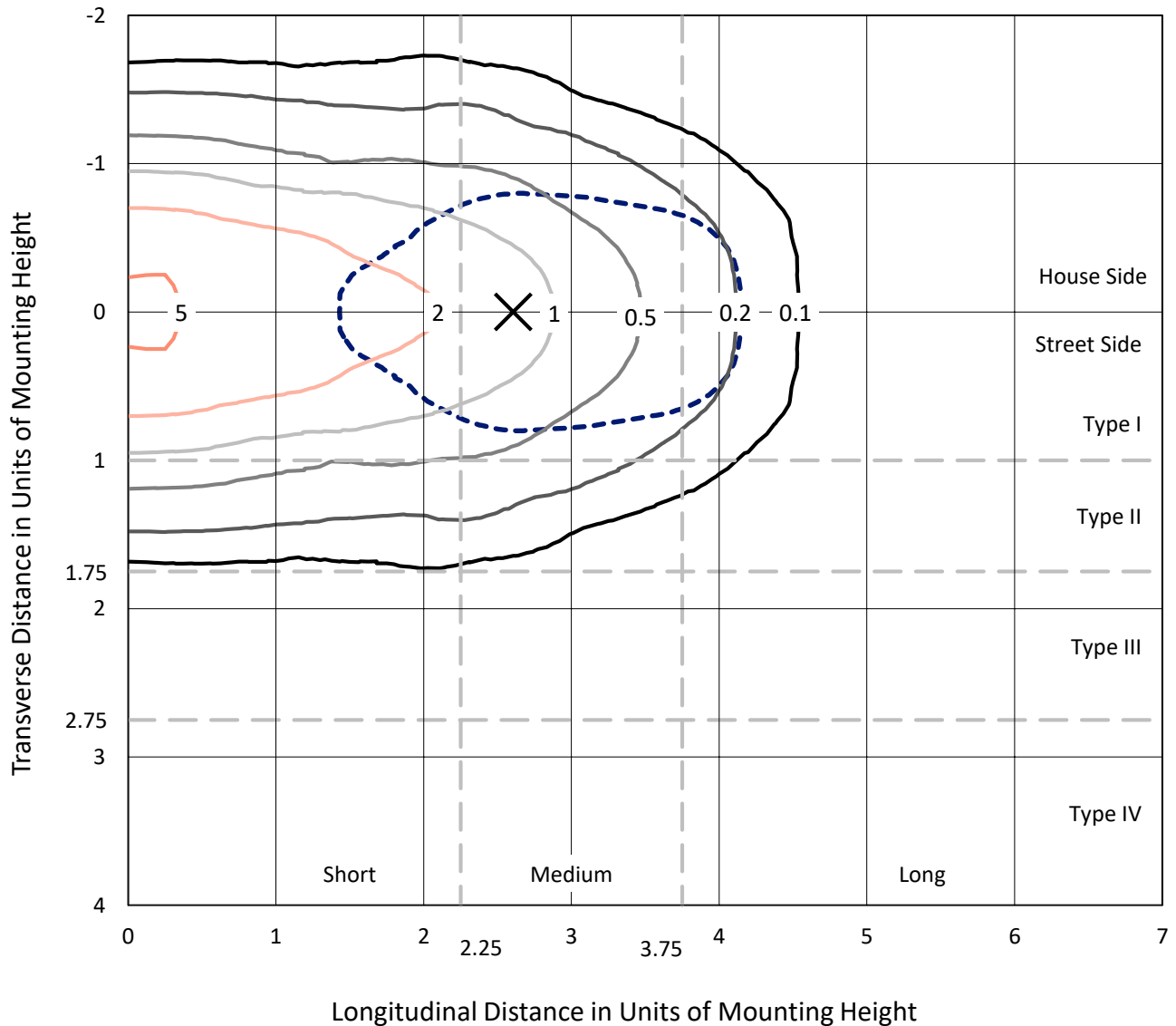
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

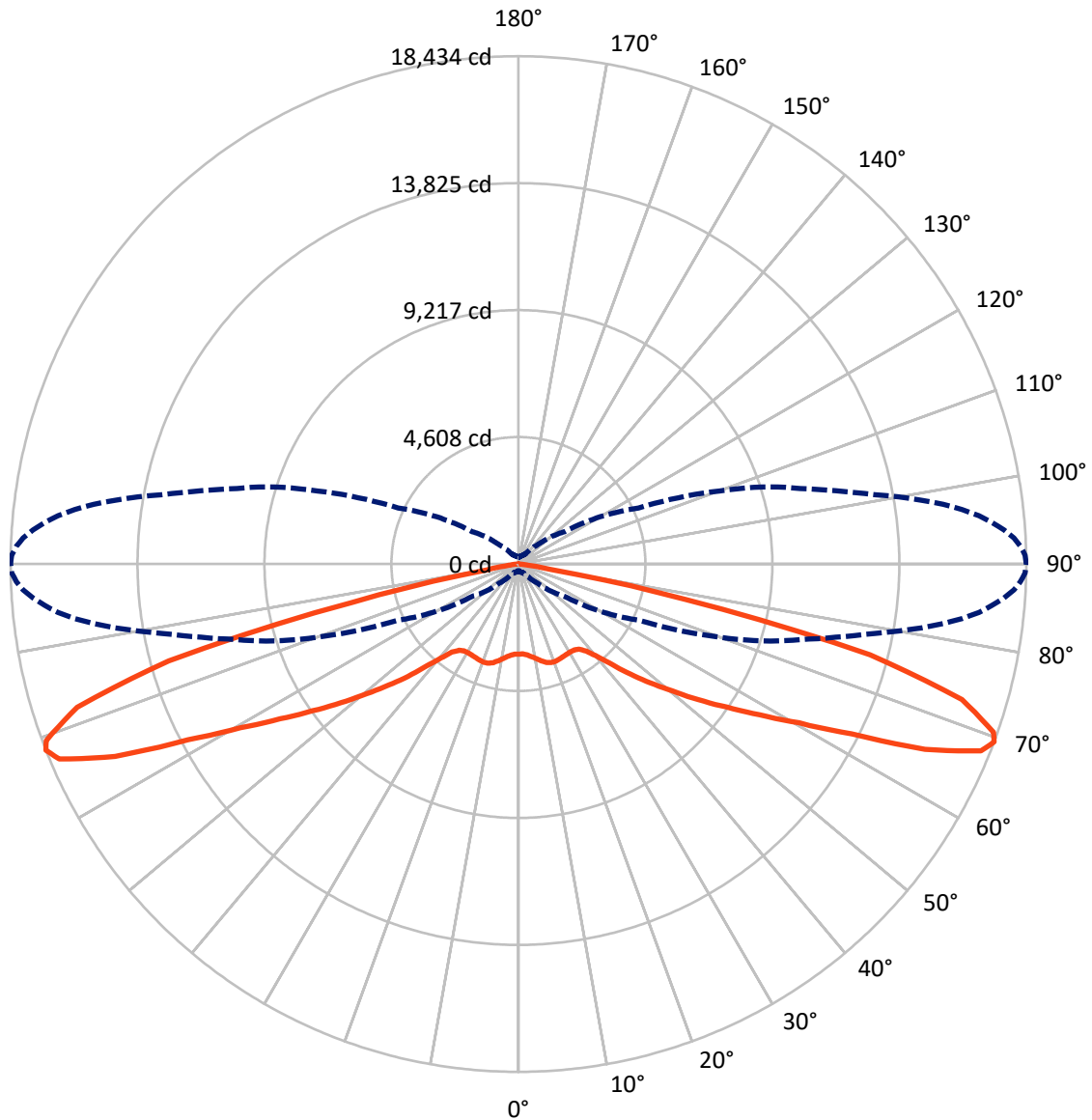
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	8718.0	0.0	8718.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8718.0	0.0	8718.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17436.0	0.0	17436.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	1.8
10°-20°	1010.9	5.8
20°-30°	1637.8	9.4
30°-40°	2041.1	11.7
40°-50°	2550.6	14.6
50°-60°	3149.4	18.1
60°-70°	3913.3	22.4
70°-80°	2597.9	14.9
80°-90°	214.5	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°	17436.0	100.0
0°-180°	17436.0	100.0



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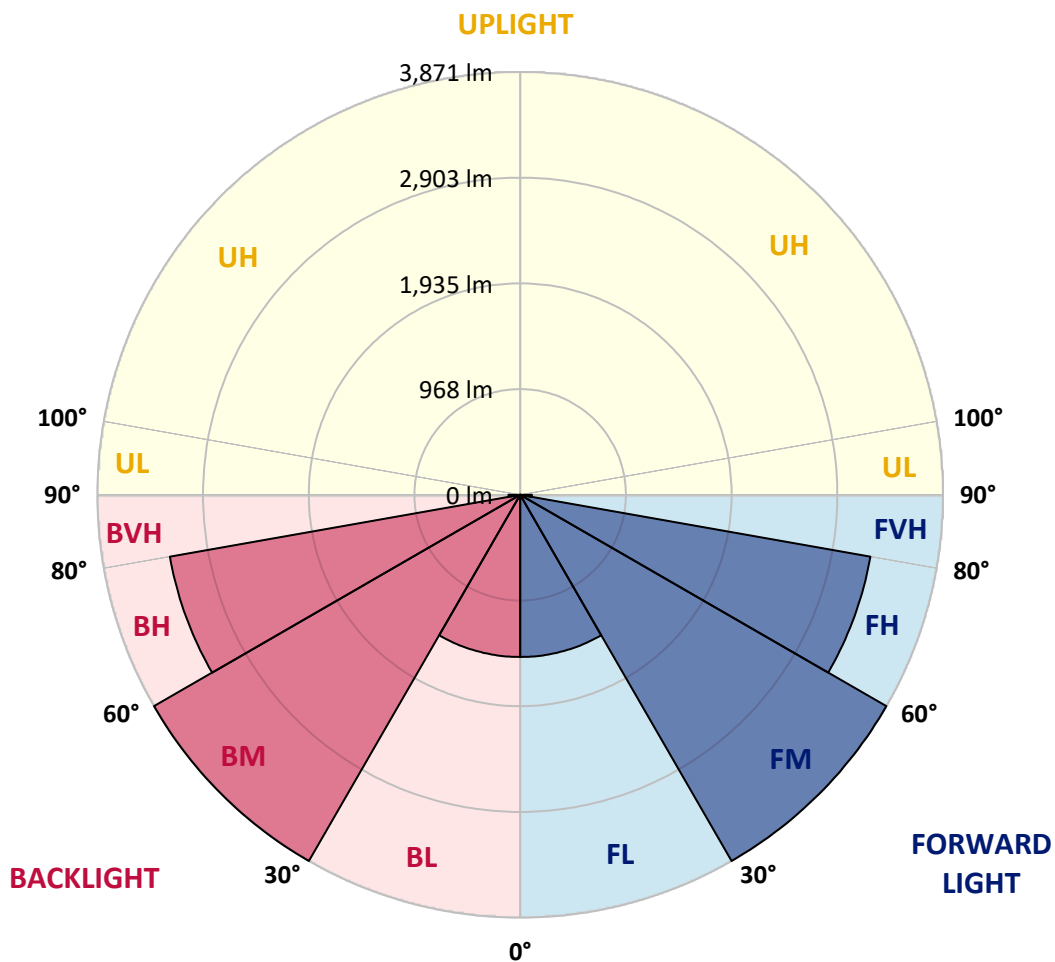
CATALOG NUMBER: ICM-E06-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1484.6	8.5			
FM	(30°-60°)	3870.6	22.2			
FH	(60°-80°)	3255.6	18.7			G2/5000
FVH	(80°-90°)	107.2	0.6			G2/225
BL	(0°-30°)	1484.6	8.5	B3/2500		
BM	(30°-60°)	3870.6	22.2	B3/5000		
BH	(60°-80°)	3255.6	18.7	B4/5000		G4/5000
BVH	(80°-90°)	107.2	0.6			G2/225
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°	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0
2.5°	3281.9	3284.7	3282.8	3286.5	3285.6	3285.6	3283.7	3280.0	3277.7	3276.1	3276.4
5°	3313.5	3309.8	3315.4	3321.0	3319.1	3320.0	3319.1	3319.1	3317.2	3317.0	3316.9
7.5°	3347.0	3346.1	3349.8	3364.7	3366.5	3372.1	3378.6	3383.3	3384.2	3385.1	3384.2
10°	3375.8	3376.8	3386.1	3407.5	3418.6	3436.3	3454.0	3467.9	3473.0	3476.3	3475.8
12.5°	3399.1	3400.0	3414.0	3447.5	3474.4	3507.9	3546.1	3567.5	3576.8	3578.4	3580.1
15°	3401.0	3403.7	3427.9	3482.8	3536.8	3591.6	3637.2	3666.1	3673.5	3678.5	3678.9
17.5°	3376.8	3378.6	3419.6	3500.5	3590.7	3676.3	3723.7	3736.8	3739.6	3741.4	3740.5
20°	3313.5	3318.2	3375.8	3495.8	3633.5	3745.1	3794.4	3776.8	3767.9	3766.9	3765.9
22.5°	3211.2	3210.3	3285.6	3447.5	3641.9	3799.1	3842.8	3796.3	3768.9	3763.2	3759.4
25°	3045.6	3056.8	3145.1	3338.6	3594.4	3811.2	3877.2	3806.5	3767.0	3758.2	3747.5
27.5°	2866.1	2872.6	2966.5	3174.0	3483.7	3769.3	3894.0	3827.0	3782.8	3770.4	3758.1
30°	2656.8	2665.1	2765.6	2982.3	3306.1	3661.4	3889.3	3873.5	3821.9	3807.1	3791.4
32.5°	2452.1	2461.4	2551.6	2788.9	3119.1	3513.5	3861.4	3939.6	3886.5	3870.2	3853.8
35°	2240.0	2254.0	2363.7	2603.7	2938.6	3348.9	3818.6	4024.2	3994.9	3980.5	3966.1
37.5°	2064.2	2067.0	2173.0	2425.1	2771.2	3191.6	3761.9	4131.2	4152.6	4152.6	4154.4
40°	1867.9	1885.6	1991.6	2257.7	2619.6	3058.6	3707.9	4276.3	4387.5	4407.8	4423.6
42.5°	1692.1	1694.0	1801.9	2076.3	2454.9	2951.6	3678.2	4451.2	4688.9	4732.3	4775.8
45°	1507.0	1514.4	1612.1	1877.2	2265.1	2825.1	3677.2	4653.1	5032.6	5105.5	5172.9
47.5°	1332.1	1334.9	1438.1	1684.7	2047.5	2648.4	3670.7	4869.8	5386.5	5494.0	5581.9
50°	1164.7	1161.9	1263.3	1500.5	1832.6	2416.8	3614.0	5115.4	5767.9	5890.3	5998.6
52.5°	973.0	986.1	1091.2	1318.1	1637.2	2181.4	3448.4	5384.2	6164.7	6306.3	6442.3
55°	785.1	790.7	903.3	1115.4	1439.1	1961.9	3160.0	5631.7	6551.7	6712.2	6863.5
57.5°	578.6	595.4	694.0	903.3	1238.1	1776.8	2793.5	5760.0	6879.6	7064.8	7244.4
60°	408.4	421.4	508.8	684.7	1017.7	1582.3	2478.2	5688.4	7143.3	7379.8	7595.8
62.5°	318.1	328.4	398.1	512.6	793.5	1387.9	2252.1	5456.8	7436.3	7744.8	8039.3
65°	279.1	288.4	351.6	410.2	592.6	1189.8	2128.4	5212.1	7828.9	8283.2	8693.8
67.5°	252.1	263.3	318.1	359.1	482.8	1038.1	2095.8	5057.7	8021.4	8613.1	9166.6
69°	240.0	251.2	300.5	334.9	448.4	984.2	2040.0	4814.9	7761.4	8393.9	8998.5
70°	232.6	241.9	287.4	322.8	437.2	947.0	1947.0	4511.7	7405.2	8043.6	8675.5
72.5°	215.8	220.5	260.5	294.9	405.6	765.6	1497.7	3350.7	5859.1	6481.7	7095.0
75°	190.7	196.3	233.5	267.0	316.3	475.4	947.9	2072.6	3945.1	4409.0	4977.9
77.5°	164.7	169.3	201.9	254.9	245.6	296.7	566.5	1153.5	2239.5	2509.0	2879.0
80°	132.1	137.7	166.5	253.0	202.8	230.7	407.4	806.5	1099.5	1179.9	1268.7
82.5°	96.7	101.4	130.2	204.7	155.3	174.0	310.7	683.7	785.6	822.0	839.7
85°	49.3	50.2	82.8	124.7	98.6	90.2	174.9	467.9	533.0	542.1	555.9
87.5°	8.4	8.4	18.6	21.4	24.2	14.9	22.3	80.0	92.6	91.9	99.6
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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CATALOG NUMBER: ICM-E06-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0
2.5°	3277.6	3277.0	3278.2	3278.3	3279.5	3275.9	3275.2	3274.4	3274.4	3276.3	3274.4
5°	3317.6	3317.4	3318.2	3319.6	3319.3	3317.0	3316.7	3317.2	3314.4	3313.5	3315.4
7.5°	3386.1	3385.1	3383.3	3386.3	3388.3	3388.5	3390.5	3388.9	3387.9	3387.0	3388.9
10°	3479.1	3478.6	3479.1	3482.3	3484.5	3484.9	3487.1	3484.7	3483.7	3485.6	3485.6
12.5°	3583.6	3581.6	3586.1	3587.9	3590.7	3596.3	3593.5	3597.2	3594.4	3599.1	3599.1
15°	3682.1	3683.4	3687.5	3689.1	3689.9	3694.3	3695.1	3697.7	3694.0	3694.9	3702.3
17.5°	3743.3	3742.3	3745.1	3746.6	3749.0	3751.5	3755.7	3758.2	3756.3	3756.3	3760.0
20°	3763.9	3761.0	3761.9	3763.2	3763.6	3765.8	3769.0	3769.3	3769.3	3770.3	3774.0
22.5°	3753.7	3749.0	3744.2	3744.6	3745.0	3744.4	3746.6	3747.9	3749.8	3751.7	3756.3
25°	3739.6	3728.9	3720.0	3719.3	3716.7	3716.9	3718.0	3718.2	3720.0	3722.8	3726.5
27.5°	3741.0	3726.8	3712.6	3707.6	3702.5	3699.4	3698.1	3695.8	3697.7	3700.5	3704.2
30°	3772.9	3750.6	3730.3	3723.9	3716.7	3710.3	3705.0	3698.6	3694.9	3697.7	3699.6
32.5°	3829.0	3807.1	3787.0	3776.8	3766.5	3755.4	3745.1	3738.6	3730.3	3727.5	3726.5
35°	3947.9	3930.7	3912.6	3901.0	3883.9	3875.2	3862.7	3844.7	3831.7	3830.7	3823.3
37.5°	4148.9	4140.5	4127.5	4115.4	4109.8	4086.5	4071.7	4062.4	4047.5	4056.8	4041.0
40°	4437.4	4451.3	4463.3	4456.2	4458.4	4452.3	4443.4	4452.1	4441.9	4439.1	4441.9
42.5°	4807.1	4856.1	4890.3	4901.1	4928.6	4939.4	4959.5	4990.7	4984.2	5019.6	5026.1
45°	5235.6	5305.7	5374.0	5424.8	5480.2	5543.1	5606.0	5655.8	5694.9	5693.1	5735.8
47.5°	5672.6	5776.3	5867.0	5943.5	6043.2	6135.5	6237.1	6339.6	6414.0	6441.9	6451.2
50°	6115.4	6234.9	6359.1	6471.5	6606.2	6753.9	6913.7	7073.5	7153.5	7218.6	7262.4
52.5°	6579.2	6716.1	6848.4	7007.1	7173.3	7368.2	7567.9	7795.4	7916.3	8039.1	8104.2
55°	7020.3	7173.4	7309.8	7522.1	7726.0	7958.7	8219.4	8507.0	8716.3	8860.5	8988.0
57.5°	7421.3	7584.1	7751.7	7991.1	8251.0	8523.0	8853.6	9202.8	9430.8	9681.9	9908.0
60°	7812.7	8017.5	8210.3	8523.2	8832.4	9170.5	9582.0	10024.2	10376.8	10718.2	10978.7
62.5°	8332.0	8594.8	8834.5	9228.1	9632.1	10049.9	10539.4	11062.4	11574.0	12037.3	12388.0
65°	9098.8	9485.3	9843.8	10342.6	10852.5	11402.5	11986.9	12655.0	13268.9	13881.9	14384.3
67.5°	9681.0	10170.3	10630.8	11233.7	11833.9	12471.3	13177.6	13966.6	14726.6	15417.8	16029.9
69°	9566.8	10085.7	10584.3	11199.9	11823.9	12474.9	13187.2	14026.1	14815.9	15566.6	16223.4
70°	9219.0	9759.8	10276.3	10887.1	11519.3	12172.0	12917.7	13741.5	14549.9	15349.9	16013.1
72.5°	7640.4	8183.0	8684.7	9309.8	9946.1	10631.7	11337.7	12140.5	13003.8	13858.7	14440.1
75°	5478.0	5957.6	6443.8	6972.5	7593.3	8158.4	8804.3	9570.3	10295.9	10959.1	11403.8
77.5°	3237.8	3525.0	3871.7	4120.4	4480.8	4791.8	5120.6	5546.1	5769.3	6197.2	6307.0
80°	1319.3	1311.3	1362.8	1311.8	1323.2	1281.5	1237.0	1228.8	1159.1	1246.5	1181.4
82.5°	838.0	779.4	717.2	630.9	554.8	475.0	401.7	340.5	329.3	331.2	327.4
85°	552.0	526.7	470.7	395.7	322.6	258.8	207.1	163.7	161.9	159.1	158.1
87.5°	99.9	92.7	76.3	65.1	54.9	40.9	28.8	21.4	20.5	20.5	24.2
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°	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0	3267.0
2.5°	3274.4	3274.4	3273.5	3275.4	3274.4	3271.6	3268.9
5°	3317.2	3313.5	3316.3	3319.1	3314.4	3315.4	3313.5
7.5°	3388.9	3387.9	3388.9	3386.1	3384.2	3387.0	3389.8
10°	3489.3	3487.5	3486.5	3489.3	3487.5	3485.6	3486.5
12.5°	3601.9	3601.9	3601.0	3601.9	3601.0	3598.2	3596.3
15°	3701.4	3703.3	3703.3	3701.4	3700.5	3699.6	3700.5
17.5°	3762.8	3761.9	3761.9	3761.9	3761.0	3761.9	3763.7
20°	3778.6	3775.8	3775.8	3777.7	3775.8	3777.7	3778.6
22.5°	3757.2	3757.2	3757.2	3758.2	3760.0	3760.0	3761.9
25°	3730.3	3730.3	3730.3	3732.1	3732.1	3733.0	3734.0
27.5°	3708.9	3708.9	3708.9	3710.7	3710.7	3711.7	3713.5
30°	3702.3	3702.3	3701.4	3702.3	3703.3	3703.3	3704.2
32.5°	3727.5	3724.7	3723.7	3721.9	3720.0	3720.0	3719.1
35°	3815.8	3808.4	3809.3	3803.7	3805.6	3801.0	3797.2
37.5°	4030.7	4023.3	4014.9	4003.7	3997.2	4005.6	4005.6
40°	4432.6	4437.2	4416.8	4411.2	4399.1	4407.5	4418.6
42.5°	5029.8	5035.4	5039.1	5008.4	5007.5	5001.0	4982.4
45°	5737.7	5724.7	5730.3	5716.3	5710.7	5690.3	5715.4
47.5°	6486.6	6494.9	6461.4	6450.3	6469.8	6436.3	6441.0
50°	7287.5	7289.3	7264.2	7258.6	7276.3	7213.1	7242.8
52.5°	8150.7	8154.5	8174.0	8150.7	8160.0	8145.2	8174.9
55°	9068.9	9138.7	9145.2	9170.3	9172.1	9202.8	9172.1
57.5°	10033.5	10112.6	10187.0	10288.4	10310.8	10298.7	10318.2
60°	11195.4	11402.9	11514.5	11673.6	11698.7	11767.5	11708.0
62.5°	12717.3	13040.1	13283.8	13406.6	13481.0	13625.2	13577.8
65°	14845.7	15229.9	15600.1	15776.8	15972.2	16176.8	16214.1
67.5°	16588.9	17015.9	17401.0	17707.1	17945.2	18095.9	18108.0
69°	16806.6	17260.6	17666.2	18006.6	18238.3	18392.7	18433.6
70°	16610.3	17074.5	17504.3	17828.9	18087.6	18244.8	18299.6
72.5°	15050.3	15602.9	15947.1	16278.2	16642.9	16690.3	16841.0
75°	11913.6	12409.4	12747.1	12834.5	13025.2	13265.2	13179.6
77.5°	6214.0	6429.8	6501.4	6348.9	6341.4	6481.9	6202.8
80°	1183.3	1185.1	1165.6	1158.1	1172.1	1158.1	1138.6
82.5°	334.0	329.3	326.5	334.0	333.0	332.1	338.6
85°	154.4	149.8	142.3	142.3	146.0	140.5	143.3
87.5°	21.4	17.7	17.7	17.7	16.7	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)