

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: P148709

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148709
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-E06-LED-E1-RW-7030
Description: VISION 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: 17119.5 lumens
Efficiency: N/A
Efficacy: 113.8 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): 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



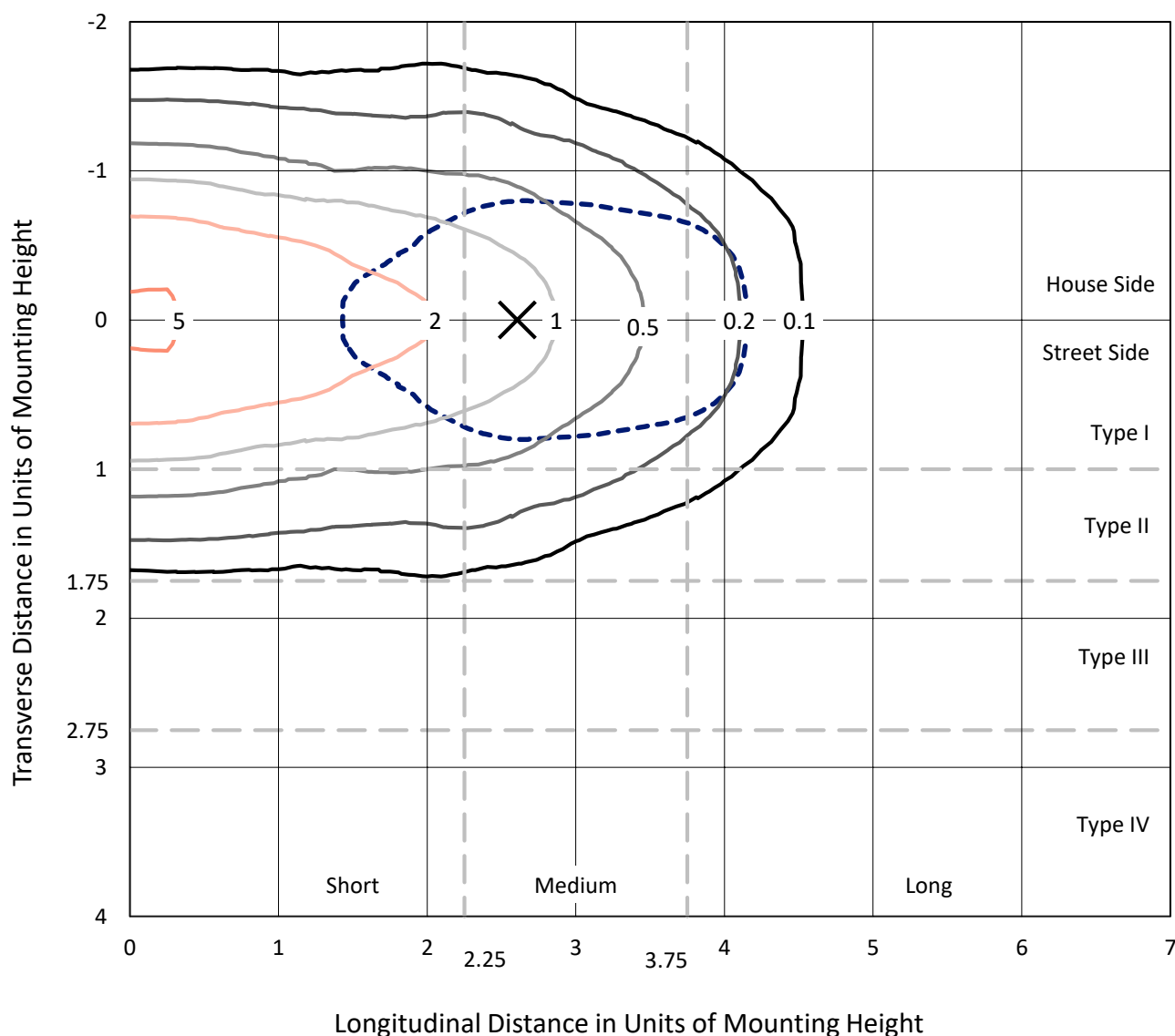
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

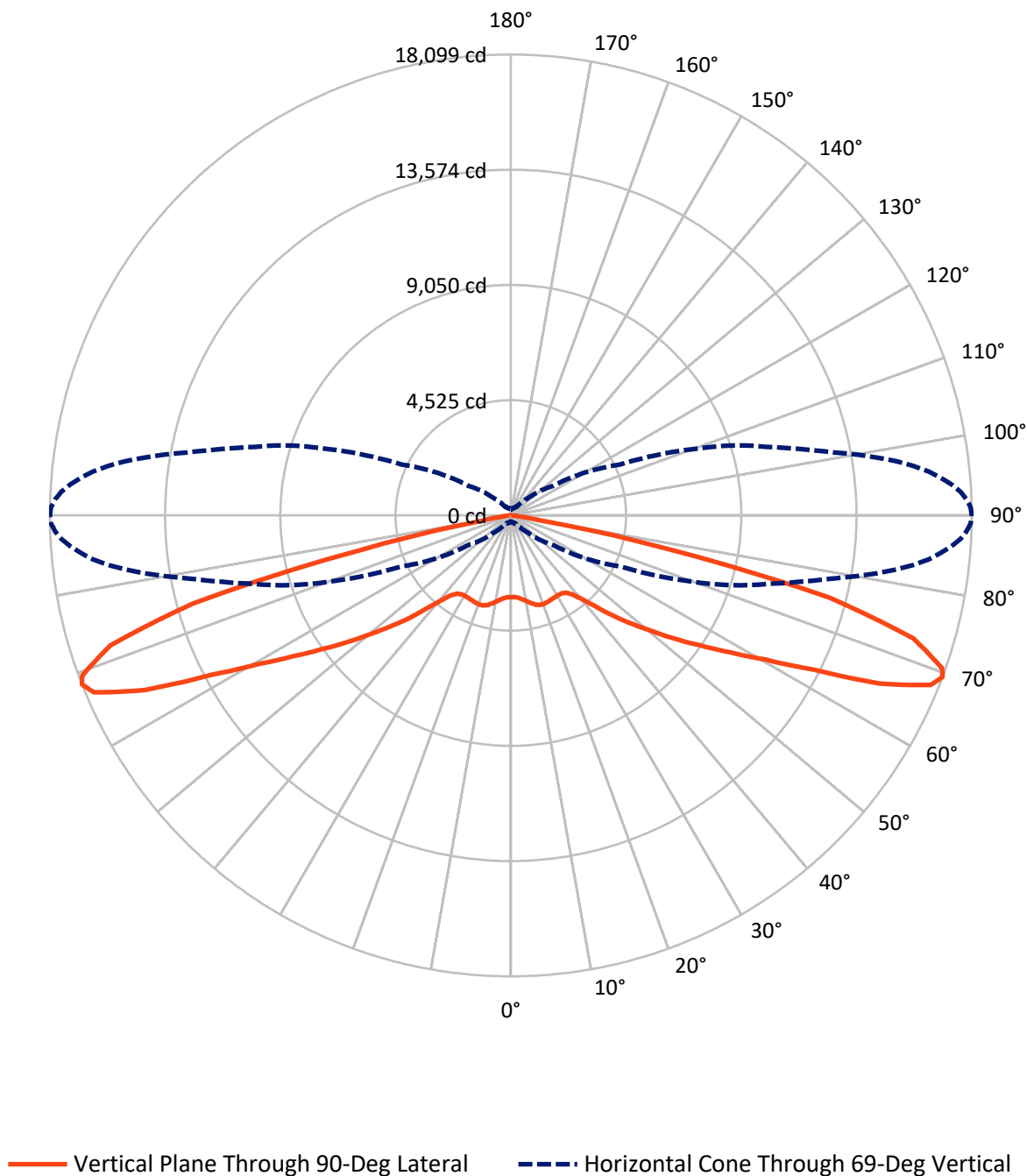


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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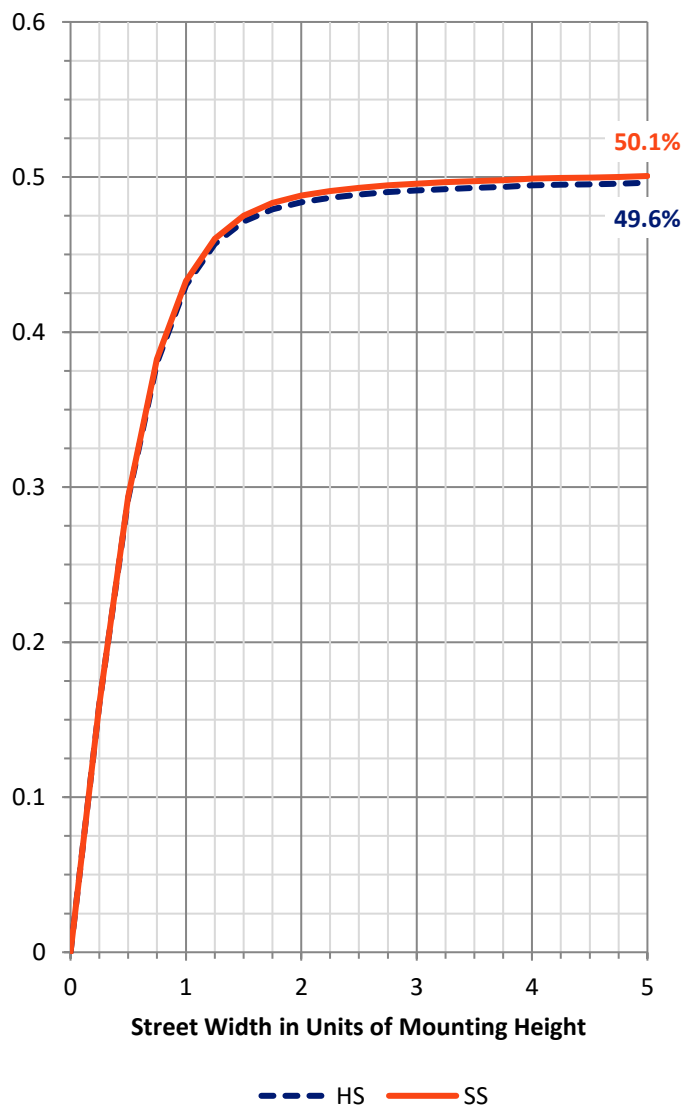
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8559.8	0.0	8559.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8559.8	0.0	8559.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17119.5	0.0	17119.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.6	1.8
10°-20°	992.6	5.8
20°-30°	1608.1	9.4
30°-40°	2004.0	11.7
40°-50°	2504.3	14.6
50°-60°	3092.3	18.1
60°-70°	3842.3	22.4
70°-80°	2550.8	14.9
80°-90°	210.6	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°	17119.5	100.0
0°-180°	17119.5	100.0

Coefficient of Utilization



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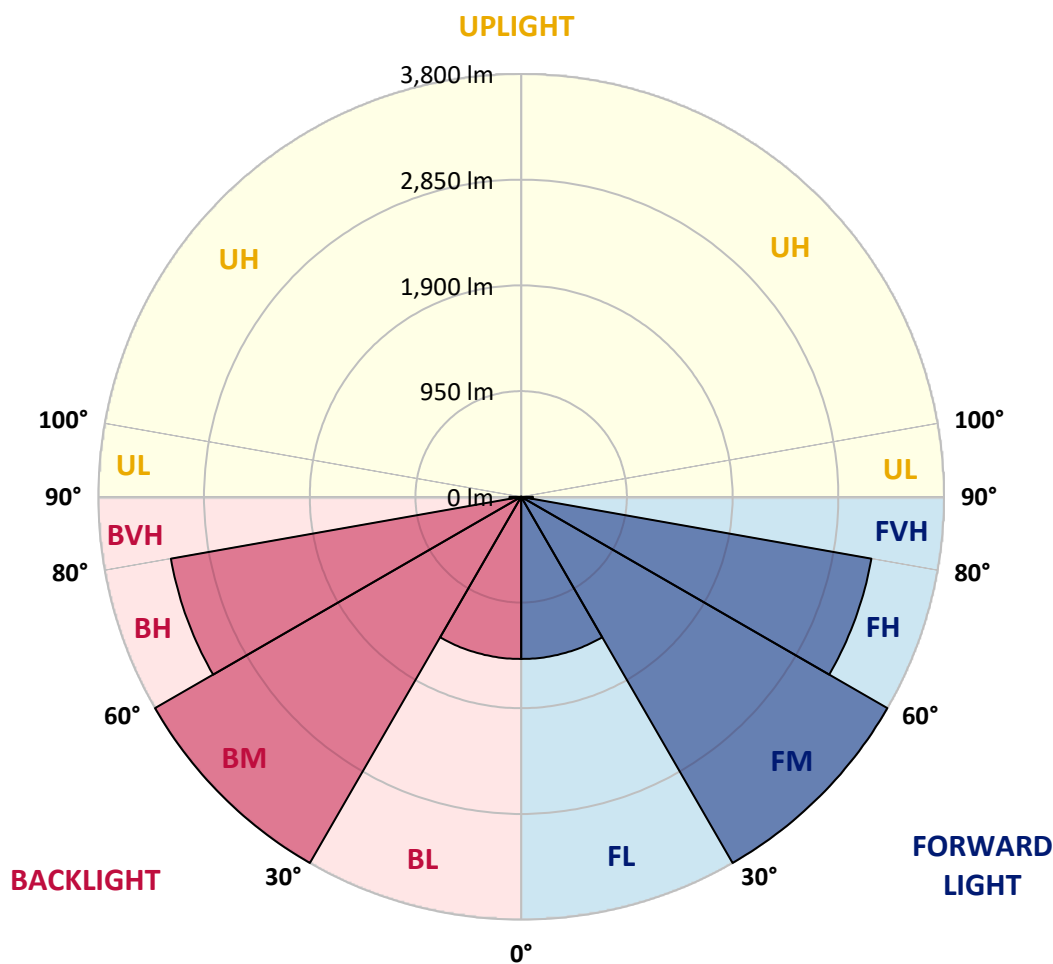
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1457.6	8.5			
FM	(30°-60°)	3800.3	22.2			
FH	(60°-80°)	3196.5	18.7			G2/5000
FVH	(80°-90°)	105.3	0.6			G2/225
BL	(0°-30°)	1457.6	8.5	B3/2500		
BM	(30°-60°)	3800.3	22.2	B3/5000		
BH	(60°-80°)	3196.5	18.7	B4/5000		G4/5000
BVH	(80°-90°)	105.3	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°	66°	67°	68°
0°	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7
2.5°	3222.3	3225.0	3223.2	3226.9	3226.0	3226.0	3224.1	3220.4	3220.0	3219.5	3219.1
5°	3253.4	3249.7	3255.2	3260.6	3258.8	3259.8	3258.8	3258.8	3258.4	3258.1	3257.7
7.5°	3286.2	3285.4	3289.0	3303.6	3305.4	3310.9	3317.3	3321.8	3322.0	3322.2	3322.4
10°	3314.6	3315.4	3324.6	3345.6	3356.6	3373.9	3391.2	3405.0	3406.0	3407.0	3408.0
12.5°	3337.4	3338.3	3352.0	3384.9	3411.4	3444.2	3481.7	3502.7	3504.5	3506.4	3508.2
15°	3339.2	3342.0	3365.7	3419.6	3472.6	3526.4	3571.2	3599.5	3601.0	3602.4	3603.9
17.5°	3315.4	3317.3	3357.5	3437.0	3525.5	3609.6	3656.2	3668.9	3669.4	3670.0	3670.6
20°	3253.4	3257.9	3314.6	3432.4	3567.6	3677.2	3725.6	3708.2	3706.5	3704.7	3703.0
22.5°	3152.8	3152.0	3226.0	3384.9	3575.8	3730.1	3773.0	3727.4	3722.0	3716.6	3711.2
25°	2990.3	3001.2	3088.0	3278.0	3529.2	3742.0	3806.8	3737.4	3729.7	3721.9	3714.2
27.5°	2814.0	2820.4	2912.7	3116.4	3420.5	3700.9	3823.3	3757.5	3748.8	3740.2	3731.5
30°	2608.6	2616.8	2715.4	2928.2	3246.0	3595.0	3818.8	3803.2	3793.1	3782.9	3772.8
32.5°	2407.6	2416.7	2505.3	2738.2	3062.4	3449.7	3791.4	3868.0	3857.6	3847.2	3836.8
35°	2199.4	2213.0	2320.8	2556.5	2885.3	3288.0	3749.3	3951.2	3945.4	3939.6	3933.9
37.5°	2026.7	2029.5	2133.6	2381.1	2720.9	3133.7	3693.6	4056.2	4060.4	4064.6	4068.8
40°	1834.0	1851.4	1955.5	2216.7	2572.0	3003.1	3640.6	4198.6	4220.5	4242.3	4264.1
42.5°	1661.4	1663.2	1769.2	2038.6	2410.4	2898.0	3611.4	4370.4	4417.1	4463.7	4510.4
45°	1479.6	1486.9	1582.8	1843.2	2224.0	2773.9	3610.4	4568.6	4643.1	4717.7	4792.2
47.5°	1307.9	1310.6	1412.0	1654.1	2010.3	2600.3	3604.0	4781.4	4882.9	4984.3	5085.8
50°	1143.5	1140.8	1240.4	1473.2	1799.3	2372.9	3548.4	5022.6	5150.7	5278.8	5407.0
52.5°	955.4	968.2	1071.4	1294.2	1607.4	2141.8	3385.8	5286.5	5439.8	5593.0	5746.3
55°	770.8	776.4	886.8	1095.2	1412.9	1926.2	3102.6	5529.4	5710.1	5890.8	6071.4
57.5°	568.1	584.5	681.3	886.8	1215.6	1744.5	2742.8	5655.5	5875.3	6095.2	6315.0
60°	401.0	413.8	499.6	672.2	999.2	1553.6	2433.1	5585.2	5870.8	6156.5	6442.2
62.5°	312.4	322.4	391.0	503.2	779.1	1362.8	2211.2	5357.7	5746.4	6135.2	6523.9
65°	274.0	283.2	345.2	402.8	581.8	1168.2	2089.8	5117.5	5631.4	6145.2	6659.0
67.5°	247.5	258.5	312.4	352.6	474.0	1019.3	2057.8	4965.9	5547.9	6129.9	6711.9
69°	235.6	246.6	295.0	328.8	440.2	966.3	2003.0	4727.5	5306.1	5884.7	6463.3
70°	228.4	237.4	282.2	316.9	429.3	929.8	1911.6	4429.8	4998.0	5566.2	6134.4
72.5°	211.9	216.4	255.8	289.6	398.2	751.7	1470.5	3289.9	3782.5	4275.0	4767.6
75°	187.2	192.8	229.2	262.2	310.5	466.7	930.8	2035.0	2402.7	2770.4	3138.1
77.5°	161.6	166.2	198.2	250.2	241.2	291.4	556.2	1132.6	1345.8	1559.1	1772.4
80°	129.7	135.2	163.5	248.4	199.1	226.6	400.0	791.9	849.4	907.0	964.5
82.5°	95.0	99.6	127.9	201.0	152.5	170.8	305.0	671.3	691.3	711.3	731.3
85°	48.4	49.3	81.2	122.4	96.8	88.6	171.8	459.4	472.2	485.0	497.8
87.5°	8.2	8.2	18.2	21.0	23.8	14.6	21.9	78.6	81.0	83.5	85.9
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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CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7
2.5°	3218.6	3218.2	3216.6	3216.9	3218.1	3217.5	3218.6	3218.8	3219.9	3216.4	3215.7
5°	3257.4	3257.0	3256.8	3256.6	3257.4	3257.2	3258.0	3259.4	3259.0	3256.8	3256.5
7.5°	3322.6	3322.8	3323.7	3322.8	3324.6	3323.6	3321.8	3324.8	3326.8	3327.0	3329.0
10°	3409.0	3410.0	3413.2	3412.7	3416.0	3415.5	3416.0	3419.0	3421.3	3421.6	3423.8
12.5°	3510.0	3511.8	3513.5	3515.1	3518.6	3516.6	3521.0	3522.8	3525.6	3531.0	3528.3
15°	3605.3	3606.8	3611.7	3612.1	3615.2	3616.5	3620.5	3622.2	3622.9	3627.2	3628.0
17.5°	3671.1	3671.6	3673.5	3672.6	3675.3	3674.4	3677.2	3678.6	3681.0	3683.4	3687.6
20°	3701.3	3699.5	3698.5	3697.5	3695.6	3692.8	3693.6	3694.8	3695.2	3697.4	3700.5
22.5°	3705.8	3700.4	3694.9	3691.1	3685.6	3680.9	3676.2	3676.6	3677.0	3676.4	3678.6
25°	3706.4	3698.6	3690.0	3679.5	3671.7	3661.2	3652.5	3651.8	3649.2	3649.4	3650.5
27.5°	3722.8	3714.1	3702.0	3689.8	3673.1	3659.2	3645.2	3640.2	3635.3	3632.2	3630.9
30°	3762.7	3752.5	3738.0	3722.5	3704.4	3682.6	3662.6	3656.3	3649.2	3643.0	3637.7
32.5°	3826.4	3816.0	3799.9	3783.8	3759.6	3738.0	3718.2	3708.2	3698.2	3687.2	3677.1
35°	3928.2	3922.4	3908.2	3894.1	3876.3	3859.4	3841.6	3830.2	3813.4	3804.8	3792.6
37.5°	4073.0	4077.2	4077.2	4079.0	4073.6	4065.3	4052.6	4040.7	4035.2	4012.4	3997.8
40°	4286.0	4307.8	4327.8	4343.3	4356.9	4370.5	4382.2	4375.3	4377.5	4371.5	4362.7
42.5°	4557.1	4603.8	4646.4	4689.0	4719.8	4768.0	4801.5	4812.0	4839.1	4849.7	4869.5
45°	4866.7	4941.2	5012.8	5079.0	5140.5	5209.4	5276.4	5326.3	5380.7	5442.5	5504.2
47.5°	5187.3	5288.8	5394.3	5480.6	5569.6	5671.4	5760.5	5835.6	5933.5	6024.1	6123.8
50°	5535.1	5663.2	5783.4	5889.7	6004.4	6121.7	6243.6	6354.0	6486.2	6631.3	6788.2
52.5°	5899.5	6052.8	6191.8	6325.3	6459.8	6594.2	6724.0	6879.9	7043.0	7234.4	7430.5
55°	6252.0	6432.7	6590.4	6738.9	6892.9	7043.2	7177.1	7385.5	7585.7	7814.3	8070.2
57.5°	6534.8	6754.7	6936.5	7112.9	7286.5	7446.5	7611.0	7846.1	8101.3	8368.3	8692.9
60°	6727.9	7013.6	7245.8	7457.9	7670.8	7872.0	8061.2	8368.5	8672.1	9004.0	9408.1
62.5°	6912.6	7301.4	7604.2	7893.4	8180.7	8438.8	8674.1	9060.6	9457.2	9867.5	10348.1
65°	7172.9	7686.8	8132.8	8536.0	8933.7	9313.1	9665.1	10154.8	10655.5	11195.5	11769.3
67.5°	7293.8	7875.8	8456.7	9000.2	9505.2	9985.7	10437.8	11029.8	11619.1	12244.9	12938.4
69°	7041.9	7620.5	8241.5	8835.1	9393.1	9902.6	10392.1	10996.5	11609.2	12248.4	12947.8
70°	6702.6	7270.8	7897.6	8518.0	9051.7	9582.6	10089.8	10689.5	11310.2	11951.0	12683.2
72.5°	5260.2	5752.7	6364.0	6966.2	7501.7	8034.5	8527.0	9140.8	9765.6	10438.7	11131.9
75°	3505.8	3873.5	4328.9	4887.5	5378.5	5849.5	6326.8	6845.9	7455.5	8010.3	8644.5
77.5°	1985.6	2198.9	2463.5	2826.8	3179.0	3461.0	3801.4	4045.6	4399.4	4704.9	5027.6
80°	1022.0	1079.6	1158.5	1245.6	1295.3	1287.4	1338.0	1288.0	1299.1	1258.2	1214.6
82.5°	751.3	771.3	807.0	824.5	822.7	765.3	704.2	619.4	544.7	466.4	394.4
85°	510.5	523.3	532.3	545.8	542.0	517.1	462.2	388.5	316.7	254.1	203.3
87.5°	88.4	90.8	90.2	97.8	98.1	91.0	74.8	63.9	53.9	40.2	28.3
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°	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7
2.5°	3215.0	3215.0	3216.8	3215.0	3215.0	3215.0	3214.0	3215.9	3215.0	3212.2	3209.5
5°	3257.0	3254.2	3253.4	3255.2	3257.0	3253.4	3256.1	3258.8	3254.3	3255.2	3253.4
7.5°	3327.4	3326.4	3325.5	3327.4	3327.3	3326.4	3327.4	3324.6	3322.8	3325.5	3328.2
10°	3421.4	3420.5	3422.3	3422.4	3426.0	3424.2	3423.2	3426.0	3424.2	3422.3	3423.2
12.5°	3532.0	3529.2	3533.8	3533.8	3536.5	3536.5	3535.6	3536.5	3535.6	3532.8	3531.0
15°	3630.6	3626.9	3627.8	3635.2	3634.2	3636.0	3636.0	3634.2	3633.3	3632.4	3633.3
17.5°	3690.0	3688.1	3688.2	3691.8	3694.5	3693.6	3693.6	3693.6	3692.6	3693.6	3695.4
20°	3700.8	3700.9	3701.8	3705.4	3710.0	3707.3	3707.3	3709.1	3707.2	3709.2	3710.0
22.5°	3679.9	3681.7	3683.6	3688.1	3689.0	3689.0	3689.0	3690.0	3691.8	3691.8	3693.6
25°	3650.7	3652.4	3655.2	3658.9	3662.6	3662.6	3662.6	3664.4	3664.4	3665.3	3666.2
27.5°	3628.8	3630.6	3633.3	3637.0	3641.5	3641.6	3641.6	3643.4	3643.4	3644.3	3646.1
30°	3631.4	3627.8	3630.6	3632.4	3635.2	3635.1	3634.2	3635.1	3636.0	3636.0	3637.0
32.5°	3670.8	3662.6	3659.8	3658.9	3659.8	3657.0	3656.2	3654.3	3652.5	3652.5	3651.6
35°	3774.8	3762.1	3761.2	3753.8	3746.6	3739.2	3740.2	3734.7	3736.5	3732.0	3728.3
37.5°	3988.6	3974.0	3983.2	3967.6	3957.6	3950.2	3942.0	3931.0	3924.7	3932.8	3932.9
40°	4371.3	4361.2	4358.5	4361.2	4352.1	4356.6	4336.6	4331.1	4319.2	4327.5	4338.4
42.5°	4900.2	4893.7	4928.4	4934.8	4938.5	4944.0	4947.6	4917.4	4916.5	4910.2	4891.9
45°	5553.2	5591.5	5589.7	5631.7	5633.6	5620.8	5626.2	5612.5	5607.0	5587.0	5611.6
47.5°	6224.4	6297.5	6325.0	6334.0	6368.8	6377.0	6344.2	6333.2	6352.4	6319.5	6324.0
50°	6945.2	7023.6	7087.6	7130.5	7155.2	7157.0	7132.4	7126.9	7144.2	7082.1	7111.3
52.5°	7653.9	7772.6	7893.2	7957.1	8002.8	8006.4	8025.6	8002.8	8012.0	7997.3	8026.5
55°	8352.6	8558.1	8699.7	8824.8	8904.2	8972.8	8979.2	9003.8	9005.6	9035.8	9005.6
57.5°	9035.8	9259.6	9506.2	9728.1	9851.4	9929.0	10002.1	10101.7	10123.6	10111.7	10130.9
60°	9842.3	10188.4	10523.7	10779.4	10992.2	11195.8	11305.4	11461.7	11486.3	11553.9	11495.4
62.5°	10861.6	11363.9	11818.8	12163.1	12486.4	12803.4	13042.7	13163.2	13236.3	13377.8	13331.3
65°	12425.2	13028.0	13630.0	14123.2	14576.2	14953.4	15316.9	15490.4	15682.2	15883.2	15919.7
67.5°	13713.0	14459.2	15137.9	15738.8	16287.8	16707.0	17085.2	17385.6	17619.4	17767.4	17779.3
69°	13771.5	14547.0	15284.0	15928.8	16501.5	16947.2	17345.4	17679.7	17907.2	18058.8	18099.0
70°	13492.0	14285.7	15071.2	15722.4	16308.8	16764.6	17186.5	17505.3	17759.2	17913.5	17967.4
72.5°	11920.2	12767.7	13607.1	14177.9	14777.1	15319.6	15657.6	15982.7	16340.8	16387.3	16535.3
75°	9396.6	10109.0	10760.2	11196.8	11697.3	12184.1	12515.7	12601.5	12788.7	13024.4	12940.3
77.5°	5445.4	5664.6	6084.8	6192.5	6101.2	6313.1	6383.4	6233.6	6226.3	6364.2	6090.2
80°	1206.6	1138.1	1223.9	1160.0	1161.8	1163.6	1144.4	1137.2	1150.8	1137.2	1117.9
82.5°	334.3	323.4	325.2	321.5	327.9	323.3	320.6	327.9	327.0	326.1	332.5
85°	160.8	159.0	156.2	155.3	151.6	147.0	139.8	139.8	143.4	138.0	140.7
87.5°	21.0	20.1	20.1	23.7	21.0	17.4	17.4	17.4	16.4	16.4	16.4
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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