

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: P148708

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148708
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-8030
Description: VISION 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: 15819.4 lumens
Efficiency: N/A
Efficacy: 105.1 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



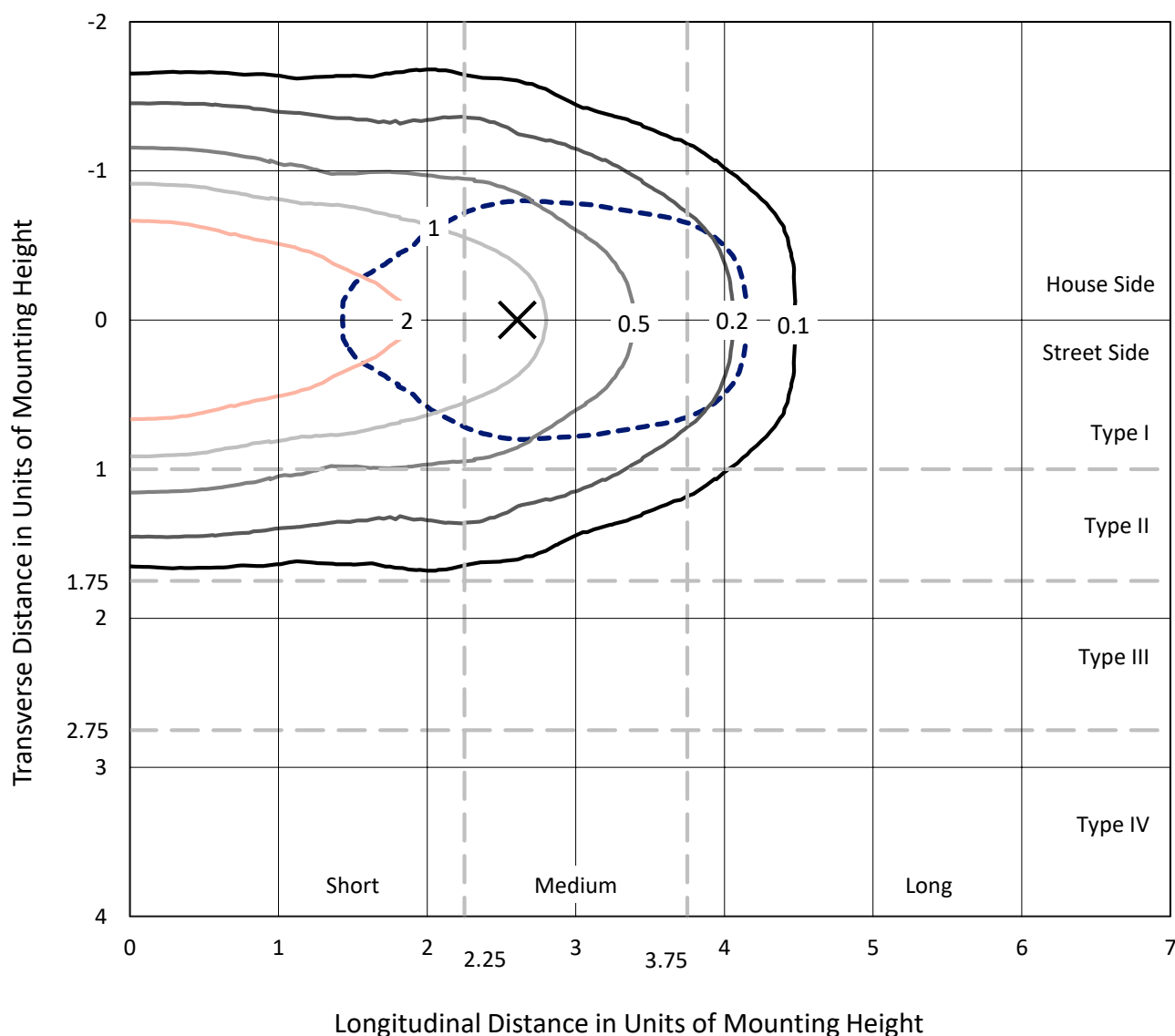
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

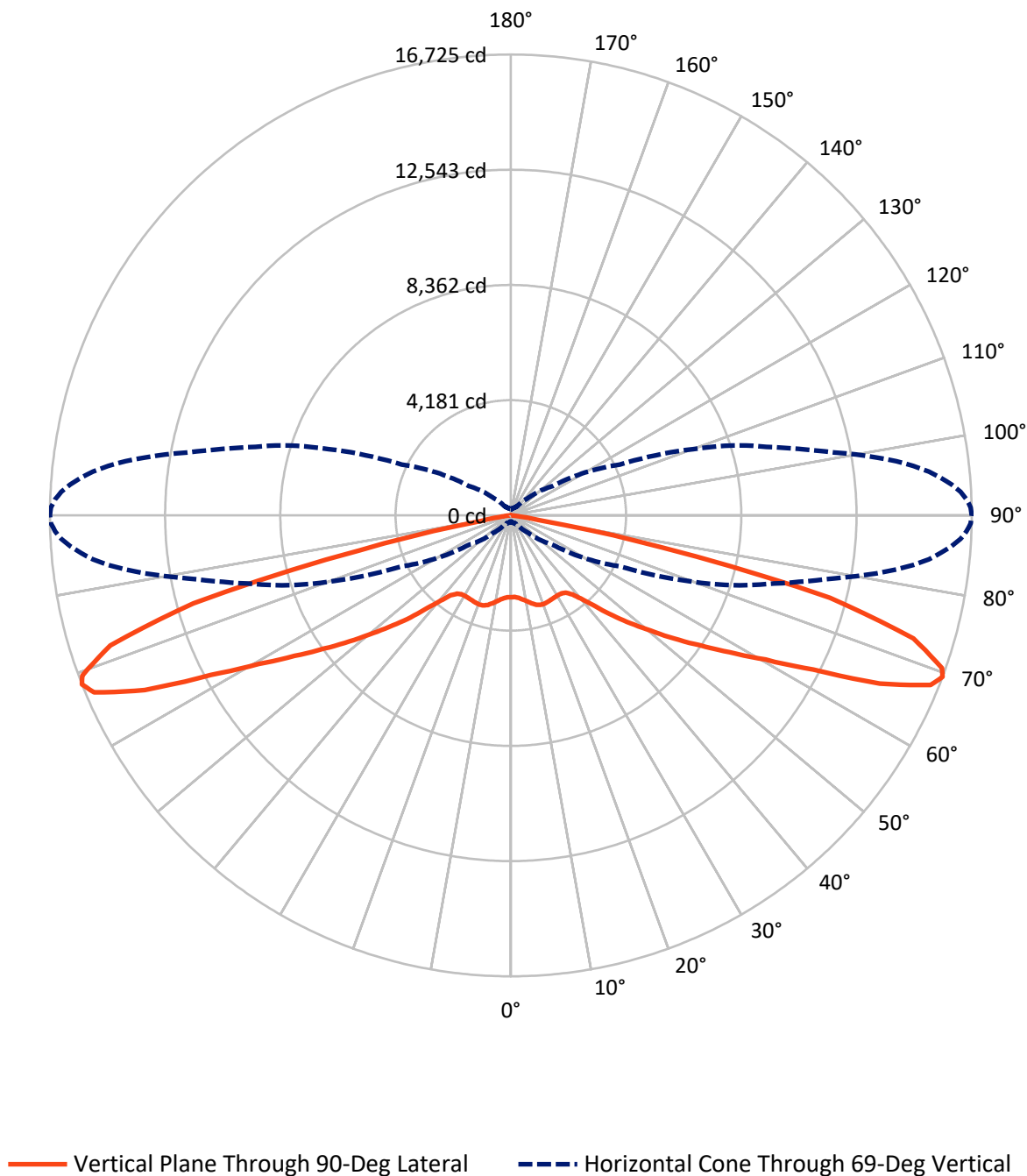


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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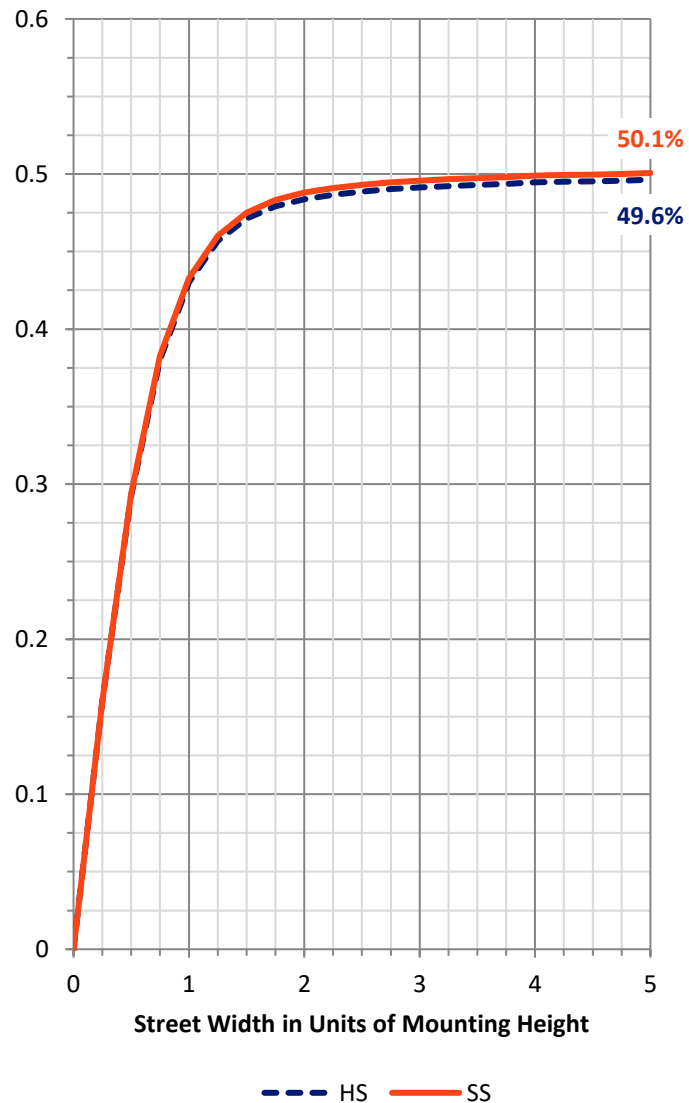
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7909.7	0.0	7909.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7909.7	0.0	7909.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15819.4	0.0	15819.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	1.8
10°-20°	917.2	5.8
20°-30°	1485.9	9.4
30°-40°	1851.9	11.7
40°-50°	2314.1	14.6
50°-60°	2857.4	18.1
60°-70°	3550.5	22.4
70°-80°	2357.1	14.9
80°-90°	194.6	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°	15819.4	100.0
0°-180°	15819.4	100.0

Coefficient of Utilization



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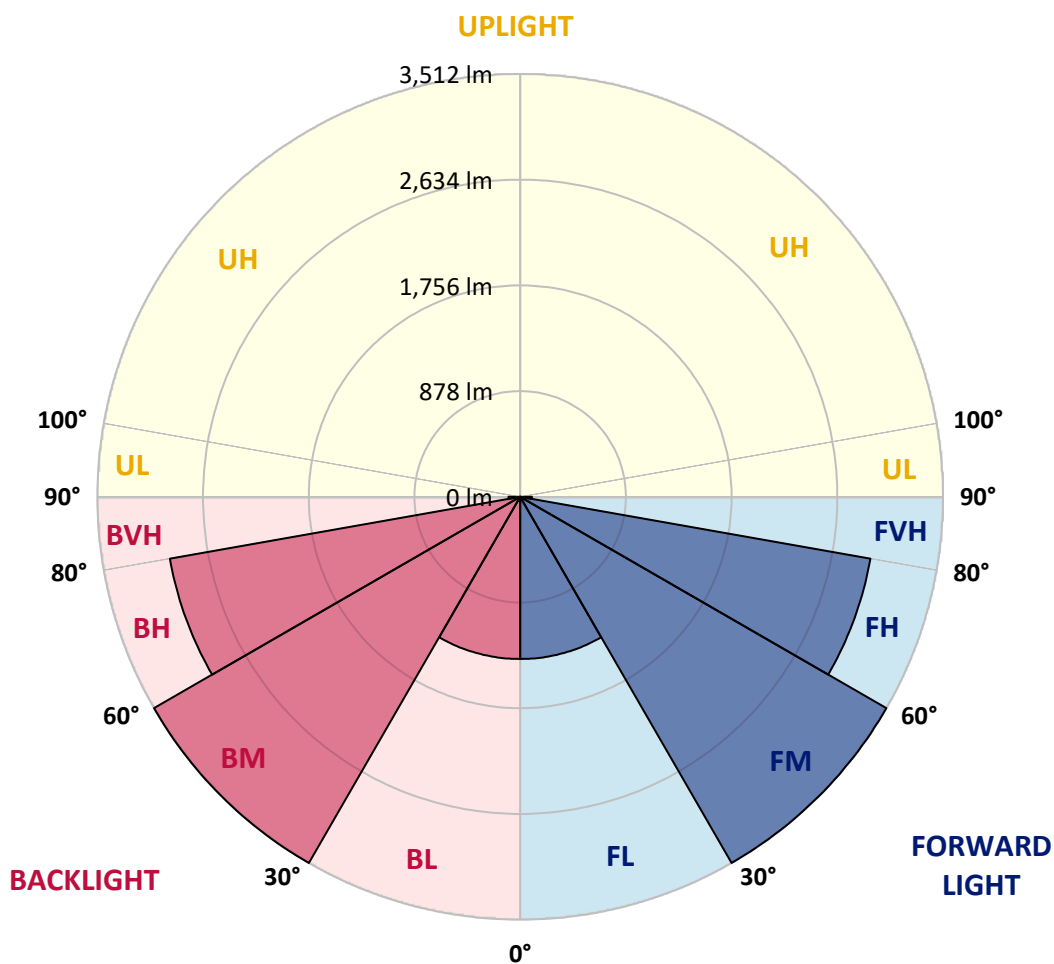
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1346.9	8.5			
FM	(30°-60°)	3511.7	22.2			
FH	(60°-80°)	2953.8	18.7			G2/5000
FVH	(80°-90°)	97.3	0.6			G1/100
BL	(0°-30°)	1346.9	8.5	B3/2500		
BM	(30°-60°)	3511.7	22.2	B3/5000		
BH	(60°-80°)	2953.8	18.7	B4/5000		G4/5000
BVH	(80°-90°)	97.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1
2.5°	2977.6	2980.1	2978.5	2981.8	2981.0	2981.0	2979.3	2976.0	2975.5	2975.1	2974.7
5°	3006.2	3003.0	3008.0	3013.0	3011.4	3012.2	3011.4	3011.4	3011.0	3010.7	3010.3
7.5°	3036.7	3035.8	3039.2	3052.8	3054.4	3059.5	3065.4	3069.6	3069.8	3069.9	3070.1
10°	3062.9	3063.6	3072.2	3091.6	3101.6	3117.7	3133.8	3146.4	3147.3	3148.2	3149.2
12.5°	3084.0	3084.8	3097.5	3127.9	3152.4	3182.7	3217.3	3236.7	3238.4	3240.1	3241.8
15°	3085.6	3088.1	3110.1	3159.9	3208.8	3258.6	3300.0	3326.2	3327.5	3328.8	3330.2
17.5°	3063.7	3065.4	3102.6	3176.0	3257.8	3335.4	3378.5	3390.3	3390.8	3391.3	3391.8
20°	3006.3	3010.6	3062.9	3171.7	3296.6	3397.9	3442.6	3426.6	3425.0	3423.4	3421.8
22.5°	2913.4	2912.6	2981.0	3127.9	3304.2	3446.8	3486.5	3444.3	3439.3	3434.4	3429.4
25°	2763.2	2773.4	2853.6	3029.0	3261.1	3457.8	3517.8	3453.6	3446.4	3439.3	3432.1
27.5°	2600.3	2606.2	2691.5	2879.7	3160.8	3419.8	3533.0	3472.2	3464.1	3456.1	3448.1
30°	2410.4	2418.0	2509.2	2705.9	2999.6	3322.0	3528.7	3514.4	3505.0	3495.6	3486.3
32.5°	2224.8	2233.2	2315.1	2530.2	2829.9	3187.8	3503.4	3574.3	3564.7	3555.1	3545.5
35°	2032.4	2045.0	2144.6	2362.4	2666.2	3038.4	3464.6	3651.1	3645.8	3640.5	3635.2
37.5°	1872.8	1875.4	1971.6	2200.3	2514.2	2895.8	3413.1	3748.2	3752.1	3756.0	3759.8
40°	1694.7	1710.8	1807.0	2048.4	2376.7	2775.0	3364.2	3879.8	3900.0	3920.2	3940.3
42.5°	1535.2	1536.9	1634.8	1883.8	2227.3	2678.0	3337.2	4038.5	4081.6	4124.8	4167.9
45°	1367.2	1374.0	1462.6	1703.2	2055.2	2563.2	3336.3	4221.6	4290.5	4359.4	4428.2
47.5°	1208.6	1211.1	1304.8	1528.4	1857.6	2402.8	3330.4	4418.3	4512.1	4605.8	4699.6
50°	1056.6	1054.2	1146.2	1361.4	1662.6	2192.7	3278.9	4641.1	4759.5	4877.9	4996.3
52.5°	882.8	894.6	990.0	1196.0	1485.4	1979.2	3128.7	4885.0	5026.7	5168.3	5309.9
55°	712.3	717.4	819.5	1012.0	1305.6	1780.0	2867.0	5109.5	5276.4	5443.4	5610.3
57.5°	525.0	540.2	629.6	819.5	1123.4	1612.0	2534.5	5226.0	5429.1	5632.3	5835.4
60°	370.5	382.4	461.6	621.2	923.3	1435.6	2248.4	5161.0	5425.0	5689.0	5953.0
62.5°	288.6	297.9	361.2	465.0	719.9	1259.2	2043.3	4950.8	5310.1	5669.3	6028.5
65°	253.2	261.6	319.0	372.2	537.6	1079.4	1931.0	4728.8	5203.7	5678.5	6153.4
67.5°	228.8	238.8	288.6	325.8	438.0	941.9	1901.5	4588.8	5126.6	5664.4	6202.2
69°	217.8	227.9	272.6	303.8	406.8	893.0	1850.8	4368.5	4903.2	5437.8	5972.5
70°	211.0	219.4	260.8	292.9	396.6	859.2	1766.5	4093.4	4618.4	5143.5	5668.5
72.5°	195.8	200.0	236.4	267.5	368.0	694.6	1358.8	3040.0	3495.2	3950.4	4405.5
75°	173.0	178.1	211.8	242.2	287.0	431.2	860.0	1880.4	2220.2	2560.0	2899.8
77.5°	149.4	153.6	183.2	231.2	222.8	269.2	514.0	1046.6	1243.6	1440.7	1637.8
80°	119.8	124.9	151.1	229.6	184.0	209.3	369.6	731.8	784.9	838.1	891.3
82.5°	87.8	92.0	118.2	185.7	141.0	157.9	281.9	620.4	638.8	657.3	675.8
85°	44.7	45.6	75.1	113.1	89.4	81.8	158.7	424.5	436.3	448.1	460.0
87.5°	7.6	7.6	16.9	19.4	22.0	13.5	20.2	72.6	74.9	77.2	79.4
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1
2.5°	2974.2	2973.8	2972.4	2972.6	2973.7	2973.1	2974.2	2974.4	2975.4	2972.2	2971.5
5°	3010.0	3009.7	3009.5	3009.3	3010.0	3009.8	3010.5	3011.9	3011.5	3009.5	3009.2
7.5°	3070.3	3070.4	3071.3	3070.4	3072.1	3071.3	3069.6	3072.3	3074.1	3074.3	3076.2
10°	3150.1	3151.0	3154.0	3153.6	3156.5	3156.1	3156.5	3159.4	3161.4	3161.7	3163.8
12.5°	3243.4	3245.1	3246.6	3248.2	3251.4	3249.5	3253.6	3255.2	3257.8	3262.9	3260.3
15°	3331.5	3332.9	3337.4	3337.8	3340.6	3341.8	3345.6	3347.1	3347.7	3351.8	3352.5
17.5°	3392.3	3392.8	3394.5	3393.7	3396.2	3395.4	3397.9	3399.2	3401.4	3403.6	3407.6
20°	3420.2	3418.6	3417.7	3416.7	3415.0	3412.3	3413.1	3414.3	3414.6	3416.7	3419.5
22.5°	3424.4	3419.4	3414.3	3410.8	3405.7	3401.4	3397.0	3397.4	3397.7	3397.2	3399.3
25°	3424.9	3417.8	3409.7	3400.0	3392.8	3383.1	3375.1	3374.4	3372.1	3372.3	3373.3
27.5°	3440.1	3432.1	3420.8	3409.6	3394.2	3381.3	3368.4	3363.8	3359.2	3356.4	3355.2
30°	3476.9	3467.5	3454.1	3439.8	3423.1	3402.9	3384.4	3378.7	3372.1	3366.3	3361.4
32.5°	3535.8	3526.2	3511.3	3496.5	3474.0	3454.1	3435.9	3426.6	3417.3	3407.2	3397.9
35°	3629.8	3624.5	3611.4	3598.4	3581.9	3566.3	3549.8	3539.4	3523.9	3515.9	3504.6
37.5°	3763.7	3767.6	3767.6	3769.3	3764.2	3756.6	3744.8	3733.8	3728.8	3707.7	3694.2
40°	3960.5	3980.7	3999.2	4013.5	4026.0	4038.6	4049.4	4043.0	4045.1	4039.5	4031.4
42.5°	4211.0	4254.1	4293.5	4333.0	4361.4	4405.9	4436.8	4446.6	4471.6	4481.4	4499.6
45°	4497.1	4566.0	4632.2	4693.2	4750.2	4813.8	4875.7	4921.8	4972.1	5029.2	5086.2
47.5°	4793.4	4887.1	4984.6	5064.4	5146.7	5240.8	5323.0	5392.4	5482.9	5566.6	5658.8
50°	5114.7	5233.2	5344.2	5442.5	5548.4	5656.8	5769.6	5871.5	5993.7	6127.7	6272.7
52.5°	5451.5	5593.1	5721.6	5845.0	5969.2	6093.5	6213.5	6357.5	6508.2	6685.1	6866.2
55°	5777.3	5944.2	6089.9	6227.1	6369.4	6508.3	6632.0	6824.7	7009.7	7220.8	7457.3
57.5°	6038.6	6241.7	6409.7	6572.8	6733.2	6880.9	7033.0	7250.2	7486.0	7732.8	8032.8
60°	6217.0	6481.0	6695.5	6891.5	7088.3	7274.2	7449.0	7733.0	8013.5	8320.2	8693.6
62.5°	6387.7	6746.9	7026.7	7293.9	7559.4	7797.9	8015.4	8372.6	8739.0	9118.1	9562.2
65°	6628.2	7103.0	7515.2	7887.7	8255.2	8605.8	8931.1	9383.7	9846.3	10345.3	10875.5
67.5°	6740.0	7277.8	7814.5	8316.7	8783.4	9227.4	9645.2	10192.2	10736.8	11315.0	11955.8
69°	6507.2	7041.8	7615.6	8164.2	8679.8	9150.6	9602.9	10161.5	10727.6	11318.2	11964.5
70°	6193.5	6718.6	7297.8	7871.2	8364.3	8854.9	9323.6	9877.8	10451.3	11043.4	11720.0
72.5°	4860.7	5315.9	5880.8	6437.2	6932.0	7424.3	7879.5	8446.6	9024.0	9646.0	10286.6
75°	3239.6	3579.4	4000.2	4516.3	4970.1	5405.2	5846.3	6326.0	6889.3	7401.9	7988.0
77.5°	1834.8	2031.9	2276.4	2612.1	2937.6	3198.1	3512.7	3738.4	4065.3	4347.6	4645.8
80°	944.4	997.6	1070.5	1151.0	1196.9	1189.7	1236.4	1190.2	1200.5	1162.7	1122.3
82.5°	694.3	712.8	745.8	761.9	760.3	707.2	650.8	572.4	503.4	431.0	364.5
85°	471.8	483.6	491.9	504.4	500.8	477.9	427.0	359.0	292.7	234.8	187.9
87.5°	81.7	84.0	83.4	90.4	90.7	84.2	69.2	59.1	49.8	37.1	26.2
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1	2964.1
2.5°	2970.8	2970.9	2972.6	2970.8	2970.8	2970.8	2970.0	2971.6	2970.8	2968.4	2965.8
5°	3009.7	3007.2	3006.3	3008.0	3009.6	3006.3	3008.8	3011.4	3007.1	3008.0	3006.3
7.5°	3074.7	3073.9	3073.0	3074.6	3074.6	3073.9	3074.6	3072.1	3070.4	3073.0	3075.5
10°	3161.6	3160.7	3162.4	3162.4	3165.9	3164.1	3163.3	3165.8	3164.1	3162.4	3163.3
12.5°	3263.7	3261.1	3265.4	3265.4	3267.9	3268.0	3267.1	3268.0	3267.1	3264.6	3262.9
15°	3354.8	3351.4	3352.4	3359.1	3358.2	3359.9	3359.9	3358.2	3357.4	3356.6	3357.4
17.5°	3409.8	3408.0	3408.0	3411.4	3414.0	3413.1	3413.1	3413.1	3412.2	3413.1	3414.8
20°	3419.8	3419.8	3420.7	3424.0	3428.3	3425.8	3425.8	3427.4	3425.8	3427.4	3428.3
22.5°	3400.4	3402.1	3403.8	3408.0	3408.9	3408.9	3408.9	3409.7	3411.4	3411.4	3413.1
25°	3373.4	3375.1	3377.6	3381.0	3384.4	3384.4	3384.4	3386.0	3386.1	3386.9	3387.8
27.5°	3353.2	3354.8	3357.4	3360.8	3365.0	3365.0	3365.0	3366.6	3366.7	3367.5	3369.2
30°	3355.7	3352.3	3354.9	3356.6	3359.1	3359.0	3358.2	3359.1	3360.0	3360.0	3360.8
32.5°	3392.0	3384.4	3381.9	3381.0	3381.9	3379.4	3378.5	3376.8	3375.1	3375.1	3374.3
35°	3488.2	3476.4	3475.6	3468.8	3462.1	3455.3	3456.2	3451.1	3452.8	3448.6	3445.2
37.5°	3685.7	3672.2	3680.6	3666.3	3657.0	3650.2	3642.7	3632.5	3626.6	3634.2	3634.2
40°	4039.4	4030.1	4027.5	4030.0	4021.6	4025.8	4007.2	4002.2	3991.2	3998.8	4009.0
42.5°	4528.0	4522.1	4554.2	4560.0	4563.4	4568.5	4571.9	4544.0	4543.2	4537.3	4520.4
45°	5131.5	5166.9	5165.2	5204.0	5205.7	5193.9	5199.0	5186.4	5181.2	5162.7	5185.5
47.5°	5751.8	5819.3	5844.7	5853.0	5885.2	5892.8	5862.4	5852.2	5870.0	5839.6	5843.8
50°	6417.7	6490.3	6549.4	6589.0	6611.8	6613.5	6590.8	6585.6	6601.7	6544.3	6571.3
52.5°	7072.6	7182.4	7293.8	7352.8	7395.0	7398.4	7416.2	7395.0	7403.5	7390.0	7417.0
55°	7718.3	7908.2	8039.0	8154.6	8228.1	8291.4	8297.3	8320.1	8321.8	8349.6	8321.8
57.5°	8349.6	8556.4	8784.2	8989.4	9103.2	9175.0	9242.5	9334.5	9354.8	9343.8	9361.5
60°	9094.8	9414.8	9724.4	9960.8	10157.4	10345.6	10446.9	10591.2	10614.0	10676.4	10622.5
62.5°	10036.7	10501.0	10921.2	11239.4	11538.2	11831.1	12052.2	12163.6	12231.1	12362.0	12318.9
65°	11481.7	12038.7	12594.9	13050.6	13469.2	13817.8	14153.8	14314.0	14491.3	14677.0	14710.8
67.5°	12671.6	13361.2	13988.3	14543.6	15050.9	15438.3	15787.7	16065.4	16281.4	16418.2	16429.1
69°	12725.6	13442.2	14123.4	14719.2	15248.4	15660.2	16028.2	16337.1	16547.2	16687.4	16724.5
70°	12467.4	13200.8	13926.7	14528.4	15070.3	15491.4	15881.4	16176.0	16410.6	16553.2	16603.0
72.5°	11015.0	11798.2	12573.8	13101.3	13654.9	14156.2	14468.6	14769.0	15099.8	15142.9	15279.6
75°	8683.0	9341.3	9943.0	10346.5	10809.0	11258.8	11565.2	11644.6	11817.6	12035.3	11957.7
77.5°	5031.8	5234.4	5622.6	5722.2	5637.8	5833.7	5898.7	5760.2	5753.5	5881.0	5627.7
80°	1114.9	1051.6	1130.9	1071.8	1073.6	1075.2	1057.5	1050.8	1063.4	1050.8	1033.0
82.5°	308.9	298.8	300.5	297.1	303.0	298.8	296.2	303.0	302.2	301.3	307.2
85°	148.6	146.8	144.3	143.4	140.2	135.9	129.2	129.1	132.5	127.4	130.0
87.5°	19.4	18.6	18.6	21.9	19.4	16.0	16.0	16.0	15.2	15.2	15.2
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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