

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: P148771

Luminaire Tested: **VXS-E06-LED-E1-RW-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148771
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: VXS-E06-LED-E1-RW-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19232.9 lumens
Efficiency: N/A
Efficacy: 127.8 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 (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

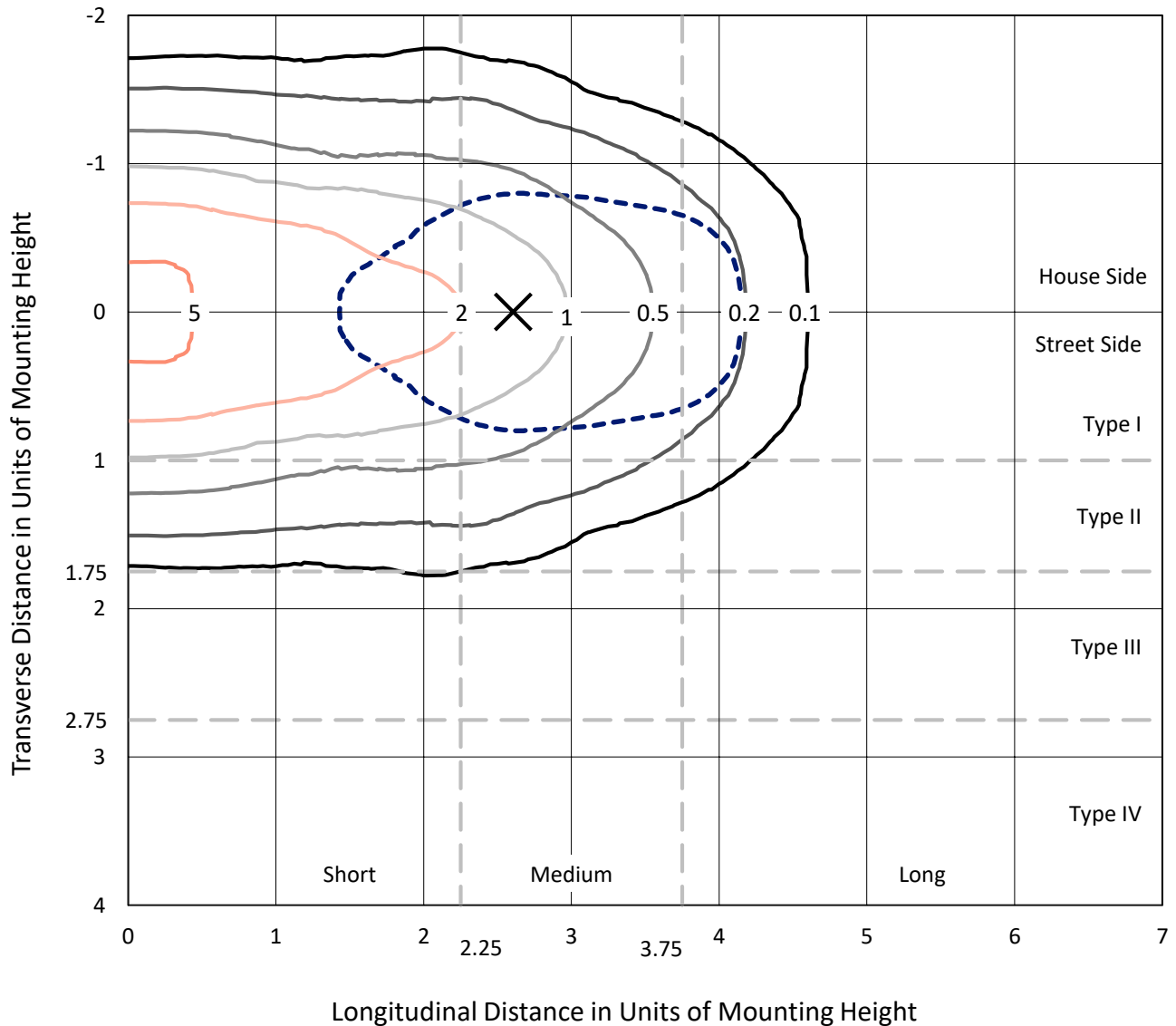


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

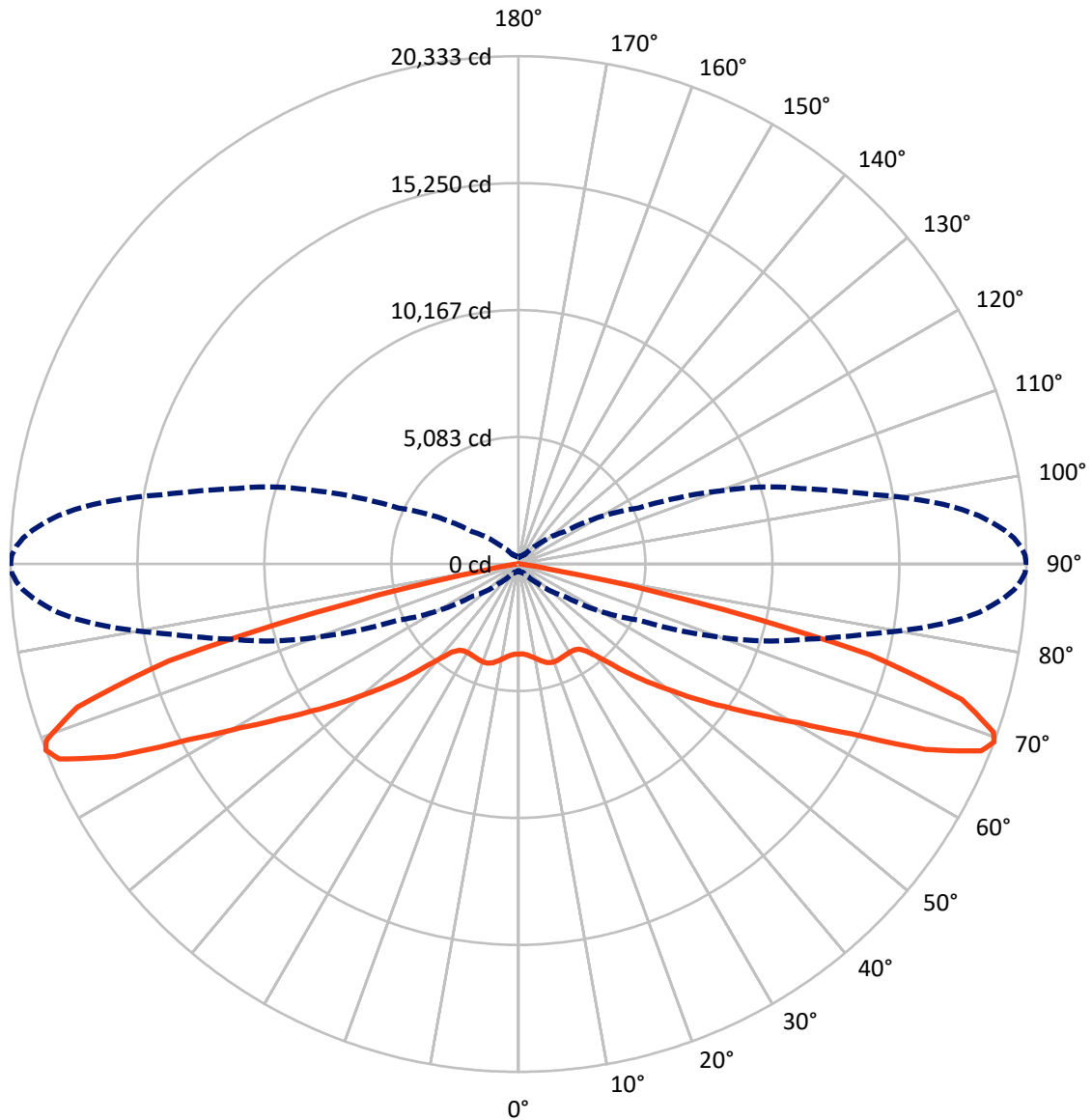


Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type I - Short - Full Cutoff

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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	9616.4	0.0	9616.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9616.4	0.0	9616.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	19232.9	0.0	19232.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	1.8
10°-20°	1115.1	5.8
20°-30°	1806.6	9.4
30°-40°	2251.4	11.7
40°-50°	2813.4	14.6
50°-60°	3474.0	18.1
60°-70°	4316.6	22.4
70°-80°	2865.7	14.9
80°-90°	236.6	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°	19232.9	100.0
0°-180°	19232.9	100.0



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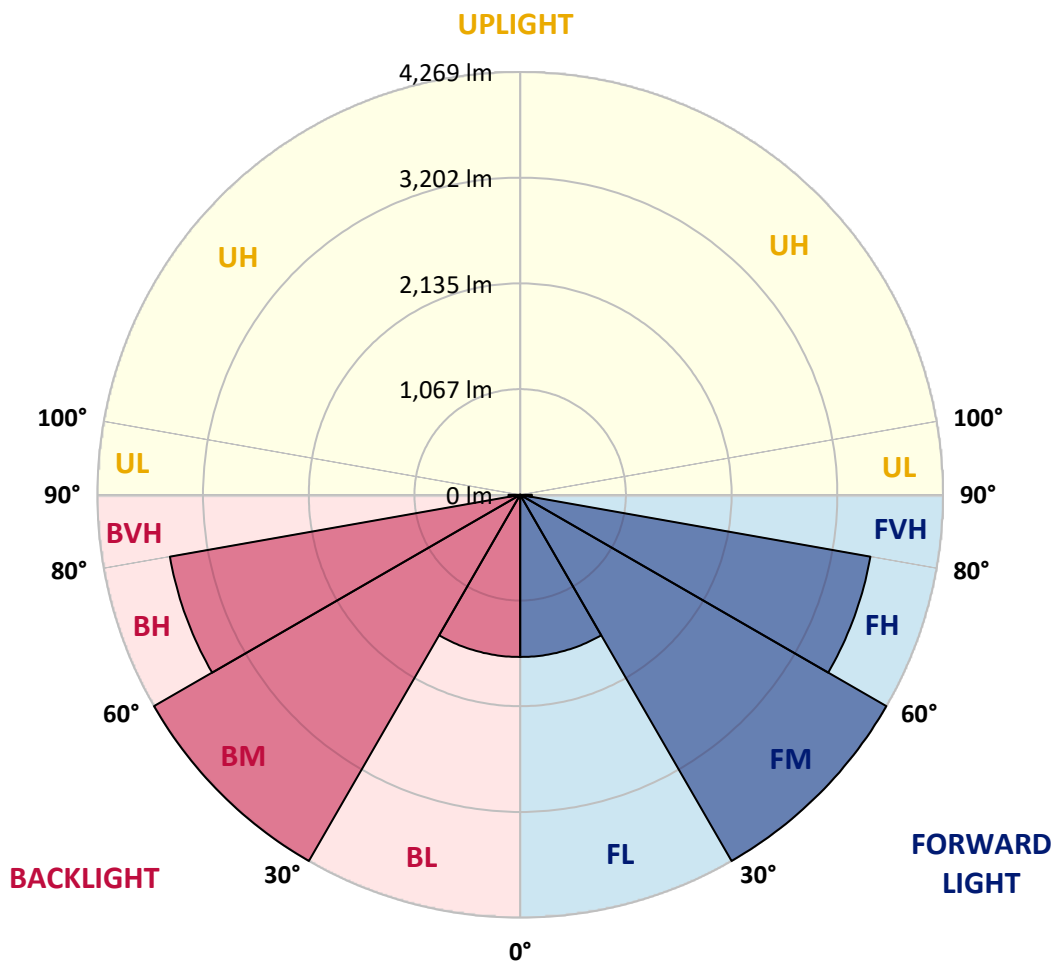
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1637.6	8.5			
FM (30°-60°)	4269.4	22.2			
FH (60°-80°)	3591.1	18.7			G2/5000
FVH (80°-90°)	118.3	0.6			G2/225
BL (0°-30°)	1637.6	8.5	B3/2500		
BM (30°-60°)	4269.4	22.2	B3/5000		
BH (60°-80°)	3591.1	18.7	B4/5000		G4/5000
BVH (80°-90°)	118.3	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°	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7
2.5°	3620.1	3623.2	3621.2	3625.2	3624.2	3624.2	3622.2	3618.1	3617.6	3617.0	3616.5
5°	3655.0	3650.9	3657.0	3663.2	3661.2	3662.2	3661.2	3661.2	3660.7	3660.3	3659.9
7.5°	3692.0	3690.9	3695.0	3711.4	3713.4	3719.6	3726.8	3731.9	3732.1	3732.3	3732.5
10°	3723.8	3724.8	3735.0	3758.6	3771.0	3790.4	3810.0	3825.3	3826.4	3827.6	3828.7
12.5°	3749.4	3750.4	3765.8	3802.8	3832.5	3869.5	3911.5	3935.2	3937.2	3939.2	3941.3
15°	3751.4	3754.5	3781.2	3841.8	3901.3	3961.8	4012.1	4043.8	4045.5	4047.2	4048.8
17.5°	3724.8	3726.8	3772.0	3861.2	3960.8	4055.2	4107.5	4121.9	4122.5	4123.1	4123.7
20°	3655.0	3660.1	3723.8	3856.1	4008.0	4131.0	4185.5	4166.0	4164.0	4162.1	4160.1
22.5°	3542.2	3541.0	3624.2	3802.8	4017.2	4190.6	4238.8	4187.5	4181.5	4175.4	4169.4
25°	3359.5	3371.8	3469.2	3682.7	3964.9	4204.0	4276.8	4198.8	4190.1	4181.4	4172.7
27.5°	3161.4	3168.6	3272.2	3501.1	3842.8	4157.8	4295.3	4221.4	4211.6	4201.9	4192.2
30°	2930.5	2939.8	3050.6	3289.6	3646.8	4038.8	4290.1	4272.7	4261.3	4249.9	4238.5
32.5°	2704.8	2715.0	2814.6	3076.2	3440.5	3875.6	4259.4	4345.5	4333.8	4322.1	4310.4
35°	2470.9	2486.2	2607.3	2872.1	3241.4	3694.0	4212.2	4438.9	4432.4	4426.0	4419.5
37.5°	2276.9	2280.0	2397.0	2675.0	3056.8	3520.6	4149.6	4556.9	4561.6	4566.4	4571.1
40°	2060.4	2079.9	2196.9	2490.4	2889.6	3373.8	4090.1	4717.0	4741.5	4766.0	4790.6
42.5°	1866.5	1868.6	1987.6	2290.2	2707.9	3255.8	4057.2	4910.0	4962.4	5014.8	5067.2
45°	1662.3	1670.4	1778.2	2070.6	2498.6	3116.4	4056.2	5132.6	5216.3	5300.0	5383.8
47.5°	1469.4	1472.4	1586.4	1858.2	2258.5	2921.4	4049.0	5371.6	5485.6	5599.6	5713.6
50°	1284.6	1281.6	1393.4	1655.0	2021.4	2665.8	3986.4	5642.6	5786.6	5930.5	6074.5
52.5°	1073.3	1087.6	1203.6	1454.0	1806.0	2406.2	3803.8	5939.1	6111.3	6283.5	6455.7
55°	866.0	872.2	996.4	1230.3	1587.4	2164.0	3485.6	6212.0	6415.0	6618.0	6821.0
57.5°	638.2	656.7	765.5	996.3	1365.8	1959.9	3081.4	6353.7	6600.6	6847.6	7094.6
60°	450.4	464.8	561.3	755.2	1122.6	1745.4	2733.6	6274.6	6595.6	6916.5	7237.5
62.5°	350.8	362.2	439.2	565.3	875.2	1530.9	2484.2	6019.1	6455.8	6892.5	7329.2
65°	307.9	318.1	387.8	452.4	653.6	1312.4	2347.7	5749.2	6326.5	6903.8	7481.1
67.5°	278.1	290.4	350.9	396.0	532.6	1145.1	2311.8	5579.0	6232.8	6886.6	7540.5
69°	264.7	277.0	331.4	369.4	494.6	1085.6	2250.3	5311.2	5961.2	6611.2	7261.3
70°	256.5	266.8	317.0	356.0	482.2	1044.6	2147.6	4976.6	5615.0	6253.3	6891.6
72.5°	238.1	243.2	287.3	325.3	447.4	844.5	1652.0	3696.0	4249.4	4802.8	5356.2
75°	210.3	216.6	257.5	294.5	348.8	524.3	1045.6	2286.2	2699.3	3112.4	3525.5
77.5°	181.6	186.8	222.7	281.1	270.8	327.4	624.9	1272.4	1512.0	1751.6	1991.2
80°	145.7	151.9	183.6	279.1	223.6	254.5	449.4	889.6	954.3	1018.9	1083.6
82.5°	106.7	111.8	143.6	225.7	171.4	191.8	342.7	754.2	776.7	799.2	821.6
85°	54.4	55.4	91.3	137.4	108.8	99.5	192.9	516.1	530.5	544.8	559.2
87.5°	9.2	9.2	20.5	23.6	26.6	16.5	24.6	88.2	91.0	93.8	96.6
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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CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7
2.5°	3616.0	3615.5	3613.7	3614.0	3615.4	3614.6	3616.0	3616.2	3617.4	3613.5	3612.7
5°	3659.5	3659.1	3658.9	3658.6	3659.5	3659.3	3660.1	3661.7	3661.3	3658.9	3658.4
7.5°	3732.8	3733.0	3734.0	3732.9	3735.0	3734.0	3731.9	3735.2	3737.5	3737.7	3739.9
10°	3829.8	3831.0	3834.6	3834.1	3837.7	3837.2	3837.6	3841.1	3843.6	3844.0	3846.5
12.5°	3943.3	3945.4	3947.2	3949.1	3953.0	3950.7	3955.6	3957.6	3960.8	3966.9	3963.8
15°	4050.5	4052.1	4057.6	4058.1	4061.6	4063.0	4067.5	4069.3	4070.2	4075.1	4075.9
17.5°	4124.3	4125.0	4127.0	4126.0	4129.0	4128.0	4131.1	4132.7	4135.4	4138.1	4142.8
20°	4158.2	4156.2	4155.1	4154.0	4151.8	4148.6	4149.6	4151.0	4151.5	4153.9	4157.4
22.5°	4163.3	4157.3	4151.0	4146.8	4140.6	4135.3	4130.1	4130.5	4130.9	4130.3	4132.7
25°	4164.0	4155.3	4145.5	4133.6	4125.0	4113.2	4103.4	4102.6	4099.7	4099.9	4101.1
27.5°	4182.4	4172.6	4159.0	4145.4	4126.6	4110.9	4095.2	4089.6	4084.1	4080.6	4079.2
30°	4227.2	4215.8	4199.4	4182.1	4161.7	4137.2	4114.7	4107.7	4099.7	4092.8	4086.8
32.5°	4298.8	4287.1	4269.0	4251.0	4223.6	4199.4	4177.2	4166.0	4154.7	4142.4	4131.1
35°	4413.0	4406.5	4390.7	4374.8	4354.8	4335.8	4315.8	4303.0	4284.2	4274.5	4260.8
37.5°	4575.8	4580.6	4580.6	4582.6	4576.4	4567.2	4552.8	4539.5	4533.4	4507.7	4491.2
40°	4815.1	4839.6	4862.1	4879.4	4894.7	4910.0	4923.2	4915.5	4917.9	4911.1	4901.3
42.5°	5119.6	5172.1	5220.0	5267.9	5302.5	5356.6	5394.2	5406.2	5436.5	5448.4	5470.6
45°	5467.5	5551.2	5631.7	5706.0	5775.1	5852.5	5927.8	5983.8	6045.0	6114.4	6183.7
47.5°	5827.6	5941.6	6060.2	6157.1	6257.2	6371.6	6471.6	6556.0	6666.0	6767.8	6879.8
50°	6218.4	6362.4	6497.3	6616.9	6745.6	6877.4	7014.4	7138.4	7287.0	7450.0	7626.2
52.5°	6627.8	6800.0	6956.2	7106.2	7257.3	7408.3	7554.2	7729.2	7912.5	8127.6	8347.8
55°	7023.9	7226.9	7404.0	7570.8	7743.8	7912.7	8063.2	8297.3	8522.2	8778.9	9066.5
57.5°	7341.6	7588.6	7792.9	7991.0	8186.1	8365.8	8550.6	8814.7	9101.4	9401.4	9766.1
60°	7558.5	7879.4	8140.3	8378.5	8617.8	8843.8	9056.3	9401.5	9742.6	10115.5	10569.5
62.5°	7766.0	8202.7	8543.0	8867.9	9190.7	9480.7	9745.0	10179.2	10624.7	11085.7	11625.6
65°	8058.4	8635.7	9136.9	9589.8	10036.6	10462.8	10858.2	11408.4	11970.9	12577.6	13222.2
67.5°	8194.3	8848.1	9500.7	10111.3	10678.7	11218.4	11726.4	12391.4	13053.5	13756.6	14535.6
69°	7911.3	8561.3	9259.0	9925.8	10552.7	11125.1	11675.1	12354.1	13042.5	13760.5	14546.3
70°	7530.0	8168.3	8872.5	9569.5	10169.1	10765.6	11335.4	12009.1	12706.5	13426.4	14248.9
72.5°	5909.5	6462.9	7149.7	7826.2	8427.8	9026.3	9579.8	10269.3	10971.1	11727.4	12506.2
75°	3938.6	4351.7	4863.4	5490.9	6042.5	6571.6	7107.8	7691.1	8375.9	8999.1	9711.7
77.5°	2230.8	2470.4	2767.6	3175.7	3571.4	3888.2	4270.6	4545.0	4942.6	5285.7	5648.3
80°	1148.2	1212.8	1301.5	1399.4	1455.2	1446.4	1503.2	1447.0	1459.5	1413.6	1364.4
82.5°	844.1	866.6	906.6	926.3	924.3	859.8	791.1	695.9	612.0	523.9	443.1
85°	573.6	588.0	598.0	613.2	608.9	581.0	519.2	436.5	355.9	285.5	228.4
87.5°	99.3	102.1	101.4	109.9	110.2	102.3	84.2	71.8	60.5	45.1	31.8
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°	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7	3603.7
2.5°	3611.9	3612.0	3614.0	3611.9	3611.9	3611.8	3610.9	3613.0	3611.9	3608.8	3605.7
5°	3659.0	3656.0	3655.0	3657.0	3659.0	3655.0	3658.1	3661.2	3656.0	3657.0	3655.0
7.5°	3738.0	3737.0	3736.0	3738.2	3738.1	3737.1	3738.1	3735.0	3733.0	3736.1	3739.2
10°	3843.8	3842.8	3844.8	3844.8	3848.9	3846.8	3845.8	3848.9	3846.8	3844.8	3845.8
12.5°	3967.9	3964.9	3970.0	3970.0	3973.2	3973.0	3972.0	3973.0	3972.0	3969.0	3966.9
15°	4078.8	4074.7	4075.6	4083.9	4082.9	4085.0	4084.9	4082.8	4081.9	4080.8	4081.9
17.5°	4145.5	4143.4	4143.5	4147.5	4150.6	4149.6	4149.6	4149.6	4148.6	4149.6	4151.6
20°	4157.8	4157.8	4158.8	4162.9	4168.0	4165.0	4165.0	4167.0	4165.0	4167.0	4168.1
22.5°	4134.2	4136.2	4138.2	4143.4	4144.4	4144.4	4144.5	4145.4	4147.6	4147.5	4149.5
25°	4101.3	4103.4	4106.4	4110.6	4114.8	4114.7	4114.6	4116.8	4116.7	4117.8	4118.8
27.5°	4076.8	4078.8	4081.8	4086.0	4091.1	4091.1	4091.0	4093.1	4093.2	4094.2	4096.2
30°	4079.8	4075.7	4078.8	4080.8	4083.8	4083.9	4082.8	4083.9	4084.9	4084.9	4085.9
32.5°	4123.9	4114.7	4111.6	4110.6	4111.5	4108.5	4107.5	4105.4	4103.4	4103.4	4102.4
35°	4240.9	4226.5	4225.6	4217.3	4209.1	4200.8	4201.9	4195.8	4197.8	4192.7	4188.6
37.5°	4481.0	4464.6	4474.8	4457.4	4446.1	4437.9	4428.6	4416.4	4409.2	4418.4	4418.4
40°	4911.0	4899.6	4896.6	4899.6	4889.4	4894.6	4872.0	4865.8	4852.5	4861.7	4874.0
42.5°	5505.0	5497.8	5536.8	5544.0	5548.2	5554.3	5558.4	5524.5	5523.5	5516.4	5495.9
45°	6238.7	6281.8	6279.8	6327.0	6329.0	6314.7	6320.8	6305.4	6299.3	6276.6	6304.4
47.5°	6992.9	7075.0	7105.8	7116.0	7155.0	7164.2	7127.4	7115.0	7136.6	7099.6	7104.8
50°	7802.6	7890.8	7962.6	8010.8	8038.5	8040.6	8012.8	8006.7	8026.2	7956.4	7989.2
52.5°	8598.8	8732.2	8867.6	8939.4	8990.8	8994.8	9016.4	8990.8	9001.0	8984.6	9017.4
55°	9383.8	9614.6	9773.6	9914.2	10003.5	10080.5	10087.7	10115.4	10117.4	10151.2	10117.4
57.5°	10151.3	10402.7	10679.7	10929.1	11067.6	11154.8	11236.8	11348.8	11373.3	11360.0	11381.6
60°	11057.3	11446.2	11822.8	12110.1	12349.2	12578.0	12701.1	12876.6	12904.3	12980.2	12914.6
62.5°	12202.4	12766.8	13277.8	13664.6	14027.9	14384.0	14652.8	14788.2	14870.3	15029.4	14977.0
65°	13959.1	14636.3	15312.6	15866.7	16375.6	16799.4	17207.8	17402.8	17618.2	17843.9	17885.0
67.5°	15406.0	16244.3	17006.6	17681.8	18298.6	18769.6	19194.4	19531.9	19794.6	19960.8	19974.2
69°	15471.6	16342.8	17170.8	17895.3	18538.6	19039.4	19486.8	19862.4	20117.8	20288.2	20333.3
70°	15157.6	16049.3	16931.8	17663.4	18322.2	18834.2	19308.2	19666.4	19951.6	20124.9	20185.6
72.5°	13391.8	14344.0	15287.0	15928.2	16601.4	17210.8	17590.5	17955.8	18358.0	18410.4	18576.6
75°	10556.6	11357.0	12088.6	12579.0	13141.3	13688.3	14060.8	14157.2	14367.6	14632.3	14537.8
77.5°	6117.6	6363.9	6836.0	6957.0	6854.4	7092.4	7171.4	7003.2	6995.0	7149.9	6842.1
80°	1355.5	1278.5	1375.0	1303.2	1305.2	1307.2	1285.7	1277.5	1292.8	1277.6	1256.0
82.5°	375.6	363.2	365.3	361.2	368.4	363.2	360.2	368.4	367.3	366.4	373.5
85°	180.6	178.6	175.5	174.4	170.4	165.2	157.0	157.0	161.1	154.9	158.0
87.5°	23.5	22.5	22.6	26.6	23.6	19.4	19.4	19.4	18.4	18.4	18.4
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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