

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: STREETWORKS

Report Number: P158021

Luminaire Tested: **VST-E06-LED-E-U-RW-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158021  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VST-E06-LED-E-U-RW-7050  
Description: VENTUS LED SITE/ROADWAY 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: 19180.5 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Medium - Full Cutoff  
BUG Rating: B4 - U0 - G4

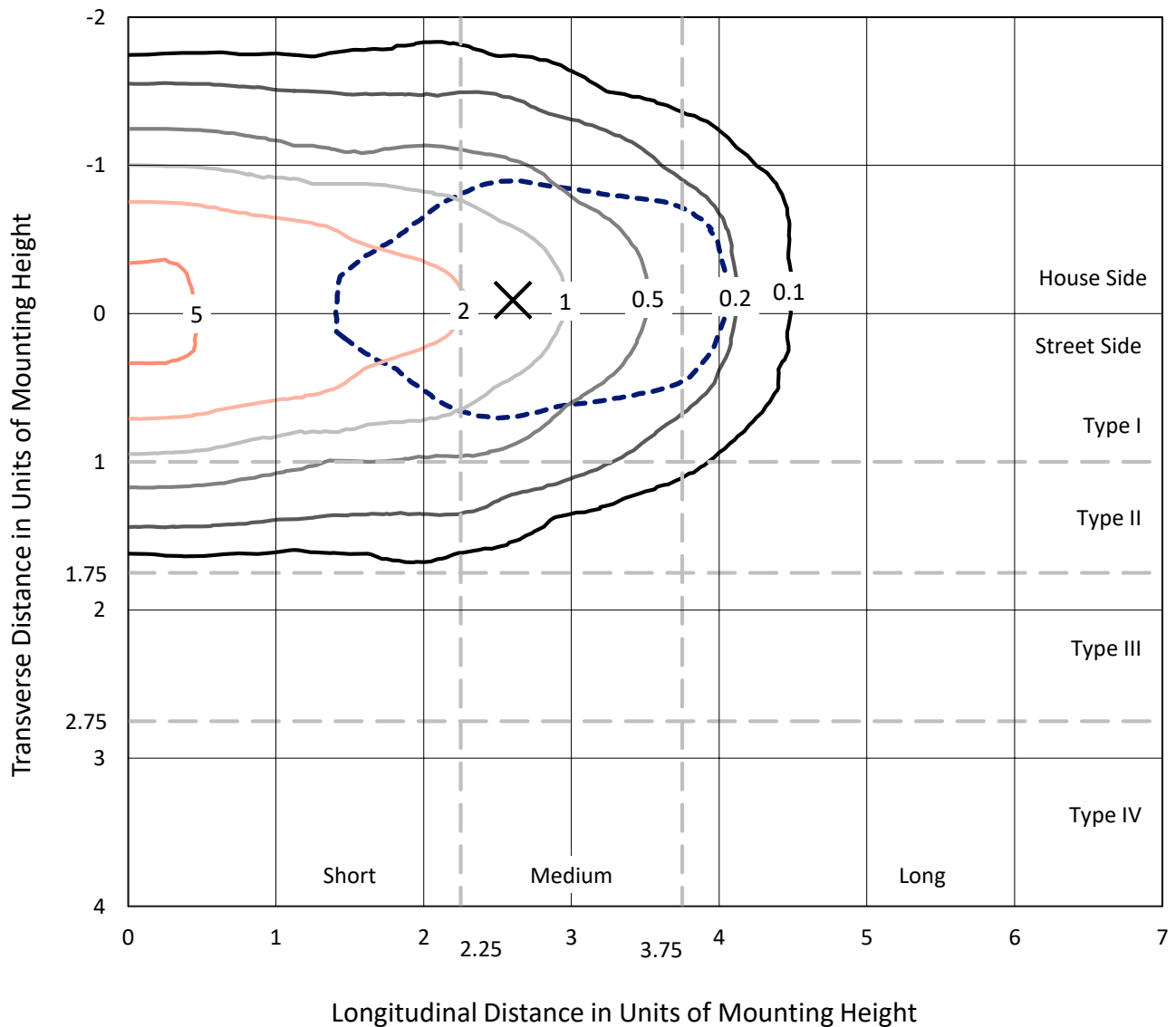
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

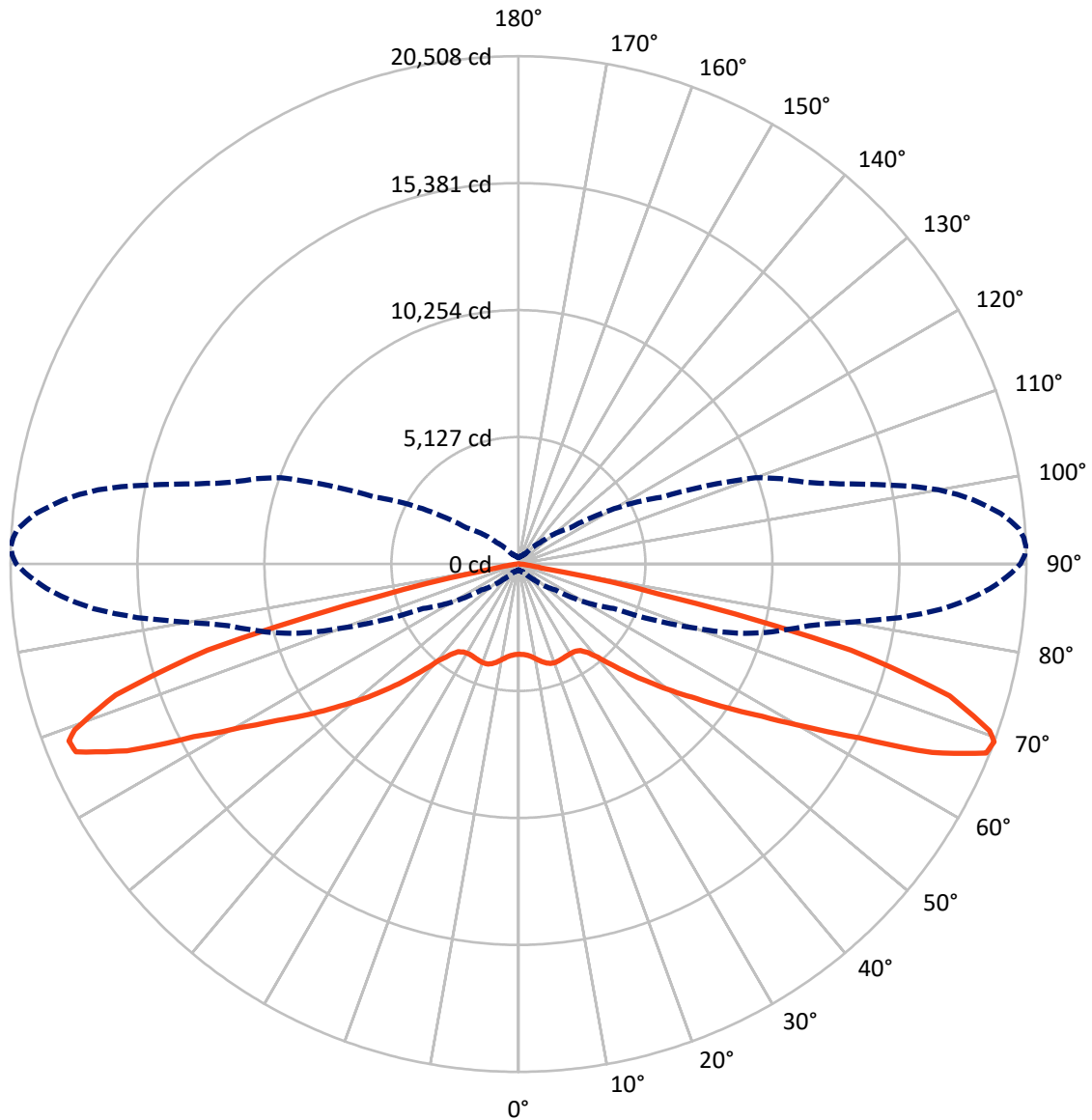
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type I - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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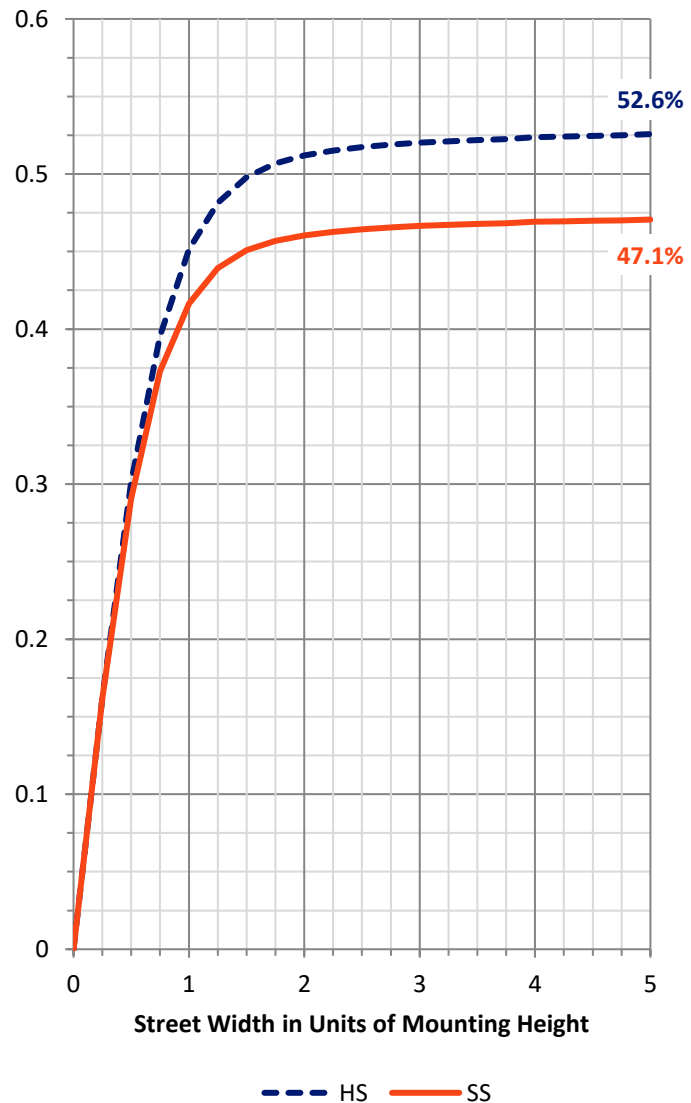
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10172.4	0.0	10172.4
	% Fixture	53.0	0.0	53.0
<b>Street Side</b>	Lumens	9008.1	0.0	9008.1
	% Fixture	47.0	0.0	47.0
<b>Total</b>	Lumens	19180.5	0.0	19180.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.5	1.9
10°-20°	1126.2	5.9
20°-30°	1827.2	9.5
30°-40°	2277.2	11.9
40°-50°	2835.4	14.8
50°-60°	3496.7	18.2
60°-70°	4342.7	22.6
70°-80°	2668.4	13.9
80°-90°	250.1	1.3
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°	19180.5	100.0
0°-180°	19180.5	100.0



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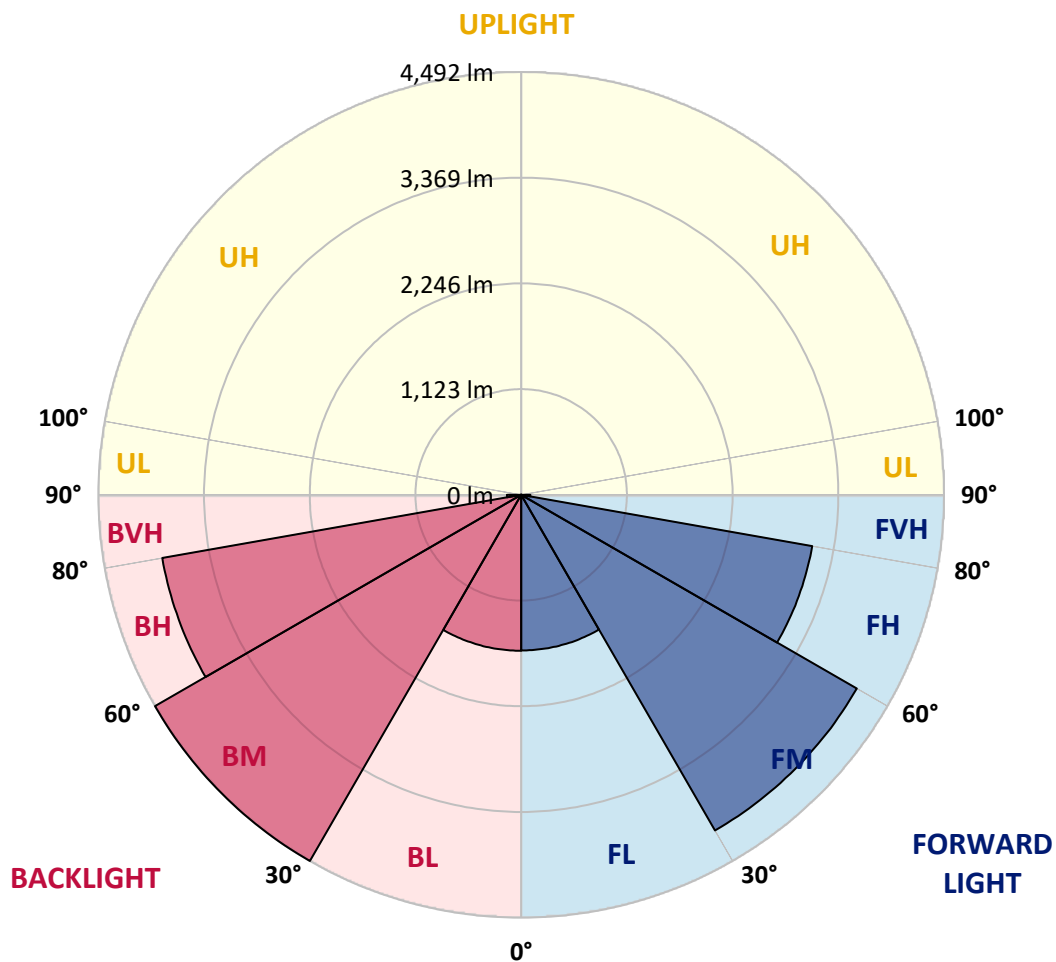
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1653.2	8.6			
FM (30°-60°)	4117.3	21.5			
FH (60°-80°)	3139.6	16.4			G2/5000
FVH (80°-90°)	97.9	0.5			G1/100
BL (0°-30°)	1656.7	8.6	B3/2500		
BM (30°-60°)	4492.0	23.4	B3/5000		
BH (60°-80°)	3871.5	20.2	B4/5000		G4/5000
BVH (80°-90°)	152.2	0.8			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3701.4	3691.5	3700.1	3701.4	3700.1	3700.1	3689.1	3686.6	3671.8	3675.5	3674.3
5°	3751.9	3748.2	3754.3	3756.8	3759.2	3754.3	3745.7	3742.0	3732.2	3728.5	3727.2
7.5°	3798.6	3792.5	3802.3	3811.0	3817.1	3818.3	3819.6	3813.4	3813.4	3808.5	3808.5
10°	3838.0	3833.1	3849.1	3860.2	3879.9	3891.0	3903.3	3911.9	3916.8	3918.1	3916.8
12.5°	3855.3	3851.6	3877.4	3910.7	3947.6	3973.5	4004.3	4026.4	4032.6	4031.4	4037.5
15°	3825.7	3828.2	3867.6	3932.9	4011.7	4076.9	4120.0	4138.5	4143.4	4145.9	4147.1
17.5°	3745.7	3750.6	3807.3	3913.2	4051.1	4169.3	4233.3	4233.3	4223.4	4223.4	4222.2
20°	3617.6	3622.6	3696.4	3849.1	4052.3	4233.3	4324.4	4305.9	4269.0	4261.6	4254.2
22.5°	3440.3	3460.0	3541.3	3718.6	3999.3	4251.8	4381.1	4354.0	4296.1	4280.1	4269.0
25°	3239.6	3237.2	3334.4	3533.9	3871.3	4207.4	4397.1	4392.1	4330.6	4313.3	4293.6
27.5°	3010.6	3018.0	3107.9	3309.8	3675.5	4079.4	4370.0	4435.2	4384.8	4367.5	4349.0
30°	2775.4	2782.8	2867.8	3102.9	3452.6	3895.9	4314.6	4477.1	4457.4	4443.9	4431.5
32.5°	2539.0	2541.5	2642.4	2894.8	3264.2	3676.7	4230.8	4515.3	4542.4	4536.2	4531.3
35°	2317.4	2319.8	2429.4	2685.5	3078.3	3489.6	4129.9	4570.7	4658.1	4665.5	4670.4
37.5°	2101.9	2105.6	2217.6	2486.0	2894.8	3348.0	4017.8	4655.6	4820.6	4847.7	4852.7
40°	1887.6	1891.3	1998.4	2282.9	2708.9	3223.6	3931.6	4775.1	5039.8	5076.8	5114.9
42.5°	1683.2	1696.8	1787.9	2060.0	2502.1	3069.7	3894.7	4920.4	5299.6	5357.5	5400.6
45°	1492.4	1493.6	1597.0	1851.9	2257.0	2861.6	3870.1	5085.4	5590.2	5677.6	5736.8
47.5°	1288.0	1302.7	1411.1	1658.6	2028.0	2604.3	3791.3	5278.7	5906.7	6008.9	6128.3
50°	1089.7	1110.7	1215.3	1460.4	1818.7	2338.3	3579.5	5505.3	6262.5	6395.5	6533.4
52.5°	898.9	897.6	1008.5	1263.3	1608.1	2113.0	3235.9	5742.9	6673.8	6816.6	6965.6
55°	679.7	679.7	789.3	1022.0	1380.3	1912.3	2867.8	5890.7	7055.5	7227.9	7390.4
57.5°	466.7	479.0	582.4	783.1	1142.7	1728.8	2585.8	5805.7	7347.3	7561.6	7754.9
60°	346.0	358.3	434.7	562.7	893.9	1512.1	2374.0	5405.5	7523.4	7807.8	8059.0
62.5°	299.2	307.8	380.5	450.7	644.0	1281.8	2186.8	4897.0	7777.1	8166.2	8515.9
65°	267.2	275.8	348.5	389.1	503.6	1030.6	2082.2	4606.4	8080.0	8674.7	9182.0
67.5°	247.5	257.3	318.9	348.5	439.6	932.1	2000.9	4538.7	8077.5	8799.1	9446.7
69°	237.6	245.0	295.5	327.5	424.8	902.6	1824.8	4244.4	7544.3	8318.8	8969.0
70°	231.5	238.9	282.0	314.0	419.9	849.6	1662.3	3855.3	6937.3	7716.7	8376.7
72.5°	211.8	219.2	251.2	280.7	349.7	567.6	1158.7	2467.6	4957.3	5513.9	6268.7
75°	187.2	195.8	220.4	245.0	264.7	328.8	668.6	1280.6	2834.5	3256.9	3929.2
77.5°	152.7	161.3	187.2	226.6	224.1	250.0	434.7	786.8	1327.4	1646.3	1895.0
80°	125.6	131.8	153.9	229.0	183.5	209.3	352.2	645.2	934.6	1033.1	1092.2
82.5°	83.7	92.3	119.4	179.8	140.4	149.0	263.5	603.4	790.5	866.9	938.3
85°	39.4	43.1	72.6	96.0	85.0	80.0	150.2	426.0	588.6	624.3	651.4
87.5°	0.0	0.0	3.7	7.4	11.1	11.1	27.1	89.9	165.0	199.5	197.0
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°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3669.4	3670.6	3669.4	3669.4	3668.1	3665.7	3665.7	3663.2	3664.4	3663.2	3665.7
5°	3726.0	3726.0	3722.3	3719.8	3723.5	3719.8	3721.1	3714.9	3714.9	3711.2	3706.3
7.5°	3807.3	3807.3	3808.5	3801.1	3806.0	3807.3	3803.6	3801.1	3798.6	3792.5	3793.7
10°	3915.6	3915.6	3919.3	3909.5	3914.4	3916.8	3918.1	3918.1	3915.6	3904.5	3905.8
12.5°	4036.3	4033.8	4035.1	4030.1	4035.1	4037.5	4040.0	4037.5	4037.5	4035.1	4033.8
15°	4145.9	4144.6	4147.1	4143.4	4144.6	4147.1	4154.5	4153.3	4152.0	4144.6	4144.6
17.5°	4221.0	4217.3	4214.8	4213.6	4213.6	4212.4	4213.6	4213.6	4209.9	4208.7	4208.7
20°	4249.3	4239.5	4233.3	4229.6	4224.7	4222.2	4219.8	4221.0	4218.5	4214.8	4216.1
22.5°	4254.2	4240.7	4228.4	4217.3	4207.4	4201.3	4195.1	4192.7	4186.5	4182.8	4182.8
25°	4277.6	4256.7	4237.0	4218.5	4203.7	4190.2	4176.7	4166.8	4159.4	4150.8	4148.3
27.5°	4329.3	4307.2	4283.8	4260.4	4240.7	4213.6	4195.1	4175.4	4158.2	4144.6	4134.8
30°	4409.4	4387.2	4363.8	4336.7	4310.9	4282.6	4251.8	4228.4	4203.7	4176.7	4161.9
32.5°	4515.3	4500.5	4477.1	4451.2	4427.9	4398.3	4361.4	4325.7	4302.3	4270.2	4246.8
35°	4666.7	4649.5	4642.1	4631.0	4607.6	4589.2	4548.5	4515.3	4493.1	4448.8	4431.5
37.5°	4873.6	4872.4	4878.5	4874.8	4878.5	4855.1	4836.7	4835.4	4803.4	4760.3	4718.4
40°	5155.6	5170.3	5203.6	5227.0	5249.1	5251.6	5277.5	5250.4	5254.1	5247.9	5204.8
42.5°	5476.9	5527.4	5566.8	5635.8	5688.7	5738.0	5771.2	5816.8	5851.3	5882.0	5889.4
45°	5835.3	5910.4	6001.5	6063.1	6166.5	6249.0	6362.3	6449.7	6540.8	6630.7	6662.7
47.5°	6224.4	6317.9	6418.9	6533.4	6663.9	6793.2	6968.1	7102.3	7248.8	7370.7	7479.1
50°	6654.1	6751.4	6886.8	7018.6	7198.3	7347.3	7576.4	7752.4	7988.8	8151.4	8291.8
52.5°	7102.3	7224.2	7375.6	7520.9	7704.4	7895.3	8150.2	8410.0	8694.4	8940.7	9145.1
55°	7540.6	7690.9	7836.2	8006.1	8209.3	8430.9	8719.0	9061.3	9416.0	9697.9	9968.8
57.5°	7931.0	8104.6	8275.7	8448.1	8656.2	8913.6	9237.4	9606.8	10013.1	10388.7	10760.6
60°	8293.0	8501.1	8710.4	8925.9	9164.8	9482.4	9871.5	10325.9	10851.7	11365.1	11851.5
62.5°	8865.6	9138.9	9398.7	9677.0	9965.1	10338.2	10797.5	11393.5	11996.8	12638.3	13137.0
65°	9641.3	10025.5	10365.3	10726.1	11099.2	11597.9	12147.0	12860.0	13724.4	14381.9	15182.3
67.5°	10026.7	10532.8	10969.9	11371.3	11833.0	12336.7	12989.3	13832.7	14755.0	15708.0	16600.7
69°	9573.6	10095.6	10579.6	11029.0	11495.7	11984.5	12666.7	13532.3	14507.5	15538.1	16409.9
70°	8986.2	9508.3	10024.2	10536.5	10962.5	11439.0	12123.6	13016.4	13990.3	15061.6	15926.0
72.5°	6884.3	7512.3	7979.0	8459.2	8953.0	9356.9	10147.4	10899.7	11914.3	13001.6	13953.4
75°	4404.5	4981.9	5491.7	5900.5	6383.2	6867.1	7450.8	8286.8	8922.2	9814.9	10586.9
77.5°	2263.2	2434.3	2925.6	3072.2	3407.1	3670.6	3992.0	4201.3	4718.4	4828.0	5283.6
80°	1072.5	966.6	910.0	858.2	873.0	866.9	841.0	806.5	849.6	831.1	823.8
82.5°	934.6	833.6	664.9	565.2	488.8	415.0	357.1	327.5	331.2	341.1	344.8
85°	655.1	615.7	480.2	364.5	284.4	220.4	177.3	169.9	174.8	188.4	183.5
87.5°	189.6	198.2	174.8	121.9	85.0	61.6	48.0	54.2	51.7	50.5	52.9
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):**

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3665.7	3664.4	3660.7	3657.0	3657.0	3654.6	3657.0	3658.3	3657.0	3657.0	3654.6
5°	3707.5	3708.8	3712.4	3705.1	3703.8	3705.1	3700.1	3698.9	3695.2	3698.9	3694.0
7.5°	3787.6	3791.3	3791.3	3786.3	3785.1	3788.8	3781.4	3778.9	3775.2	3774.0	3772.8
10°	3907.0	3910.7	3904.5	3900.8	3897.1	3902.1	3895.9	3895.9	3892.2	3888.5	3887.3
12.5°	4040.0	4037.5	4035.1	4037.5	4033.8	4033.8	4030.1	4027.7	4026.4	4025.2	4022.7
15°	4143.4	4152.0	4152.0	4154.5	4152.0	4152.0	4147.1	4148.3	4145.9	4144.6	4145.9
17.5°	4209.9	4212.4	4218.5	4222.2	4222.2	4223.4	4221.0	4223.4	4221.0	4221.0	4225.9
20°	4218.5	4221.0	4227.1	4233.3	4237.0	4239.5	4239.5	4243.2	4245.6	4248.1	4254.2
22.5°	4184.0	4187.7	4195.1	4206.2	4212.4	4214.8	4219.8	4225.9	4232.1	4237.0	4245.6
25°	4148.3	4149.6	4157.0	4168.0	4175.4	4181.6	4190.2	4197.6	4206.2	4216.1	4225.9
27.5°	4128.6	4127.4	4133.6	4144.6	4150.8	4159.4	4166.8	4177.9	4187.7	4200.1	4208.7
30°	4145.9	4136.0	4137.3	4142.2	4147.1	4153.3	4161.9	4171.7	4182.8	4193.9	4203.7
32.5°	4222.2	4200.1	4185.3	4181.6	4182.8	4184.0	4189.0	4195.1	4203.7	4212.4	4216.1
35°	4387.2	4349.0	4329.3	4313.3	4299.8	4288.7	4291.2	4289.9	4289.9	4297.3	4288.7
37.5°	4701.2	4653.2	4632.3	4603.9	4587.9	4547.3	4536.2	4533.7	4517.7	4517.7	4499.3
40°	5193.7	5165.4	5149.4	5123.5	5046.0	5055.8	5000.4	5001.6	4956.1	4961.0	4929.0
42.5°	5894.4	5898.1	5878.4	5861.1	5800.8	5773.7	5722.0	5648.1	5590.2	5589.0	5525.0
45°	6704.6	6748.9	6686.1	6708.3	6655.3	6582.7	6522.3	6427.5	6337.6	6309.3	6244.1
47.5°	7551.7	7624.4	7576.4	7585.0	7559.1	7455.7	7374.4	7257.4	7140.5	7061.7	7022.3
50°	8456.8	8504.8	8503.5	8480.1	8467.8	8366.9	8236.3	8147.7	8061.5	7955.6	7921.1
52.5°	9276.8	9388.9	9464.0	9446.7	9411.0	9350.7	9234.9	9158.6	9031.8	9017.0	9031.8
55°	10154.7	10300.0	10376.4	10468.7	10470.0	10458.9	10410.9	10382.5	10264.3	10277.9	10260.6
57.5°	10985.9	11198.9	11315.9	11512.9	11580.6	11670.5	11637.3	11674.2	11602.8	11649.6	11636.0
60°	12112.6	12408.1	12602.6	12872.3	12997.9	13223.2	13267.5	13294.6	13334.0	13430.1	13375.9
62.5°	13529.8	13963.2	14367.1	14734.1	14854.7	15193.3	15248.7	15460.5	15471.6	15536.9	15417.4
65°	15849.6	16377.9	16822.4	17262.0	17515.6	17912.1	18072.2	18483.4	18357.8	18410.8	18155.9
67.5°	17369.1	17983.5	18579.5	18995.7	19416.8	19821.9	20113.7	20379.7	20377.2	20325.5	20098.9
69°	17234.9	17919.5	18506.8	19064.6	19507.9	19924.1	20275.0	20447.4	20507.7	20432.6	20271.3
70°	16770.7	17473.8	18192.8	18652.1	19134.8	19591.6	19953.6	20142.0	20183.9	20131.0	19991.8
72.5°	14625.7	15300.5	16093.4	16510.9	17094.5	17424.5	17923.2	18167.0	18210.1	18142.4	18051.2
75°	11414.4	11536.3	12344.0	12610.0	13033.6	13414.1	13724.4	13645.6	13866.0	13822.9	13788.4
77.5°	5377.2	5052.1	5575.4	5819.2	5691.2	5350.1	5846.3	5488.0	5725.7	6034.7	5955.9
80°	886.6	884.1	907.5	959.2	897.6	953.0	951.8	924.7	927.2	993.7	959.2
82.5°	341.1	348.5	352.2	362.0	362.0	363.2	369.4	376.8	370.6	382.9	380.5
85°	184.7	197.0	185.9	177.3	183.5	187.2	192.1	198.2	192.1	210.6	200.7
87.5°	48.0	50.5	44.3	44.3	43.1	39.4	39.4	41.9	45.6	54.2	59.1
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):**

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3649.7	3650.9	3652.1	3648.4	3646.0	3646.0	3644.7	3642.3	3641.0	3641.0	3641.0
5°	3691.5	3694.0	3687.8	3686.6	3684.1	3681.7	3681.7	3679.2	3680.4	3680.4	3674.3
7.5°	3775.2	3771.6	3764.2	3759.2	3764.2	3755.5	3751.9	3754.3	3751.9	3753.1	3750.6
10°	3887.3	3887.3	3878.7	3883.6	3877.4	3867.6	3871.3	3867.6	3865.1	3856.5	3861.4
12.5°	4026.4	4022.7	4017.8	4006.7	4003.0	4001.8	3990.7	3992.0	3988.3	3985.8	3982.1
15°	4148.3	4147.1	4136.0	4129.9	4128.6	4123.7	4118.8	4116.3	4110.2	4108.9	4106.5
17.5°	4229.6	4225.9	4221.0	4214.8	4214.8	4207.4	4205.0	4198.8	4197.6	4193.9	4190.2
20°	4256.7	4257.9	4253.0	4248.1	4245.6	4240.7	4237.0	4232.1	4229.6	4224.7	4221.0
22.5°	4250.5	4250.5	4245.6	4244.4	4239.5	4232.1	4227.1	4221.0	4214.8	4208.7	4201.3
25°	4230.8	4229.6	4225.9	4219.8	4213.6	4202.5	4192.7	4182.8	4174.2	4166.8	4155.7
27.5°	4213.6	4211.1	4203.7	4195.1	4182.8	4170.5	4152.0	4138.5	4127.4	4117.6	4105.2
30°	4207.4	4198.8	4187.7	4174.2	4159.4	4141.0	4121.2	4104.0	4091.7	4081.8	4076.9
32.5°	4214.8	4203.7	4186.5	4169.3	4150.8	4128.6	4108.9	4094.2	4083.1	4080.6	4080.6
35°	4282.6	4264.1	4240.7	4216.1	4192.7	4174.2	4160.7	4159.4	4152.0	4160.7	4174.2
37.5°	4480.8	4464.8	4429.1	4397.1	4381.1	4372.4	4360.1	4362.6	4345.4	4372.4	4394.6
40°	4901.9	4882.2	4840.3	4814.5	4782.5	4751.7	4776.3	4768.9	4781.2	4776.3	4799.7
42.5°	5516.3	5496.6	5430.2	5420.3	5406.8	5394.4	5394.4	5384.6	5379.7	5396.9	5377.2
45°	6263.8	6224.4	6199.7	6229.3	6188.6	6201.0	6244.1	6186.2	6199.7	6119.7	6045.8
47.5°	7039.5	7035.8	7029.6	7065.4	7071.5	7090.0	7113.4	7054.3	6947.1	6886.8	6736.6
50°	7932.2	7970.4	7985.2	8019.6	8034.4	8048.0	8011.0	7923.6	7742.6	7582.5	7405.2
52.5°	9017.0	8950.5	9041.6	9074.9	9060.1	9005.9	8872.9	8765.8	8515.9	8285.6	8011.0
55°	10280.3	10296.4	10232.3	10206.5	10156.0	10005.8	9822.3	9581.0	9264.5	8964.1	8616.8
57.5°	11567.1	11560.9	11461.2	11320.8	11149.7	10968.7	10695.3	10349.3	9979.9	9576.0	9156.1
60°	13132.1	13125.9	12924.0	12683.9	12440.1	12148.3	11719.8	11303.6	10808.6	10277.9	9778.0
62.5°	15188.4	14923.7	14725.4	14367.1	13990.3	13608.6	13028.7	12475.8	11814.6	11144.7	10561.1
65°	17823.5	17387.6	17162.2	16642.6	16059.0	15463.0	14873.2	14146.7	13256.5	12446.2	11733.3
67.5°	19772.6	19373.7	18961.2	18442.8	17802.5	17137.6	16329.9	15415.0	14404.1	13495.3	12718.4
69°	19943.8	19570.7	19075.7	18556.1	17950.3	17227.5	16345.9	15321.4	14296.9	13377.1	12612.5
70°	19684.0	19287.5	18766.6	18226.1	17548.9	16866.7	15943.2	14875.7	13850.0	12927.7	12181.5
72.5°	17745.9	17359.2	16805.1	16158.7	15464.2	14880.6	14003.9	12890.8	11775.2	10923.1	10341.9
75°	13494.1	13409.1	13016.4	12639.6	12092.9	11441.5	10639.9	9891.2	8976.4	8075.0	7533.3
77.5°	5757.7	5953.5	6157.9	6187.4	6207.1	6006.4	5882.0	5693.7	5081.7	4803.4	4516.5
80°	1063.9	950.6	1014.6	1022.0	1063.9	1086.0	1167.3	1384.0	1408.6	1461.6	1526.8
82.5°	378.0	384.2	394.0	397.7	401.4	416.2	471.6	565.2	650.1	761.0	908.7
85°	214.3	217.9	226.6	234.0	238.9	253.7	284.4	339.8	423.6	550.4	746.2
87.5°	65.3	73.9	78.8	88.7	92.3	94.8	108.4	145.3	187.2	277.0	403.9
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):**

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3641.0	3639.8	3637.3	3634.9	3636.1	3633.6	3626.3	3623.8	3615.2	3609.0	3604.1
5°	3674.3	3673.0	3668.1	3669.4	3668.1	3655.8	3647.2	3632.4	3623.8	3610.2	3605.3
7.5°	3743.2	3742.0	3733.4	3737.1	3734.6	3716.1	3701.4	3678.0	3665.7	3648.4	3634.9
10°	3846.7	3846.7	3836.8	3838.0	3838.0	3813.4	3787.6	3748.2	3719.8	3692.7	3669.4
12.5°	3972.3	3967.3	3966.1	3959.9	3955.0	3927.9	3888.5	3835.6	3782.6	3738.3	3706.3
15°	4099.1	4091.7	4088.0	4080.6	4074.5	4049.8	3996.9	3931.6	3860.2	3788.8	3735.8
17.5°	4181.6	4176.7	4169.3	4166.8	4158.2	4133.6	4096.6	4031.4	3942.7	3843.0	3762.9
20°	4212.4	4203.7	4198.8	4193.9	4189.0	4171.7	4171.7	4129.9	4031.4	3891.0	3769.1
22.5°	4192.7	4187.7	4180.4	4176.7	4171.7	4174.2	4222.2	4216.1	4102.8	3902.1	3724.8
25°	4147.1	4141.0	4134.8	4134.8	4133.6	4159.4	4275.2	4291.2	4123.7	3847.9	3627.5
27.5°	4100.3	4091.7	4094.2	4095.4	4101.5	4157.0	4333.0	4310.9	4067.1	3717.4	3460.0
30°	4072.0	4072.0	4078.2	4088.0	4100.3	4197.6	4378.6	4266.5	3920.5	3520.4	3238.4
32.5°	4084.3	4096.6	4110.2	4134.8	4153.3	4287.5	4394.6	4152.0	3707.5	3276.6	3006.9
35°	4193.9	4208.7	4234.5	4272.7	4294.9	4416.8	4394.6	3984.6	3460.0	3067.2	2768.0
37.5°	4432.8	4447.6	4478.3	4507.9	4530.1	4579.3	4376.1	3771.6	3253.2	2850.5	2553.8
40°	4816.9	4837.9	4860.0	4855.1	4840.3	4792.3	4339.2	3573.3	3062.3	2660.9	2343.2
42.5°	5357.5	5337.8	5335.3	5287.3	5238.1	5032.4	4312.1	3444.0	2898.5	2461.4	2133.9
45°	5981.8	5901.7	5819.2	5755.2	5680.1	5295.9	4304.7	3339.4	2717.5	2239.8	1906.1
47.5°	6609.8	6481.7	6321.6	6221.9	6100.0	5576.7	4326.9	3199.0	2484.8	1998.4	1693.1
50°	7225.4	7016.1	6817.9	6698.4	6560.5	5899.3	4362.6	2962.6	2206.5	1779.3	1498.5
52.5°	7795.5	7525.9	7322.7	7182.3	7013.6	6274.8	4330.6	2652.3	1965.2	1568.7	1313.8
55°	8337.3	8039.3	7828.8	7681.0	7482.8	6651.6	4099.1	2370.3	1734.9	1363.1	1105.7
57.5°	8811.4	8525.7	8306.5	8105.8	7938.4	6979.2	3642.3	2137.6	1513.3	1127.9	880.4
60°	9365.5	9044.1	8784.3	8570.0	8373.0	7147.9	3130.0	1930.7	1276.9	873.0	636.6
62.5°	10112.9	9743.5	9443.0	9198.0	8940.7	7184.8	2780.3	1723.9	1013.4	631.7	463.0
65°	11221.1	10765.5	10389.9	10052.5	9704.1	7032.1	2607.9	1498.5	753.6	469.1	387.9
67.5°	12101.5	11628.6	11194.0	10760.6	10314.8	6748.9	2569.8	1290.4	578.7	398.9	348.5
69°	11994.4	11543.7	11144.7	10675.6	10181.8	6393.0	2531.6	1210.4	528.2	370.6	330.0
70°	11581.9	11154.6	10749.5	10367.8	9763.2	5996.6	2430.6	1166.1	508.5	357.1	316.5
72.5°	9786.6	9291.6	8898.8	8423.5	7786.9	4456.2	1843.3	943.2	466.7	326.3	285.7
75°	7138.0	6728.0	6336.4	5810.6	5191.3	2578.4	1147.6	539.3	342.3	295.5	258.6
77.5°	4168.0	4075.7	3697.7	3351.7	2738.5	1312.6	658.8	322.6	266.0	268.4	227.8
80°	1568.7	1670.9	1709.1	1589.6	1469.0	906.3	479.0	262.3	231.5	264.7	193.3
82.5°	1143.9	1327.4	1349.5	1292.9	1203.0	844.7	382.9	210.6	188.4	284.4	166.2
85°	954.3	1056.5	1072.5	1013.4	983.8	715.4	267.2	147.8	137.9	204.4	124.4
87.5°	482.7	508.5	522.1	472.8	475.3	333.7	107.1	62.8	75.1	87.4	69.0
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):**

	175°	180°
0°	3643.5	3643.5
2.5°	3593.0	3600.4
5°	3597.9	3597.9
7.5°	3626.3	3626.3
10°	3657.0	3658.3
12.5°	3685.4	3684.1
15°	3707.5	3703.8
17.5°	3721.1	3717.4
20°	3707.5	3701.4
22.5°	3638.6	3621.3
25°	3513.0	3490.8
27.5°	3346.7	3332.0
30°	3130.0	3107.9
32.5°	2876.4	2865.3
35°	2633.8	2620.3
37.5°	2412.2	2408.5
40°	2225.0	2205.3
42.5°	2005.8	1997.2
45°	1783.0	1778.0
47.5°	1573.6	1568.7
50°	1380.3	1370.5
52.5°	1190.7	1174.7
55°	980.1	969.1
57.5°	752.3	742.5
60°	529.5	518.4
62.5°	376.8	364.5
65°	314.0	304.1
67.5°	284.4	273.4
69°	270.9	261.0
70°	262.3	254.9
72.5°	243.8	238.9
75°	222.9	219.2
77.5°	195.8	189.6
80°	163.8	157.6
82.5°	137.9	131.8
85°	92.3	83.7
87.5°	41.9	36.9
90°	0.0	0.0

(END OF REPORT)