

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: McGRAW-EDISON

Report Number: P158188

Luminaire Tested: **VTS-E12-LED-E1-SL2-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158188  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E12-LED-E1-SL2-8030  
Description: VENTUS LED SITE LUMINAIRE  
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (252) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

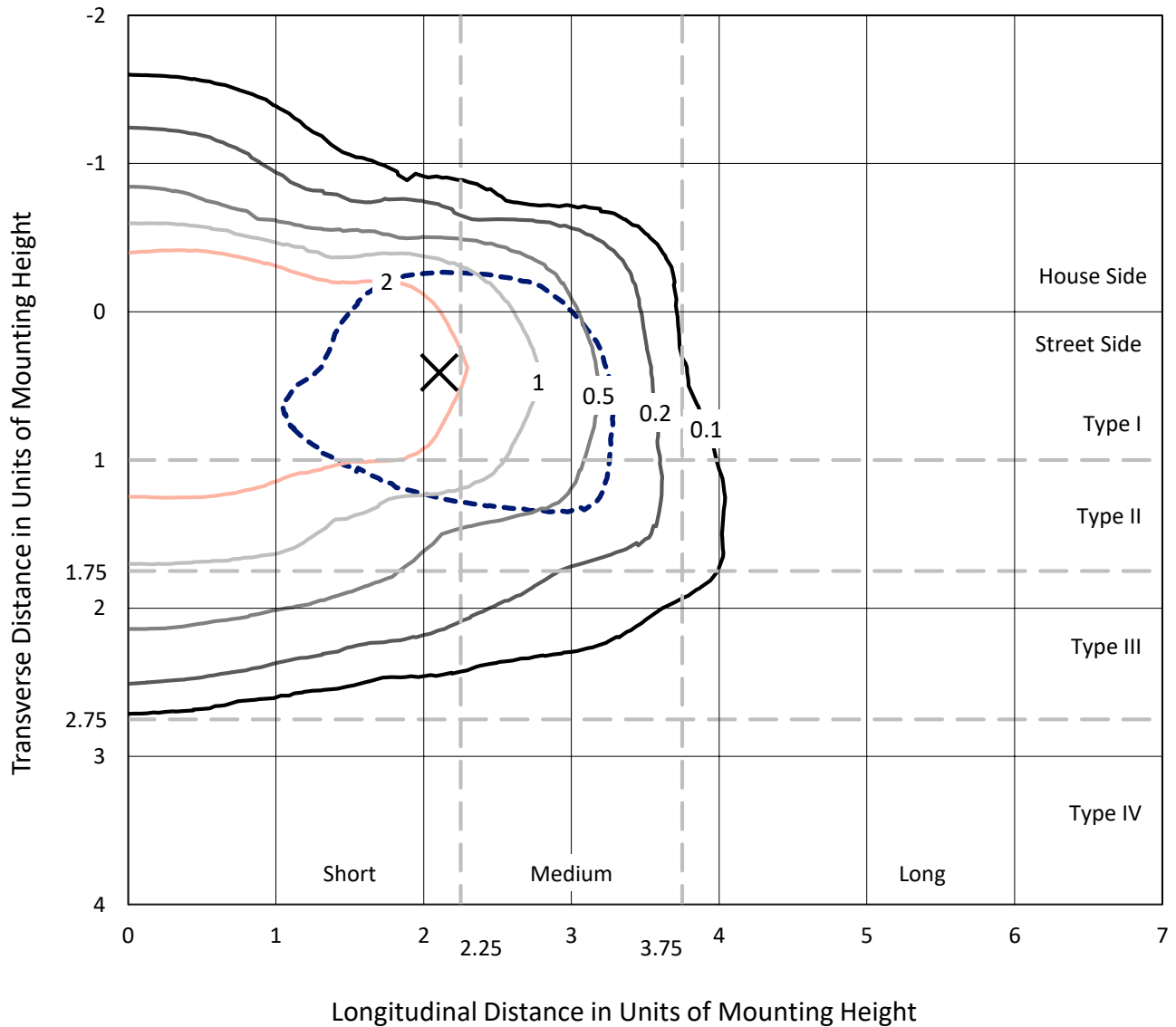
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30472.5 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 291.7  
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

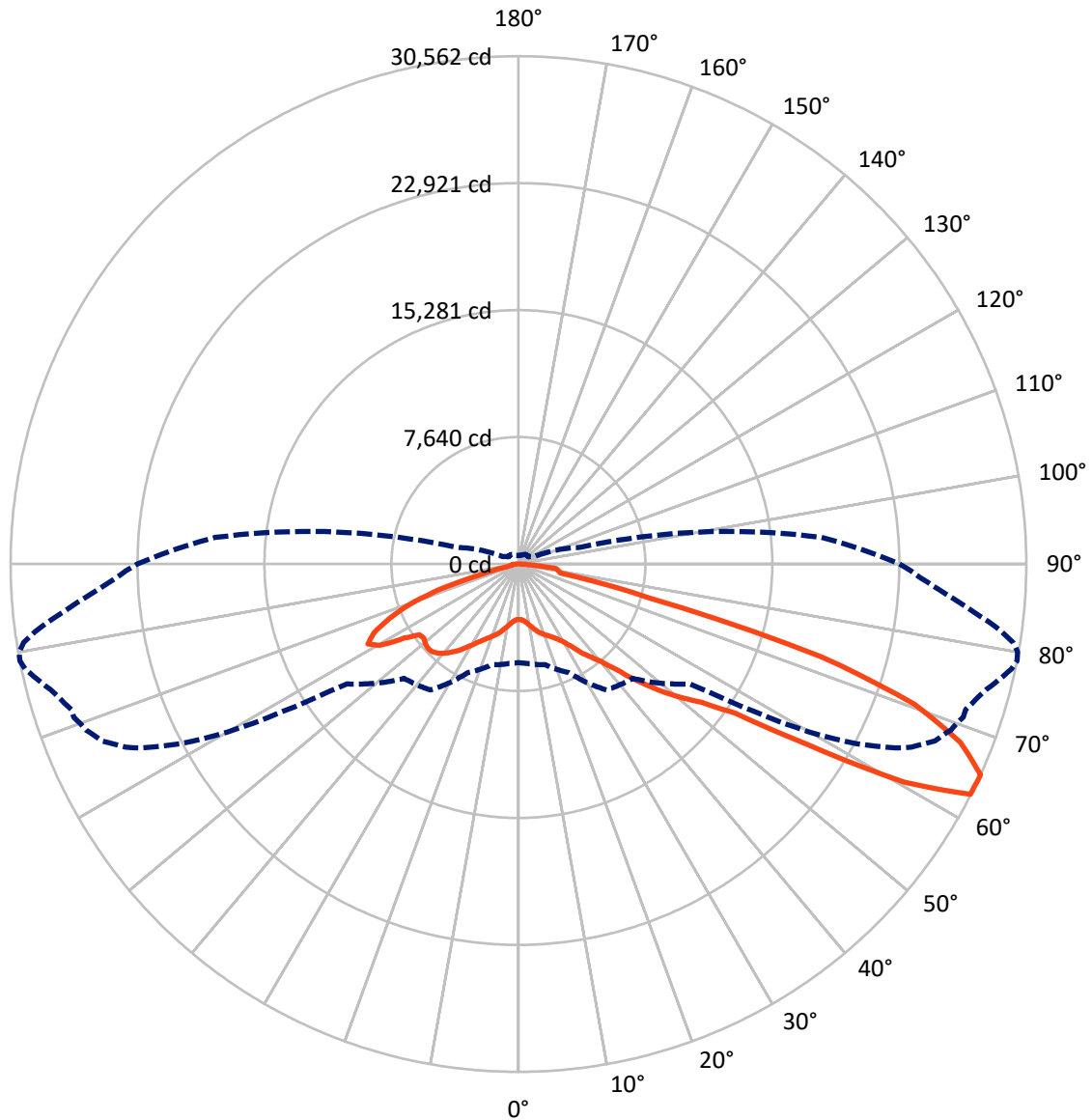
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7002.0	0.0	7002.0
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	23470.4	0.0	23470.4
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	30472.5	0.0	30472.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.9	1.1
10°-20°	1071.3	3.5
20°-30°	1846.9	6.1
30°-40°	3025.2	9.9
40°-50°	5066.2	16.6
50°-60°	6852.7	22.5
60°-70°	8439.1	27.7
70°-80°	3266.7	10.7
80°-90°	574.5	1.9
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°	30472.5	100.0
0°-180°	30472.5	100.0



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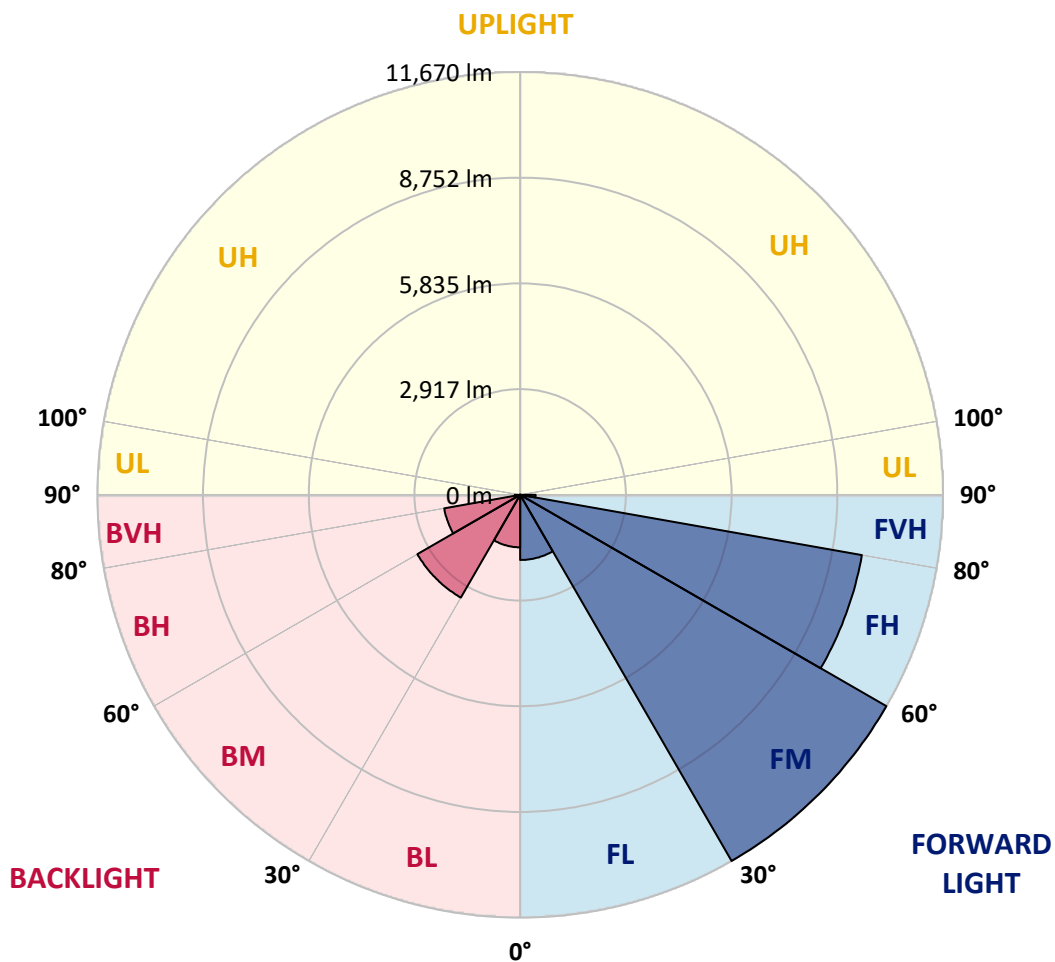
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1799.0	5.9			
FM	(30°-60°)	11669.6	38.3			
FH	(60°-80°)	9575.5	31.4			G4/12000
FVH	(80°-90°)	426.3	1.4			G3/500
BL	(0°-30°)	1449.1	4.8	B3/2500		
BM	(30°-60°)	3274.5	10.7	B3/5000		
BH	(60°-80°)	2130.3	7.0	B3/2500		G3/2500
BVH	(80°-90°)	148.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1
2.5°	3340.2	3330.1	3340.2	3348.3	3354.4	3362.5	3360.4	3358.4	3356.4	3358.4	3358.4
5°	3368.5	3366.5	3376.6	3384.7	3398.9	3409.0	3421.2	3421.2	3421.2	3419.2	3423.2
7.5°	3459.7	3457.7	3467.8	3475.9	3488.0	3508.3	3524.5	3532.6	3530.6	3530.6	3530.6
10°	3609.6	3601.5	3601.5	3601.5	3617.7	3631.9	3668.3	3672.4	3680.5	3676.4	3678.5
12.5°	3755.4	3757.4	3751.4	3745.3	3747.3	3775.7	3828.3	3838.5	3840.5	3846.6	3850.6
15°	3887.1	3885.1	3870.9	3856.7	3874.9	3923.5	3992.4	4010.6	4010.6	4022.8	4030.9
17.5°	4008.6	4004.6	3978.2	3953.9	3972.2	4055.2	4162.6	4174.7	4192.9	4199.0	4207.1
20°	4152.4	4144.3	4113.9	4049.1	4049.1	4162.6	4304.4	4316.5	4332.7	4336.8	4350.9
22.5°	4353.0	4332.7	4267.9	4150.4	4118.0	4249.7	4423.9	4429.9	4442.1	4458.3	4470.5
25°	4579.8	4583.9	4478.6	4274.0	4203.1	4340.8	4539.3	4549.4	4571.7	4583.9	4598.1
27.5°	4814.8	4820.9	4703.4	4448.2	4328.7	4466.4	4695.3	4707.4	4733.8	4748.0	4770.2
30°	5082.2	5090.3	4976.8	4719.6	4537.3	4650.7	4926.2	4958.6	4980.9	4999.1	5035.6
32.5°	5724.3	5675.7	5596.7	5323.2	5035.6	5027.5	5298.9	5335.4	5365.8	5404.2	5438.7
35°	6532.5	6562.9	6603.4	6419.1	6165.9	5981.5	6003.8	5983.6	6011.9	6068.6	6103.1
37.5°	7172.6	7239.4	7415.6	7535.2	7525.0	7488.6	7148.3	7148.3	7166.5	7136.1	7132.1
40°	7674.9	7717.5	8078.0	8541.9	8932.8	9125.2	8855.8	8817.3	8837.6	8681.6	8687.7
42.5°	7934.2	7997.0	8515.5	9329.8	10105.6	10723.4	10640.4	10614.0	10553.3	10514.8	10490.5
45°	8065.9	8140.8	8758.6	9876.7	11007.0	11961.0	12390.5	12386.4	12331.7	12287.2	12266.9
47.5°	7999.0	8063.8	8722.1	10042.8	11481.0	12759.1	13709.1	13767.9	13751.7	13816.5	13842.8
50°	7561.5	7644.5	8304.9	9684.3	11282.5	13073.1	14622.6	14732.0	14879.9	14973.1	15096.6
52.5°	7166.5	7235.4	7830.9	9102.9	10630.2	12817.9	15173.6	15398.4	15601.0	15791.4	15939.3
55°	6753.3	6822.1	7344.7	8499.3	9971.9	12064.3	15424.8	15752.9	16068.9	16391.0	16686.7
57.5°	6597.3	6670.2	7059.1	8031.4	9433.1	11316.9	15548.3	16087.1	16601.6	17148.5	17715.7
60°	7002.4	7067.2	7363.0	8043.6	9021.9	10569.5	15299.2	16145.9	17031.1	17932.4	18803.4
62.5°	6878.9	6913.3	7282.0	8337.3	9546.6	9832.2	14219.6	15337.7	16623.9	17944.6	19279.5
65°	5934.9	6001.8	6279.3	7207.0	9252.8	9732.9	12574.8	13699.0	15216.1	16777.9	18566.5
67.5°	4257.8	4164.6	4379.3	5191.6	7178.6	9716.7	10723.4	11555.9	12744.9	13942.1	15408.6
70°	1934.4	1889.9	2058.0	2700.1	4330.7	7679.0	9066.5	9348.0	9789.6	10595.8	11586.3
72.5°	763.6	761.6	871.0	1116.1	2047.9	4942.4	7624.3	7786.3	7942.3	8292.7	8720.1
75°	500.3	500.3	532.7	601.6	1008.7	2386.1	6449.4	6597.3	6836.3	6935.6	7117.9
77.5°	376.8	378.8	393.0	409.2	557.0	1255.9	4551.5	5076.1	5481.2	5783.0	6003.8
80°	267.4	279.5	305.9	316.0	362.6	715.0	2572.5	2951.3	3409.0	3897.2	4511.0
82.5°	200.5	214.7	259.3	271.4	287.6	407.1	1160.7	1316.6	1537.4	1993.2	2866.2
85°	93.2	103.3	178.3	194.5	208.6	235.0	589.4	658.3	747.4	818.3	954.0
87.5°	14.2	10.1	30.4	42.5	66.8	68.9	202.6	241.0	261.3	314.0	326.1
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1
2.5°	3358.4	3360.4	3362.5	3358.4	3360.4	3360.4	3356.4	3354.4	3354.4	3354.4	3356.4
5°	3423.2	3427.3	3423.2	3425.3	3433.4	3431.3	3427.3	3425.3	3433.4	3435.4	3429.3
7.5°	3538.7	3540.7	3532.6	3542.7	3546.8	3548.8	3548.8	3552.9	3552.9	3558.9	3552.9
10°	3686.6	3686.6	3700.7	3698.7	3700.7	3704.8	3706.8	3714.9	3721.0	3721.0	3725.0
12.5°	3856.7	3858.7	3872.9	3874.9	3883.0	3885.1	3897.2	3889.1	3909.4	3909.4	3915.4
15°	4032.9	4047.1	4049.1	4069.4	4073.4	4075.5	4091.7	4091.7	4105.8	4107.9	4111.9
17.5°	4207.1	4219.3	4227.4	4243.6	4257.8	4263.8	4269.9	4282.1	4292.2	4296.3	4306.4
20°	4357.0	4369.2	4377.3	4393.5	4405.6	4415.8	4421.8	4436.0	4446.1	4450.2	4464.4
22.5°	4482.6	4490.7	4504.9	4527.2	4531.2	4543.4	4561.6	4571.7	4575.8	4587.9	4604.1
25°	4616.3	4628.4	4636.5	4656.8	4673.0	4693.3	4709.5	4725.7	4729.7	4745.9	4760.1
27.5°	4794.5	4806.7	4808.7	4849.2	4865.4	4893.8	4912.0	4936.3	4948.5	4962.7	4991.0
30°	5057.9	5086.2	5098.4	5145.0	5153.1	5185.5	5217.9	5226.0	5244.2	5246.2	5292.8
32.5°	5461.0	5501.5	5517.7	5566.3	5578.4	5608.8	5627.1	5669.6	5671.6	5691.9	5702.0
35°	6121.3	6111.2	6174.0	6186.1	6222.6	6248.9	6267.1	6267.1	6305.6	6307.7	6319.8
37.5°	7022.7	7002.4	7018.6	6945.7	6963.9	6931.5	6925.5	6933.6	6917.3	6921.4	6919.4
40°	8464.9	8373.7	8278.5	8053.7	8005.1	7911.9	7839.0	7780.2	7723.5	7662.8	7622.3
42.5°	10273.7	10142.1	10000.3	9639.7	9471.6	9291.3	9115.1	9013.8	8811.3	8687.7	8620.9
45°	12169.7	12015.7	11817.2	11517.4	11278.4	11086.0	10763.9	10612.0	10298.0	10142.1	9931.4
47.5°	13723.3	13725.3	13565.3	13261.5	13006.2	12878.6	12678.1	12384.4	12027.9	11827.4	11452.6
50°	15082.5	15080.4	15070.3	14888.0	14709.7	14570.0	14393.8	14128.4	13836.7	13609.9	13180.4
52.5°	16087.1	16220.8	16277.5	16275.5	16253.2	16188.4	16054.7	15825.8	15530.1	15402.5	15060.2
55°	16917.6	17209.3	17361.2	17693.4	17723.8	17831.2	17713.7	17715.7	17541.5	17553.7	17444.3
57.5°	18175.5	18708.2	19014.1	19749.4	20118.0	20563.7	20484.7	20857.4	20993.1	21165.3	21394.2
60°	19603.5	20598.1	21323.3	22785.7	23381.2	24102.4	24499.4	24922.7	25230.6	25546.6	25779.5
62.5°	20624.4	21930.9	23122.0	25206.3	25980.1	26739.7	27240.0	27752.4	28098.8	28325.7	28493.8
65°	20207.2	21651.4	23059.2	25244.8	26087.4	26638.4	27233.9	27529.6	27876.0	28064.4	28305.4
67.5°	17170.8	18619.1	20128.2	22706.7	23587.9	24349.5	24813.3	25196.2	25475.7	25714.7	25992.2
70°	12769.2	14353.2	15912.9	18740.6	19852.7	20952.6	21499.5	21973.5	22265.2	22506.2	22812.1
72.5°	9190.0	10182.6	11156.9	14322.9	15434.9	16856.9	17424.0	17950.7	18329.5	18317.3	18641.4
75°	7316.4	7719.5	8153.0	9787.6	10585.7	11784.8	12102.8	12398.6	12220.3	11878.0	11857.7
77.5°	6090.9	6257.0	6402.9	6915.3	7032.8	7318.4	7160.4	6996.3	6467.7	6022.0	5787.1
80°	4944.4	5272.6	5487.3	5851.9	6001.8	6086.9	6109.1	6052.4	5858.0	5588.6	5159.1
82.5°	3676.4	4300.3	4725.7	5442.7	5706.1	5760.7	5866.1	5801.3	5673.6	5454.9	5147.0
85°	1077.6	1219.4	1397.6	1895.9	2222.1	2499.6	2783.1	2922.9	3010.0	2888.5	2570.5
87.5°	378.8	427.4	478.0	658.3	700.9	846.7	830.5	980.4	986.5	1029.0	984.4
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1
2.5°	3354.4	3354.4	3354.4	3356.4	3356.4	3356.4	3352.3	3350.3	3352.3	3356.4	3356.4
5°	3433.4	3435.4	3439.4	3431.3	3433.4	3439.4	3435.4	3433.4	3435.4	3439.4	3435.4
7.5°	3561.0	3563.0	3558.9	3567.0	3567.0	3571.1	3577.2	3571.1	3573.1	3575.1	3577.2
10°	3727.1	3729.1	3733.1	3739.2	3741.2	3745.3	3749.3	3755.4	3755.4	3751.4	3761.5
12.5°	3925.6	3923.5	3927.6	3935.7	3939.7	3945.8	3958.0	3958.0	3966.1	3964.1	3974.2
15°	4120.0	4130.2	4132.2	4146.4	4152.4	4162.6	4176.7	4184.8	4184.8	4197.0	4201.0
17.5°	4314.5	4322.6	4330.7	4342.8	4350.9	4357.0	4373.2	4383.4	4381.3	4403.6	4403.6
20°	4464.4	4480.6	4490.7	4498.8	4513.0	4523.1	4535.3	4547.4	4555.5	4569.7	4573.8
22.5°	4610.2	4620.3	4634.5	4644.7	4660.9	4673.0	4687.2	4697.3	4711.5	4729.7	4735.8
25°	4772.3	4788.5	4804.7	4818.9	4831.0	4845.2	4869.5	4891.8	4912.0	4928.2	4934.3
27.5°	4997.1	5015.3	5039.6	5049.8	5068.0	5080.2	5116.6	5145.0	5155.1	5183.5	5191.6
30°	5300.9	5321.2	5345.5	5357.7	5390.1	5406.3	5444.8	5475.1	5485.3	5519.7	5525.8
32.5°	5740.5	5752.6	5801.3	5799.2	5843.8	5890.4	5912.7	5937.0	5981.5	5999.8	6005.8
35°	6350.2	6378.5	6413.0	6411.0	6467.7	6494.0	6538.6	6564.9	6597.3	6595.3	6629.7
37.5°	6939.6	6949.8	6961.9	6988.2	7028.8	7065.2	7081.4	7107.8	7132.1	7168.5	7213.1
40°	7581.7	7606.0	7608.1	7622.3	7642.5	7689.1	7719.5	7747.8	7830.9	7883.6	7909.9
42.5°	8543.9	8537.8	8497.3	8523.6	8535.8	8606.7	8629.0	8716.1	8809.2	8920.6	8951.0
45°	9781.5	9700.5	9676.2	9666.1	9730.9	9767.3	9858.5	10020.5	10117.8	10223.1	10273.7
47.5°	11304.8	11051.6	10932.0	10905.7	10972.6	11128.5	11158.9	11318.9	11446.5	11523.5	11574.2
50°	12830.0	12631.5	12380.3	12295.3	12277.0	12420.8	12455.3	12589.0	12718.6	12740.9	12714.6
52.5°	14746.2	14422.1	14006.9	13857.0	13737.5	13747.6	13776.0	13832.7	13915.7	13881.3	13810.4
55°	17197.2	16828.5	16623.9	16340.3	16160.1	16127.7	16004.1	15833.9	15827.9	15850.1	15637.5
57.5°	21278.7	21124.8	21211.9	21181.5	21003.2	21110.6	20553.5	20395.5	20270.0	20051.2	19854.7
60°	25986.1	26144.1	26324.4	26739.7	26721.4	27138.7	26751.8	26654.6	26537.1	25862.6	25532.4
62.5°	28787.5	28850.3	29115.7	29502.5	29883.4	30282.4	30462.7	30525.5	30280.4	29729.4	29040.7
65°	28299.4	28576.9	28834.1	29168.3	29559.3	29958.3	30339.1	30561.9	30505.2	30140.6	29383.0
67.5°	26081.3	26373.0	26749.8	27100.2	27521.5	27867.9	28285.2	28694.3	28706.5	28524.2	27997.5
70°	22844.5	23182.7	23571.7	23768.1	24223.9	24537.9	24884.2	25289.3	25421.0	25443.3	24829.5
72.5°	18572.5	18714.3	18904.7	18801.4	18892.6	19093.1	18999.9	19032.3	18532.0	18625.2	17867.6
75°	11310.8	11181.2	10605.9	10081.3	9441.2	8949.0	9066.5	8126.6	7200.9	7154.3	6485.9
77.5°	5736.4	5529.8	5173.3	4802.6	4259.8	3637.9	3119.4	2560.3	2088.4	1819.0	1561.7
80°	4885.7	4739.9	4543.4	4274.0	3879.0	3419.2	2878.3	2453.0	2058.0	1646.8	1318.7
82.5°	4675.0	4229.4	3943.8	3719.0	3291.6	2866.2	2570.5	2278.8	1999.2	1746.0	1383.5
85°	2319.3	2051.9	1735.9	1539.4	1185.0	927.7	869.0	715.0	666.4	514.5	433.5
87.5°	779.8	638.1	476.0	401.1	320.0	261.3	257.2	228.9	226.9	206.6	190.4
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1
2.5°	3354.4	3358.4	3358.4	3354.4	3356.4	3352.3	3354.4	3356.4	3350.3	3348.3	3342.2
5°	3437.4	3435.4	3435.4	3437.4	3443.5	3445.5	3435.4	3439.4	3441.5	3431.3	3409.0
7.5°	3575.1	3575.1	3581.2	3579.2	3591.4	3587.3	3585.3	3585.3	3585.3	3565.0	3528.6
10°	3761.5	3761.5	3767.6	3775.7	3777.7	3773.7	3773.7	3775.7	3785.8	3745.3	3688.6
12.5°	3970.1	3980.3	3978.2	3978.2	4002.5	3996.5	3988.4	3996.5	4006.6	3949.9	3868.9
15°	4203.1	4209.2	4213.2	4227.4	4223.3	4237.5	4241.6	4237.5	4247.6	4174.7	4039.0
17.5°	4413.7	4425.9	4429.9	4446.1	4446.1	4448.2	4464.4	4458.3	4460.3	4377.3	4182.8
20°	4587.9	4600.1	4606.2	4624.4	4628.4	4636.5	4642.6	4646.7	4656.8	4557.6	4300.3
22.5°	4762.1	4772.3	4782.4	4794.5	4810.7	4820.9	4829.0	4833.0	4851.3	4735.8	4411.7
25°	4956.6	4978.9	4989.0	5009.3	5025.5	5041.7	5053.8	5055.8	5086.2	4942.4	4502.9
27.5°	5215.9	5246.2	5262.5	5294.9	5311.1	5327.3	5323.2	5347.5	5390.1	5179.4	4573.8
30°	5556.2	5594.6	5604.8	5637.2	5663.5	5679.7	5698.0	5718.2	5746.6	5442.7	4608.2
32.5°	6030.1	6088.9	6103.1	6121.3	6159.8	6188.1	6200.3	6232.7	6240.8	5691.9	4598.1
35°	6680.4	6654.0	6722.9	6739.1	6793.8	6816.1	6830.2	6872.8	6840.4	5963.3	4531.2
37.5°	7267.8	7259.7	7326.5	7363.0	7433.9	7417.7	7452.1	7480.5	7365.0	6155.7	4407.7
40°	7984.8	7974.7	8067.9	8080.0	8189.4	8165.1	8179.3	8201.6	7944.3	6289.4	4182.8
42.5°	8985.5	8989.5	9088.8	9100.9	9115.1	9159.7	9086.7	9090.8	8560.1	6325.9	3812.1
45°	10304.1	10375.0	10314.2	10316.3	10312.2	10227.1	10136.0	10028.6	9200.2	6200.3	3334.1
47.5°	11582.3	11533.6	11456.7	11385.8	11327.0	11193.3	11059.7	10877.4	9753.2	5902.5	2801.4
50°	12676.1	12566.7	12497.8	12301.3	12161.6	11987.4	11801.0	11592.4	10206.9	5473.1	2303.1
52.5°	13692.9	13579.5	13322.2	13117.6	12917.1	12686.2	12469.5	12224.4	10608.0	4982.9	1922.3
55°	15382.2	15283.0	15025.7	14651.0	14403.9	14085.9	13800.3	13468.1	11420.2	4585.9	1671.1
57.5°	19313.9	19228.8	18688.0	18451.0	18124.9	17326.8	17209.3	16690.8	13597.7	4539.3	1523.2
60°	24849.8	24485.2	24035.5	23387.3	22623.7	22360.4	21772.9	21082.2	17102.0	4666.9	1403.7
62.5°	28248.7	27418.2	26757.9	26010.5	25307.6	24704.0	24061.8	23379.2	18894.6	4498.8	1255.9
65°	28503.9	27527.6	26654.6	25777.5	24987.5	24236.0	23612.2	22929.5	18311.2	3866.8	1063.4
67.5°	27098.2	26069.2	25117.2	24122.6	23324.5	22646.0	21851.9	21195.7	16666.5	3010.0	885.2
70°	24199.6	23296.2	22475.8	21404.3	20741.9	19915.5	19411.1	18590.8	14527.4	2051.9	731.2
72.5°	17430.1	16749.5	16482.1	15734.7	14867.7	14381.6	14148.7	13352.6	10735.6	1274.1	597.5
75°	5888.4	6056.5	5671.6	5082.2	5369.8	4926.2	5106.5	4727.7	4541.3	731.2	502.3
77.5°	1306.5	1227.5	1134.3	1053.3	1047.2	984.4	1043.2	986.5	1055.3	465.9	443.6
80°	1031.0	814.3	692.7	632.0	599.6	581.3	567.2	551.0	502.3	397.0	409.2
82.5°	1114.1	840.6	615.8	492.2	421.3	395.0	388.9	372.7	368.7	384.9	413.2
85°	356.5	297.8	253.2	239.0	220.8	210.7	206.6	200.5	243.1	419.3	397.0
87.5°	186.4	164.1	145.8	139.8	121.5	113.4	111.4	113.4	170.1	419.3	287.6
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1	3334.1
2.5°	3336.1	3334.1	3330.1	3328.0	3326.0	3315.9	3324.0
5°	3398.9	3378.7	3360.4	3338.2	3326.0	3315.9	3315.9
7.5°	3494.1	3437.4	3390.8	3340.2	3305.7	3279.4	3275.4
10°	3613.6	3504.3	3396.9	3305.7	3240.9	3192.3	3186.2
12.5°	3727.1	3561.0	3390.8	3240.9	3139.6	3070.8	3066.7
15°	3832.4	3591.4	3344.2	3123.4	2971.5	2880.4	2870.2
17.5°	3915.4	3573.1	3238.9	2959.4	2752.8	2645.4	2639.3
20°	3933.7	3500.2	3089.0	2756.8	2538.0	2424.6	2398.3
22.5°	3917.5	3368.5	2902.7	2534.0	2282.8	2169.4	2155.2
25°	3868.9	3208.5	2671.7	2274.7	2041.8	1926.3	1898.0
27.5°	3781.8	3020.1	2422.6	2023.6	1792.6	1681.2	1652.9
30°	3652.1	2793.3	2157.2	1788.6	1549.6	1460.4	1432.1
32.5°	3471.8	2517.8	1895.9	1547.5	1349.0	1278.1	1266.0
35°	3222.7	2201.8	1622.5	1349.0	1203.2	1160.7	1154.6
37.5°	2904.7	1885.8	1393.6	1207.2	1101.9	1075.6	1071.5
40°	2489.4	1561.7	1231.6	1106.0	1029.0	1006.7	1002.7
42.5°	2062.0	1318.7	1112.0	1024.9	962.1	941.9	935.8
45°	1687.3	1154.6	1022.9	958.1	899.4	877.1	875.0
47.5°	1407.8	1059.4	950.0	897.3	838.6	812.3	814.3
50°	1203.2	972.3	889.2	844.7	777.8	753.5	755.5
52.5°	1063.4	885.2	832.5	781.9	725.2	700.9	700.9
55°	954.0	814.3	777.8	723.1	678.6	656.3	654.3
57.5°	864.9	757.6	725.2	680.6	636.0	609.7	609.7
60°	810.2	717.1	690.7	650.2	597.5	569.2	567.2
62.5°	777.8	704.9	682.6	625.9	567.2	538.8	532.7
65°	753.5	733.3	704.9	611.7	542.9	512.5	506.4
67.5°	755.5	800.1	759.6	619.8	534.8	490.2	482.1
70°	767.7	852.8	798.1	638.1	569.2	480.1	461.8
72.5°	706.9	771.7	719.1	607.7	555.0	461.8	439.6
75°	589.4	563.1	516.5	494.2	498.3	419.3	411.2
77.5°	478.0	419.3	374.7	393.0	419.3	358.5	350.4
80°	415.2	340.3	318.0	348.4	380.8	305.9	285.6
82.5°	388.9	287.6	273.5	362.6	399.0	263.3	230.9
85°	342.3	235.0	214.7	427.4	399.0	198.5	184.3
87.5°	228.9	139.8	133.7	314.0	273.5	137.7	111.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)