

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: P165226

Luminaire Tested: **VTS-E12-LED-E1-SL3-HSS-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P165226  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
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-SL3-HSS-7030  
Description: VENTUS LED SITE LUMINAIRE  
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (252) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

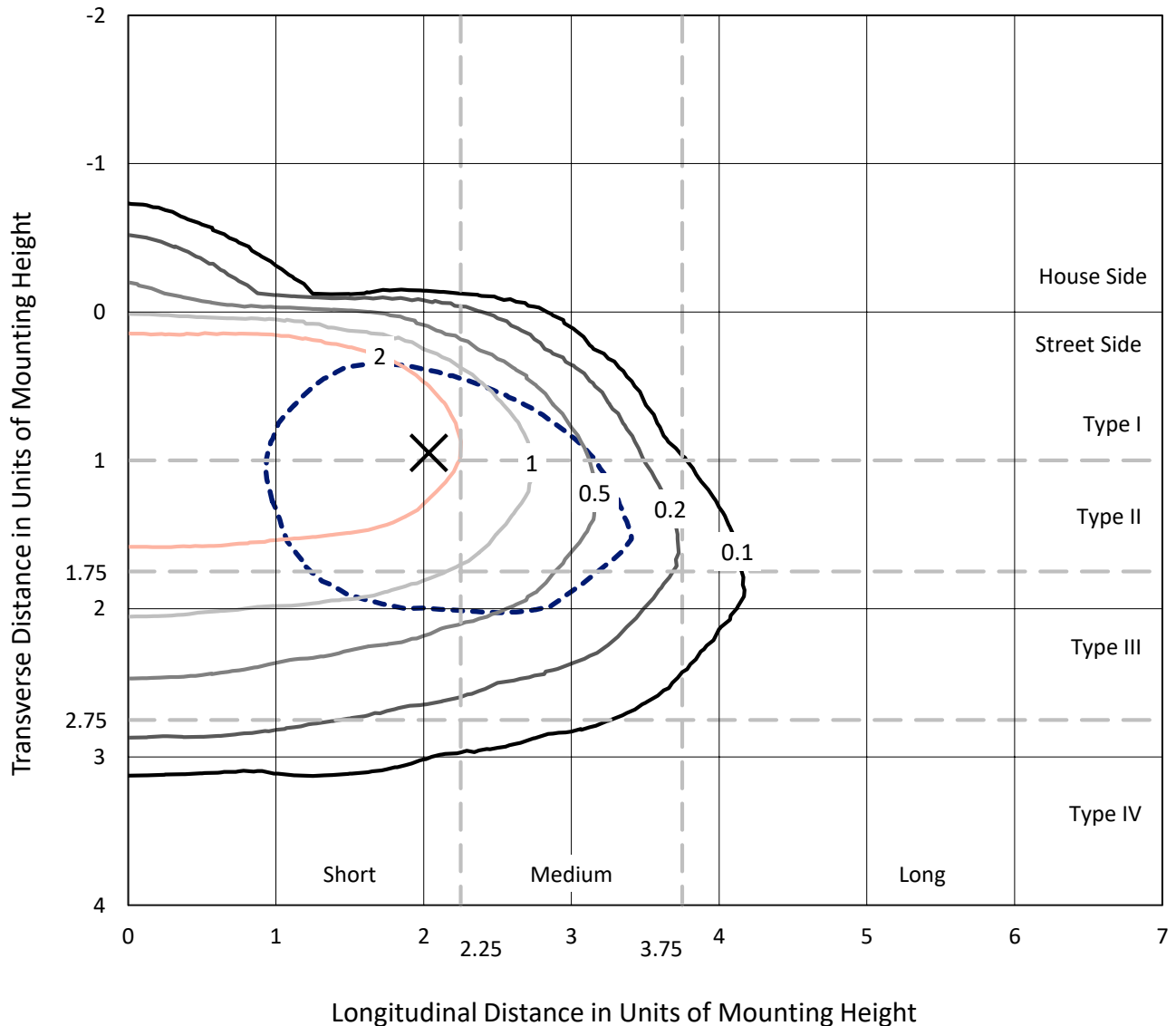
Lumens per Lamp: N/A  
Luminaire Lumens: 18775.9 lumens  
Efficiency: N/A  
Efficacy: 64.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G4  
  
Input Watts (W): 291.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

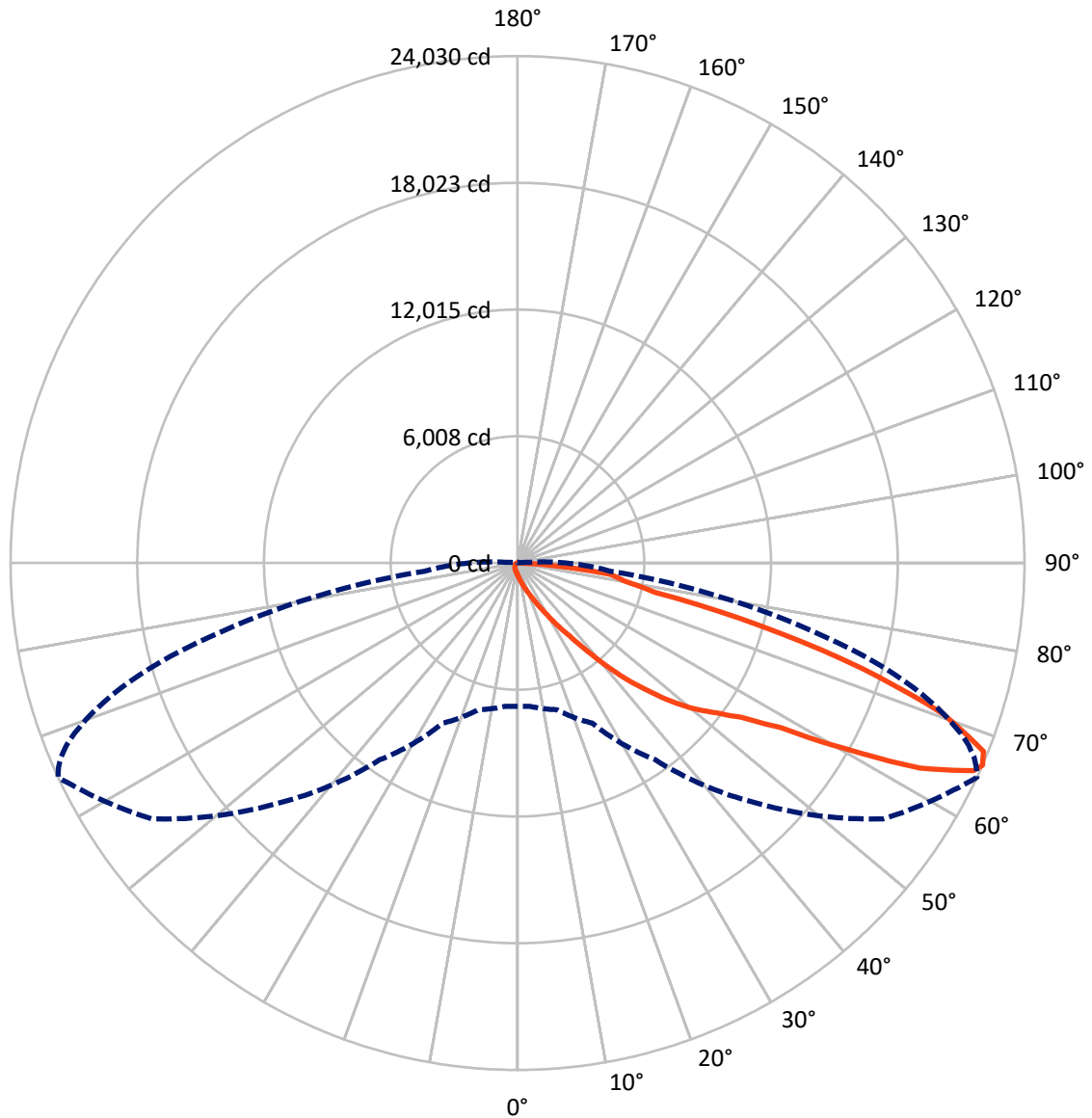


Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	406.9	0.0	406.9
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	18369.0	0.0	18369.0
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	18775.9	0.0	18775.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.4	0.3
10°-20°	269.0	1.4
20°-30°	580.2	3.1
30°-40°	1239.0	6.6
40°-50°	2740.1	14.6
50°-60°	4643.6	24.7
60°-70°	6196.6	33.0
70°-80°	2729.5	14.5
80°-90°	314.4	1.7
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°	18775.9	100.0
0°-180°	18775.9	100.0



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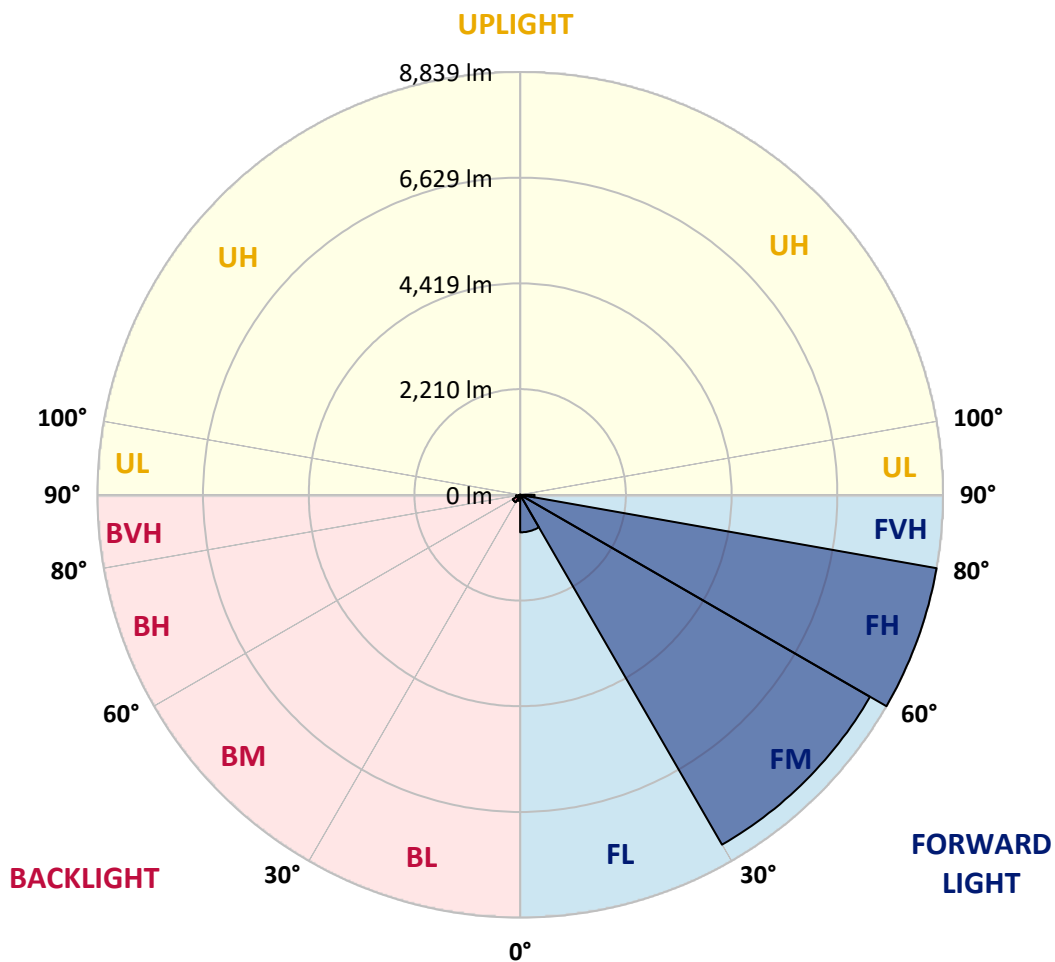
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	784.3	4.2			
FM	(30°-60°)	8444.1	45.0			
FH	(60°-80°)	8838.8	47.1			G4/12000
FVH	(80°-90°)	301.9	1.6			G3/500
BL	(0°-30°)	128.4	0.7	B1/500		
BM	(30°-60°)	178.7	1.0	B0/220		
BH	(60°-80°)	87.3	0.5	B0/110		G0/110
BVH	(80°-90°)	12.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6
2.5°	714.8	711.1	696.6	696.6	674.9	660.7	642.5	624.5	624.5	620.8	617.3
5°	945.6	924.2	920.4	880.8	848.3	801.4	758.0	700.4	693.1	685.9	682.2
7.5°	1202.1	1198.4	1165.9	1119.0	1054.2	967.3	880.8	786.9	772.5	765.2	750.8
10°	1534.2	1516.0	1472.8	1393.3	1295.9	1180.4	1039.7	891.5	873.5	859.1	851.8
12.5°	1851.8	1819.4	1794.0	1692.9	1570.2	1400.5	1230.8	1018.0	1003.5	985.5	956.6
15°	2147.8	2118.8	2075.6	1989.1	1851.8	1638.8	1440.4	1180.4	1144.2	1119.0	1097.3
17.5°	2378.8	2360.8	2310.2	2212.9	2064.7	1877.0	1638.8	1346.4	1317.6	1285.0	1245.3
20°	2599.1	2573.7	2494.3	2360.8	2201.9	2057.4	1873.5	1562.9	1523.2	1483.6	1440.4
22.5°	2808.4	2783.0	2653.2	2432.9	2263.3	2201.9	2137.0	1808.4	1747.1	1714.6	1671.2
25°	3100.9	3046.7	2844.4	2494.3	2267.0	2313.9	2425.7	2126.1	2068.4	2021.5	1952.9
27.5°	3494.3	3422.0	3104.4	2584.6	2281.3	2436.7	2757.8	2512.3	2450.9	2396.8	2321.2
30°	3938.2	3891.3	3512.3	2801.2	2386.0	2617.1	3129.6	3003.3	2931.2	2866.1	2776.0
32.5°	4385.8	4321.0	3945.5	3212.7	2667.5	2967.1	3595.4	3573.7	3479.9	3418.5	3320.9
35°	4779.3	4746.9	4468.9	3887.6	3310.2	3580.9	4216.2	4241.4	4158.5	4093.4	3985.1
37.5°	5046.5	5046.5	4992.4	4613.1	4331.7	4533.8	5129.4	5133.1	5050.0	4902.1	4847.9
40°	5183.5	5223.2	5418.3	5490.4	5475.9	5735.9	6328.0	6262.9	6194.3	6118.4	5938.0
42.5°	5465.2	5501.1	5916.3	6414.6	6739.4	7082.3	7490.2	7468.5	7385.6	7248.4	7082.3
45°	5941.7	5988.7	6483.2	7273.6	7941.3	8428.8	8688.6	8587.5	8504.5	8374.7	8287.9
47.5°	6548.1	6638.4	7197.8	8176.1	8981.0	9785.9	10056.6	9789.7	9717.5	9616.3	9475.5
50°	7194.3	7280.9	7876.4	8995.5	9905.2	10865.3	11316.6	10865.3	10760.7	10728.1	10569.4
52.5°	7753.7	7826.0	8399.9	9627.2	10612.5	11738.8	12395.8	11800.2	11724.3	11616.1	11500.5
55°	8085.8	8143.7	8681.4	9930.4	11092.8	12525.8	13439.2	12915.7	12803.7	12760.5	12594.4
57.5°	8197.8	8255.4	8739.2	9970.1	11352.6	13244.1	14706.2	14724.2	14590.7	14435.5	14384.8
60°	8197.8	8262.7	8670.6	9872.7	11605.3	14009.3	16395.4	17900.6	17612.0	17583.0	17398.9
62.5°	7858.5	7919.8	8331.3	9573.1	11944.6	15041.8	18749.0	21405.7	21322.9	21135.0	20831.8
65°	7121.9	7158.1	7562.3	8807.8	11814.7	15991.2	20788.4	23737.6	23604.1	23235.9	22846.1
66°	6789.8	6818.8	7197.8	8371.0	11388.7	16121.1	21149.5	24030.0	23809.9	23499.3	23059.0
67.5°	6309.8	6360.4	6627.4	7558.8	10367.3	15669.8	20922.2	23824.4	23633.0	23257.6	22817.2
70°	4212.7	4176.5	5118.6	5800.8	7898.1	12767.8	18770.7	21391.2	21395.0	21218.1	21041.2
72.5°	1999.8	2021.5	2295.7	3570.0	5169.1	8529.9	14940.7	17074.0	17319.5	17001.9	16781.6
75°	1436.7	1469.1	1635.3	2183.9	3082.7	5118.6	9684.9	11940.9	11948.2	11385.0	10883.5
77.5°	418.7	436.9	613.6	1346.4	2310.2	3454.4	5562.5	6638.4	6483.2	6078.7	5699.7
80°	173.2	173.2	180.4	429.6	927.7	2346.4	3891.3	5111.4	5093.4	4938.2	4714.4
82.5°	64.9	68.6	86.6	176.9	220.3	577.6	2595.4	4436.5	4425.5	4205.4	4046.5
85°	7.2	7.2	21.7	75.8	83.1	108.3	519.7	1956.4	1945.7	1956.4	1714.6
87.5°	0.0	0.0	3.5	7.2	10.7	14.5	21.7	75.8	83.1	79.4	72.1
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6
2.5°	617.3	610.0	610.0	606.5	606.5	606.5	602.8	599.3	599.3	595.6	592.1
5°	674.9	667.7	664.2	657.0	653.4	649.7	642.5	639.0	631.7	628.0	624.5
7.5°	743.5	729.1	725.6	714.8	703.9	696.6	689.4	678.7	671.4	657.0	653.4
10°	830.3	812.2	797.7	783.2	772.5	754.5	743.5	729.1	714.8	703.9	693.1
12.5°	942.1	916.9	895.2	880.8	855.6	833.9	812.2	801.4	772.5	758.0	740.0
15°	1064.9	1036.0	1010.8	981.8	963.8	927.7	898.7	866.3	851.8	826.6	797.7
17.5°	1223.6	1176.7	1137.0	1108.3	1072.1	1036.0	1003.5	971.1	927.7	898.7	862.8
20°	1393.3	1353.6	1299.4	1249.0	1205.6	1162.4	1115.3	1072.1	1032.5	985.5	942.1
22.5°	1610.1	1552.2	1487.3	1436.7	1379.0	1332.1	1267.0	1209.3	1144.2	1082.9	1032.5
25°	1884.3	1808.4	1747.1	1674.9	1606.3	1534.2	1454.6	1382.5	1299.4	1241.8	1155.2
27.5°	2223.6	2151.5	2068.4	1974.6	1906.0	1797.7	1692.9	1602.8	1505.3	1415.0	1317.6
30°	2656.8	2552.2	2465.4	2375.3	2238.1	2133.3	2010.5	1888.0	1754.3	1664.2	1516.0
32.5°	3176.5	3064.7	2934.7	2804.7	2678.5	2530.5	2378.8	2227.1	2079.2	1913.2	1761.5
35°	3812.0	3678.2	3530.3	3389.6	3194.7	3035.8	2844.4	2635.1	2469.1	2277.7	2086.4
37.5°	4653.0	4432.7	4302.8	4154.8	3891.3	3674.7	3461.7	3252.3	2959.9	2757.8	2487.1
40°	5707.0	5577.0	5364.1	5125.9	4887.6	4602.4	4313.7	4035.8	3696.4	3414.8	3100.9
42.5°	6945.0	6753.9	6537.3	6194.3	5952.5	5616.7	5288.3	4920.0	4504.9	4144.1	3775.8
45°	8107.5	7880.2	7714.0	7371.2	7118.4	6721.2	6324.3	5934.5	5454.2	4988.6	4562.7
47.5°	9363.7	9175.9	8901.7	8623.7	8367.5	7919.8	7490.2	7017.4	6511.9	5959.7	5407.3
50°	10468.3	10320.3	10132.5	9796.9	9511.7	9136.2	8630.9	8114.7	7475.7	6927.1	6299.0
52.5°	11406.7	11291.2	11027.7	10789.4	10533.2	10179.4	9728.3	9233.8	8544.4	7941.3	7226.7
55°	12515.0	12431.9	12200.9	12052.9	11825.6	11486.3	11063.9	10605.5	9876.2	9219.3	8410.6
57.5°	14330.7	14265.8	14063.5	14002.1	13778.3	13482.4	12962.6	12471.6	11619.8	10803.9	9880.0
60°	17337.5	17207.7	16911.6	16760.1	16287.1	15890.1	15215.2	14540.0	13511.3	12471.6	11359.8
62.5°	20557.4	20192.9	19629.7	19146.2	18474.7	17785.1	16882.7	15850.4	14644.8	13410.2	12132.3
65°	22293.7	21672.9	20961.8	20192.9	19323.1	18308.6	17171.6	15933.5	14637.6	13334.4	11984.3
66°	22492.3	21792.0	21037.7	20182.1	19214.8	18135.4	16980.2	15680.8	14334.2	13063.7	11713.6
67.5°	22243.3	21510.5	20712.8	19763.4	18716.5	17597.5	16384.6	15034.6	13738.6	12449.9	11136.0
70°	20499.7	19770.5	19059.4	18059.6	16944.0	15818.0	14670.0	13161.2	11933.9	10749.8	9580.3
72.5°	16370.2	15875.6	15171.8	14316.2	13229.6	11908.5	10951.9	9602.0	8537.1	7389.2	6483.2
75°	10230.0	9533.4	8663.4	7573.3	6742.9	5670.8	5111.4	4086.2	3479.9	2949.2	2436.7
77.5°	5230.4	4707.2	4097.1	3483.4	2895.0	2310.2	1786.7	1263.5	851.8	592.1	440.4
80°	4321.0	3858.9	3353.4	2794.0	2274.2	1765.3	1270.7	866.3	552.4	361.0	281.5
82.5°	3570.0	3180.2	2728.9	2209.1	1758.0	1386.2	963.8	628.0	389.7	252.7	198.6
85°	1519.7	1379.0	1064.9	844.6	635.3	469.3	328.6	220.3	155.2	126.3	115.5
87.5°	64.9	72.1	68.6	54.1	39.7	39.7	36.2	28.9	28.9	28.9	28.9
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6
2.5°	592.1	588.3	584.8	584.8	581.1	577.6	555.9	537.9	516.2	501.8	487.3
5°	617.3	613.6	606.5	602.8	595.6	592.1	545.2	505.3	472.8	447.6	429.6
7.5°	642.5	639.0	628.0	617.3	613.6	606.5	530.7	480.1	436.9	407.9	389.7
10°	674.9	664.2	653.4	639.0	628.0	617.3	516.2	451.1	404.2	379.0	361.0
12.5°	721.8	703.9	685.9	667.7	653.4	635.3	509.0	425.9	379.0	350.1	332.1
15°	776.2	750.8	729.1	707.6	682.2	664.2	494.5	404.2	357.3	328.6	306.9
17.5°	826.6	797.7	765.2	732.8	707.6	682.2	480.1	382.7	335.6	306.9	285.2
20°	898.7	855.6	815.9	776.2	740.0	707.6	458.4	361.0	317.6	285.2	263.5
22.5°	978.3	927.7	877.3	823.1	776.2	732.8	440.4	342.8	299.7	267.2	241.8
25°	1079.4	1018.0	949.4	880.8	826.6	769.0	422.4	324.9	281.5	249.0	223.8
27.5°	1220.1	1133.5	1057.7	971.1	888.0	823.1	407.9	310.4	263.5	231.0	205.8
30°	1411.5	1285.0	1165.9	1072.1	974.6	880.8	393.5	292.4	249.0	213.1	184.1
32.5°	1624.3	1476.3	1339.1	1198.4	1075.6	967.3	379.0	278.0	231.0	194.9	169.7
35°	1888.0	1700.1	1516.0	1353.6	1205.6	1061.2	364.5	263.5	216.6	176.9	151.7
37.5°	2267.0	2032.2	1790.5	1581.1	1389.8	1198.4	353.8	249.0	198.6	158.9	133.5
40°	2786.7	2483.6	2187.4	1902.3	1653.2	1415.0	339.3	234.5	184.1	144.5	119.0
42.5°	3349.9	2981.6	2591.9	2270.5	1927.7	1628.0	324.9	220.3	169.7	130.0	104.8
45°	4050.2	3591.7	3118.8	2682.0	2263.3	1877.0	310.4	205.8	151.7	115.5	90.3
47.5°	4815.5	4230.6	3696.4	3147.8	2649.5	2187.4	292.4	194.9	137.2	101.1	79.4
50°	5602.4	4985.1	4310.0	3685.5	3093.6	2498.0	274.4	176.9	122.8	90.3	64.9
52.5°	6450.5	5721.4	5032.0	4255.8	3566.5	2905.8	256.2	162.4	111.8	79.4	54.1
55°	7529.9	6714.2	5905.6	5035.6	4205.4	3378.8	238.3	144.5	97.5	68.6	43.4
57.5°	8887.2	7919.8	6927.1	5945.3	4938.2	3999.6	223.8	126.3	83.1	57.7	36.2
60°	10168.7	9038.9	7836.8	6707.0	5569.8	4476.1	202.1	111.8	72.1	46.9	36.2
62.5°	10832.8	9544.1	8248.2	7002.9	5790.1	4645.8	180.4	93.8	61.4	39.7	32.4
65°	10670.4	9356.5	8100.2	6844.0	5656.6	4537.5	158.9	83.1	54.1	36.2	32.4
66°	10435.9	9136.2	7872.9	6678.1	5544.5	4422.0	148.0	79.4	50.6	36.2	28.9
67.5°	9923.1	8666.9	7461.3	6349.5	5237.7	4201.7	133.5	72.1	46.9	32.4	28.9
70°	8475.7	7335.0	6371.2	5382.1	4476.1	3541.2	108.3	61.4	39.7	28.9	28.9
72.5°	5609.4	4833.4	4191.0	3606.1	3014.1	2339.1	90.3	50.6	32.4	28.9	25.2
75°	2115.3	1913.2	1642.5	1476.3	1288.7	1129.8	72.1	32.4	25.2	25.2	25.2
77.5°	375.5	346.6	306.9	281.5	260.0	238.3	57.7	21.7	21.7	25.2	25.2
80°	252.7	234.5	213.1	194.9	180.4	162.4	39.7	18.0	21.7	21.7	25.2
82.5°	180.4	169.7	158.9	144.5	133.5	119.0	25.2	18.0	21.7	21.7	21.7
85°	108.3	101.1	93.8	86.6	75.8	72.1	18.0	18.0	18.0	21.7	21.7
87.5°	28.9	25.2	28.9	28.9	21.7	25.2	14.5	14.5	14.5	18.0	18.0
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):**

	145°	155°	165°	175°	180°
0°	566.6	566.6	566.6	566.6	566.6
2.5°	480.1	480.1	472.8	483.8	483.8
5°	415.2	415.2	411.4	415.2	415.2
7.5°	379.0	375.5	375.5	375.5	379.0
10°	346.6	342.8	342.8	342.8	342.8
12.5°	317.6	314.1	310.4	314.1	314.1
15°	292.4	285.2	285.2	285.2	285.2
17.5°	270.7	263.5	260.0	260.0	260.0
20°	249.0	238.3	238.3	238.3	238.3
22.5°	227.3	216.6	216.6	216.6	216.6
25°	205.8	194.9	194.9	194.9	194.9
27.5°	187.6	176.9	176.9	176.9	176.9
30°	166.2	158.9	158.9	162.4	158.9
32.5°	151.7	140.7	140.7	144.5	144.5
35°	133.5	126.3	126.3	126.3	126.3
37.5°	115.5	108.3	108.3	108.3	108.3
40°	101.1	93.8	90.3	93.8	93.8
42.5°	86.6	79.4	75.8	75.8	75.8
45°	75.8	64.9	61.4	64.9	64.9
47.5°	61.4	54.1	54.1	57.7	57.7
50°	46.9	46.9	50.6	57.7	57.7
52.5°	43.4	43.4	50.6	57.7	57.7
55°	39.7	43.4	50.6	54.1	57.7
57.5°	36.2	43.4	50.6	54.1	54.1
60°	36.2	39.7	46.9	54.1	54.1
62.5°	32.4	36.2	43.4	50.6	50.6
65°	32.4	36.2	43.4	50.6	50.6
66°	32.4	36.2	43.4	50.6	50.6
67.5°	32.4	36.2	43.4	50.6	50.6
70°	32.4	36.2	43.4	46.9	46.9
72.5°	28.9	32.4	39.7	46.9	46.9
75°	28.9	32.4	39.7	46.9	46.9
77.5°	28.9	32.4	39.7	46.9	46.9
80°	28.9	32.4	39.7	43.4	46.9
82.5°	25.2	32.4	36.2	43.4	43.4
85°	25.2	28.9	36.2	39.7	43.4
87.5°	21.7	25.2	28.9	36.2	36.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)