

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: P164978

Luminaire Tested: **VTS-E09-LED-E1-SL2-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P164978  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E09-LED-E1-SL2-HSS-7050  
Description: VENTUS LED SITE LUMINAIRE  
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (189) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

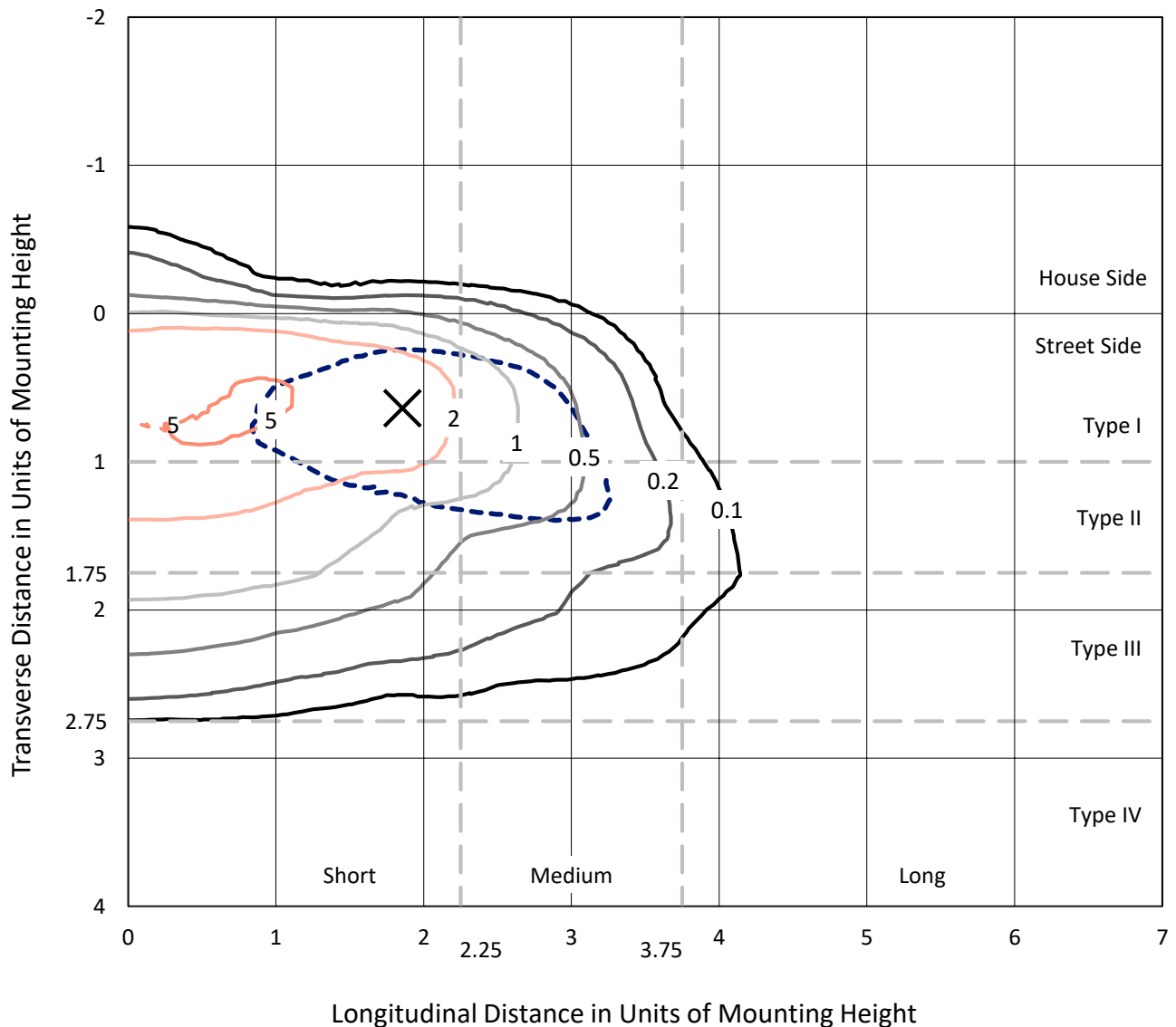
Lumens per Lamp: N/A  
Luminaire Lumens: 16730.6 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.5' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 225.7  
Input Voltage (V): NR  
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

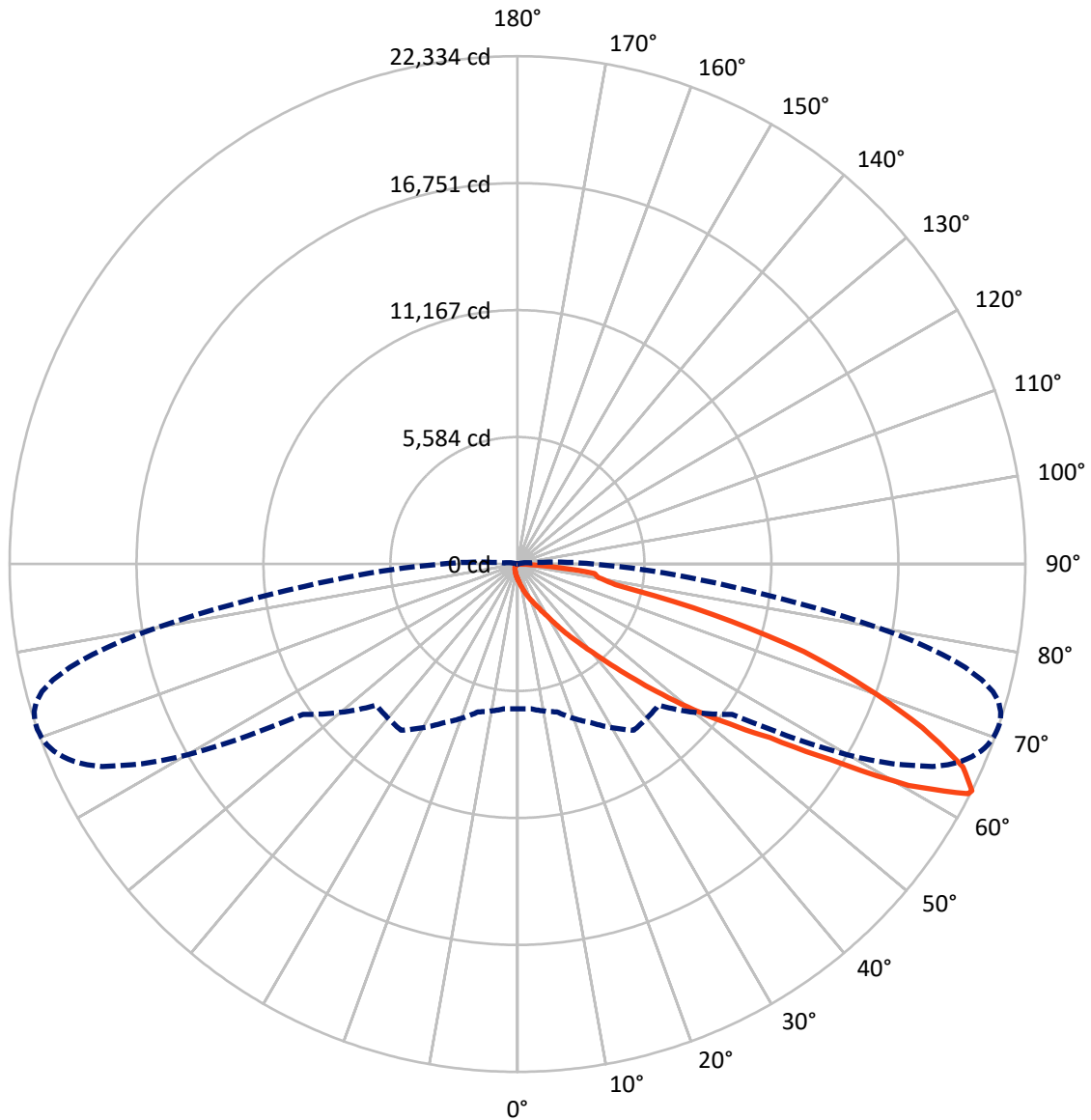
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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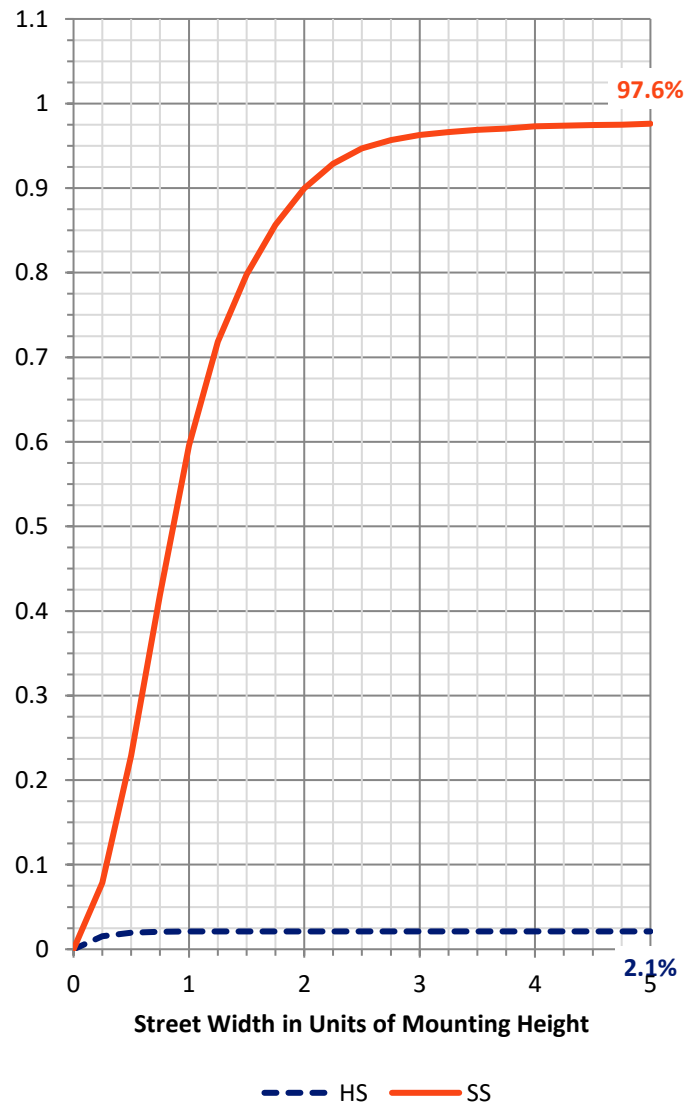
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	355.2	0.0	355.2
	% Fixture	2.1	0.0	2.1
<b>Street Side</b>	Lumens	16375.4	0.0	16375.4
	% Fixture	97.9	0.0	97.9
<b>Total</b>	Lumens	16730.6	0.0	16730.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.9	0.4
10°-20°	275.1	1.6
20°-30°	558.8	3.3
30°-40°	1365.2	8.2
40°-50°	3053.0	18.2
50°-60°	4292.9	25.7
60°-70°	5048.1	30.2
70°-80°	1822.8	10.9
80°-90°	243.8	1.5
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°	16730.6	100.0
0°-180°	16730.6	100.0



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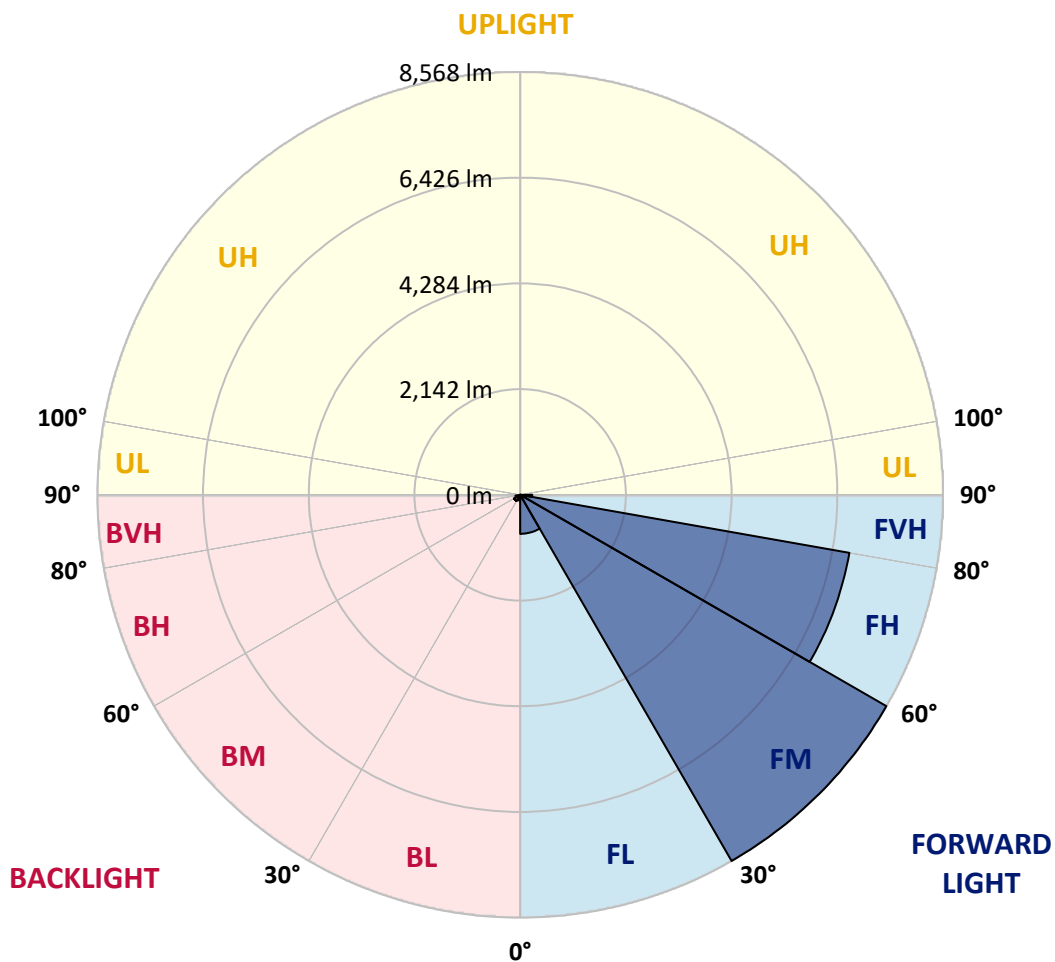
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	790.6	4.7			
FM	(30°-60°)	8568.0	51.2			
FH	(60°-80°)	6773.6	40.5			G3/7500
FVH	(80°-90°)	243.2	1.5			G3/500
BL	(0°-30°)	114.2	0.7	B1/500		
BM	(30°-60°)	143.1	0.9	B0/220		
BH	(60°-80°)	97.4	0.6	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	839.5	848.5	842.4	827.3	809.0	784.8	763.4	763.4	760.4	751.2	754.3
5°	1101.0	1104.1	1091.9	1055.4	1021.9	970.2	912.4	906.3	900.2	891.2	888.2
7.5°	1356.6	1368.6	1356.6	1316.9	1250.0	1171.0	1079.8	1070.7	1052.4	1052.4	1040.2
10°	1618.1	1618.1	1606.0	1560.3	1499.4	1386.9	1271.3	1256.1	1234.9	1228.8	1210.5
12.5°	1803.6	1803.6	1797.5	1773.3	1724.5	1624.2	1484.2	1469.1	1441.8	1432.5	1411.3
15°	1876.5	1876.5	1879.7	1900.9	1904.1	1858.4	1712.3	1700.2	1672.8	1648.4	1639.4
17.5°	1922.2	1919.2	1919.2	1949.7	2004.4	2034.8	1940.4	1928.3	1898.0	1885.8	1855.3
20°	2022.6	2016.5	1998.3	1998.3	2050.0	2156.4	2156.4	2153.4	2120.0	2110.7	2095.6
22.5°	2171.7	2165.6	2110.7	2065.1	2089.5	2223.4	2348.1	2342.0	2329.8	2317.6	2308.6
25°	2414.9	2393.7	2299.3	2165.6	2144.4	2287.3	2494.0	2509.3	2518.4	2518.4	2524.5
27.5°	2783.0	2755.7	2588.4	2339.0	2244.6	2390.6	2655.2	2685.7	2713.0	2719.1	2746.5
30°	3293.9	3245.3	3005.1	2640.1	2424.2	2542.8	2892.6	2926.0	2965.5	2977.7	3020.2
32.5°	4133.4	4106.0	3875.0	3327.4	2865.1	2840.9	3224.1	3266.6	3318.3	3339.5	3391.3
35°	5410.9	5417.0	5228.5	4735.7	4097.0	3762.3	3817.2	3853.6	3871.8	3935.8	3963.1
37.5°	6277.7	6292.9	6335.5	6140.9	5684.7	5343.9	4915.0	4954.7	4860.4	4869.4	4872.5
40°	6752.2	6800.8	7050.3	7238.9	7202.3	7004.7	6661.0	6682.2	6505.8	6466.3	6274.6
42.5°	7068.4	7132.3	7530.9	8114.7	8412.9	8592.4	8513.3	8504.1	8367.2	8315.5	8154.3
45°	7266.2	7324.1	7825.9	8686.6	9374.0	9897.1	10113.0	10137.4	10021.8	9970.1	9836.3
47.5°	7257.0	7324.1	7862.3	8899.5	9912.4	10748.7	11357.1	11387.4	11457.4	11411.8	11420.9
50°	6855.7	6919.6	7460.9	8537.5	9754.1	11138.1	12251.3	12348.6	12461.1	12537.2	12573.8
52.5°	6369.0	6414.6	6895.2	7917.1	9078.9	10976.8	12780.4	12947.8	13115.1	13258.1	13358.4
55°	6189.4	6241.2	6618.3	7467.0	8537.5	10301.6	13026.8	13273.2	13510.5	13744.7	13936.3
57.5°	6283.8	6332.4	6603.2	7254.1	8215.2	9589.9	13096.8	13480.1	13869.4	14249.5	14626.7
60°	6630.5	6682.2	6913.5	7451.7	8130.1	9179.4	12823.1	13458.8	14106.6	14769.6	15393.2
62.5°	6493.6	6514.9	6855.7	7798.5	8738.3	8829.5	11828.5	12716.7	13705.2	14727.2	15733.8
63°	6362.9	6387.3	6733.9	7704.2	8923.9	8777.8	11521.3	12458.1	13501.3	14602.3	15697.4
65°	5769.8	5772.8	6037.4	6803.9	8717.1	8869.1	10152.7	11046.8	12245.2	13565.2	14949.2
67.5°	4306.8	4285.6	4541.0	5125.0	6843.5	8872.2	8713.9	9215.9	10049.3	11220.3	12461.1
70°	1526.9	1493.5	1907.0	2716.0	4264.1	7257.0	7488.3	7521.7	7752.9	8385.5	9164.2
72.5°	495.7	505.0	608.2	994.6	1964.8	4884.7	6779.6	6676.1	6615.4	6612.2	6715.7
75°	197.6	200.8	243.2	441.1	882.1	2354.2	5937.1	5994.8	6016.2	6046.5	6080.1
77.5°	94.2	103.4	136.9	246.4	437.9	1164.9	4249.0	4738.6	5018.5	5234.6	5365.3
80°	33.4	39.5	76.1	152.0	203.7	535.3	2238.6	2700.9	3111.4	3640.8	4097.0
82.5°	0.0	0.0	15.1	106.4	112.5	215.9	918.5	1076.6	1231.8	1596.7	2050.0
85°	0.0	0.0	0.0	30.5	33.4	36.6	310.3	374.2	419.8	489.6	565.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	9.1	18.3	45.6	70.0
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	748.2	745.3	745.3	739.2	736.0	729.9	727.0	717.7	714.8	714.8	714.8
5°	885.1	872.9	866.8	851.6	842.4	839.5	824.3	818.2	809.0	812.1	796.8
7.5°	1037.1	1015.8	1006.8	985.4	979.5	958.0	951.9	936.8	927.7	909.5	903.4
10°	1204.4	1177.1	1161.9	1128.3	1119.3	1104.1	1085.8	1067.6	1052.4	1034.1	1025.1
12.5°	1396.1	1371.8	1359.6	1313.9	1292.7	1271.3	1247.1	1222.7	1198.3	1183.2	1161.9
15°	1621.1	1581.6	1569.4	1526.9	1490.3	1463.0	1429.6	1399.1	1380.8	1350.5	1329.1
17.5°	1843.1	1803.6	1794.5	1730.6	1691.1	1672.8	1636.4	1596.7	1563.3	1533.0	1499.4
20°	2065.1	2037.8	2013.4	1952.6	1910.2	1879.7	1830.9	1791.4	1764.1	1721.6	1678.9
22.5°	2287.3	2259.8	2241.7	2177.8	2138.3	2095.6	2053.1	2010.4	1970.9	1919.2	1870.6
25°	2515.4	2497.1	2487.9	2430.3	2393.7	2354.2	2311.5	2262.9	2214.2	2156.4	2104.8
27.5°	2752.6	2758.7	2740.4	2728.2	2688.7	2661.3	2594.5	2561.0	2524.5	2454.5	2390.6
30°	3053.6	3071.9	3065.8	3075.1	3050.7	3032.4	2980.7	2938.2	2895.5	2828.7	2755.7
32.5°	3433.9	3458.3	3470.3	3503.9	3491.7	3485.6	3470.3	3409.5	3379.1	3263.6	3233.2
35°	4020.9	4008.7	4060.4	4087.8	4075.6	4069.7	4051.4	4017.9	3981.4	3899.2	3823.3
37.5°	4784.3	4796.4	4814.7	4760.1	4723.5	4720.5	4665.7	4632.3	4580.5	4489.3	4398.1
40°	6183.4	6107.4	6022.3	5791.1	5690.8	5632.9	5471.7	5426.1	5337.8	5213.1	5118.9
42.5°	8002.3	7926.2	7670.7	7284.5	7077.7	6791.8	6661.0	6499.7	6375.1	6171.3	6061.8
45°	9809.0	9589.9	9559.5	9109.4	8853.9	8476.8	8242.6	7971.8	7689.0	7421.4	7226.7
47.5°	11332.8	11284.0	11135.1	10861.2	10624.1	10307.7	10006.6	9589.9	9297.9	8917.8	8568.0
50°	12552.3	12549.4	12494.5	12336.4	12138.8	11883.3	11618.7	11265.9	10934.4	10468.9	10094.9
52.5°	13464.9	13513.5	13531.8	13483.0	13407.1	13182.0	13048.2	12753.1	12473.3	12077.8	11673.3
55°	14133.9	14313.4	14404.7	14508.1	14486.9	14407.8	14401.7	14210.0	14082.4	13768.9	13483.0
57.5°	14961.4	15256.3	15539.1	16041.1	16059.2	16235.8	16327.0	16418.3	16442.5	16317.8	16223.6
60°	16013.6	16615.9	17151.1	18200.6	18474.3	18906.2	19186.0	19490.2	19748.6	19770.0	19763.9
62.5°	16755.7	17683.4	18547.3	20104.5	20636.8	21135.7	21509.7	21804.8	21984.2	22166.6	22251.8
63°	16777.1	17793.0	18711.5	20317.4	20877.1	21351.6	21707.5	21981.2	22169.8	22279.1	22334.0
65°	16263.1	17494.9	18589.8	20189.6	20715.8	21193.5	21378.9	21558.4	21649.7	21692.2	21530.9
67.5°	13784.3	14988.7	16266.1	18054.5	18504.6	19076.4	19228.6	19319.9	19362.4	19353.3	19216.5
70°	10307.7	11317.6	12737.9	14781.8	15378.0	15937.7	16284.4	16433.4	16482.0	16466.8	16263.1
72.5°	7196.2	7789.3	8960.3	11235.4	12047.5	12765.3	13194.2	13416.2	13461.8	13370.5	13182.0
75°	6043.5	6074.0	6338.5	7582.4	8342.9	9109.4	9592.9	9732.9	9641.7	9364.8	8884.4
77.5°	5395.6	5462.7	5462.7	5648.1	5797.1	6010.1	6055.7	5715.0	5319.7	4808.6	4395.1
80°	4525.9	4760.1	4924.3	5061.1	5076.3	5033.8	4921.1	4729.6	4425.4	4036.0	3604.2
82.5°	2749.6	3211.9	3400.5	4106.0	4452.7	4686.9	4668.8	4413.2	4182.1	3777.6	3409.5
85°	693.5	748.2	812.1	1055.4	1183.2	1444.7	1608.9	1685.0	1712.3	1572.5	1423.5
87.5°	66.9	45.6	76.1	57.8	82.2	60.8	82.2	76.1	94.2	100.3	109.5
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°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	708.7	705.6	702.6	699.6	696.5	693.5	687.4	687.4	681.4	678.2	675.3
5°	787.7	781.6	778.7	772.6	763.4	757.3	748.2	736.0	727.0	723.8	717.7
7.5°	888.2	872.9	866.8	857.7	845.6	827.3	815.1	806.0	790.9	781.6	763.4
10°	1000.7	985.4	967.3	949.0	930.7	909.5	894.1	882.1	857.7	845.6	824.3
12.5°	1143.7	1116.3	1094.9	1070.7	1046.3	1021.9	1003.7	967.3	945.8	918.5	900.2
15°	1289.6	1265.2	1241.0	1210.5	1173.9	1134.4	1116.3	1082.7	1055.4	1012.9	988.5
17.5°	1466.0	1420.3	1383.9	1347.4	1313.9	1277.4	1241.0	1189.3	1149.8	1113.2	1064.6
20°	1639.4	1584.7	1545.0	1496.4	1447.9	1390.0	1347.4	1310.8	1256.1	1207.6	1155.8
22.5°	1824.8	1770.2	1706.2	1657.7	1590.8	1545.0	1487.4	1426.4	1371.8	1307.9	1243.9
25°	2050.0	1992.2	1919.2	1855.3	1779.2	1715.5	1645.5	1575.5	1508.6	1435.7	1353.5
27.5°	2326.8	2265.9	2186.8	2110.7	2010.4	1931.4	1864.5	1770.2	1685.0	1593.8	1499.4
30°	2676.5	2609.6	2512.3	2402.7	2302.5	2214.2	2120.0	1995.3	1900.9	1791.4	1669.9
32.5°	3132.9	3053.6	2922.9	2819.4	2694.8	2579.1	2448.4	2323.7	2190.0	2047.0	1907.0
35°	3707.6	3634.7	3482.5	3330.5	3193.6	3056.8	2892.6	2749.6	2561.0	2387.6	2208.1
37.5°	4303.9	4172.9	4033.1	3868.9	3698.4	3534.2	3333.4	3135.8	2919.9	2731.3	2506.2
40°	4985.0	4826.9	4711.3	4534.9	4294.6	4060.4	3875.0	3628.6	3357.8	3105.3	2840.9
42.5°	5918.9	5742.5	5535.6	5268.0	5094.6	4820.8	4580.5	4288.5	3932.6	3649.8	3330.5
45°	6998.6	6758.3	6557.6	6299.0	6089.2	5748.6	5468.8	5079.4	4723.5	4352.4	3963.1
47.5°	8230.4	7932.3	7640.3	7384.8	7050.3	6715.7	6359.9	5946.2	5490.0	5082.4	4620.1
50°	9644.6	9221.8	8817.3	8488.9	8029.6	7643.4	7257.0	6791.8	6286.8	5818.4	5292.2
52.5°	11217.1	10727.5	10192.2	9687.3	9155.0	8659.2	8193.8	7658.5	7096.0	6524.1	5937.1
55°	13115.1	12747.0	12117.5	11475.7	10763.9	10101.0	9501.7	8838.8	8154.3	7403.1	6785.7
57.5°	16086.7	15907.2	15381.0	14739.3	13811.6	13005.6	11989.7	11177.6	10186.1	9152.0	8355.0
60°	20113.7	19891.5	19596.6	19076.4	18340.4	17245.5	16126.3	14864.0	13355.4	11922.9	10563.3
62.5°	22261.0	22181.8	21941.7	21582.6	20895.4	20031.5	18903.2	17516.1	15813.0	14073.1	12339.6
63°	22324.8	22224.5	22017.6	21652.6	21047.4	20211.1	19103.8	17756.4	16089.7	14316.6	12546.2
65°	21461.1	21421.6	21211.6	20813.2	20399.6	19760.8	18903.2	17744.2	16345.1	14669.3	12908.2
67.5°	19034.0	18915.2	18592.9	18471.2	18182.3	17738.1	17084.3	16287.3	15286.8	13969.7	12448.9
70°	16098.7	15922.3	15517.9	15301.9	14949.2	14669.3	14271.0	13702.1	13084.6	12166.1	11031.7
72.5°	12987.3	12622.3	12251.3	11688.7	11195.9	10697.0	10256.0	9854.6	9176.2	8805.2	7944.5
75°	8434.1	7771.0	7135.5	6283.8	5517.3	4839.1	4179.0	3844.5	3148.0	2865.1	2460.6
77.5°	4002.6	3631.6	3132.9	2746.5	2253.7	1840.2	1502.5	1128.3	885.1	693.5	529.2
80°	3230.0	2916.8	2615.7	2265.9	1894.8	1511.6	1158.8	866.8	614.3	425.7	301.1
82.5°	2880.4	2539.6	2168.6	1928.3	1676.0	1371.8	1125.4	918.5	678.2	495.7	337.6
85°	1119.3	942.9	727.0	593.1	462.3	380.1	343.7	237.2	185.6	145.9	112.5
87.5°	97.3	79.1	63.9	42.7	45.6	24.4	27.3	18.3	15.1	15.1	12.2
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	672.1	669.2	666.0	659.9	659.9	654.0	650.9	647.9	632.6	599.2	571.8
5°	705.6	699.6	693.5	684.3	678.2	669.2	663.1	654.0	620.4	556.7	501.8
7.5°	754.3	742.1	733.1	714.8	705.6	693.5	684.3	669.2	614.3	517.0	441.1
10°	812.1	790.9	775.6	754.3	736.0	720.9	705.6	684.3	608.2	474.5	386.2
12.5°	882.1	857.7	827.3	802.9	778.7	757.3	736.0	708.7	599.2	437.9	343.7
15°	951.9	915.6	894.1	860.7	827.3	796.8	766.5	742.1	602.3	398.4	307.2
17.5°	1031.0	994.6	949.0	912.4	876.0	836.5	799.9	751.2	587.0	368.1	279.8
20°	1107.1	1055.4	1012.9	967.3	915.6	866.8	821.2	778.7	574.8	337.6	255.4
22.5°	1189.3	1128.3	1073.7	1015.8	951.9	897.3	842.4	787.7	553.5	310.3	234.2
25°	1289.6	1219.6	1140.5	1070.7	1003.7	936.8	866.8	799.9	532.3	285.9	219.1
27.5°	1411.3	1320.0	1241.0	1152.7	1058.5	973.4	897.3	824.3	511.1	267.6	203.7
30°	1566.4	1459.9	1347.4	1234.9	1134.4	1037.1	930.7	839.5	489.6	249.3	188.6
32.5°	1773.3	1639.4	1502.5	1371.8	1237.9	1113.2	1000.7	882.1	477.4	234.2	173.4
35°	2047.0	1873.6	1706.2	1542.1	1380.8	1228.8	1082.7	949.0	477.4	215.9	155.1
37.5°	2305.4	2104.8	1891.9	1688.0	1496.4	1320.0	1146.6	985.4	453.3	200.8	140.0
40°	2585.2	2344.9	2095.6	1855.3	1624.2	1405.2	1207.6	1021.9	431.8	182.5	124.7
42.5°	3014.1	2710.1	2384.6	2104.8	1828.0	1557.2	1310.8	1091.9	404.5	164.2	109.5
45°	3576.9	3190.5	2807.4	2466.7	2113.9	1782.3	1490.3	1219.6	398.4	149.1	94.2
47.5°	4179.0	3722.8	3272.7	2837.7	2424.2	2037.8	1688.0	1362.5	398.4	133.9	82.2
50°	4778.2	4206.5	3725.9	3221.0	2755.7	2299.3	1882.6	1511.6	401.5	121.7	66.9
52.5°	5319.7	4708.3	4169.9	3585.9	3071.9	2542.8	2089.5	1657.7	395.4	106.4	54.7
55°	6070.9	5353.1	4729.6	4084.8	3482.5	2886.5	2372.5	1876.5	398.4	94.2	45.6
57.5°	7454.8	6612.2	5861.1	5015.5	4322.0	3552.5	2929.0	2326.8	435.0	79.1	33.4
60°	9440.9	8346.0	7290.6	6259.4	5377.5	4462.0	3652.8	2944.3	511.1	63.9	24.4
62.5°	10776.1	9343.6	8084.5	6946.9	5921.8	4963.8	4081.7	3275.6	562.6	51.7	15.1
63°	10912.9	9431.8	8166.5	6992.5	5946.2	4988.2	4099.9	3300.0	565.7	48.6	15.1
65°	11171.5	9583.8	8212.1	7001.6	5921.8	4954.7	4087.8	3297.1	571.8	39.5	12.2
67.5°	10876.6	9349.6	7947.6	6740.0	5708.9	4756.9	3935.8	3175.3	568.7	27.3	9.1
70°	9726.8	8461.6	7229.7	6104.3	5167.5	4306.8	3583.0	2895.5	523.1	18.3	6.1
72.5°	7141.6	6280.7	5325.8	4513.7	3893.1	3233.2	2758.7	2174.6	404.5	12.2	3.0
75°	2116.8	1928.3	1621.1	1429.6	1262.2	1043.2	927.7	723.8	206.9	6.1	0.0
77.5°	422.8	383.3	343.7	313.2	295.0	252.5	240.3	197.6	85.1	3.0	0.0
80°	222.0	182.5	155.1	136.9	118.6	97.3	82.2	66.9	15.1	0.0	0.0
82.5°	213.0	143.0	103.4	85.1	73.0	57.8	45.6	33.4	9.1	0.0	0.0
85°	79.1	60.8	45.6	36.6	30.5	27.3	21.2	18.3	0.0	0.0	0.0
87.5°	12.2	9.1	9.1	6.1	6.1	3.0	3.0	3.0	0.0	0.0	0.0
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	544.5	520.1	507.9	492.8	492.8	489.6	495.7
5°	453.3	419.8	395.4	377.2	380.1	371.1	374.2
7.5°	383.3	349.8	328.4	316.4	313.2	310.3	310.3
10°	331.5	301.1	282.8	273.7	270.8	270.8	270.8
12.5°	295.0	264.7	249.3	243.2	243.2	240.3	240.3
15°	264.7	240.3	225.1	219.1	219.1	215.9	219.1
17.5°	240.3	215.9	203.7	197.6	197.6	194.7	194.7
20°	219.1	197.6	185.6	176.4	176.4	173.4	176.4
22.5°	200.8	179.5	164.2	158.1	155.1	152.0	155.1
25°	182.5	161.2	145.9	136.9	133.9	133.9	130.8
27.5°	167.3	145.9	127.8	118.6	115.6	115.6	112.5
30°	152.0	127.8	109.5	100.3	97.3	97.3	97.3
32.5°	136.9	109.5	94.2	85.1	82.2	82.2	82.2
35°	121.7	94.2	79.1	70.0	66.9	66.9	66.9
37.5°	103.4	79.1	60.8	54.7	51.7	48.6	48.6
40°	88.3	60.8	45.6	39.5	33.4	33.4	33.4
42.5°	73.0	48.6	33.4	24.4	21.2	18.3	21.2
45°	60.8	36.6	21.2	12.2	9.1	9.1	9.1
47.5°	48.6	24.4	9.1	3.0	3.0	3.0	3.0
50°	36.6	15.1	3.0	0.0	0.0	3.0	3.0
52.5°	27.3	9.1	0.0	0.0	0.0	0.0	0.0
55°	15.1	3.0	0.0	0.0	0.0	0.0	0.0
57.5°	9.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	6.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3.0	0.0	0.0	0.0	0.0	0.0	0.0
63°	3.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)