

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: P149108

Luminaire Tested: **AVM-E01-LED-E-U-RW-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149108  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVM-E01-LED-E-U-RW-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2636.6 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type V - Medium - Full Cutoff  
BUG Rating: B1 - U0 - G1

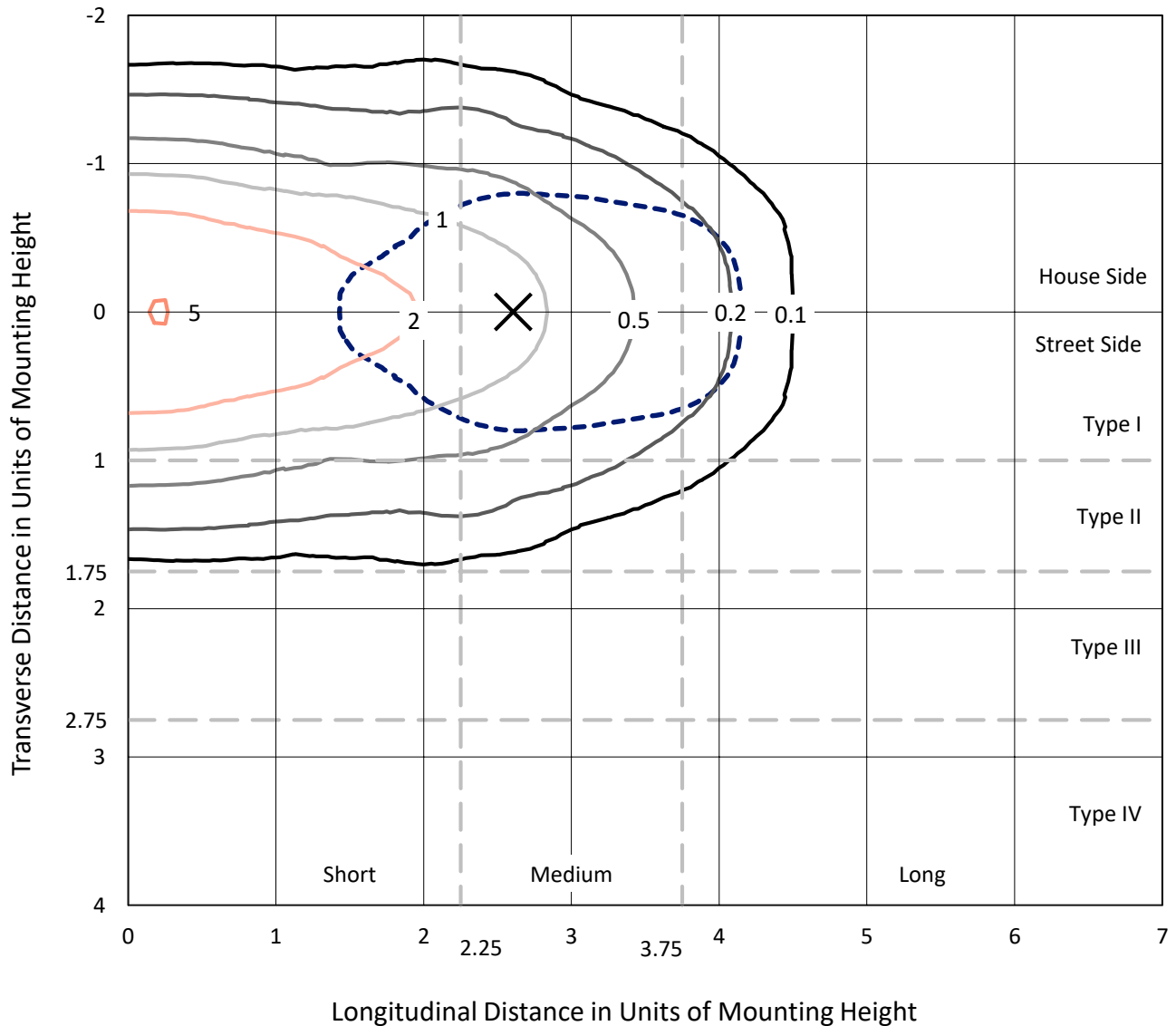
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

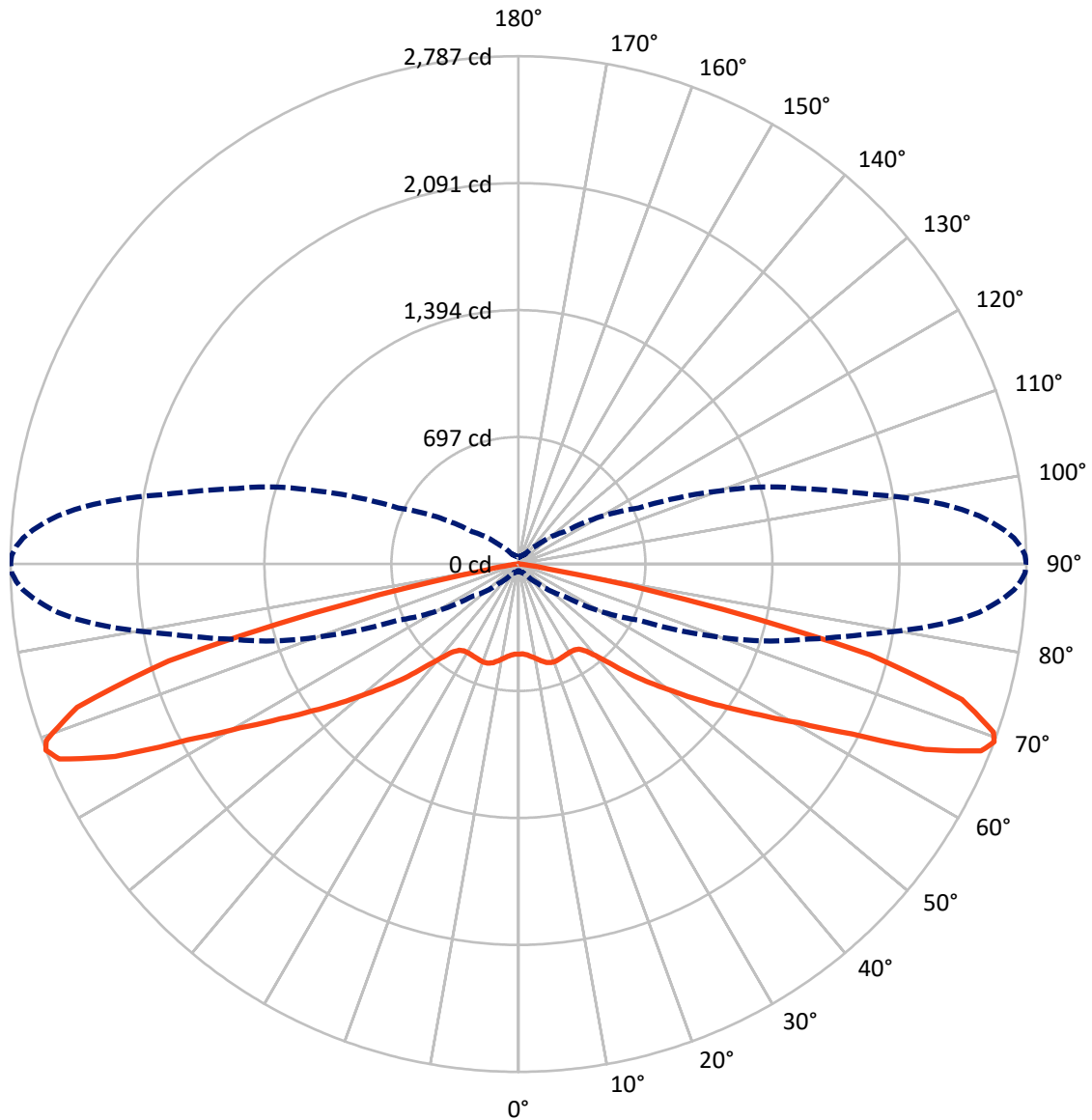
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Medium - 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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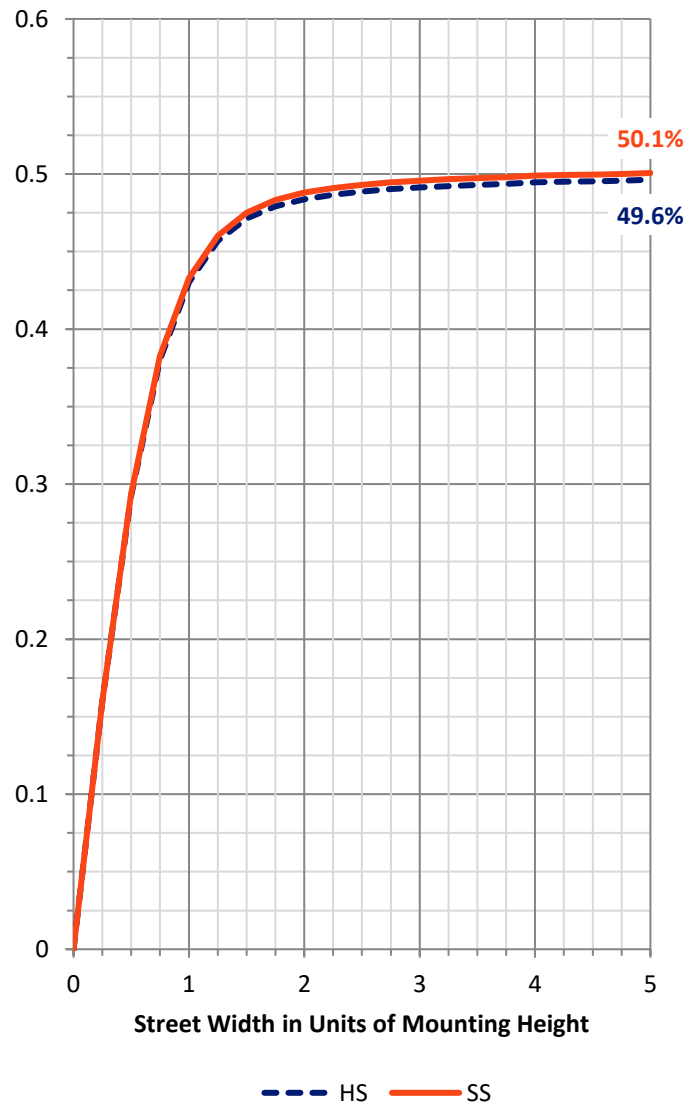
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1318.3	0.0	1318.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1318.3	0.0	1318.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2636.6	0.0	2636.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.5	1.8
10°-20°	152.9	5.8
20°-30°	247.7	9.4
30°-40°	308.6	11.7
40°-50°	385.7	14.6
50°-60°	476.2	18.1
60°-70°	591.7	22.4
70°-80°	392.8	14.9
80°-90°	32.4	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°	2636.6	100.0
0°-180°	2636.6	100.0



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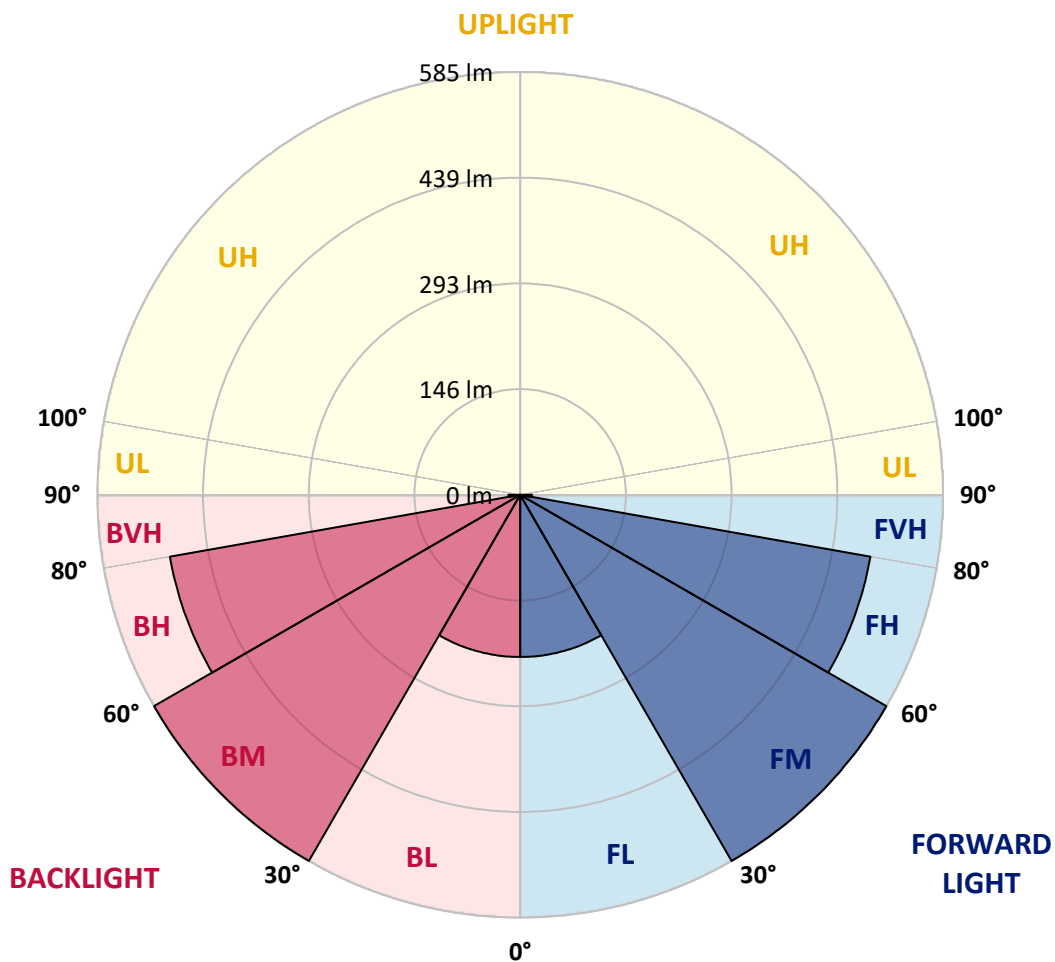
CATALOG NUMBER: AVM-E01-LED-E-U-RW-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.5	8.5			
FM	(30°-60°)	585.3	22.2			
FH	(60°-80°)	492.3	18.7			G0/660
FVH	(80°-90°)	16.2	0.6			G1/100
BL	(0°-30°)	224.5	8.5	B1/500		
BM	(30°-60°)	585.3	22.2	B1/1000		
BH	(60°-80°)	492.3	18.7	B1/500		G0/660
BVH	(80°-90°)	16.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0
2.5°	496.3	496.7	496.4	497.0	496.8	496.8	496.6	496.0	495.9	495.8	495.8
5°	501.0	500.5	501.4	502.2	501.9	502.0	501.9	501.9	501.8	501.8	501.7
7.5°	506.2	506.0	506.5	508.8	509.1	510.0	510.9	511.6	511.6	511.6	511.7
10°	510.4	510.6	512.0	515.2	517.0	519.6	522.3	524.4	524.6	524.7	524.9
12.5°	514.0	514.2	516.2	521.3	525.4	530.4	536.2	539.4	539.7	540.0	540.3
15°	514.2	514.7	518.4	526.7	534.8	543.1	550.0	554.3	554.6	554.8	555.0
17.5°	510.6	510.9	517.0	529.3	543.0	555.9	563.1	565.0	565.1	565.2	565.3
20°	501.0	501.8	510.5	528.6	549.4	566.3	573.8	571.1	570.8	570.6	570.3
22.5°	485.6	485.4	496.8	521.3	550.7	574.4	581.1	574.0	573.2	572.4	571.6
25°	460.6	462.2	475.6	504.8	543.6	576.3	586.3	575.6	574.4	573.2	572.0
27.5°	433.4	434.4	448.6	480.0	526.8	570.0	588.8	578.7	577.4	576.0	574.7
30°	401.8	403.0	418.2	451.0	499.9	553.7	588.1	585.8	584.2	582.6	581.1
32.5°	370.8	372.2	385.8	421.7	471.6	531.3	583.9	595.7	594.1	592.5	590.9
35°	338.7	340.8	357.5	393.7	444.4	506.4	577.4	608.5	607.6	606.7	605.9
37.5°	312.1	312.5	328.6	366.7	419.0	482.6	568.8	624.7	625.3	626.0	626.6
40°	282.4	285.2	301.2	341.4	396.2	462.5	560.7	646.6	650.0	653.4	656.7
42.5°	255.8	256.2	272.5	314.0	371.2	446.3	556.2	673.0	680.2	687.4	694.6
45°	227.8	229.0	243.8	283.8	342.6	427.2	556.0	703.6	715.1	726.6	738.0
47.5°	201.4	201.8	217.4	254.8	309.6	400.4	555.0	736.4	752.0	767.6	783.3
50°	176.1	175.7	191.0	226.9	277.2	365.4	546.4	773.5	793.2	813.0	832.7
52.5°	147.2	149.1	165.0	199.3	247.6	329.8	521.4	814.2	837.8	861.4	885.0
55°	118.7	119.6	136.6	168.6	217.6	296.7	477.8	851.6	879.4	907.2	935.1
57.5°	87.5	90.1	105.0	136.6	187.2	268.7	422.4	871.0	904.9	938.7	972.6
60°	61.8	63.7	76.9	103.5	153.9	239.3	374.8	860.2	904.2	948.2	992.2
62.5°	48.1	49.6	60.2	77.5	120.0	209.8	340.5	825.1	885.0	944.8	1004.7
65°	42.2	43.6	53.2	62.0	89.6	179.9	321.8	788.2	867.3	946.4	1025.6
67.5°	38.2	39.8	48.1	54.3	73.0	157.0	317.0	764.8	854.4	944.1	1033.7
69°	36.3	38.0	45.4	50.7	67.8	148.8	308.5	728.1	817.2	906.3	995.4
70°	35.2	36.6	43.4	48.8	66.1	143.2	294.4	682.2	769.7	857.2	944.7
72.5°	32.7	33.3	39.4	44.6	61.4	115.8	226.4	506.7	582.6	658.4	734.3
75°	28.8	29.7	35.3	40.3	47.8	71.9	143.4	313.4	370.0	426.7	483.3
77.5°	24.9	25.6	30.6	38.6	37.1	44.9	85.6	174.4	207.3	240.1	273.0
80°	20.0	20.8	25.2	38.3	30.6	34.9	61.6	122.0	130.8	139.7	148.5
82.5°	14.6	15.4	19.7	30.9	23.5	26.3	47.0	103.4	106.5	109.6	112.7
85°	7.4	7.6	12.6	18.8	14.9	13.6	26.4	70.8	72.7	74.7	76.7
87.5°	1.2	1.2	2.8	3.2	3.7	2.2	3.4	12.1	12.5	12.9	13.2
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0
2.5°	495.7	495.6	495.4	495.5	495.6	495.6	495.7	495.7	495.9	495.4	495.3
5°	501.7	501.6	501.6	501.6	501.7	501.7	501.8	502.0	502.0	501.6	501.5
7.5°	511.7	511.7	511.8	511.7	512.0	511.9	511.6	512.0	512.3	512.4	512.7
10°	525.0	525.2	525.7	525.6	526.1	526.0	526.1	526.6	526.9	527.0	527.3
12.5°	540.6	540.8	541.1	541.3	541.9	541.6	542.2	542.5	543.0	543.8	543.4
15°	555.3	555.5	556.2	556.3	556.8	557.0	557.6	557.8	558.0	558.7	558.8
17.5°	565.4	565.4	565.7	565.6	566.0	565.9	566.3	566.5	566.9	567.3	567.9
20°	570.0	569.8	569.6	569.5	569.2	568.7	568.8	569.1	569.1	569.4	569.9
22.5°	570.7	569.9	569.0	568.5	567.6	566.9	566.2	566.2	566.3	566.2	566.5
25°	570.8	569.6	568.3	566.7	565.4	563.8	562.5	562.4	562.0	562.0	562.2
27.5°	573.3	572.0	570.1	568.3	565.7	563.6	561.4	560.7	559.9	559.4	559.2
30°	579.5	577.9	575.7	573.3	570.5	567.1	564.0	563.1	562.0	561.1	560.2
32.5°	589.3	587.7	585.2	582.7	579.0	575.7	572.6	571.1	569.5	567.9	566.3
35°	605.0	604.1	601.9	599.7	597.0	594.4	591.6	589.9	587.3	586.0	584.1
37.5°	627.3	627.9	627.9	628.2	627.4	626.1	624.1	622.3	621.5	617.9	615.7
40°	660.1	663.5	666.6	668.9	671.0	673.1	674.9	673.8	674.2	673.2	671.9
42.5°	701.8	709.0	715.6	722.2	726.9	734.3	739.4	741.1	745.2	746.9	749.9
45°	749.5	761.0	772.0	782.2	791.7	802.3	812.6	820.3	828.7	838.2	847.7
47.5°	798.9	814.5	830.8	844.1	857.8	873.5	887.2	898.7	913.8	927.8	943.2
50°	852.5	872.2	890.7	907.1	924.7	942.8	961.6	978.6	999.0	1021.3	1045.4
52.5°	908.6	932.2	953.6	974.2	994.9	1015.6	1035.6	1059.6	1084.7	1114.2	1144.4
55°	962.9	990.7	1015.0	1037.8	1061.6	1084.7	1105.4	1137.5	1168.3	1203.5	1242.9
57.5°	1006.4	1040.3	1068.3	1095.4	1122.2	1146.8	1172.2	1208.4	1247.6	1288.8	1338.8
60°	1036.2	1080.2	1115.9	1148.6	1181.4	1212.3	1241.5	1288.8	1335.6	1386.7	1448.9
62.5°	1064.6	1124.4	1171.1	1215.6	1259.9	1299.6	1335.9	1395.4	1456.5	1519.7	1593.7
65°	1104.7	1183.8	1252.5	1314.6	1375.8	1434.3	1488.5	1563.9	1641.1	1724.2	1812.6
67.5°	1123.3	1213.0	1302.4	1386.1	1463.9	1537.9	1607.5	1698.7	1789.4	1885.9	1992.6
69°	1084.5	1173.6	1269.3	1360.7	1446.6	1525.1	1600.5	1693.6	1787.9	1886.4	1994.1
70°	1032.2	1119.8	1216.3	1311.9	1394.1	1475.8	1553.9	1646.3	1741.9	1840.6	1953.4
72.5°	810.1	886.0	980.1	1072.9	1155.3	1237.4	1313.2	1407.8	1504.0	1607.7	1714.4
75°	539.9	596.6	666.7	752.8	828.3	900.9	974.4	1054.3	1148.2	1233.7	1331.4
77.5°	305.8	338.6	379.4	435.3	489.6	533.0	585.4	623.0	677.6	724.6	774.3
80°	157.4	166.2	178.4	191.8	199.5	198.3	206.1	198.4	200.1	193.8	187.1
82.5°	115.7	118.8	124.3	127.0	126.7	117.9	108.4	95.4	83.9	71.8	60.7
85°	78.6	80.6	82.0	84.1	83.4	79.6	71.2	59.8	48.8	39.1	31.3
87.5°	13.6	14.0	13.9	15.0	15.1	14.0	11.5	9.9	8.3	6.2	4.3
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°	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0	494.0
2.5°	495.2	495.1	495.4	495.2	495.2	495.2	495.0	495.2	495.1	494.8	494.3
5°	501.6	501.2	501.0	501.4	501.6	501.0	501.5	501.9	501.2	501.3	501.0
7.5°	512.4	512.3	512.2	512.4	512.4	512.3	512.4	512.0	511.8	512.2	512.6
10°	527.0	526.8	527.0	527.1	527.6	527.3	527.2	527.6	527.4	527.1	527.2
12.5°	544.0	543.5	544.2	544.2	544.7	544.7	544.6	544.6	544.6	544.0	543.8
15°	559.2	558.6	558.7	559.8	559.7	560.0	560.0	559.7	559.6	559.4	559.6
17.5°	568.3	568.0	568.0	568.6	569.0	568.8	568.8	568.8	568.7	568.8	569.1
20°	570.0	570.0	570.1	570.6	571.4	571.0	571.0	571.2	571.0	571.2	571.4
22.5°	566.7	567.0	567.3	568.0	568.2	568.2	568.2	568.3	568.6	568.6	568.8
25°	562.2	562.5	563.0	563.5	564.0	564.1	564.0	564.4	564.3	564.5	564.6
27.5°	558.8	559.2	559.6	560.2	560.8	560.8	560.8	561.1	561.1	561.2	561.5
30°	559.3	558.8	559.2	559.4	559.8	559.8	559.7	559.8	560.0	560.0	560.1
32.5°	565.3	564.0	563.6	563.5	563.6	563.2	563.1	562.8	562.6	562.5	562.4
35°	581.3	579.4	579.3	578.1	577.0	575.9	576.0	575.2	575.4	574.8	574.2
37.5°	614.3	612.0	613.4	611.0	609.5	608.4	607.2	605.4	604.4	605.7	605.7
40°	673.2	671.7	671.2	671.6	670.3	671.0	667.9	667.0	665.2	666.4	668.2
42.5°	754.6	753.7	759.0	760.0	760.6	761.4	762.0	757.3	757.2	756.2	753.4
45°	855.2	861.2	860.9	867.4	867.6	865.6	866.5	864.4	863.6	860.4	864.2
47.5°	958.6	969.9	974.1	975.6	980.9	982.2	977.0	975.4	978.4	973.2	974.0
50°	1069.6	1081.8	1091.6	1098.2	1101.9	1102.2	1098.4	1097.6	1100.3	1090.7	1095.2
52.5°	1178.8	1197.0	1215.6	1225.4	1232.5	1233.1	1236.0	1232.5	1233.9	1231.6	1236.2
55°	1286.4	1318.0	1339.8	1359.2	1371.4	1381.9	1382.9	1386.7	1387.0	1391.6	1387.0
57.5°	1391.6	1426.1	1464.1	1498.2	1517.2	1529.2	1540.4	1555.8	1559.2	1557.3	1560.3
60°	1515.8	1569.2	1620.8	1660.2	1692.9	1724.2	1741.2	1765.2	1769.0	1779.4	1770.4
62.5°	1672.8	1750.2	1820.2	1873.2	1923.0	1971.8	2008.7	2027.3	2038.5	2060.3	2053.1
65°	1913.6	2006.4	2099.2	2175.1	2244.8	2303.0	2359.0	2385.7	2415.2	2446.2	2451.8
67.5°	2112.0	2226.9	2331.4	2424.0	2508.4	2573.0	2631.3	2677.6	2713.6	2736.4	2738.2
69°	2121.0	2240.4	2353.9	2453.2	2541.4	2610.0	2671.4	2722.8	2757.9	2781.2	2787.4
70°	2077.9	2200.1	2321.1	2421.4	2511.7	2581.9	2646.9	2696.0	2735.1	2758.8	2767.2
72.5°	1835.8	1966.4	2095.6	2183.5	2275.8	2359.4	2411.4	2461.5	2516.6	2523.8	2546.6
75°	1447.2	1556.9	1657.2	1724.4	1801.5	1876.4	1927.5	1940.8	1969.6	2005.8	1992.9
77.5°	838.6	872.4	937.1	953.8	939.6	972.2	983.2	960.0	958.9	980.2	938.0
80°	185.8	175.2	188.5	178.6	178.9	179.2	176.3	175.1	177.2	175.1	172.2
82.5°	51.4	49.8	50.0	49.6	50.5	49.8	49.3	50.5	50.4	50.2	51.2
85°	24.8	24.5	24.0	23.9	23.4	22.6	21.5	21.5	22.1	21.2	21.7
87.5°	3.2	3.1	3.1	3.7	3.2	2.6	2.6	2.6	2.6	2.6	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)