

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: P149109

Luminaire Tested: **AVM-E01-LED-E-U-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149109
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-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2853.2 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - U0 - G1

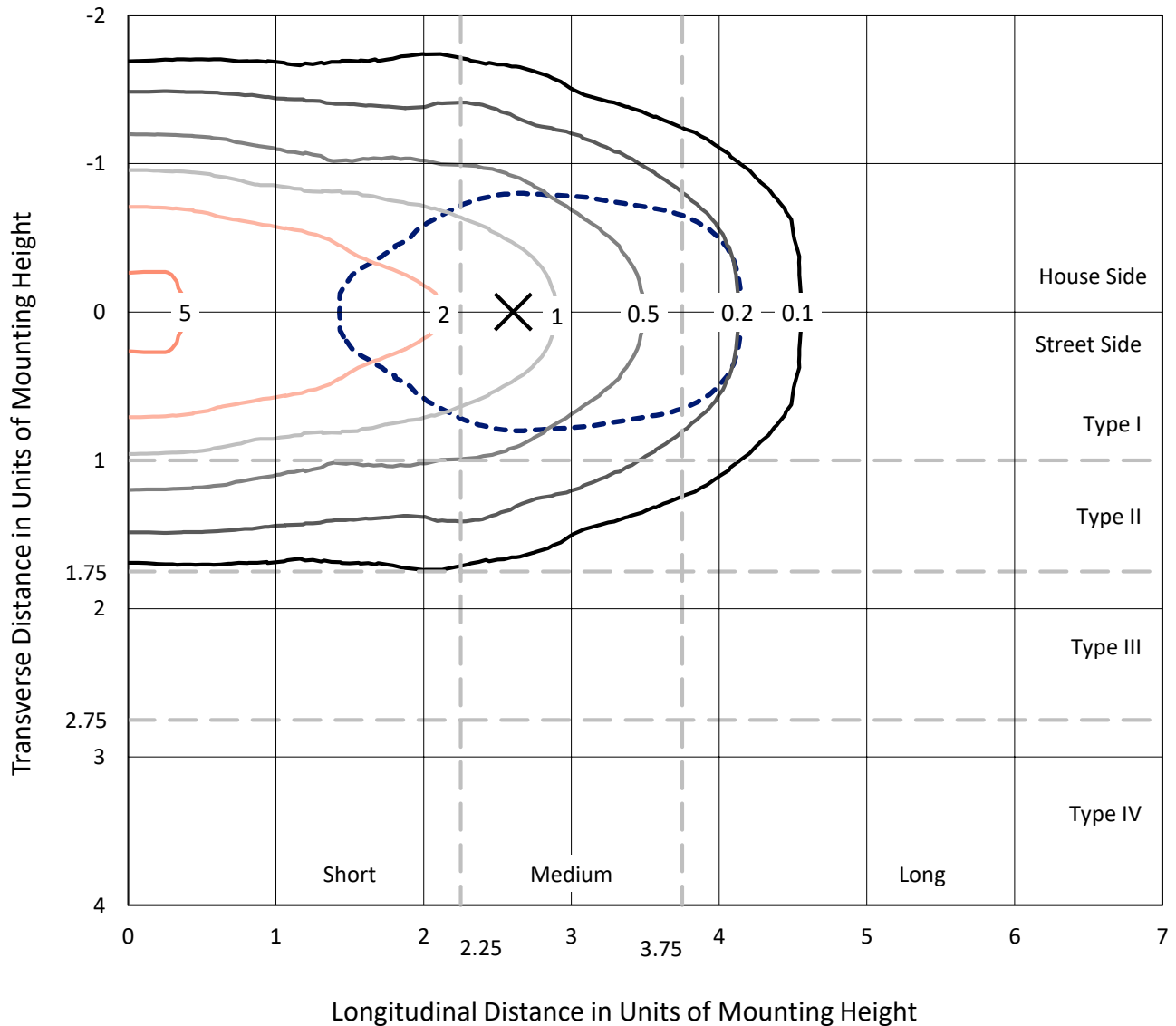
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

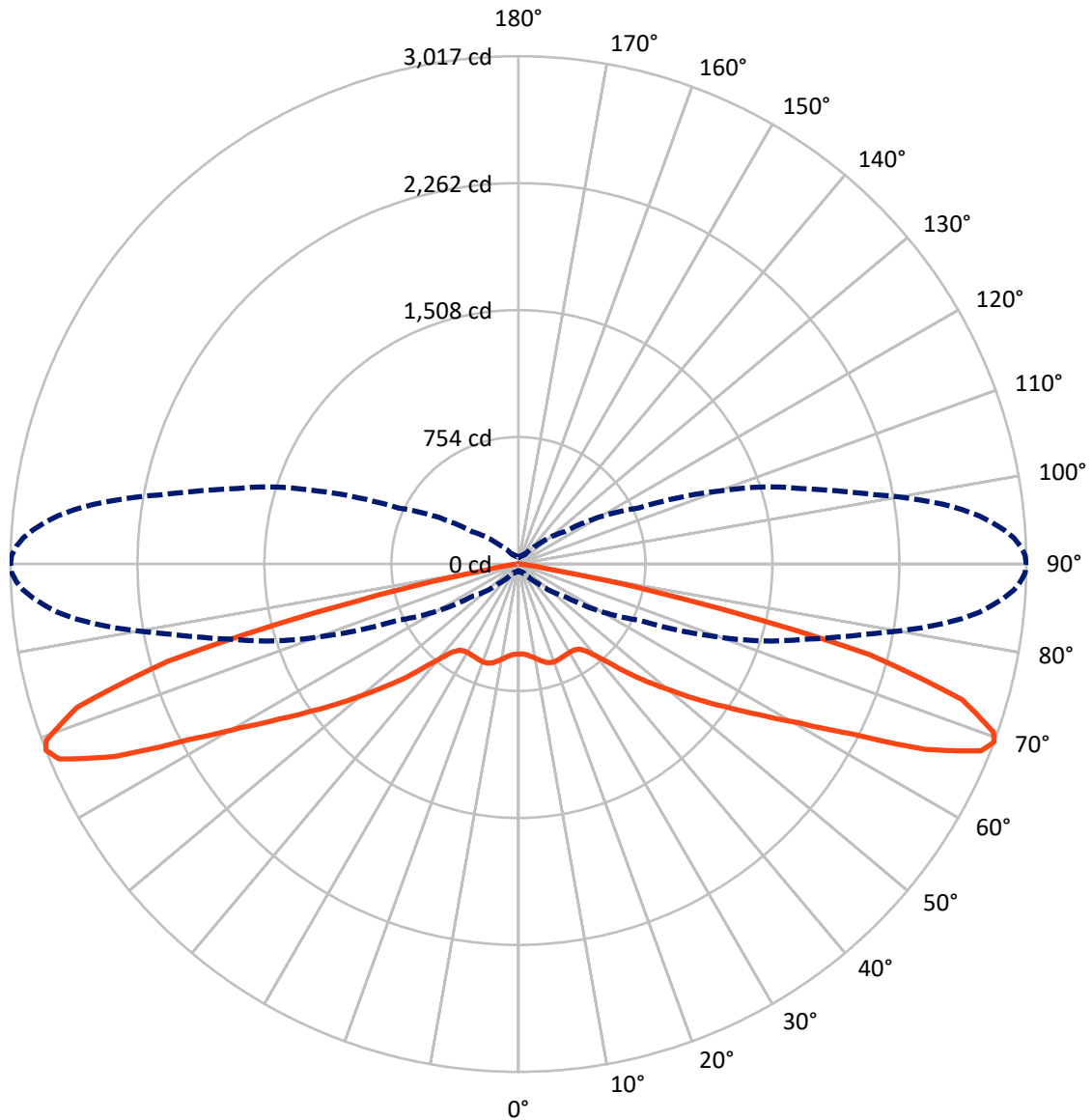
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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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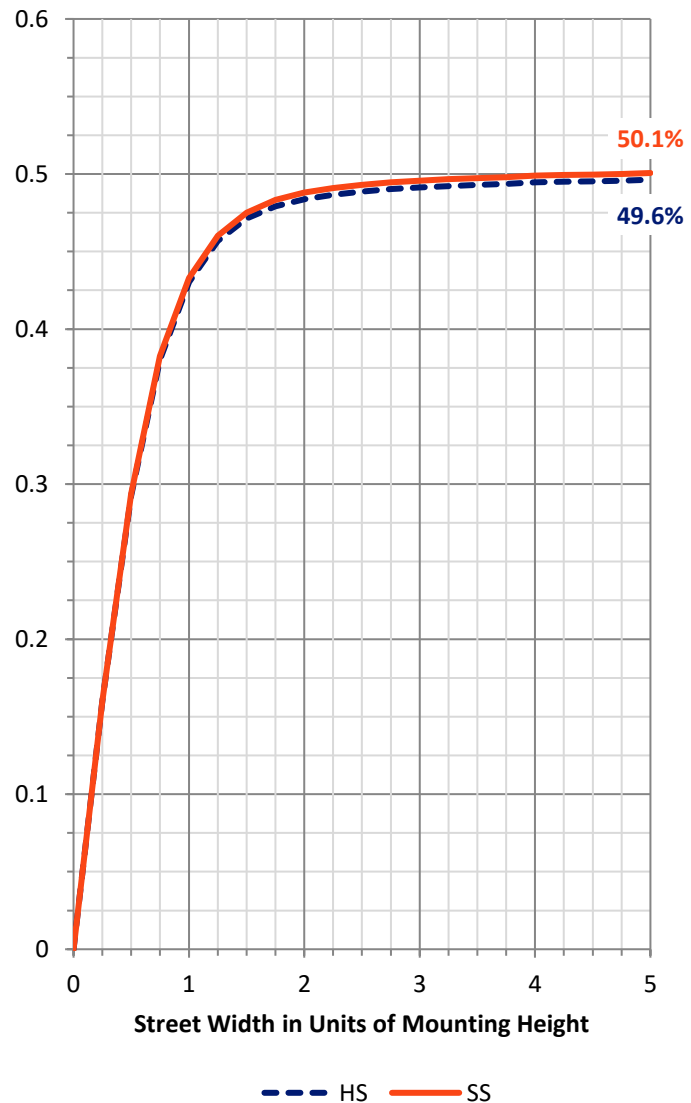
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1426.6	0.0	1426.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1426.6	0.0	1426.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2853.2	0.0	2853.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	1.8
10°-20°	165.4	5.8
20°-30°	268.0	9.4
30°-40°	334.0	11.7
40°-50°	417.4	14.6
50°-60°	515.4	18.1
60°-70°	640.4	22.4
70°-80°	425.1	14.9
80°-90°	35.1	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°	2853.2	100.0
0°-180°	2853.2	100.0



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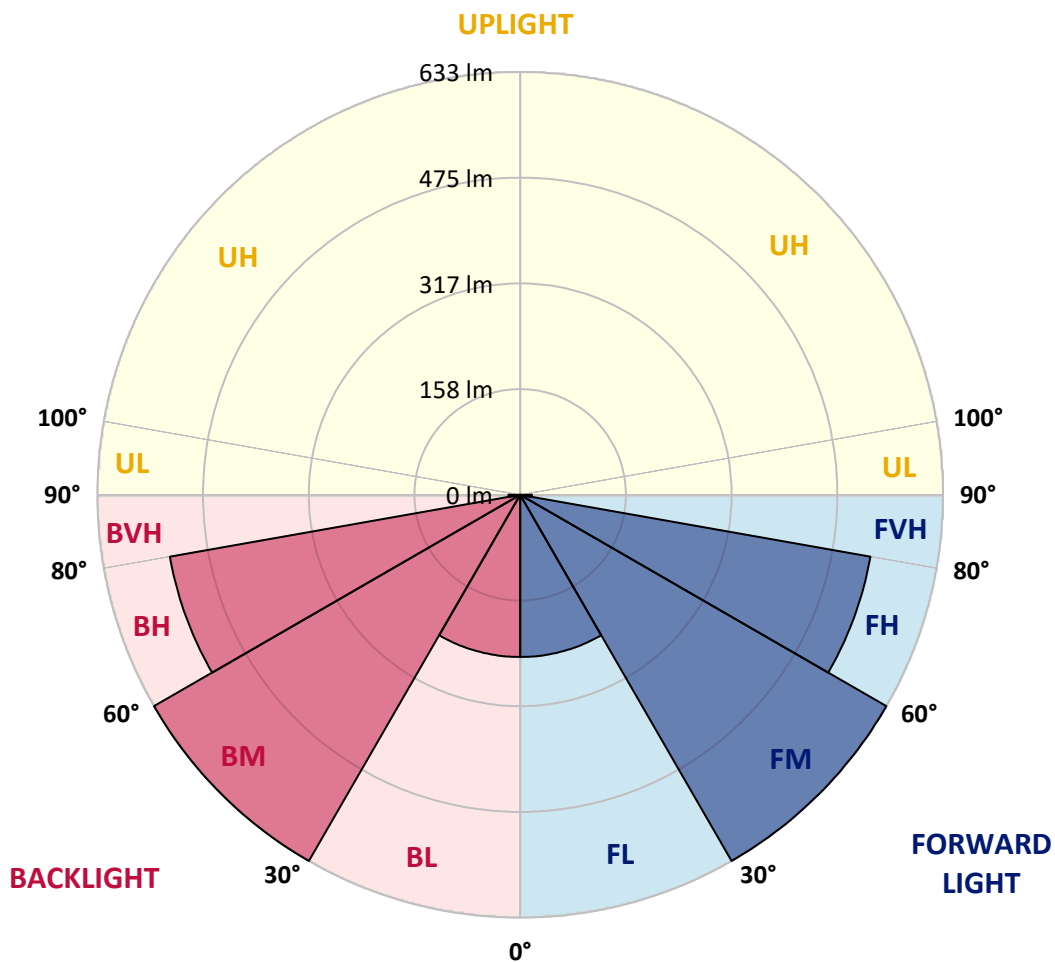
CATALOG NUMBER: AVM-E01-LED-E-U-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.9	8.5			
FM	(30°-60°)	633.4	22.2			
FH	(60°-80°)	532.8	18.7			G0/660
FVH	(80°-90°)	17.5	0.6			G1/100
BL	(0°-30°)	242.9	8.5	B1/500		
BM	(30°-60°)	633.4	22.2	B1/1000		
BH	(60°-80°)	532.8	18.7	B2/1000		G0/660
BVH	(80°-90°)	17.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
2.5°	537.0	537.5	537.2	537.8	537.6	537.7	537.3	536.8	536.7	536.6	536.5
5°	542.2	541.6	542.5	543.4	543.2	543.3	543.2	543.1	543.0	543.0	542.9
7.5°	547.7	547.6	548.2	550.6	550.9	551.8	552.8	553.6	553.7	553.7	553.7
10°	552.4	552.6	554.1	557.6	559.4	562.3	565.2	567.5	567.7	567.8	568.0
12.5°	556.2	556.4	558.7	564.2	568.6	574.0	580.2	583.8	584.1	584.4	584.7
15°	556.5	557.0	561.0	570.0	578.8	587.8	595.2	600.0	600.2	600.4	600.7
17.5°	552.6	552.9	559.6	572.8	587.6	601.6	609.4	611.5	611.6	611.7	611.8
20°	542.2	543.0	552.4	572.0	594.6	612.8	621.0	618.0	617.8	617.5	617.2
22.5°	525.5	525.4	537.7	564.1	596.0	621.7	628.8	621.2	620.3	619.4	618.5
25°	498.4	500.2	514.6	546.4	588.2	623.7	634.4	622.9	621.6	620.3	619.0
27.5°	469.0	470.0	485.4	519.4	570.0	616.8	637.2	626.2	624.8	623.4	621.9
30°	434.8	436.1	452.6	488.0	541.0	599.2	636.4	633.8	632.2	630.5	628.8
32.5°	401.2	402.8	417.6	456.4	510.4	575.0	631.8	644.7	643.0	641.2	639.5
35°	366.6	368.8	386.8	426.1	480.9	548.0	624.8	658.5	657.5	656.6	655.6
37.5°	337.8	338.2	355.6	396.8	453.5	522.3	615.6	676.0	676.7	677.4	678.1
40°	305.6	308.6	325.9	369.5	428.6	500.6	606.8	699.8	703.4	707.1	710.7
42.5°	276.9	277.2	294.8	339.8	401.8	483.0	601.9	728.4	736.2	744.0	751.7
45°	246.6	247.8	263.8	307.2	370.7	462.3	601.8	761.4	773.9	786.3	798.7
47.5°	218.0	218.4	235.4	275.7	335.0	433.4	600.7	796.9	813.8	830.7	847.6
50°	190.6	190.2	206.7	245.6	299.9	395.5	591.4	837.1	858.5	879.8	901.2
52.5°	159.2	161.4	178.5	215.7	268.0	357.0	564.3	881.0	906.6	932.1	957.7
55°	128.5	129.4	147.8	182.5	235.5	321.0	517.1	921.6	951.7	981.8	1011.9
57.5°	94.7	97.4	113.6	147.8	202.6	290.8	457.2	942.6	979.2	1015.8	1052.5
60°	66.8	68.9	83.3	112.0	166.5	258.9	405.5	930.8	978.5	1026.1	1073.7
62.5°	52.0	53.8	65.2	83.9	129.8	227.1	368.5	893.0	957.7	1022.5	1087.3
65°	45.7	47.2	57.5	67.1	97.0	194.7	348.3	852.9	938.5	1024.2	1109.8
67.5°	41.2	43.1	52.1	58.8	79.0	169.8	343.0	827.6	924.6	1021.6	1118.6
69°	39.3	41.1	49.2	54.8	73.4	161.1	333.8	787.9	884.3	980.8	1077.2
70°	38.1	39.6	47.0	52.8	71.6	155.0	318.6	738.3	833.0	927.7	1022.4
72.5°	35.3	36.0	42.6	48.2	66.4	125.3	245.0	548.3	630.4	712.5	794.6
75°	31.2	32.2	38.2	43.7	51.8	77.8	155.1	339.2	400.5	461.8	523.0
77.5°	27.0	27.7	33.0	41.7	40.2	48.6	92.7	188.8	224.3	259.9	295.4
80°	21.6	22.5	27.2	41.4	33.2	37.8	66.7	132.0	141.6	151.2	160.8
82.5°	15.8	16.6	21.3	33.4	25.5	28.4	50.8	111.9	115.2	118.6	121.9
85°	8.0	8.2	13.6	20.4	16.2	14.8	28.6	76.6	78.7	80.8	83.0
87.5°	1.4	1.4	3.0	3.5	4.0	2.4	3.6	13.1	13.5	13.9	14.3
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
2.5°	536.4	536.4	536.1	536.2	536.4	536.3	536.4	536.5	536.7	536.1	536.0
5°	542.9	542.8	542.8	542.8	542.9	542.9	543.0	543.2	543.2	542.8	542.8
7.5°	553.8	553.8	554.0	553.8	554.1	554.0	553.6	554.1	554.5	554.5	554.9
10°	568.2	568.3	568.8	568.8	569.3	569.2	569.3	569.8	570.2	570.3	570.6
12.5°	585.0	585.3	585.6	585.9	586.4	586.1	586.8	587.2	587.6	588.5	588.0
15°	600.9	601.2	602.0	602.1	602.6	602.8	603.4	603.7	603.8	604.6	604.7
17.5°	611.8	611.9	612.2	612.1	612.5	612.4	612.8	613.1	613.5	613.9	614.6
20°	616.9	616.6	616.4	616.3	616.0	615.5	615.6	615.8	615.9	616.2	616.7
22.5°	617.6	616.7	615.8	615.2	614.2	613.5	612.7	612.8	612.8	612.7	613.1
25°	617.7	616.4	615.0	613.2	611.9	610.2	608.8	608.6	608.2	608.2	608.4
27.5°	620.4	619.0	617.0	615.0	612.2	609.8	607.6	606.7	605.9	605.3	605.2
30°	627.1	625.4	623.0	620.4	617.4	613.8	610.4	609.4	608.2	607.2	606.3
32.5°	637.7	636.0	633.3	630.7	626.6	623.0	619.7	618.1	616.4	614.5	612.8
35°	654.7	653.7	651.4	649.0	646.1	643.2	640.2	638.4	635.6	634.2	632.1
37.5°	678.8	679.5	679.6	679.8	678.9	677.6	675.4	673.4	672.5	668.7	666.3
40°	714.3	718.0	721.3	723.9	726.1	728.4	730.4	729.2	729.6	728.6	727.1
42.5°	759.5	767.3	774.4	781.5	786.6	794.7	800.2	802.0	806.5	808.3	811.6
45°	811.1	823.6	835.5	846.5	856.8	868.3	879.4	887.7	896.8	907.1	917.4
47.5°	864.6	881.5	899.0	913.4	928.3	945.3	960.1	972.6	988.9	1004.0	1020.6
50°	922.5	943.9	963.9	981.7	1000.7	1020.3	1040.6	1059.0	1081.1	1105.2	1131.4
52.5°	983.2	1008.8	1031.9	1054.2	1076.6	1099.0	1120.7	1146.7	1173.8	1205.7	1238.4
55°	1042.0	1072.1	1098.4	1123.1	1148.8	1173.9	1196.2	1230.9	1264.3	1302.3	1345.0
57.5°	1089.1	1125.8	1156.1	1185.5	1214.4	1241.1	1268.5	1307.7	1350.2	1394.7	1448.8
60°	1121.3	1168.9	1207.6	1243.0	1278.5	1312.0	1343.6	1394.7	1445.3	1500.7	1568.0
62.5°	1152.1	1216.9	1267.3	1315.5	1363.4	1406.5	1445.6	1510.1	1576.2	1644.6	1724.7
65°	1195.5	1281.1	1355.5	1422.7	1488.9	1552.1	1610.8	1692.5	1775.9	1865.9	1961.5
67.5°	1215.6	1312.6	1409.4	1500.0	1584.2	1664.3	1739.6	1838.3	1936.5	2040.8	2156.4
69°	1173.6	1270.1	1373.6	1472.5	1565.5	1650.4	1732.0	1832.8	1934.9	2041.4	2158.0
70°	1117.1	1211.8	1316.3	1419.7	1508.6	1597.1	1681.6	1781.6	1885.0	1991.9	2113.9
72.5°	876.7	958.8	1060.7	1161.0	1250.3	1339.1	1421.2	1523.5	1627.6	1739.8	1855.3
75°	584.3	645.6	721.5	814.6	896.4	974.9	1054.5	1141.0	1242.6	1335.1	1440.8
77.5°	331.0	366.5	410.6	471.1	529.9	576.8	633.6	674.3	733.2	784.1	837.9
80°	170.3	179.9	193.1	207.6	215.9	214.6	223.0	214.7	216.5	209.7	202.4
82.5°	125.2	128.5	134.5	137.4	137.1	127.5	117.4	103.2	90.8	77.7	65.7
85°	85.1	87.2	88.7	91.0	90.3	86.2	77.1	64.8	52.8	42.4	33.9
87.5°	14.7	15.2	15.0	16.3	16.3	15.2	12.4	10.6	9.0	6.7	4.7
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°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
2.5°	535.8	535.8	536.2	535.8	535.8	535.8	535.7	536.0	535.8	535.4	534.9
5°	542.8	542.4	542.2	542.6	542.8	542.2	542.6	543.1	542.4	542.5	542.2
7.5°	554.6	554.4	554.2	554.6	554.6	554.4	554.6	554.1	553.8	554.2	554.7
10°	570.2	570.1	570.4	570.4	571.0	570.7	570.6	571.0	570.7	570.4	570.5
12.5°	588.6	588.2	589.0	589.0	589.4	589.4	589.2	589.4	589.2	588.8	588.5
15°	605.1	604.5	604.7	605.8	605.7	606.0	606.0	605.7	605.6	605.4	605.6
17.5°	615.0	614.7	614.7	615.3	615.8	615.6	615.6	615.6	615.4	615.6	615.9
20°	616.8	616.8	617.0	617.6	618.4	617.9	617.9	618.2	617.8	618.2	618.3
22.5°	613.3	613.6	613.9	614.6	614.8	614.8	614.8	615.0	615.3	615.3	615.6
25°	608.4	608.8	609.2	609.8	610.4	610.4	610.4	610.8	610.8	610.8	611.0
27.5°	604.8	605.1	605.6	606.2	607.0	607.0	607.0	607.2	607.2	607.4	607.7
30°	605.2	604.6	605.1	605.4	605.8	605.9	605.8	605.8	606.0	606.0	606.2
32.5°	611.8	610.4	610.0	609.8	610.0	609.6	609.3	609.0	608.7	608.8	608.6
35°	629.2	627.0	626.8	625.6	624.4	623.2	623.4	622.4	622.8	622.0	621.4
37.5°	664.8	662.3	663.8	661.2	659.6	658.4	657.0	655.2	654.1	655.5	655.5
40°	728.6	726.8	726.4	726.9	725.4	726.1	722.8	721.8	719.8	721.2	723.1
42.5°	816.7	815.6	821.4	822.4	823.1	824.0	824.6	819.6	819.4	818.4	815.3
45°	925.5	931.9	931.6	938.6	938.9	936.8	937.7	935.4	934.5	931.2	935.3
47.5°	1037.4	1049.6	1054.2	1055.7	1061.5	1062.8	1057.4	1055.6	1058.8	1053.2	1054.0
50°	1157.5	1170.6	1181.2	1188.4	1192.5	1192.8	1188.8	1187.8	1190.7	1180.4	1185.2
52.5°	1275.6	1295.4	1315.6	1326.2	1333.8	1334.4	1337.6	1333.8	1335.3	1332.8	1337.8
55°	1392.1	1426.4	1450.0	1470.8	1484.0	1495.4	1496.5	1500.6	1500.9	1505.9	1500.9
57.5°	1505.9	1543.2	1584.4	1621.4	1641.9	1654.8	1667.0	1683.6	1687.2	1685.3	1688.5
60°	1640.4	1698.1	1754.0	1796.6	1832.0	1866.0	1884.2	1910.3	1914.4	1925.6	1915.9
62.5°	1810.2	1894.0	1969.8	2027.2	2081.0	2133.9	2173.8	2193.8	2206.0	2229.6	2221.9
65°	2070.8	2171.4	2271.6	2353.8	2429.4	2492.2	2552.8	2581.8	2613.7	2647.2	2653.3
67.5°	2285.5	2409.9	2523.0	2623.2	2714.6	2784.5	2847.6	2897.6	2936.5	2961.2	2963.2
69°	2295.2	2424.5	2547.3	2654.8	2750.2	2824.6	2890.9	2946.6	2984.5	3009.8	3016.5
70°	2248.6	2381.0	2511.8	2620.4	2718.1	2794.1	2864.4	2917.6	2959.9	2985.6	2994.6
72.5°	1986.7	2128.0	2267.8	2363.0	2462.8	2553.3	2609.6	2663.8	2723.5	2731.2	2755.9
75°	1566.1	1684.8	1793.4	1866.2	1949.6	2030.6	2086.0	2100.2	2131.4	2170.8	2156.7
77.5°	907.6	944.1	1014.1	1032.1	1016.9	1052.2	1063.9	1039.0	1037.8	1060.8	1015.0
80°	201.1	189.6	204.0	193.4	193.6	193.9	190.7	189.5	191.8	189.5	186.3
82.5°	55.7	53.8	54.2	53.6	54.6	53.9	53.4	54.6	54.5	54.4	55.4
85°	26.8	26.4	26.0	25.9	25.3	24.5	23.3	23.2	23.9	23.0	23.4
87.5°	3.5	3.4	3.4	4.0	3.5	2.8	2.8	2.8	2.7	2.7	2.7
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)