

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: INVUE

Report Number: P180267

Luminaire Tested: **ICM-E02-LED-E1-RW-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180267  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E02-LED-E1-RW-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5308.4 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

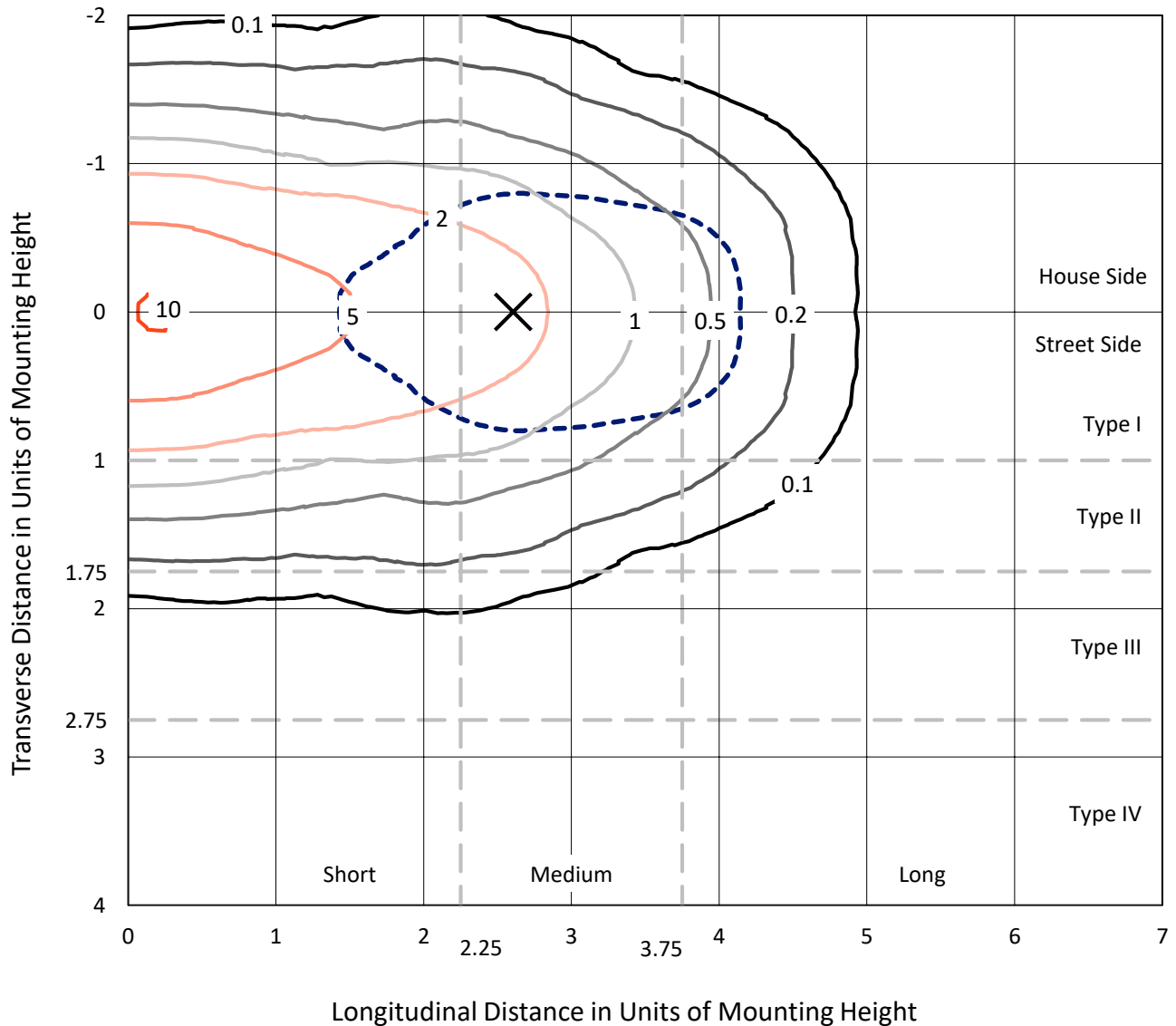
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

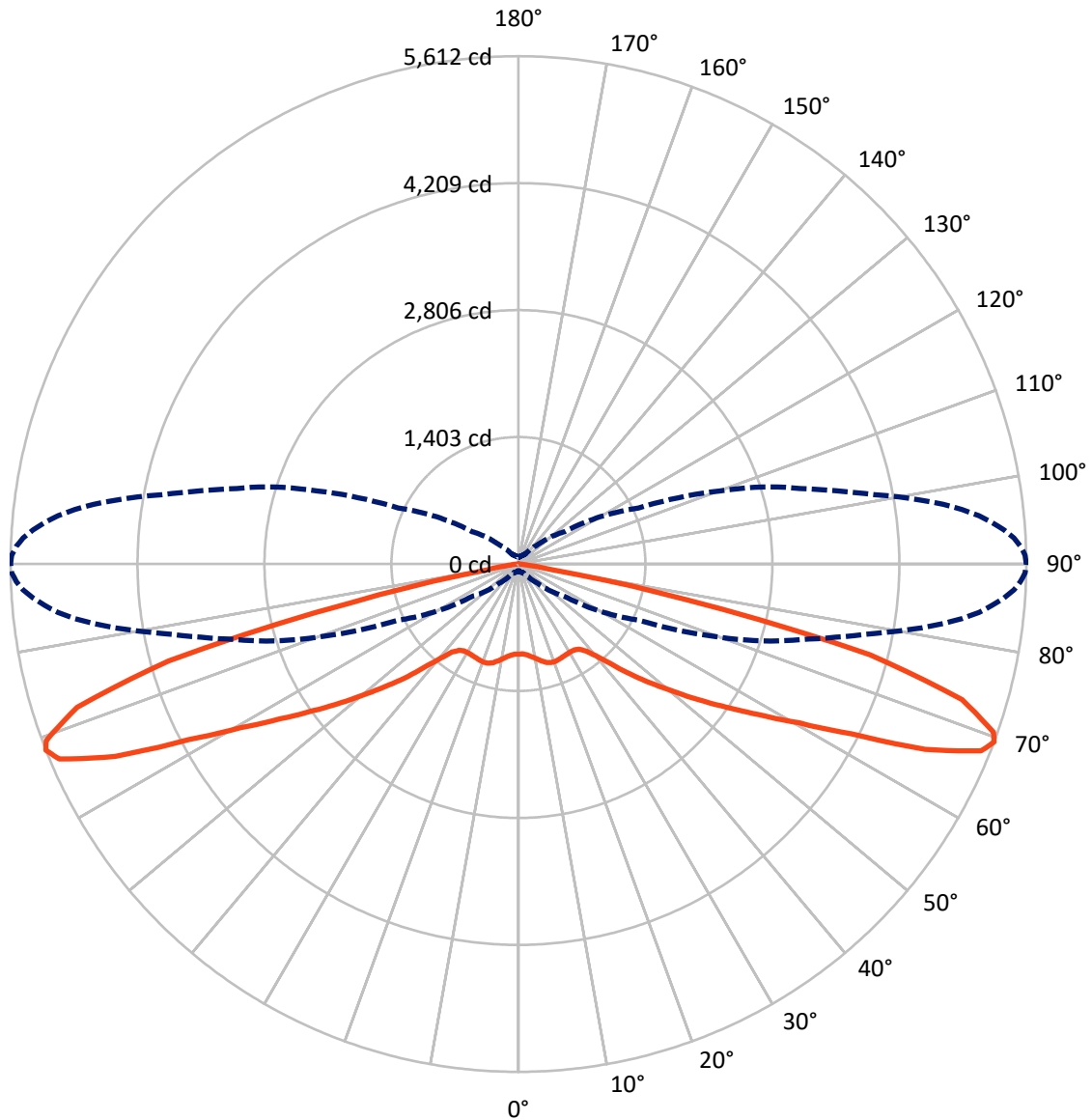
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc  
 Type I - Short - 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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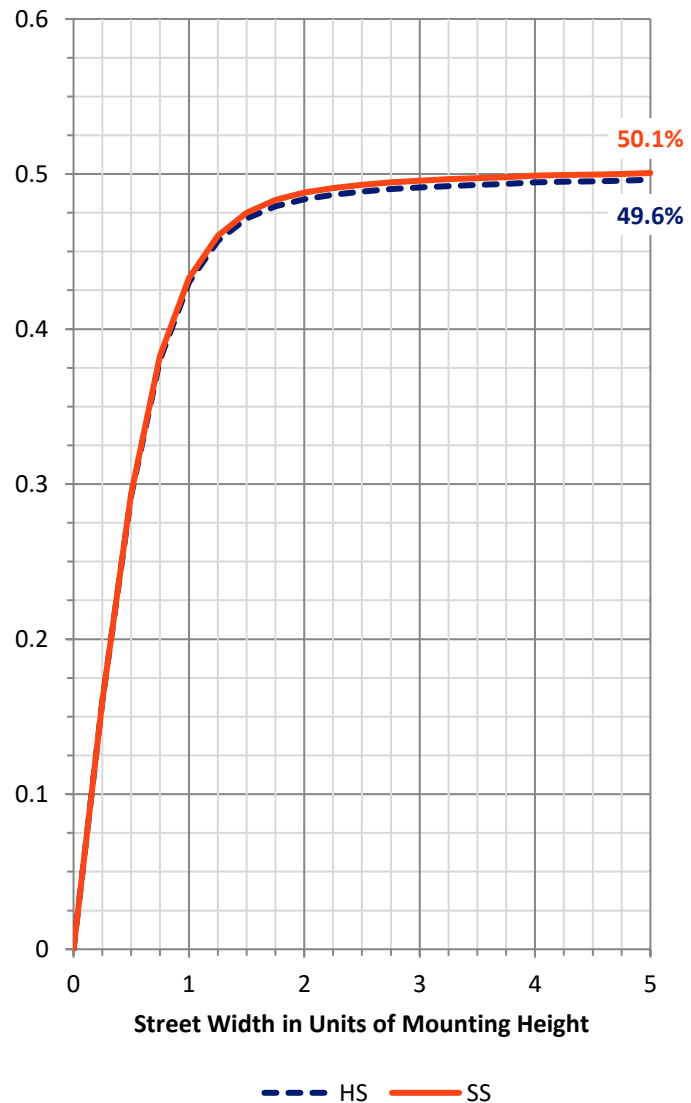
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2654.2	0.0	2654.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2654.2	0.0	2654.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5308.4	0.0	5308.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	1.8
10°-20°	307.8	5.8
20°-30°	498.6	9.4
30°-40°	621.4	11.7
40°-50°	776.5	14.6
50°-60°	958.8	18.1
60°-70°	1191.4	22.4
70°-80°	790.9	14.9
80°-90°	65.3	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°	5308.4	100.0
0°-180°	5308.4	100.0



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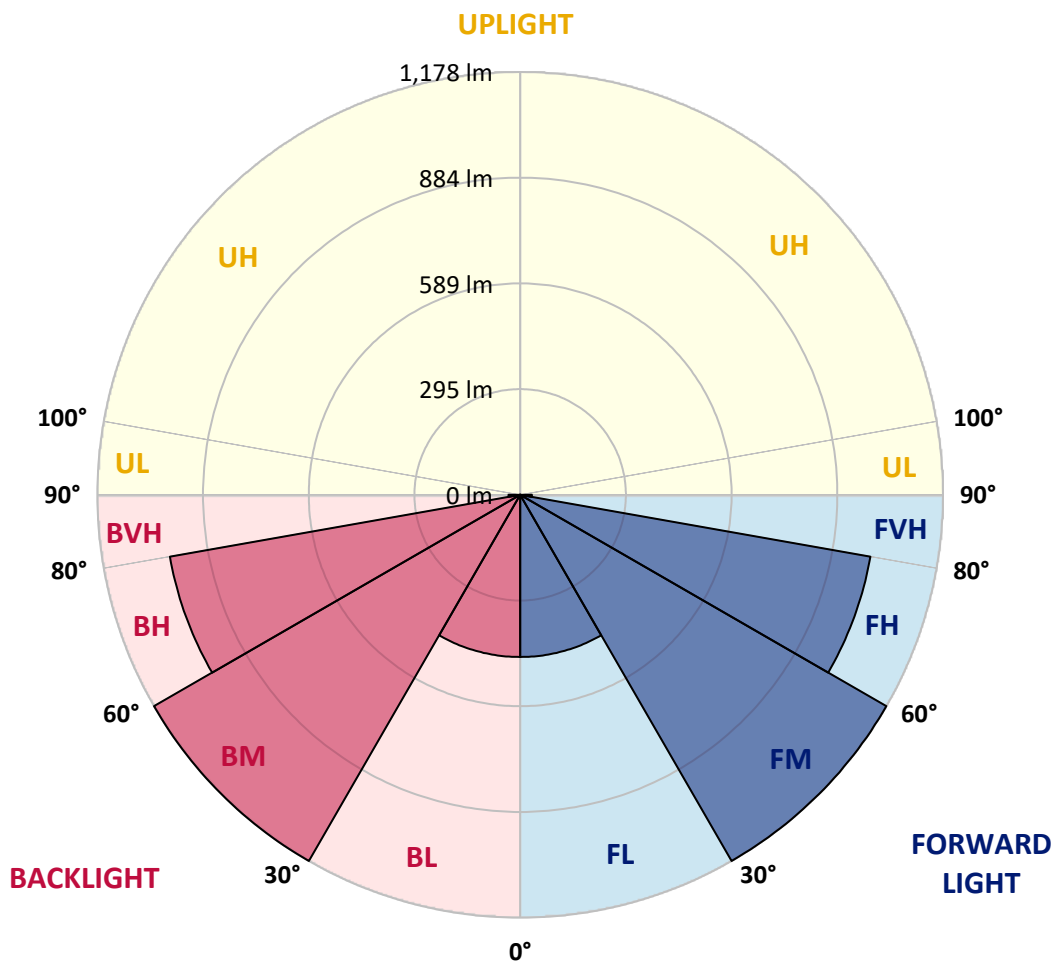
CATALOG NUMBER: ICM-E02-LED-E1-RW-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.0	8.5			
FM (30°-60°)	1178.4	22.2			
FH (60°-80°)	991.2	18.7			G1/1800
FVH (80°-90°)	32.7	0.6			G1/100
BL (0°-30°)	452.0	8.5	B1/500		
BM (30°-60°)	1178.4	22.2	B2/2500		
BH (60°-80°)	991.2	18.7	B2/1000		G2/1000
BVH (80°-90°)	32.7	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-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6
2.5°	999.2	1000.0	999.4	1000.6	1000.3	1000.3	999.7	998.6	998.0	997.4	997.5
5°	1008.8	1007.6	1009.4	1011.1	1010.4	1010.8	1010.4	1010.5	1010.0	1009.9	1009.9
7.5°	1019.0	1018.8	1019.9	1024.4	1024.9	1026.6	1028.7	1030.1	1030.3	1030.6	1030.3
10°	1027.7	1028.1	1030.9	1037.4	1040.8	1046.1	1051.5	1055.8	1057.4	1058.3	1058.2
12.5°	1034.8	1035.2	1039.4	1049.6	1057.9	1067.9	1079.6	1086.1	1088.9	1089.5	1090.0
15°	1035.4	1036.3	1043.6	1060.3	1076.8	1093.4	1107.4	1116.1	1118.3	1119.9	1120.0
17.5°	1028.1	1028.7	1041.1	1065.7	1093.2	1119.3	1133.8	1137.6	1138.4	1139.1	1138.8
20°	1008.8	1010.2	1027.7	1064.4	1106.2	1140.2	1155.2	1149.9	1147.2	1146.8	1146.5
22.5°	977.7	977.3	1000.3	1049.6	1108.8	1156.7	1170.0	1155.8	1147.4	1145.7	1144.5
25°	927.3	930.6	957.6	1016.4	1094.3	1160.3	1180.5	1158.9	1146.9	1144.2	1140.9
27.5°	872.6	874.6	903.2	966.3	1060.7	1147.5	1185.5	1165.1	1151.7	1147.9	1144.2
30°	808.9	811.4	842.1	907.9	1006.5	1114.8	1184.1	1179.4	1163.5	1159.1	1154.3
32.5°	746.5	749.4	776.8	849.1	949.6	1069.7	1175.6	1199.4	1183.3	1178.2	1173.3
35°	682.0	686.2	719.6	792.7	894.7	1019.5	1162.6	1225.1	1216.3	1211.9	1207.4
37.5°	628.5	629.3	661.6	738.3	843.7	971.7	1145.3	1257.8	1264.3	1264.3	1264.8
40°	568.7	574.1	606.3	687.4	797.5	931.2	1128.9	1302.0	1335.7	1342.0	1346.8
42.5°	515.2	515.7	548.7	632.2	747.4	898.6	1119.8	1355.2	1427.5	1440.8	1454.0
45°	458.8	461.0	490.8	571.5	689.7	860.1	1119.4	1416.7	1532.2	1554.4	1574.9
47.5°	405.6	406.4	437.8	512.9	623.4	806.3	1117.6	1482.6	1639.9	1672.7	1699.4
50°	354.6	353.7	384.6	456.8	558.0	735.8	1100.3	1557.4	1756.0	1793.3	1826.2
52.5°	296.3	300.2	332.2	401.3	498.4	664.2	1049.9	1639.3	1876.8	1920.0	1961.3
55°	239.1	240.7	275.0	339.5	438.1	597.2	962.1	1714.6	1994.6	2043.5	2089.6
57.5°	176.2	181.2	211.3	275.0	376.9	540.9	850.4	1753.7	2094.5	2150.9	2205.6
60°	124.4	128.3	154.9	208.4	309.9	481.8	754.4	1731.8	2174.7	2246.8	2312.6
62.5°	96.9	99.9	121.2	156.1	241.6	422.5	685.6	1661.3	2264.0	2357.9	2447.5
65°	84.9	87.8	107.1	124.8	180.4	362.2	648.0	1586.8	2383.5	2521.9	2646.8
67.5°	76.7	80.2	96.8	109.4	147.0	316.1	638.1	1539.8	2442.1	2622.2	2790.8
69°	73.1	76.5	91.4	102.0	136.6	299.6	621.1	1465.9	2363.0	2555.6	2739.6
70°	70.8	73.7	87.5	98.2	133.1	288.3	592.7	1373.6	2254.5	2448.9	2641.2
72.5°	65.7	67.2	79.3	89.9	123.5	233.1	456.0	1020.1	1783.8	1973.3	2160.1
75°	58.0	59.7	71.1	81.3	96.3	144.7	288.6	631.0	1201.1	1342.3	1515.5
77.5°	50.1	51.5	61.4	77.6	74.8	90.3	172.5	351.2	681.9	763.9	876.6
80°	40.2	41.9	50.7	77.0	61.8	70.2	124.1	245.6	334.7	359.3	386.2
82.5°	29.4	30.9	39.7	62.3	47.3	53.0	94.6	208.2	239.2	250.2	255.6
85°	15.1	15.3	25.1	38.0	30.0	27.5	53.2	142.5	162.2	165.0	169.2
87.5°	2.6	2.6	5.6	6.5	7.4	4.5	6.8	24.4	28.2	28.0	30.3
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):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6	994.6
2.5°	997.9	997.7	998.1	998.1	998.4	997.3	997.1	996.8	996.8	997.4	996.8
5°	1010.1	1010.1	1010.2	1010.7	1010.6	1009.9	1009.8	1010.0	1009.1	1008.8	1009.3
7.5°	1030.9	1030.5	1030.0	1030.9	1031.5	1031.6	1032.2	1031.7	1031.4	1031.2	1031.7
10°	1059.2	1059.1	1059.2	1060.2	1060.8	1060.9	1061.7	1060.9	1060.7	1061.2	1061.2
12.5°	1091.0	1090.4	1091.7	1092.4	1093.2	1094.9	1094.1	1095.2	1094.3	1095.7	1095.8
15°	1121.0	1121.4	1122.6	1123.2	1123.4	1124.8	1125.0	1125.8	1124.7	1124.8	1127.3
17.5°	1139.6	1139.4	1140.2	1140.7	1141.4	1142.1	1143.4	1144.2	1143.6	1143.6	1144.8
20°	1145.9	1145.0	1145.3	1145.7	1145.8	1146.4	1147.4	1147.5	1147.5	1147.9	1149.0
22.5°	1142.8	1141.3	1139.9	1140.0	1140.1	1140.0	1140.7	1141.0	1141.6	1142.1	1143.6
25°	1138.5	1135.3	1132.6	1132.3	1131.5	1131.6	1132.0	1132.0	1132.6	1133.4	1134.5
27.5°	1139.0	1134.7	1130.2	1128.8	1127.3	1126.2	1125.9	1125.2	1125.8	1126.6	1127.7
30°	1148.7	1141.9	1135.6	1133.8	1131.5	1129.6	1128.0	1126.1	1124.8	1125.8	1126.3
32.5°	1165.8	1159.1	1152.9	1149.9	1146.7	1143.4	1140.2	1138.2	1135.6	1134.8	1134.5
35°	1202.0	1196.8	1191.2	1187.6	1182.5	1179.8	1176.0	1170.5	1166.5	1166.3	1164.0
37.5°	1263.1	1260.6	1256.6	1252.9	1251.2	1244.2	1239.6	1236.8	1232.3	1235.1	1230.3
40°	1351.0	1355.2	1358.9	1356.7	1357.4	1355.5	1352.8	1355.5	1352.4	1351.5	1352.4
42.5°	1463.5	1478.4	1488.8	1492.1	1500.5	1503.8	1509.9	1519.5	1517.4	1528.2	1530.2
45°	1594.0	1615.3	1636.1	1651.5	1668.5	1687.6	1706.7	1721.9	1733.8	1733.2	1746.2
47.5°	1727.0	1758.6	1786.2	1809.5	1839.8	1867.9	1898.8	1930.1	1952.8	1961.3	1964.1
50°	1861.8	1898.2	1936.0	1970.2	2011.3	2056.2	2104.9	2153.5	2177.9	2197.7	2211.0
52.5°	2003.0	2044.8	2085.0	2133.3	2183.9	2243.3	2304.0	2373.3	2410.2	2447.5	2467.4
55°	2137.3	2184.0	2225.5	2290.2	2352.2	2423.1	2502.3	2590.0	2653.7	2697.5	2736.4
57.5°	2259.5	2309.0	2360.0	2432.9	2512.0	2594.9	2695.5	2801.9	2871.3	2947.7	3016.5
60°	2378.5	2440.9	2499.6	2594.9	2689.0	2792.0	2917.2	3051.9	3159.2	3263.1	3342.5
62.5°	2536.7	2616.8	2689.7	2809.5	2932.5	3059.7	3208.8	3368.0	3523.7	3664.8	3771.6
65°	2770.2	2887.8	2996.9	3148.8	3304.1	3471.5	3649.4	3852.9	4039.7	4226.4	4379.3
67.5°	2947.4	3096.3	3236.5	3420.1	3602.8	3796.9	4011.9	4252.1	4483.6	4694.0	4880.3
69°	2912.6	3070.6	3222.3	3409.8	3599.7	3798.0	4014.9	4270.3	4510.7	4739.2	4939.2
70°	2806.7	2971.4	3128.6	3314.6	3507.0	3705.7	3932.8	4183.7	4429.7	4673.3	4875.2
72.5°	2326.1	2491.3	2644.1	2834.3	3028.1	3236.9	3451.8	3696.2	3959.0	4219.3	4396.3
75°	1667.7	1813.8	1961.8	2122.8	2311.7	2483.8	2680.5	2913.7	3134.5	3336.5	3471.8
77.5°	985.8	1073.2	1178.8	1254.4	1364.2	1458.9	1559.0	1688.6	1756.5	1886.7	1920.2
80°	401.7	399.2	414.9	399.4	402.8	390.1	376.6	374.1	352.8	379.5	359.6
82.5°	255.2	237.3	218.4	192.1	168.9	144.6	122.2	103.6	100.3	100.8	99.7
85°	168.1	160.4	143.3	120.5	98.2	78.8	63.1	49.9	49.3	48.4	48.2
87.5°	30.4	28.3	23.3	19.8	16.7	12.5	8.7	6.5	6.2	6.2	7.3
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):**

	84°	85°	86°	87°	88°	89°	90°
0°	994.6	994.6	994.6	994.6	994.6	994.6	994.6
2.5°	996.8	996.8	996.7	997.2	996.9	996.1	995.2
5°	1009.9	1008.8	1009.7	1010.5	1009.1	1009.4	1008.8
7.5°	1031.7	1031.4	1031.8	1030.9	1030.3	1031.2	1032.0
10°	1062.3	1061.8	1061.4	1062.3	1061.8	1061.2	1061.5
12.5°	1096.6	1096.6	1096.4	1096.6	1096.4	1095.4	1094.9
15°	1126.9	1127.4	1127.4	1126.9	1126.6	1126.3	1126.6
17.5°	1145.6	1145.3	1145.3	1145.3	1145.0	1145.3	1145.9
20°	1150.3	1149.6	1149.6	1150.1	1149.6	1150.1	1150.4
22.5°	1143.8	1143.8	1143.9	1144.2	1144.8	1144.8	1145.3
25°	1135.6	1135.6	1135.6	1136.2	1136.2	1136.6	1136.8
27.5°	1129.1	1129.1	1129.1	1129.7	1129.7	1130.1	1130.6
30°	1127.3	1127.2	1126.9	1127.2	1127.4	1127.4	1127.7
32.5°	1134.9	1134.0	1133.7	1133.1	1132.6	1132.6	1132.3
35°	1161.7	1159.4	1159.8	1158.1	1158.6	1157.2	1156.1
37.5°	1227.2	1224.9	1222.3	1219.0	1216.9	1219.5	1219.5
40°	1349.5	1350.9	1344.7	1343.0	1339.4	1341.9	1345.2
42.5°	1531.4	1533.0	1534.1	1524.8	1524.5	1522.5	1516.8
45°	1746.8	1742.9	1744.6	1740.3	1738.6	1732.4	1740.0
47.5°	1974.8	1977.3	1967.2	1963.7	1969.7	1959.5	1960.9
50°	2218.6	2219.2	2211.5	2209.9	2215.3	2196.0	2205.0
52.5°	2481.5	2482.6	2488.6	2481.5	2484.3	2479.8	2488.9
55°	2760.9	2782.3	2784.2	2791.8	2792.5	2801.8	2792.5
57.5°	3054.7	3078.8	3101.4	3132.3	3139.2	3135.5	3141.4
60°	3408.4	3471.6	3505.6	3554.1	3561.7	3582.6	3564.5
62.5°	3871.7	3970.1	4044.2	4081.7	4104.3	4148.2	4133.8
65°	4519.7	4636.8	4749.4	4803.3	4862.7	4925.1	4936.4
67.5°	5050.4	5180.5	5297.7	5390.9	5463.5	5509.2	5513.0
69°	5116.8	5254.9	5378.5	5482.1	5552.6	5599.7	5612.1
70°	5057.0	5198.4	5329.1	5428.0	5506.8	5554.6	5571.3
72.5°	4582.1	4750.4	4855.1	4955.8	5066.9	5081.4	5127.3
75°	3627.1	3778.1	3880.9	3907.5	3965.5	4038.6	4012.5
77.5°	1891.8	1957.6	1979.4	1932.9	1930.6	1973.4	1888.5
80°	360.2	360.7	354.9	352.6	356.8	352.6	346.6
82.5°	101.7	100.3	99.3	101.7	101.4	101.1	103.1
85°	47.1	45.6	43.3	43.3	44.5	42.8	43.6
87.5°	6.5	5.4	5.4	5.4	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)