

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: P180266

Luminaire Tested: **ICM-E02-LED-E1-RW-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180266  
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-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4905.3 lumens  
Efficiency: N/A  
Efficacy: 94.2 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

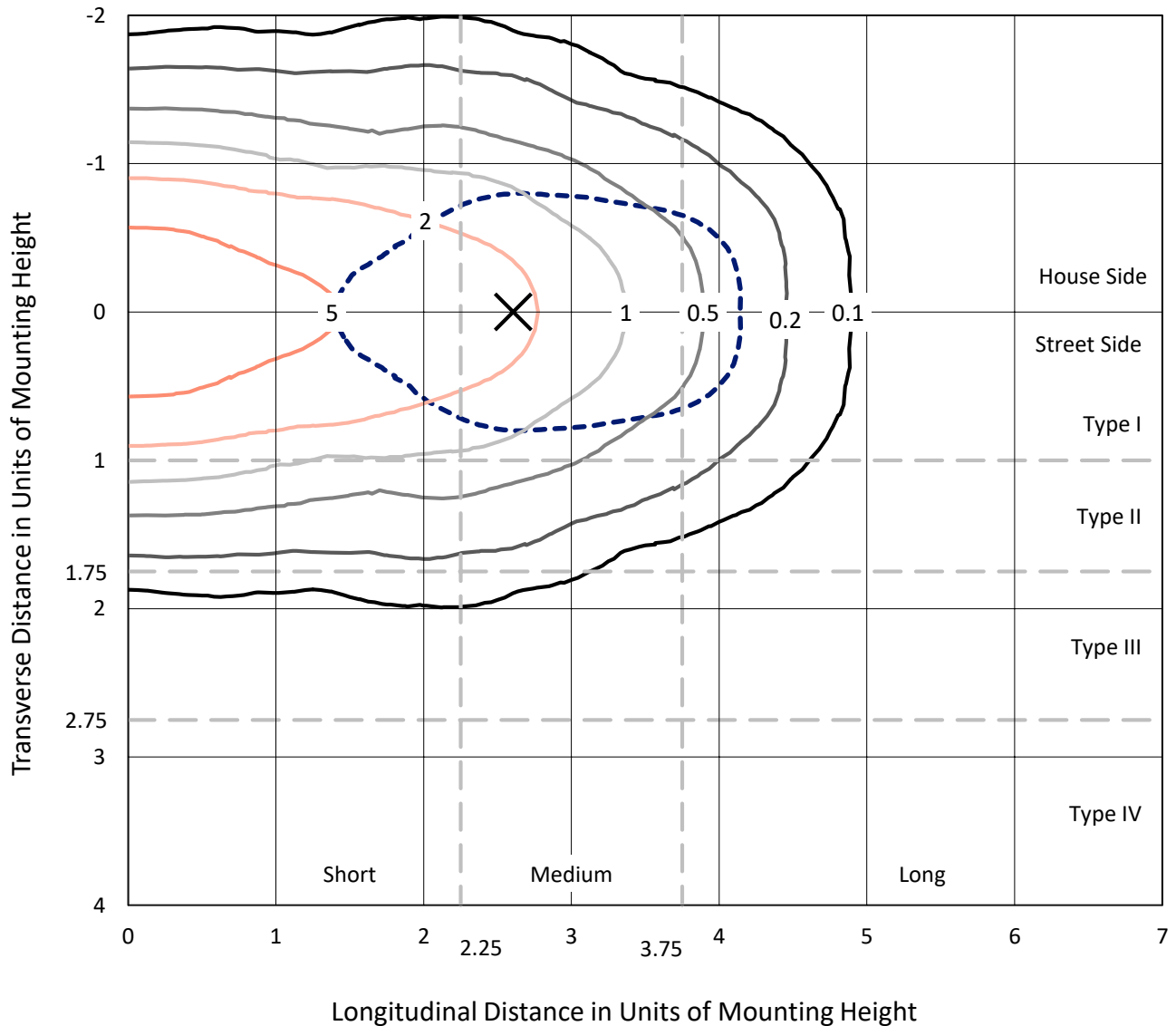
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

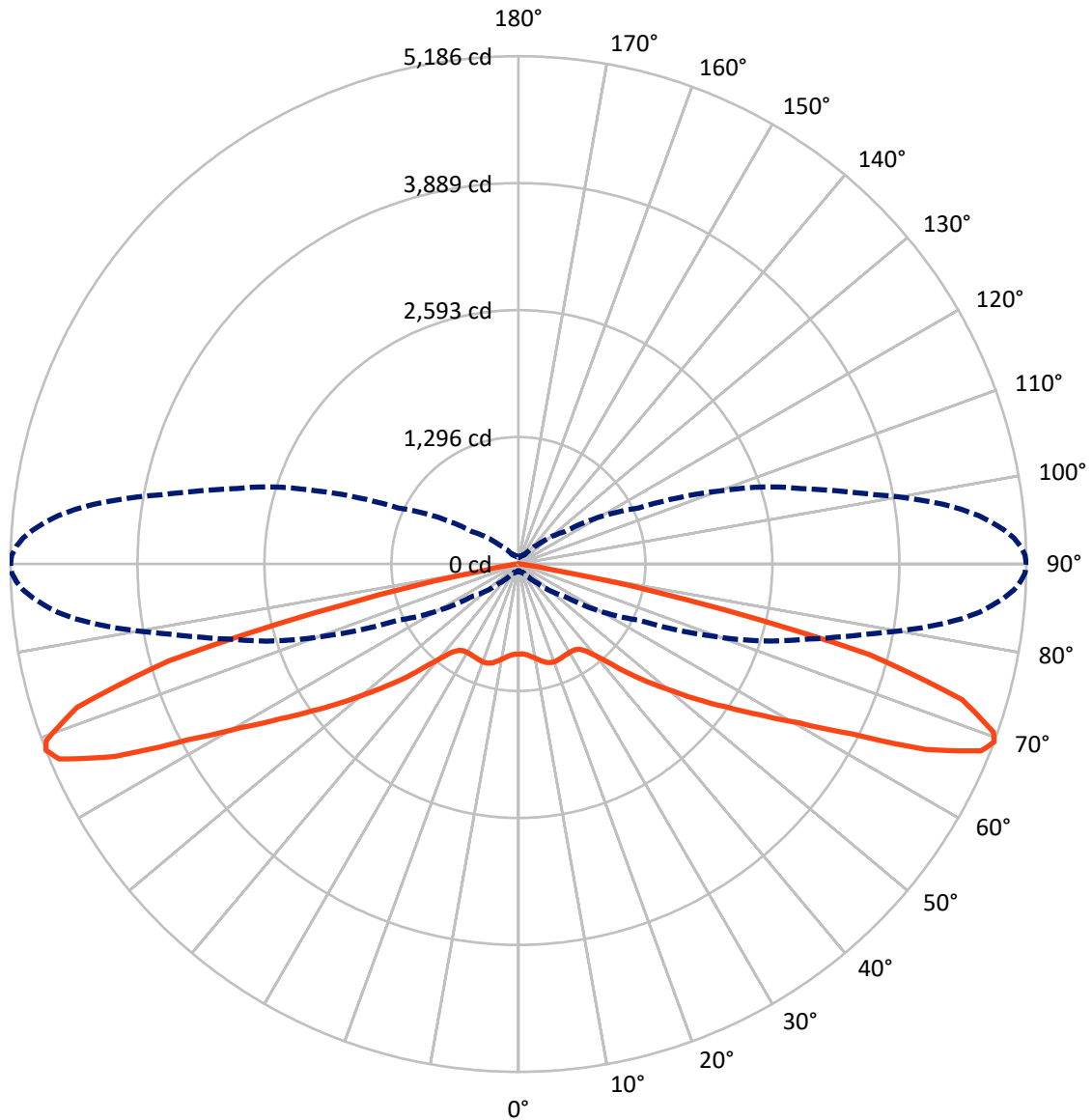
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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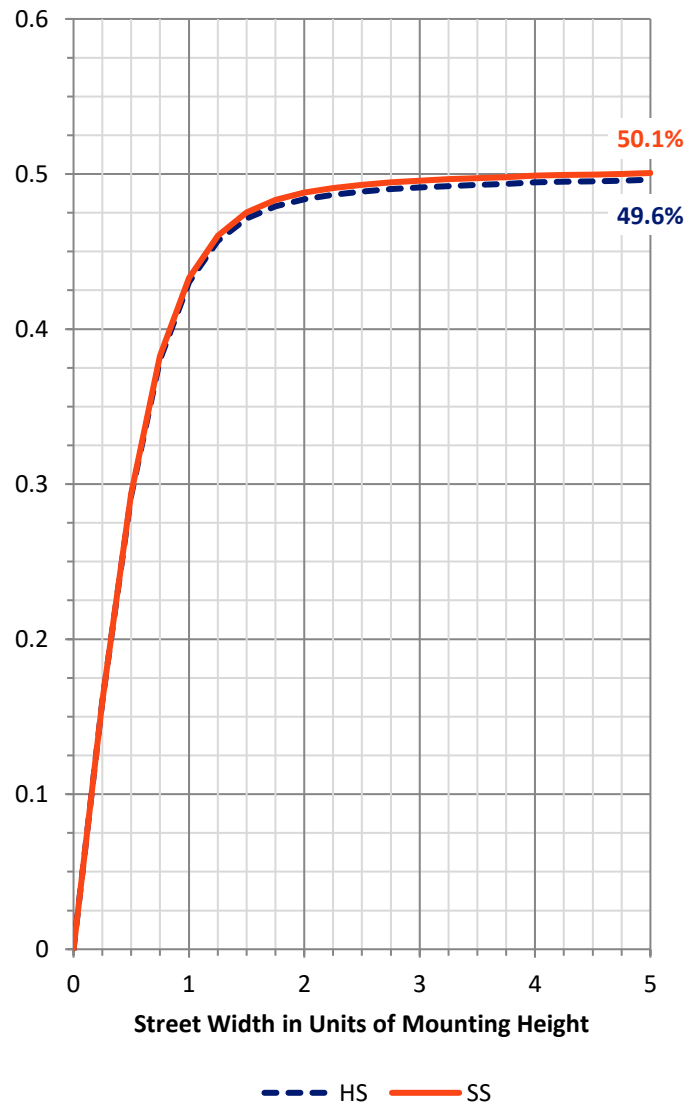
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2452.6	0.0	2452.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2452.6	0.0	2452.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4905.3	0.0	4905.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.2	1.8
10°-20°	284.4	5.8
20°-30°	460.8	9.4
30°-40°	574.2	11.7
40°-50°	717.6	14.6
50°-60°	886.0	18.1
60°-70°	1100.9	22.4
70°-80°	730.9	14.9
80°-90°	60.3	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°	4905.3	100.0
0°-180°	4905.3	100.0



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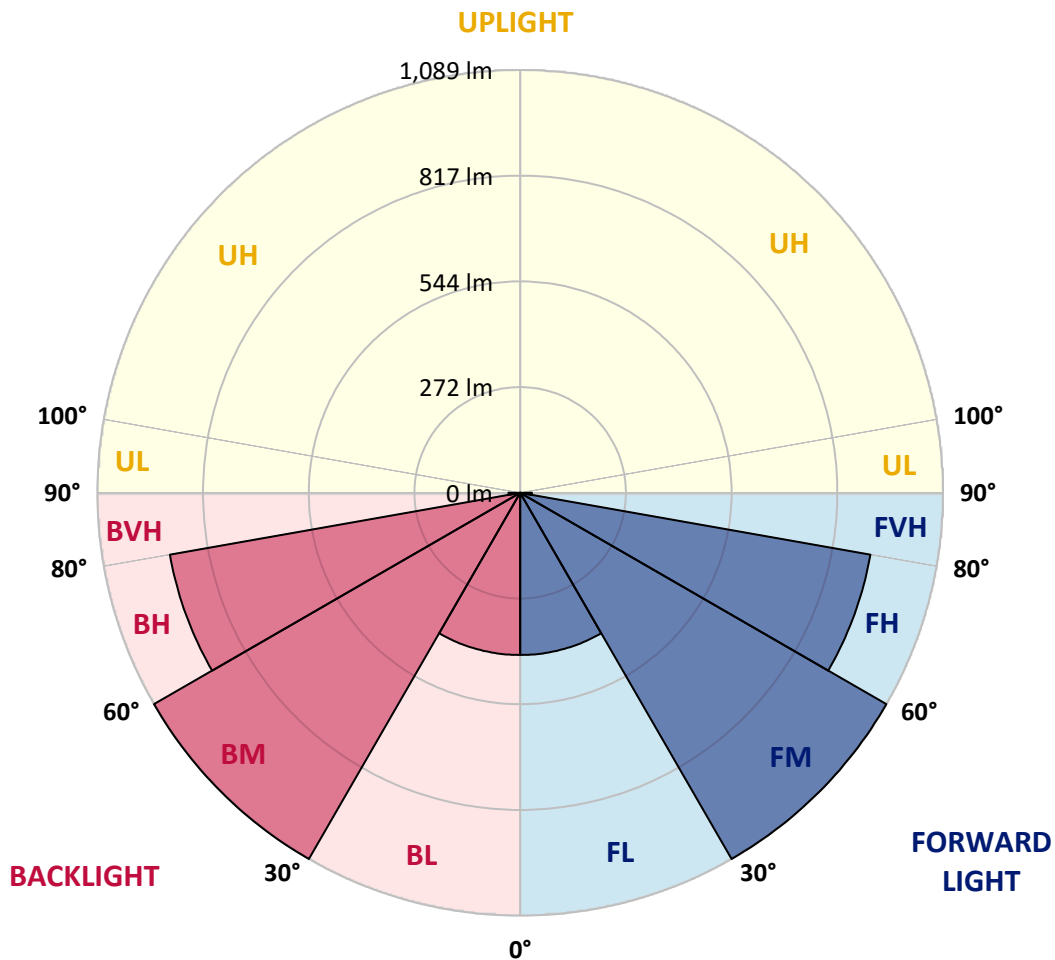
CATALOG NUMBER: ICM-E02-LED-E1-RW-8030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.7	8.5			
FM (30°-60°)	1088.9	22.2			
FH (60°-80°)	915.9	18.7			G1/1800
FVH (80°-90°)	30.2	0.6			G1/100
BL (0°-30°)	417.7	8.5	B1/500		
BM (30°-60°)	1088.9	22.2	B2/2500		
BH (60°-80°)	915.9	18.7	B2/1000		G2/1000
BVH (80°-90°)	30.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1
2.5°	923.3	924.1	923.5	924.6	924.3	924.3	923.8	922.8	922.1	921.7	921.8
5°	932.2	931.2	932.7	934.3	933.8	934.0	933.8	933.8	933.2	933.2	933.1
7.5°	941.6	941.4	942.3	946.6	947.1	948.7	950.5	951.8	952.1	952.4	952.1
10°	949.8	950.0	952.6	958.7	961.8	966.7	971.7	975.6	977.1	978.0	977.9
12.5°	956.3	956.6	960.5	969.9	977.5	986.9	997.6	1003.6	1006.2	1006.7	1007.2
15°	956.8	957.6	964.4	979.8	995.0	1010.4	1023.3	1031.4	1033.5	1034.9	1035.0
17.5°	950.0	950.5	962.1	984.8	1010.2	1034.2	1047.6	1051.3	1052.1	1052.6	1052.3
20°	932.2	933.5	949.8	983.4	1022.2	1053.6	1067.5	1062.5	1060.0	1059.7	1059.4
22.5°	903.4	903.1	924.3	969.9	1024.6	1068.8	1081.1	1068.0	1060.3	1058.7	1057.6
25°	856.7	859.9	884.8	939.3	1011.2	1072.2	1090.8	1070.9	1059.7	1057.3	1054.3
27.5°	806.3	808.2	834.6	892.9	980.1	1060.5	1095.4	1076.7	1064.2	1060.8	1057.2
30°	747.4	749.8	778.1	839.1	930.1	1030.1	1094.1	1089.7	1075.2	1071.1	1066.6
32.5°	689.9	692.5	717.9	784.6	877.5	988.5	1086.3	1108.3	1093.4	1088.8	1084.2
35°	630.1	634.1	665.0	732.5	826.8	942.1	1074.2	1132.2	1123.9	1119.8	1115.7
37.5°	580.7	581.5	611.4	682.2	779.5	897.9	1058.3	1162.2	1168.3	1168.3	1168.8
40°	525.5	530.4	560.4	635.2	736.9	860.5	1043.2	1203.0	1234.3	1240.1	1244.5
42.5°	476.1	476.6	507.0	584.1	690.6	830.4	1034.8	1252.3	1319.1	1331.4	1343.5
45°	424.0	426.0	453.6	528.1	637.2	794.8	1034.5	1309.0	1415.8	1436.4	1455.3
47.5°	374.7	375.5	404.6	474.0	576.0	745.0	1032.8	1370.1	1515.4	1545.6	1570.3
50°	327.6	326.9	355.4	422.1	515.5	679.9	1016.8	1439.1	1622.7	1657.1	1687.6
52.5°	273.8	277.4	307.0	370.9	460.7	613.7	970.1	1514.8	1734.3	1774.2	1812.4
55°	220.8	222.5	254.1	313.9	404.8	551.9	889.0	1584.4	1843.2	1888.3	1930.9
57.5°	162.8	167.4	195.3	254.1	348.4	499.9	785.9	1620.5	1935.5	1987.5	2038.1
60°	114.9	118.5	143.2	192.6	286.3	445.1	697.1	1600.4	2009.7	2076.2	2136.9
62.5°	89.5	92.4	112.0	144.2	223.3	390.5	633.6	1535.2	2092.1	2178.9	2261.7
65°	78.5	81.1	99.0	115.3	166.7	334.7	598.8	1466.2	2202.5	2330.3	2445.9
67.5°	70.9	74.0	89.5	101.0	135.8	292.1	589.6	1422.9	2256.7	2423.1	2578.8
69°	67.5	70.7	84.6	94.2	126.1	276.8	574.0	1354.6	2183.5	2361.4	2531.6
70°	65.5	68.1	80.8	90.8	123.0	266.4	547.7	1269.2	2083.3	2262.9	2440.7
72.5°	60.7	62.0	73.3	83.0	114.0	215.4	421.4	942.7	1648.4	1823.5	1996.0
75°	53.7	55.3	65.7	75.1	88.9	133.8	266.7	583.1	1109.9	1240.4	1400.4
77.5°	46.3	47.6	56.7	71.6	69.0	83.5	159.3	324.5	630.1	705.9	810.0
80°	37.2	38.7	46.9	71.2	57.1	64.9	114.6	226.9	309.3	331.9	356.9
82.5°	27.2	28.5	36.7	57.6	43.7	48.9	87.4	192.4	221.0	231.3	236.3
85°	13.9	14.1	23.3	35.1	27.7	25.3	49.2	131.6	150.0	152.5	156.4
87.5°	2.4	2.4	5.2	6.0	6.8	4.2	6.3	22.5	26.0	25.9	28.0
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):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1	919.1
2.5°	922.1	921.9	922.2	922.3	922.6	921.6	921.4	921.2	921.2	921.7	921.1
5°	933.4	933.3	933.5	934.0	933.8	933.2	933.1	933.2	932.5	932.2	932.7
7.5°	952.6	952.4	951.8	952.7	953.2	953.3	953.9	953.4	953.1	952.8	953.4
10°	978.8	978.6	978.8	979.6	980.3	980.4	981.0	980.3	980.1	980.7	980.7
12.5°	1008.2	1007.6	1008.9	1009.4	1010.1	1011.7	1011.0	1012.0	1011.3	1012.5	1012.5
15°	1035.9	1036.2	1037.4	1037.9	1038.1	1039.4	1039.5	1040.3	1039.3	1039.4	1041.6
17.5°	1053.1	1052.8	1053.6	1054.1	1054.7	1055.4	1056.7	1057.3	1056.8	1056.8	1057.9
20°	1058.9	1058.1	1058.3	1058.7	1058.8	1059.4	1060.4	1060.4	1060.5	1060.7	1061.8
22.5°	1056.0	1054.7	1053.4	1053.5	1053.6	1053.4	1054.1	1054.4	1054.9	1055.4	1056.8
25°	1052.1	1049.0	1046.5	1046.3	1045.6	1045.7	1046.0	1046.1	1046.5	1047.4	1048.4
27.5°	1052.5	1048.5	1044.5	1043.1	1041.7	1040.8	1040.4	1039.8	1040.3	1041.1	1042.1
30°	1061.4	1055.2	1049.5	1047.6	1045.6	1043.8	1042.3	1040.6	1039.4	1040.3	1040.8
32.5°	1077.2	1071.1	1065.4	1062.5	1059.6	1056.5	1053.6	1051.8	1049.5	1048.7	1048.4
35°	1110.7	1105.8	1100.7	1097.5	1092.7	1090.2	1086.7	1081.7	1078.0	1077.7	1075.5
37.5°	1167.2	1164.8	1161.1	1157.8	1156.2	1149.7	1145.5	1142.9	1138.7	1141.3	1136.8
40°	1248.4	1252.3	1255.6	1253.7	1254.3	1252.6	1250.1	1252.5	1249.7	1248.8	1249.7
42.5°	1352.4	1366.1	1375.7	1378.8	1386.6	1389.6	1395.3	1404.1	1402.2	1412.1	1414.0
45°	1472.9	1492.7	1511.8	1526.1	1541.8	1559.5	1577.1	1591.2	1602.1	1601.6	1613.6
47.5°	1595.9	1625.0	1650.6	1672.1	1700.1	1726.2	1754.6	1783.5	1804.5	1812.3	1814.9
50°	1720.4	1754.1	1789.0	1820.6	1858.5	1900.0	1945.0	1990.0	2012.5	2030.8	2043.2
52.5°	1850.9	1889.4	1926.7	1971.4	2018.1	2072.8	2129.0	2193.1	2227.1	2261.6	2280.0
55°	1975.0	2018.1	2056.4	2116.2	2173.5	2239.0	2312.4	2393.3	2452.2	2492.8	2528.6
57.5°	2087.8	2133.6	2180.9	2248.2	2321.3	2397.8	2490.8	2589.0	2653.1	2723.8	2787.4
60°	2198.0	2255.5	2309.8	2397.9	2484.9	2579.9	2695.7	2820.1	2919.3	3015.4	3088.6
62.5°	2344.0	2418.0	2485.4	2596.1	2709.8	2827.4	2965.0	3112.2	3256.1	3386.4	3485.1
65°	2559.8	2668.5	2769.3	2909.7	3053.1	3207.8	3372.3	3560.2	3733.0	3905.4	4046.7
67.5°	2723.6	2861.2	2990.7	3160.4	3329.2	3508.6	3707.2	3929.1	4143.1	4337.5	4509.6
69°	2691.4	2837.4	2977.7	3150.8	3326.4	3509.5	3710.0	3946.0	4168.2	4379.4	4564.1
70°	2593.6	2745.7	2891.1	3062.9	3240.8	3424.3	3634.2	3865.9	4093.2	4318.4	4505.0
72.5°	2149.5	2302.2	2443.3	2619.1	2798.2	2991.0	3189.6	3415.5	3658.4	3898.9	4062.4
75°	1541.1	1676.0	1812.8	1961.6	2136.2	2295.2	2476.9	2692.4	2896.6	3083.2	3208.2
77.5°	910.9	991.7	1089.2	1159.2	1260.6	1348.1	1440.6	1560.3	1623.1	1743.5	1774.3
80°	371.2	368.8	383.4	369.0	372.2	360.6	348.0	345.7	326.1	350.7	332.4
82.5°	235.7	219.3	201.9	177.5	156.1	133.6	113.0	95.8	92.7	93.1	92.1
85°	155.3	148.2	132.5	111.3	90.8	72.8	58.2	46.0	45.6	44.7	44.5
87.5°	28.1	26.0	21.5	18.3	15.4	11.5	8.2	6.0	5.8	5.8	6.8
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°	919.1	919.1	919.1	919.1	919.1	919.1	919.1
2.5°	921.1	921.2	920.9	921.5	921.2	920.4	919.6
5°	933.2	932.2	932.9	933.8	932.5	932.7	932.2
7.5°	953.4	953.1	953.3	952.7	952.0	952.9	953.7
10°	981.7	981.1	980.8	981.6	981.1	980.7	980.8
12.5°	1013.3	1013.3	1013.0	1013.3	1013.0	1012.3	1011.7
15°	1041.3	1041.9	1041.9	1041.3	1041.1	1040.8	1041.0
17.5°	1058.6	1058.3	1058.3	1058.3	1058.1	1058.3	1058.9
20°	1063.1	1062.2	1062.3	1062.8	1062.2	1062.7	1063.1
22.5°	1057.0	1057.0	1057.0	1057.3	1057.9	1057.8	1058.3
25°	1049.5	1049.5	1049.5	1050.0	1050.0	1050.2	1050.5
27.5°	1043.4	1043.4	1043.4	1043.9	1043.9	1044.2	1044.8
30°	1041.6	1041.6	1041.3	1041.6	1041.8	1041.9	1042.1
32.5°	1048.7	1047.8	1047.6	1047.1	1046.5	1046.6	1046.3
35°	1073.5	1071.4	1071.6	1070.1	1070.7	1069.3	1068.3
37.5°	1134.0	1131.9	1129.5	1126.3	1124.6	1126.9	1126.9
40°	1247.1	1248.3	1242.6	1241.0	1237.6	1239.9	1243.1
42.5°	1415.1	1416.6	1417.7	1408.9	1408.8	1406.9	1401.7
45°	1614.1	1610.5	1612.1	1608.2	1606.6	1600.8	1607.9
47.5°	1824.8	1827.2	1817.9	1814.7	1820.1	1810.8	1812.0
50°	2050.2	2050.7	2043.6	2042.1	2047.1	2029.2	2037.6
52.5°	2293.0	2294.2	2299.5	2293.0	2295.6	2291.5	2299.8
55°	2551.4	2571.0	2572.9	2579.9	2580.4	2589.0	2580.4
57.5°	2822.7	2845.0	2866.0	2894.4	2900.8	2897.3	2902.8
60°	3149.6	3208.0	3239.4	3284.1	3291.2	3310.5	3293.8
62.5°	3577.7	3668.6	3737.1	3771.7	3792.6	3833.1	3819.8
65°	4176.6	4284.7	4388.8	4438.5	4493.4	4551.1	4561.5
67.5°	4667.0	4787.1	4895.4	4981.6	5048.6	5091.0	5094.4
69°	4728.2	4855.9	4970.1	5065.9	5131.0	5174.4	5185.9
70°	4673.1	4803.6	4924.5	5015.8	5088.6	5132.9	5148.2
72.5°	4234.1	4389.6	4486.4	4579.6	4682.2	4695.5	4737.9
75°	3351.6	3491.2	3586.2	3610.8	3664.4	3731.9	3707.8
77.5°	1748.2	1808.8	1829.0	1786.2	1784.0	1823.6	1745.0
80°	332.8	333.4	327.9	325.8	329.8	325.8	320.3
82.5°	94.0	92.7	91.9	94.0	93.8	93.4	95.3
85°	43.5	42.1	40.0	40.0	41.1	39.4	40.3
87.5°	6.0	5.0	5.0	5.0	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)