

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: P180341

Luminaire Tested: **ICS-F03-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180341
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: ICS-F03-LED-E1-RW-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5877 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

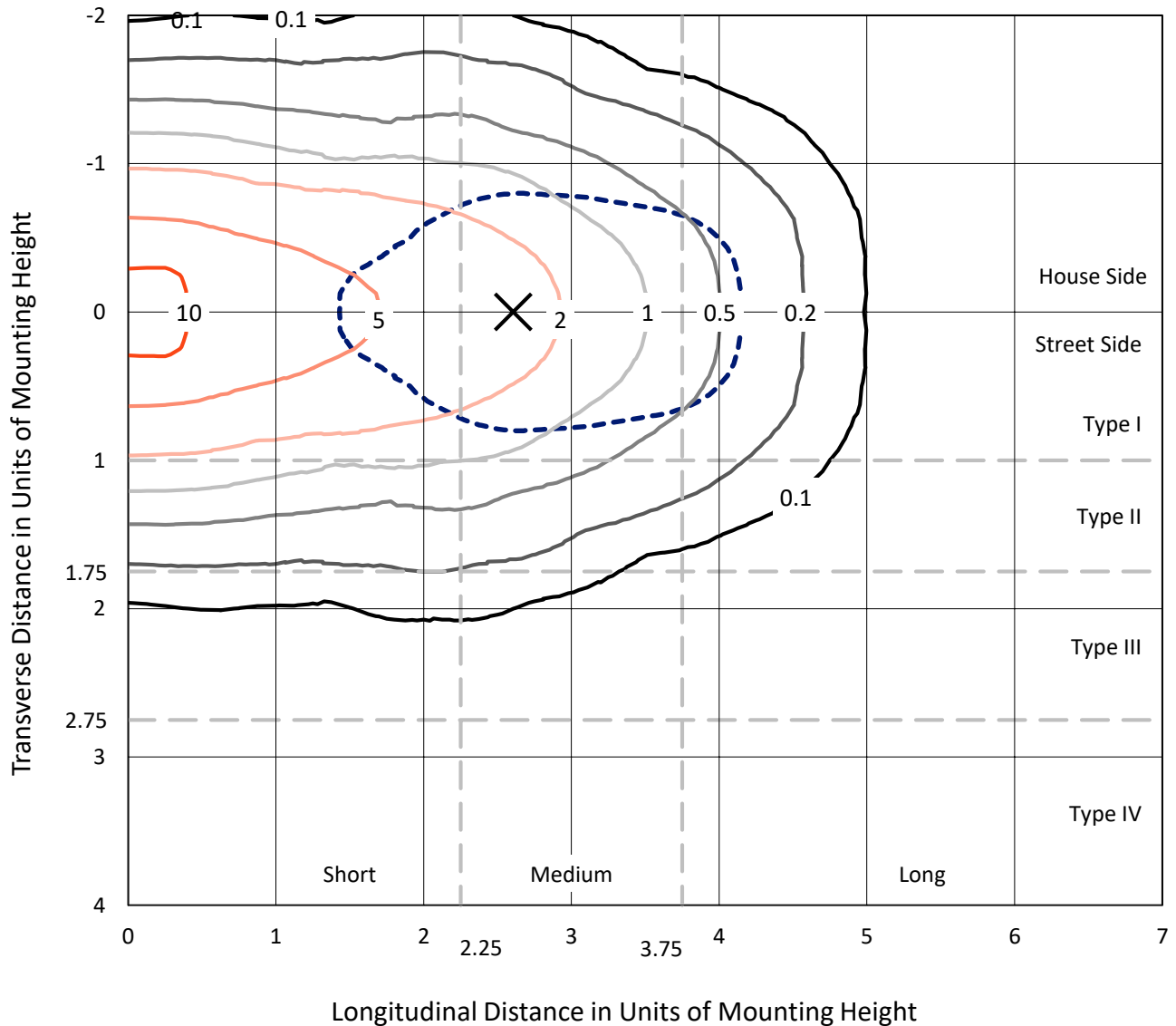
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

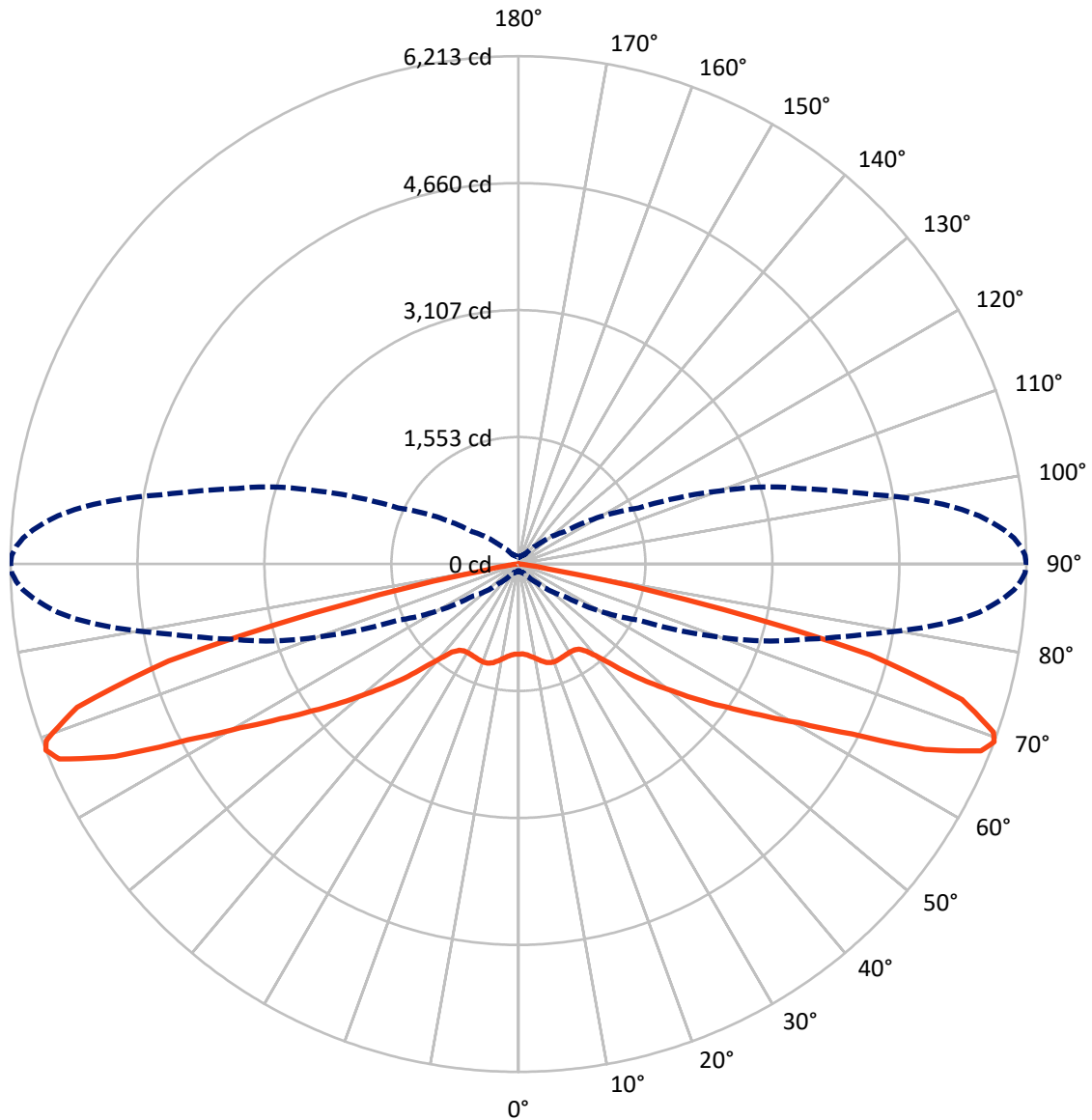


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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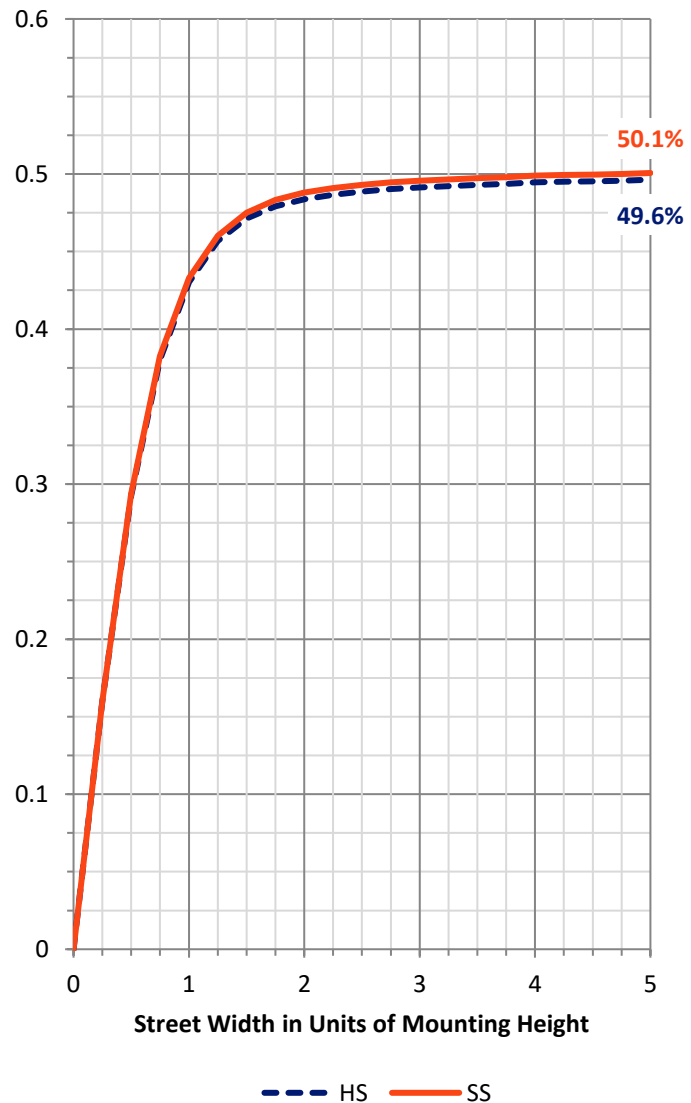
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2938.5	0.0	2938.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2938.5	0.0	2938.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5877.0	0.0	5877.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	1.8
10°-20°	340.7	5.8
20°-30°	552.0	9.4
30°-40°	688.0	11.7
40°-50°	859.7	14.6
50°-60°	1061.6	18.1
60°-70°	1319.0	22.4
70°-80°	875.7	14.9
80°-90°	72.3	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°	5877.0	100.0
0°-180°	5877.0	100.0



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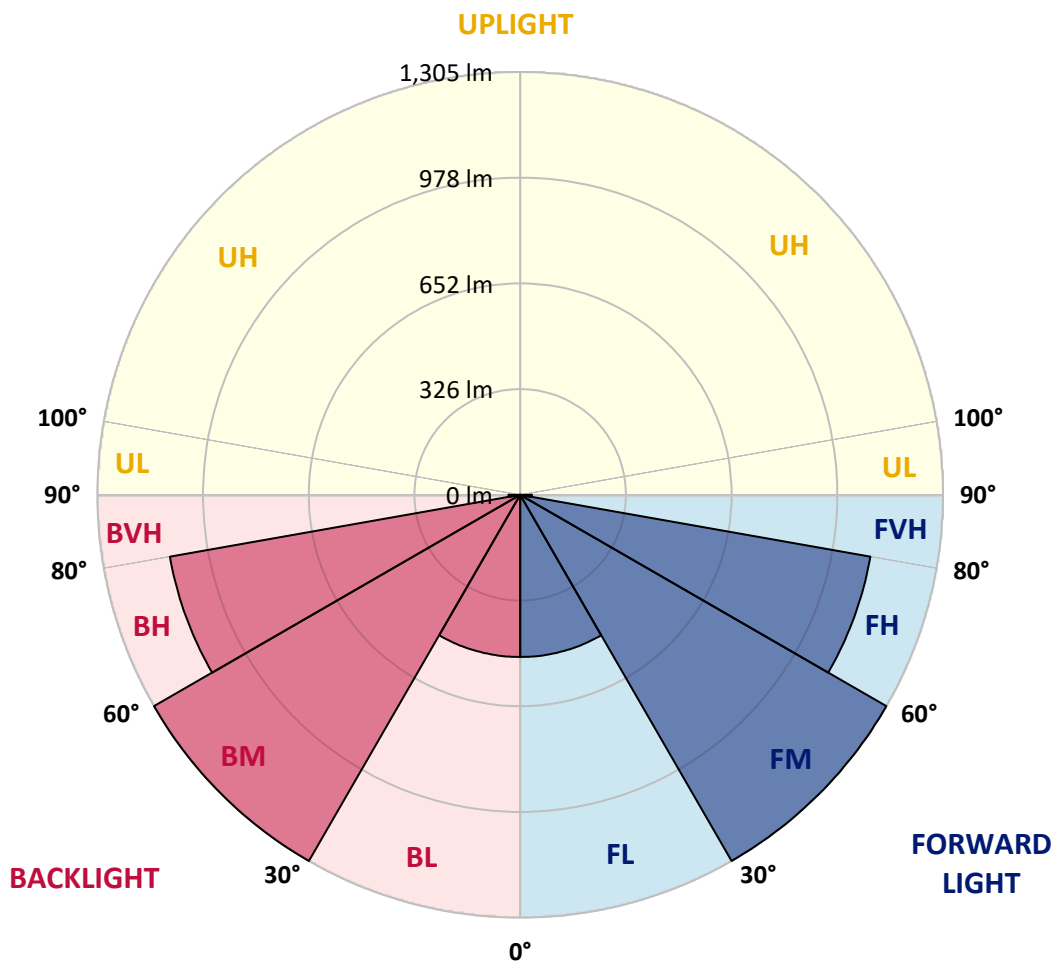
CATALOG NUMBER: ICS-F03-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.4	8.5			
FM	(30°-60°)	1304.6	22.2			
FH	(60°-80°)	1097.3	18.7			G1/1800
FVH	(80°-90°)	36.1	0.6			G1/100
BL	(0°-30°)	500.4	8.5	B2/1000		
BM	(30°-60°)	1304.6	22.2	B2/2500		
BH	(60°-80°)	1097.3	18.7	B3/2500		G3/2500
BVH	(80°-90°)	36.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2
2.5°	1106.2	1107.1	1106.6	1107.8	1107.4	1107.4	1106.8	1105.6	1104.8	1104.3	1104.4
5°	1116.8	1115.6	1117.5	1119.4	1118.8	1119.0	1118.8	1118.7	1118.1	1118.0	1118.0
7.5°	1128.2	1127.8	1129.1	1134.1	1134.8	1136.6	1138.8	1140.4	1140.7	1141.0	1140.7
10°	1137.8	1138.2	1141.3	1148.5	1152.3	1158.2	1164.2	1168.9	1170.6	1171.7	1171.6
12.5°	1145.7	1146.0	1150.8	1162.0	1171.1	1182.4	1195.2	1202.4	1205.6	1206.2	1206.8
15°	1146.4	1147.3	1155.4	1173.9	1192.1	1210.6	1225.9	1235.7	1238.2	1239.9	1240.0
17.5°	1138.2	1138.8	1152.6	1179.8	1210.3	1239.2	1255.1	1259.5	1260.5	1261.1	1260.8
20°	1116.8	1118.4	1137.9	1178.3	1224.7	1262.4	1278.9	1273.0	1270.0	1269.7	1269.3
22.5°	1082.4	1082.0	1107.4	1162.0	1227.6	1280.5	1295.3	1279.6	1270.4	1268.4	1267.1
25°	1026.6	1030.3	1060.1	1125.4	1211.6	1284.6	1306.9	1283.0	1269.7	1266.8	1263.2
27.5°	966.0	968.2	999.9	1069.8	1174.2	1270.5	1312.5	1289.9	1275.0	1270.9	1266.7
30°	895.5	898.3	932.2	1005.2	1114.4	1234.1	1311.0	1305.6	1288.2	1283.2	1277.9
32.5°	826.5	829.6	860.1	940.0	1051.4	1184.2	1301.6	1327.8	1310.0	1304.4	1299.0
35°	755.0	759.8	796.8	877.6	990.5	1128.8	1287.2	1356.4	1346.6	1341.6	1336.8
37.5°	695.8	696.7	732.4	817.4	934.0	1075.8	1268.0	1392.4	1399.7	1399.7	1400.3
40°	629.6	635.6	671.3	761.0	883.0	1031.0	1249.8	1441.4	1478.8	1485.7	1491.0
42.5°	570.4	571.0	607.3	699.8	827.4	994.9	1239.8	1500.3	1580.4	1595.1	1609.7
45°	508.0	510.4	543.4	632.8	763.4	952.2	1239.4	1568.4	1696.3	1720.9	1743.6
47.5°	449.0	450.0	484.8	567.8	690.1	892.6	1237.2	1641.4	1815.6	1851.8	1881.4
50°	392.6	391.6	425.8	505.8	617.7	814.6	1218.1	1724.2	1944.2	1985.4	2021.9
52.5°	328.0	332.4	367.8	444.3	551.8	735.2	1162.3	1814.8	2077.9	2125.6	2171.4
55°	264.6	266.5	304.5	376.0	485.0	661.2	1065.2	1898.2	2208.3	2262.4	2313.4
57.5°	195.0	200.7	234.0	304.4	417.4	598.8	941.6	1941.5	2318.9	2381.3	2441.8
60°	137.6	142.0	171.6	230.8	343.0	533.3	835.3	1917.4	2407.8	2487.5	2560.3
62.5°	107.2	110.6	134.2	172.8	267.4	467.8	759.1	1839.3	2506.5	2610.4	2709.7
65°	94.1	97.2	118.5	138.2	199.8	401.0	717.4	1756.8	2638.8	2792.0	2930.4
67.5°	85.0	88.7	107.2	121.0	162.7	349.9	706.4	1704.8	2703.7	2903.1	3089.7
69°	80.9	84.6	101.3	112.9	151.2	331.8	687.6	1623.0	2616.1	2829.3	3033.0
70°	78.4	81.5	96.8	108.8	147.4	319.2	656.2	1520.7	2496.0	2711.2	2924.2
72.5°	72.8	74.4	87.8	99.4	136.8	258.0	504.8	1129.4	1974.9	2184.8	2391.4
75°	64.2	66.2	78.7	90.0	106.6	160.2	319.5	698.6	1329.7	1486.1	1677.8
77.5°	55.5	57.0	68.1	85.9	82.8	100.0	191.0	388.8	754.8	845.7	970.4
80°	44.5	46.4	56.2	85.3	68.4	77.8	137.4	271.8	370.6	397.7	427.6
82.5°	32.6	34.2	43.9	69.0	52.4	58.6	104.7	230.4	264.8	277.1	283.1
85°	16.6	16.9	28.0	42.0	33.2	30.4	59.0	157.7	179.7	182.7	187.4
87.5°	2.8	2.8	6.2	7.2	8.2	5.0	7.5	27.0	31.2	31.0	33.6
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°	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2
2.5°	1104.8	1104.6	1104.9	1105.0	1105.4	1104.2	1103.9	1103.7	1103.7	1104.4	1103.7
5°	1118.2	1118.2	1118.4	1118.9	1118.8	1118.0	1117.9	1118.1	1117.2	1116.8	1117.5
7.5°	1141.3	1141.0	1140.4	1141.4	1142.1	1142.1	1142.8	1142.2	1141.9	1141.6	1142.2
10°	1172.7	1172.5	1172.6	1173.7	1174.5	1174.6	1175.4	1174.6	1174.2	1174.8	1174.8
12.5°	1207.9	1207.2	1208.8	1209.4	1210.3	1212.2	1211.2	1212.5	1211.6	1213.1	1213.1
15°	1241.1	1241.5	1242.9	1243.5	1243.7	1245.2	1245.5	1246.4	1245.1	1245.4	1248.0
17.5°	1261.7	1261.4	1262.3	1262.8	1263.6	1264.5	1265.9	1266.8	1266.1	1266.2	1267.4
20°	1268.7	1267.7	1268.0	1268.4	1268.6	1269.3	1270.4	1270.5	1270.5	1270.8	1272.0
22.5°	1265.2	1263.6	1262.0	1262.2	1262.3	1262.1	1262.8	1263.3	1263.9	1264.6	1266.1
25°	1260.5	1256.9	1253.9	1253.6	1252.8	1252.8	1253.2	1253.2	1253.8	1254.8	1256.1
27.5°	1261.0	1256.2	1251.4	1249.7	1248.0	1246.9	1246.5	1245.8	1246.4	1247.3	1248.6
30°	1271.7	1264.2	1257.3	1255.2	1252.7	1250.6	1248.8	1246.6	1245.4	1246.4	1246.9
32.5°	1290.6	1283.2	1276.4	1273.0	1269.5	1265.8	1262.3	1260.2	1257.4	1256.4	1256.1
35°	1330.7	1324.9	1318.8	1314.9	1309.1	1306.2	1302.0	1295.9	1291.5	1291.2	1288.6
37.5°	1398.4	1395.6	1391.2	1387.1	1385.3	1377.4	1372.4	1369.2	1364.2	1367.4	1362.1
40°	1495.7	1500.4	1504.4	1502.0	1502.8	1500.7	1497.7	1500.6	1497.2	1496.2	1497.2
42.5°	1620.3	1636.8	1648.3	1651.9	1661.2	1664.9	1671.7	1682.2	1680.0	1691.9	1694.1
45°	1764.8	1788.4	1811.4	1828.5	1847.2	1868.4	1889.6	1906.4	1919.6	1918.9	1933.4
47.5°	1912.0	1947.0	1977.6	2003.3	2037.0	2068.0	2102.3	2136.8	2162.0	2171.4	2174.4
50°	2061.3	2101.6	2143.4	2181.3	2226.7	2276.5	2330.4	2384.2	2411.2	2433.1	2447.8
52.5°	2217.6	2263.7	2308.3	2361.8	2417.8	2483.6	2550.8	2627.6	2668.3	2709.7	2731.6
55°	2366.3	2417.9	2463.9	2535.4	2604.2	2682.6	2770.5	2867.4	2938.0	2986.6	3029.5
57.5°	2501.4	2556.3	2612.8	2693.5	2781.1	2872.8	2984.2	3101.9	3178.8	3263.4	3339.6
60°	2633.4	2702.4	2767.4	2872.9	2977.1	3091.0	3229.8	3378.8	3497.6	3612.7	3700.4
62.5°	2808.4	2897.0	2977.8	3110.4	3246.6	3387.4	3552.4	3728.7	3901.2	4057.3	4175.6
65°	3066.8	3197.1	3318.0	3486.1	3658.0	3843.3	4040.3	4265.5	4472.4	4679.0	4848.4
67.5°	3263.1	3428.0	3583.2	3786.5	3988.8	4203.6	4441.7	4707.6	4963.8	5196.8	5403.0
69°	3224.6	3399.5	3567.6	3775.0	3985.4	4204.8	4444.9	4727.7	4993.8	5246.9	5468.3
70°	3107.4	3289.6	3463.8	3669.6	3882.7	4102.7	4354.1	4631.8	4904.2	5173.8	5397.4
72.5°	2575.3	2758.1	2927.2	3138.0	3352.4	3583.5	3821.5	4092.1	4383.1	4671.2	4867.2
75°	1846.4	2008.1	2172.0	2350.2	2559.4	2749.9	2967.6	3225.8	3470.4	3693.9	3843.8
77.5°	1091.3	1188.1	1305.0	1388.8	1510.3	1615.1	1725.9	1869.4	1944.6	2088.8	2125.8
80°	444.7	442.0	459.4	442.2	446.0	432.0	417.0	414.2	390.6	420.2	398.2
82.5°	282.5	262.7	241.8	212.7	187.0	160.1	135.4	114.8	111.0	111.6	110.4
85°	186.0	177.5	158.6	133.4	108.8	87.2	69.8	55.2	54.6	53.6	53.3
87.5°	33.7	31.3	25.8	22.0	18.5	13.8	9.7	7.2	6.9	6.9	8.2
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):

	84°	85°	86°	87°	88°	89°	90°
0°	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2	1101.2
2.5°	1103.7	1103.7	1103.4	1104.0	1103.7	1102.8	1101.8
5°	1118.1	1116.8	1117.8	1118.8	1117.2	1117.5	1116.9
7.5°	1142.3	1141.9	1142.2	1141.4	1140.7	1141.6	1142.6
10°	1176.1	1175.4	1175.2	1176.1	1175.5	1174.9	1175.2
12.5°	1214.1	1214.1	1213.8	1214.0	1213.8	1212.8	1212.2
15°	1247.6	1248.2	1248.2	1247.6	1247.3	1247.0	1247.3
17.5°	1268.3	1268.0	1268.0	1268.0	1267.6	1268.0	1268.6
20°	1273.6	1272.7	1272.7	1273.4	1272.7	1273.4	1273.6
22.5°	1266.4	1266.4	1266.4	1266.8	1267.4	1267.4	1268.0
25°	1257.4	1257.4	1257.3	1257.9	1257.9	1258.2	1258.6
27.5°	1250.1	1250.2	1250.1	1250.8	1250.8	1251.1	1251.7
30°	1247.9	1247.9	1247.6	1247.9	1248.2	1248.2	1248.5
32.5°	1256.4	1255.4	1255.1	1254.5	1253.9	1253.9	1253.6
35°	1286.2	1283.6	1284.0	1282.1	1282.7	1281.2	1279.9
37.5°	1358.6	1356.1	1353.2	1349.6	1347.3	1350.2	1350.1
40°	1494.0	1495.6	1488.7	1486.8	1482.8	1485.6	1489.4
42.5°	1695.4	1697.2	1698.5	1688.2	1687.8	1685.6	1679.4
45°	1934.0	1929.6	1931.5	1926.8	1924.8	1918.0	1926.4
47.5°	2186.4	2189.2	2177.9	2174.2	2180.8	2169.4	2171.0
50°	2456.4	2457.0	2448.5	2446.6	2452.6	2431.2	2441.3
52.5°	2747.3	2748.6	2755.1	2747.3	2750.4	2745.4	2755.5
55°	3056.8	3080.3	3082.5	3091.0	3091.6	3102.0	3091.6
57.5°	3381.9	3408.6	3433.6	3467.8	3475.4	3471.3	3477.9
60°	3773.6	3843.4	3881.1	3934.7	3943.2	3966.4	3946.3
62.5°	4286.5	4395.3	4477.4	4518.8	4544.0	4592.6	4576.5
65°	5003.9	5133.4	5258.2	5317.8	5383.6	5452.6	5465.1
67.5°	5591.5	5735.4	5865.2	5968.4	6048.7	6099.4	6103.5
69°	5664.8	5817.8	5954.5	6069.4	6147.4	6199.4	6213.3
70°	5598.7	5755.2	5900.0	6009.4	6096.6	6149.7	6168.1
72.5°	5072.9	5259.1	5375.2	5486.8	5609.6	5625.7	5676.5
75°	4015.6	4182.7	4296.6	4326.0	4390.3	4471.2	4442.3
77.5°	2094.5	2167.2	2191.4	2140.0	2137.4	2184.8	2090.7
80°	398.8	399.5	392.8	390.3	395.0	390.4	383.8
82.5°	112.6	111.0	110.0	112.6	112.2	111.9	114.1
85°	52.0	50.4	48.0	48.0	49.2	47.4	48.3
87.5°	7.2	5.9	6.0	6.0	5.6	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)