

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: NEO-RAY

Report Number: P331833-830

Luminaire Tested: **S122RDIW-S865D970U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331833-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S865D970U830-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6761.2 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

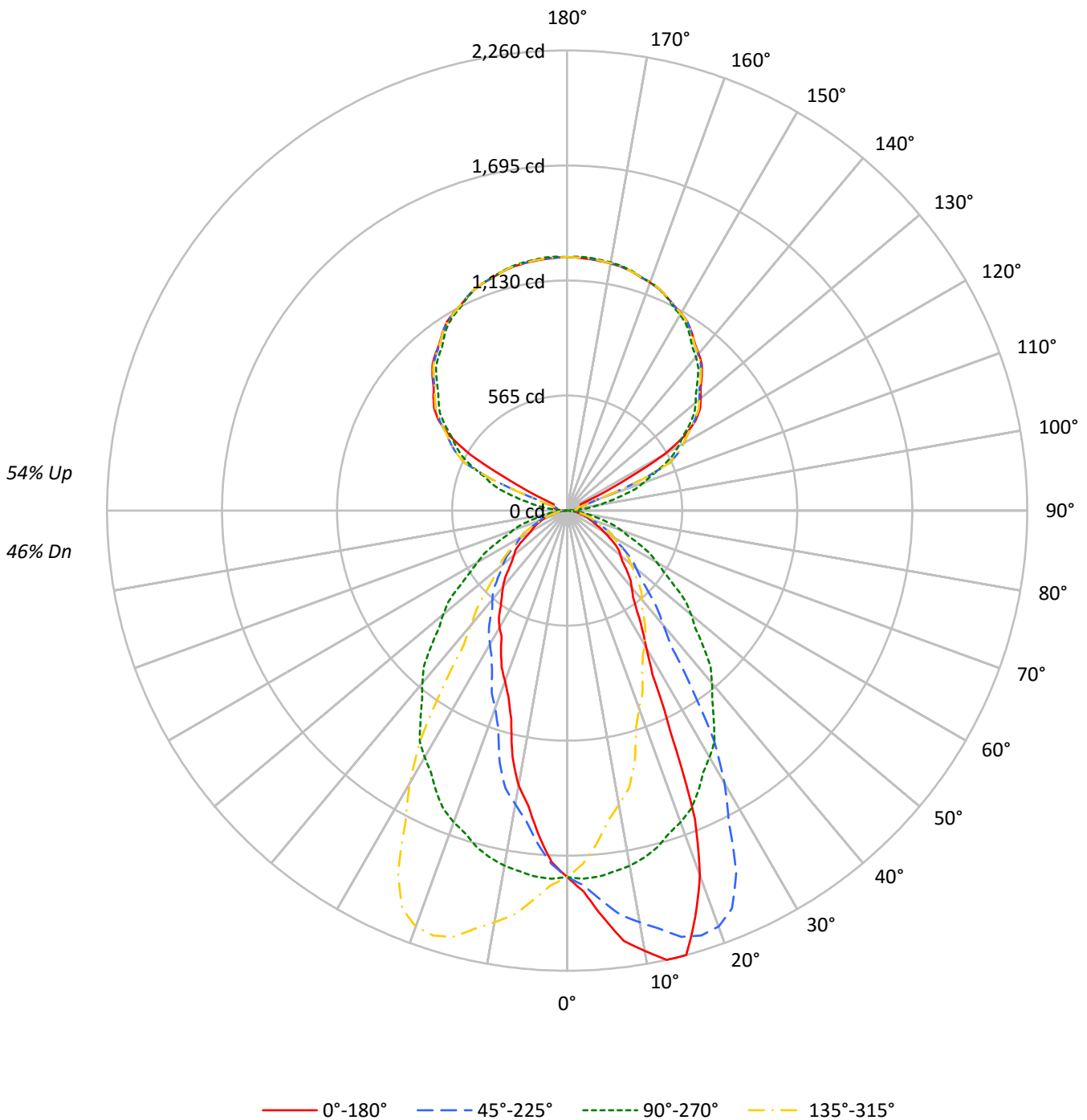
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	98	94	90	87	89	86	83	80	72	70	68	59	58	56	47	47	46	40
2	89	83	77	72	82	76	71	67	64	61	57	53	51	48	43	41	40	35
3	82	73	66	61	75	68	62	57	57	53	49	48	44	42	39	36	35	30
4	76	65	58	52	69	61	54	49	51	47	43	43	39	37	35	33	31	27
5	70	59	51	45	64	54	48	43	46	41	37	39	35	32	32	29	27	24
6	64	53	45	40	59	49	42	38	42	37	33	36	32	29	29	27	24	22
7	60	48	41	35	55	45	38	33	39	33	30	33	29	26	27	24	22	19
8	56	44	37	31	51	41	34	30	35	30	27	30	26	23	25	22	20	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	23	20	18	16
10	49	37	30	26	45	35	29	24	30	25	22	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	29061	29061	29061	29061
5°	32456	29242	25929	29242
10°	36008	29037	22474	29037
15°	37778	28612	17708	28612
20°	32752	27981	15323	27981
25°	21480	27118	13682	27118
30°	14458	26071	12381	26071
35°	11710	24750	11168	24750
40°	10414	23317	10334	23317
45°	9423	21633	9225	21633
50°	8578	19964	8545	19964
55°	8062	18117	7958	18117
60°	6746	16417	6665	16417
65°	5685	14907	6449	14907
70°	5254	13312	6080	13312
75°	4916	11591	5614	11591
80°	4537	9530	5002	9530
85°	4168	7521	4409	7521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	2.5
10°-20°	475.4	7.0
20°-30°	612.6	9.1
30°-40°	582.2	8.6
40°-50°	498.7	7.4
50°-60°	379.8	5.6
60°-70°	240.1	3.6
70°-80°	119.9	1.8
80°-90°	34.3	0.5
90°-100°	41.5	0.6
100°-110°	152.3	2.3
110°-120°	407.0	6.0
120°-130°	671.8	9.9
130°-140°	714.5	10.6
140°-150°	664.1	9.8
150°-160°	533.9	7.9
160°-170°	344.1	5.1
170°-180°	118.4	1.8
0°-30°	1258.6	18.6
0°-40°	1840.8	27.2
0°-60°	2719.4	40.2
0°-90°	3113.6	46.1
90°-120°	600.8	8.9
90°-150°	2651.1	39.2
90°-180°	3648.0	54.0
0°-180°	6761.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1800	1800	1800	1800	1800	
5°	2002	1804	1600	1804	2002	198
15°	2260	1712	1059	1712	2260	610
25°	1206	1522	768	1522	1206	572
35°	594	1256	567	1256	594	380
45°	413	947	404	947	413	319
55°	286	644	283	644	286	251
65°	149	390	169	390	149	152
75°	79	186	90	186	79	84
85°	22	41	24	41	22	25
90°	24	1	24	1	24	12
95°	39	58	39	58	39	36
105°	68	274	68	274	68	71
115°	74	518	74	518	74	185
125°	770	732	770	732	770	666
135°	936	906	936	906	936	721
145°	1067	1051	1067	1051	1067	667
155°	1158	1157	1158	1157	1158	534
165°	1217	1220	1217	1220	1217	344
175°	1240	1247	1240	1247	1240	118
180°	1245	1245	1245	1245	1245	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1872.9	1874.4	1875.9	1872.4	1872.4	1869.4	1862.9	1857.9	1843.9	1841.9	1841.9
5°	2002.5	2001.2	2003.8	1995.6	1984.3	1981.9	1970.0	1954.4	1938.1	1920.0	1916.2
7.5°	2131.3	2129.4	2124.4	2123.1	2114.4	2095.6	2076.4	2056.1	2029.0	2002.6	1989.3
10°	2196.3	2217.0	2204.5	2182.6	2187.0	2157.6	2141.9	2115.1	2092.5	2053.1	2044.4
12.5°	2260.4	2268.5	2264.6	2252.1	2246.6	2226.1	2205.0	2181.6	2140.0	2104.7	2073.9
15°	2260.1	2272.0	2275.1	2271.4	2274.5	2273.3	2262.0	2242.6	2206.4	2167.6	2133.8
17.5°	2093.3	2101.6	2122.0	2135.9	2153.4	2190.5	2208.8	2215.8	2210.5	2188.3	2164.5
20°	1906.2	1892.4	1949.9	1979.3	2004.3	2066.9	2120.7	2141.4	2174.4	2173.9	2167.6
22.5°	1641.0	1644.3	1698.8	1733.7	1806.8	1869.3	1930.6	2008.3	2072.4	2114.8	2139.6
25°	1205.7	1229.5	1283.9	1331.4	1412.8	1529.1	1634.7	1757.4	1873.0	1964.4	2051.3
27.5°	905.6	907.3	950.5	994.4	1042.6	1137.9	1271.0	1417.4	1582.3	1718.4	1875.0
30°	775.5	771.8	789.9	816.7	858.0	931.8	1031.9	1175.7	1340.2	1545.3	1728.0
32.5°	683.4	683.6	697.3	717.2	751.5	801.3	869.8	986.7	1142.1	1343.7	1557.8
35°	594.1	593.5	603.5	617.8	632.3	664.1	711.1	772.3	879.3	1067.5	1286.4
37.5°	530.1	532.8	537.7	546.7	562.6	580.3	608.5	649.7	725.9	837.2	1021.2
40°	494.1	495.3	502.2	509.7	519.1	532.8	556.0	589.1	644.8	733.6	868.0
42.5°	461.0	462.3	467.1	474.2	481.5	495.3	514.4	543.1	588.2	657.5	768.5
45°	412.7	412.7	417.2	420.3	428.4	440.9	456.6	480.3	511.5	562.9	636.7
47.5°	367.5	367.6	370.5	375.9	381.0	390.8	406.1	425.6	448.3	488.0	551.0
50°	341.5	342.0	343.9	348.4	351.5	360.2	372.1	389.0	412.7	443.4	496.0
52.5°	320.5	320.1	322.4	324.3	326.5	332.7	341.6	356.5	377.8	404.4	447.9
55°	286.4	283.9	287.7	290.8	292.7	295.2	300.2	309.5	327.7	350.2	382.8
57.5°	243.9	242.9	245.5	248.4	254.3	261.0	265.3	271.3	280.7	296.8	329.0
60°	208.9	208.9	214.5	216.4	223.3	232.1	240.8	245.8	255.1	265.8	289.5
62.5°	177.9	178.3	181.0	182.9	186.7	197.5	209.7	220.7	229.6	239.8	255.5
65°	148.8	150.1	150.1	151.4	153.8	156.4	161.4	170.1	185.8	200.1	212.0
67.5°	126.3	126.7	127.1	128.4	128.9	131.7	133.7	137.6	141.2	154.9	169.6
70°	111.3	113.2	112.5	113.9	114.4	115.6	118.2	120.1	125.7	128.8	137.6
72.5°	97.3	98.7	98.6	99.3	100.9	101.2	103.2	105.1	108.7	111.3	116.0
75°	78.8	78.1	78.8	80.0	80.7	81.3	81.3	83.8	85.7	88.2	91.3
77.5°	60.8	61.5	61.3	61.5	61.5	62.7	62.6	63.6	65.5	66.8	68.3
80°	48.8	49.4	48.8	49.4	50.0	50.6	50.0	50.6	52.5	53.8	53.8
82.5°	37.8	37.9	38.3	38.4	38.5	38.6	39.5	39.7	41.0	40.8	41.3
85°	22.5	21.9	21.9	21.9	22.5	23.1	22.5	22.5	23.1	23.1	23.1
87.5°	12.9	13.3	13.2	13.1	13.0	12.9	12.7	13.0	12.3	12.6	11.8
90°	24.3	23.9	23.5	23.1	22.7	22.1	21.0	20.0	19.0	18.0	16.4
92.5°	24.3	24.0	23.8	23.6	23.4	23.0	22.4	22.0	21.4	20.9	20.1
95°	38.7	38.9	39.1	39.3	39.5	39.1	38.2	37.1	36.1	35.2	33.7
97.5°	51.7	51.5	51.2	51.0	50.7	50.2	49.4	48.6	47.8	47.0	43.7
100°	60.3	59.9	59.6	59.1	58.7	57.8	56.2	54.6	53.0	51.4	48.0
102.5°	64.7	64.1	63.5	63.0	62.4	61.1	59.0	56.9	54.9	52.8	81.2
105°	68.4	67.7	66.8	66.1	65.2	63.7	61.5	59.4	57.1	55.0	109.6
107.5°	70.4	69.7	68.8	68.1	67.2	68.0	70.2	72.4	74.6	76.9	142.4
110°	71.2	70.3	69.6	68.7	68.0	77.6	97.6	117.5	137.6	157.6	215.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	71.9	71.3	70.6	69.9	69.3	105.5	178.5	251.5	324.5	397.6	411.8
115°	73.9	88.2	102.6	117.1	131.5	185.0	277.7	370.3	463.0	555.7	550.7
117.5°	301.5	348.9	396.2	443.6	491.0	525.8	548.3	570.6	593.0	615.5	612.1
120°	549.4	576.4	603.4	630.5	657.4	669.8	667.3	665.0	662.6	660.2	656.6
122.5°	685.6	690.8	696.1	701.3	706.5	708.4	707.0	705.6	704.1	702.7	698.7
125°	770.1	769.4	768.8	768.3	767.6	766.7	765.3	763.8	762.4	761.0	757.2
127.5°	823.3	823.2	823.1	823.0	822.8	821.8	819.7	817.7	815.7	813.6	810.8
130°	856.5	856.7	856.9	857.1	857.3	856.3	854.1	851.9	849.7	847.5	845.3
132.5°	888.9	889.1	889.3	889.5	889.8	888.9	887.0	885.1	883.3	881.4	879.1
135°	935.8	936.1	936.5	937.0	937.4	936.5	934.5	932.6	930.6	928.6	926.7
137.5°	978.5	979.1	979.8	980.5	981.2	980.5	978.5	976.6	974.7	972.7	970.6
140°	1005.1	1006.1	1007.1	1008.1	1009.1	1008.7	1006.9	1005.1	1003.3	1001.5	999.3
142.5°	1031.0	1032.1	1033.0	1034.1	1035.0	1034.7	1033.1	1031.4	1029.8	1028.1	1025.7
145°	1067.2	1068.3	1069.2	1070.3	1071.3	1071.0	1069.7	1068.3	1066.9	1065.5	1062.1
147.5°	1099.1	1099.9	1100.8	1101.6	1102.5	1102.4	1101.4	1100.3	1099.3	1098.3	1094.9
150°	1118.6	1119.6	1120.6	1121.6	1122.6	1122.5	1121.2	1120.1	1118.9	1117.7	1114.5
152.5°	1135.2	1136.5	1137.8	1139.2	1140.5	1140.5	1139.3	1138.1	1136.9	1135.7	1132.7
155°	1158.2	1159.8	1161.4	1163.0	1164.6	1164.8	1163.6	1162.4	1161.2	1160.0	1157.6
157.5°	1179.3	1180.8	1182.4	1183.9	1185.5	1185.6	1184.3	1182.9	1181.6	1180.2	1178.5
160°	1191.6	1193.0	1194.3	1195.7	1197.1	1197.2	1196.0	1194.9	1193.6	1192.4	1191.3
162.5°	1201.6	1203.3	1205.0	1206.7	1208.5	1208.7	1207.3	1206.0	1204.6	1203.2	1202.2
165°	1216.7	1218.1	1219.6	1221.0	1222.4	1222.4	1221.0	1219.6	1218.1	1216.7	1216.2
167.5°	1226.3	1228.1	1229.9	1231.7	1233.5	1233.7	1232.3	1230.9	1229.5	1228.1	1227.6
170°	1232.1	1233.9	1235.7	1237.5	1239.3	1239.4	1238.0	1236.7	1235.3	1233.9	1233.5
172.5°	1236.4	1238.2	1240.0	1241.8	1243.6	1243.8	1242.4	1241.0	1239.6	1238.2	1237.7
175°	1240.2	1242.2	1244.2	1246.1	1248.2	1248.5	1247.1	1245.7	1244.3	1242.8	1242.5
177.5°	1242.6	1244.0	1245.4	1246.8	1248.3	1248.4	1247.3	1246.2	1245.1	1244.0	1243.8
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1842.9	1838.9	1835.4	1826.4	1821.8	1811.8	1810.3	1809.9	1796.9	1784.3	1780.8
5°	1906.2	1896.2	1881.1	1863.7	1845.5	1826.7	1814.2	1804.2	1779.2	1755.5	1741.7
7.5°	1970.0	1948.4	1922.6	1889.4	1861.8	1830.8	1807.7	1787.1	1751.6	1717.6	1694.7
10°	2017.5	1982.4	1948.0	1902.4	1866.8	1831.7	1799.2	1771.1	1731.1	1686.0	1654.2
12.5°	2047.0	2008.5	1961.1	1916.5	1870.3	1825.7	1782.3	1746.1	1699.0	1652.6	1614.6
15°	2086.9	2045.6	1988.1	1924.3	1864.9	1806.8	1756.7	1711.7	1650.4	1594.7	1548.4
17.5°	2119.6	2062.8	2001.0	1927.2	1858.4	1784.5	1720.0	1662.6	1594.3	1527.2	1472.6
20°	2130.1	2073.8	2002.5	1928.7	1847.4	1760.5	1691.0	1628.5	1555.3	1482.1	1419.7
22.5°	2123.5	2079.8	2000.5	1912.1	1828.9	1738.0	1659.5	1587.0	1505.8	1431.2	1358.6
25°	2079.4	2064.4	1989.3	1893.0	1798.0	1692.3	1601.6	1522.2	1429.6	1349.6	1270.7
27.5°	1976.5	2008.8	1962.4	1859.7	1754.1	1640.8	1538.8	1448.4	1352.4	1262.3	1183.7
30°	1877.5	1951.8	1931.8	1836.7	1718.5	1607.2	1492.8	1398.4	1295.8	1203.2	1125.7
32.5°	1741.8	1864.7	1884.3	1804.8	1682.5	1560.2	1440.3	1346.3	1239.3	1141.7	1066.1
35°	1526.0	1709.8	1794.2	1743.6	1621.0	1489.0	1365.2	1255.7	1148.2	1051.9	976.9
37.5°	1268.4	1518.8	1659.5	1663.1	1550.6	1413.3	1278.6	1169.9	1059.8	965.3	884.0
40°	1101.3	1372.7	1555.9	1596.6	1501.6	1353.3	1217.0	1106.3	998.7	906.2	813.0
42.5°	951.2	1221.6	1446.9	1517.6	1442.0	1294.8	1158.0	1042.3	937.7	850.2	755.0
45°	769.2	1005.6	1253.9	1380.3	1338.3	1202.0	1057.5	947.4	849.2	773.6	682.3
47.5°	648.9	815.5	1055.7	1226.6	1225.9	1101.5	959.3	853.9	762.8	691.9	618.0
50°	580.3	725.5	928.7	1122.6	1138.8	1034.3	899.3	794.8	709.8	635.4	576.0
52.5°	518.8	638.4	821.1	1007.0	1053.3	962.8	831.8	735.4	652.8	584.4	533.5
55°	438.4	530.9	669.8	843.7	913.7	849.9	733.6	643.6	576.6	519.1	475.3
57.5°	370.9	440.3	551.7	691.6	773.3	733.1	637.2	564.0	506.7	454.7	420.1
60°	328.3	385.2	479.7	596.6	686.6	658.6	576.6	508.4	459.7	414.6	382.1
62.5°	288.3	337.2	418.1	513.0	595.6	584.0	517.1	459.9	417.2	376.1	348.6
65°	232.1	267.7	330.8	405.3	471.6	477.2	429.0	390.2	352.1	319.6	295.2
67.5°	184.7	208.0	252.5	315.2	364.9	382.6	353.2	323.6	293.3	268.2	247.0
70°	155.7	174.5	207.0	257.7	303.3	322.1	305.2	282.0	255.8	235.2	217.0
72.5°	126.2	144.5	168.4	205.7	244.8	265.0	259.2	242.5	221.2	204.2	187.0
75°	95.1	100.7	117.0	141.9	172.6	190.1	194.5	185.8	168.8	155.7	145.7
77.5°	70.3	73.7	81.4	94.5	114.6	130.2	136.6	135.5	123.9	116.3	107.0
80°	56.3	58.2	61.9	67.6	82.6	98.2	102.5	102.5	94.4	91.3	81.9
82.5°	42.8	44.1	46.4	49.5	56.6	70.1	75.0	76.1	70.9	66.8	59.4
85°	24.4	23.8	25.0	26.9	28.2	31.9	39.4	40.6	39.4	34.4	32.5
87.5°	11.5	11.7	11.3	10.5	10.5	10.6	12.6	14.7	13.1	12.1	11.5
90°	14.8	13.2	11.6	9.7	7.5	5.3	3.1	0.9	3.1	5.3	7.5
92.5°	19.3	18.5	17.7	17.4	17.6	17.8	18.0	18.2	18.0	17.8	17.6
95°	32.3	30.9	29.5	32.1	38.7	45.3	51.9	58.5	51.9	45.3	38.7
97.5°	40.5	37.3	34.0	41.8	60.3	79.0	97.6	116.2	97.6	79.0	60.3
100°	44.5	41.1	37.7	49.8	77.2	104.5	132.0	159.4	132.0	104.5	77.2
102.5°	109.7	138.2	166.6	183.7	189.5	195.4	201.1	207.0	201.1	195.4	189.5
105°	164.2	218.9	273.5	297.8	291.8	285.8	279.8	273.8	279.8	285.8	291.8
107.5°	207.9	273.5	339.0	369.4	364.5	359.7	354.9	350.0	354.9	359.7	364.5
110°	273.3	331.1	389.0	415.8	411.6	407.4	403.2	399.0	403.2	407.4	411.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	426.1	440.5	454.7	460.0	456.3	452.5	448.8	445.1	448.8	452.5	456.3
115°	545.6	540.6	535.6	531.5	528.1	524.7	521.2	517.8	521.2	524.7	528.1
117.5°	608.6	605.2	601.7	598.1	594.3	590.5	586.7	582.9	586.7	590.5	594.3
120°	653.0	649.3	645.7	642.4	639.4	636.4	633.5	630.5	633.5	636.4	639.4
122.5°	694.8	690.9	687.0	683.4	680.2	677.1	673.9	670.8	673.9	677.1	680.2
125°	753.5	749.6	745.8	742.6	740.0	737.4	734.8	732.2	734.8	737.4	740.0
127.5°	807.9	805.1	802.3	799.4	796.5	793.6	790.8	787.9	790.8	793.6	796.5
130°	843.1	840.8	838.7	835.9	832.7	829.6	826.4	823.2	826.4	829.6	832.7
132.5°	876.9	874.8	872.5	870.1	867.3	864.7	862.0	859.2	862.0	864.7	867.3
135°	924.9	923.1	921.3	918.9	915.7	912.5	909.3	906.1	909.3	912.5	915.7
137.5°	968.6	966.6	964.5	962.3	960.2	957.9	955.6	953.4	955.6	957.9	960.2
140°	997.1	994.9	992.7	990.8	989.2	987.6	986.0	984.4	986.0	987.6	989.2
142.5°	1023.1	1020.6	1018.0	1016.1	1014.6	1013.2	1011.7	1010.3	1011.7	1013.2	1014.6
145°	1058.7	1055.3	1051.9	1050.3	1050.5	1050.7	1050.8	1051.0	1050.8	1050.7	1050.5
147.5°	1091.5	1088.2	1084.8	1083.5	1084.2	1085.0	1085.7	1086.6	1085.7	1085.0	1084.2
150°	1111.3	1108.1	1104.8	1104.0	1105.4	1106.7	1108.1	1109.6	1108.1	1106.7	1105.4
152.5°	1129.6	1126.5	1123.5	1122.8	1124.4	1125.9	1127.5	1129.1	1127.5	1125.9	1124.4
155°	1155.2	1152.8	1150.4	1150.1	1151.9	1153.7	1155.5	1157.3	1155.5	1153.7	1151.9
157.5°	1176.9	1175.2	1173.5	1173.4	1174.9	1176.4	1178.0	1179.5	1178.0	1176.4	1174.9
160°	1190.1	1188.8	1187.6	1187.6	1188.8	1190.1	1191.3	1192.4	1191.3	1190.1	1188.8
162.5°	1201.2	1200.1	1199.1	1199.2	1200.3	1201.6	1202.8	1204.0	1202.8	1201.6	1200.3
165°	1215.5	1214.9	1214.4	1214.7	1215.9	1217.0	1218.2	1219.5	1218.2	1217.0	1215.9
167.5°	1227.0	1226.4	1225.9	1226.2	1227.4	1228.6	1229.7	1231.0	1229.7	1228.6	1227.4
170°	1233.0	1232.7	1232.3	1232.7	1233.9	1235.1	1236.2	1237.5	1236.2	1235.1	1233.9
172.5°	1237.4	1237.0	1236.6	1237.0	1238.2	1239.3	1240.6	1241.8	1240.6	1239.3	1238.2
175°	1242.1	1241.7	1241.2	1241.8	1243.2	1244.5	1245.9	1247.4	1245.9	1244.5	1243.2
177.5°	1243.6	1243.5	1243.3	1243.8	1244.9	1246.0	1247.2	1248.3	1247.2	1246.0	1244.9
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1774.3	1770.8	1764.3	1754.4	1748.3	1737.9	1730.8	1734.8	1735.8	1734.8	1733.8
5°	1726.6	1713.5	1695.4	1677.9	1661.6	1644.2	1634.1	1629.8	1621.0	1616.0	1613.5
7.5°	1669.1	1646.4	1620.7	1590.3	1564.3	1537.2	1523.3	1516.5	1498.5	1488.7	1480.3
10°	1626.0	1590.4	1564.7	1524.7	1500.3	1464.6	1440.3	1440.9	1416.5	1402.7	1392.7
12.5°	1578.5	1539.4	1496.7	1460.7	1426.7	1398.1	1368.8	1356.8	1331.0	1317.7	1290.6
15°	1499.7	1454.1	1409.0	1360.2	1325.8	1281.4	1238.9	1186.9	1145.1	1108.8	1098.8
17.5°	1413.6	1357.1	1311.9	1254.6	1195.7	1121.1	1071.8	1041.6	1016.3	997.2	983.0
20°	1354.6	1297.0	1248.9	1162.6	1083.2	1032.6	996.3	973.1	946.9	926.2	914.9
22.5°	1292.5	1232.5	1166.9	1070.5	1008.6	968.0	935.7	909.1	891.3	875.2	864.9
25°	1204.5	1138.8	1030.7	964.3	914.3	871.8	849.2	833.0	814.3	792.4	782.3
27.5°	1111.4	1007.0	929.3	880.1	832.3	804.6	784.4	760.1	743.3	733.5	723.0
30°	1041.9	937.5	876.8	823.0	789.2	758.6	734.8	721.0	704.8	688.0	681.1
32.5°	964.3	880.9	822.7	778.0	743.7	717.6	698.8	676.6	664.8	654.4	640.0
35°	868.0	804.8	751.7	715.5	683.0	661.7	639.8	626.6	605.4	596.6	591.0
37.5°	786.5	731.7	692.0	653.7	628.0	604.5	591.1	570.2	561.0	548.8	537.0
40°	740.5	686.6	648.6	617.3	588.5	571.0	554.1	537.2	523.5	517.8	503.4
42.5°	693.4	649.7	611.5	577.2	558.0	539.4	518.1	505.7	491.4	482.3	473.4
45°	628.5	589.7	557.2	529.0	507.8	488.4	474.7	454.0	445.9	427.7	420.3
47.5°	571.5	535.5	504.4	477.7	456.9	444.3	424.1	408.0	395.0	383.9	374.2
50°	530.9	501.0	470.9	447.1	428.4	410.3	389.6	381.4	361.5	355.8	350.2
52.5°	493.9	465.4	437.9	414.6	395.9	378.2	360.1	349.5	335.9	330.4	326.2
55°	442.1	414.6	388.3	367.7	348.9	330.8	319.6	306.4	300.2	295.8	290.8
57.5°	390.1	365.3	345.3	324.3	305.5	291.1	278.1	270.1	263.6	257.9	251.9
60°	357.1	333.3	315.2	295.8	276.4	264.6	254.5	245.2	237.6	228.8	226.4
62.5°	322.1	301.3	284.6	265.8	248.9	238.0	228.5	219.6	210.7	197.8	194.4
65°	273.9	257.7	240.2	224.5	209.5	198.9	185.1	175.1	171.4	170.1	169.5
67.5°	230.4	215.0	200.0	184.0	170.3	160.5	153.4	151.9	149.3	148.5	146.8
70°	201.3	187.0	172.0	156.9	143.8	141.9	139.5	137.0	133.8	132.6	131.3
72.5°	175.3	160.5	145.4	133.5	127.8	125.5	122.9	120.5	118.3	117.1	116.3
75°	134.5	120.7	110.7	106.3	103.2	101.3	97.6	95.7	94.4	92.6	91.9
77.5°	96.8	89.1	84.5	81.7	78.4	76.4	74.3	72.4	71.1	70.7	69.7
80°	73.8	70.0	66.9	63.2	61.9	59.4	58.8	56.9	57.5	55.7	55.7
82.5°	57.3	52.5	49.9	48.2	46.9	44.9	44.3	43.4	43.5	42.1	42.1
85°	29.4	28.2	26.9	25.6	25.6	23.8	24.4	23.8	23.8	22.5	21.9
87.5°	11.4	11.3	10.7	10.9	11.3	11.1	11.3	11.0	11.2	11.4	11.0
90°	9.7	11.6	13.2	14.8	16.4	18.0	19.0	20.0	21.0	22.1	22.7
92.5°	17.4	17.7	18.5	19.3	20.1	20.9	21.4	22.0	22.4	23.0	23.4
95°	32.1	29.5	30.9	32.3	33.7	35.2	36.1	37.1	38.2	39.1	39.5
97.5°	41.8	34.0	37.3	40.5	43.7	47.0	47.8	48.6	49.4	50.2	50.7
100°	49.8	37.7	41.1	44.5	48.0	51.4	53.0	54.6	56.2	57.8	58.7
102.5°	183.7	166.6	138.2	109.7	81.2	52.8	54.9	56.9	59.0	61.1	62.4
105°	297.8	273.5	218.9	164.2	109.6	55.0	57.1	59.4	61.5	63.7	65.2
107.5°	369.4	339.0	273.5	207.9	142.4	76.9	74.6	72.4	70.2	68.0	67.2
110°	415.8	389.0	331.1	273.3	215.5	157.6	137.6	117.5	97.6	77.6	68.0



TEST NUMBER: P331833-830

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	460.0	454.7	440.5	426.1	411.8	397.6	324.5	251.5	178.5	105.5	69.3
115°	531.5	535.6	540.6	545.6	550.7	555.7	463.0	370.3	277.7	185.0	131.5
117.5°	598.1	601.7	605.2	608.6	612.1	615.5	593.0	570.6	548.3	525.8	491.0
120°	642.4	645.7	649.3	653.0	656.6	660.2	662.6	665.0	667.3	669.8	657.4
122.5°	683.4	687.0	690.9	694.8	698.7	702.7	704.1	705.6	707.0	708.4	706.5
125°	742.6	745.8	749.6	753.5	757.2	761.0	762.4	763.8	765.3	766.7	767.6
127.5°	799.4	802.3	805.1	807.9	810.8	813.6	815.7	817.7	819.7	821.8	822.8
130°	835.9	838.7	840.8	843.1	845.3	847.5	849.7	851.9	854.1	856.3	857.3
132.5°	870.1	872.5	874.8	876.9	879.1	881.4	883.3	885.1	887.0	888.9	889.8
135°	918.9	921.3	923.1	924.9	926.7	928.6	930.6	932.6	934.5	936.5	937.4
137.5°	962.3	964.5	966.6	968.6	970.6	972.7	974.7	976.6	978.5	980.5	981.2
140°	990.8	992.7	994.9	997.1	999.3	1001.5	1003.3	1005.1	1006.9	1008.7	1009.1
142.5°	1016.1	1018.0	1020.6	1023.1	1025.7	1028.1	1029.8	1031.4	1033.1	1034.7	1035.0
145°	1050.3	1051.9	1055.3	1058.7	1062.1	1065.5	1066.9	1068.3	1069.7	1071.0	1071.3
147.5°	1083.5	1084.8	1088.2	1091.5	1094.9	1098.3	1099.3	1100.3	1101.4	1102.4	1102.5
150°	1104.0	1104.8	1108.1	1111.3	1114.5	1117.7	1118.9	1120.1	1121.2	1122.5	1122.6
152.5°	1122.8	1123.5	1126.5	1129.6	1132.7	1135.7	1136.9	1138.1	1139.3	1140.5	1140.5
155°	1150.1	1150.4	1152.8	1155.2	1157.6	1160.0	1161.2	1162.4	1163.6	1164.8	1164.6
157.5°	1173.4	1173.5	1175.2	1176.9	1178.5	1180.2	1181.6	1182.9	1184.3	1185.6	1185.5
160°	1187.6	1187.6	1188.8	1190.1	1191.3	1192.4	1193.6	1194.9	1196.0	1197.2	1197.1
162.5°	1199.2	1199.1	1200.1	1201.2	1202.2	1203.2	1204.6	1206.0	1207.3	1208.7	1208.5
165°	1214.7	1214.4	1214.9	1215.5	1216.2	1216.7	1218.1	1219.6	1221.0	1222.4	1222.4
167.5°	1226.2	1225.9	1226.4	1227.0	1227.6	1228.1	1229.5	1230.9	1232.3	1233.7	1233.5
170°	1232.7	1232.3	1232.7	1233.0	1233.5	1233.9	1235.3	1236.7	1238.0	1239.4	1239.3
172.5°	1237.0	1236.6	1237.0	1237.4	1237.7	1238.2	1239.6	1241.0	1242.4	1243.8	1243.6
175°	1241.8	1241.2	1241.7	1242.1	1242.5	1242.8	1244.3	1245.7	1247.1	1248.5	1248.2
177.5°	1243.8	1243.3	1243.5	1243.6	1243.8	1244.0	1245.1	1246.2	1247.3	1248.4	1248.3
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1728.3	1729.3	1727.8	1728.8	1727.8	1729.3	1728.3	1733.8	1734.8	1735.8	1734.8
5°	1610.3	1602.9	1601.6	1599.8	1601.6	1602.9	1610.3	1613.5	1616.0	1621.0	1629.8
7.5°	1469.5	1468.4	1465.3	1460.9	1465.3	1468.4	1469.5	1480.3	1488.7	1498.5	1516.5
10°	1378.9	1375.8	1375.3	1370.8	1375.3	1375.8	1378.9	1392.7	1402.7	1416.5	1440.9
12.5°	1272.9	1252.7	1250.7	1239.7	1250.7	1252.7	1272.9	1290.6	1317.7	1331.0	1356.8
15°	1083.8	1080.1	1067.5	1059.4	1067.5	1080.1	1083.8	1098.8	1108.8	1145.1	1186.9
17.5°	975.7	963.5	959.6	957.8	959.6	963.5	975.7	983.0	997.2	1016.3	1041.6
20°	906.2	894.9	893.1	891.8	893.1	894.9	906.2	914.9	926.2	946.9	973.1
22.5°	858.2	846.4	841.5	837.7	841.5	846.4	858.2	864.9	875.2	891.3	909.1
25°	776.1	771.8	769.2	768.0	769.2	771.8	776.1	782.3	792.4	814.3	833.0
27.5°	711.9	702.3	700.4	697.2	700.4	702.3	711.9	723.0	733.5	743.3	760.1
30°	675.4	672.3	667.9	664.1	667.9	672.3	675.4	681.1	688.0	704.8	721.0
32.5°	632.4	629.8	625.8	624.2	625.8	629.8	632.4	640.0	654.4	664.8	676.6
35°	584.8	576.0	572.2	566.6	572.2	576.0	584.8	591.0	596.6	605.4	626.6
37.5°	534.3	529.7	524.4	526.3	524.4	529.7	534.3	537.0	548.8	561.0	570.2
40°	495.3	492.2	491.0	490.3	491.0	492.2	495.3	503.4	517.8	523.5	537.2
42.5°	464.3	455.6	452.4	452.2	452.4	455.6	464.3	473.4	482.3	491.4	505.7
45°	417.2	409.0	403.4	404.0	403.4	409.0	417.2	420.3	427.7	445.9	454.0
47.5°	368.8	368.6	365.1	366.3	365.1	368.6	368.8	374.2	383.9	395.0	408.0
50°	345.8	342.0	339.6	340.2	339.6	342.0	345.8	350.2	355.8	361.5	381.4
52.5°	323.9	320.6	318.6	321.2	318.6	320.6	323.9	326.2	330.4	335.9	349.5
55°	287.7	283.9	283.3	282.7	283.3	283.9	287.7	290.8	295.8	300.2	306.4
57.5°	247.3	244.8	241.0	239.4	241.0	244.8	247.3	251.9	257.9	263.6	270.1
60°	218.3	213.3	207.0	206.4	207.0	213.3	218.3	226.4	228.8	237.6	245.2
62.5°	191.7	190.8	189.5	189.4	189.5	190.8	191.7	194.4	197.8	210.7	219.6
65°	168.2	167.6	168.2	168.8	168.2	167.6	168.2	169.5	170.1	171.4	175.1
67.5°	146.6	145.4	144.3	144.9	144.3	145.4	146.6	146.8	148.5	149.3	151.9
70°	130.1	129.4	128.8	128.8	128.8	129.4	130.1	131.3	132.6	133.8	137.0
72.5°	114.0	114.0	113.3	112.8	113.3	114.0	114.0	116.3	117.1	118.3	120.5
75°	91.3	90.0	90.0	90.0	90.0	90.0	91.3	91.9	92.6	94.4	95.7
77.5°	69.6	68.9	68.3	67.8	68.3	68.9	69.6	69.7	70.7	71.1	72.4
80°	55.0	54.4	53.8	53.8	53.8	54.4	55.0	55.7	55.7	57.5	56.9
82.5°	42.0	41.4	41.3	40.8	41.3	41.4	42.0	42.1	42.1	43.5	43.4
85°	22.5	23.1	22.5	23.8	22.5	23.1	22.5	21.9	22.5	23.8	23.8
87.5°	11.1	10.7	11.3	10.8	11.3	10.7	11.1	11.0	11.4	11.2	11.0
90°	23.1	23.5	23.9	24.3	23.9	23.5	23.1	22.7	22.1	21.0	20.0
92.5°	23.6	23.8	24.0	24.3	24.0	23.8	23.6	23.4	23.0	22.4	22.0
95°	39.3	39.1	38.9	38.7	38.9	39.1	39.3	39.5	39.1	38.2	37.1
97.5°	51.0	51.2	51.5	51.7	51.5	51.2	51.0	50.7	50.2	49.4	48.6
100°	59.1	59.6	59.9	60.3	59.9	59.6	59.1	58.7	57.8	56.2	54.6
102.5°	63.0	63.5	64.1	64.7	64.1	63.5	63.0	62.4	61.1	59.0	56.9
105°	66.1	66.8	67.7	68.4	67.7	66.8	66.1	65.2	63.7	61.5	59.4
107.5°	68.1	68.8	69.7	70.4	69.7	68.8	68.1	67.2	68.0	70.2	72.4
110°	68.7	69.6	70.3	71.2	70.3	69.6	68.7	68.0	77.6	97.6	117.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	69.9	70.6	71.3	71.9	71.3	70.6	69.9	69.3	105.5	178.5	251.5
115°	117.1	102.6	88.2	73.9	88.2	102.6	117.1	131.5	185.0	277.7	370.3
117.5°	443.6	396.2	348.9	301.5	348.9	396.2	443.6	491.0	525.8	548.3	570.6
120°	630.5	603.4	576.4	549.4	576.4	603.4	630.5	657.4	669.8	667.3	665.0
122.5°	701.3	696.1	690.8	685.6	690.8	696.1	701.3	706.5	708.4	707.0	705.6
125°	768.3	768.8	769.4	770.1	769.4	768.8	768.3	767.6	766.7	765.3	763.8
127.5°	823.0	823.1	823.2	823.3	823.2	823.1	823.0	822.8	821.8	819.7	817.7
130°	857.1	856.9	856.7	856.5	856.7	856.9	857.1	857.3	856.3	854.1	851.9
132.5°	889.5	889.3	889.1	888.9	889.1	889.3	889.5	889.8	888.9	887.0	885.1
135°	937.0	936.5	936.1	935.8	936.1	936.5	937.0	937.4	936.5	934.5	932.6
137.5°	980.5	979.8	979.1	978.5	979.1	979.8	980.5	981.2	980.5	978.5	976.6
140°	1008.1	1007.1	1006.1	1005.1	1006.1	1007.1	1008.1	1009.1	1008.7	1006.9	1005.1
142.5°	1034.1	1033.0	1032.1	1031.0	1032.1	1033.0	1034.1	1035.0	1034.7	1033.1	1031.4
145°	1070.3	1069.2	1068.3	1067.2	1068.3	1069.2	1070.3	1071.3	1071.0	1069.7	1068.3
147.5°	1101.6	1100.8	1099.9	1099.1	1099.9	1100.8	1101.6	1102.5	1102.4	1101.4	1100.3
150°	1121.6	1120.6	1119.6	1118.6	1119.6	1120.6	1121.6	1122.6	1122.5	1121.2	1120.1
152.5°	1139.2	1137.8	1136.5	1135.2	1136.5	1137.8	1139.2	1140.5	1140.5	1139.3	1138.1
155°	1163.0	1161.4	1159.8	1158.2	1159.8	1161.4	1163.0	1164.6	1164.8	1163.6	1162.4
157.5°	1183.9	1182.4	1180.8	1179.3	1180.8	1182.4	1183.9	1185.5	1185.6	1184.3	1182.9
160°	1195.7	1194.3	1193.0	1191.6	1193.0	1194.3	1195.7	1197.1	1197.2	1196.0	1194.9
162.5°	1206.7	1205.0	1203.3	1201.6	1203.3	1205.0	1206.7	1208.5	1208.7	1207.3	1206.0
165°	1221.0	1219.6	1218.1	1216.7	1218.1	1219.6	1221.0	1222.4	1222.4	1221.0	1219.6
167.5°	1231.7	1229.9	1228.1	1226.3	1228.1	1229.9	1231.7	1233.5	1233.7	1232.3	1230.9
170°	1237.5	1235.7	1233.9	1232.1	1233.9	1235.7	1237.5	1239.3	1239.4	1238.0	1236.7
172.5°	1241.8	1240.0	1238.2	1236.4	1238.2	1240.0	1241.8	1243.6	1243.8	1242.4	1241.0
175°	1246.1	1244.2	1242.2	1240.2	1242.2	1244.2	1246.1	1248.2	1248.5	1247.1	1245.7
177.5°	1246.8	1245.4	1244.0	1242.6	1244.0	1245.4	1246.8	1248.3	1248.4	1247.3	1246.2
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1730.8	1737.9	1748.3	1754.4	1764.3	1770.8	1774.3	1780.8	1784.3	1796.9	1809.9
5°	1634.1	1644.2	1661.6	1677.9	1695.4	1713.5	1726.6	1741.7	1755.5	1779.2	1804.2
7.5°	1523.3	1537.2	1564.3	1590.3	1620.7	1646.4	1669.1	1694.7	1717.6	1751.6	1787.1
10°	1440.3	1464.6	1500.3	1524.7	1564.7	1590.4	1626.0	1654.2	1686.0	1731.1	1771.1
12.5°	1368.8	1398.1	1426.7	1460.7	1496.7	1539.4	1578.5	1614.6	1652.6	1699.0	1746.1
15°	1238.9	1281.4	1325.8	1360.2	1409.0	1454.1	1499.7	1548.4	1594.7	1650.4	1711.7
17.5°	1071.8	1121.1	1195.7	1254.6	1311.9	1357.1	1413.6	1472.6	1527.2	1594.3	1662.6
20°	996.3	1032.6	1083.2	1162.6	1248.9	1297.0	1354.6	1419.7	1482.1	1555.3	1628.5
22.5°	935.7	968.0	1008.6	1070.5	1166.9	1232.5	1292.5	1358.6	1431.2	1505.8	1587.0
25°	849.2	871.8	914.3	964.3	1030.7	1138.8	1204.5	1270.7	1349.6	1429.6	1522.2
27.5°	784.4	804.6	832.3	880.1	929.3	1007.0	1111.4	1183.7	1262.3	1352.4	1448.4
30°	734.8	758.6	789.2	823.0	876.8	937.5	1041.9	1125.7	1203.2	1295.8	1398.4
32.5°	698.8	717.6	743.7	778.0	822.7	880.9	964.3	1066.1	1141.7	1239.3	1346.3
35°	639.8	661.7	683.0	715.5	751.7	804.8	868.0	976.9	1051.9	1148.2	1255.7
37.5°	591.1	604.5	628.0	653.7	692.0	731.7	786.5	884.0	965.3	1059.8	1169.9
40°	554.1	571.0	588.5	617.3	648.6	686.6	740.5	813.0	906.2	998.7	1106.3
42.5°	518.1	539.4	558.0	577.2	611.5	649.7	693.4	755.0	850.2	937.7	1042.3
45°	474.7	488.4	507.8	529.0	557.2	589.7	628.5	682.3	773.6	849.2	947.4
47.5°	424.1	444.3	456.9	477.7	504.4	535.5	571.5	618.0	691.9	762.8	853.9
50°	389.6	410.3	428.4	447.1	470.9	501.0	530.9	576.0	635.4	709.8	794.8
52.5°	360.1	378.2	395.9	414.6	437.9	465.4	493.9	533.5	584.4	652.8	735.4
55°	319.6	330.8	348.9	367.7	388.3	414.6	442.1	475.3	519.1	576.6	643.6
57.5°	278.1	291.1	305.5	324.3	345.3	365.3	390.1	420.1	454.7	506.7	564.0
60°	254.5	264.6	276.4	295.8	315.2	333.3	357.1	382.1	414.6	459.7	508.4
62.5°	228.5	238.0	248.9	265.8	284.6	301.3	322.1	348.6	376.1	417.2	459.9
65°	185.1	198.9	209.5	224.5	240.2	257.7	273.9	295.2	319.6	352.1	390.2
67.5°	153.4	160.5	170.3	184.0	200.0	215.0	230.4	247.0	268.2	293.3	323.6
70°	139.5	141.9	143.8	156.9	172.0	187.0	201.3	217.0	235.2	255.8	282.0
72.5°	122.9	125.5	127.8	133.5	145.4	160.5	175.3	187.0	204.2	221.2	242.5
75°	97.6	101.3	103.2	106.3	110.7	120.7	134.5	145.7	155.7	168.8	185.8
77.5°	74.3	76.4	78.4	81.7	84.5	89.1	96.8	107.0	116.3	123.9	135.5
80°	58.8	59.4	61.9	63.2	66.9	70.0	73.8	81.9	91.3	94.4	102.5
82.5°	44.3	44.9	46.9	48.2	49.9	52.5	57.3	59.4	66.8	70.9	76.1
85°	24.4	23.8	25.6	25.6	26.9	28.2	29.4	32.5	34.4	39.4	40.6
87.5°	11.3	11.1	11.3	10.9	10.7	11.3	11.4	11.5	12.1	13.1	14.7
90°	19.0	18.0	16.4	14.8	13.2	11.6	9.7	7.5	5.3	3.1	0.9
92.5°	21.4	20.9	20.1	19.3	18.5	17.7	17.4	17.6	17.8	18.0	18.2
95°	36.1	35.2	33.7	32.3	30.9	29.5	32.1	38.7	45.3	51.9	58.5
97.5°	47.8	47.0	43.7	40.5	37.3	34.0	41.8	60.3	79.0	97.6	116.2
100°	53.0	51.4	48.0	44.5	41.1	37.7	49.8	77.2	104.5	132.0	159.4
102.5°	54.9	52.8	81.2	109.7	138.2	166.6	183.7	189.5	195.4	201.1	207.0
105°	57.1	55.0	109.6	164.2	218.9	273.5	297.8	291.8	285.8	279.8	273.8
107.5°	74.6	76.9	142.4	207.9	273.5	339.0	369.4	364.5	359.7	354.9	350.0
110°	137.6	157.6	215.5	273.3	331.1	389.0	415.8	411.6	407.4	403.2	399.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	324.5	397.6	411.8	426.1	440.5	454.7	460.0	456.3	452.5	448.8	445.1
115°	463.0	555.7	550.7	545.6	540.6	535.6	531.5	528.1	524.7	521.2	517.8
117.5°	593.0	615.5	612.1	608.6	605.2	601.7	598.1	594.3	590.5	586.7	582.9
120°	662.6	660.2	656.6	653.0	649.3	645.7	642.4	639.4	636.4	633.5	630.5
122.5°	704.1	702.7	698.7	694.8	690.9	687.0	683.4	680.2	677.1	673.9	670.8
125°	762.4	761.0	757.2	753.5	749.6	745.8	742.6	740.0	737.4	734.8	732.2
127.5°	815.7	813.6	810.8	807.9	805.1	802.3	799.4	796.5	793.6	790.8	787.9
130°	849.7	847.5	845.3	843.1	840.8	838.7	835.9	832.7	829.6	826.4	823.2
132.5°	883.3	881.4	879.1	876.9	874.8	872.5	870.1	867.3	864.7	862.0	859.2
135°	930.6	928.6	926.7	924.9	923.1	921.3	918.9	915.7	912.5	909.3	906.1
137.5°	974.7	972.7	970.6	968.6	966.6	964.5	962.3	960.2	957.9	955.6	953.4
140°	1003.3	1001.5	999.3	997.1	994.9	992.7	990.8	989.2	987.6	986.0	984.4
142.5°	1029.8	1028.1	1025.7	1023.1	1020.6	1018.0	1016.1	1014.6	1013.2	1011.7	1010.3
145°	1066.9	1065.5	1062.1	1058.7	1055.3	1051.9	1050.3	1050.5	1050.7	1050.8	1051.0
147.5°	1099.3	1098.3	1094.9	1091.5	1088.2	1084.8	1083.5	1084.2	1085.0	1085.7	1086.6
150°	1118.9	1117.7	1114.5	1111.3	1108.1	1104.8	1104.0	1105.4	1106.7	1108.1	1109.6
152.5°	1136.9	1135.7	1132.7	1129.6	1126.5	1123.5	1122.8	1124.4	1125.9	1127.5	1129.1
155°	1161.2	1160.0	1157.6	1155.2	1152.8	1150.4	1150.1	1151.9	1153.7	1155.5	1157.3
157.5°	1181.6	1180.2	1178.5	1176.9	1175.2	1173.5	1173.4	1174.9	1176.4	1178.0	1179.5
160°	1193.6	1192.4	1191.3	1190.1	1188.8	1187.6	1187.6	1188.8	1190.1	1191.3	1192.4
162.5°	1204.6	1203.2	1202.2	1201.2	1200.1	1199.1	1199.2	1200.3	1201.6	1202.8	1204.0
165°	1218.1	1216.7	1216.2	1215.5	1214.9	1214.4	1214.7	1215.9	1217.0	1218.2	1219.5
167.5°	1229.5	1228.1	1227.6	1227.0	1226.4	1225.9	1226.2	1227.4	1228.6	1229.7	1231.0
170°	1235.3	1233.9	1233.5	1233.0	1232.7	1232.3	1232.7	1233.9	1235.1	1236.2	1237.5
172.5°	1239.6	1238.2	1237.7	1237.4	1237.0	1236.6	1237.0	1238.2	1239.3	1240.6	1241.8
175°	1244.3	1242.8	1242.5	1242.1	1241.7	1241.2	1241.8	1243.2	1244.5	1245.9	1247.4
177.5°	1245.1	1244.0	1243.8	1243.6	1243.5	1243.3	1243.8	1244.9	1246.0	1247.2	1248.3
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1810.3	1811.8	1821.8	1826.4	1835.4	1838.9	1842.9	1841.9	1841.9	1843.9	1857.9
5°	1814.2	1826.7	1845.5	1863.7	1881.1	1896.2	1906.2	1916.2	1920.0	1938.1	1954.4
7.5°	1807.7	1830.8	1861.8	1889.4	1922.6	1948.4	1970.0	1989.3	2002.6	2029.0	2056.1
10°	1799.2	1831.7	1866.8	1902.4	1948.0	1982.4	2017.5	2044.4	2053.1	2092.5	2115.1
12.5°	1782.3	1825.7	1870.3	1916.5	1961.1	2008.5	2047.0	2073.9	2104.7	2140.0	2181.6
15°	1756.7	1806.8	1864.9	1924.3	1988.1	2045.6	2086.9	2133.8	2167.6	2206.4	2242.6
17.5°	1720.0	1784.5	1858.4	1927.2	2001.0	2062.8	2119.6	2164.5	2188.3	2210.5	2215.8
20°	1691.0	1760.5	1847.4	1928.7	2002.5	2073.8	2130.1	2167.6	2173.9	2174.4	2141.4
22.5°	1659.5	1738.0	1828.9	1912.1	2000.5	2079.8	2123.5	2139.6	2114.8	2072.4	2008.3
25°	1601.6	1692.3	1798.0	1893.0	1989.3	2064.4	2079.4	2051.3	1964.4	1873.0	1757.4
27.5°	1538.8	1640.8	1754.1	1859.7	1962.4	2008.8	1976.5	1875.0	1718.4	1582.3	1417.4
30°	1492.8	1607.2	1718.5	1836.7	1931.8	1951.8	1877.5	1728.0	1545.3	1340.2	1175.7
32.5°	1440.3	1560.2	1682.5	1804.8	1884.3	1864.7	1741.8	1557.8	1343.7	1142.1	986.7
35°	1365.2	1489.0	1621.0	1743.6	1794.2	1709.8	1526.0	1286.4	1067.5	879.3	772.3
37.5°	1278.6	1413.3	1550.6	1663.1	1659.5	1518.8	1268.4	1021.2	837.2	725.9	649.7
40°	1217.0	1353.3	1501.6	1596.6	1555.9	1372.7	1101.3	868.0	733.6	644.8	589.1
42.5°	1158.0	1294.8	1442.0	1517.6	1446.9	1221.6	951.2	768.5	657.5	588.2	543.1
45°	1057.5	1202.0	1338.3	1380.3	1253.9	1005.6	769.2	636.7	562.9	511.5	480.3
47.5°	959.3	1101.5	1225.9	1226.6	1055.7	815.5	648.9	551.0	488.0	448.3	425.6
50°	899.3	1034.3	1138.8	1122.6	928.7	725.5	580.3	496.0	443.4	412.7	389.0
52.5°	831.8	962.8	1053.3	1007.0	821.1	638.4	518.8	447.9	404.4	377.8	356.5
55°	733.6	849.9	913.7	843.7	669.8	530.9	438.4	382.8	350.2	327.7	309.5
57.5°	637.2	733.1	773.3	691.6	551.7	440.3	370.9	329.0	296.8	280.7	271.3
60°	576.6	658.6	686.6	596.6	479.7	385.2	328.3	289.5	265.8	255.1	245.8
62.5°	517.1	584.0	595.6	513.0	418.1	337.2	288.3	255.5	239.8	229.6	220.7
65°	429.0	477.2	471.6	405.3	330.8	267.7	232.1	212.0	200.1	185.8	170.1
67.5°	353.2	382.6	364.9	315.2	252.5	208.0	184.7	169.6	154.9	141.2	137.6
70°	305.2	322.1	303.3	257.7	207.0	174.5	155.7	137.6	128.8	125.7	120.1
72.5°	259.2	265.0	244.8	205.7	168.4	144.5	126.2	116.0	111.3	108.7	105.1
75°	194.5	190.1	172.6	141.9	117.0	100.7	95.1	91.3	88.2	85.7	83.8
77.5°	136.6	130.2	114.6	94.5	81.4	73.7	70.3	68.3	66.8	65.5	63.6
80°	102.5	98.2	82.6	67.6	61.9	58.2	56.3	53.8	53.8	52.5	50.6
82.5°	75.0	70.1	56.6	49.5	46.4	44.1	42.8	41.3	40.8	41.0	39.7
85°	39.4	31.9	28.2	26.9	25.0	23.8	24.4	23.1	23.1	23.1	22.5
87.5°	12.6	10.6	10.5	10.5	11.3	11.7	11.5	11.8	12.6	12.3	13.0
90°	3.1	5.3	7.5	9.7	11.6	13.2	14.8	16.4	18.0	19.0	20.0
92.5°	18.0	17.8	17.6	17.4	17.7	18.5	19.3	20.1	20.9	21.4	22.0
95°	51.9	45.3	38.7	32.1	29.5	30.9	32.3	33.7	35.2	36.1	37.1
97.5°	97.6	79.0	60.3	41.8	34.0	37.3	40.5	43.7	47.0	47.8	48.6
100°	132.0	104.5	77.2	49.8	37.7	41.1	44.5	48.0	51.4	53.0	54.6
102.5°	201.1	195.4	189.5	183.7	166.6	138.2	109.7	81.2	52.8	54.9	56.9
105°	279.8	285.8	291.8	297.8	273.5	218.9	164.2	109.6	55.0	57.1	59.4
107.5°	354.9	359.7	364.5	369.4	339.0	273.5	207.9	142.4	76.9	74.6	72.4
110°	403.2	407.4	411.6	415.8	389.0	331.1	273.3	215.5	157.6	137.6	117.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	448.8	452.5	456.3	460.0	454.7	440.5	426.1	411.8	397.6	324.5	251.5
115°	521.2	524.7	528.1	531.5	535.6	540.6	545.6	550.7	555.7	463.0	370.3
117.5°	586.7	590.5	594.3	598.1	601.7	605.2	608.6	612.1	615.5	593.0	570.6
120°	633.5	636.4	639.4	642.4	645.7	649.3	653.0	656.6	660.2	662.6	665.0
122.5°	673.9	677.1	680.2	683.4	687.0	690.9	694.8	698.7	702.7	704.1	705.6
125°	734.8	737.4	740.0	742.6	745.8	749.6	753.5	757.2	761.0	762.4	763.8
127.5°	790.8	793.6	796.5	799.4	802.3	805.1	807.9	810.8	813.6	815.7	817.7
130°	826.4	829.6	832.7	835.9	838.7	840.8	843.1	845.3	847.5	849.7	851.9
132.5°	862.0	864.7	867.3	870.1	872.5	874.8	876.9	879.1	881.4	883.3	885.1
135°	909.3	912.5	915.7	918.9	921.3	923.1	924.9	926.7	928.6	930.6	932.6
137.5°	955.6	957.9	960.2	962.3	964.5	966.6	968.6	970.6	972.7	974.7	976.6
140°	986.0	987.6	989.2	990.8	992.7	994.9	997.1	999.3	1001.5	1003.3	1005.1
142.5°	1011.7	1013.2	1014.6	1016.1	1018.0	1020.6	1023.1	1025.7	1028.1	1029.8	1031.4
145°	1050.8	1050.7	1050.5	1050.3	1051.9	1055.3	1058.7	1062.1	1065.5	1066.9	1068.3
147.5°	1085.7	1085.0	1084.2	1083.5	1084.8	1088.2	1091.5	1094.9	1098.3	1099.3	1100.3
150°	1108.1	1106.7	1105.4	1104.0	1104.8	1108.1	1111.3	1114.5	1117.7	1118.9	1120.1
152.5°	1127.5	1125.9	1124.4	1122.8	1123.5	1126.5	1129.6	1132.7	1135.7	1136.9	1138.1
155°	1155.5	1153.7	1151.9	1150.1	1150.4	1152.8	1155.2	1157.6	1160.0	1161.2	1162.4
157.5°	1178.0	1176.4	1174.9	1173.4	1173.5	1175.2	1176.9	1178.5	1180.2	1181.6	1182.9
160°	1191.3	1190.1	1188.8	1187.6	1187.6	1188.8	1190.1	1191.3	1192.4	1193.6	1194.9
162.5°	1202.8	1201.6	1200.3	1199.2	1199.1	1200.1	1201.2	1202.2	1203.2	1204.6	1206.0
165°	1218.2	1217.0	1215.9	1214.7	1214.4	1214.9	1215.5	1216.2	1216.7	1218.1	1219.6
167.5°	1229.7	1228.6	1227.4	1226.2	1225.9	1226.4	1227.0	1227.6	1228.1	1229.5	1230.9
170°	1236.2	1235.1	1233.9	1232.7	1232.3	1232.7	1233.0	1233.5	1233.9	1235.3	1236.7
172.5°	1240.6	1239.3	1238.2	1237.0	1236.6	1237.0	1237.4	1237.7	1238.2	1239.6	1241.0
175°	1245.9	1244.5	1243.2	1241.8	1241.2	1241.7	1242.1	1242.5	1242.8	1244.3	1245.7
177.5°	1247.2	1246.0	1244.9	1243.8	1243.3	1243.5	1243.6	1243.8	1244.0	1245.1	1246.2
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1862.9	1869.4	1872.4	1872.4	1875.9	1874.4	1872.9
5°	1970.0	1981.9	1984.3	1995.6	2003.8	2001.2	2002.5
7.5°	2076.4	2095.6	2114.4	2123.1	2124.4	2129.4	2131.3
10°	2141.9	2157.6	2187.0	2182.6	2204.5	2217.0	2196.3
12.5°	2205.0	2226.1	2246.6	2252.1	2264.6	2268.5	2260.4
15°	2262.0	2273.3	2274.5	2271.4	2275.1	2272.0	2260.1
17.5°	2208.8	2190.5	2153.4	2135.9	2122.0	2101.6	2093.3
20°	2120.7	2066.9	2004.3	1979.3	1949.9	1892.4	1906.2
22.5°	1930.6	1869.3	1806.8	1733.7	1698.8	1644.3	1641.0
25°	1634.7	1529.1	1412.8	1331.4	1283.9	1229.5	1205.7
27.5°	1271.0	1137.9	1042.6	994.4	950.5	907.3	905.6
30°	1031.9	931.8	858.0	816.7	789.9	771.8	775.5
32.5°	869.8	801.3	751.5	717.2	697.3	683.6	683.4
35°	711.1	664.1	632.3	617.8	603.5	593.5	594.1
37.5°	608.5	580.3	562.6	546.7	537.7	532.8	530.1
40°	556.0	532.8	519.1	509.7	502.2	495.3	494.1
42.5°	514.4	495.3	481.5	474.2	467.1	462.3	461.0
45°	456.6	440.9	428.4	420.3	417.2	412.7	412.7
47.5°	406.1	390.8	381.0	375.9	370.5	367.6	367.5
50°	372.1	360.2	351.5	348.4	343.9	342.0	341.5
52.5°	341.6	332.7	326.5	324.3	322.4	320.1	320.5
55°	300.2	295.2	292.7	290.8	287.7	283.9	286.4
57.5°	265.3	261.0	254.3	248.4	245.5	242.9	243.9
60°	240.8	232.1	223.3	216.4	214.5	208.9	208.9
62.5°	209.7	197.5	186.7	182.9	181.0	178.3	177.9
65°	161.4	156.4	153.8	151.4	150.1	150.1	148.8
67.5°	133.7	131.7	128.9	128.4	127.1	126.7	126.3
70°	118.2	115.6	114.4	113.9	112.5	113.2	111.3
72.5°	103.2	101.2	100.9	99.3	98.6	98.7	97.3
75°	81.3	81.3	80.7	80.0	78.8	78.1	78.8
77.5°	62.6	62.7	61.5	61.5	61.3	61.5	60.8
80°	50.0	50.6	50.0	49.4	48.8	49.4	48.8
82.5°	39.5	38.6	38.5	38.4	38.3	37.9	37.8
85°	22.5	23.1	22.5	21.9	21.9	21.9	22.5
87.5°	12.7	12.9	13.0	13.1	13.2	13.3	12.9
90°	21.0	22.1	22.7	23.1	23.5	23.9	24.3
92.5°	22.4	23.0	23.4	23.6	23.8	24.0	24.3
95°	38.2	39.1	39.5	39.3	39.1	38.9	38.7
97.5°	49.4	50.2	50.7	51.0	51.2	51.5	51.7
100°	56.2	57.8	58.7	59.1	59.6	59.9	60.3
102.5°	59.0	61.1	62.4	63.0	63.5	64.1	64.7
105°	61.5	63.7	65.2	66.1	66.8	67.7	68.4
107.5°	70.2	68.0	67.2	68.1	68.8	69.7	70.4
110°	97.6	77.6	68.0	68.7	69.6	70.3	71.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	178.5	105.5	69.3	69.9	70.6	71.3	71.9
115°	277.7	185.0	131.5	117.1	102.6	88.2	73.9
117.5°	548.3	525.8	491.0	443.6	396.2	348.9	301.5
120°	667.3	669.8	657.4	630.5	603.4	576.4	549.4
122.5°	707.0	708.4	706.5	701.3	696.1	690.8	685.6
125°	765.3	766.7	767.6	768.3	768.8	769.4	770.1
127.5°	819.7	821.8	822.8	823.0	823.1	823.2	823.3
130°	854.1	856.3	857.3	857.1	856.9	856.7	856.5
132.5°	887.0	888.9	889.8	889.5	889.3	889.1	888.9
135°	934.5	936.5	937.4	937.0	936.5	936.1	935.8
137.5°	978.5	980.5	981.2	980.5	979.8	979.1	978.5
140°	1006.9	1008.7	1009.1	1008.1	1007.1	1006.1	1005.1
142.5°	1033.1	1034.7	1035.0	1034.1	1033.0	1032.1	1031.0
145°	1069.7	1071.0	1071.3	1070.3	1069.2	1068.3	1067.2
147.5°	1101.4	1102.4	1102.5	1101.6	1100.8	1099.9	1099.1
150°	1121.2	1122.5	1122.6	1121.6	1120.6	1119.6	1118.6
152.5°	1139.3	1140.5	1140.5	1139.2	1137.8	1136.5	1135.2
155°	1163.6	1164.8	1164.6	1163.0	1161.4	1159.8	1158.2
157.5°	1184.3	1185.6	1185.5	1183.9	1182.4	1180.8	1179.3
160°	1196.0	1197.2	1197.1	1195.7	1194.3	1193.0	1191.6
162.5°	1207.3	1208.7	1208.5	1206.7	1205.0	1203.3	1201.6
165°	1221.0	1222.4	1222.4	1221.0	1219.6	1218.1	1216.7
167.5°	1232.3	1233.7	1233.5	1231.7	1229.9	1228.1	1226.3
170°	1238.0	1239.4	1239.3	1237.5	1235.7	1233.9	1232.1
172.5°	1242.4	1243.8	1243.6	1241.8	1240.0	1238.2	1236.4
175°	1247.1	1248.5	1248.2	1246.1	1244.2	1242.2	1240.2
177.5°	1247.3	1248.4	1248.3	1246.8	1245.4	1244.0	1242.6
180°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6

(END OF REPORT)