

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: P331853-830

Luminaire Tested: **S122RDIW-S1005D970U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331853-830  
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-S1005D970U830-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1005 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: 7243.1 lumens  
Efficiency: N/A  
Efficacy: 107.5 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

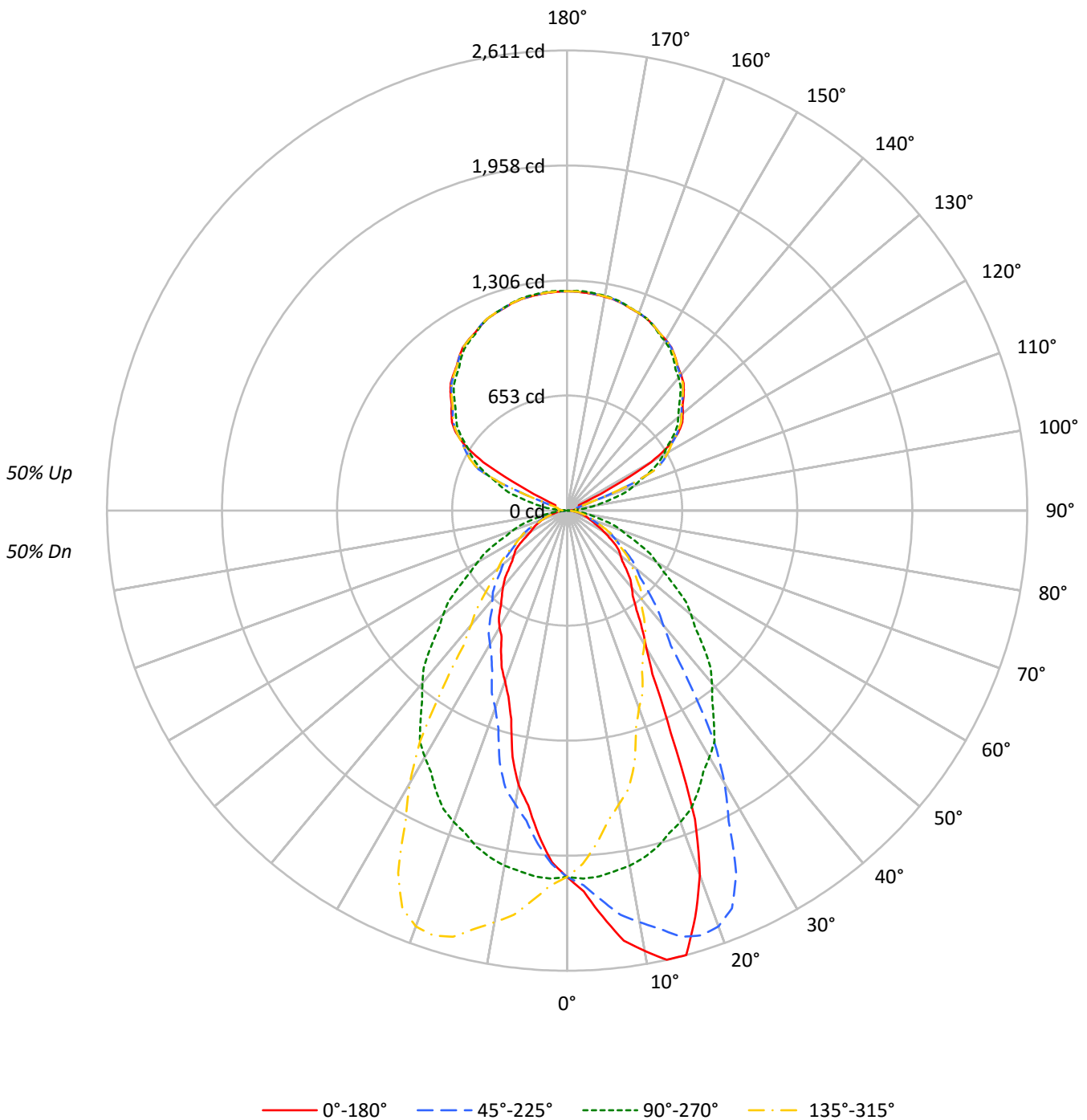
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	88	91	87	84	81	74	72	70	62	60	59	50	49	49	43
2	90	83	78	73	83	77	72	68	66	62	59	55	53	50	45	44	42	38
3	83	74	67	62	76	69	63	58	59	54	51	50	46	44	41	39	37	33
4	76	66	59	53	70	62	55	50	53	48	44	45	41	38	37	35	33	29
5	70	59	52	46	65	55	49	44	48	43	39	41	37	34	34	31	29	26
6	65	54	46	40	60	50	43	38	43	38	34	37	33	30	31	28	26	23
7	61	49	41	36	56	46	39	34	40	34	31	34	30	27	29	26	24	21
8	56	45	37	32	52	42	35	31	36	31	27	31	27	24	27	24	21	19
9	53	41	34	29	49	38	32	28	34	28	25	29	25	22	25	22	20	17
10	49	38	31	26	46	35	29	25	31	26	23	27	23	20	23	20	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	33562	33562	33562	33562
5°	37483	33773	29945	33773
10°	41589	33536	25956	33536
15°	43632	33045	20451	33045
20°	37826	32316	17698	32316
25°	24807	31319	15800	31319
30°	16697	30109	14300	30109
35°	13525	28586	12899	28586
40°	12026	26930	11936	26930
45°	10885	24987	10654	24987
50°	9907	23059	9869	23059
55°	9312	20921	9191	20921
60°	7789	18962	7698	18962
65°	6567	17219	7450	17219
70°	6071	15375	7024	15375
75°	5677	13381	6488	13381
80°	5244	11018	5774	11018
85°	4817	8688	5076	8688



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.1	2.7
10°-20°	549.1	7.6
20°-30°	707.5	9.8
30°-40°	672.4	9.3
40°-50°	576.0	8.0
50°-60°	438.6	6.1
60°-70°	277.3	3.8
70°-80°	138.5	1.9
80°-90°	39.1	0.5
90°-100°	41.5	0.6
100°-110°	152.3	2.1
110°-120°	407.0	5.6
120°-130°	671.8	9.3
130°-140°	714.5	9.9
140°-150°	664.1	9.2
150°-160°	533.9	7.4
160°-170°	344.1	4.8
170°-180°	118.4	1.6
0°-30°	1453.7	20.1
0°-40°	2126.0	29.4
0°-60°	3140.7	43.4
0°-90°	3595.5	49.6
90°-120°	600.8	8.3
90°-150°	2651.1	36.6
90°-180°	3648.0	50.4
0°-180°	7243.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2079	2079	2079	2079	2079	
5°	2313	2084	1848	2084	2313	228
15°	2610	1977	1224	1977	2610	704
25°	1392	1758	887	1758	1392	661
35°	686	1450	654	1450	686	439
45°	477	1094	467	1094	477	369
55°	331	743	326	743	331	290
65°	172	451	195	451	172	175
75°	91	214	104	214	91	97
85°	26	47	27	47	26	29
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°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2163.0	2164.8	2166.5	2162.5	2162.5	2159.0	2151.5	2145.7	2129.6	2127.2	2127.2
5°	2312.7	2311.3	2314.1	2304.8	2291.8	2288.9	2275.2	2257.1	2238.4	2217.4	2213.1
7.5°	2461.5	2459.4	2453.5	2452.0	2442.0	2420.2	2398.1	2374.5	2343.3	2312.9	2297.5
10°	2536.7	2560.5	2546.0	2520.7	2525.8	2491.9	2473.8	2442.8	2416.8	2371.2	2361.2
12.5°	2610.6	2620.0	2615.4	2601.0	2594.5	2571.0	2546.6	2519.6	2471.6	2430.7	2395.2
15°	2610.3	2624.0	2627.6	2623.3	2627.0	2625.5	2612.4	2590.1	2548.2	2503.4	2464.4
17.5°	2417.6	2427.1	2450.8	2466.8	2487.1	2529.9	2550.9	2559.2	2553.0	2527.4	2499.9
20°	2201.5	2185.6	2252.0	2286.0	2314.9	2387.1	2449.2	2473.0	2511.3	2510.7	2503.4
22.5°	1895.3	1899.0	1962.0	2002.3	2086.7	2158.9	2229.7	2319.4	2393.5	2442.4	2471.1
25°	1392.5	1420.0	1482.8	1537.8	1631.6	1765.9	1888.0	2029.6	2163.2	2268.7	2369.1
27.5°	1045.8	1047.9	1097.7	1148.4	1204.2	1314.3	1467.9	1637.0	1827.5	1984.7	2165.5
30°	895.6	891.3	912.2	943.3	991.0	1076.2	1191.8	1357.9	1547.8	1784.7	1995.6
32.5°	789.3	789.6	805.3	828.3	867.9	925.4	1004.6	1139.4	1319.0	1551.9	1799.2
35°	686.2	685.4	697.0	713.6	730.2	767.0	821.2	892.0	1015.5	1232.9	1485.7
37.5°	612.2	615.4	621.0	631.4	649.8	670.2	702.8	750.3	838.3	966.9	1179.3
40°	570.6	572.0	579.9	588.6	599.5	615.4	642.1	680.4	744.7	847.3	1002.5
42.5°	532.4	534.0	539.5	547.6	556.2	572.0	594.2	627.3	679.4	759.4	887.5
45°	476.7	476.7	481.7	485.4	494.7	509.2	527.3	554.7	590.8	650.1	735.3
47.5°	424.4	424.5	427.9	434.1	440.0	451.3	469.0	491.4	517.7	563.5	636.3
50°	394.4	395.1	397.3	402.3	406.0	416.0	429.8	449.2	476.7	512.1	572.8
52.5°	370.1	369.7	372.4	374.6	377.0	384.3	394.5	411.7	436.2	467.0	517.3
55°	330.8	327.9	332.2	335.8	338.0	340.9	346.7	357.5	378.4	404.4	442.1
57.5°	281.7	280.5	283.6	286.9	293.7	301.5	306.4	313.3	324.1	342.8	380.0
60°	241.2	241.2	247.7	249.9	257.9	268.0	278.1	283.9	294.7	307.0	334.4
62.5°	205.4	206.0	209.1	211.2	215.7	228.1	242.2	255.0	265.2	276.9	295.1
65°	171.9	173.3	173.3	174.7	177.7	180.6	186.3	196.4	214.5	231.1	244.9
67.5°	145.9	146.4	146.8	148.2	148.9	152.1	154.4	158.9	163.1	178.8	195.9
70°	128.6	130.7	130.0	131.5	132.1	133.7	136.5	138.6	145.2	148.8	158.9
72.5°	112.4	114.0	113.9	114.7	116.6	116.9	119.1	121.3	125.5	128.6	134.0
75°	91.0	90.3	91.0	92.5	93.2	93.9	93.9	96.8	99.0	101.8	105.5
77.5°	70.2	71.0	70.8	71.0	71.1	72.4	72.2	73.5	75.7	77.1	78.9
80°	56.4	57.0	56.4	57.0	57.8	58.5	57.8	58.5	60.7	62.1	62.1
82.5°	43.6	43.7	44.2	44.4	44.5	44.7	45.6	45.8	47.4	47.1	47.7
85°	26.0	25.3	25.3	25.3	26.0	26.8	26.0	26.0	26.8	26.8	26.8
87.5°	14.1	14.6	14.5	14.4	14.3	14.2	14.0	14.4	13.7	14.0	13.1
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°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2128.4	2123.7	2119.8	2109.3	2104.1	2092.5	2090.8	2090.3	2075.3	2060.8	2056.7
5°	2201.5	2189.9	2172.7	2152.4	2131.5	2109.8	2095.4	2083.8	2054.8	2027.4	2011.6
7.5°	2275.2	2250.3	2220.4	2182.2	2150.2	2114.4	2087.8	2064.0	2023.0	1983.7	1957.2
10°	2330.1	2289.6	2249.8	2197.2	2156.0	2115.5	2078.0	2045.5	1999.2	1947.3	1910.4
12.5°	2364.2	2319.7	2264.9	2213.4	2160.0	2108.7	2058.3	2016.6	1962.3	1908.6	1864.8
15°	2410.3	2362.6	2296.1	2222.4	2153.8	2086.7	2028.9	1976.9	1906.1	1841.8	1788.4
17.5°	2448.0	2382.4	2311.0	2225.8	2146.4	2061.0	1986.6	1920.1	1841.4	1763.8	1700.8
20°	2460.0	2395.1	2312.7	2227.5	2133.6	2033.3	1953.0	1880.8	1796.3	1711.8	1639.6
22.5°	2452.6	2402.0	2310.5	2208.5	2112.2	2007.2	1916.7	1832.9	1739.1	1652.8	1569.1
25°	2401.6	2384.3	2297.5	2186.3	2076.5	1954.5	1849.7	1758.0	1651.1	1558.7	1467.6
27.5°	2282.6	2320.1	2266.3	2147.9	2025.8	1895.0	1777.3	1672.8	1561.9	1457.8	1367.2
30°	2168.3	2254.2	2231.1	2121.3	1984.8	1856.2	1724.1	1615.0	1496.6	1389.7	1300.1
32.5°	2011.7	2153.7	2176.2	2084.3	1943.2	1802.0	1663.4	1554.9	1431.3	1318.6	1231.3
35°	1762.4	1974.7	2072.2	2013.7	1872.2	1719.8	1576.7	1450.3	1326.1	1214.8	1128.2
37.5°	1464.9	1754.2	1916.7	1920.8	1790.8	1632.4	1476.6	1351.1	1224.0	1114.7	1021.1
40°	1272.0	1585.4	1797.1	1844.0	1734.2	1563.0	1405.5	1277.7	1153.5	1046.6	939.0
42.5°	1098.6	1410.9	1671.0	1752.7	1665.5	1495.4	1337.4	1203.7	1083.0	981.8	871.9
45°	888.4	1161.4	1448.1	1594.0	1545.7	1388.2	1221.3	1094.3	980.8	893.4	788.0
47.5°	749.4	941.9	1219.4	1416.6	1415.8	1272.1	1108.0	986.2	881.0	799.1	713.8
50°	670.2	837.8	1072.6	1296.5	1315.2	1194.7	1038.6	918.0	819.8	733.9	665.2
52.5°	599.2	737.3	948.4	1163.0	1216.4	1112.0	960.6	849.2	753.9	674.9	616.1
55°	506.3	613.2	773.5	974.3	1055.3	981.6	847.3	743.2	665.9	599.5	548.9
57.5°	428.3	508.5	637.2	798.8	893.1	846.7	735.8	651.4	585.2	525.1	485.2
60°	379.2	444.9	554.0	689.1	793.1	760.5	665.9	587.2	530.8	478.9	441.3
62.5°	333.0	389.5	483.0	592.6	687.9	674.5	597.2	531.1	481.7	434.4	402.6
65°	268.0	309.2	382.1	468.1	544.6	551.1	495.5	450.7	406.6	369.1	340.9
67.5°	213.4	240.3	291.6	364.0	421.4	441.9	407.9	373.7	338.7	309.7	285.3
70°	179.8	201.5	239.0	297.6	350.3	371.9	352.5	325.7	295.4	271.5	250.6
72.5°	145.7	166.8	194.5	237.5	282.7	306.1	299.4	280.1	255.5	235.7	215.9
75°	109.8	116.3	135.1	164.0	199.3	219.6	224.6	214.5	195.0	179.8	168.2
77.5°	81.2	85.1	94.1	109.2	132.3	150.3	157.8	156.6	143.2	134.3	123.5
80°	65.0	67.2	71.5	78.0	95.4	113.4	118.5	118.5	109.1	105.5	94.6
82.5°	49.4	51.0	53.6	57.2	65.3	81.1	86.7	87.8	81.9	77.1	68.6
85°	28.2	27.4	28.9	31.1	32.5	36.9	45.5	46.9	45.5	39.7	37.5
87.5°	12.8	13.0	12.7	11.8	11.9	12.1	14.5	17.0	15.1	13.8	13.1
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





TEST NUMBER: P331853-830

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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°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2049.3	2045.2	2037.7	2026.1	2019.2	2007.1	1998.9	2003.6	2004.8	2003.6	2002.4
5°	1994.2	1979.1	1958.1	1937.9	1919.1	1898.8	1887.3	1882.3	1872.2	1866.3	1863.5
7.5°	1927.6	1901.5	1871.9	1836.6	1806.7	1775.4	1759.3	1751.3	1730.7	1719.5	1709.6
10°	1877.9	1836.7	1807.1	1761.0	1732.8	1691.6	1663.4	1664.2	1636.0	1620.0	1608.5
12.5°	1823.1	1777.8	1728.5	1687.0	1647.8	1614.8	1580.7	1567.1	1537.2	1521.8	1490.6
15°	1732.0	1679.3	1627.3	1570.9	1531.3	1480.0	1430.9	1370.9	1322.5	1280.6	1269.0
17.5°	1632.7	1567.4	1515.2	1449.1	1381.0	1294.8	1237.8	1203.1	1173.8	1151.8	1135.3
20°	1564.4	1498.0	1442.4	1342.7	1250.9	1192.5	1150.6	1123.9	1093.5	1069.7	1056.7
22.5°	1492.8	1423.4	1347.6	1236.4	1164.9	1117.9	1080.6	1049.9	1029.4	1010.8	998.9
25°	1391.1	1315.2	1190.3	1113.7	1055.9	1006.8	980.8	962.1	940.4	915.1	903.6
27.5°	1283.6	1163.0	1073.3	1016.3	961.2	929.3	905.9	877.9	858.5	847.1	835.1
30°	1203.3	1082.7	1012.7	950.6	911.5	876.1	848.7	832.8	814.0	794.5	786.6
32.5°	1113.7	1017.4	950.3	898.5	858.9	828.8	807.1	781.4	767.8	755.8	739.1
35°	1002.5	929.5	868.2	826.3	788.7	764.2	738.9	723.7	699.2	689.1	682.6
37.5°	908.3	845.1	799.3	755.1	725.3	698.1	682.7	658.6	647.9	633.9	620.2
40°	855.2	793.1	749.0	712.8	679.7	659.4	639.9	620.5	604.5	598.0	581.5
42.5°	800.9	750.3	706.2	666.7	644.4	623.0	598.3	584.0	567.6	557.0	546.8
45°	725.9	681.1	643.6	611.1	586.4	564.1	548.2	524.3	515.0	494.1	485.4
47.5°	660.1	618.4	582.6	551.7	527.7	513.1	489.8	471.2	456.2	443.4	432.3
50°	613.2	578.5	543.8	516.4	494.7	473.8	450.0	440.5	417.5	410.9	404.4
52.5°	570.4	537.5	505.8	478.9	457.2	436.9	415.8	403.6	388.0	381.5	376.7
55°	510.7	478.9	448.6	424.7	403.0	382.1	369.1	353.9	346.7	341.7	335.8
57.5°	450.5	422.0	398.7	374.6	352.8	336.1	321.1	312.0	304.5	297.8	291.0
60°	412.5	384.9	364.0	341.7	319.2	305.5	294.0	283.1	274.5	264.4	261.5
62.5°	371.9	348.0	328.8	307.0	287.5	274.9	263.9	253.6	243.3	228.6	224.5
65°	316.3	297.6	277.4	259.3	242.0	229.7	213.8	202.3	197.9	196.4	195.8
67.5°	266.1	248.4	231.0	212.4	196.7	185.3	177.3	175.5	172.5	171.6	169.6
70°	232.6	215.9	198.6	181.3	166.2	164.0	161.1	158.2	154.6	153.2	151.7
72.5°	202.6	185.3	168.0	154.1	147.6	144.9	142.0	139.1	136.7	135.3	134.3
75°	155.3	139.4	127.8	122.8	119.1	117.0	112.6	110.5	109.1	106.9	106.1
77.5°	111.8	102.8	97.6	94.3	90.6	88.2	85.8	83.6	82.1	81.6	80.5
80°	85.2	80.9	77.3	73.0	71.5	68.6	67.9	65.7	66.4	64.3	64.3
82.5°	66.2	60.7	57.7	55.6	54.2	51.8	51.2	50.1	50.2	48.6	48.6
85°	33.9	32.5	31.1	29.6	29.6	27.4	28.2	27.4	27.4	26.0	25.3
87.5°	12.9	12.7	11.9	12.3	12.5	12.3	12.4	12.1	12.3	12.5	12.1
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



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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



TEST NUMBER: P331853-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	1996.1	1997.2	1995.6	1996.7	1995.6	1997.2	1996.1	2002.4	2003.6	2004.8	2003.6
5°	1859.8	1851.2	1849.7	1847.6	1849.7	1851.2	1859.8	1863.5	1866.3	1872.2	1882.3
7.5°	1697.2	1695.9	1692.3	1687.2	1692.3	1695.9	1697.2	1709.6	1719.5	1730.7	1751.3
10°	1592.6	1589.0	1588.3	1583.2	1588.3	1589.0	1592.6	1608.5	1620.0	1636.0	1664.2
12.5°	1470.1	1446.9	1444.4	1431.8	1444.4	1446.9	1470.1	1490.6	1521.8	1537.2	1567.1
15°	1251.7	1247.4	1232.9	1223.5	1232.9	1247.4	1251.7	1269.0	1280.6	1322.5	1370.9
17.5°	1126.9	1112.8	1108.2	1106.3	1108.2	1112.8	1126.9	1135.3	1151.8	1173.8	1203.1
20°	1046.6	1033.6	1031.4	1030.0	1031.4	1033.6	1046.6	1056.7	1069.7	1093.5	1123.9
22.5°	991.1	977.5	971.9	967.5	971.9	977.5	991.1	998.9	1010.8	1029.4	1049.9
25°	896.4	891.3	888.4	886.9	888.4	891.3	896.4	903.6	915.1	940.4	962.1
27.5°	822.3	811.2	809.0	805.2	809.0	811.2	822.3	835.1	847.1	858.5	877.9
30°	780.0	776.5	771.4	767.0	771.4	776.5	780.0	786.6	794.5	814.0	832.8
32.5°	730.4	727.4	722.8	720.9	722.8	727.4	730.4	739.1	755.8	767.8	781.4
35°	675.3	665.2	660.9	654.4	660.9	665.2	675.3	682.6	689.1	699.2	723.7
37.5°	617.1	611.8	605.7	607.8	605.7	611.8	617.1	620.2	633.9	647.9	658.6
40°	572.0	568.4	567.0	566.3	567.0	568.4	572.0	581.5	598.0	604.5	620.5
42.5°	536.2	526.2	522.5	522.4	522.5	526.2	536.2	546.8	557.0	567.6	584.0
45°	481.7	472.4	465.9	466.6	465.9	472.4	481.7	485.4	494.1	515.0	524.3
47.5°	426.0	425.7	421.7	422.9	421.7	425.7	426.0	432.3	443.4	456.2	471.2
50°	399.4	395.1	392.2	392.9	392.2	395.1	399.4	404.4	410.9	417.5	440.5
52.5°	374.0	370.2	368.0	371.0	368.0	370.2	374.0	376.7	381.5	388.0	403.6
55°	332.2	327.9	327.2	326.5	327.2	327.9	332.2	335.8	341.7	346.7	353.9
57.5°	285.6	282.7	278.3	276.4	278.3	282.7	285.6	291.0	297.8	304.5	312.0
60°	252.0	246.3	239.0	238.4	239.0	246.3	252.0	261.5	264.4	274.5	283.1
62.5°	221.4	220.3	218.9	218.7	218.9	220.3	221.4	224.5	228.6	243.3	253.6
65°	194.3	193.6	194.3	195.0	194.3	193.6	194.3	195.8	196.4	197.9	202.3
67.5°	169.3	168.0	166.7	167.3	166.7	168.0	169.3	169.6	171.6	172.5	175.5
70°	150.2	149.5	148.8	148.8	148.8	149.5	150.2	151.7	153.2	154.6	158.2
72.5°	131.8	131.6	130.9	130.3	130.9	131.6	131.8	134.3	135.3	136.7	139.1
75°	105.5	104.0	104.0	104.0	104.0	104.0	105.5	106.1	106.9	109.1	110.5
77.5°	80.3	79.6	78.9	78.3	78.9	79.6	80.3	80.5	81.6	82.1	83.6
80°	63.5	62.9	62.1	62.1	62.1	62.9	63.5	64.3	64.3	66.4	65.7
82.5°	48.5	47.8	47.7	47.1	47.7	47.8	48.5	48.6	48.6	50.2	50.1
85°	26.0	26.8	26.0	27.4	26.0	26.8	26.0	25.3	26.0	27.4	27.4
87.5°	12.2	11.6	12.3	11.8	12.3	11.6	12.2	12.1	12.5	12.3	12.1
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°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	1998.9	2007.1	2019.2	2026.1	2037.7	2045.2	2049.3	2056.7	2060.8	2075.3	2090.3
5°	1887.3	1898.8	1919.1	1937.9	1958.1	1979.1	1994.2	2011.6	2027.4	2054.8	2083.8
7.5°	1759.3	1775.4	1806.7	1836.6	1871.9	1901.5	1927.6	1957.2	1983.7	2023.0	2064.0
10°	1663.4	1691.6	1732.8	1761.0	1807.1	1836.7	1877.9	1910.4	1947.3	1999.2	2045.5
12.5°	1580.7	1614.8	1647.8	1687.0	1728.5	1777.8	1823.1	1864.8	1908.6	1962.3	2016.6
15°	1430.9	1480.0	1531.3	1570.9	1627.3	1679.3	1732.0	1788.4	1841.8	1906.1	1976.9
17.5°	1237.8	1294.8	1381.0	1449.1	1515.2	1567.4	1632.7	1700.8	1763.8	1841.4	1920.1
20°	1150.6	1192.5	1250.9	1342.7	1442.4	1498.0	1564.4	1639.6	1711.8	1796.3	1880.8
22.5°	1080.6	1117.9	1164.9	1236.4	1347.6	1423.4	1492.8	1569.1	1652.8	1739.1	1832.9
25°	980.8	1006.8	1055.9	1113.7	1190.3	1315.2	1391.1	1467.6	1558.7	1651.1	1758.0
27.5°	905.9	929.3	961.2	1016.3	1073.3	1163.0	1283.6	1367.2	1457.8	1561.9	1672.8
30°	848.7	876.1	911.5	950.6	1012.7	1082.7	1203.3	1300.1	1389.7	1496.6	1615.0
32.5°	807.1	828.8	858.9	898.5	950.3	1017.4	1113.7	1231.3	1318.6	1431.3	1554.9
35°	738.9	764.2	788.7	826.3	868.2	929.5	1002.5	1128.2	1214.8	1326.1	1450.3
37.5°	682.7	698.1	725.3	755.1	799.3	845.1	908.3	1021.1	1114.7	1224.0	1351.1
40°	639.9	659.4	679.7	712.8	749.0	793.1	855.2	939.0	1046.6	1153.5	1277.7
42.5°	598.3	623.0	644.4	666.7	706.2	750.3	800.9	871.9	981.8	1083.0	1203.7
45°	548.2	564.1	586.4	611.1	643.6	681.1	725.9	788.0	893.4	980.8	1094.3
47.5°	489.8	513.1	527.7	551.7	582.6	618.4	660.1	713.8	799.1	881.0	986.2
50°	450.0	473.8	494.7	516.4	543.8	578.5	613.2	665.2	733.9	819.8	918.0
52.5°	415.8	436.9	457.2	478.9	505.8	537.5	570.4	616.1	674.9	753.9	849.2
55°	369.1	382.1	403.0	424.7	448.6	478.9	510.7	548.9	599.5	665.9	743.2
57.5°	321.1	336.1	352.8	374.6	398.7	422.0	450.5	485.2	525.1	585.2	651.4
60°	294.0	305.5	319.2	341.7	364.0	384.9	412.5	441.3	478.9	530.8	587.2
62.5°	263.9	274.9	287.5	307.0	328.8	348.0	371.9	402.6	434.4	481.7	531.1
65°	213.8	229.7	242.0	259.3	277.4	297.6	316.3	340.9	369.1	406.6	450.7
67.5°	177.3	185.3	196.7	212.4	231.0	248.4	266.1	285.3	309.7	338.7	373.7
70°	161.1	164.0	166.2	181.3	198.6	215.9	232.6	250.6	271.5	295.4	325.7
72.5°	142.0	144.9	147.6	154.1	168.0	185.3	202.6	215.9	235.7	255.5	280.1
75°	112.6	117.0	119.1	122.8	127.8	139.4	155.3	168.2	179.8	195.0	214.5
77.5°	85.8	88.2	90.6	94.3	97.6	102.8	111.8	123.5	134.3	143.2	156.6
80°	67.9	68.6	71.5	73.0	77.3	80.9	85.2	94.6	105.5	109.1	118.5
82.5°	51.2	51.8	54.2	55.6	57.7	60.7	66.2	68.6	77.1	81.9	87.8
85°	28.2	27.4	29.6	29.6	31.1	32.5	33.9	37.5	39.7	45.5	46.9
87.5°	12.4	12.3	12.5	12.3	11.9	12.7	12.9	13.1	13.8	15.1	17.0
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



TEST NUMBER: P331853-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2090.8	2092.5	2104.1	2109.3	2119.8	2123.7	2128.4	2127.2	2127.2	2129.6	2145.7
5°	2095.4	2109.8	2131.5	2152.4	2172.7	2189.9	2201.5	2213.1	2217.4	2238.4	2257.1
7.5°	2087.8	2114.4	2150.2	2182.2	2220.4	2250.3	2275.2	2297.5	2312.9	2343.3	2374.5
10°	2078.0	2115.5	2156.0	2197.2	2249.8	2289.6	2330.1	2361.2	2371.2	2416.8	2442.8
12.5°	2058.3	2108.7	2160.0	2213.4	2264.9	2319.7	2364.2	2395.2	2430.7	2471.6	2519.6
15°	2028.9	2086.7	2153.8	2222.4	2296.1	2362.6	2410.3	2464.4	2503.4	2548.2	2590.1
17.5°	1986.6	2061.0	2146.4	2225.8	2311.0	2382.4	2448.0	2499.9	2527.4	2553.0	2559.2
20°	1953.0	2033.3	2133.6	2227.5	2312.7	2395.1	2460.0	2503.4	2510.7	2511.3	2473.0
22.5°	1916.7	2007.2	2112.2	2208.5	2310.5	2402.0	2452.6	2471.1	2442.4	2393.5	2319.4
25°	1849.7	1954.5	2076.5	2186.3	2297.5	2384.3	2401.6	2369.1	2268.7	2163.2	2029.6
27.5°	1777.3	1895.0	2025.8	2147.9	2266.3	2320.1	2282.6	2165.5	1984.7	1827.5	1637.0
30°	1724.1	1856.2	1984.8	2121.3	2231.1	2254.2	2168.3	1995.6	1784.7	1547.8	1357.9
32.5°	1663.4	1802.0	1943.2	2084.3	2176.2	2153.7	2011.7	1799.2	1551.9	1319.0	1139.4
35°	1576.7	1719.8	1872.2	2013.7	2072.2	1974.7	1762.4	1485.7	1232.9	1015.5	892.0
37.5°	1476.6	1632.4	1790.8	1920.8	1916.7	1754.2	1464.9	1179.3	966.9	838.3	750.3
40°	1405.5	1563.0	1734.2	1844.0	1797.1	1585.4	1272.0	1002.5	847.3	744.7	680.4
42.5°	1337.4	1495.4	1665.5	1752.7	1671.0	1410.9	1098.6	887.5	759.4	679.4	627.3
45°	1221.3	1388.2	1545.7	1594.0	1448.1	1161.4	888.4	735.3	650.1	590.8	554.7
47.5°	1108.0	1272.1	1415.8	1416.6	1219.4	941.9	749.4	636.3	563.5	517.7	491.4
50°	1038.6	1194.7	1315.2	1296.5	1072.6	837.8	670.2	572.8	512.1	476.7	449.2
52.5°	960.6	1112.0	1216.4	1163.0	948.4	737.3	599.2	517.3	467.0	436.2	411.7
55°	847.3	981.6	1055.3	974.3	773.5	613.2	506.3	442.1	404.4	378.4	357.5
57.5°	735.8	846.7	893.1	798.8	637.2	508.5	428.3	380.0	342.8	324.1	313.3
60°	665.9	760.5	793.1	689.1	554.0	444.9	379.2	334.4	307.0	294.7	283.9
62.5°	597.2	674.5	687.9	592.6	483.0	389.5	333.0	295.1	276.9	265.2	255.0
65°	495.5	551.1	544.6	468.1	382.1	309.2	268.0	244.9	231.1	214.5	196.4
67.5°	407.9	441.9	421.4	364.0	291.6	240.3	213.4	195.9	178.8	163.1	158.9
70°	352.5	371.9	350.3	297.6	239.0	201.5	179.8	158.9	148.8	145.2	138.6
72.5°	299.4	306.1	282.7	237.5	194.5	166.8	145.7	134.0	128.6	125.5	121.3
75°	224.6	219.6	199.3	164.0	135.1	116.3	109.8	105.5	101.8	99.0	96.8
77.5°	157.8	150.3	132.3	109.2	94.1	85.1	81.2	78.9	77.1	75.7	73.5
80°	118.5	113.4	95.4	78.0	71.5	67.2	65.0	62.1	62.1	60.7	58.5
82.5°	86.7	81.1	65.3	57.2	53.6	51.0	49.4	47.7	47.1	47.4	45.8
85°	45.5	36.9	32.5	31.1	28.9	27.4	28.2	26.8	26.8	26.8	26.0
87.5°	14.5	12.1	11.9	11.8	12.7	13.0	12.8	13.1	14.0	13.7	14.4
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°	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7	2078.7
2.5°	2151.5	2159.0	2162.5	2162.5	2166.5	2164.8	2163.0
5°	2275.2	2288.9	2291.8	2304.8	2314.1	2311.3	2312.7
7.5°	2398.1	2420.2	2442.0	2452.0	2453.5	2459.4	2461.5
10°	2473.8	2491.9	2525.8	2520.7	2546.0	2560.5	2536.7
12.5°	2546.6	2571.0	2594.5	2601.0	2615.4	2620.0	2610.6
15°	2612.4	2625.5	2627.0	2623.3	2627.6	2624.0	2610.3
17.5°	2550.9	2529.9	2487.1	2466.8	2450.8	2427.1	2417.6
20°	2449.2	2387.1	2314.9	2286.0	2252.0	2185.6	2201.5
22.5°	2229.7	2158.9	2086.7	2002.3	1962.0	1899.0	1895.3
25°	1888.0	1765.9	1631.6	1537.8	1482.8	1420.0	1392.5
27.5°	1467.9	1314.3	1204.2	1148.4	1097.7	1047.9	1045.8
30°	1191.8	1076.2	991.0	943.3	912.2	891.3	895.6
32.5°	1004.6	925.4	867.9	828.3	805.3	789.6	789.3
35°	821.2	767.0	730.2	713.6	697.0	685.4	686.2
37.5°	702.8	670.2	649.8	631.4	621.0	615.4	612.2
40°	642.1	615.4	599.5	588.6	579.9	572.0	570.6
42.5°	594.2	572.0	556.2	547.6	539.5	534.0	532.4
45°	527.3	509.2	494.7	485.4	481.7	476.7	476.7
47.5°	469.0	451.3	440.0	434.1	427.9	424.5	424.4
50°	429.8	416.0	406.0	402.3	397.3	395.1	394.4
52.5°	394.5	384.3	377.0	374.6	372.4	369.7	370.1
55°	346.7	340.9	338.0	335.8	332.2	327.9	330.8
57.5°	306.4	301.5	293.7	286.9	283.6	280.5	281.7
60°	278.1	268.0	257.9	249.9	247.7	241.2	241.2
62.5°	242.2	228.1	215.7	211.2	209.1	206.0	205.4
65°	186.3	180.6	177.7	174.7	173.3	173.3	171.9
67.5°	154.4	152.1	148.9	148.2	146.8	146.4	145.9
70°	136.5	133.7	132.1	131.5	130.0	130.7	128.6
72.5°	119.1	116.9	116.6	114.7	113.9	114.0	112.4
75°	93.9	93.9	93.2	92.5	91.0	90.3	91.0
77.5°	72.2	72.4	71.1	71.0	70.8	71.0	70.2
80°	57.8	58.5	57.8	57.0	56.4	57.0	56.4
82.5°	45.6	44.7	44.5	44.4	44.2	43.7	43.6
85°	26.0	26.8	26.0	25.3	25.3	25.3	26.0
87.5°	14.0	14.2	14.3	14.4	14.5	14.6	14.1
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)