

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: P332036-935

Luminaire Tested: **S123DIP-S1000D1195U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332036-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D1195U935-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7759.6 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

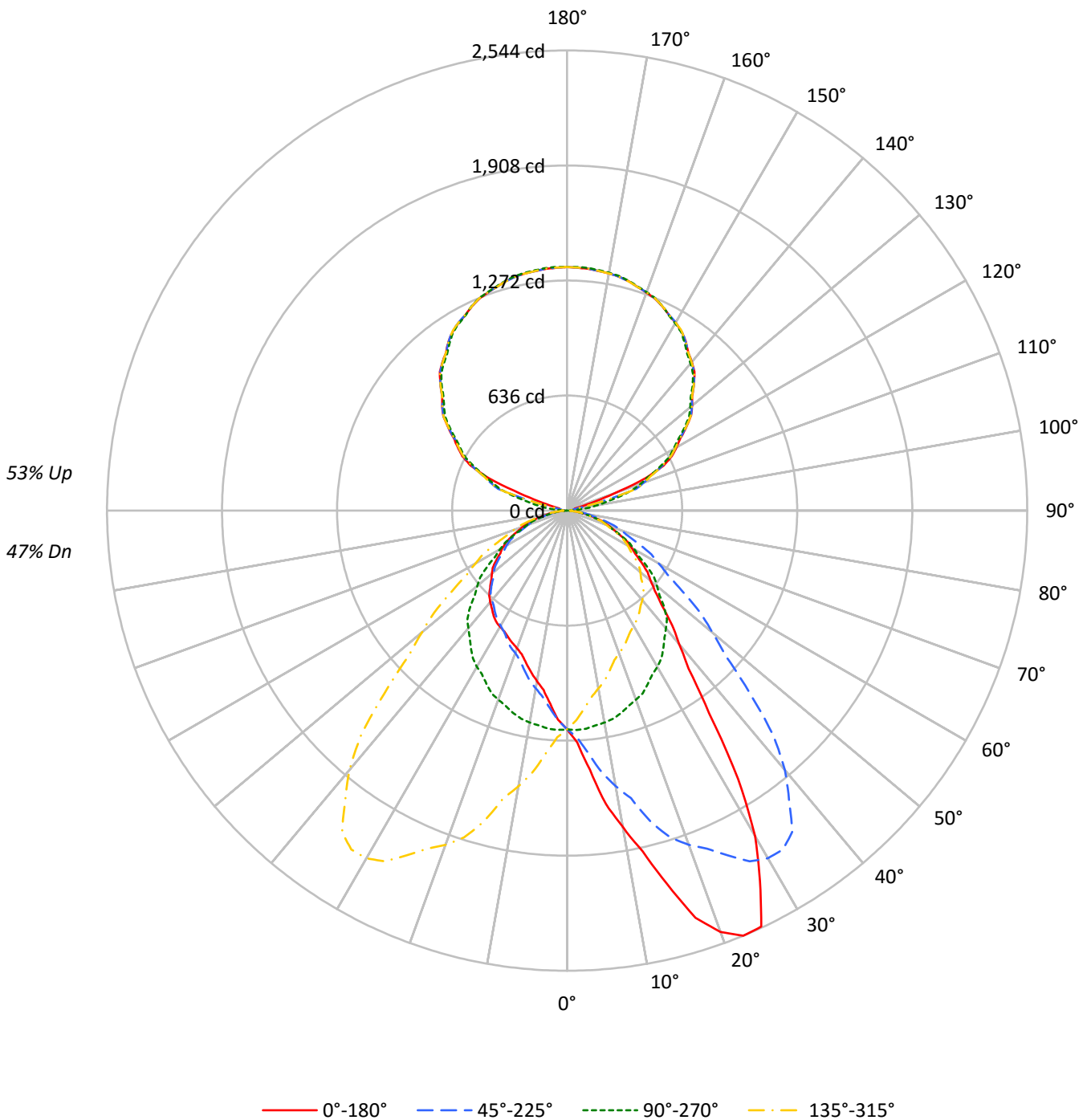
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47				
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40				
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34				
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	38	35	33	29				
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25				
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	28	25	22				
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22	19				
7	58	46	38	33	53	43	36	31	37	31	27	31	27	23	25	22	20	17				
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	15				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	21	18	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13017	13017	13017	13017
5°	15524	13073	11585	13073
10°	19429	13007	10463	13007
15°	23832	12902	9742	12902
20°	28389	12739	9275	12739
25°	30144	12539	9171	12539
30°	25838	12394	9220	12394
35°	17969	12188	9315	12188
40°	13534	11946	9286	11946
45°	11237	11586	9168	11586
50°	10068	10851	9085	10851
55°	9411	10061	8972	10061
60°	8829	9233	8880	9233
65°	8298	8418	8596	8418
70°	7783	7487	8186	7487
75°	6970	6554	7507	6554
80°	6100	5374	6465	5374
85°	4780	3903	4335	3903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	1.5
10°-20°	382.0	4.9
20°-30°	641.1	8.3
30°-40°	725.9	9.4
40°-50°	651.0	8.4
50°-60°	525.3	6.8
60°-70°	366.1	4.7
70°-80°	192.4	2.5
80°-90°	50.8	0.7
90°-100°	48.9	0.6
100°-110°	233.3	3.0
110°-120°	560.4	7.2
120°-130°	713.6	9.2
130°-140°	762.5	9.8
140°-150°	713.0	9.2
150°-160°	575.1	7.4
160°-170°	371.2	4.8
170°-180°	127.9	1.6
0°-30°	1142.2	14.7
0°-40°	1868.1	24.1
0°-60°	3044.4	39.2
0°-90°	3653.7	47.1
90°-120°	842.6	10.9
90°-150°	3031.7	39.1
90°-180°	4106.0	52.9
0°-180°	7759.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1209	1209	1209	1209	1209	
5°	1437	1210	1072	1210	1437	149
15°	2139	1158	874	1158	2139	617
25°	2538	1056	772	1056	2538	1113
35°	1368	928	709	928	1368	888
45°	738	761	602	761	738	584
55°	502	536	478	536	502	450
65°	326	330	338	330	326	324
75°	168	158	180	158	168	179
85°	39	32	35	32	39	47
90°	30	1	30	1	30	16
95°	38	61	38	61	38	32
105°	44	298	44	298	44	101
115°	588	559	588	559	588	543
125°	804	788	804	788	804	718
135°	991	981	991	981	991	764
145°	1143	1132	1143	1132	1143	714
155°	1245	1247	1245	1247	1245	574
165°	1312	1315	1312	1315	1312	371
175°	1341	1346	1341	1346	1341	128
180°	1346	1346	1346	1346	1346	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1283.3	1282.5	1280.0	1281.9	1278.2	1273.1	1272.6	1267.9	1254.3	1253.4	1249.7
5°	1436.7	1431.9	1431.3	1430.8	1422.5	1411.4	1390.3	1388.6	1360.5	1346.4	1329.4
7.5°	1635.1	1637.6	1629.0	1621.5	1596.5	1579.9	1557.3	1528.4	1493.8	1458.8	1435.5
10°	1777.6	1797.0	1773.0	1756.5	1741.3	1712.6	1679.2	1637.6	1596.0	1547.4	1510.5
12.5°	1930.4	1939.9	1935.1	1919.7	1896.0	1852.3	1793.1	1747.3	1709.0	1628.0	1595.3
15°	2138.6	2174.3	2151.5	2098.7	2099.9	2058.3	1980.9	1896.0	1850.9	1779.9	1683.3
17.5°	2360.3	2364.7	2355.0	2311.0	2281.7	2224.6	2153.2	2071.7	1980.4	1894.5	1792.1
20°	2478.4	2474.9	2454.4	2431.5	2381.1	2336.6	2258.7	2167.8	2050.6	1966.3	1854.4
22.5°	2544.0	2538.1	2528.4	2509.3	2467.4	2419.6	2349.6	2250.3	2138.8	2022.6	1893.3
25°	2538.1	2545.7	2546.9	2541.7	2527.0	2498.3	2443.2	2364.1	2252.8	2103.4	1968.7
27.5°	2308.4	2319.3	2350.5	2378.3	2409.3	2441.0	2436.8	2397.5	2315.1	2186.1	2021.4
30°	2078.8	2055.4	2113.3	2186.6	2236.4	2324.3	2373.5	2376.4	2330.1	2219.4	2058.8
32.5°	1760.1	1785.8	1811.5	1901.6	2010.4	2109.1	2207.1	2286.0	2295.0	2221.3	2080.9
35°	1367.5	1399.7	1446.6	1493.5	1610.7	1711.4	1883.7	2033.7	2153.2	2169.0	2082.8
37.5°	1102.0	1117.9	1147.5	1194.6	1271.2	1390.7	1524.0	1713.6	1886.7	2015.5	2021.1
40°	963.2	967.9	1001.3	1037.1	1099.2	1197.6	1317.7	1485.2	1692.6	1872.6	1947.6
42.5°	859.2	869.4	883.6	918.0	967.4	1041.5	1153.1	1291.7	1481.8	1688.8	1835.5
45°	738.2	749.9	758.7	781.6	816.7	866.5	944.5	1071.0	1215.7	1429.6	1627.0
47.5°	658.3	659.3	665.8	683.0	707.0	744.3	799.4	880.7	1013.6	1187.1	1389.7
50°	601.2	610.5	612.9	626.3	645.1	672.6	718.3	787.5	896.5	1048.8	1235.1
52.5°	560.9	563.6	570.2	580.0	596.3	617.8	657.4	711.5	797.0	926.9	1098.2
55°	501.5	501.5	508.0	515.6	525.0	544.3	570.7	610.5	675.5	776.4	918.1
57.5°	446.7	449.6	454.2	456.5	464.5	477.3	499.3	529.5	578.1	655.7	768.4
60°	410.1	415.4	414.8	419.5	426.5	436.5	455.2	479.8	523.2	585.3	680.3
62.5°	378.2	377.9	377.8	383.4	390.5	399.9	412.2	433.4	470.3	525.3	606.1
65°	325.8	324.6	328.7	332.2	334.6	341.6	350.9	369.7	394.3	435.3	498.0
67.5°	279.1	275.7	277.9	279.1	283.1	288.6	297.4	309.0	328.6	361.5	408.7
70°	247.3	244.4	243.7	244.9	248.4	252.5	259.0	270.1	288.3	314.6	349.2
72.5°	214.5	212.4	212.3	214.9	216.5	219.2	223.8	234.0	248.4	268.2	300.5
75°	167.6	167.6	167.6	168.2	169.9	172.3	175.7	181.1	192.2	206.2	227.9
77.5°	125.6	125.5	124.8	124.7	127.3	128.3	129.2	134.1	140.3	149.7	165.6
80°	98.4	95.5	96.7	98.4	99.6	100.2	101.9	103.1	108.4	113.7	124.8
82.5°	73.1	70.7	70.9	73.6	73.8	74.4	76.2	77.8	79.8	84.6	90.6
85°	38.7	38.7	39.3	39.3	39.9	39.3	41.0	41.6	41.6	44.5	48.0
87.5°	20.1	19.0	19.5	19.8	19.2	19.5	19.9	20.1	20.4	20.8	20.7
90°	30.0	29.5	29.1	28.7	28.2	27.6	26.7	25.7	24.9	24.0	21.1
92.5°	33.2	33.0	32.7	32.4	32.1	31.3	29.9	28.4	27.0	25.6	23.4
95°	38.0	38.0	38.0	38.0	38.0	37.2	35.6	34.1	32.5	31.0	28.6
97.5°	41.2	41.0	40.8	40.6	40.3	39.3	37.5	35.7	34.0	32.2	48.2
100°	42.0	41.8	41.6	41.3	41.2	40.1	38.3	36.6	34.8	33.0	67.7
102.5°	42.8	42.4	42.0	41.6	41.2	43.7	49.2	54.8	60.3	65.8	103.7
105°	44.0	43.6	43.1	42.7	42.3	61.6	101.0	140.3	179.7	219.0	239.1
107.5°	138.3	167.9	197.5	227.2	256.8	286.1	315.0	343.8	372.6	401.6	398.4
110°	275.1	306.9	338.6	370.5	402.3	421.8	429.1	436.4	443.8	451.2	448.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	471.9	478.6	485.3	492.1	498.8	502.1	502.0	501.8	501.7	501.5	499.1
115°	588.1	587.3	586.4	585.5	584.6	583.1	580.8	578.6	576.4	574.2	572.2
117.5°	653.4	653.2	653.1	652.9	652.7	651.7	650.0	648.2	646.4	644.6	643.6
120°	698.2	698.2	698.2	698.2	698.2	697.3	695.5	693.8	692.0	690.2	689.6
122.5°	742.3	742.1	741.8	741.7	741.5	740.8	739.6	738.3	737.1	735.8	734.9
125°	804.3	803.8	803.4	802.9	802.5	802.0	801.6	801.2	800.7	800.2	799.4
127.5°	863.8	864.4	864.8	865.2	865.6	865.5	864.8	864.1	863.4	862.6	861.6
130°	902.3	902.8	903.2	903.6	904.0	903.9	902.9	902.1	901.2	900.3	899.4
132.5°	937.5	938.1	938.7	939.4	940.0	939.9	939.0	938.1	937.2	936.3	935.6
135°	991.4	992.0	992.6	993.3	994.0	994.0	993.3	992.6	992.0	991.4	990.4
137.5°	1041.9	1042.4	1042.8	1043.3	1043.7	1043.4	1042.3	1041.3	1040.2	1039.1	1038.6
140°	1072.4	1072.8	1073.2	1073.7	1074.1	1073.9	1073.0	1072.1	1071.3	1070.3	1069.7
142.5°	1100.4	1101.0	1101.6	1102.3	1102.9	1102.8	1102.1	1101.4	1100.7	1099.9	1099.3
145°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.1	1142.7	1142.3	1141.8	1141.3	1140.9
147.5°	1175.4	1176.4	1177.4	1178.5	1179.5	1179.7	1179.3	1178.9	1178.5	1177.9	1177.5
150°	1199.4	1200.1	1200.8	1201.4	1202.0	1202.1	1201.7	1201.3	1200.8	1200.4	1200.0
152.5°	1218.6	1219.6	1220.6	1221.7	1222.7	1222.8	1222.0	1221.2	1220.4	1219.6	1219.3
155°	1245.4	1246.7	1248.1	1249.4	1250.7	1250.9	1249.7	1248.6	1247.5	1246.4	1246.2
157.5°	1268.0	1269.7	1271.4	1273.2	1275.0	1275.1	1273.8	1272.5	1271.2	1269.8	1270.1
160°	1282.4	1283.9	1285.6	1287.1	1288.7	1288.7	1287.4	1286.1	1284.8	1283.4	1283.7
162.5°	1296.0	1297.4	1298.7	1300.1	1301.5	1301.5	1299.9	1298.5	1296.9	1295.4	1295.6
165°	1312.4	1314.0	1315.5	1317.1	1318.6	1318.5	1316.7	1315.0	1313.2	1311.4	1311.6
167.5°	1324.2	1326.0	1327.7	1329.6	1331.4	1331.4	1329.6	1327.7	1326.0	1324.2	1324.2
170°	1331.5	1333.2	1335.0	1336.8	1338.5	1338.5	1336.8	1335.0	1333.2	1331.5	1331.5
172.5°	1335.4	1337.4	1339.4	1341.3	1343.2	1343.3	1341.5	1339.8	1338.0	1336.2	1336.0
175°	1341.4	1343.2	1345.0	1346.8	1348.5	1348.7	1347.1	1345.6	1344.0	1342.4	1342.2
177.5°	1343.2	1345.0	1346.8	1348.6	1350.3	1350.5	1349.1	1347.6	1346.3	1344.8	1344.6
180°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1246.8	1243.0	1239.3	1232.8	1227.1	1219.2	1216.8	1214.0	1205.6	1198.1	1192.4
5°	1322.9	1308.9	1288.4	1269.6	1254.4	1233.9	1222.2	1209.9	1192.3	1176.5	1163.6
7.5°	1402.7	1375.0	1343.2	1308.6	1276.6	1245.6	1220.6	1198.4	1173.8	1150.5	1132.3
10°	1465.9	1426.1	1381.6	1333.5	1292.5	1252.7	1219.3	1190.0	1158.3	1130.8	1107.9
12.5°	1538.1	1479.0	1417.6	1359.3	1310.8	1255.5	1215.0	1177.8	1141.9	1108.8	1083.1
15°	1623.5	1548.5	1475.9	1395.6	1321.8	1252.7	1204.6	1157.8	1116.1	1082.2	1049.4
17.5°	1701.3	1616.4	1520.6	1423.1	1333.9	1252.0	1184.7	1131.7	1079.7	1038.1	1005.4
20°	1745.4	1648.7	1540.3	1439.0	1340.6	1249.1	1175.4	1112.1	1055.8	1011.8	974.9
22.5°	1783.4	1670.3	1558.2	1449.8	1340.1	1241.6	1158.0	1092.9	1031.9	988.9	949.6
25°	1822.7	1687.4	1574.9	1447.8	1325.3	1223.4	1129.6	1055.8	994.9	944.5	904.0
27.5°	1856.5	1686.3	1552.7	1416.0	1302.1	1199.9	1099.8	1020.6	956.0	901.2	860.2
30°	1879.0	1688.6	1529.8	1394.5	1279.6	1174.1	1076.9	997.2	929.3	873.6	834.9
32.5°	1893.1	1687.1	1508.7	1364.4	1244.0	1150.7	1052.1	969.6	899.7	845.0	807.7
35°	1901.3	1676.9	1472.4	1302.4	1186.5	1095.6	1013.1	927.5	854.3	803.3	761.1
37.5°	1884.8	1655.2	1430.2	1242.7	1115.7	1026.2	956.7	883.9	813.8	757.7	721.3
40°	1859.1	1641.2	1397.4	1200.5	1067.0	980.8	921.6	850.2	781.0	727.7	693.7
42.5°	1809.8	1612.5	1361.3	1153.7	1016.3	930.1	875.7	816.0	750.5	700.5	666.5
45°	1689.7	1550.3	1307.2	1083.3	941.5	852.5	804.4	761.1	701.9	653.2	624.0
47.5°	1523.1	1456.6	1228.9	1009.2	863.5	777.8	727.9	693.0	649.8	610.5	582.4
50°	1407.3	1379.8	1175.9	958.6	811.5	727.7	679.7	648.0	617.0	577.7	551.9
52.5°	1273.8	1290.7	1114.0	906.0	758.5	676.1	630.9	605.8	577.6	545.4	522.9
55°	1085.7	1147.2	1007.2	817.9	679.7	601.2	558.4	536.1	519.7	495.7	476.3
57.5°	909.6	987.8	891.7	727.1	602.2	534.4	493.4	469.2	458.7	446.1	430.8
60°	805.0	882.4	809.2	666.2	550.2	485.7	449.4	428.9	418.4	409.6	396.7
62.5°	711.8	790.1	728.5	604.3	499.0	439.3	407.7	387.6	379.4	374.9	363.9
65°	583.6	650.9	609.9	508.0	425.9	373.2	344.5	330.5	322.9	321.1	314.0
67.5°	474.9	526.2	496.4	421.4	356.8	311.3	286.9	274.9	269.1	268.5	263.2
70°	403.7	451.8	428.9	360.9	305.2	269.5	248.4	237.9	234.4	233.8	230.8
72.5°	348.4	381.9	363.7	307.0	264.0	231.5	216.1	205.1	201.0	201.9	199.9
75°	257.8	283.0	272.4	233.2	198.6	177.5	164.6	157.6	154.1	155.8	153.5
77.5°	185.5	201.5	191.9	164.8	143.4	128.2	118.7	114.3	111.2	111.1	110.0
80°	140.0	149.4	144.1	127.7	110.1	97.3	89.6	86.7	85.0	84.4	83.8
82.5°	99.7	107.7	101.5	90.2	78.3	70.5	66.2	62.3	61.0	61.4	60.8
85°	50.4	53.3	51.0	43.9	39.3	35.7	33.4	31.6	30.5	31.1	29.9
87.5°	21.0	20.8	18.9	16.5	15.2	13.3	12.8	11.5	10.9	11.4	11.4
90°	18.3	15.3	12.5	9.9	7.7	5.4	3.2	1.0	3.2	5.4	7.7
92.5°	21.3	19.1	16.9	16.1	16.7	17.4	18.0	18.6	18.0	17.4	16.7
95°	26.1	23.7	21.3	24.5	33.7	42.8	51.9	61.0	51.9	42.8	33.7
97.5°	64.2	80.2	96.3	106.2	110.4	114.4	118.6	122.6	118.6	114.4	110.4
100°	102.4	137.1	171.7	186.8	182.4	178.0	173.5	169.0	173.5	178.0	182.4
102.5°	141.5	179.4	217.3	234.7	231.4	228.3	225.1	221.9	225.1	228.3	231.4
105°	259.1	279.1	299.1	307.9	305.4	303.0	300.6	298.1	300.6	303.0	305.4
107.5°	395.2	392.1	388.9	386.3	384.4	382.5	380.5	378.5	380.5	382.5	384.4
110°	446.3	443.8	441.3	439.3	437.5	435.7	433.9	432.1	433.9	435.7	437.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	496.7	494.2	491.8	489.7	488.2	486.6	484.9	483.4	484.9	486.6	488.2
115°	570.2	568.2	566.2	564.5	563.2	561.8	560.5	559.2	560.5	561.8	563.2
117.5°	642.6	641.5	640.5	639.2	637.6	635.8	634.2	632.6	634.2	635.8	637.6
120°	688.9	688.2	687.6	686.2	684.2	682.3	680.2	678.2	680.2	682.3	684.2
122.5°	734.2	733.3	732.5	731.2	729.5	727.9	726.3	724.6	726.3	727.9	729.5
125°	798.5	797.5	796.7	795.4	793.6	791.8	790.1	788.2	790.1	791.8	793.6
127.5°	860.6	859.5	858.4	857.0	855.2	853.4	851.6	849.9	851.6	853.4	855.2
130°	898.5	897.6	896.7	895.4	893.6	891.8	890.1	888.3	890.1	891.8	893.6
132.5°	934.9	934.2	933.4	932.2	930.4	928.7	926.9	925.1	926.9	928.7	930.4
135°	989.5	988.7	987.7	986.6	985.3	984.0	982.7	981.3	982.7	984.0	985.3
137.5°	1038.2	1037.7	1037.2	1036.1	1034.4	1032.7	1031.0	1029.3	1031.0	1032.7	1034.4
140°	1069.0	1068.3	1067.6	1066.7	1065.3	1064.0	1062.6	1061.4	1062.6	1064.0	1065.3
142.5°	1098.6	1097.9	1097.3	1096.3	1094.9	1093.6	1092.3	1091.0	1092.3	1093.6	1094.9
145°	1140.5	1140.1	1139.6	1138.6	1137.0	1135.5	1133.9	1132.4	1133.9	1135.5	1137.0
147.5°	1177.1	1176.6	1176.2	1175.4	1174.4	1173.5	1172.4	1171.4	1172.4	1173.5	1174.4
150°	1199.5	1199.0	1198.6	1198.1	1197.4	1196.7	1196.0	1195.4	1196.0	1196.7	1197.4
152.5°	1219.1	1218.7	1218.5	1218.2	1217.9	1217.6	1217.3	1217.0	1217.3	1217.6	1217.9
155°	1246.0	1245.7	1245.5	1245.6	1246.0	1246.5	1247.0	1247.4	1247.0	1246.5	1246.0
157.5°	1270.2	1270.5	1270.7	1270.8	1270.8	1270.9	1270.9	1271.0	1270.9	1270.9	1270.8
160°	1283.8	1284.1	1284.3	1284.5	1284.8	1285.0	1285.2	1285.4	1285.2	1285.0	1284.8
162.5°	1295.9	1296.1	1296.3	1296.7	1297.3	1297.9	1298.5	1299.0	1298.5	1297.9	1297.3
165°	1311.8	1312.1	1312.3	1312.8	1313.5	1314.1	1314.7	1315.4	1314.7	1314.1	1313.5
167.5°	1324.2	1324.2	1324.2	1324.6	1325.6	1326.5	1327.3	1328.3	1327.3	1326.5	1325.6
170°	1331.5	1331.5	1331.5	1331.9	1332.7	1333.7	1334.6	1335.4	1334.6	1333.7	1332.7
172.5°	1335.8	1335.7	1335.5	1335.9	1337.0	1338.1	1339.2	1340.2	1339.2	1338.1	1337.0
175°	1342.0	1341.8	1341.5	1342.0	1343.1	1344.2	1345.3	1346.4	1345.3	1344.2	1343.1
177.5°	1344.5	1344.3	1344.1	1344.5	1345.4	1346.3	1347.1	1348.1	1347.1	1346.3	1345.4
180°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1189.1	1185.9	1181.2	1174.1	1168.5	1159.6	1159.6	1161.1	1161.1	1160.5	1159.6
5°	1153.1	1144.3	1133.8	1121.5	1108.5	1095.6	1093.3	1088.6	1085.1	1082.7	1079.8
7.5°	1115.0	1099.4	1084.0	1066.8	1051.1	1038.1	1029.1	1021.6	1016.8	1011.6	1007.9
10°	1089.2	1069.9	1051.7	1033.5	1013.6	997.8	987.8	980.8	975.5	970.9	968.5
12.5°	1058.7	1036.6	1016.6	999.3	977.5	961.2	951.7	948.5	942.3	932.4	927.2
15°	1014.2	993.7	969.7	943.3	932.7	912.8	901.7	896.5	892.9	885.3	883.0
17.5°	976.1	949.3	922.3	902.7	883.0	866.9	860.7	854.1	849.5	843.3	841.4
20°	945.6	921.6	897.0	875.9	855.4	837.8	832.6	827.9	823.2	820.3	817.9
22.5°	914.7	890.7	870.3	850.6	828.7	817.2	811.5	806.3	803.1	801.1	798.7
25°	871.2	850.2	827.3	809.7	792.1	784.5	781.0	778.1	775.8	772.8	772.2
27.5°	832.3	809.3	790.8	774.5	761.8	755.4	752.1	750.6	751.1	752.2	752.9
30°	803.3	782.2	767.0	752.9	741.1	735.3	734.7	734.7	737.1	737.6	738.8
32.5°	776.5	759.2	744.0	730.4	721.5	717.5	719.7	719.7	721.6	723.2	725.2
35°	737.6	722.4	710.7	699.0	691.4	693.1	694.3	695.4	698.4	701.9	704.3
37.5°	700.5	687.3	675.1	665.9	662.5	665.6	668.4	670.9	674.2	676.9	679.3
40°	673.8	663.8	652.1	643.9	645.1	646.9	649.2	652.1	655.0	656.8	659.2
42.5°	648.9	638.5	629.6	622.8	624.5	626.7	628.1	629.6	633.0	636.2	637.6
45°	611.1	602.9	594.7	590.6	591.8	593.0	594.1	595.9	598.8	601.2	601.8
47.5°	568.5	562.8	557.3	553.4	555.2	554.7	556.3	560.0	560.9	562.3	565.6
50°	541.4	536.1	529.7	528.5	528.5	528.5	529.1	533.7	533.7	536.1	538.5
52.5°	511.3	508.0	503.9	501.8	500.8	500.8	503.3	505.7	506.6	509.9	512.2
55°	467.0	463.5	459.9	458.1	457.0	458.1	462.9	464.0	467.0	468.7	470.5
57.5°	420.7	418.0	415.2	414.2	414.0	415.5	418.1	421.6	422.3	427.7	430.4
60°	390.2	386.1	383.7	383.7	382.6	387.9	386.7	392.5	393.7	397.3	401.3
62.5°	358.8	353.3	352.3	352.3	354.0	355.5	357.1	359.7	362.8	367.2	370.4
65°	308.2	305.2	309.4	308.8	307.6	311.1	311.1	314.0	317.5	321.7	328.1
67.5°	260.3	258.7	259.1	259.1	260.9	262.9	264.5	267.1	271.3	275.6	279.8
70°	227.9	229.7	226.8	229.1	230.8	231.4	232.6	236.1	240.8	243.7	248.4
72.5°	196.5	196.4	196.7	197.7	199.4	200.5	201.6	205.7	210.8	213.3	217.1
75°	151.2	150.6	152.3	152.3	155.2	156.4	157.6	159.4	164.0	167.6	170.5
77.5°	110.4	111.1	110.7	112.7	111.9	112.1	115.8	117.5	118.0	124.9	126.5
80°	83.2	84.4	85.0	85.6	86.1	85.0	89.0	90.8	90.8	94.9	97.8
82.5°	59.8	60.4	62.0	62.6	62.7	63.9	64.2	65.5	66.9	68.7	72.5
85°	29.9	31.6	32.2	31.6	32.2	31.1	32.8	33.4	34.0	34.0	34.0
87.5°	11.4	12.3	12.5	13.5	13.6	14.6	14.8	14.0	14.2	15.8	14.1
90°	9.9	12.5	15.3	18.3	21.1	24.0	24.9	25.7	26.7	27.6	28.2
92.5°	16.1	16.9	19.1	21.3	23.4	25.6	27.0	28.4	29.9	31.3	32.1
95°	24.5	21.3	23.7	26.1	28.6	31.0	32.5	34.1	35.6	37.2	38.0
97.5°	106.2	96.3	80.2	64.2	48.2	32.2	34.0	35.7	37.5	39.3	40.3
100°	186.8	171.7	137.1	102.4	67.7	33.0	34.8	36.6	38.3	40.1	41.2
102.5°	234.7	217.3	179.4	141.5	103.7	65.8	60.3	54.8	49.2	43.7	41.2
105°	307.9	299.1	279.1	259.1	239.1	219.0	179.7	140.3	101.0	61.6	42.3
107.5°	386.3	388.9	392.1	395.2	398.4	401.6	372.6	343.8	315.0	286.1	256.8
110°	439.3	441.3	443.8	446.3	448.7	451.2	443.8	436.4	429.1	421.8	402.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	489.7	491.8	494.2	496.7	499.1	501.5	501.7	501.8	502.0	502.1	498.8
115°	564.5	566.2	568.2	570.2	572.2	574.2	576.4	578.6	580.8	583.1	584.6
117.5°	639.2	640.5	641.5	642.6	643.6	644.6	646.4	648.2	650.0	651.7	652.7
120°	686.2	687.6	688.2	688.9	689.6	690.2	692.0	693.8	695.5	697.3	698.2
122.5°	731.2	732.5	733.3	734.2	734.9	735.8	737.1	738.3	739.6	740.8	741.5
125°	795.4	796.7	797.5	798.5	799.4	800.2	800.7	801.2	801.6	802.0	802.5
127.5°	857.0	858.4	859.5	860.6	861.6	862.6	863.4	864.1	864.8	865.5	865.6
130°	895.4	896.7	897.6	898.5	899.4	900.3	901.2	902.1	902.9	903.9	904.0
132.5°	932.2	933.4	934.2	934.9	935.6	936.3	937.2	938.1	939.0	939.9	940.0
135°	986.6	987.7	988.7	989.5	990.4	991.4	992.0	992.6	993.3	994.0	994.0
137.5°	1036.1	1037.2	1037.7	1038.2	1038.6	1039.1	1040.2	1041.3	1042.3	1043.4	1043.7
140°	1066.7	1067.6	1068.3	1069.0	1069.7	1070.3	1071.3	1072.1	1073.0	1073.9	1074.1
142.5°	1096.3	1097.3	1097.9	1098.6	1099.3	1099.9	1100.7	1101.4	1102.1	1102.8	1102.9
145°	1138.6	1139.6	1140.1	1140.5	1140.9	1141.3	1141.8	1142.3	1142.7	1143.1	1143.3
147.5°	1175.4	1176.2	1176.6	1177.1	1177.5	1177.9	1178.5	1178.9	1179.3	1179.7	1179.5
150°	1198.1	1198.6	1199.0	1199.5	1200.0	1200.4	1200.8	1201.3	1201.7	1202.1	1202.0
152.5°	1218.2	1218.5	1218.7	1219.1	1219.3	1219.6	1220.4	1221.2	1222.0	1222.8	1222.7
155°	1245.6	1245.5	1245.7	1246.0	1246.2	1246.4	1247.5	1248.6	1249.7	1250.9	1250.7
157.5°	1270.8	1270.7	1270.5	1270.2	1270.1	1269.8	1271.2	1272.5	1273.8	1275.1	1275.0
160°	1284.5	1284.3	1284.1	1283.8	1283.7	1283.4	1284.8	1286.1	1287.4	1288.7	1288.7
162.5°	1296.7	1296.3	1296.1	1295.9	1295.6	1295.4	1296.9	1298.5	1299.9	1301.5	1301.5
165°	1312.8	1312.3	1312.1	1311.8	1311.6	1311.4	1313.2	1315.0	1316.7	1318.5	1318.6
167.5°	1324.6	1324.2	1324.2	1324.2	1324.2	1324.2	1326.0	1327.7	1329.6	1331.4	1331.4
170°	1331.9	1331.5	1331.5	1331.5	1331.5	1331.5	1333.2	1335.0	1336.8	1338.5	1338.5
172.5°	1335.9	1335.5	1335.7	1335.8	1336.0	1336.2	1338.0	1339.8	1341.5	1343.3	1343.2
175°	1342.0	1341.5	1341.8	1342.0	1342.2	1342.4	1344.0	1345.6	1347.1	1348.7	1348.5
177.5°	1344.5	1344.1	1344.3	1344.5	1344.6	1344.8	1346.3	1347.6	1349.1	1350.5	1350.3
180°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1156.3	1155.9	1159.2	1156.8	1159.2	1155.9	1156.3	1159.6	1160.5	1161.1	1161.1
5°	1076.3	1078.1	1072.2	1072.2	1072.2	1078.1	1076.3	1079.8	1082.7	1085.1	1088.6
7.5°	1005.0	1002.5	1002.7	999.5	1002.7	1002.5	1005.0	1007.9	1011.6	1016.8	1021.6
10°	961.5	957.9	956.7	957.3	956.7	957.9	961.5	968.5	970.9	975.5	980.8
12.5°	925.4	924.7	917.0	917.1	917.0	924.7	925.4	927.2	932.4	942.3	948.5
15°	883.0	871.8	870.6	874.2	870.6	871.8	883.0	883.0	885.3	892.9	896.5
17.5°	840.4	834.6	834.9	833.2	834.9	834.6	840.4	841.4	843.3	849.5	854.1
20°	817.9	814.4	813.8	809.7	813.8	814.4	817.9	817.9	820.3	823.2	827.9
22.5°	797.3	796.2	796.5	791.9	796.5	796.2	797.3	798.7	801.1	803.1	806.3
25°	771.6	774.6	772.2	772.2	772.2	774.6	771.6	772.2	772.8	775.8	778.1
27.5°	754.3	754.1	753.0	753.0	753.0	754.1	754.3	752.9	752.2	751.1	750.6
30°	741.1	740.5	741.8	741.8	741.8	740.5	741.1	738.8	737.6	737.1	734.7
32.5°	728.1	728.8	729.1	729.5	729.1	728.8	728.1	725.2	723.2	721.6	719.7
35°	707.7	708.3	710.2	708.9	710.2	708.3	707.7	704.3	701.9	698.4	695.4
37.5°	680.4	683.0	682.4	683.4	682.4	683.0	680.4	679.3	676.9	674.2	670.9
40°	659.7	661.5	660.9	660.9	660.9	661.5	659.7	659.2	656.8	655.0	652.1
42.5°	638.6	639.9	638.4	637.5	638.4	639.9	638.6	637.6	636.2	633.0	629.6
45°	604.1	602.9	604.7	602.3	604.7	602.9	604.1	601.8	601.2	598.8	595.9
47.5°	565.4	566.5	567.1	568.8	567.1	566.5	565.4	565.6	562.3	560.9	560.0
50°	539.6	543.1	543.1	542.5	543.1	543.1	539.6	538.5	536.1	533.7	533.7
52.5°	514.3	515.9	518.3	518.1	518.3	515.9	514.3	512.2	509.9	506.6	505.7
55°	475.2	476.3	477.5	478.1	477.5	476.3	475.2	470.5	468.7	467.0	464.0
57.5°	434.6	434.1	437.0	437.8	437.0	434.1	434.6	430.4	427.7	422.3	421.6
60°	406.0	406.0	410.7	412.5	410.7	406.0	406.0	401.3	397.3	393.7	392.5
62.5°	375.6	377.5	382.1	379.7	382.1	377.5	375.6	370.4	367.2	362.8	359.7
65°	331.1	335.7	335.1	337.5	335.1	335.7	331.1	328.1	321.7	317.5	314.0
67.5°	284.5	287.4	291.6	292.1	291.6	287.4	284.5	279.8	275.6	271.3	267.1
70°	253.1	256.1	258.4	260.1	258.4	256.1	253.1	248.4	243.7	240.8	236.1
72.5°	222.7	224.2	229.8	227.3	229.8	224.2	222.7	217.1	213.3	210.8	205.7
75°	174.6	178.7	182.2	180.5	182.2	178.7	174.6	170.5	167.6	164.0	159.4
77.5°	129.2	133.2	134.8	133.4	134.8	133.2	129.2	126.5	124.9	118.0	117.5
80°	101.9	101.3	104.9	104.3	104.9	101.3	101.9	97.8	94.9	90.8	90.8
82.5°	74.7	74.2	75.9	76.2	75.9	74.2	74.7	72.5	68.7	66.9	65.5
85°	36.3	38.1	35.7	35.1	35.7	38.1	36.3	34.0	34.0	34.0	33.4
87.5°	14.2	14.3	13.9	13.5	13.9	14.3	14.2	14.1	15.8	14.2	14.0
90°	28.7	29.1	29.5	30.0	29.5	29.1	28.7	28.2	27.6	26.7	25.7
92.5°	32.4	32.7	33.0	33.2	33.0	32.7	32.4	32.1	31.3	29.9	28.4
95°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	37.2	35.6	34.1
97.5°	40.6	40.8	41.0	41.2	41.0	40.8	40.6	40.3	39.3	37.5	35.7
100°	41.3	41.6	41.8	42.0	41.8	41.6	41.3	41.2	40.1	38.3	36.6
102.5°	41.6	42.0	42.4	42.8	42.4	42.0	41.6	41.2	43.7	49.2	54.8
105°	42.7	43.1	43.6	44.0	43.6	43.1	42.7	42.3	61.6	101.0	140.3
107.5°	227.2	197.5	167.9	138.3	167.9	197.5	227.2	256.8	286.1	315.0	343.8
110°	370.5	338.6	306.9	275.1	306.9	338.6	370.5	402.3	421.8	429.1	436.4



TEST NUMBER: P332036-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	492.1	485.3	478.6	471.9	478.6	485.3	492.1	498.8	502.1	502.0	501.8
115°	585.5	586.4	587.3	588.1	587.3	586.4	585.5	584.6	583.1	580.8	578.6
117.5°	652.9	653.1	653.2	653.4	653.2	653.1	652.9	652.7	651.7	650.0	648.2
120°	698.2	698.2	698.2	698.2	698.2	698.2	698.2	698.2	697.3	695.5	693.8
122.5°	741.7	741.8	742.1	742.3	742.1	741.8	741.7	741.5	740.8	739.6	738.3
125°	802.9	803.4	803.8	804.3	803.8	803.4	802.9	802.5	802.0	801.6	801.2
127.5°	865.2	864.8	864.4	863.8	864.4	864.8	865.2	865.6	865.5	864.8	864.1
130°	903.6	903.2	902.8	902.3	902.8	903.2	903.6	904.0	903.9	902.9	902.1
132.5°	939.4	938.7	938.1	937.5	938.1	938.7	939.4	940.0	939.9	939.0	938.1
135°	993.3	992.6	992.0	991.4	992.0	992.6	993.3	994.0	994.0	993.3	992.6
137.5°	1043.3	1042.8	1042.4	1041.9	1042.4	1042.8	1043.3	1043.7	1043.4	1042.3	1041.3
140°	1073.7	1073.2	1072.8	1072.4	1072.8	1073.2	1073.7	1074.1	1073.9	1073.0	1072.1
142.5°	1102.3	1101.6	1101.0	1100.4	1101.0	1101.6	1102.3	1102.9	1102.8	1102.1	1101.4
145°	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.1	1142.7	1142.3
147.5°	1178.5	1177.4	1176.4	1175.4	1176.4	1177.4	1178.5	1179.5	1179.7	1179.3	1178.9
150°	1201.4	1200.8	1200.1	1199.4	1200.1	1200.8	1201.4	1202.0	1202.1	1201.7	1201.3
152.5°	1221.7	1220.6	1219.6	1218.6	1219.6	1220.6	1221.7	1222.7	1222.8	1222.0	1221.2
155°	1249.4	1248.1	1246.7	1245.4	1246.7	1248.1	1249.4	1250.7	1250.9	1249.7	1248.6
157.5°	1273.2	1271.4	1269.7	1268.0	1269.7	1271.4	1273.2	1275.0	1275.1	1273.8	1272.5
160°	1287.1	1285.6	1283.9	1282.4	1283.9	1285.6	1287.1	1288.7	1288.7	1287.4	1286.1
162.5°	1300.1	1298.7	1297.4	1296.0	1297.4	1298.7	1300.1	1301.5	1301.5	1299.9	1298.5
165°	1317.1	1315.5	1314.0	1312.4	1314.0	1315.5	1317.1	1318.6	1318.5	1316.7	1315.0
167.5°	1329.6	1327.7	1326.0	1324.2	1326.0	1327.7	1329.6	1331.4	1331.4	1329.6	1327.7
170°	1336.8	1335.0	1333.2	1331.5	1333.2	1335.0	1336.8	1338.5	1338.5	1336.8	1335.0
172.5°	1341.3	1339.4	1337.4	1335.4	1337.4	1339.4	1341.3	1343.2	1343.3	1341.5	1339.8
175°	1346.8	1345.0	1343.2	1341.4	1343.2	1345.0	1346.8	1348.5	1348.7	1347.1	1345.6
177.5°	1348.6	1346.8	1345.0	1343.2	1345.0	1346.8	1348.6	1350.3	1350.5	1349.1	1347.6
180°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4



TEST NUMBER: P332036-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1159.6	1159.6	1168.5	1174.1	1181.2	1185.9	1189.1	1192.4	1198.1	1205.6	1214.0
5°	1093.3	1095.6	1108.5	1121.5	1133.8	1144.3	1153.1	1163.6	1176.5	1192.3	1209.9
7.5°	1029.1	1038.1	1051.1	1066.8	1084.0	1099.4	1115.0	1132.3	1150.5	1173.8	1198.4
10°	987.8	997.8	1013.6	1033.5	1051.7	1069.9	1089.2	1107.9	1130.8	1158.3	1190.0
12.5°	951.7	961.2	977.5	999.3	1016.6	1036.6	1058.7	1083.1	1108.8	1141.9	1177.8
15°	901.7	912.8	932.7	943.3	969.7	993.7	1014.2	1049.4	1082.2	1116.1	1157.8
17.5°	860.7	866.9	883.0	902.7	922.3	949.3	976.1	1005.4	1038.1	1079.7	1131.7
20°	832.6	837.8	855.4	875.9	897.0	921.6	945.6	974.9	1011.8	1055.8	1112.1
22.5°	811.5	817.2	828.7	850.6	870.3	890.7	914.7	949.6	988.9	1031.9	1092.9
25°	781.0	784.5	792.1	809.7	827.3	850.2	871.2	904.0	944.5	994.9	1055.8
27.5°	752.1	755.4	761.8	774.5	790.8	809.3	832.3	860.2	901.2	956.0	1020.6
30°	734.7	735.3	741.1	752.9	767.0	782.2	803.3	834.9	873.6	929.3	997.2
32.5°	719.7	717.5	721.5	730.4	744.0	759.2	776.5	807.7	845.0	899.7	969.6
35°	694.3	693.1	691.4	699.0	710.7	722.4	737.6	761.1	803.3	854.3	927.5
37.5°	668.4	665.6	662.5	665.9	675.1	687.3	700.5	721.3	757.7	813.8	883.9
40°	649.2	646.9	645.1	643.9	652.1	663.8	673.8	693.7	727.7	781.0	850.2
42.5°	628.1	626.7	624.5	622.8	629.6	638.5	648.9	666.5	700.5	750.5	816.0
45°	594.1	593.0	591.8	590.6	594.7	602.9	611.1	624.0	653.2	701.9	761.1
47.5°	556.3	554.7	555.2	553.4	557.3	562.8	568.5	582.4	610.5	649.8	693.0
50°	529.1	528.5	528.5	528.5	529.7	536.1	541.4	551.9	577.7	617.0	648.0
52.5°	503.3	500.8	500.8	501.8	503.9	508.0	511.3	522.9	545.4	577.6	605.8
55°	462.9	458.1	457.0	458.1	459.9	463.5	467.0	476.3	495.7	519.7	536.1
57.5°	418.1	415.5	414.0	414.2	415.2	418.0	420.7	430.8	446.1	458.7	469.2
60°	386.7	387.9	382.6	383.7	383.7	386.1	390.2	396.7	409.6	418.4	428.9
62.5°	357.1	355.5	354.0	352.3	352.3	353.3	358.8	363.9	374.9	379.4	387.6
65°	311.1	311.1	307.6	308.8	309.4	305.2	308.2	314.0	321.1	322.9	330.5
67.5°	264.5	262.9	260.9	259.1	259.1	258.7	260.3	263.2	268.5	269.1	274.9
70°	232.6	231.4	230.8	229.1	226.8	229.7	227.9	230.8	233.8	234.4	237.9
72.5°	201.6	200.5	199.4	197.7	196.7	196.4	196.5	199.9	201.9	201.0	205.1
75°	157.6	156.4	155.2	152.3	152.3	150.6	151.2	153.5	155.8	154.1	157.6
77.5°	115.8	112.1	111.9	112.7	110.7	111.1	110.4	110.0	111.1	111.2	114.3
80°	89.0	85.0	86.1	85.6	85.0	84.4	83.2	83.8	84.4	85.0	86.7
82.5°	64.2	63.9	62.7	62.6	62.0	60.4	59.8	60.8	61.4	61.0	62.3
85°	32.8	31.1	32.2	31.6	32.2	31.6	29.9	29.9	31.1	30.5	31.6
87.5°	14.8	14.6	13.6	13.5	12.5	12.3	11.4	11.4	11.4	10.9	11.5
90°	24.9	24.0	21.1	18.3	15.3	12.5	9.9	7.7	5.4	3.2	1.0
92.5°	27.0	25.6	23.4	21.3	19.1	16.9	16.1	16.7	17.4	18.0	18.6
95°	32.5	31.0	28.6	26.1	23.7	21.3	24.5	33.7	42.8	51.9	61.0
97.5°	34.0	32.2	48.2	64.2	80.2	96.3	106.2	110.4	114.4	118.6	122.6
100°	34.8	33.0	67.7	102.4	137.1	171.7	186.8	182.4	178.0	173.5	169.0
102.5°	60.3	65.8	103.7	141.5	179.4	217.3	234.7	231.4	228.3	225.1	221.9
105°	179.7	219.0	239.1	259.1	279.1	299.1	307.9	305.4	303.0	300.6	298.1
107.5°	372.6	401.6	398.4	395.2	392.1	388.9	386.3	384.4	382.5	380.5	378.5
110°	443.8	451.2	448.7	446.3	443.8	441.3	439.3	437.5	435.7	433.9	432.1



TEST NUMBER: P332036-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	501.7	501.5	499.1	496.7	494.2	491.8	489.7	488.2	486.6	484.9	483.4
115°	576.4	574.2	572.2	570.2	568.2	566.2	564.5	563.2	561.8	560.5	559.2
117.5°	646.4	644.6	643.6	642.6	641.5	640.5	639.2	637.6	635.8	634.2	632.6
120°	692.0	690.2	689.6	688.9	688.2	687.6	686.2	684.2	682.3	680.2	678.2
122.5°	737.1	735.8	734.9	734.2	733.3	732.5	731.2	729.5	727.9	726.3	724.6
125°	800.7	800.2	799.4	798.5	797.5	796.7	795.4	793.6	791.8	790.1	788.2
127.5°	863.4	862.6	861.6	860.6	859.5	858.4	857.0	855.2	853.4	851.6	849.9
130°	901.2	900.3	899.4	898.5	897.6	896.7	895.4	893.6	891.8	890.1	888.3
132.5°	937.2	936.3	935.6	934.9	934.2	933.4	932.2	930.4	928.7	926.9	925.1
135°	992.0	991.4	990.4	989.5	988.7	987.7	986.6	985.3	984.0	982.7	981.3
137.5°	1040.2	1039.1	1038.6	1038.2	1037.7	1037.2	1036.1	1034.4	1032.7	1031.0	1029.3
140°	1071.3	1070.3	1069.7	1069.0	1068.3	1067.6	1066.7	1065.3	1064.0	1062.6	1061.4
142.5°	1100.7	1099.9	1099.3	1098.6	1097.9	1097.3	1096.3	1094.9	1093.6	1092.3	1091.0
145°	1141.8	1141.3	1140.9	1140.5	1140.1	1139.6	1138.6	1137.0	1135.5	1133.9	1132.4
147.5°	1178.5	1177.9	1177.5	1177.1	1176.6	1176.2	1175.4	1174.4	1173.5	1172.4	1171.4
150°	1200.8	1200.4	1200.0	1199.5	1199.0	1198.6	1198.1	1197.4	1196.7	1196.0	1195.4
152.5°	1220.4	1219.6	1219.3	1219.1	1218.7	1218.5	1218.2	1217.9	1217.6	1217.3	1217.0
155°	1247.5	1246.4	1246.2	1246.0	1245.7	1245.5	1245.6	1246.0	1246.5	1247.0	1247.4
157.5°	1271.2	1269.8	1270.1	1270.2	1270.5	1270.7	1270.8	1270.8	1270.9	1270.9	1271.0
160°	1284.8	1283.4	1283.7	1283.8	1284.1	1284.3	1284.5	1284.8	1285.0	1285.2	1285.4
162.5°	1296.9	1295.4	1295.6	1295.9	1296.1	1296.3	1296.7	1297.3	1297.9	1298.5	1299.0
165°	1313.2	1311.4	1311.6	1311.8	1312.1	1312.3	1312.8	1313.5	1314.1	1314.7	1315.4
167.5°	1326.0	1324.2	1324.2	1324.2	1324.2	1324.2	1324.6	1325.6	1326.5	1327.3	1328.3
170°	1333.2	1331.5	1331.5	1331.5	1331.5	1331.5	1331.9	1332.7	1333.7	1334.6	1335.4
172.5°	1338.0	1336.2	1336.0	1335.8	1335.7	1335.5	1335.9	1337.0	1338.1	1339.2	1340.2
175°	1344.0	1342.4	1342.2	1342.0	1341.8	1341.5	1342.0	1343.1	1344.2	1345.3	1346.4
177.5°	1346.3	1344.8	1344.6	1344.5	1344.3	1344.1	1344.5	1345.4	1346.3	1347.1	1348.1
180°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1216.8	1219.2	1227.1	1232.8	1239.3	1243.0	1246.8	1249.7	1253.4	1254.3	1267.9
5°	1222.2	1233.9	1254.4	1269.6	1288.4	1308.9	1322.9	1329.4	1346.4	1360.5	1388.6
7.5°	1220.6	1245.6	1276.6	1308.6	1343.2	1375.0	1402.7	1435.5	1458.8	1493.8	1528.4
10°	1219.3	1252.7	1292.5	1333.5	1381.6	1426.1	1465.9	1510.5	1547.4	1596.0	1637.6
12.5°	1215.0	1255.5	1310.8	1359.3	1417.6	1479.0	1538.1	1595.3	1628.0	1709.0	1747.3
15°	1204.6	1252.7	1321.8	1395.6	1475.9	1548.5	1623.5	1683.3	1779.9	1850.9	1896.0
17.5°	1184.7	1252.0	1333.9	1423.1	1520.6	1616.4	1701.3	1792.1	1894.5	1980.4	2071.7
20°	1175.4	1249.1	1340.6	1439.0	1540.3	1648.7	1745.4	1854.4	1966.3	2050.6	2167.8
22.5°	1158.0	1241.6	1340.1	1449.8	1558.2	1670.3	1783.4	1893.3	2022.6	2138.8	2250.3
25°	1129.6	1223.4	1325.3	1447.8	1574.9	1687.4	1822.7	1968.7	2103.4	2252.8	2364.1
27.5°	1099.8	1199.9	1302.1	1416.0	1552.7	1686.3	1856.5	2021.4	2186.1	2315.1	2397.5
30°	1076.9	1174.1	1279.6	1394.5	1529.8	1688.6	1879.0	2058.8	2219.4	2330.1	2376.4
32.5°	1052.1	1150.7	1244.0	1364.4	1508.7	1687.1	1893.1	2080.9	2221.3	2295.0	2286.0
35°	1013.1	1095.6	1186.5	1302.4	1472.4	1676.9	1901.3	2082.8	2169.0	2153.2	2033.7
37.5°	956.7	1026.2	1115.7	1242.7	1430.2	1655.2	1884.8	2021.1	2015.5	1886.7	1713.6
40°	921.6	980.8	1067.0	1200.5	1397.4	1641.2	1859.1	1947.6	1872.6	1692.6	1485.2
42.5°	875.7	930.1	1016.3	1153.7	1361.3	1612.5	1809.8	1835.5	1688.8	1481.8	1291.7
45°	804.4	852.5	941.5	1083.3	1307.2	1550.3	1689.7	1627.0	1429.6	1215.7	1071.0
47.5°	727.9	777.8	863.5	1009.2	1228.9	1456.6	1523.1	1389.7	1187.1	1013.6	880.7
50°	679.7	727.7	811.5	958.6	1175.9	1379.8	1407.3	1235.1	1048.8	896.5	787.5
52.5°	630.9	676.1	758.5	906.0	1114.0	1290.7	1273.8	1098.2	926.9	797.0	711.5
55°	558.4	601.2	679.7	817.9	1007.2	1147.2	1085.7	918.1	776.4	675.5	610.5
57.5°	493.4	534.4	602.2	727.1	891.7	987.8	909.6	768.4	655.7	578.1	529.5
60°	449.4	485.7	550.2	666.2	809.2	882.4	805.0	680.3	585.3	523.2	479.8
62.5°	407.7	439.3	499.0	604.3	728.5	790.1	711.8	606.1	525.3	470.3	433.4
65°	344.5	373.2	425.9	508.0	609.9	650.9	583.6	498.0	435.3	394.3	369.7
67.5°	286.9	311.3	356.8	421.4	496.4	526.2	474.9	408.7	361.5	328.6	309.0
70°	248.4	269.5	305.2	360.9	428.9	451.8	403.7	349.2	314.6	288.3	270.1
72.5°	216.1	231.5	264.0	307.0	363.7	381.9	348.4	300.5	268.2	248.4	234.0
75°	164.6	177.5	198.6	233.2	272.4	283.0	257.8	227.9	206.2	192.2	181.1
77.5°	118.7	128.2	143.4	164.8	191.9	201.5	185.5	165.6	149.7	140.3	134.1
80°	89.6	97.3	110.1	127.7	144.1	149.4	140.0	124.8	113.7	108.4	103.1
82.5°	66.2	70.5	78.3	90.2	101.5	107.7	99.7	90.6	84.6	79.8	77.8
85°	33.4	35.7	39.3	43.9	51.0	53.3	50.4	48.0	44.5	41.6	41.6
87.5°	12.8	13.3	15.2	16.5	18.9	20.8	21.0	20.7	20.8	20.4	20.1
90°	3.2	5.4	7.7	9.9	12.5	15.3	18.3	21.1	24.0	24.9	25.7
92.5°	18.0	17.4	16.7	16.1	16.9	19.1	21.3	23.4	25.6	27.0	28.4
95°	51.9	42.8	33.7	24.5	21.3	23.7	26.1	28.6	31.0	32.5	34.1
97.5°	118.6	114.4	110.4	106.2	96.3	80.2	64.2	48.2	32.2	34.0	35.7
100°	173.5	178.0	182.4	186.8	171.7	137.1	102.4	67.7	33.0	34.8	36.6
102.5°	225.1	228.3	231.4	234.7	217.3	179.4	141.5	103.7	65.8	60.3	54.8
105°	300.6	303.0	305.4	307.9	299.1	279.1	259.1	239.1	219.0	179.7	140.3
107.5°	380.5	382.5	384.4	386.3	388.9	392.1	395.2	398.4	401.6	372.6	343.8
110°	433.9	435.7	437.5	439.3	441.3	443.8	446.3	448.7	451.2	443.8	436.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	484.9	486.6	488.2	489.7	491.8	494.2	496.7	499.1	501.5	501.7	501.8
115°	560.5	561.8	563.2	564.5	566.2	568.2	570.2	572.2	574.2	576.4	578.6
117.5°	634.2	635.8	637.6	639.2	640.5	641.5	642.6	643.6	644.6	646.4	648.2
120°	680.2	682.3	684.2	686.2	687.6	688.2	688.9	689.6	690.2	692.0	693.8
122.5°	726.3	727.9	729.5	731.2	732.5	733.3	734.2	734.9	735.8	737.1	738.3
125°	790.1	791.8	793.6	795.4	796.7	797.5	798.5	799.4	800.2	800.7	801.2
127.5°	851.6	853.4	855.2	857.0	858.4	859.5	860.6	861.6	862.6	863.4	864.1
130°	890.1	891.8	893.6	895.4	896.7	897.6	898.5	899.4	900.3	901.2	902.1
132.5°	926.9	928.7	930.4	932.2	933.4	934.2	934.9	935.6	936.3	937.2	938.1
135°	982.7	984.0	985.3	986.6	987.7	988.7	989.5	990.4	991.4	992.0	992.6
137.5°	1031.0	1032.7	1034.4	1036.1	1037.2	1037.7	1038.2	1038.6	1039.1	1040.2	1041.3
140°	1062.6	1064.0	1065.3	1066.7	1067.6	1068.3	1069.0	1069.7	1070.3	1071.3	1072.1
142.5°	1092.3	1093.6	1094.9	1096.3	1097.3	1097.9	1098.6	1099.3	1099.9	1100.7	1101.4
145°	1133.9	1135.5	1137.0	1138.6	1139.6	1140.1	1140.5	1140.9	1141.3	1141.8	1142.3
147.5°	1172.4	1173.5	1174.4	1175.4	1176.2	1176.6	1177.1	1177.5	1177.9	1178.5	1178.9
150°	1196.0	1196.7	1197.4	1198.1	1198.6	1199.0	1199.5	1200.0	1200.4	1200.8	1201.3
152.5°	1217.3	1217.6	1217.9	1218.2	1218.5	1218.7	1219.1	1219.3	1219.6	1220.4	1221.2
155°	1247.0	1246.5	1246.0	1245.6	1245.5	1245.7	1246.0	1246.2	1246.4	1247.5	1248.6
157.5°	1270.9	1270.9	1270.8	1270.8	1270.7	1270.5	1270.2	1270.1	1269.8	1271.2	1272.5
160°	1285.2	1285.0	1284.8	1284.5	1284.3	1284.1	1283.8	1283.7	1283.4	1284.8	1286.1
162.5°	1298.5	1297.9	1297.3	1296.7	1296.3	1296.1	1295.9	1295.6	1295.4	1296.9	1298.5
165°	1314.7	1314.1	1313.5	1312.8	1312.3	1312.1	1311.8	1311.6	1311.4	1313.2	1315.0
167.5°	1327.3	1326.5	1325.6	1324.6	1324.2	1324.2	1324.2	1324.2	1324.2	1326.0	1327.7
170°	1334.6	1333.7	1332.7	1331.9	1331.5	1331.5	1331.5	1331.5	1331.5	1333.2	1335.0
172.5°	1339.2	1338.1	1337.0	1335.9	1335.5	1335.7	1335.8	1336.0	1336.2	1338.0	1339.8
175°	1345.3	1344.2	1343.1	1342.0	1341.5	1341.8	1342.0	1342.2	1342.4	1344.0	1345.6
177.5°	1347.1	1346.3	1345.4	1344.5	1344.1	1344.3	1344.5	1344.6	1344.8	1346.3	1347.6
180°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1272.6	1273.1	1278.2	1281.9	1280.0	1282.5	1283.3
5°	1390.3	1411.4	1422.5	1430.8	1431.3	1431.9	1436.7
7.5°	1557.3	1579.9	1596.5	1621.5	1629.0	1637.6	1635.1
10°	1679.2	1712.6	1741.3	1756.5	1773.0	1797.0	1777.6
12.5°	1793.1	1852.3	1896.0	1919.7	1935.1	1939.9	1930.4
15°	1980.9	2058.3	2099.9	2098.7	2151.5	2174.3	2138.6
17.5°	2153.2	2224.6	2281.7	2311.0	2355.0	2364.7	2360.3
20°	2258.7	2336.6	2381.1	2431.5	2454.4	2474.9	2478.4
22.5°	2349.6	2419.6	2467.4	2509.3	2528.4	2538.1	2544.0
25°	2443.2	2498.3	2527.0	2541.7	2546.9	2545.7	2538.1
27.5°	2436.8	2441.0	2409.3	2378.3	2350.5	2319.3	2308.4
30°	2373.5	2324.3	2236.4	2186.6	2113.3	2055.4	2078.8
32.5°	2207.1	2109.1	2010.4	1901.6	1811.5	1785.8	1760.1
35°	1883.7	1711.4	1610.7	1493.5	1446.6	1399.7	1367.5
37.5°	1524.0	1390.7	1271.2	1194.6	1147.5	1117.9	1102.0
40°	1317.7	1197.6	1099.2	1037.1	1001.3	967.9	963.2
42.5°	1153.1	1041.5	967.4	918.0	883.6	869.4	859.2
45°	944.5	866.5	816.7	781.6	758.7	749.9	738.2
47.5°	799.4	744.3	707.0	683.0	665.8	659.3	658.3
50°	718.3	672.6	645.1	626.3	612.9	610.5	601.2
52.5°	657.4	617.8	596.3	580.0	570.2	563.6	560.9
55°	570.7	544.3	525.0	515.6	508.0	501.5	501.5
57.5°	499.3	477.3	464.5	456.5	454.2	449.6	446.7
60°	455.2	436.5	426.5	419.5	414.8	415.4	410.1
62.5°	412.2	399.9	390.5	383.4	377.8	377.9	378.2
65°	350.9	341.6	334.6	332.2	328.7	324.6	325.8
67.5°	297.4	288.6	283.1	279.1	277.9	275.7	279.1
70°	259.0	252.5	248.4	244.9	243.7	244.4	247.3
72.5°	223.8	219.2	216.5	214.9	212.3	212.4	214.5
75°	175.7	172.3	169.9	168.2	167.6	167.6	167.6
77.5°	129.2	128.3	127.3	124.7	124.8	125.5	125.6
80°	101.9	100.2	99.6	98.4	96.7	95.5	98.4
82.5°	76.2	74.4	73.8	73.6	70.9	70.7	73.1
85°	41.0	39.3	39.9	39.3	39.3	38.7	38.7
87.5°	19.9	19.5	19.2	19.8	19.5	19.0	20.1
90°	26.7	27.6	28.2	28.7	29.1	29.5	30.0
92.5°	29.9	31.3	32.1	32.4	32.7	33.0	33.2
95°	35.6	37.2	38.0	38.0	38.0	38.0	38.0
97.5°	37.5	39.3	40.3	40.6	40.8	41.0	41.2
100°	38.3	40.1	41.2	41.3	41.6	41.8	42.0
102.5°	49.2	43.7	41.2	41.6	42.0	42.4	42.8
105°	101.0	61.6	42.3	42.7	43.1	43.6	44.0
107.5°	315.0	286.1	256.8	227.2	197.5	167.9	138.3
110°	429.1	421.8	402.3	370.5	338.6	306.9	275.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	502.0	502.1	498.8	492.1	485.3	478.6	471.9
115°	580.8	583.1	584.6	585.5	586.4	587.3	588.1
117.5°	650.0	651.7	652.7	652.9	653.1	653.2	653.4
120°	695.5	697.3	698.2	698.2	698.2	698.2	698.2
122.5°	739.6	740.8	741.5	741.7	741.8	742.1	742.3
125°	801.6	802.0	802.5	802.9	803.4	803.8	804.3
127.5°	864.8	865.5	865.6	865.2	864.8	864.4	863.8
130°	902.9	903.9	904.0	903.6	903.2	902.8	902.3
132.5°	939.0	939.9	940.0	939.4	938.7	938.1	937.5
135°	993.3	994.0	994.0	993.3	992.6	992.0	991.4
137.5°	1042.3	1043.4	1043.7	1043.3	1042.8	1042.4	1041.9
140°	1073.0	1073.9	1074.1	1073.7	1073.2	1072.8	1072.4
142.5°	1102.1	1102.8	1102.9	1102.3	1101.6	1101.0	1100.4
145°	1142.7	1143.1	1143.3	1143.3	1143.3	1143.3	1143.3
147.5°	1179.3	1179.7	1179.5	1178.5	1177.4	1176.4	1175.4
150°	1201.7	1202.1	1202.0	1201.4	1200.8	1200.1	1199.4
152.5°	1222.0	1222.8	1222.7	1221.7	1220.6	1219.6	1218.6
155°	1249.7	1250.9	1250.7	1249.4	1248.1	1246.7	1245.4
157.5°	1273.8	1275.1	1275.0	1273.2	1271.4	1269.7	1268.0
160°	1287.4	1288.7	1288.7	1287.1	1285.6	1283.9	1282.4
162.5°	1299.9	1301.5	1301.5	1300.1	1298.7	1297.4	1296.0
165°	1316.7	1318.5	1318.6	1317.1	1315.5	1314.0	1312.4
167.5°	1329.6	1331.4	1331.4	1329.6	1327.7	1326.0	1324.2
170°	1336.8	1338.5	1338.5	1336.8	1335.0	1333.2	1331.5
172.5°	1341.5	1343.3	1343.2	1341.3	1339.4	1337.4	1335.4
175°	1347.1	1348.7	1348.5	1346.8	1345.0	1343.2	1341.4
177.5°	1349.1	1350.5	1350.3	1348.6	1346.8	1345.0	1343.2
180°	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4	1346.4

(END OF REPORT)