

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: P333287-935

Luminaire Tested: **S125DIP-S1090D1205U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333287-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D1205U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7453.9 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

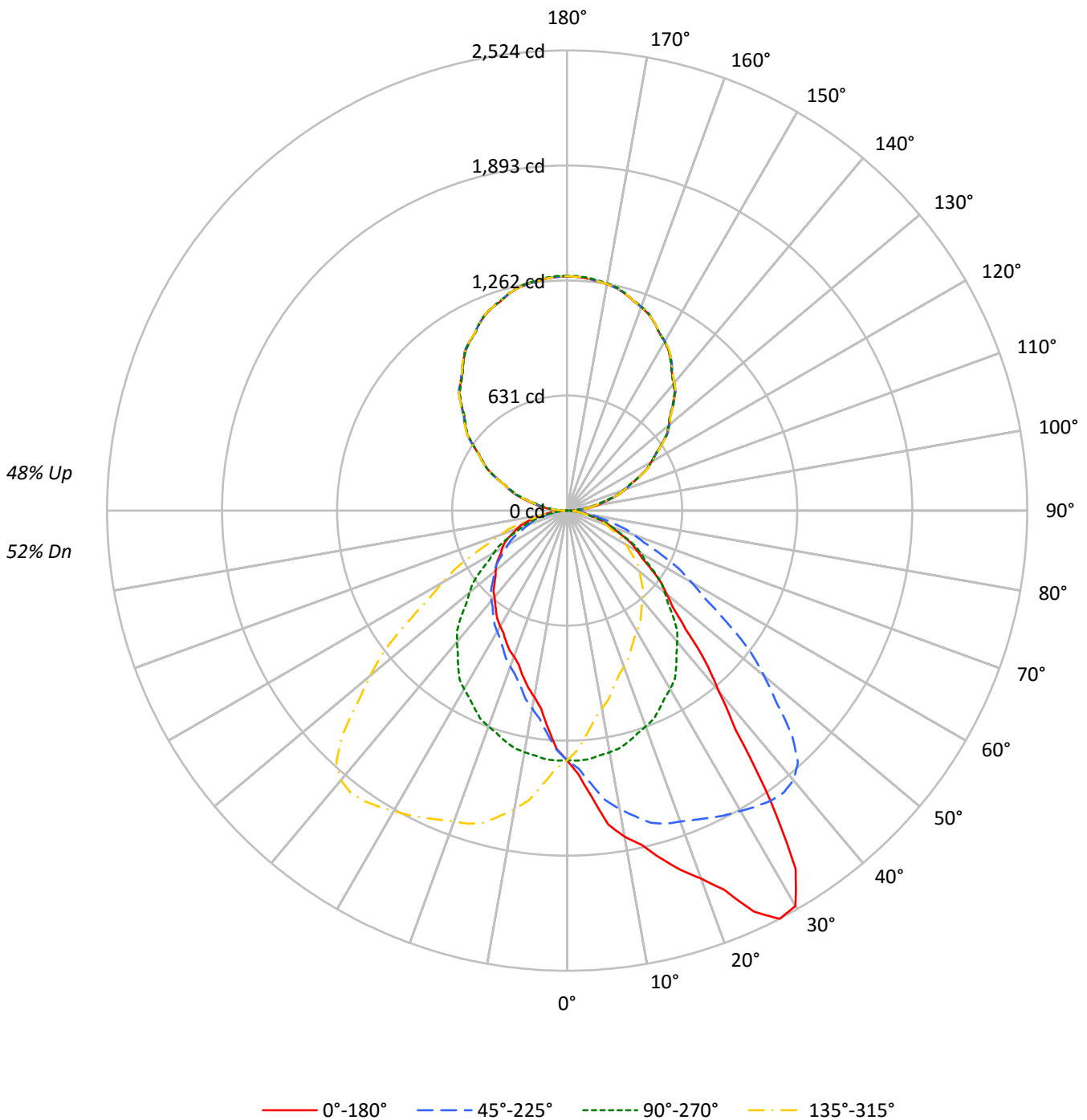
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	108	108	108	108	99	99	99	99	84	84	84	71	71	71	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	76	71	83	77	71	67	65	61	58	55	52	50	46	44	42	37
3	82	73	65	60	76	68	61	56	58	53	49	49	45	42	41	38	36	32
4	75	64	57	51	69	60	53	48	51	46	42	44	40	36	36	33	31	27
5	69	57	49	43	64	54	46	41	46	41	36	39	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21
7	59	47	39	33	54	44	36	31	38	32	28	32	28	25	27	24	21	19
8	55	42	35	29	50	40	33	28	34	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	29	25	32	26	22	27	23	20	23	20	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8843	8843	8843	8843
5°	10240	8873	7769	8873
10°	11913	8826	6807	8826
15°	13188	8762	6279	8762
20°	14762	8659	5856	8659
25°	17293	8543	5648	8543
30°	18678	8429	5469	8429
35°	15358	8215	5351	8215
40°	10916	7917	5223	7917
45°	8386	7516	5149	7516
50°	7159	7018	5138	7018
55°	6373	6531	5183	6531
60°	5749	5997	5315	5997
65°	5310	5462	5453	5462
70°	4828	4906	5531	4906
75°	4262	4319	5480	4319
80°	3585	3522	5013	3522
85°	2838	2542	4046	2542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	1.8
10°-20°	392.4	5.3
20°-30°	637.2	8.5
30°-40°	777.3	10.4
40°-50°	707.1	9.5
50°-60°	563.2	7.6
60°-70°	392.3	5.3
70°-80°	209.2	2.8
80°-90°	55.6	0.7
90°-100°	86.1	1.2
100°-110°	254.3	3.4
110°-120°	430.7	5.8
120°-130°	566.8	7.6
130°-140°	635.1	8.5
140°-150°	622.5	8.4
150°-160°	522.8	7.0
160°-170°	347.5	4.7
170°-180°	121.6	1.6
0°-30°	1161.5	15.6
0°-40°	1938.8	26.0
0°-60°	3209.2	43.1
0°-90°	3866.3	51.9
90°-120°	771.1	10.3
90°-150°	2595.6	34.8
90°-180°	3588.0	48.1
0°-180°	7453.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1369	1369	1369	1369	1369	
5°	1580	1369	1198	1369	1580	159
15°	1972	1310	939	1310	1972	565
25°	2427	1199	793	1199	2427	1108
35°	1948	1042	679	1042	1948	1192
45°	918	823	564	823	918	735
55°	566	580	460	580	566	510
65°	348	357	357	357	348	345
75°	171	173	220	173	171	184
85°	38	34	55	34	38	45
90°	24	1	24	1	24	15
95°	86	65	86	65	86	88
105°	248	228	248	228	248	263
115°	435	431	435	431	435	430
125°	633	629	633	629	633	565
135°	821	818	821	818	821	634
145°	996	992	996	992	996	621
155°	1135	1135	1135	1135	1135	522
165°	1231	1234	1231	1234	1231	347
175°	1278	1283	1278	1283	1278	121
180°	1286	1286	1286	1286	1286	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1448.2	1446.3	1444.5	1440.7	1443.6	1435.6	1431.9	1425.4	1417.5	1414.7	1411.4
5°	1579.5	1582.4	1585.4	1573.1	1574.3	1566.2	1547.6	1532.4	1520.3	1504.5	1493.5
7.5°	1737.6	1730.7	1730.2	1722.3	1708.7	1697.7	1678.2	1653.3	1629.3	1601.8	1579.2
10°	1816.6	1817.2	1812.0	1802.7	1788.1	1777.7	1752.1	1727.7	1698.1	1663.2	1638.2
12.5°	1876.1	1878.5	1872.0	1859.4	1852.3	1828.9	1808.9	1779.8	1744.6	1716.7	1678.7
15°	1972.4	1966.0	1961.4	1945.6	1933.5	1909.0	1877.1	1846.8	1808.4	1773.1	1737.6
17.5°	2065.1	2070.2	2061.5	2047.2	2009.3	1980.8	1937.9	1896.6	1848.8	1801.3	1758.9
20°	2147.9	2152.5	2139.2	2114.2	2068.8	2040.4	1984.0	1930.5	1875.3	1814.3	1767.8
22.5°	2251.1	2247.4	2229.3	2191.3	2152.1	2099.4	2038.4	1973.3	1904.1	1835.2	1773.4
25°	2426.8	2402.4	2391.3	2344.3	2292.6	2215.3	2131.6	2036.3	1950.3	1859.1	1780.0
27.5°	2524.2	2516.5	2504.2	2471.4	2417.1	2334.4	2235.8	2119.6	1998.3	1883.1	1779.7
30°	2504.6	2505.9	2507.0	2496.6	2461.7	2399.5	2301.3	2176.3	2032.2	1902.6	1782.9
32.5°	2331.8	2352.9	2373.1	2397.0	2406.8	2394.9	2333.4	2220.5	2072.2	1924.9	1781.1
35°	1947.9	1954.4	2020.0	2085.1	2173.4	2242.0	2287.9	2237.9	2113.0	1943.9	1778.8
37.5°	1518.9	1550.2	1595.7	1669.2	1796.7	1910.9	2057.7	2125.2	2084.9	1950.1	1774.8
40°	1294.8	1323.8	1353.5	1428.4	1535.9	1674.2	1841.0	1983.4	2016.5	1930.5	1760.8
42.5°	1121.8	1144.9	1177.8	1234.1	1324.0	1446.5	1605.8	1791.8	1906.3	1873.8	1731.6
45°	918.2	932.7	958.3	1003.1	1068.2	1164.0	1304.7	1508.0	1685.3	1744.0	1662.1
47.5°	785.9	785.8	805.7	836.6	883.6	965.0	1069.0	1228.4	1417.7	1557.8	1551.3
50°	712.5	709.6	725.2	752.0	789.2	843.3	942.6	1069.9	1251.7	1410.4	1454.6
52.5°	649.3	649.6	659.3	679.0	710.2	756.3	830.5	945.3	1100.7	1263.5	1346.7
55°	566.0	563.7	574.7	588.1	610.8	641.0	694.5	782.2	908.3	1068.7	1176.8
57.5°	489.7	496.2	500.6	509.9	528.7	549.0	594.0	658.4	758.5	896.1	1010.4
60°	445.1	451.5	455.0	464.3	479.4	496.9	531.8	584.0	668.3	786.9	900.2
62.5°	405.2	410.2	411.3	419.7	432.0	449.0	476.4	520.4	586.9	690.6	801.6
65°	347.5	347.5	349.8	358.5	364.4	379.4	400.4	432.4	485.9	566.6	661.3
67.5°	292.0	294.7	294.2	298.0	303.3	315.1	330.1	356.5	396.1	455.0	530.8
70°	255.7	258.0	257.4	260.4	266.1	273.7	285.9	310.9	339.4	389.9	455.0
72.5°	223.2	224.1	222.6	226.4	229.9	236.5	250.1	263.5	290.1	332.8	386.2
75°	170.8	172.0	173.1	175.5	179.0	182.4	189.4	202.9	220.2	252.2	286.5
77.5°	128.1	125.9	128.6	128.3	130.3	132.9	139.1	146.2	160.5	180.7	207.2
80°	96.4	97.0	97.0	97.6	100.6	102.3	107.5	112.7	123.8	138.9	157.5
82.5°	70.4	72.0	71.0	72.1	74.5	75.8	78.7	83.0	89.4	101.3	114.7
85°	38.3	35.5	36.6	37.8	37.8	38.3	40.6	42.4	45.9	50.5	55.8
87.5°	15.9	16.8	17.0	17.0	17.3	17.1	18.8	18.5	19.7	20.8	22.4
90°	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3	17.1	16.0	14.5
92.5°	47.2	46.8	46.2	45.7	45.3	44.3	42.8	41.3	39.9	38.4	36.5
95°	86.0	85.6	85.2	84.7	84.3	83.3	81.7	80.2	78.6	77.1	74.8
97.5°	130.4	130.2	129.9	129.7	129.4	128.5	127.1	125.6	124.2	122.7	119.6
100°	164.1	163.7	163.2	162.7	162.3	161.1	159.1	157.0	155.1	153.1	150.2
102.5°	197.7	197.1	196.5	195.9	195.2	193.8	191.7	189.4	187.3	185.1	183.7
105°	248.1	247.5	246.8	246.2	245.5	244.4	243.1	241.8	240.5	239.1	237.8
107.5°	299.7	299.8	299.9	299.9	300.0	299.6	298.9	298.3	297.6	297.0	295.9
110°	338.2	338.4	338.6	338.8	339.1	338.8	338.2	337.5	336.8	336.1	335.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.8	376.2	376.6	377.0	377.4	377.5	377.1	376.9	376.5	376.2	375.3
115°	435.2	435.4	435.7	435.9	436.1	436.4	436.5	436.8	437.0	437.2	436.8
117.5°	493.3	494.1	495.1	495.9	496.8	497.1	497.0	496.8	496.6	496.5	496.0
120°	533.3	534.2	535.0	536.0	536.8	537.3	537.3	537.3	537.3	537.3	537.1
122.5°	573.3	574.0	574.7	575.4	576.2	576.6	576.8	577.0	577.1	577.3	576.7
125°	633.4	633.5	633.8	634.0	634.2	634.6	635.0	635.4	635.8	636.4	636.1
127.5°	691.0	691.4	691.8	692.3	692.8	693.1	693.3	693.5	693.7	694.0	693.7
130°	729.4	729.8	730.3	730.7	731.2	731.5	731.7	731.9	732.2	732.4	731.9
132.5°	765.4	766.0	766.6	767.2	767.9	768.3	768.5	768.8	769.0	769.2	769.3
135°	821.4	822.3	823.2	824.1	825.0	825.4	825.4	825.4	825.4	825.4	825.2
137.5°	876.2	877.4	878.5	879.6	880.7	881.1	880.9	880.6	880.3	880.0	879.6
140°	911.5	912.6	913.7	914.8	915.9	916.3	915.8	915.3	914.9	914.5	913.8
142.5°	945.1	946.2	947.4	948.4	949.5	949.9	949.7	949.4	949.2	948.9	948.0
145°	995.5	996.2	996.9	997.6	998.2	998.5	998.5	998.5	998.5	998.5	997.8
147.5°	1038.5	1040.1	1041.6	1043.1	1044.6	1045.1	1044.6	1044.0	1043.4	1042.9	1042.4
150°	1070.6	1071.0	1071.4	1071.9	1072.4	1072.5	1072.5	1072.5	1072.5	1072.5	1071.7
152.5°	1097.0	1097.8	1098.5	1099.4	1100.2	1100.3	1099.8	1099.2	1098.7	1098.2	1097.9
155°	1134.6	1135.7	1136.8	1137.9	1139.0	1139.2	1138.2	1137.4	1136.5	1135.6	1135.4
157.5°	1166.1	1167.5	1169.0	1170.4	1171.9	1172.2	1171.3	1170.4	1169.5	1168.6	1168.4
160°	1187.7	1188.7	1189.8	1190.9	1192.1	1192.1	1191.3	1190.4	1189.5	1188.6	1188.4
162.5°	1206.0	1207.3	1208.6	1209.9	1211.2	1211.3	1210.2	1209.2	1208.1	1207.0	1206.9
165°	1230.6	1232.0	1233.3	1234.7	1236.0	1236.2	1235.3	1234.4	1233.6	1232.6	1232.4
167.5°	1250.3	1251.6	1253.0	1254.4	1255.8	1255.8	1254.5	1253.1	1251.8	1250.4	1250.4
170°	1260.7	1262.2	1263.8	1265.3	1266.9	1267.0	1265.7	1264.3	1263.0	1261.6	1261.6
172.5°	1269.5	1270.8	1272.2	1273.6	1275.0	1275.0	1273.7	1272.3	1271.0	1269.6	1269.6
175°	1277.6	1279.2	1280.8	1282.4	1283.9	1284.0	1282.6	1281.3	1280.0	1278.7	1278.7
177.5°	1282.5	1283.8	1285.0	1286.2	1287.5	1287.5	1286.5	1285.4	1284.4	1283.2	1283.4
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1408.7	1405.4	1401.7	1395.2	1387.2	1383.1	1376.6	1372.4	1364.0	1357.0	1349.6
5°	1480.1	1465.1	1451.1	1433.0	1413.3	1400.5	1385.4	1368.6	1351.2	1333.1	1313.4
7.5°	1554.2	1527.4	1498.4	1467.1	1436.6	1408.4	1381.6	1355.2	1330.6	1300.8	1275.6
10°	1604.0	1570.2	1534.2	1491.8	1450.5	1414.5	1377.9	1345.9	1313.4	1278.5	1247.7
12.5°	1653.6	1608.8	1557.9	1511.3	1461.6	1418.2	1375.1	1334.3	1293.4	1254.8	1218.8
15°	1688.8	1649.2	1602.1	1535.9	1480.1	1420.3	1363.3	1310.4	1261.0	1218.1	1172.8
17.5°	1711.9	1661.0	1610.4	1546.9	1473.8	1406.8	1342.3	1281.8	1226.1	1171.6	1127.8
20°	1716.1	1663.8	1610.9	1548.7	1473.8	1397.1	1332.6	1259.9	1200.1	1143.7	1090.2
22.5°	1714.7	1655.4	1597.8	1533.9	1460.8	1390.1	1312.1	1238.0	1173.1	1117.7	1061.9
25°	1701.6	1638.2	1566.2	1501.7	1429.6	1354.6	1275.6	1198.9	1132.6	1069.3	1014.1
27.5°	1690.7	1608.4	1526.9	1451.6	1382.1	1313.4	1237.7	1159.2	1085.6	1021.5	969.5
30°	1677.1	1587.1	1495.2	1416.8	1345.3	1278.5	1207.0	1130.3	1053.6	990.8	935.0
32.5°	1665.1	1560.1	1463.2	1377.8	1302.1	1237.1	1171.2	1098.2	1022.9	959.2	903.4
35°	1641.7	1520.3	1409.3	1312.8	1232.0	1165.2	1110.0	1042.0	972.8	911.2	857.7
37.5°	1612.1	1467.9	1348.8	1247.7	1159.2	1088.7	1037.3	985.2	918.8	859.4	811.1
40°	1588.8	1430.7	1304.7	1201.2	1109.4	1036.1	988.5	939.1	883.9	828.7	777.6
42.5°	1559.5	1397.3	1260.0	1148.7	1057.7	986.4	936.4	894.5	845.8	794.3	746.8
45°	1505.7	1336.6	1187.8	1068.2	976.3	905.9	854.3	822.9	786.3	737.4	697.3
47.5°	1426.6	1263.7	1109.8	986.3	891.6	826.4	777.9	747.8	722.0	685.7	649.4
50°	1356.3	1209.4	1053.6	931.0	836.3	770.6	725.8	698.5	676.4	648.5	617.8
52.5°	1277.8	1141.0	998.2	877.0	783.3	718.5	674.7	650.7	632.2	612.3	581.9
55°	1153.0	1036.7	904.2	789.2	702.6	639.2	600.9	580.0	564.9	549.7	531.2
57.5°	1015.5	924.5	807.2	702.0	622.2	564.6	528.8	508.5	496.7	489.0	478.0
60°	918.8	840.9	739.8	643.9	566.0	514.9	480.0	464.3	454.4	448.1	439.9
62.5°	829.1	765.1	671.4	583.9	515.8	467.4	436.4	421.1	411.6	408.5	401.8
65°	696.8	647.4	570.1	497.5	439.4	398.0	372.0	357.4	351.5	348.1	348.7
67.5°	566.5	536.4	474.3	412.3	366.0	331.4	310.5	299.3	296.4	291.7	291.6
70°	487.0	464.3	412.0	358.0	316.7	290.0	271.4	259.8	256.8	254.5	254.0
72.5°	416.8	396.9	351.5	308.2	271.1	247.7	232.3	225.3	220.6	219.2	219.1
75°	313.2	302.2	266.1	231.9	206.3	190.0	179.6	173.1	169.7	169.1	169.7
77.5°	222.7	213.0	190.1	165.8	149.7	137.4	128.5	126.3	122.3	122.5	121.9
80°	167.4	161.0	146.5	127.3	113.9	103.4	98.8	94.7	93.6	91.8	93.6
82.5°	121.3	114.5	104.6	92.4	81.4	75.1	70.4	69.1	68.4	67.7	68.0
85°	59.8	60.4	54.6	45.3	40.6	37.2	34.3	34.3	33.7	33.1	33.7
87.5°	23.1	21.8	19.6	17.9	15.2	13.4	12.7	12.7	11.7	11.6	12.4
90°	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	34.6	32.7	30.7	29.2	28.0	26.7	25.5	24.2	25.5	26.7	28.0
95°	72.6	70.3	68.1	66.8	66.4	66.0	65.4	65.0	65.4	66.0	66.4
97.5°	116.5	113.5	110.4	108.7	108.6	108.4	108.2	108.1	108.2	108.4	108.6
100°	147.3	144.4	141.5	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
102.5°	182.2	180.7	179.3	178.1	177.2	176.2	175.4	174.5	175.4	176.2	177.2
105°	236.4	235.1	233.8	232.6	231.4	230.3	229.2	228.1	229.2	230.3	231.4
107.5°	294.9	293.9	292.8	291.8	290.7	289.6	288.4	287.3	288.4	289.6	290.7
110°	334.8	334.2	333.5	332.6	331.5	330.4	329.2	328.2	329.2	330.4	331.5



TEST NUMBER: P333287-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	374.5	373.7	372.8	372.1	371.5	370.9	370.4	369.8	370.4	370.9	371.5
115°	436.4	435.9	435.4	434.8	433.9	433.0	432.1	431.2	432.1	433.0	433.9
117.5°	495.7	495.2	494.8	494.5	494.0	493.7	493.3	492.8	493.3	493.7	494.0
120°	536.8	536.6	536.4	535.7	534.6	533.5	532.4	531.2	532.4	533.5	534.6
122.5°	576.2	575.6	575.0	574.5	574.1	573.7	573.3	572.9	573.3	573.7	574.1
125°	635.8	635.7	635.4	634.6	633.4	632.0	630.7	629.3	630.7	632.0	633.4
127.5°	693.4	693.2	692.9	692.4	691.6	690.9	690.1	689.4	690.1	690.9	691.6
130°	731.5	731.1	730.6	729.8	728.8	727.6	726.5	725.4	726.5	727.6	728.8
132.5°	769.4	769.5	769.6	768.7	766.9	765.1	763.2	761.4	763.2	765.1	766.9
135°	825.0	824.8	824.6	823.8	822.4	821.1	819.8	818.5	819.8	821.1	822.4
137.5°	879.1	878.6	878.1	877.2	875.9	874.6	873.3	872.0	873.3	874.6	875.9
140°	913.2	912.5	911.8	910.9	909.8	908.7	907.6	906.5	907.6	908.7	909.8
142.5°	947.2	946.3	945.6	944.6	943.7	942.8	941.8	940.9	941.8	942.8	943.7
145°	997.2	996.5	995.8	995.1	994.2	993.3	992.4	991.5	992.4	993.3	994.2
147.5°	1041.9	1041.4	1040.8	1040.3	1039.8	1039.3	1038.8	1038.4	1038.8	1039.3	1039.8
150°	1070.7	1069.9	1069.0	1068.7	1068.9	1069.1	1069.4	1069.5	1069.4	1069.1	1068.9
152.5°	1097.4	1097.1	1096.7	1096.4	1096.1	1095.8	1095.5	1095.2	1095.5	1095.8	1096.1
155°	1135.1	1135.0	1134.7	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6
157.5°	1168.2	1167.9	1167.7	1167.9	1168.4	1168.8	1169.3	1169.8	1169.3	1168.8	1168.4
160°	1188.2	1187.9	1187.7	1187.9	1188.6	1189.3	1190.0	1190.6	1190.0	1189.3	1188.6
162.5°	1206.9	1206.9	1206.9	1207.0	1207.6	1208.1	1208.6	1209.0	1208.6	1208.1	1207.6
165°	1232.2	1232.0	1231.7	1231.8	1232.3	1232.8	1233.2	1233.6	1233.2	1232.8	1232.3
167.5°	1250.4	1250.4	1250.4	1250.9	1251.8	1252.7	1253.5	1254.5	1253.5	1252.7	1251.8
170°	1261.6	1261.6	1261.6	1262.1	1263.0	1263.9	1264.8	1265.7	1264.8	1263.9	1263.0
172.5°	1269.6	1269.6	1269.6	1270.1	1271.0	1271.9	1272.8	1273.7	1272.8	1271.9	1271.0
175°	1278.7	1278.7	1278.7	1279.1	1280.0	1280.9	1281.8	1282.6	1281.8	1280.9	1280.0
177.5°	1283.7	1283.8	1284.0	1284.4	1285.1	1285.8	1286.6	1287.3	1286.6	1285.8	1285.1
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333287-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1345.4	1340.3	1336.1	1326.8	1321.7	1314.7	1309.2	1315.2	1308.7	1311.5	1307.3
5°	1303.5	1287.2	1275.6	1258.7	1244.2	1230.8	1221.0	1219.2	1214.5	1212.2	1205.2
7.5°	1253.0	1232.7	1212.7	1190.6	1172.0	1153.1	1141.0	1131.0	1124.4	1115.7	1109.7
10°	1223.3	1195.9	1172.8	1146.0	1122.7	1102.4	1086.2	1078.0	1070.5	1059.4	1055.3
12.5°	1186.5	1158.3	1130.0	1101.4	1079.0	1056.4	1042.4	1030.1	1024.8	1012.4	1011.2
15°	1142.5	1100.1	1072.2	1043.1	1012.4	993.8	982.1	968.7	962.9	954.2	947.8
17.5°	1089.9	1052.1	1017.2	987.1	960.7	945.0	930.7	921.4	911.5	905.8	895.3
20°	1051.9	1015.8	980.9	949.0	928.7	910.6	899.0	890.3	879.9	876.9	866.5
22.5°	1019.8	980.0	946.6	919.7	897.5	877.2	864.6	858.7	851.4	842.5	840.4
25°	967.6	926.3	897.9	871.2	851.4	832.8	824.1	816.5	809.5	803.1	800.8
27.5°	922.5	885.6	851.8	827.7	810.5	793.5	785.8	776.6	771.5	766.4	760.1
30°	890.9	853.1	823.5	800.2	781.6	766.5	758.4	752.0	747.3	742.7	739.2
32.5°	858.3	823.4	794.6	771.9	753.3	741.8	734.7	730.1	725.0	719.5	715.1
35°	815.4	777.0	749.1	729.4	714.8	706.1	697.9	693.9	688.0	688.0	683.4
37.5°	766.9	733.7	709.1	691.1	678.0	670.3	661.4	658.7	655.0	652.5	650.8
40°	738.0	707.2	684.0	666.0	652.0	645.7	638.7	634.0	631.7	628.8	627.6
42.5°	708.3	678.9	656.6	640.0	627.8	622.4	615.9	612.6	608.0	604.2	603.5
45°	663.1	634.6	614.2	600.9	590.4	584.0	580.0	573.0	570.7	566.0	565.4
47.5°	620.2	592.9	572.9	562.0	552.8	547.5	541.1	534.2	531.5	529.2	528.9
50°	588.1	563.1	544.5	534.1	525.4	517.8	511.4	506.8	505.0	505.0	506.2
52.5°	555.6	534.3	518.5	505.7	497.5	489.4	483.5	480.7	478.0	480.9	482.9
55°	507.9	486.4	474.8	462.6	454.4	445.1	442.2	441.1	439.4	444.0	446.3
57.5°	457.4	442.4	428.8	416.6	409.3	404.0	400.0	399.3	402.6	404.8	412.3
60°	425.4	407.9	395.7	386.4	377.7	374.3	373.1	372.0	374.3	380.6	390.5
62.5°	390.0	375.9	362.7	355.8	349.4	343.5	343.4	344.1	348.7	356.0	365.8
65°	338.2	326.0	317.3	309.2	303.9	300.4	301.6	303.9	309.2	319.0	330.1
67.5°	285.6	277.2	269.4	262.8	257.8	257.8	259.0	262.4	268.6	280.0	290.1
70°	251.7	242.4	235.9	233.1	228.9	226.6	230.1	235.9	241.2	251.7	260.4
72.5°	217.7	209.8	204.8	202.9	201.0	199.2	200.4	206.6	213.7	224.2	234.3
75°	167.4	164.5	161.0	158.7	156.9	158.1	159.2	165.1	170.8	181.9	193.6
77.5°	122.2	119.2	117.0	116.5	115.5	116.1	119.3	123.6	129.3	137.4	146.2
80°	92.4	91.3	90.1	89.5	89.5	90.1	94.7	97.6	102.9	110.4	117.4
82.5°	67.3	66.6	66.4	66.2	66.7	66.8	69.7	73.4	77.7	83.4	89.5
85°	35.5	34.3	36.0	36.6	35.5	37.2	38.3	40.6	42.4	45.3	48.2
87.5°	13.3	14.6	14.4	15.2	15.4	16.7	16.4	18.5	19.7	20.8	20.6
90°	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3	19.4	20.5	21.4
92.5°	29.2	30.7	32.7	34.6	36.5	38.4	39.9	41.3	42.8	44.3	45.3
95°	66.8	68.1	70.3	72.6	74.8	77.1	78.6	80.2	81.7	83.3	84.3
97.5°	108.7	110.4	113.5	116.5	119.6	122.7	124.2	125.6	127.1	128.5	129.4
100°	140.1	141.5	144.4	147.3	150.2	153.1	155.1	157.0	159.1	161.1	162.3
102.5°	178.1	179.3	180.7	182.2	183.7	185.1	187.3	189.4	191.7	193.8	195.2
105°	232.6	233.8	235.1	236.4	237.8	239.1	240.5	241.8	243.1	244.4	245.5
107.5°	291.8	292.8	293.9	294.9	295.9	297.0	297.6	298.3	298.9	299.6	300.0
110°	332.6	333.5	334.2	334.8	335.5	336.1	336.8	337.5	338.2	338.8	339.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	372.1	372.8	373.7	374.5	375.3	376.2	376.5	376.9	377.1	377.5	377.4
115°	434.8	435.4	435.9	436.4	436.8	437.2	437.0	436.8	436.5	436.4	436.1
117.5°	494.5	494.8	495.2	495.7	496.0	496.5	496.6	496.8	497.0	497.1	496.8
120°	535.7	536.4	536.6	536.8	537.1	537.3	537.3	537.3	537.3	537.3	536.8
122.5°	574.5	575.0	575.6	576.2	576.7	577.3	577.1	577.0	576.8	576.6	576.2
125°	634.6	635.4	635.7	635.8	636.1	636.4	635.8	635.4	635.0	634.6	634.2
127.5°	692.4	692.9	693.2	693.4	693.7	694.0	693.7	693.5	693.3	693.1	692.8
130°	729.8	730.6	731.1	731.5	731.9	732.4	732.2	731.9	731.7	731.5	731.2
132.5°	768.7	769.6	769.5	769.4	769.3	769.2	769.0	768.8	768.5	768.3	767.9
135°	823.8	824.6	824.8	825.0	825.2	825.4	825.4	825.4	825.4	825.4	825.0
137.5°	877.2	878.1	878.6	879.1	879.6	880.0	880.3	880.6	880.9	881.1	880.7
140°	910.9	911.8	912.5	913.2	913.8	914.5	914.9	915.3	915.8	916.3	915.9
142.5°	944.6	945.6	946.3	947.2	948.0	948.9	949.2	949.4	949.7	949.9	949.5
145°	995.1	995.8	996.5	997.2	997.8	998.5	998.5	998.5	998.5	998.5	998.2
147.5°	1040.3	1040.8	1041.4	1041.9	1042.4	1042.9	1043.4	1044.0	1044.6	1045.1	1044.6
150°	1068.7	1069.0	1069.9	1070.7	1071.7	1072.5	1072.5	1072.5	1072.5	1072.5	1072.4
152.5°	1096.4	1096.7	1097.1	1097.4	1097.9	1098.2	1098.7	1099.2	1099.8	1100.3	1100.2
155°	1134.6	1134.7	1135.0	1135.1	1135.4	1135.6	1136.5	1137.4	1138.2	1139.2	1139.0
157.5°	1167.9	1167.7	1167.9	1168.2	1168.4	1168.6	1169.5	1170.4	1171.3	1172.2	1171.9
160°	1187.9	1187.7	1187.9	1188.2	1188.4	1188.6	1189.5	1190.4	1191.3	1192.1	1192.1
162.5°	1207.0	1206.9	1206.9	1206.9	1206.9	1207.0	1208.1	1209.2	1210.2	1211.3	1211.2
165°	1231.8	1231.7	1232.0	1232.2	1232.4	1232.6	1233.6	1234.4	1235.3	1236.2	1236.0
167.5°	1250.9	1250.4	1250.4	1250.4	1250.4	1250.4	1251.8	1253.1	1254.5	1255.8	1255.8
170°	1262.1	1261.6	1261.6	1261.6	1261.6	1261.6	1263.0	1264.3	1265.7	1267.0	1266.9
172.5°	1270.1	1269.6	1269.6	1269.6	1269.6	1269.6	1271.0	1272.3	1273.7	1275.0	1275.0
175°	1279.1	1278.7	1278.7	1278.7	1278.7	1278.7	1280.0	1281.3	1282.6	1284.0	1283.9
177.5°	1284.4	1284.0	1283.8	1283.7	1283.4	1283.2	1284.4	1285.4	1286.5	1287.5	1287.5
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333287-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1304.5	1307.8	1305.0	1308.7	1305.0	1307.8	1304.5	1307.3	1311.5	1308.7	1315.2
5°	1202.4	1197.1	1200.6	1198.3	1200.6	1197.1	1202.4	1205.2	1212.2	1214.5	1219.2
7.5°	1108.0	1103.0	1097.3	1094.6	1097.3	1103.0	1108.0	1109.7	1115.7	1124.4	1131.0
10°	1049.0	1042.6	1042.0	1037.9	1042.0	1042.6	1049.0	1055.3	1059.4	1070.5	1078.0
12.5°	1005.7	999.8	993.2	991.4	993.2	999.8	1005.7	1011.2	1012.4	1024.8	1030.1
15°	944.3	939.7	935.6	939.1	935.6	939.7	944.3	947.8	954.2	962.9	968.7
17.5°	893.3	889.5	888.8	884.5	888.8	889.5	893.3	895.3	905.8	911.5	921.4
20°	861.3	858.3	859.5	852.0	859.5	858.3	861.3	866.5	876.9	879.9	890.3
22.5°	835.7	830.0	829.3	827.8	829.3	830.0	835.7	840.4	842.5	851.4	858.7
25°	795.6	792.6	789.8	792.6	789.8	792.6	795.6	800.8	803.1	809.5	816.5
27.5°	760.6	757.1	756.3	756.6	756.3	757.1	760.6	760.1	766.4	771.5	776.6
30°	739.2	733.4	734.0	733.4	734.0	733.4	739.2	739.2	742.7	747.3	752.0
32.5°	715.9	712.0	711.2	710.2	711.2	712.0	715.9	715.1	719.5	725.0	730.1
35°	681.7	681.7	678.7	678.7	678.7	681.7	681.7	683.4	688.0	688.0	693.9
37.5°	649.5	648.8	647.1	647.4	647.1	648.8	649.5	650.8	652.5	655.0	658.7
40°	625.3	624.7	622.9	619.5	622.9	624.7	625.3	627.6	628.8	631.7	634.0
42.5°	602.0	600.1	599.3	598.1	599.3	600.1	602.0	603.5	604.2	608.0	612.6
45°	565.4	565.4	564.3	563.7	564.3	565.4	565.4	565.4	566.0	570.7	573.0
47.5°	529.9	530.9	533.1	532.8	533.1	530.9	529.9	528.9	529.2	531.5	534.2
50°	508.5	509.1	510.8	511.4	510.8	509.1	508.5	506.2	505.0	505.0	506.8
52.5°	484.7	488.2	490.3	490.0	490.3	488.2	484.7	482.9	480.9	478.0	480.7
55°	451.5	455.6	459.7	460.3	459.7	455.6	451.5	446.3	444.0	439.4	441.1
57.5°	418.6	424.3	428.6	430.1	428.6	424.3	418.6	412.3	404.8	402.6	399.3
60°	396.3	403.9	409.1	411.5	409.1	403.9	396.3	390.5	380.6	374.3	372.0
62.5°	375.0	383.4	388.7	389.1	388.7	383.4	375.0	365.8	356.0	348.7	344.1
65°	339.9	348.7	353.4	356.8	353.4	348.7	339.9	330.1	319.0	309.2	303.9
67.5°	302.3	311.0	316.2	318.9	316.2	311.0	302.3	290.1	280.0	268.6	262.4
70°	274.9	283.6	290.6	292.9	290.6	283.6	274.9	260.4	251.7	241.2	235.9
72.5°	247.9	255.7	261.3	264.1	261.3	255.7	247.9	234.3	224.2	213.7	206.6
75°	201.0	211.5	216.8	219.6	216.8	211.5	201.0	193.6	181.9	170.8	165.1
77.5°	155.1	164.5	167.7	169.2	167.7	164.5	155.1	146.2	137.4	129.3	123.6
80°	124.3	130.2	134.2	134.8	134.2	130.2	124.3	117.4	110.4	102.9	97.6
82.5°	95.6	100.4	101.7	103.2	101.7	100.4	95.6	89.5	83.4	77.7	73.4
85°	52.3	54.6	55.2	54.6	55.2	54.6	52.3	48.2	45.3	42.4	40.6
87.5°	21.6	21.3	21.4	22.5	21.4	21.3	21.6	20.6	20.8	19.7	18.5
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3
92.5°	45.7	46.2	46.8	47.2	46.8	46.2	45.7	45.3	44.3	42.8	41.3
95°	84.7	85.2	85.6	86.0	85.6	85.2	84.7	84.3	83.3	81.7	80.2
97.5°	129.7	129.9	130.2	130.4	130.2	129.9	129.7	129.4	128.5	127.1	125.6
100°	162.7	163.2	163.7	164.1	163.7	163.2	162.7	162.3	161.1	159.1	157.0
102.5°	195.9	196.5	197.1	197.7	197.1	196.5	195.9	195.2	193.8	191.7	189.4
105°	246.2	246.8	247.5	248.1	247.5	246.8	246.2	245.5	244.4	243.1	241.8
107.5°	299.9	299.9	299.8	299.7	299.8	299.9	299.9	300.0	299.6	298.9	298.3
110°	338.8	338.6	338.4	338.2	338.4	338.6	338.8	339.1	338.8	338.2	337.5



TEST NUMBER: P333287-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	377.0	376.6	376.2	375.8	376.2	376.6	377.0	377.4	377.5	377.1	376.9
115°	435.9	435.7	435.4	435.2	435.4	435.7	435.9	436.1	436.4	436.5	436.8
117.5°	495.9	495.1	494.1	493.3	494.1	495.1	495.9	496.8	497.1	497.0	496.8
120°	536.0	535.0	534.2	533.3	534.2	535.0	536.0	536.8	537.3	537.3	537.3
122.5°	575.4	574.7	574.0	573.3	574.0	574.7	575.4	576.2	576.6	576.8	577.0
125°	634.0	633.8	633.5	633.4	633.5	633.8	634.0	634.2	634.6	635.0	635.4
127.5°	692.3	691.8	691.4	691.0	691.4	691.8	692.3	692.8	693.1	693.3	693.5
130°	730.7	730.3	729.8	729.4	729.8	730.3	730.7	731.2	731.5	731.7	731.9
132.5°	767.2	766.6	766.0	765.4	766.0	766.6	767.2	767.9	768.3	768.5	768.8
135°	824.1	823.2	822.3	821.4	822.3	823.2	824.1	825.0	825.4	825.4	825.4
137.5°	879.6	878.5	877.4	876.2	877.4	878.5	879.6	880.7	881.1	880.9	880.6
140°	914.8	913.7	912.6	911.5	912.6	913.7	914.8	915.9	916.3	915.8	915.3
142.5°	948.4	947.4	946.2	945.1	946.2	947.4	948.4	949.5	949.9	949.7	949.4
145°	997.6	996.9	996.2	995.5	996.2	996.9	997.6	998.2	998.5	998.5	998.5
147.5°	1043.1	1041.6	1040.1	1038.5	1040.1	1041.6	1043.1	1044.6	1045.1	1044.6	1044.0
150°	1071.9	1071.4	1071.0	1070.6	1071.0	1071.4	1071.9	1072.4	1072.5	1072.5	1072.5
152.5°	1099.4	1098.5	1097.8	1097.0	1097.8	1098.5	1099.4	1100.2	1100.3	1099.8	1099.2
155°	1137.9	1136.8	1135.7	1134.6	1135.7	1136.8	1137.9	1139.0	1139.2	1138.2	1137.4
157.5°	1170.4	1169.0	1167.5	1166.1	1167.5	1169.0	1170.4	1171.9	1172.2	1171.3	1170.4
160°	1190.9	1189.8	1188.7	1187.7	1188.7	1189.8	1190.9	1192.1	1192.1	1191.3	1190.4
162.5°	1209.9	1208.6	1207.3	1206.0	1207.3	1208.6	1209.9	1211.2	1211.3	1210.2	1209.2
165°	1234.7	1233.3	1232.0	1230.6	1232.0	1233.3	1234.7	1236.0	1236.2	1235.3	1234.4
167.5°	1254.4	1253.0	1251.6	1250.3	1251.6	1253.0	1254.4	1255.8	1255.8	1254.5	1253.1
170°	1265.3	1263.8	1262.2	1260.7	1262.2	1263.8	1265.3	1266.9	1267.0	1265.7	1264.3
172.5°	1273.6	1272.2	1270.8	1269.5	1270.8	1272.2	1273.6	1275.0	1275.0	1273.7	1272.3
175°	1282.4	1280.8	1279.2	1277.6	1279.2	1280.8	1282.4	1283.9	1284.0	1282.6	1281.3
177.5°	1286.2	1285.0	1283.8	1282.5	1283.8	1285.0	1286.2	1287.5	1287.5	1286.5	1285.4
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333287-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1309.2	1314.7	1321.7	1326.8	1336.1	1340.3	1345.4	1349.6	1357.0	1364.0	1372.4
5°	1221.0	1230.8	1244.2	1258.7	1275.6	1287.2	1303.5	1313.4	1333.1	1351.2	1368.6
7.5°	1141.0	1153.1	1172.0	1190.6	1212.7	1232.7	1253.0	1275.6	1300.8	1330.6	1355.2
10°	1086.2	1102.4	1122.7	1146.0	1172.8	1195.9	1223.3	1247.7	1278.5	1313.4	1345.9
12.5°	1042.4	1056.4	1079.0	1101.4	1130.0	1158.3	1186.5	1218.8	1254.8	1293.4	1334.3
15°	982.1	993.8	1012.4	1043.1	1072.2	1100.1	1142.5	1172.8	1218.1	1261.0	1310.4
17.5°	930.7	945.0	960.7	987.1	1017.2	1052.1	1089.9	1127.8	1171.6	1226.1	1281.8
20°	899.0	910.6	928.7	949.0	980.9	1015.8	1051.9	1090.2	1143.7	1200.1	1259.9
22.5°	864.6	877.2	897.5	919.7	946.6	980.0	1019.8	1061.9	1117.7	1173.1	1238.0
25°	824.1	832.8	851.4	871.2	897.9	926.3	967.6	1014.1	1069.3	1132.6	1198.9
27.5°	785.8	793.5	810.5	827.7	851.8	885.6	922.5	969.5	1021.5	1085.6	1159.2
30°	758.4	766.5	781.6	800.2	823.5	853.1	890.9	935.0	990.8	1053.6	1130.3
32.5°	734.7	741.8	753.3	771.9	794.6	823.4	858.3	903.4	959.2	1022.9	1098.2
35°	697.9	706.1	714.8	729.4	749.1	777.0	815.4	857.7	911.2	972.8	1042.0
37.5°	661.4	670.3	678.0	691.1	709.1	733.7	766.9	811.1	859.4	918.8	985.2
40°	638.7	645.7	652.0	666.0	684.0	707.2	738.0	777.6	828.7	883.9	939.1
42.5°	615.9	622.4	627.8	640.0	656.6	678.9	708.3	746.8	794.3	845.8	894.5
45°	580.0	584.0	590.4	600.9	614.2	634.6	663.1	697.3	737.4	786.3	822.9
47.5°	541.1	547.5	552.8	562.0	572.9	592.9	620.2	649.4	685.7	722.0	747.8
50°	511.4	517.8	525.4	534.1	544.5	563.1	588.1	617.8	648.5	676.4	698.5
52.5°	483.5	489.4	497.5	505.7	518.5	534.3	555.6	581.9	612.3	632.2	650.7
55°	442.2	445.1	454.4	462.6	474.8	486.4	507.9	531.2	549.7	564.9	580.0
57.5°	400.0	404.0	409.3	416.6	428.8	442.4	457.4	478.0	489.0	496.7	508.5
60°	373.1	374.3	377.7	386.4	395.7	407.9	425.4	439.9	448.1	454.4	464.3
62.5°	343.4	343.5	349.4	355.8	362.7	375.9	390.0	401.8	408.5	411.6	421.1
65°	301.6	300.4	303.9	309.2	317.3	326.0	338.2	348.7	348.1	351.5	357.4
67.5°	259.0	257.8	257.8	262.8	269.4	277.2	285.6	291.6	291.7	296.4	299.3
70°	230.1	226.6	228.9	233.1	235.9	242.4	251.7	254.0	254.5	256.8	259.8
72.5°	200.4	199.2	201.0	202.9	204.8	209.8	217.7	219.1	219.2	220.6	225.3
75°	159.2	158.1	156.9	158.7	161.0	164.5	167.4	169.7	169.1	169.7	173.1
77.5°	119.3	116.1	115.5	116.5	117.0	119.2	122.2	121.9	122.5	122.3	126.3
80°	94.7	90.1	89.5	89.5	90.1	91.3	92.4	93.6	91.8	93.6	94.7
82.5°	69.7	66.8	66.7	66.2	66.4	66.6	67.3	68.0	67.7	68.4	69.1
85°	38.3	37.2	35.5	36.6	36.0	34.3	35.5	33.7	33.1	33.7	34.3
87.5°	16.4	16.7	15.4	15.2	14.4	14.6	13.3	12.4	11.6	11.7	12.7
90°	17.1	16.0	14.5	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0
92.5°	39.9	38.4	36.5	34.6	32.7	30.7	29.2	28.0	26.7	25.5	24.2
95°	78.6	77.1	74.8	72.6	70.3	68.1	66.8	66.4	66.0	65.4	65.0
97.5°	124.2	122.7	119.6	116.5	113.5	110.4	108.7	108.6	108.4	108.2	108.1
100°	155.1	153.1	150.2	147.3	144.4	141.5	140.1	140.1	140.1	140.1	140.1
102.5°	187.3	185.1	183.7	182.2	180.7	179.3	178.1	177.2	176.2	175.4	174.5
105°	240.5	239.1	237.8	236.4	235.1	233.8	232.6	231.4	230.3	229.2	228.1
107.5°	297.6	297.0	295.9	294.9	293.9	292.8	291.8	290.7	289.6	288.4	287.3
110°	336.8	336.1	335.5	334.8	334.2	333.5	332.6	331.5	330.4	329.2	328.2



TEST NUMBER: P333287-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	376.5	376.2	375.3	374.5	373.7	372.8	372.1	371.5	370.9	370.4	369.8
115°	437.0	437.2	436.8	436.4	435.9	435.4	434.8	433.9	433.0	432.1	431.2
117.5°	496.6	496.5	496.0	495.7	495.2	494.8	494.5	494.0	493.7	493.3	492.8
120°	537.3	537.3	537.1	536.8	536.6	536.4	535.7	534.6	533.5	532.4	531.2
122.5°	577.1	577.3	576.7	576.2	575.6	575.0	574.5	574.1	573.7	573.3	572.9
125°	635.8	636.4	636.1	635.8	635.7	635.4	634.6	633.4	632.0	630.7	629.3
127.5°	693.7	694.0	693.7	693.4	693.2	692.9	692.4	691.6	690.9	690.1	689.4
130°	732.2	732.4	731.9	731.5	731.1	730.6	729.8	728.8	727.6	726.5	725.4
132.5°	769.0	769.2	769.3	769.4	769.5	769.6	768.7	766.9	765.1	763.2	761.4
135°	825.4	825.4	825.2	825.0	824.8	824.6	823.8	822.4	821.1	819.8	818.5
137.5°	880.3	880.0	879.6	879.1	878.6	878.1	877.2	875.9	874.6	873.3	872.0
140°	914.9	914.5	913.8	913.2	912.5	911.8	910.9	909.8	908.7	907.6	906.5
142.5°	949.2	948.9	948.0	947.2	946.3	945.6	944.6	943.7	942.8	941.8	940.9
145°	998.5	998.5	997.8	997.2	996.5	995.8	995.1	994.2	993.3	992.4	991.5
147.5°	1043.4	1042.9	1042.4	1041.9	1041.4	1040.8	1040.3	1039.8	1039.3	1038.8	1038.4
150°	1072.5	1072.5	1071.7	1070.7	1069.9	1069.0	1068.7	1068.9	1069.1	1069.4	1069.5
152.5°	1098.7	1098.2	1097.9	1097.4	1097.1	1096.7	1096.4	1096.1	1095.8	1095.5	1095.2
155°	1136.5	1135.6	1135.4	1135.1	1135.0	1134.7	1134.6	1134.6	1134.6	1134.6	1134.6
157.5°	1169.5	1168.6	1168.4	1168.2	1167.9	1167.7	1167.9	1168.4	1168.8	1169.3	1169.8
160°	1189.5	1188.6	1188.4	1188.2	1187.9	1187.7	1187.9	1188.6	1189.3	1190.0	1190.6
162.5°	1208.1	1207.0	1206.9	1206.9	1206.9	1206.9	1207.0	1207.6	1208.1	1208.6	1209.0
165°	1233.6	1232.6	1232.4	1232.2	1232.0	1231.7	1231.8	1232.3	1232.8	1233.2	1233.6
167.5°	1251.8	1250.4	1250.4	1250.4	1250.4	1250.4	1250.9	1251.8	1252.7	1253.5	1254.5
170°	1263.0	1261.6	1261.6	1261.6	1261.6	1261.6	1262.1	1263.0	1263.9	1264.8	1265.7
172.5°	1271.0	1269.6	1269.6	1269.6	1269.6	1269.6	1270.1	1271.0	1271.9	1272.8	1273.7
175°	1280.0	1278.7	1278.7	1278.7	1278.7	1278.7	1279.1	1280.0	1280.9	1281.8	1282.6
177.5°	1284.4	1283.2	1283.4	1283.7	1283.8	1284.0	1284.4	1285.1	1285.8	1286.6	1287.3
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333287-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1376.6	1383.1	1387.2	1395.2	1401.7	1405.4	1408.7	1411.4	1414.7	1417.5	1425.4
5°	1385.4	1400.5	1413.3	1433.0	1451.1	1465.1	1480.1	1493.5	1504.5	1520.3	1532.4
7.5°	1381.6	1408.4	1436.6	1467.1	1498.4	1527.4	1554.2	1579.2	1601.8	1629.3	1653.3
10°	1377.9	1414.5	1450.5	1491.8	1534.2	1570.2	1604.0	1638.2	1663.2	1698.1	1727.7
12.5°	1375.1	1418.2	1461.6	1511.3	1557.9	1608.8	1653.6	1678.7	1716.7	1744.6	1779.8
15°	1363.3	1420.3	1480.1	1535.9	1602.1	1649.2	1688.8	1737.6	1773.1	1808.4	1846.8
17.5°	1342.3	1406.8	1473.8	1546.9	1610.4	1661.0	1711.9	1758.9	1801.3	1848.8	1896.6
20°	1332.6	1397.1	1473.8	1548.7	1610.9	1663.8	1716.1	1767.8	1814.3	1875.3	1930.5
22.5°	1312.1	1390.1	1460.8	1533.9	1597.8	1655.4	1714.7	1773.4	1835.2	1904.1	1973.3
25°	1275.6	1354.6	1429.6	1501.7	1566.2	1638.2	1701.6	1780.0	1859.1	1950.3	2036.3
27.5°	1237.7	1313.4	1382.1	1451.6	1526.9	1608.4	1690.7	1779.7	1883.1	1998.3	2119.6
30°	1207.0	1278.5	1345.3	1416.8	1495.2	1587.1	1677.1	1782.9	1902.6	2032.2	2176.3
32.5°	1171.2	1237.1	1302.1	1377.8	1463.2	1560.1	1665.1	1781.1	1924.9	2072.2	2220.5
35°	1110.0	1165.2	1232.0	1312.8	1409.3	1520.3	1641.7	1778.8	1943.9	2113.0	2237.9
37.5°	1037.3	1088.7	1159.2	1247.7	1348.8	1467.9	1612.1	1774.8	1950.1	2084.9	2125.2
40°	988.5	1036.1	1109.4	1201.2	1304.7	1430.7	1588.8	1760.8	1930.5	2016.5	1983.4
42.5°	936.4	986.4	1057.7	1148.7	1260.0	1397.3	1559.5	1731.6	1873.8	1906.3	1791.8
45°	854.3	905.9	976.3	1068.2	1187.8	1336.6	1505.7	1662.1	1744.0	1685.3	1508.0
47.5°	777.9	826.4	891.6	986.3	1109.8	1263.7	1426.6	1551.3	1557.8	1417.7	1228.4
50°	725.8	770.6	836.3	931.0	1053.6	1209.4	1356.3	1454.6	1410.4	1251.7	1069.9
52.5°	674.7	718.5	783.3	877.0	998.2	1141.0	1277.8	1346.7	1263.5	1100.7	945.3
55°	600.9	639.2	702.6	789.2	904.2	1036.7	1153.0	1176.8	1068.7	908.3	782.2
57.5°	528.8	564.6	622.2	702.0	807.2	924.5	1015.5	1010.4	896.1	758.5	658.4
60°	480.0	514.9	566.0	643.9	739.8	840.9	918.8	900.2	786.9	668.3	584.0
62.5°	436.4	467.4	515.8	583.9	671.4	765.1	829.1	801.6	690.6	586.9	520.4
65°	372.0	398.0	439.4	497.5	570.1	647.4	696.8	661.3	566.6	485.9	432.4
67.5°	310.5	331.4	366.0	412.3	474.3	536.4	566.5	530.8	455.0	396.1	356.5
70°	271.4	290.0	316.7	358.0	412.0	464.3	487.0	455.0	389.9	339.4	310.9
72.5°	232.3	247.7	271.1	308.2	351.5	396.9	416.8	386.2	332.8	290.1	263.5
75°	179.6	190.0	206.3	231.9	266.1	302.2	313.2	286.5	252.2	220.2	202.9
77.5°	128.5	137.4	149.7	165.8	190.1	213.0	222.7	207.2	180.7	160.5	146.2
80°	98.8	103.4	113.9	127.3	146.5	161.0	167.4	157.5	138.9	123.8	112.7
82.5°	70.4	75.1	81.4	92.4	104.6	114.5	121.3	114.7	101.3	89.4	83.0
85°	34.3	37.2	40.6	45.3	54.6	60.4	59.8	55.8	50.5	45.9	42.4
87.5°	12.7	13.4	15.2	17.9	19.6	21.8	23.1	22.4	20.8	19.7	18.5
90°	2.8	4.6	6.4	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3
92.5°	25.5	26.7	28.0	29.2	30.7	32.7	34.6	36.5	38.4	39.9	41.3
95°	65.4	66.0	66.4	66.8	68.1	70.3	72.6	74.8	77.1	78.6	80.2
97.5°	108.2	108.4	108.6	108.7	110.4	113.5	116.5	119.6	122.7	124.2	125.6
100°	140.1	140.1	140.1	140.1	141.5	144.4	147.3	150.2	153.1	155.1	157.0
102.5°	175.4	176.2	177.2	178.1	179.3	180.7	182.2	183.7	185.1	187.3	189.4
105°	229.2	230.3	231.4	232.6	233.8	235.1	236.4	237.8	239.1	240.5	241.8
107.5°	288.4	289.6	290.7	291.8	292.8	293.9	294.9	295.9	297.0	297.6	298.3
110°	329.2	330.4	331.5	332.6	333.5	334.2	334.8	335.5	336.1	336.8	337.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	370.4	370.9	371.5	372.1	372.8	373.7	374.5	375.3	376.2	376.5	376.9
115°	432.1	433.0	433.9	434.8	435.4	435.9	436.4	436.8	437.2	437.0	436.8
117.5°	493.3	493.7	494.0	494.5	494.8	495.2	495.7	496.0	496.5	496.6	496.8
120°	532.4	533.5	534.6	535.7	536.4	536.6	536.8	537.1	537.3	537.3	537.3
122.5°	573.3	573.7	574.1	574.5	575.0	575.6	576.2	576.7	577.3	577.1	577.0
125°	630.7	632.0	633.4	634.6	635.4	635.7	635.8	636.1	636.4	635.8	635.4
127.5°	690.1	690.9	691.6	692.4	692.9	693.2	693.4	693.7	694.0	693.7	693.5
130°	726.5	727.6	728.8	729.8	730.6	731.1	731.5	731.9	732.4	732.2	731.9
132.5°	763.2	765.1	766.9	768.7	769.6	769.5	769.4	769.3	769.2	769.0	768.8
135°	819.8	821.1	822.4	823.8	824.6	824.8	825.0	825.2	825.4	825.4	825.4
137.5°	873.3	874.6	875.9	877.2	878.1	878.6	879.1	879.6	880.0	880.3	880.6
140°	907.6	908.7	909.8	910.9	911.8	912.5	913.2	913.8	914.5	914.9	915.3
142.5°	941.8	942.8	943.7	944.6	945.6	946.3	947.2	948.0	948.9	949.2	949.4
145°	992.4	993.3	994.2	995.1	995.8	996.5	997.2	997.8	998.5	998.5	998.5
147.5°	1038.8	1039.3	1039.8	1040.3	1040.8	1041.4	1041.9	1042.4	1042.9	1043.4	1044.0
150°	1069.4	1069.1	1068.9	1068.7	1069.0	1069.9	1070.7	1071.7	1072.5	1072.5	1072.5
152.5°	1095.5	1095.8	1096.1	1096.4	1096.7	1097.1	1097.4	1097.9	1098.2	1098.7	1099.2
155°	1134.6	1134.6	1134.6	1134.6	1134.7	1135.0	1135.1	1135.4	1135.6	1136.5	1137.4
157.5°	1169.3	1168.8	1168.4	1167.9	1167.7	1167.9	1168.2	1168.4	1168.6	1169.5	1170.4
160°	1190.0	1189.3	1188.6	1187.9	1187.7	1187.9	1188.2	1188.4	1188.6	1189.5	1190.4
162.5°	1208.6	1208.1	1207.6	1207.0	1206.9	1206.9	1206.9	1206.9	1207.0	1208.1	1209.2
165°	1233.2	1232.8	1232.3	1231.8	1231.7	1232.0	1232.2	1232.4	1232.6	1233.6	1234.4
167.5°	1253.5	1252.7	1251.8	1250.9	1250.4	1250.4	1250.4	1250.4	1250.4	1251.8	1253.1
170°	1264.8	1263.9	1263.0	1262.1	1261.6	1261.6	1261.6	1261.6	1261.6	1263.0	1264.3
172.5°	1272.8	1271.9	1271.0	1270.1	1269.6	1269.6	1269.6	1269.6	1269.6	1271.0	1272.3
175°	1281.8	1280.9	1280.0	1279.1	1278.7	1278.7	1278.7	1278.7	1278.7	1280.0	1281.3
177.5°	1286.6	1285.8	1285.1	1284.4	1284.0	1283.8	1283.7	1283.4	1283.2	1284.4	1285.4
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1431.9	1435.6	1443.6	1440.7	1444.5	1446.3	1448.2
5°	1547.6	1566.2	1574.3	1573.1	1585.4	1582.4	1579.5
7.5°	1678.2	1697.7	1708.7	1722.3	1730.2	1730.7	1737.6
10°	1752.1	1777.7	1788.1	1802.7	1812.0	1817.2	1816.6
12.5°	1808.9	1828.9	1852.3	1859.4	1872.0	1878.5	1876.1
15°	1877.1	1909.0	1933.5	1945.6	1961.4	1966.0	1972.4
17.5°	1937.9	1980.8	2009.3	2047.2	2061.5	2070.2	2065.1
20°	1984.0	2040.4	2068.8	2114.2	2139.2	2152.5	2147.9
22.5°	2038.4	2099.4	2152.1	2191.3	2229.3	2247.4	2251.1
25°	2131.6	2215.3	2292.6	2344.3	2391.3	2402.4	2426.8
27.5°	2235.8	2334.4	2417.1	2471.4	2504.2	2516.5	2524.2
30°	2301.3	2399.5	2461.7	2496.6	2507.0	2505.9	2504.6
32.5°	2333.4	2394.9	2406.8	2397.0	2373.1	2352.9	2331.8
35°	2287.9	2242.0	2173.4	2085.1	2020.0	1954.4	1947.9
37.5°	2057.7	1910.9	1796.7	1669.2	1595.7	1550.2	1518.9
40°	1841.0	1674.2	1535.9	1428.4	1353.5	1323.8	1294.8
42.5°	1605.8	1446.5	1324.0	1234.1	1177.8	1144.9	1121.8
45°	1304.7	1164.0	1068.2	1003.1	958.3	932.7	918.2
47.5°	1069.0	965.0	883.6	836.6	805.7	785.8	785.9
50°	942.6	843.3	789.2	752.0	725.2	709.6	712.5
52.5°	830.5	756.3	710.2	679.0	659.3	649.6	649.3
55°	694.5	641.0	610.8	588.1	574.7	563.7	566.0
57.5°	594.0	549.0	528.7	509.9	500.6	496.2	489.7
60°	531.8	496.9	479.4	464.3	455.0	451.5	445.1
62.5°	476.4	449.0	432.0	419.7	411.3	410.2	405.2
65°	400.4	379.4	364.4	358.5	349.8	347.5	347.5
67.5°	330.1	315.1	303.3	298.0	294.2	294.7	292.0
70°	285.9	273.7	266.1	260.4	257.4	258.0	255.7
72.5°	250.1	236.5	229.9	226.4	222.6	224.1	223.2
75°	189.4	182.4	179.0	175.5	173.1	172.0	170.8
77.5°	139.1	132.9	130.3	128.3	128.6	125.9	128.1
80°	107.5	102.3	100.6	97.6	97.0	97.0	96.4
82.5°	78.7	75.8	74.5	72.1	71.0	72.0	70.4
85°	40.6	38.3	37.8	37.8	36.6	35.5	38.3
87.5°	18.8	17.1	17.3	17.0	17.0	16.8	15.9
90°	19.4	20.5	21.4	22.0	22.6	23.3	24.0
92.5°	42.8	44.3	45.3	45.7	46.2	46.8	47.2
95°	81.7	83.3	84.3	84.7	85.2	85.6	86.0
97.5°	127.1	128.5	129.4	129.7	129.9	130.2	130.4
100°	159.1	161.1	162.3	162.7	163.2	163.7	164.1
102.5°	191.7	193.8	195.2	195.9	196.5	197.1	197.7
105°	243.1	244.4	245.5	246.2	246.8	247.5	248.1
107.5°	298.9	299.6	300.0	299.9	299.9	299.8	299.7
110°	338.2	338.8	339.1	338.8	338.6	338.4	338.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	377.1	377.5	377.4	377.0	376.6	376.2	375.8
115°	436.5	436.4	436.1	435.9	435.7	435.4	435.2
117.5°	497.0	497.1	496.8	495.9	495.1	494.1	493.3
120°	537.3	537.3	536.8	536.0	535.0	534.2	533.3
122.5°	576.8	576.6	576.2	575.4	574.7	574.0	573.3
125°	635.0	634.6	634.2	634.0	633.8	633.5	633.4
127.5°	693.3	693.1	692.8	692.3	691.8	691.4	691.0
130°	731.7	731.5	731.2	730.7	730.3	729.8	729.4
132.5°	768.5	768.3	767.9	767.2	766.6	766.0	765.4
135°	825.4	825.4	825.0	824.1	823.2	822.3	821.4
137.5°	880.9	881.1	880.7	879.6	878.5	877.4	876.2
140°	915.8	916.3	915.9	914.8	913.7	912.6	911.5
142.5°	949.7	949.9	949.5	948.4	947.4	946.2	945.1
145°	998.5	998.5	998.2	997.6	996.9	996.2	995.5
147.5°	1044.6	1045.1	1044.6	1043.1	1041.6	1040.1	1038.5
150°	1072.5	1072.5	1072.4	1071.9	1071.4	1071.0	1070.6
152.5°	1099.8	1100.3	1100.2	1099.4	1098.5	1097.8	1097.0
155°	1138.2	1139.2	1139.0	1137.9	1136.8	1135.7	1134.6
157.5°	1171.3	1172.2	1171.9	1170.4	1169.0	1167.5	1166.1
160°	1191.3	1192.1	1192.1	1190.9	1189.8	1188.7	1187.7
162.5°	1210.2	1211.3	1211.2	1209.9	1208.6	1207.3	1206.0
165°	1235.3	1236.2	1236.0	1234.7	1233.3	1232.0	1230.6
167.5°	1254.5	1255.8	1255.8	1254.4	1253.0	1251.6	1250.3
170°	1265.7	1267.0	1266.9	1265.3	1263.8	1262.2	1260.7
172.5°	1273.7	1275.0	1275.0	1273.6	1272.2	1270.8	1269.5
175°	1282.6	1284.0	1283.9	1282.4	1280.8	1279.2	1277.6
177.5°	1286.5	1287.5	1287.5	1286.2	1285.0	1283.8	1282.5
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6

(END OF REPORT)