

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: P332174-935

Luminaire Tested: **S123DIW-S775D1535U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332174-935
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: S123DIW-S775D1535U935-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1535 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8096.3 lumens
Efficiency: N/A
Efficacy: 118.9 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: Semi-Indirect

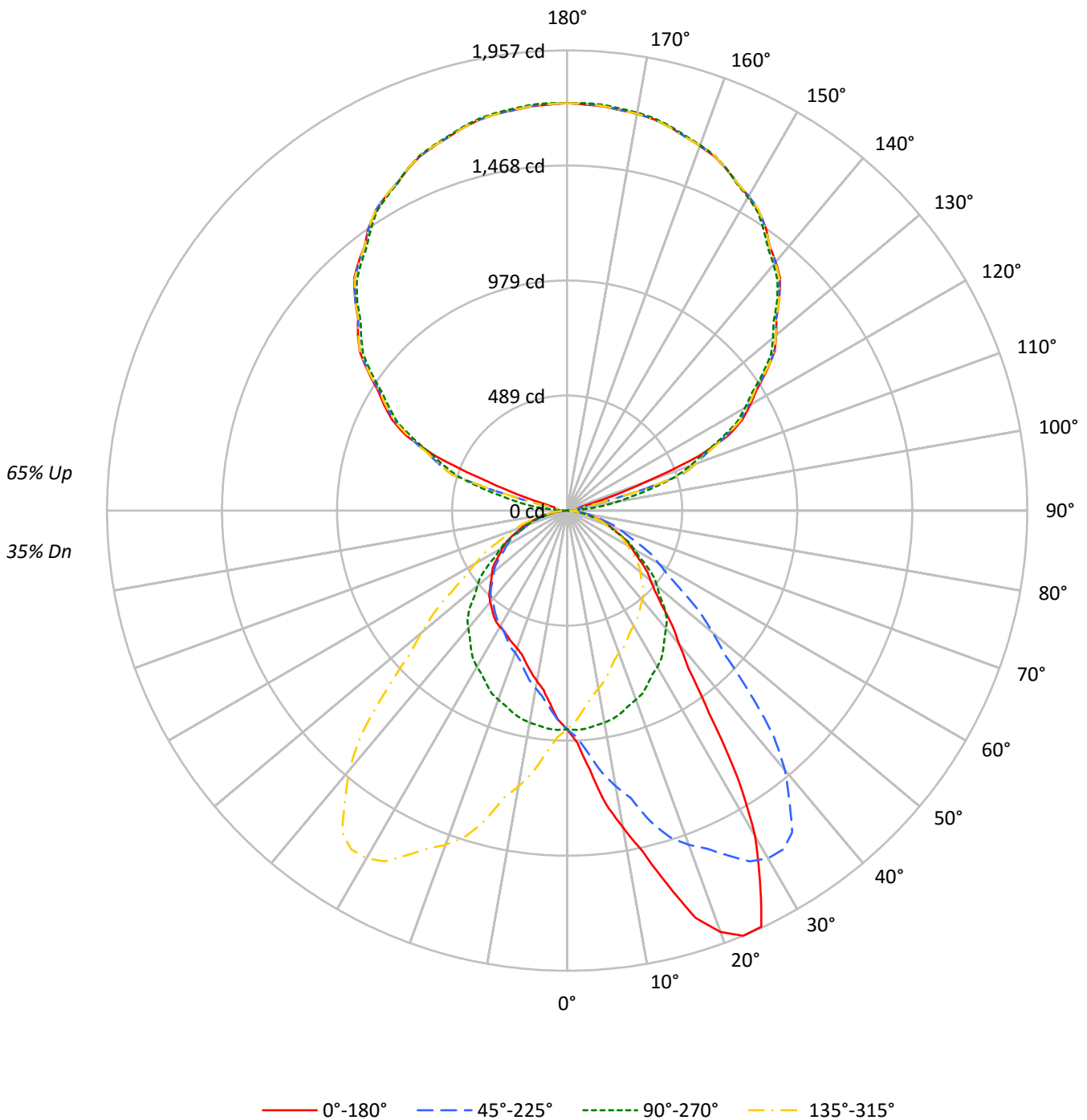
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	37	37	36	30
2	86	79	73	68	78	72	67	62	58	54	51	45	43	41	33	32	30	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	21
4	72	62	54	48	65	56	49	44	45	41	37	36	32	30	26	24	23	19
5	66	55	47	41	59	50	43	38	41	36	32	32	28	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	31	28	29	25	22	22	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	23	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	22	24	20	18	18	16	14	11
9	48	37	29	24	44	33	27	23	28	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10014	10014	10014	10014
5°	11943	10057	8912	10057
10°	14948	10006	8050	10006
15°	18333	9926	7494	9926
20°	21841	9800	7135	9800
25°	23192	9647	7056	9647
30°	19877	9536	7093	9536
35°	13825	9376	7167	9376
40°	10413	9190	7144	9190
45°	8645	8914	7054	8914
50°	7743	8348	6990	8348
55°	7240	7739	6902	7739
60°	6794	7102	6833	7102
65°	6383	6477	6612	6477
70°	5986	5759	6297	5759
75°	5361	5041	5772	5041
80°	4699	4135	4971	4135
85°	3680	3013	3335	3013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.1
10°-20°	293.9	3.6
20°-30°	493.2	6.1
30°-40°	558.5	6.9
40°-50°	500.8	6.2
50°-60°	404.1	5.0
60°-70°	281.6	3.5
70°-80°	148.0	1.8
80°-90°	41.1	0.5
90°-100°	63.0	0.8
100°-110°	300.2	3.7
110°-120°	721.1	8.9
120°-130°	918.3	11.3
130°-140°	981.1	12.1
140°-150°	917.5	11.3
150°-160°	740.1	9.1
160°-170°	477.6	5.9
170°-180°	164.6	2.0
0°-30°	878.7	10.9
0°-40°	1437.2	17.8
0°-60°	2342.1	28.9
0°-90°	2812.8	34.7
90°-120°	1084.3	13.4
90°-150°	3901.2	48.2
90°-180°	5283.0	65.3
0°-180°	8096.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	1105	931	825	931	1105	115
15°	1645	891	672	891	1645	475
25°	1953	812	594	812	1953	856
35°	1052	714	545	714	1052	684
45°	568	586	463	586	568	449
55°	386	412	368	412	386	346
65°	251	254	260	254	251	250
75°	129	121	139	121	129	138
85°	30	24	27	24	30	36
90°	39	1	39	1	39	19
95°	49	78	49	78	49	41
105°	57	384	57	384	57	129
115°	757	720	757	720	757	699
125°	1035	1014	1035	1014	1035	924
135°	1276	1263	1276	1263	1276	984
145°	1471	1457	1471	1457	1471	918
155°	1603	1605	1603	1605	1603	739
165°	1689	1693	1689	1693	1689	477
175°	1726	1732	1726	1732	1726	164
180°	1732	1732	1732	1732	1732	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	987.3	986.6	984.8	986.3	983.3	979.4	979.0	975.4	964.9	964.2	961.4
5°	1105.3	1101.6	1101.2	1100.7	1094.4	1085.9	1069.6	1068.2	1046.6	1035.8	1022.8
7.5°	1257.9	1259.8	1253.3	1247.5	1228.2	1215.5	1198.1	1175.8	1149.3	1122.3	1104.3
10°	1367.6	1382.4	1364.0	1351.3	1339.6	1317.5	1291.8	1259.8	1227.9	1190.4	1162.0
12.5°	1485.1	1492.5	1488.8	1476.9	1458.6	1425.0	1379.5	1344.2	1314.7	1252.4	1227.3
15°	1645.2	1672.8	1655.2	1614.5	1615.5	1583.5	1524.0	1458.6	1423.9	1369.3	1295.0
17.5°	1815.8	1819.2	1811.7	1778.0	1755.4	1711.4	1656.5	1593.9	1523.5	1457.5	1378.6
20°	1906.7	1903.9	1888.2	1870.6	1831.9	1797.6	1737.7	1667.8	1577.6	1512.7	1426.6
22.5°	1957.1	1952.7	1945.2	1930.4	1898.2	1861.4	1807.6	1731.2	1645.5	1556.0	1456.6
25°	1952.7	1958.5	1959.4	1955.3	1944.1	1922.0	1879.6	1818.8	1733.1	1618.2	1514.5
27.5°	1776.0	1784.3	1808.4	1829.7	1853.6	1877.9	1874.7	1844.4	1781.1	1681.9	1555.1
30°	1599.2	1581.2	1625.8	1682.2	1720.5	1788.1	1826.0	1828.2	1792.6	1707.4	1583.9
32.5°	1354.0	1373.9	1393.6	1462.9	1546.7	1622.6	1698.0	1758.7	1765.6	1708.9	1600.9
35°	1052.1	1076.9	1112.9	1148.9	1239.2	1316.6	1449.1	1564.5	1656.5	1668.7	1602.4
37.5°	847.7	860.1	882.9	918.9	977.9	1069.9	1172.4	1318.3	1451.5	1550.6	1554.9
40°	741.1	744.7	770.3	797.8	845.6	921.4	1013.7	1142.6	1302.2	1440.6	1498.3
42.5°	661.0	668.9	679.8	706.2	744.2	801.2	887.2	993.7	1140.0	1299.2	1412.1
45°	567.9	577.0	583.8	601.3	628.4	666.7	726.6	824.0	935.3	1099.8	1251.7
47.5°	506.4	507.2	512.2	525.5	543.9	572.7	615.0	677.6	779.8	913.2	1069.2
50°	462.4	469.7	471.5	481.8	496.3	517.5	552.6	605.8	689.7	806.8	950.2
52.5°	431.4	433.6	438.7	446.2	458.7	475.3	505.8	547.4	613.2	713.1	844.9
55°	385.8	385.8	390.8	396.7	403.9	418.7	439.0	469.7	519.7	597.3	706.4
57.5°	343.6	345.9	349.4	351.2	357.3	367.2	384.1	407.4	444.7	504.4	591.1
60°	315.6	319.6	319.2	322.7	328.1	335.8	350.3	369.2	402.5	450.3	523.3
62.5°	291.0	290.8	290.7	295.0	300.4	307.7	317.0	333.5	361.8	404.2	466.3
65°	250.6	249.7	252.9	255.5	257.4	262.8	270.0	284.4	303.3	334.9	383.1
67.5°	214.7	212.2	213.9	214.7	217.8	222.1	228.8	237.7	252.8	278.1	314.4
70°	190.2	188.0	187.5	188.4	191.1	194.2	199.2	207.8	221.8	242.0	268.6
72.5°	165.0	163.4	163.3	165.3	166.6	168.7	172.2	180.0	191.1	206.4	231.2
75°	128.9	128.9	128.9	129.3	130.7	132.5	135.3	139.3	147.8	158.7	175.3
77.5°	96.6	96.5	96.0	95.9	97.9	98.8	99.4	103.1	107.9	115.2	127.3
80°	75.8	73.4	74.4	75.8	76.6	77.1	78.4	79.3	83.4	87.5	96.0
82.5°	56.2	54.3	54.5	56.7	56.8	57.3	58.6	59.8	61.4	65.1	69.7
85°	29.8	29.8	30.2	30.2	30.7	30.2	31.5	32.0	32.0	34.3	36.9
87.5°	18.5	17.7	17.9	18.2	17.7	17.9	18.1	18.2	18.3	18.4	18.1
90°	38.6	38.1	37.5	36.9	36.3	35.5	34.4	33.1	32.0	30.9	27.2
92.5°	42.7	42.4	42.0	41.7	41.3	40.3	38.5	36.6	34.8	33.0	30.1
95°	48.9	48.9	48.9	48.9	48.9	47.9	45.9	43.9	41.9	39.9	36.8
97.5°	53.0	52.8	52.4	52.2	51.9	50.6	48.3	46.1	43.7	41.4	62.1
100°	54.1	53.8	53.5	53.2	53.0	51.7	49.3	47.0	44.8	42.4	87.1
102.5°	55.1	54.6	54.1	53.6	53.0	56.3	63.5	70.5	77.6	84.7	133.5
105°	56.7	56.1	55.5	54.9	54.3	79.4	130.0	180.6	231.3	281.9	307.6
107.5°	177.9	216.0	254.2	292.4	330.5	368.2	405.3	442.4	479.6	516.7	512.6
110°	354.0	394.9	435.8	476.6	517.5	542.8	552.2	561.6	571.1	580.5	577.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	607.3	616.0	624.6	633.2	641.9	646.1	645.9	645.8	645.6	645.4	642.2
115°	756.9	755.7	754.6	753.5	752.3	750.3	747.4	744.6	741.7	738.8	736.2
117.5°	840.8	840.6	840.3	840.1	839.9	838.6	836.3	834.1	831.7	829.5	828.1
120°	898.5	898.5	898.5	898.5	898.5	897.3	895.0	892.8	890.4	888.1	887.3
122.5°	955.1	954.8	954.6	954.4	954.2	953.3	951.7	950.0	948.5	946.8	945.7
125°	1034.9	1034.3	1033.7	1033.2	1032.6	1032.0	1031.5	1030.9	1030.4	1029.8	1028.6
127.5°	1111.6	1112.2	1112.8	1113.4	1113.9	1113.7	1112.8	1111.9	1110.9	1110.1	1108.7
130°	1161.1	1161.6	1162.2	1162.8	1163.3	1163.0	1161.9	1160.7	1159.6	1158.5	1157.4
132.5°	1206.3	1207.1	1208.0	1208.8	1209.5	1209.4	1208.2	1207.1	1205.9	1204.8	1203.9
135°	1275.6	1276.4	1277.3	1278.2	1279.0	1279.0	1278.2	1277.3	1276.4	1275.6	1274.5
137.5°	1340.7	1341.3	1341.9	1342.5	1343.0	1342.6	1341.3	1339.9	1338.5	1337.1	1336.5
140°	1379.8	1380.4	1381.0	1381.6	1382.2	1381.8	1380.7	1379.6	1378.5	1377.3	1376.4
142.5°	1415.9	1416.7	1417.5	1418.3	1419.1	1419.0	1418.2	1417.2	1416.3	1415.4	1414.5
145°	1471.3	1471.3	1471.3	1471.3	1471.3	1470.9	1470.4	1469.8	1469.2	1468.7	1468.1
147.5°	1512.4	1513.7	1515.1	1516.4	1517.7	1518.1	1517.5	1516.9	1516.4	1515.8	1515.2
150°	1543.3	1544.2	1545.1	1545.9	1546.8	1546.9	1546.4	1545.8	1545.2	1544.6	1544.0
152.5°	1568.1	1569.3	1570.6	1572.0	1573.3	1573.5	1572.4	1571.4	1570.4	1569.3	1569.0
155°	1602.6	1604.2	1605.9	1607.7	1609.4	1609.6	1608.1	1606.7	1605.2	1603.8	1603.5
157.5°	1631.6	1633.8	1636.1	1638.3	1640.5	1640.8	1639.1	1637.4	1635.6	1633.9	1634.3
160°	1650.2	1652.2	1654.2	1656.1	1658.2	1658.3	1656.6	1654.9	1653.2	1651.5	1651.7
162.5°	1667.7	1669.5	1671.2	1673.0	1674.7	1674.6	1672.8	1670.8	1668.9	1666.9	1667.2
165°	1688.8	1690.7	1692.8	1694.8	1696.8	1696.7	1694.4	1692.0	1689.8	1687.5	1687.8
167.5°	1704.0	1706.2	1708.6	1710.8	1713.1	1713.1	1710.8	1708.6	1706.2	1704.0	1704.0
170°	1713.2	1715.5	1717.8	1720.1	1722.4	1722.4	1720.1	1717.8	1715.5	1713.2	1713.2
172.5°	1718.4	1720.9	1723.5	1726.0	1728.5	1728.5	1726.3	1724.0	1721.7	1719.4	1719.2
175°	1726.1	1728.4	1730.7	1732.9	1735.3	1735.4	1733.4	1731.4	1729.4	1727.4	1727.1
177.5°	1728.5	1730.7	1733.0	1735.3	1737.6	1737.8	1735.9	1734.1	1732.3	1730.5	1730.3
180°	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	959.2	956.3	953.4	948.4	944.1	937.9	936.1	933.9	927.5	921.7	917.4
5°	1017.8	1006.9	991.2	976.8	965.1	949.3	940.3	930.8	917.3	905.1	895.2
7.5°	1079.1	1057.8	1033.3	1006.8	982.1	958.3	939.1	922.0	903.0	885.1	871.2
10°	1127.7	1097.1	1062.9	1025.9	994.4	963.7	938.0	915.5	891.1	870.0	852.4
12.5°	1183.3	1137.9	1090.6	1045.8	1008.4	965.9	934.8	906.1	878.5	853.0	833.3
15°	1249.1	1191.4	1135.4	1073.7	1016.9	963.7	926.8	890.7	858.7	832.5	807.3
17.5°	1308.9	1243.5	1169.8	1094.8	1026.2	963.2	911.5	870.6	830.6	798.7	773.5
20°	1342.8	1268.4	1185.0	1107.1	1031.3	961.0	904.2	855.5	812.3	778.4	750.0
22.5°	1372.0	1285.0	1198.7	1115.3	1031.0	955.2	890.9	840.8	793.8	760.8	730.6
25°	1402.3	1298.1	1211.6	1113.8	1019.6	941.2	869.0	812.3	765.3	726.6	695.5
27.5°	1428.2	1297.3	1194.6	1089.3	1001.8	923.2	846.1	785.2	735.5	693.4	661.8
30°	1445.5	1299.1	1176.9	1072.8	984.5	903.3	828.5	767.2	714.9	672.1	642.3
32.5°	1456.4	1298.0	1160.7	1049.7	957.0	885.3	809.3	745.9	692.2	650.1	621.4
35°	1462.7	1290.0	1132.7	1002.0	912.7	842.9	779.4	713.5	657.2	617.9	585.6
37.5°	1450.1	1273.3	1100.3	956.1	858.3	789.5	736.1	680.0	626.1	582.9	555.0
40°	1430.2	1262.6	1075.0	923.6	820.8	754.6	709.0	654.0	600.8	559.8	533.6
42.5°	1392.3	1240.5	1047.2	887.5	781.9	715.6	673.7	627.8	577.4	538.9	512.8
45°	1299.9	1192.7	1005.6	833.4	724.4	655.8	618.9	585.6	540.0	502.6	480.0
47.5°	1171.7	1120.7	945.4	776.4	664.3	598.4	560.0	533.1	499.9	469.7	448.1
50°	1082.7	1061.5	904.7	737.4	624.3	559.8	522.9	498.5	474.7	444.4	424.6
52.5°	979.9	993.0	857.0	697.1	583.5	520.1	485.3	466.1	444.4	419.6	402.3
55°	835.3	882.5	774.8	629.2	522.9	462.4	429.6	412.4	399.8	381.3	366.4
57.5°	699.7	760.0	686.0	559.4	463.3	411.2	379.6	360.9	352.8	343.2	331.5
60°	619.3	678.8	622.5	512.5	423.3	373.7	345.7	329.9	321.8	315.0	305.1
62.5°	547.6	607.8	560.4	464.9	383.9	337.9	313.7	298.3	291.9	288.3	279.9
65°	448.9	500.8	469.2	390.8	327.7	287.1	265.0	254.3	248.4	247.0	241.6
67.5°	365.4	404.8	381.9	324.2	274.5	239.4	220.7	211.5	207.0	206.6	202.5
70°	310.6	347.5	329.9	277.7	234.9	207.3	191.1	183.0	180.3	179.9	177.6
72.5°	268.0	293.8	279.8	236.2	203.1	178.1	166.3	157.7	154.7	155.3	153.8
75°	198.3	217.7	209.6	179.4	152.8	136.6	126.7	121.2	118.6	119.9	118.1
77.5°	142.7	155.0	147.7	126.7	110.4	98.6	91.4	88.0	85.6	85.5	84.6
80°	107.7	114.9	110.9	98.2	84.7	74.8	69.0	66.7	65.3	64.9	64.5
82.5°	76.7	82.8	78.1	69.4	60.2	54.2	51.0	48.0	47.0	47.3	46.8
85°	38.7	41.0	39.2	33.8	30.2	27.5	25.7	24.4	23.4	23.8	23.0
87.5°	18.0	17.7	15.8	13.7	12.4	10.8	10.2	9.0	8.8	9.3	9.6
90°	23.4	19.7	16.0	12.7	9.9	7.0	4.1	1.3	4.1	7.0	9.9
92.5°	27.4	24.5	21.7	20.8	21.5	22.3	23.2	23.9	23.2	22.3	21.5
95°	33.6	30.5	27.3	31.6	43.3	55.1	66.8	78.5	66.8	55.1	43.3
97.5°	82.7	103.2	123.8	136.7	142.0	147.3	152.6	157.8	152.6	147.3	142.0
100°	131.7	176.3	220.9	240.4	234.7	228.9	223.3	217.6	223.3	228.9	234.7
102.5°	182.2	230.9	279.7	302.0	297.8	293.8	289.6	285.5	289.6	293.8	297.8
105°	333.4	359.1	384.9	396.1	393.0	389.9	386.8	383.6	386.8	389.9	393.0
107.5°	508.6	504.5	500.4	497.1	494.6	492.1	489.6	487.1	489.6	492.1	494.6
110°	574.2	571.1	567.9	565.2	562.9	560.6	558.4	556.0	558.4	560.6	562.9



TEST NUMBER: P332174-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	639.1	635.9	632.8	630.2	628.2	626.1	624.1	622.0	624.1	626.1	628.2
115°	733.7	731.2	728.6	726.4	724.7	723.0	721.3	719.5	721.3	723.0	724.7
117.5°	826.8	825.5	824.2	822.5	820.4	818.2	816.1	814.0	816.1	818.2	820.4
120°	886.4	885.5	884.8	883.0	880.5	877.9	875.3	872.7	875.3	877.9	880.5
122.5°	944.7	943.6	942.5	940.9	938.7	936.7	934.5	932.5	934.5	936.7	938.7
125°	1027.4	1026.3	1025.2	1023.5	1021.1	1018.9	1016.6	1014.3	1016.6	1018.9	1021.1
127.5°	1107.3	1106.0	1104.6	1102.8	1100.4	1098.2	1095.9	1093.6	1095.9	1098.2	1100.4
130°	1156.2	1155.0	1153.9	1152.2	1149.9	1147.6	1145.3	1143.0	1145.3	1147.6	1149.9
132.5°	1203.0	1202.0	1201.2	1199.5	1197.2	1195.0	1192.7	1190.4	1192.7	1195.0	1197.2
135°	1273.3	1272.1	1271.0	1269.6	1267.9	1266.2	1264.5	1262.7	1264.5	1266.2	1267.9
137.5°	1335.8	1335.2	1334.6	1333.2	1331.0	1328.9	1326.7	1324.5	1326.7	1328.9	1331.0
140°	1375.5	1374.7	1373.8	1372.6	1370.9	1369.2	1367.4	1365.7	1367.4	1369.2	1370.9
142.5°	1413.7	1412.8	1412.0	1410.7	1408.9	1407.2	1405.5	1403.8	1405.5	1407.2	1408.9
145°	1467.5	1467.0	1466.4	1465.1	1463.1	1461.1	1459.1	1457.1	1459.1	1461.1	1463.1
147.5°	1514.7	1514.1	1513.5	1512.5	1511.2	1509.9	1508.6	1507.3	1508.6	1509.9	1511.2
150°	1543.5	1542.9	1542.3	1541.6	1540.8	1539.9	1539.0	1538.2	1539.0	1539.9	1540.8
152.5°	1568.7	1568.3	1568.0	1567.6	1567.2	1566.8	1566.4	1566.0	1566.4	1566.8	1567.2
155°	1603.3	1603.0	1602.7	1602.8	1603.4	1604.0	1604.6	1605.1	1604.6	1604.0	1603.4
157.5°	1634.5	1634.8	1635.1	1635.3	1635.3	1635.4	1635.5	1635.5	1635.5	1635.4	1635.3
160°	1652.0	1652.3	1652.6	1652.9	1653.2	1653.5	1653.7	1654.1	1653.7	1653.5	1653.2
162.5°	1667.5	1667.8	1668.0	1668.5	1669.3	1670.1	1670.8	1671.5	1670.8	1670.1	1669.3
165°	1688.1	1688.3	1688.7	1689.2	1690.1	1690.9	1691.8	1692.6	1691.8	1690.9	1690.1
167.5°	1704.0	1704.0	1704.0	1704.5	1705.7	1706.8	1708.0	1709.1	1708.0	1706.8	1705.7
170°	1713.2	1713.2	1713.2	1713.8	1714.9	1716.1	1717.3	1718.4	1717.3	1716.1	1714.9
172.5°	1719.0	1718.7	1718.5	1719.1	1720.5	1721.8	1723.2	1724.6	1723.2	1721.8	1720.5
175°	1726.8	1726.6	1726.2	1726.8	1728.3	1729.7	1731.1	1732.5	1731.1	1729.7	1728.3
177.5°	1730.0	1729.8	1729.6	1730.0	1731.2	1732.3	1733.5	1734.6	1733.5	1732.3	1731.2
180°	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5



TEST NUMBER: P332174-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	914.8	912.3	908.7	903.3	899.0	892.1	892.1	893.2	893.2	892.9	892.1
5°	887.1	880.3	872.2	862.7	852.8	842.9	841.1	837.5	834.8	833.0	830.7
7.5°	857.8	845.8	834.0	820.7	808.7	798.7	791.7	785.9	782.2	778.3	775.4
10°	837.9	823.0	809.1	795.1	779.8	767.7	760.0	754.6	750.5	746.9	745.1
12.5°	814.5	797.5	782.0	768.8	752.0	739.5	732.2	729.7	724.9	717.3	713.3
15°	780.2	764.5	746.0	725.7	717.6	702.2	693.7	689.7	686.9	681.1	679.2
17.5°	751.0	730.3	709.6	694.4	679.3	666.9	662.1	657.1	653.5	648.7	647.3
20°	727.5	709.0	690.1	673.9	658.1	644.5	640.5	636.9	633.3	631.0	629.2
22.5°	703.7	685.3	669.5	654.4	637.6	628.7	624.3	620.4	617.8	616.3	614.5
25°	670.3	654.0	636.5	622.9	609.4	603.6	600.8	598.6	596.8	594.5	594.1
27.5°	640.3	622.7	608.4	595.8	586.1	581.2	578.6	577.5	577.9	578.7	579.2
30°	617.9	601.8	590.0	579.2	570.2	565.7	565.2	565.2	567.1	567.5	568.4
32.5°	597.4	584.1	572.4	561.9	555.1	552.0	553.7	553.7	555.2	556.3	557.9
35°	567.5	555.8	546.7	537.8	531.9	533.2	534.2	535.0	537.3	540.0	541.8
37.5°	538.9	528.7	519.4	512.3	509.6	512.0	514.2	516.1	518.8	520.8	522.6
40°	518.3	510.7	501.7	495.3	496.3	497.7	499.5	501.7	503.9	505.3	507.1
42.5°	499.2	491.2	484.4	479.1	480.4	482.2	483.2	484.4	487.0	489.4	490.5
45°	470.1	463.8	457.5	454.3	455.3	456.2	457.0	458.4	460.6	462.4	463.0
47.5°	437.4	433.0	428.8	425.7	427.1	426.8	427.9	430.8	431.5	432.7	435.1
50°	416.5	412.4	407.5	406.6	406.6	406.6	407.0	410.6	410.6	412.4	414.2
52.5°	393.4	390.8	387.6	386.0	385.3	385.3	387.2	389.0	389.7	392.3	394.1
55°	359.2	356.5	353.9	352.5	351.5	352.5	356.1	357.0	359.2	360.6	362.0
57.5°	323.6	321.6	319.4	318.7	318.5	319.7	321.7	324.3	324.9	329.1	331.1
60°	300.2	297.0	295.2	295.2	294.4	298.4	297.5	302.0	302.9	305.6	308.8
62.5°	276.0	271.8	271.0	271.0	272.3	273.5	274.7	276.7	279.1	282.5	285.0
65°	237.1	234.9	238.0	237.5	236.6	239.4	239.4	241.6	244.3	247.5	252.4
67.5°	200.2	199.1	199.3	199.3	200.7	202.2	203.5	205.4	208.7	212.1	215.2
70°	175.3	176.7	174.4	176.2	177.6	178.1	178.9	181.7	185.3	187.5	191.1
72.5°	151.2	151.1	151.4	152.1	153.4	154.2	155.2	158.3	162.2	164.1	166.9
75°	116.3	115.8	117.2	117.2	119.4	120.4	121.2	122.6	126.2	128.9	131.1
77.5°	84.9	85.5	85.2	86.7	86.1	86.3	89.0	90.4	90.7	96.1	97.3
80°	64.0	64.9	65.3	65.8	66.3	65.3	68.5	69.8	69.8	73.0	75.3
82.5°	46.0	46.5	47.7	48.1	48.2	49.2	49.4	50.4	51.5	52.9	55.8
85°	23.0	24.4	24.8	24.4	24.8	23.8	25.2	25.7	26.2	26.2	26.2
87.5°	9.7	10.8	11.2	12.2	12.7	13.8	13.9	13.5	13.7	15.1	13.8
90°	12.7	16.0	19.7	23.4	27.2	30.9	32.0	33.1	34.4	35.5	36.3
92.5°	20.8	21.7	24.5	27.4	30.1	33.0	34.8	36.6	38.5	40.3	41.3
95°	31.6	27.3	30.5	33.6	36.8	39.9	41.9	43.9	45.9	47.9	48.9
97.5°	136.7	123.8	103.2	82.7	62.1	41.4	43.7	46.1	48.3	50.6	51.9
100°	240.4	220.9	176.3	131.7	87.1	42.4	44.8	47.0	49.3	51.7	53.0
102.5°	302.0	279.7	230.9	182.2	133.5	84.7	77.6	70.5	63.5	56.3	53.0
105°	396.1	384.9	359.1	333.4	307.6	281.9	231.3	180.6	130.0	79.4	54.3
107.5°	497.1	500.4	504.5	508.6	512.6	516.7	479.6	442.4	405.3	368.2	330.5
110°	565.2	567.9	571.1	574.2	577.4	580.5	571.1	561.6	552.2	542.8	517.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	630.2	632.8	635.9	639.1	642.2	645.4	645.6	645.8	645.9	646.1	641.9
115°	726.4	728.6	731.2	733.7	736.2	738.8	741.7	744.6	747.4	750.3	752.3
117.5°	822.5	824.2	825.5	826.8	828.1	829.5	831.7	834.1	836.3	838.6	839.9
120°	883.0	884.8	885.5	886.4	887.3	888.1	890.4	892.8	895.0	897.3	898.5
122.5°	940.9	942.5	943.6	944.7	945.7	946.8	948.5	950.0	951.7	953.3	954.2
125°	1023.5	1025.2	1026.3	1027.4	1028.6	1029.8	1030.4	1030.9	1031.5	1032.0	1032.6
127.5°	1102.8	1104.6	1106.0	1107.3	1108.7	1110.1	1110.9	1111.9	1112.8	1113.7	1113.9
130°	1152.2	1153.9	1155.0	1156.2	1157.4	1158.5	1159.6	1160.7	1161.9	1163.0	1163.3
132.5°	1199.5	1201.2	1202.0	1203.0	1203.9	1204.8	1205.9	1207.1	1208.2	1209.4	1209.5
135°	1269.6	1271.0	1272.1	1273.3	1274.5	1275.6	1276.4	1277.3	1278.2	1279.0	1279.0
137.5°	1333.2	1334.6	1335.2	1335.8	1336.5	1337.1	1338.5	1339.9	1341.3	1342.6	1343.0
140°	1372.6	1373.8	1374.7	1375.5	1376.4	1377.3	1378.5	1379.6	1380.7	1381.8	1382.2
142.5°	1410.7	1412.0	1412.8	1413.7	1414.5	1415.4	1416.3	1417.2	1418.2	1419.0	1419.1
145°	1465.1	1466.4	1467.0	1467.5	1468.1	1468.7	1469.2	1469.8	1470.4	1470.9	1471.3
147.5°	1512.5	1513.5	1514.1	1514.7	1515.2	1515.8	1516.4	1516.9	1517.5	1518.1	1517.7
150°	1541.6	1542.3	1542.9	1543.5	1544.0	1544.6	1545.2	1545.8	1546.4	1546.9	1546.8
152.5°	1567.6	1568.0	1568.3	1568.7	1569.0	1569.3	1570.4	1571.4	1572.4	1573.5	1573.3
155°	1602.8	1602.7	1603.0	1603.3	1603.5	1603.8	1605.2	1606.7	1608.1	1609.6	1609.4
157.5°	1635.3	1635.1	1634.8	1634.5	1634.3	1633.9	1635.6	1637.4	1639.1	1640.8	1640.5
160°	1652.9	1652.6	1652.3	1652.0	1651.7	1651.5	1653.2	1654.9	1656.6	1658.3	1658.2
162.5°	1668.5	1668.0	1667.8	1667.5	1667.2	1666.9	1668.9	1670.8	1672.8	1674.6	1674.7
165°	1689.2	1688.7	1688.3	1688.1	1687.8	1687.5	1689.8	1692.0	1694.4	1696.7	1696.8
167.5°	1704.5	1704.0	1704.0	1704.0	1704.0	1704.0	1706.2	1708.6	1710.8	1713.1	1713.1
170°	1713.8	1713.2	1713.2	1713.2	1713.2	1713.2	1715.5	1717.8	1720.1	1722.4	1722.4
172.5°	1719.1	1718.5	1718.7	1719.0	1719.2	1719.4	1721.7	1724.0	1726.3	1728.5	1728.5
175°	1726.8	1726.2	1726.6	1726.8	1727.1	1727.4	1729.4	1731.4	1733.4	1735.4	1735.3
177.5°	1730.0	1729.6	1729.8	1730.0	1730.3	1730.5	1732.3	1734.1	1735.9	1737.8	1737.6
180°	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	889.6	889.2	891.7	889.9	891.7	889.2	889.6	892.1	892.9	893.2	893.2
5°	828.0	829.4	824.8	824.8	824.8	829.4	828.0	830.7	833.0	834.8	837.5
7.5°	773.2	771.2	771.4	769.0	771.4	771.2	773.2	775.4	778.3	782.2	785.9
10°	739.7	737.0	736.1	736.5	736.1	737.0	739.7	745.1	746.9	750.5	754.6
12.5°	711.9	711.4	705.4	705.5	705.4	711.4	711.9	713.3	717.3	724.9	729.7
15°	679.2	670.7	669.8	672.5	669.8	670.7	679.2	679.2	681.1	686.9	689.7
17.5°	646.5	642.0	642.3	640.9	642.3	642.0	646.5	647.3	648.7	653.5	657.1
20°	629.2	626.5	626.1	622.9	626.1	626.5	629.2	629.2	631.0	633.3	636.9
22.5°	613.4	612.5	612.8	609.2	612.8	612.5	613.4	614.5	616.3	617.8	620.4
25°	593.7	595.9	594.1	594.1	594.1	595.9	593.7	594.1	594.5	596.8	598.6
27.5°	580.3	580.2	579.3	579.3	579.3	580.2	580.3	579.2	578.7	577.9	577.5
30°	570.2	569.7	570.7	570.7	570.7	569.7	570.2	568.4	567.5	567.1	565.2
32.5°	560.1	560.8	560.9	561.3	560.9	560.8	560.1	557.9	556.3	555.2	553.7
35°	544.5	544.9	546.3	545.4	546.3	544.9	544.5	541.8	540.0	537.3	535.0
37.5°	523.4	525.5	525.0	525.7	525.0	525.5	523.4	522.6	520.8	518.8	516.1
40°	507.6	508.9	508.4	508.4	508.4	508.9	507.6	507.1	505.3	503.9	501.7
42.5°	491.3	492.3	491.1	490.4	491.1	492.3	491.3	490.5	489.4	487.0	484.4
45°	464.7	463.8	465.2	463.4	465.2	463.8	464.7	463.0	462.4	460.6	458.4
47.5°	435.0	435.8	436.3	437.6	436.3	435.8	435.0	435.1	432.7	431.5	430.8
50°	415.2	417.8	417.8	417.4	417.8	417.8	415.2	414.2	412.4	410.6	410.6
52.5°	395.6	396.9	398.7	398.6	398.7	396.9	395.6	394.1	392.3	389.7	389.0
55°	365.6	366.4	367.4	367.8	367.4	366.4	365.6	362.0	360.6	359.2	357.0
57.5°	334.3	334.0	336.1	336.8	336.1	334.0	334.3	331.1	329.1	324.9	324.3
60°	312.4	312.4	316.0	317.4	316.0	312.4	312.4	308.8	305.6	302.9	302.0
62.5°	289.0	290.4	293.9	292.1	293.9	290.4	289.0	285.0	282.5	279.1	276.7
65°	254.7	258.3	257.9	259.6	257.9	258.3	254.7	252.4	247.5	244.3	241.6
67.5°	218.9	221.1	224.4	224.6	224.4	221.1	218.9	215.2	212.1	208.7	205.4
70°	194.8	197.0	198.8	200.1	198.8	197.0	194.8	191.1	187.5	185.3	181.7
72.5°	171.3	172.5	176.8	174.9	176.8	172.5	171.3	166.9	164.1	162.2	158.3
75°	134.3	137.5	140.2	138.8	140.2	137.5	134.3	131.1	128.9	126.2	122.6
77.5°	99.4	102.5	103.8	102.6	103.8	102.5	99.4	97.3	96.1	90.7	90.4
80°	78.4	78.0	80.7	80.2	80.7	78.0	78.4	75.3	73.0	69.8	69.8
82.5°	57.5	57.1	58.3	58.6	58.3	57.1	57.5	55.8	52.9	51.5	50.4
85°	28.0	29.3	27.5	27.0	27.5	29.3	28.0	26.2	26.2	26.2	25.7
87.5°	13.9	13.9	13.8	13.5	13.8	13.9	13.9	13.8	15.1	13.7	13.5
90°	36.9	37.5	38.1	38.6	38.1	37.5	36.9	36.3	35.5	34.4	33.1
92.5°	41.7	42.0	42.4	42.7	42.4	42.0	41.7	41.3	40.3	38.5	36.6
95°	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	47.9	45.9	43.9
97.5°	52.2	52.4	52.8	53.0	52.8	52.4	52.2	51.9	50.6	48.3	46.1
100°	53.2	53.5	53.8	54.1	53.8	53.5	53.2	53.0	51.7	49.3	47.0
102.5°	53.6	54.1	54.6	55.1	54.6	54.1	53.6	53.0	56.3	63.5	70.5
105°	54.9	55.5	56.1	56.7	56.1	55.5	54.9	54.3	79.4	130.0	180.6
107.5°	292.4	254.2	216.0	177.9	216.0	254.2	292.4	330.5	368.2	405.3	442.4
110°	476.6	435.8	394.9	354.0	394.9	435.8	476.6	517.5	542.8	552.2	561.6



TEST NUMBER: P332174-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	633.2	624.6	616.0	607.3	616.0	624.6	633.2	641.9	646.1	645.9	645.8
115°	753.5	754.6	755.7	756.9	755.7	754.6	753.5	752.3	750.3	747.4	744.6
117.5°	840.1	840.3	840.6	840.8	840.6	840.3	840.1	839.9	838.6	836.3	834.1
120°	898.5	898.5	898.5	898.5	898.5	898.5	898.5	898.5	897.3	895.0	892.8
122.5°	954.4	954.6	954.8	955.1	954.8	954.6	954.4	954.2	953.3	951.7	950.0
125°	1033.2	1033.7	1034.3	1034.9	1034.3	1033.7	1033.2	1032.6	1032.0	1031.5	1030.9
127.5°	1113.4	1112.8	1112.2	1111.6	1112.2	1112.8	1113.4	1113.9	1113.7	1112.8	1111.9
130°	1162.8	1162.2	1161.6	1161.1	1161.6	1162.2	1162.8	1163.3	1163.0	1161.9	1160.7
132.5°	1208.8	1208.0	1207.1	1206.3	1207.1	1208.0	1208.8	1209.5	1209.4	1208.2	1207.1
135°	1278.2	1277.3	1276.4	1275.6	1276.4	1277.3	1278.2	1279.0	1279.0	1278.2	1277.3
137.5°	1342.5	1341.9	1341.3	1340.7	1341.3	1341.9	1342.5	1343.0	1342.6	1341.3	1339.9
140°	1381.6	1381.0	1380.4	1379.8	1380.4	1381.0	1381.6	1382.2	1381.8	1380.7	1379.6
142.5°	1418.3	1417.5	1416.7	1415.9	1416.7	1417.5	1418.3	1419.1	1419.0	1418.2	1417.2
145°	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1471.3	1470.9	1470.4	1469.8
147.5°	1516.4	1515.1	1513.7	1512.4	1513.7	1515.1	1516.4	1517.7	1518.1	1517.5	1516.9
150°	1545.9	1545.1	1544.2	1543.3	1544.2	1545.1	1545.9	1546.8	1546.9	1546.4	1545.8
152.5°	1572.0	1570.6	1569.3	1568.1	1569.3	1570.6	1572.0	1573.3	1573.5	1572.4	1571.4
155°	1607.7	1605.9	1604.2	1602.6	1604.2	1605.9	1607.7	1609.4	1609.6	1608.1	1606.7
157.5°	1638.3	1636.1	1633.8	1631.6	1633.8	1636.1	1638.3	1640.5	1640.8	1639.1	1637.4
160°	1656.1	1654.2	1652.2	1650.2	1652.2	1654.2	1656.1	1658.2	1658.3	1656.6	1654.9
162.5°	1673.0	1671.2	1669.5	1667.7	1669.5	1671.2	1673.0	1674.7	1674.6	1672.8	1670.8
165°	1694.8	1692.8	1690.7	1688.8	1690.7	1692.8	1694.8	1696.8	1696.7	1694.4	1692.0
167.5°	1710.8	1708.6	1706.2	1704.0	1706.2	1708.6	1710.8	1713.1	1713.1	1710.8	1708.6
170°	1720.1	1717.8	1715.5	1713.2	1715.5	1717.8	1720.1	1722.4	1722.4	1720.1	1717.8
172.5°	1726.0	1723.5	1720.9	1718.4	1720.9	1723.5	1726.0	1728.5	1728.5	1726.3	1724.0
175°	1732.9	1730.7	1728.4	1726.1	1728.4	1730.7	1732.9	1735.3	1735.4	1733.4	1731.4
177.5°	1735.3	1733.0	1730.7	1728.5	1730.7	1733.0	1735.3	1737.6	1737.8	1735.9	1734.1
180°	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5



TEST NUMBER: P332174-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	892.1	892.1	899.0	903.3	908.7	912.3	914.8	917.4	921.7	927.5	933.9
5°	841.1	842.9	852.8	862.7	872.2	880.3	887.1	895.2	905.1	917.3	930.8
7.5°	791.7	798.7	808.7	820.7	834.0	845.8	857.8	871.2	885.1	903.0	922.0
10°	760.0	767.7	779.8	795.1	809.1	823.0	837.9	852.4	870.0	891.1	915.5
12.5°	732.2	739.5	752.0	768.8	782.0	797.5	814.5	833.3	853.0	878.5	906.1
15°	693.7	702.2	717.6	725.7	746.0	764.5	780.2	807.3	832.5	858.7	890.7
17.5°	662.1	666.9	679.3	694.4	709.6	730.3	751.0	773.5	798.7	830.6	870.6
20°	640.5	644.5	658.1	673.9	690.1	709.0	727.5	750.0	778.4	812.3	855.5
22.5°	624.3	628.7	637.6	654.4	669.5	685.3	703.7	730.6	760.8	793.8	840.8
25°	600.8	603.6	609.4	622.9	636.5	654.0	670.3	695.5	726.6	765.3	812.3
27.5°	578.6	581.2	586.1	595.8	608.4	622.7	640.3	661.8	693.4	735.5	785.2
30°	565.2	565.7	570.2	579.2	590.0	601.8	617.9	642.3	672.1	714.9	767.2
32.5°	553.7	552.0	555.1	561.9	572.4	584.1	597.4	621.4	650.1	692.2	745.9
35°	534.2	533.2	531.9	537.8	546.7	555.8	567.5	585.6	617.9	657.2	713.5
37.5°	514.2	512.0	509.6	512.3	519.4	528.7	538.9	555.0	582.9	626.1	680.0
40°	499.5	497.7	496.3	495.3	501.7	510.7	518.3	533.6	559.8	600.8	654.0
42.5°	483.2	482.2	480.4	479.1	484.4	491.2	499.2	512.8	538.9	577.4	627.8
45°	457.0	456.2	455.3	454.3	457.5	463.8	470.1	480.0	502.6	540.0	585.6
47.5°	427.9	426.8	427.1	425.7	428.8	433.0	437.4	448.1	469.7	499.9	533.1
50°	407.0	406.6	406.6	406.6	407.5	412.4	416.5	424.6	444.4	474.7	498.5
52.5°	387.2	385.3	385.3	386.0	387.6	390.8	393.4	402.3	419.6	444.4	466.1
55°	356.1	352.5	351.5	352.5	353.9	356.5	359.2	366.4	381.3	399.8	412.4
57.5°	321.7	319.7	318.5	318.7	319.4	321.6	323.6	331.5	343.2	352.8	360.9
60°	297.5	298.4	294.4	295.2	295.2	297.0	300.2	305.1	315.0	321.8	329.9
62.5°	274.7	273.5	272.3	271.0	271.0	271.8	276.0	279.9	288.3	291.9	298.3
65°	239.4	239.4	236.6	237.5	238.0	234.9	237.1	241.6	247.0	248.4	254.3
67.5°	203.5	202.2	200.7	199.3	199.3	199.1	200.2	202.5	206.6	207.0	211.5
70°	178.9	178.1	177.6	176.2	174.4	176.7	175.3	177.6	179.9	180.3	183.0
72.5°	155.2	154.2	153.4	152.1	151.4	151.1	151.2	153.8	155.3	154.7	157.7
75°	121.2	120.4	119.4	117.2	117.2	115.8	116.3	118.1	119.9	118.6	121.2
77.5°	89.0	86.3	86.1	86.7	85.2	85.5	84.9	84.6	85.5	85.6	88.0
80°	68.5	65.3	66.3	65.8	65.3	64.9	64.0	64.5	64.9	65.3	66.7
82.5°	49.4	49.2	48.2	48.1	47.7	46.5	46.0	46.8	47.3	47.0	48.0
85°	25.2	23.8	24.8	24.4	24.8	24.4	23.0	23.0	23.8	23.4	24.4
87.5°	13.9	13.8	12.7	12.2	11.2	10.8	9.7	9.6	9.3	8.8	9.0
90°	32.0	30.9	27.2	23.4	19.7	16.0	12.7	9.9	7.0	4.1	1.3
92.5°	34.8	33.0	30.1	27.4	24.5	21.7	20.8	21.5	22.3	23.2	23.9
95°	41.9	39.9	36.8	33.6	30.5	27.3	31.6	43.3	55.1	66.8	78.5
97.5°	43.7	41.4	62.1	82.7	103.2	123.8	136.7	142.0	147.3	152.6	157.8
100°	44.8	42.4	87.1	131.7	176.3	220.9	240.4	234.7	228.9	223.3	217.6
102.5°	77.6	84.7	133.5	182.2	230.9	279.7	302.0	297.8	293.8	289.6	285.5
105°	231.3	281.9	307.6	333.4	359.1	384.9	396.1	393.0	389.9	386.8	383.6
107.5°	479.6	516.7	512.6	508.6	504.5	500.4	497.1	494.6	492.1	489.6	487.1
110°	571.1	580.5	577.4	574.2	571.1	567.9	565.2	562.9	560.6	558.4	556.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	645.6	645.4	642.2	639.1	635.9	632.8	630.2	628.2	626.1	624.1	622.0
115°	741.7	738.8	736.2	733.7	731.2	728.6	726.4	724.7	723.0	721.3	719.5
117.5°	831.7	829.5	828.1	826.8	825.5	824.2	822.5	820.4	818.2	816.1	814.0
120°	890.4	888.1	887.3	886.4	885.5	884.8	883.0	880.5	877.9	875.3	872.7
122.5°	948.5	946.8	945.7	944.7	943.6	942.5	940.9	938.7	936.7	934.5	932.5
125°	1030.4	1029.8	1028.6	1027.4	1026.3	1025.2	1023.5	1021.1	1018.9	1016.6	1014.3
127.5°	1110.9	1110.1	1108.7	1107.3	1106.0	1104.6	1102.8	1100.4	1098.2	1095.9	1093.6
130°	1159.6	1158.5	1157.4	1156.2	1155.0	1153.9	1152.2	1149.9	1147.6	1145.3	1143.0
132.5°	1205.9	1204.8	1203.9	1203.0	1202.0	1201.2	1199.5	1197.2	1195.0	1192.7	1190.4
135°	1276.4	1275.6	1274.5	1273.3	1272.1	1271.0	1269.6	1267.9	1266.2	1264.5	1262.7
137.5°	1338.5	1337.1	1336.5	1335.8	1335.2	1334.6	1333.2	1331.0	1328.9	1326.7	1324.5
140°	1378.5	1377.3	1376.4	1375.5	1374.7	1373.8	1372.6	1370.9	1369.2	1367.4	1365.7
142.5°	1416.3	1415.4	1414.5	1413.7	1412.8	1412.0	1410.7	1408.9	1407.2	1405.5	1403.8
145°	1469.2	1468.7	1468.1	1467.5	1467.0	1466.4	1465.1	1463.1	1461.1	1459.1	1457.1
147.5°	1516.4	1515.8	1515.2	1514.7	1514.1	1513.5	1512.5	1511.2	1509.9	1508.6	1507.3
150°	1545.2	1544.6	1544.0	1543.5	1542.9	1542.3	1541.6	1540.8	1539.9	1539.0	1538.2
152.5°	1570.4	1569.3	1569.0	1568.7	1568.3	1568.0	1567.6	1567.2	1566.8	1566.4	1566.0
155°	1605.2	1603.8	1603.5	1603.3	1603.0	1602.7	1602.8	1603.4	1604.0	1604.6	1605.1
157.5°	1635.6	1633.9	1634.3	1634.5	1634.8	1635.1	1635.3	1635.3	1635.4	1635.5	1635.5
160°	1653.2	1651.5	1651.7	1652.0	1652.3	1652.6	1652.9	1653.2	1653.5	1653.7	1654.1
162.5°	1668.9	1666.9	1667.2	1667.5	1667.8	1668.0	1668.5	1669.3	1670.1	1670.8	1671.5
165°	1689.8	1687.5	1687.8	1688.1	1688.3	1688.7	1689.2	1690.1	1690.9	1691.8	1692.6
167.5°	1706.2	1704.0	1704.0	1704.0	1704.0	1704.0	1704.5	1705.7	1706.8	1708.0	1709.1
170°	1715.5	1713.2	1713.2	1713.2	1713.2	1713.2	1713.8	1714.9	1716.1	1717.3	1718.4
172.5°	1721.7	1719.4	1719.2	1719.0	1718.7	1718.5	1719.1	1720.5	1721.8	1723.2	1724.6
175°	1729.4	1727.4	1727.1	1726.8	1726.6	1726.2	1726.8	1728.3	1729.7	1731.1	1732.5
177.5°	1732.3	1730.5	1730.3	1730.0	1729.8	1729.6	1730.0	1731.2	1732.3	1733.5	1734.6
180°	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	936.1	937.9	944.1	948.4	953.4	956.3	959.2	961.4	964.2	964.9	975.4
5°	940.3	949.3	965.1	976.8	991.2	1006.9	1017.8	1022.8	1035.8	1046.6	1068.2
7.5°	939.1	958.3	982.1	1006.8	1033.3	1057.8	1079.1	1104.3	1122.3	1149.3	1175.8
10°	938.0	963.7	994.4	1025.9	1062.9	1097.1	1127.7	1162.0	1190.4	1227.9	1259.8
12.5°	934.8	965.9	1008.4	1045.8	1090.6	1137.9	1183.3	1227.3	1252.4	1314.7	1344.2
15°	926.8	963.7	1016.9	1073.7	1135.4	1191.4	1249.1	1295.0	1369.3	1423.9	1458.6
17.5°	911.5	963.2	1026.2	1094.8	1169.8	1243.5	1308.9	1378.6	1457.5	1523.5	1593.9
20°	904.2	961.0	1031.3	1107.1	1185.0	1268.4	1342.8	1426.6	1512.7	1577.6	1667.8
22.5°	890.9	955.2	1031.0	1115.3	1198.7	1285.0	1372.0	1456.6	1556.0	1645.5	1731.2
25°	869.0	941.2	1019.6	1113.8	1211.6	1298.1	1402.3	1514.5	1618.2	1733.1	1818.8
27.5°	846.1	923.2	1001.8	1089.3	1194.6	1297.3	1428.2	1555.1	1681.9	1781.1	1844.4
30°	828.5	903.3	984.5	1072.8	1176.9	1299.1	1445.5	1583.9	1707.4	1792.6	1828.2
32.5°	809.3	885.3	957.0	1049.7	1160.7	1298.0	1456.4	1600.9	1708.9	1765.6	1758.7
35°	779.4	842.9	912.7	1002.0	1132.7	1290.0	1462.7	1602.4	1668.7	1656.5	1564.5
37.5°	736.1	789.5	858.3	956.1	1100.3	1273.3	1450.1	1554.9	1550.6	1451.5	1318.3
40°	709.0	754.6	820.8	923.6	1075.0	1262.6	1430.2	1498.3	1440.6	1302.2	1142.6
42.5°	673.7	715.6	781.9	887.5	1047.2	1240.5	1392.3	1412.1	1299.2	1140.0	993.7
45°	618.9	655.8	724.4	833.4	1005.6	1192.7	1299.9	1251.7	1099.8	935.3	824.0
47.5°	560.0	598.4	664.3	776.4	945.4	1120.7	1171.7	1069.2	913.2	779.8	677.6
50°	522.9	559.8	624.3	737.4	904.7	1061.5	1082.7	950.2	806.8	689.7	605.8
52.5°	485.3	520.1	583.5	697.1	857.0	993.0	979.9	844.9	713.1	613.2	547.4
55°	429.6	462.4	522.9	629.2	774.8	882.5	835.3	706.4	597.3	519.7	469.7
57.5°	379.6	411.2	463.3	559.4	686.0	760.0	699.7	591.1	504.4	444.7	407.4
60°	345.7	373.7	423.3	512.5	622.5	678.8	619.3	523.3	450.3	402.5	369.2
62.5°	313.7	337.9	383.9	464.9	560.4	607.8	547.6	466.3	404.2	361.8	333.5
65°	265.0	287.1	327.7	390.8	469.2	500.8	448.9	383.1	334.9	303.3	284.4
67.5°	220.7	239.4	274.5	324.2	381.9	404.8	365.4	314.4	278.1	252.8	237.7
70°	191.1	207.3	234.9	277.7	329.9	347.5	310.6	268.6	242.0	221.8	207.8
72.5°	166.3	178.1	203.1	236.2	279.8	293.8	268.0	231.2	206.4	191.1	180.0
75°	126.7	136.6	152.8	179.4	209.6	217.7	198.3	175.3	158.7	147.8	139.3
77.5°	91.4	98.6	110.4	126.7	147.7	155.0	142.7	127.3	115.2	107.9	103.1
80°	69.0	74.8	84.7	98.2	110.9	114.9	107.7	96.0	87.5	83.4	79.3
82.5°	51.0	54.2	60.2	69.4	78.1	82.8	76.7	69.7	65.1	61.4	59.8
85°	25.7	27.5	30.2	33.8	39.2	41.0	38.7	36.9	34.3	32.0	32.0
87.5°	10.2	10.8	12.4	13.7	15.8	17.7	18.0	18.1	18.4	18.3	18.2
90°	4.1	7.0	9.9	12.7	16.0	19.7	23.4	27.2	30.9	32.0	33.1
92.5°	23.2	22.3	21.5	20.8	21.7	24.5	27.4	30.1	33.0	34.8	36.6
95°	66.8	55.1	43.3	31.6	27.3	30.5	33.6	36.8	39.9	41.9	43.9
97.5°	152.6	147.3	142.0	136.7	123.8	103.2	82.7	62.1	41.4	43.7	46.1
100°	223.3	228.9	234.7	240.4	220.9	176.3	131.7	87.1	42.4	44.8	47.0
102.5°	289.6	293.8	297.8	302.0	279.7	230.9	182.2	133.5	84.7	77.6	70.5
105°	386.8	389.9	393.0	396.1	384.9	359.1	333.4	307.6	281.9	231.3	180.6
107.5°	489.6	492.1	494.6	497.1	500.4	504.5	508.6	512.6	516.7	479.6	442.4
110°	558.4	560.6	562.9	565.2	567.9	571.1	574.2	577.4	580.5	571.1	561.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	624.1	626.1	628.2	630.2	632.8	635.9	639.1	642.2	645.4	645.6	645.8
115°	721.3	723.0	724.7	726.4	728.6	731.2	733.7	736.2	738.8	741.7	744.6
117.5°	816.1	818.2	820.4	822.5	824.2	825.5	826.8	828.1	829.5	831.7	834.1
120°	875.3	877.9	880.5	883.0	884.8	885.5	886.4	887.3	888.1	890.4	892.8
122.5°	934.5	936.7	938.7	940.9	942.5	943.6	944.7	945.7	946.8	948.5	950.0
125°	1016.6	1018.9	1021.1	1023.5	1025.2	1026.3	1027.4	1028.6	1029.8	1030.4	1030.9
127.5°	1095.9	1098.2	1100.4	1102.8	1104.6	1106.0	1107.3	1108.7	1110.1	1110.9	1111.9
130°	1145.3	1147.6	1149.9	1152.2	1153.9	1155.0	1156.2	1157.4	1158.5	1159.6	1160.7
132.5°	1192.7	1195.0	1197.2	1199.5	1201.2	1202.0	1203.0	1203.9	1204.8	1205.9	1207.1
135°	1264.5	1266.2	1267.9	1269.6	1271.0	1272.1	1273.3	1274.5	1275.6	1276.4	1277.3
137.5°	1326.7	1328.9	1331.0	1333.2	1334.6	1335.2	1335.8	1336.5	1337.1	1338.5	1339.9
140°	1367.4	1369.2	1370.9	1372.6	1373.8	1374.7	1375.5	1376.4	1377.3	1378.5	1379.6
142.5°	1405.5	1407.2	1408.9	1410.7	1412.0	1412.8	1413.7	1414.5	1415.4	1416.3	1417.2
145°	1459.1	1461.1	1463.1	1465.1	1466.4	1467.0	1467.5	1468.1	1468.7	1469.2	1469.8
147.5°	1508.6	1509.9	1511.2	1512.5	1513.5	1514.1	1514.7	1515.2	1515.8	1516.4	1516.9
150°	1539.0	1539.9	1540.8	1541.6	1542.3	1542.9	1543.5	1544.0	1544.6	1545.2	1545.8
152.5°	1566.4	1566.8	1567.2	1567.6	1568.0	1568.3	1568.7	1569.0	1569.3	1570.4	1571.4
155°	1604.6	1604.0	1603.4	1602.8	1602.7	1603.0	1603.3	1603.5	1603.8	1605.2	1606.7
157.5°	1635.5	1635.4	1635.3	1635.3	1635.1	1634.8	1634.5	1634.3	1633.9	1635.6	1637.4
160°	1653.7	1653.5	1653.2	1652.9	1652.6	1652.3	1652.0	1651.7	1651.5	1653.2	1654.9
162.5°	1670.8	1670.1	1669.3	1668.5	1668.0	1667.8	1667.5	1667.2	1666.9	1668.9	1670.8
165°	1691.8	1690.9	1690.1	1689.2	1688.7	1688.3	1688.1	1687.8	1687.5	1689.8	1692.0
167.5°	1708.0	1706.8	1705.7	1704.5	1704.0	1704.0	1704.0	1704.0	1704.0	1706.2	1708.6
170°	1717.3	1716.1	1714.9	1713.8	1713.2	1713.2	1713.2	1713.2	1713.2	1715.5	1717.8
172.5°	1723.2	1721.8	1720.5	1719.1	1718.5	1718.7	1719.0	1719.2	1719.4	1721.7	1724.0
175°	1731.1	1729.7	1728.3	1726.8	1726.2	1726.6	1726.8	1727.1	1727.4	1729.4	1731.4
177.5°	1733.5	1732.3	1731.2	1730.0	1729.6	1729.8	1730.0	1730.3	1730.5	1732.3	1734.1
180°	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	979.0	979.4	983.3	986.3	984.8	986.6	987.3
5°	1069.6	1085.9	1094.4	1100.7	1101.2	1101.6	1105.3
7.5°	1198.1	1215.5	1228.2	1247.5	1253.3	1259.8	1257.9
10°	1291.8	1317.5	1339.6	1351.3	1364.0	1382.4	1367.6
12.5°	1379.5	1425.0	1458.6	1476.9	1488.8	1492.5	1485.1
15°	1524.0	1583.5	1615.5	1614.5	1655.2	1672.8	1645.2
17.5°	1656.5	1711.4	1755.4	1778.0	1811.7	1819.2	1815.8
20°	1737.7	1797.6	1831.9	1870.6	1888.2	1903.9	1906.7
22.5°	1807.6	1861.4	1898.2	1930.4	1945.2	1952.7	1957.1
25°	1879.6	1922.0	1944.1	1955.3	1959.4	1958.5	1952.7
27.5°	1874.7	1877.9	1853.6	1829.7	1808.4	1784.3	1776.0
30°	1826.0	1788.1	1720.5	1682.2	1625.8	1581.2	1599.2
32.5°	1698.0	1622.6	1546.7	1462.9	1393.6	1373.9	1354.0
35°	1449.1	1316.6	1239.2	1148.9	1112.9	1076.9	1052.1
37.5°	1172.4	1069.9	977.9	918.9	882.9	860.1	847.7
40°	1013.7	921.4	845.6	797.8	770.3	744.7	741.1
42.5°	887.2	801.2	744.2	706.2	679.8	668.9	661.0
45°	726.6	666.7	628.4	601.3	583.8	577.0	567.9
47.5°	615.0	572.7	543.9	525.5	512.2	507.2	506.4
50°	552.6	517.5	496.3	481.8	471.5	469.7	462.4
52.5°	505.8	475.3	458.7	446.2	438.7	433.6	431.4
55°	439.0	418.7	403.9	396.7	390.8	385.8	385.8
57.5°	384.1	367.2	357.3	351.2	349.4	345.9	343.6
60°	350.3	335.8	328.1	322.7	319.2	319.6	315.6
62.5°	317.0	307.7	300.4	295.0	290.7	290.8	291.0
65°	270.0	262.8	257.4	255.5	252.9	249.7	250.6
67.5°	228.8	222.1	217.8	214.7	213.9	212.2	214.7
70°	199.2	194.2	191.1	188.4	187.5	188.0	190.2
72.5°	172.2	168.7	166.6	165.3	163.3	163.4	165.0
75°	135.3	132.5	130.7	129.3	128.9	128.9	128.9
77.5°	99.4	98.8	97.9	95.9	96.0	96.5	96.6
80°	78.4	77.1	76.6	75.8	74.4	73.4	75.8
82.5°	58.6	57.3	56.8	56.7	54.5	54.3	56.2
85°	31.5	30.2	30.7	30.2	30.2	29.8	29.8
87.5°	18.1	17.9	17.7	18.2	17.9	17.7	18.5
90°	34.4	35.5	36.3	36.9	37.5	38.1	38.6
92.5°	38.5	40.3	41.3	41.7	42.0	42.4	42.7
95°	45.9	47.9	48.9	48.9	48.9	48.9	48.9
97.5°	48.3	50.6	51.9	52.2	52.4	52.8	53.0
100°	49.3	51.7	53.0	53.2	53.5	53.8	54.1
102.5°	63.5	56.3	53.0	53.6	54.1	54.6	55.1
105°	130.0	79.4	54.3	54.9	55.5	56.1	56.7
107.5°	405.3	368.2	330.5	292.4	254.2	216.0	177.9
110°	552.2	542.8	517.5	476.6	435.8	394.9	354.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	645.9	646.1	641.9	633.2	624.6	616.0	607.3
115°	747.4	750.3	752.3	753.5	754.6	755.7	756.9
117.5°	836.3	838.6	839.9	840.1	840.3	840.6	840.8
120°	895.0	897.3	898.5	898.5	898.5	898.5	898.5
122.5°	951.7	953.3	954.2	954.4	954.6	954.8	955.1
125°	1031.5	1032.0	1032.6	1033.2	1033.7	1034.3	1034.9
127.5°	1112.8	1113.7	1113.9	1113.4	1112.8	1112.2	1111.6
130°	1161.9	1163.0	1163.3	1162.8	1162.2	1161.6	1161.1
132.5°	1208.2	1209.4	1209.5	1208.8	1208.0	1207.1	1206.3
135°	1278.2	1279.0	1279.0	1278.2	1277.3	1276.4	1275.6
137.5°	1341.3	1342.6	1343.0	1342.5	1341.9	1341.3	1340.7
140°	1380.7	1381.8	1382.2	1381.6	1381.0	1380.4	1379.8
142.5°	1418.2	1419.0	1419.1	1418.3	1417.5	1416.7	1415.9
145°	1470.4	1470.9	1471.3	1471.3	1471.3	1471.3	1471.3
147.5°	1517.5	1518.1	1517.7	1516.4	1515.1	1513.7	1512.4
150°	1546.4	1546.9	1546.8	1545.9	1545.1	1544.2	1543.3
152.5°	1572.4	1573.5	1573.3	1572.0	1570.6	1569.3	1568.1
155°	1608.1	1609.6	1609.4	1607.7	1605.9	1604.2	1602.6
157.5°	1639.1	1640.8	1640.5	1638.3	1636.1	1633.8	1631.6
160°	1656.6	1658.3	1658.2	1656.1	1654.2	1652.2	1650.2
162.5°	1672.8	1674.6	1674.7	1673.0	1671.2	1669.5	1667.7
165°	1694.4	1696.7	1696.8	1694.8	1692.8	1690.7	1688.8
167.5°	1710.8	1713.1	1713.1	1710.8	1708.6	1706.2	1704.0
170°	1720.1	1722.4	1722.4	1720.1	1717.8	1715.5	1713.2
172.5°	1726.3	1728.5	1728.5	1726.0	1723.5	1720.9	1718.4
175°	1733.4	1735.4	1735.3	1732.9	1730.7	1728.4	1726.1
177.5°	1735.9	1737.8	1737.6	1735.3	1733.0	1730.7	1728.5
180°	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5	1732.5

(END OF REPORT)