

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: P332607-935

Luminaire Tested: **SA4XXDIP-C795D1035U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332607-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D1035U935-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

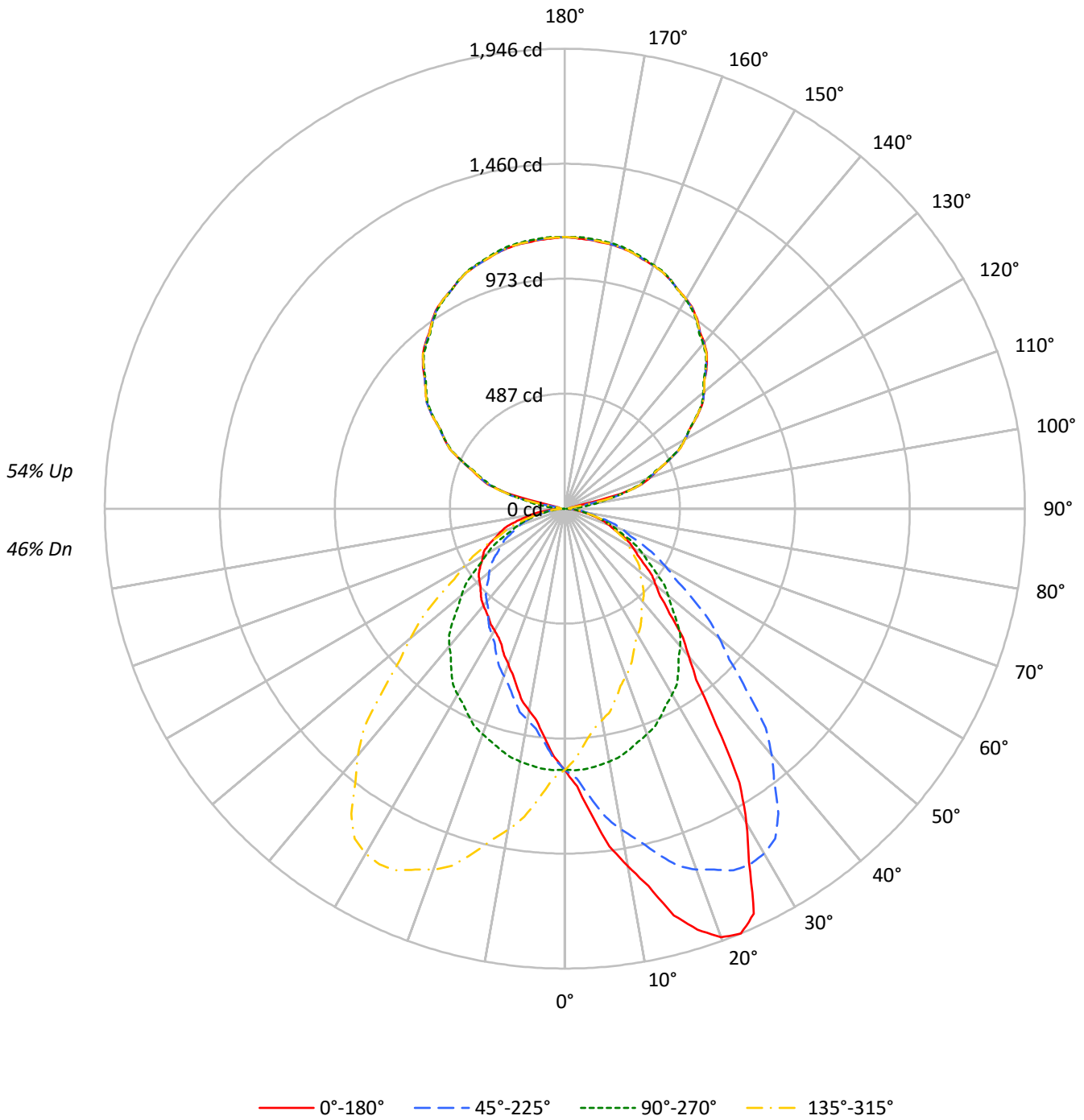
Lumens per Lamp: N/A
Luminaire Lumens: 6607.9 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 52
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	81	81	81	66	66	66	53	53	53	46				46
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39				39
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33				33
3	81	72	65	59	74	66	60	55	56	51	47	46	43	40	37	35	33	28				28
4	74	64	56	50	68	59	52	47	50	44	40	41	37	34	33	30	28	25				25
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				21
6	63	51	43	37	57	47	40	35	40	35	30	33	29	26	27	24	22	19				19
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19	17				17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				15
9	50	38	31	26	46	35	29	24	30	25	21	26	22	19	21	18	16	14				14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	12				12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8924	8924	8924	8924
5°	10509	8947	7897	8947
10°	12582	8908	7110	8908
15°	14888	8818	6529	8818
20°	16578	8725	6010	8725
25°	16846	8590	5653	8590
30°	14334	8460	5540	8460
35°	11020	8250	5542	8250
40°	8590	8001	5647	8001
45°	7162	7628	5740	7628
50°	6303	7171	5936	7171
55°	5775	6625	6175	6625
60°	5412	6135	6462	6135
65°	5037	5589	6701	5589
70°	4605	5049	6852	5049
75°	4114	4442	6772	4442
80°	3450	3640	6555	3640
85°	2547	2631	6280	2631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.6
10°-20°	331.9	5.0
20°-30°	526.4	8.0
30°-40°	585.8	8.9
40°-50°	533.2	8.1
50°-60°	435.7	6.6
60°-70°	311.1	4.7
70°-80°	171.3	2.6
80°-90°	50.1	0.8
90°-100°	39.3	0.6
100°-110°	250.6	3.8
110°-120°	479.4	7.3
120°-130°	608.6	9.2
130°-140°	651.1	9.9
140°-150°	608.9	9.2
150°-160°	491.0	7.4
160°-170°	316.7	4.8
170°-180°	109.2	1.7
0°-30°	966.0	14.6
0°-40°	1551.8	23.5
0°-60°	2520.7	38.1
0°-90°	3053.2	46.2
90°-120°	769.3	11.6
90°-150°	2637.9	39.9
90°-180°	3555.0	53.8
0°-180°	6607.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1105	1105	1105	1105	1105	
5°	1297	1104	974	1104	1297	132
15°	1781	1055	781	1055	1781	503
25°	1891	964	635	964	1891	834
35°	1118	837	562	837	1118	710
45°	627	668	503	668	627	494
55°	410	471	439	471	410	371
65°	264	293	351	293	264	261
75°	132	142	217	142	132	140
85°	28	28	68	28	28	34
90°	26	3	26	3	26	12
95°	25	47	25	47	25	20
105°	245	259	245	259	245	214
115°	486	483	486	483	486	482
125°	684	679	684	679	684	609
135°	848	842	848	842	848	653
145°	976	971	976	971	976	610
155°	1064	1065	1064	1065	1064	491
165°	1118	1123	1118	1123	1118	316
175°	1142	1149	1142	1149	1142	109
180°	1149	1149	1149	1149	1149	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1176.5	1176.1	1172.4	1171.7	1169.2	1165.9	1165.1	1159.3	1147.5	1142.0	1140.6
5°	1296.8	1306.0	1294.1	1291.8	1290.4	1275.3	1267.5	1258.4	1237.3	1224.9	1215.3
7.5°	1440.5	1441.5	1436.3	1432.1	1420.5	1407.2	1387.5	1366.4	1341.4	1315.2	1295.5
10°	1534.9	1538.6	1532.7	1531.7	1508.4	1493.7	1464.4	1439.7	1411.3	1379.7	1350.8
12.5°	1634.6	1629.4	1626.4	1606.8	1602.5	1575.8	1541.7	1516.2	1472.5	1436.1	1397.7
15°	1781.3	1771.2	1764.8	1737.8	1724.5	1687.4	1651.2	1623.3	1566.1	1511.6	1470.3
17.5°	1867.3	1877.4	1862.6	1851.5	1817.1	1791.1	1754.2	1695.6	1650.8	1583.1	1531.1
20°	1929.7	1930.5	1922.4	1910.9	1883.9	1850.9	1810.6	1746.5	1692.9	1625.6	1554.2
22.5°	1946.5	1946.7	1943.2	1932.5	1912.0	1885.3	1844.7	1791.1	1726.2	1653.0	1581.7
25°	1891.2	1889.4	1893.5	1905.4	1897.6	1889.4	1866.0	1826.2	1765.7	1688.3	1611.4
27.5°	1685.7	1698.3	1721.6	1750.8	1779.1	1800.6	1806.6	1798.5	1761.0	1697.4	1616.8
30°	1537.7	1553.2	1570.6	1599.9	1656.7	1689.3	1724.9	1752.0	1736.9	1686.0	1610.9
32.5°	1375.0	1378.9	1404.7	1438.0	1490.0	1552.6	1609.2	1664.1	1682.3	1655.6	1593.0
35°	1118.2	1124.6	1152.5	1185.5	1249.2	1325.7	1410.8	1486.9	1549.5	1574.8	1542.7
37.5°	912.5	930.9	950.6	986.1	1042.2	1110.9	1199.5	1297.8	1391.3	1454.0	1464.6
40°	815.1	826.6	840.8	867.7	915.3	983.2	1059.1	1171.8	1271.2	1360.9	1390.3
42.5°	738.1	744.9	753.5	778.0	814.2	881.7	951.1	1050.2	1150.0	1257.2	1306.3
45°	627.3	634.2	648.8	663.1	690.5	737.3	801.8	883.3	983.6	1087.1	1177.8
47.5°	547.3	551.7	560.4	575.6	598.9	629.7	682.3	750.4	843.3	943.7	1040.3
50°	501.9	505.5	512.4	526.2	544.0	571.4	614.5	678.2	751.0	852.2	946.9
52.5°	466.0	467.4	472.5	481.8	496.0	519.1	554.4	607.1	674.8	765.0	859.5
55°	410.3	412.2	416.7	423.6	435.9	450.6	477.6	516.9	576.1	654.4	736.3
57.5°	364.5	365.8	369.6	372.3	382.5	394.3	415.2	443.2	488.0	554.4	627.6
60°	335.2	334.2	338.9	341.1	348.0	358.1	374.1	401.1	440.1	493.6	560.9
62.5°	306.6	305.3	309.2	312.2	316.2	324.8	337.9	359.0	390.6	439.0	497.2
65°	263.7	261.9	264.2	267.9	271.6	276.1	285.8	304.5	329.7	364.5	408.9
67.5°	220.7	222.7	223.0	224.8	227.0	233.2	239.8	253.0	270.8	298.7	336.3
70°	195.1	195.5	197.3	197.3	198.7	204.2	209.7	217.5	234.9	260.5	291.2
72.5°	169.4	171.3	170.7	172.1	173.1	176.8	180.8	188.2	203.0	222.1	248.0
75°	131.9	133.3	133.3	133.7	135.1	136.5	139.7	145.2	155.7	169.9	187.8
77.5°	96.2	96.3	96.9	98.7	98.7	100.8	103.2	107.6	112.8	122.5	133.5
80°	74.2	75.1	74.6	75.6	75.6	77.4	78.3	83.8	86.1	92.5	101.2
82.5°	54.4	55.3	55.2	56.5	57.3	57.6	58.9	61.0	63.4	69.1	72.6
85°	27.5	28.4	27.5	28.4	29.8	30.2	31.6	32.0	33.9	35.3	38.5
87.5°	13.2	14.2	14.1	14.5	15.1	15.3	15.5	14.9	16.1	16.3	17.4
90°	25.7	25.4	25.1	24.6	24.3	23.5	22.4	21.2	20.1	18.9	17.4
92.5°	23.8	23.7	23.6	23.5	23.4	22.8	21.7	20.5	19.4	18.3	16.7
95°	24.9	24.7	24.5	24.4	24.2	23.5	22.4	21.2	20.1	18.9	18.7
97.5°	24.1	23.8	23.7	23.5	23.3	23.2	23.1	22.9	22.8	22.7	44.0
100°	24.1	23.8	23.7	23.5	23.3	24.8	28.1	31.3	34.6	37.8	64.1
102.5°	24.8	24.7	24.7	24.6	24.6	42.1	77.1	112.2	147.1	182.2	185.6
105°	245.0	251.8	258.7	265.6	272.5	275.0	273.3	271.6	269.9	268.2	267.3
107.5°	341.4	340.7	339.9	339.2	338.5	337.7	336.9	336.0	335.2	334.3	333.0
110°	383.3	382.8	382.2	381.6	381.1	380.6	380.2	379.8	379.4	379.0	377.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	425.2	424.6	423.9	423.1	422.4	422.1	422.1	422.2	422.3	422.3	421.8
115°	486.5	486.5	486.5	486.5	486.5	486.3	485.9	485.5	485.2	484.7	484.9
117.5°	548.7	548.8	548.9	549.0	549.1	549.1	549.1	549.2	549.3	549.4	549.0
120°	587.9	588.3	588.7	589.0	589.4	589.4	589.0	588.7	588.3	587.9	588.1
122.5°	626.4	626.8	627.2	627.6	627.9	628.0	627.8	627.6	627.3	627.1	626.8
125°	684.2	684.0	683.8	683.6	683.4	683.0	682.4	681.9	681.3	680.7	681.1
127.5°	734.9	735.0	735.2	735.4	735.5	735.6	735.7	735.9	736.0	736.1	735.2
130°	769.3	769.3	769.3	769.3	769.3	769.1	769.0	768.8	768.6	768.4	767.8
132.5°	800.9	801.1	801.2	801.3	801.5	801.5	801.3	801.1	800.9	800.7	800.0
135°	848.3	847.9	847.6	847.2	846.8	846.4	846.0	845.7	845.2	844.9	844.1
137.5°	888.9	889.0	889.2	889.2	889.3	889.2	888.8	888.4	887.9	887.5	886.7
140°	917.1	916.9	916.7	916.5	916.4	915.9	915.4	914.8	914.2	913.7	913.3
142.5°	940.5	940.5	940.4	940.4	940.3	940.1	939.7	939.3	938.8	938.4	938.1
145°	976.4	976.0	975.6	975.3	974.9	974.6	974.4	974.2	974.0	973.8	973.8
147.5°	1006.2	1006.0	1005.7	1005.6	1005.4	1005.2	1005.0	1004.9	1004.8	1004.6	1004.8
150°	1025.4	1025.2	1025.0	1024.8	1024.6	1024.5	1024.5	1024.5	1024.5	1024.5	1024.8
152.5°	1041.9	1042.0	1042.2	1042.2	1042.3	1042.2	1042.0	1041.6	1041.4	1041.0	1041.4
155°	1064.1	1064.6	1065.2	1065.8	1066.3	1066.3	1065.5	1064.7	1063.9	1063.2	1063.8
157.5°	1082.6	1083.7	1084.6	1085.6	1086.6	1086.6	1085.6	1084.6	1083.7	1082.6	1083.3
160°	1095.0	1096.1	1097.3	1098.5	1099.6	1099.6	1098.5	1097.3	1096.1	1095.0	1095.2
162.5°	1104.7	1106.0	1107.2	1108.5	1109.8	1109.9	1108.8	1107.6	1106.5	1105.4	1105.5
165°	1118.2	1119.9	1121.6	1123.3	1125.1	1125.2	1123.7	1122.1	1120.6	1119.0	1119.0
167.5°	1128.3	1130.2	1132.2	1134.1	1136.0	1136.1	1134.5	1132.7	1131.1	1129.4	1129.5
170°	1134.5	1136.4	1138.4	1140.3	1142.2	1142.4	1140.8	1139.4	1137.8	1136.3	1136.1
172.5°	1138.0	1140.1	1142.1	1144.2	1146.2	1146.5	1145.0	1143.5	1141.9	1140.4	1140.2
175°	1142.3	1144.6	1146.9	1149.2	1151.4	1151.8	1150.0	1148.3	1146.6	1144.9	1144.7
177.5°	1145.0	1146.9	1148.7	1150.6	1152.4	1152.7	1151.4	1150.2	1149.0	1147.8	1147.5
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1140.9	1135.8	1132.1	1129.2	1121.2	1116.4	1112.8	1107.6	1101.7	1095.5	1087.8
5°	1205.7	1190.1	1178.7	1161.2	1144.8	1131.0	1116.9	1104.1	1088.5	1071.5	1059.1
7.5°	1273.8	1250.6	1220.9	1195.2	1166.2	1141.0	1118.5	1095.5	1071.4	1048.2	1026.8
10°	1317.0	1287.2	1254.2	1215.3	1178.7	1146.2	1115.9	1086.7	1058.3	1029.8	1005.6
12.5°	1363.5	1326.4	1277.6	1232.2	1191.1	1147.6	1111.2	1075.3	1041.0	1011.2	982.8
15°	1425.9	1372.3	1316.0	1255.2	1201.1	1150.3	1100.4	1055.1	1016.6	977.1	949.7
17.5°	1464.3	1398.0	1333.6	1270.0	1204.6	1140.5	1086.7	1034.3	986.2	947.0	912.4
20°	1489.6	1423.7	1343.5	1279.9	1202.0	1136.1	1073.8	1015.6	965.3	923.6	887.9
22.5°	1511.6	1435.4	1355.2	1271.4	1193.9	1124.0	1055.8	997.3	945.9	902.0	867.7
25°	1523.5	1436.0	1349.0	1265.7	1177.8	1094.8	1033.0	964.4	909.4	863.2	826.6
27.5°	1524.7	1431.2	1332.8	1240.2	1149.4	1072.3	994.2	932.9	875.8	826.9	791.7
30°	1520.7	1423.2	1317.4	1217.1	1126.0	1042.2	974.5	907.6	849.5	800.9	764.2
32.5°	1507.9	1406.4	1297.6	1191.5	1097.1	1015.1	945.1	881.6	824.9	777.1	738.7
35°	1470.8	1370.5	1254.6	1144.4	1047.7	964.8	901.6	837.1	780.3	734.9	697.8
37.5°	1412.8	1322.2	1204.4	1090.2	995.3	912.1	849.5	791.1	739.9	693.8	655.8
40°	1362.3	1282.6	1164.5	1053.2	950.6	871.4	812.8	759.2	708.4	664.9	628.7
42.5°	1304.1	1234.6	1125.7	1007.8	908.9	829.3	772.1	724.0	676.1	635.9	599.8
45°	1200.1	1154.4	1051.8	942.9	839.8	764.7	710.2	668.1	627.8	588.4	558.2
47.5°	1080.7	1058.1	971.7	868.2	770.4	696.4	649.1	610.2	574.9	541.6	514.9
50°	1000.6	989.5	914.9	815.1	721.7	652.0	604.4	571.0	540.8	511.5	486.3
52.5°	921.4	921.0	853.8	762.3	675.9	608.8	561.5	530.4	504.2	480.4	457.7
55°	800.5	813.2	760.6	679.1	601.7	541.2	498.7	470.7	452.5	432.7	415.8
57.5°	689.3	710.6	667.2	595.4	530.8	475.1	438.1	417.1	397.5	385.6	373.3
60°	616.8	637.0	603.0	542.6	481.7	434.1	398.8	380.0	363.1	354.9	346.2
62.5°	552.3	570.3	545.2	489.1	436.3	390.5	360.8	342.7	331.2	322.3	316.5
65°	460.2	475.3	453.8	413.0	367.7	331.1	306.8	292.6	281.6	277.9	271.6
67.5°	372.0	385.7	374.1	339.5	303.2	275.3	256.4	242.8	236.3	233.1	228.5
70°	319.6	333.4	321.0	290.8	262.9	239.5	221.6	213.9	207.0	205.6	199.1
72.5°	275.3	284.6	272.2	248.7	224.7	205.1	191.2	183.0	179.5	177.0	173.6
75°	206.6	214.7	206.6	188.2	171.3	157.6	145.6	142.4	138.3	136.9	134.7
77.5°	146.2	153.3	147.0	135.5	122.9	112.3	105.9	101.8	100.8	98.4	99.5
80°	111.8	116.3	110.4	102.5	92.5	85.2	80.6	78.3	75.6	74.6	76.5
82.5°	80.2	82.2	79.2	74.0	66.5	61.7	58.6	56.0	55.4	55.6	55.6
85°	41.7	41.2	40.7	36.2	33.9	30.7	28.8	28.4	27.9	28.8	29.8
87.5°	17.1	17.1	16.4	14.6	13.2	11.6	10.8	10.1	10.8	11.6	12.4
90°	15.8	14.3	12.8	11.0	8.9	6.8	4.6	2.6	4.6	6.8	8.9
92.5°	15.2	13.6	12.1	11.3	11.2	11.0	10.9	10.8	10.9	11.0	11.2
95°	18.5	18.3	18.2	21.3	27.8	34.3	40.8	47.3	40.8	34.3	27.8
97.5°	65.3	86.6	108.0	116.6	112.5	108.5	104.4	100.4	104.4	108.5	112.5
100°	90.6	116.9	143.3	154.7	151.3	147.8	144.4	140.9	144.4	147.8	151.3
102.5°	189.1	192.5	196.0	196.4	193.9	191.4	188.9	186.3	188.9	191.4	193.9
105°	266.2	265.3	264.3	263.3	262.2	261.0	259.8	258.7	259.8	261.0	262.2
107.5°	331.7	330.5	329.2	328.2	327.6	327.1	326.5	325.9	326.5	327.1	327.6
110°	376.8	375.6	374.4	373.6	373.0	372.5	371.9	371.3	371.9	372.5	373.0



TEST NUMBER: P332607-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	421.3	420.8	420.3	419.5	418.4	417.4	416.4	415.3	416.4	417.4	418.4
115°	485.2	485.3	485.5	485.3	484.7	484.2	483.6	483.0	483.6	484.2	484.7
117.5°	548.5	548.1	547.7	547.2	546.4	545.6	544.8	544.1	544.8	545.6	546.4
120°	588.3	588.5	588.7	588.4	587.6	586.9	586.1	585.3	586.1	586.9	587.6
122.5°	626.5	626.3	626.0	625.7	625.2	624.7	624.3	623.8	624.3	624.7	625.2
125°	681.5	681.9	682.3	682.1	681.3	680.5	679.8	679.0	679.8	680.5	681.3
127.5°	734.3	733.5	732.5	732.0	731.8	731.7	731.4	731.2	731.4	731.7	731.8
130°	767.2	766.7	766.1	765.7	765.5	765.3	765.2	765.0	765.2	765.3	765.5
132.5°	799.3	798.6	797.8	797.3	796.9	796.6	796.3	795.9	796.3	796.6	796.9
135°	843.3	842.6	841.8	841.5	841.7	842.0	842.1	842.3	842.1	842.0	841.7
137.5°	885.9	885.0	884.2	883.7	883.6	883.6	883.5	883.4	883.5	883.6	883.6
140°	912.9	912.5	912.1	911.7	911.4	911.0	910.6	910.2	910.6	911.0	911.4
142.5°	938.0	937.7	937.5	937.0	936.3	935.6	935.0	934.3	935.0	935.6	936.3
145°	973.8	973.8	973.8	973.5	972.9	972.4	971.8	971.2	971.8	972.4	972.9
147.5°	1005.0	1005.1	1005.4	1005.0	1003.8	1002.8	1001.7	1000.7	1001.7	1002.8	1003.8
150°	1024.9	1025.1	1025.3	1025.0	1024.2	1023.5	1022.7	1021.9	1022.7	1023.5	1024.2
152.5°	1041.7	1042.1	1042.4	1042.2	1041.6	1041.0	1040.4	1039.8	1040.4	1041.0	1041.6
155°	1064.4	1065.0	1065.5	1065.7	1065.5	1065.3	1065.1	1065.0	1065.1	1065.3	1065.5
157.5°	1083.9	1084.6	1085.2	1085.6	1085.7	1085.8	1086.0	1086.1	1086.0	1085.8	1085.7
160°	1095.4	1095.6	1095.8	1096.1	1096.7	1097.3	1097.9	1098.5	1097.9	1097.3	1096.7
162.5°	1105.7	1105.9	1106.1	1106.6	1107.2	1108.0	1108.7	1109.5	1108.7	1108.0	1107.2
165°	1119.0	1119.0	1119.0	1119.6	1120.5	1121.5	1122.4	1123.3	1122.4	1121.5	1120.5
167.5°	1129.6	1129.7	1129.9	1130.4	1131.4	1132.4	1133.4	1134.4	1133.4	1132.4	1131.4
170°	1135.9	1135.7	1135.5	1136.0	1137.1	1138.2	1139.4	1140.6	1139.4	1138.2	1137.1
172.5°	1140.1	1139.8	1139.6	1140.1	1141.3	1142.4	1143.6	1144.7	1143.6	1142.4	1141.3
175°	1144.5	1144.3	1144.1	1144.6	1145.7	1146.9	1148.1	1149.2	1148.1	1146.9	1145.7
177.5°	1147.2	1146.9	1146.6	1146.9	1148.1	1149.1	1150.1	1151.2	1150.1	1149.1	1148.1
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



TEST NUMBER: P332607-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1084.2	1080.9	1076.1	1069.5	1064.0	1058.2	1056.7	1054.5	1058.9	1055.2	1054.1
5°	1048.6	1039.0	1026.7	1012.4	1004.2	992.3	990.0	985.4	980.9	980.4	975.8
7.5°	1011.0	996.9	980.7	966.2	952.8	939.8	931.3	929.4	922.7	918.8	914.2
10°	986.8	969.4	950.6	936.9	921.4	907.6	897.9	892.5	887.9	882.9	878.3
12.5°	958.2	939.7	924.3	909.4	890.9	880.5	864.6	855.1	854.2	854.3	842.4
15°	925.0	906.6	882.9	861.8	851.7	831.6	822.9	811.8	805.0	798.1	792.6
17.5°	887.0	864.2	845.6	821.4	802.2	786.2	774.7	768.1	757.8	748.0	741.0
20°	863.2	838.9	819.2	793.6	772.5	752.8	743.2	734.0	726.3	718.0	710.2
22.5°	839.0	813.6	789.5	764.7	745.0	724.3	715.0	702.5	695.1	690.5	682.8
25°	800.9	773.4	746.0	722.1	702.0	683.6	671.3	661.7	653.4	649.8	644.7
27.5°	759.5	732.2	705.7	678.6	655.7	642.5	632.6	625.3	620.5	615.7	613.5
30°	733.1	704.7	676.3	651.2	630.1	616.8	607.6	602.6	598.9	596.7	594.3
32.5°	706.4	678.4	648.5	625.5	606.7	594.9	587.9	582.8	581.0	580.1	579.4
35°	663.5	635.2	607.6	587.0	569.2	564.6	558.6	555.9	555.0	558.2	559.6
37.5°	622.0	595.6	570.4	550.4	538.7	532.0	529.9	530.1	533.4	536.2	539.5
40°	595.3	569.6	545.9	528.4	517.5	513.3	512.4	514.7	518.3	521.6	525.2
42.5°	569.3	544.0	522.4	506.1	498.4	494.6	495.2	497.5	502.6	506.5	512.0
45°	528.9	507.8	486.7	473.5	467.1	468.0	468.0	472.1	477.2	483.1	489.0
47.5°	490.9	469.7	452.3	441.2	437.8	437.0	439.6	445.0	452.2	459.6	467.9
50°	465.2	445.1	430.0	419.9	416.2	417.6	421.3	426.3	435.0	444.2	452.9
52.5°	439.2	420.9	406.9	397.5	395.0	397.4	401.1	409.1	416.7	426.6	437.1
55°	398.8	383.2	372.3	365.4	364.5	365.8	370.0	378.7	389.7	402.1	412.2
57.5°	358.6	345.6	335.5	330.8	331.2	332.5	339.3	349.7	361.4	374.5	387.5
60°	331.6	319.6	311.4	307.7	308.2	310.9	319.2	328.8	343.5	356.3	370.0
62.5°	305.9	295.4	287.6	284.3	283.6	289.6	297.6	307.5	322.2	336.5	351.3
65°	264.7	256.4	250.0	248.2	249.6	254.2	264.2	277.5	289.9	305.0	320.6
67.5°	224.4	217.6	213.2	214.0	215.7	222.5	230.9	242.3	256.3	272.0	287.4
70°	198.7	192.3	188.6	189.1	191.8	200.1	207.4	218.9	234.0	250.0	262.9
72.5°	172.4	168.2	164.9	166.8	169.5	175.2	184.3	195.8	209.1	224.0	237.5
75°	132.3	132.3	130.5	131.9	136.0	141.5	148.4	160.2	173.6	185.5	196.5
77.5°	98.2	97.2	98.3	100.0	102.4	108.9	116.8	125.3	135.3	147.1	156.3
80°	75.1	75.6	77.8	80.6	81.5	86.5	94.8	102.5	110.4	120.5	129.2
82.5°	56.4	56.9	58.0	61.6	62.4	67.8	73.2	80.9	88.0	94.8	102.0
85°	30.7	30.7	33.0	34.4	36.6	40.3	43.5	48.0	54.5	59.1	66.0
87.5°	13.9	14.3	16.0	17.1	18.5	20.7	21.6	25.8	27.6	29.6	33.1
90°	11.0	12.8	14.3	15.8	17.4	18.9	20.1	21.2	22.4	23.5	24.3
92.5°	11.3	12.1	13.6	15.2	16.7	18.3	19.4	20.5	21.7	22.8	23.4
95°	21.3	18.2	18.3	18.5	18.7	18.9	20.1	21.2	22.4	23.5	24.2
97.5°	116.6	108.0	86.6	65.3	44.0	22.7	22.8	22.9	23.1	23.2	23.3
100°	154.7	143.3	116.9	90.6	64.1	37.8	34.6	31.3	28.1	24.8	23.3
102.5°	196.4	196.0	192.5	189.1	185.6	182.2	147.1	112.2	77.1	42.1	24.6
105°	263.3	264.3	265.3	266.2	267.3	268.2	269.9	271.6	273.3	275.0	272.5
107.5°	328.2	329.2	330.5	331.7	333.0	334.3	335.2	336.0	336.9	337.7	338.5
110°	373.6	374.4	375.6	376.8	377.9	379.0	379.4	379.8	380.2	380.6	381.1



TEST NUMBER: P332607-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	419.5	420.3	420.8	421.3	421.8	422.3	422.3	422.2	422.1	422.1	422.4
115°	485.3	485.5	485.3	485.2	484.9	484.7	485.2	485.5	485.9	486.3	486.5
117.5°	547.2	547.7	548.1	548.5	549.0	549.4	549.3	549.2	549.1	549.1	549.1
120°	588.4	588.7	588.5	588.3	588.1	587.9	588.3	588.7	589.0	589.4	589.4
122.5°	625.7	626.0	626.3	626.5	626.8	627.1	627.3	627.6	627.8	628.0	627.9
125°	682.1	682.3	681.9	681.5	681.1	680.7	681.3	681.9	682.4	683.0	683.4
127.5°	732.0	732.5	733.5	734.3	735.2	736.1	736.0	735.9	735.7	735.6	735.5
130°	765.7	766.1	766.7	767.2	767.8	768.4	768.6	768.8	769.0	769.1	769.3
132.5°	797.3	797.8	798.6	799.3	800.0	800.7	800.9	801.1	801.3	801.5	801.5
135°	841.5	841.8	842.6	843.3	844.1	844.9	845.2	845.7	846.0	846.4	846.8
137.5°	883.7	884.2	885.0	885.9	886.7	887.5	887.9	888.4	888.8	889.2	889.3
140°	911.7	912.1	912.5	912.9	913.3	913.7	914.2	914.8	915.4	915.9	916.4
142.5°	937.0	937.5	937.7	938.0	938.1	938.4	938.8	939.3	939.7	940.1	940.3
145°	973.5	973.8	973.8	973.8	973.8	973.8	974.0	974.2	974.4	974.6	974.9
147.5°	1005.0	1005.4	1005.1	1005.0	1004.8	1004.6	1004.8	1004.9	1005.0	1005.2	1005.4
150°	1025.0	1025.3	1025.1	1024.9	1024.8	1024.5	1024.5	1024.5	1024.5	1024.5	1024.6
152.5°	1042.2	1042.4	1042.1	1041.7	1041.4	1041.0	1041.4	1041.6	1042.0	1042.2	1042.3
155°	1065.7	1065.5	1065.0	1064.4	1063.8	1063.2	1063.9	1064.7	1065.5	1066.3	1066.3
157.5°	1085.6	1085.2	1084.6	1083.9	1083.3	1082.6	1083.7	1084.6	1085.6	1086.6	1086.6
160°	1096.1	1095.8	1095.6	1095.4	1095.2	1095.0	1096.1	1097.3	1098.5	1099.6	1099.6
162.5°	1106.6	1106.1	1105.9	1105.7	1105.5	1105.4	1106.5	1107.6	1108.8	1109.9	1109.8
165°	1119.6	1119.0	1119.0	1119.0	1119.0	1119.0	1120.6	1122.1	1123.7	1125.2	1125.1
167.5°	1130.4	1129.9	1129.7	1129.6	1129.5	1129.4	1131.1	1132.7	1134.5	1136.1	1136.0
170°	1136.0	1135.5	1135.7	1135.9	1136.1	1136.3	1137.8	1139.4	1140.8	1142.4	1142.2
172.5°	1140.1	1139.6	1139.8	1140.1	1140.2	1140.4	1141.9	1143.5	1145.0	1146.5	1146.2
175°	1144.6	1144.1	1144.3	1144.5	1144.7	1144.9	1146.6	1148.3	1150.0	1151.8	1151.4
177.5°	1146.9	1146.6	1146.9	1147.2	1147.5	1147.8	1149.0	1150.2	1151.4	1152.7	1152.4
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



TEST NUMBER: P332607-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1053.3	1052.7	1050.1	1049.7	1050.1	1052.7	1053.3	1054.1	1055.2	1058.9	1054.5
5°	973.1	970.8	969.4	974.5	969.4	970.8	973.1	975.8	980.4	980.9	985.4
7.5°	912.5	910.7	906.6	905.4	906.6	910.7	912.5	914.2	918.8	922.7	929.4
10°	873.7	871.8	868.2	867.3	868.2	871.8	873.7	878.3	882.9	887.9	892.5
12.5°	836.3	832.7	831.9	832.8	831.9	832.7	836.3	842.4	854.3	854.2	855.1
15°	786.7	784.9	779.8	781.2	779.8	784.9	786.7	792.6	798.1	805.0	811.8
17.5°	737.8	735.6	729.4	734.9	729.4	735.6	737.8	741.0	748.0	757.8	768.1
20°	707.1	703.4	700.2	699.6	700.2	703.4	707.1	710.2	718.0	726.3	734.0
22.5°	677.7	674.4	674.2	671.1	674.2	674.4	677.7	682.8	690.5	695.1	702.5
25°	641.1	637.9	637.0	634.6	637.0	637.9	641.1	644.7	649.8	653.4	661.7
27.5°	612.9	611.4	609.8	610.4	609.8	611.4	612.9	613.5	615.7	620.5	625.3
30°	595.7	595.3	594.3	594.3	594.3	595.3	595.7	594.3	596.7	598.9	602.6
32.5°	581.4	581.3	581.9	581.9	581.9	581.3	581.4	579.4	580.1	581.0	582.8
35°	561.4	562.7	563.7	562.3	563.7	562.7	561.4	559.6	558.2	555.0	555.9
37.5°	543.3	544.7	546.0	547.5	546.0	544.7	543.3	539.5	536.2	533.4	530.1
40°	529.3	532.5	533.5	535.8	533.5	532.5	529.3	525.2	521.6	518.3	514.7
42.5°	516.2	519.7	522.1	522.5	522.1	519.7	516.2	512.0	506.5	502.6	497.5
45°	495.9	499.6	502.8	502.8	502.8	499.6	495.9	489.0	483.1	477.2	472.1
47.5°	474.9	480.3	483.5	484.3	483.5	480.3	474.9	467.9	459.6	452.2	445.0
50°	460.6	467.1	470.3	472.6	470.3	467.1	460.6	452.9	444.2	435.0	426.3
52.5°	446.8	453.1	457.4	458.7	457.4	453.1	446.8	437.1	426.6	416.7	409.1
55°	422.7	431.8	436.9	438.7	436.9	431.8	422.7	412.2	402.1	389.7	378.7
57.5°	399.9	408.4	414.2	415.6	414.2	408.4	399.9	387.5	374.5	361.4	349.7
60°	382.4	391.5	398.8	400.2	398.8	391.5	382.4	370.0	356.3	343.5	328.8
62.5°	364.4	373.9	380.6	384.1	380.6	373.9	364.4	351.3	336.5	322.2	307.5
65°	333.4	342.9	349.4	350.8	349.4	342.9	333.4	320.6	305.0	289.9	277.5
67.5°	299.5	309.1	313.3	316.0	313.3	309.1	299.5	287.4	272.0	256.3	242.3
70°	275.7	283.4	288.0	290.3	288.0	283.4	275.7	262.9	250.0	234.0	218.9
72.5°	248.6	256.7	262.0	262.4	262.0	256.7	248.6	237.5	224.0	209.1	195.8
75°	207.0	214.3	217.1	217.1	217.1	214.3	207.0	196.5	185.5	173.6	160.2
77.5°	163.8	167.6	171.1	171.8	171.1	167.6	163.8	156.3	147.1	135.3	125.3
80°	136.0	138.3	141.0	141.0	141.0	138.3	136.0	129.2	120.5	110.4	102.5
82.5°	107.5	109.3	112.1	111.8	112.1	109.3	107.5	102.0	94.8	88.0	80.9
85°	65.0	69.1	68.7	67.8	68.7	69.1	65.0	66.0	59.1	54.5	48.0
87.5°	34.3	34.7	35.8	36.7	35.8	34.7	34.3	33.1	29.6	27.6	25.8
90°	24.6	25.1	25.4	25.7	25.4	25.1	24.6	24.3	23.5	22.4	21.2
92.5°	23.5	23.6	23.7	23.8	23.7	23.6	23.5	23.4	22.8	21.7	20.5
95°	24.4	24.5	24.7	24.9	24.7	24.5	24.4	24.2	23.5	22.4	21.2
97.5°	23.5	23.7	23.8	24.1	23.8	23.7	23.5	23.3	23.2	23.1	22.9
100°	23.5	23.7	23.8	24.1	23.8	23.7	23.5	23.3	24.8	28.1	31.3
102.5°	24.6	24.7	24.7	24.8	24.7	24.7	24.6	24.6	42.1	77.1	112.2
105°	265.6	258.7	251.8	245.0	251.8	258.7	265.6	272.5	275.0	273.3	271.6
107.5°	339.2	339.9	340.7	341.4	340.7	339.9	339.2	338.5	337.7	336.9	336.0
110°	381.6	382.2	382.8	383.3	382.8	382.2	381.6	381.1	380.6	380.2	379.8



TEST NUMBER: P332607-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	423.1	423.9	424.6	425.2	424.6	423.9	423.1	422.4	422.1	422.1	422.2
115°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.3	485.9	485.5
117.5°	549.0	548.9	548.8	548.7	548.8	548.9	549.0	549.1	549.1	549.1	549.2
120°	589.0	588.7	588.3	587.9	588.3	588.7	589.0	589.4	589.4	589.0	588.7
122.5°	627.6	627.2	626.8	626.4	626.8	627.2	627.6	627.9	628.0	627.8	627.6
125°	683.6	683.8	684.0	684.2	684.0	683.8	683.6	683.4	683.0	682.4	681.9
127.5°	735.4	735.2	735.0	734.9	735.0	735.2	735.4	735.5	735.6	735.7	735.9
130°	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.1	769.0	768.8
132.5°	801.3	801.2	801.1	800.9	801.1	801.2	801.3	801.5	801.5	801.3	801.1
135°	847.2	847.6	847.9	848.3	847.9	847.6	847.2	846.8	846.4	846.0	845.7
137.5°	889.2	889.2	889.0	888.9	889.0	889.2	889.2	889.3	889.2	888.8	888.4
140°	916.5	916.7	916.9	917.1	916.9	916.7	916.5	916.4	915.9	915.4	914.8
142.5°	940.4	940.4	940.5	940.5	940.5	940.4	940.4	940.3	940.1	939.7	939.3
145°	975.3	975.6	976.0	976.4	976.0	975.6	975.3	974.9	974.6	974.4	974.2
147.5°	1005.6	1005.7	1006.0	1006.2	1006.0	1005.7	1005.6	1005.4	1005.2	1005.0	1004.9
150°	1024.8	1025.0	1025.2	1025.4	1025.2	1025.0	1024.8	1024.6	1024.5	1024.5	1024.5
152.5°	1042.2	1042.2	1042.0	1041.9	1042.0	1042.2	1042.2	1042.3	1042.2	1042.0	1041.6
155°	1065.8	1065.2	1064.6	1064.1	1064.6	1065.2	1065.8	1066.3	1066.3	1065.5	1064.7
157.5°	1085.6	1084.6	1083.7	1082.6	1083.7	1084.6	1085.6	1086.6	1086.6	1085.6	1084.6
160°	1098.5	1097.3	1096.1	1095.0	1096.1	1097.3	1098.5	1099.6	1099.6	1098.5	1097.3
162.5°	1108.5	1107.2	1106.0	1104.7	1106.0	1107.2	1108.5	1109.8	1109.9	1108.8	1107.6
165°	1123.3	1121.6	1119.9	1118.2	1119.9	1121.6	1123.3	1125.1	1125.2	1123.7	1122.1
167.5°	1134.1	1132.2	1130.2	1128.3	1130.2	1132.2	1134.1	1136.0	1136.1	1134.5	1132.7
170°	1140.3	1138.4	1136.4	1134.5	1136.4	1138.4	1140.3	1142.2	1142.4	1140.8	1139.4
172.5°	1144.2	1142.1	1140.1	1138.0	1140.1	1142.1	1144.2	1146.2	1146.5	1145.0	1143.5
175°	1149.2	1146.9	1144.6	1142.3	1144.6	1146.9	1149.2	1151.4	1151.8	1150.0	1148.3
177.5°	1150.6	1148.7	1146.9	1145.0	1146.9	1148.7	1150.6	1152.4	1152.7	1151.4	1150.2
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



TEST NUMBER: P332607-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1056.7	1058.2	1064.0	1069.5	1076.1	1080.9	1084.2	1087.8	1095.5	1101.7	1107.6
5°	990.0	992.3	1004.2	1012.4	1026.7	1039.0	1048.6	1059.1	1071.5	1088.5	1104.1
7.5°	931.3	939.8	952.8	966.2	980.7	996.9	1011.0	1026.8	1048.2	1071.4	1095.5
10°	897.9	907.6	921.4	936.9	950.6	969.4	986.8	1005.6	1029.8	1058.3	1086.7
12.5°	864.6	880.5	890.9	909.4	924.3	939.7	958.2	982.8	1011.2	1041.0	1075.3
15°	822.9	831.6	851.7	861.8	882.9	906.6	925.0	949.7	977.1	1016.6	1055.1
17.5°	774.7	786.2	802.2	821.4	845.6	864.2	887.0	912.4	947.0	986.2	1034.3
20°	743.2	752.8	772.5	793.6	819.2	838.9	863.2	887.9	923.6	965.3	1015.6
22.5°	715.0	724.3	745.0	764.7	789.5	813.6	839.0	867.7	902.0	945.9	997.3
25°	671.3	683.6	702.0	722.1	746.0	773.4	800.9	826.6	863.2	909.4	964.4
27.5°	632.6	642.5	655.7	678.6	705.7	732.2	759.5	791.7	826.9	875.8	932.9
30°	607.6	616.8	630.1	651.2	676.3	704.7	733.1	764.2	800.9	849.5	907.6
32.5°	587.9	594.9	606.7	625.5	648.5	678.4	706.4	738.7	777.1	824.9	881.6
35°	558.6	564.6	569.2	587.0	607.6	635.2	663.5	697.8	734.9	780.3	837.1
37.5°	529.9	532.0	538.7	550.4	570.4	595.6	622.0	655.8	693.8	739.9	791.1
40°	512.4	513.3	517.5	528.4	545.9	569.6	595.3	628.7	664.9	708.4	759.2
42.5°	495.2	494.6	498.4	506.1	522.4	544.0	569.3	599.8	635.9	676.1	724.0
45°	468.0	468.0	467.1	473.5	486.7	507.8	528.9	558.2	588.4	627.8	668.1
47.5°	439.6	437.0	437.8	441.2	452.3	469.7	490.9	514.9	541.6	574.9	610.2
50°	421.3	417.6	416.2	419.9	430.0	445.1	465.2	486.3	511.5	540.8	571.0
52.5°	401.1	397.4	395.0	397.5	406.9	420.9	439.2	457.7	480.4	504.2	530.4
55°	370.0	365.8	364.5	365.4	372.3	383.2	398.8	415.8	432.7	452.5	470.7
57.5°	339.3	332.5	331.2	330.8	335.5	345.6	358.6	373.3	385.6	397.5	417.1
60°	319.2	310.9	308.2	307.7	311.4	319.6	331.6	346.2	354.9	363.1	380.0
62.5°	297.6	289.6	283.6	284.3	287.6	295.4	305.9	316.5	322.3	331.2	342.7
65°	264.2	254.2	249.6	248.2	250.0	256.4	264.7	271.6	277.9	281.6	292.6
67.5°	230.9	222.5	215.7	214.0	213.2	217.6	224.4	228.5	233.1	236.3	242.8
70°	207.4	200.1	191.8	189.1	188.6	192.3	198.7	199.1	205.6	207.0	213.9
72.5°	184.3	175.2	169.5	166.8	164.9	168.2	172.4	173.6	177.0	179.5	183.0
75°	148.4	141.5	136.0	131.9	130.5	132.3	132.3	134.7	136.9	138.3	142.4
77.5°	116.8	108.9	102.4	100.0	98.3	97.2	98.2	99.5	98.4	100.8	101.8
80°	94.8	86.5	81.5	80.6	77.8	75.6	75.1	76.5	74.6	75.6	78.3
82.5°	73.2	67.8	62.4	61.6	58.0	56.9	56.4	55.6	55.6	55.4	56.0
85°	43.5	40.3	36.6	34.4	33.0	30.7	30.7	29.8	28.8	27.9	28.4
87.5°	21.6	20.7	18.5	17.1	16.0	14.3	13.9	12.4	11.6	10.8	10.1
90°	20.1	18.9	17.4	15.8	14.3	12.8	11.0	8.9	6.8	4.6	2.6
92.5°	19.4	18.3	16.7	15.2	13.6	12.1	11.3	11.2	11.0	10.9	10.8
95°	20.1	18.9	18.7	18.5	18.3	18.2	21.3	27.8	34.3	40.8	47.3
97.5°	22.8	22.7	44.0	65.3	86.6	108.0	116.6	112.5	108.5	104.4	100.4
100°	34.6	37.8	64.1	90.6	116.9	143.3	154.7	151.3	147.8	144.4	140.9
102.5°	147.1	182.2	185.6	189.1	192.5	196.0	196.4	193.9	191.4	188.9	186.3
105°	269.9	268.2	267.3	266.2	265.3	264.3	263.3	262.2	261.0	259.8	258.7
107.5°	335.2	334.3	333.0	331.7	330.5	329.2	328.2	327.6	327.1	326.5	325.9
110°	379.4	379.0	377.9	376.8	375.6	374.4	373.6	373.0	372.5	371.9	371.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	422.3	422.3	421.8	421.3	420.8	420.3	419.5	418.4	417.4	416.4	415.3
115°	485.2	484.7	484.9	485.2	485.3	485.5	485.3	484.7	484.2	483.6	483.0
117.5°	549.3	549.4	549.0	548.5	548.1	547.7	547.2	546.4	545.6	544.8	544.1
120°	588.3	587.9	588.1	588.3	588.5	588.7	588.4	587.6	586.9	586.1	585.3
122.5°	627.3	627.1	626.8	626.5	626.3	626.0	625.7	625.2	624.7	624.3	623.8
125°	681.3	680.7	681.1	681.5	681.9	682.3	682.1	681.3	680.5	679.8	679.0
127.5°	736.0	736.1	735.2	734.3	733.5	732.5	732.0	731.8	731.7	731.4	731.2
130°	768.6	768.4	767.8	767.2	766.7	766.1	765.7	765.5	765.3	765.2	765.0
132.5°	800.9	800.7	800.0	799.3	798.6	797.8	797.3	796.9	796.6	796.3	795.9
135°	845.2	844.9	844.1	843.3	842.6	841.8	841.5	841.7	842.0	842.1	842.3
137.5°	887.9	887.5	886.7	885.9	885.0	884.2	883.7	883.6	883.6	883.5	883.4
140°	914.2	913.7	913.3	912.9	912.5	912.1	911.7	911.4	911.0	910.6	910.2
142.5°	938.8	938.4	938.1	938.0	937.7	937.5	937.0	936.3	935.6	935.0	934.3
145°	974.0	973.8	973.8	973.8	973.8	973.8	973.5	972.9	972.4	971.8	971.2
147.5°	1004.8	1004.6	1004.8	1005.0	1005.1	1005.4	1005.0	1003.8	1002.8	1001.7	1000.7
150°	1024.5	1024.5	1024.8	1024.9	1025.1	1025.3	1025.0	1024.2	1023.5	1022.7	1021.9
152.5°	1041.4	1041.0	1041.4	1041.7	1042.1	1042.4	1042.2	1041.6	1041.0	1040.4	1039.8
155°	1063.9	1063.2	1063.8	1064.4	1065.0	1065.5	1065.7	1065.5	1065.3	1065.1	1065.0
157.5°	1083.7	1082.6	1083.3	1083.9	1084.6	1085.2	1085.6	1085.7	1085.8	1086.0	1086.1
160°	1096.1	1095.0	1095.2	1095.4	1095.6	1095.8	1096.1	1096.7	1097.3	1097.9	1098.5
162.5°	1106.5	1105.4	1105.5	1105.7	1105.9	1106.1	1106.6	1107.2	1108.0	1108.7	1109.5
165°	1120.6	1119.0	1119.0	1119.0	1119.0	1119.0	1119.6	1120.5	1121.5	1122.4	1123.3
167.5°	1131.1	1129.4	1129.5	1129.6	1129.7	1129.9	1130.4	1131.4	1132.4	1133.4	1134.4
170°	1137.8	1136.3	1136.1	1135.9	1135.7	1135.5	1136.0	1137.1	1138.2	1139.4	1140.6
172.5°	1141.9	1140.4	1140.2	1140.1	1139.8	1139.6	1140.1	1141.3	1142.4	1143.6	1144.7
175°	1146.6	1144.9	1144.7	1144.5	1144.3	1144.1	1144.6	1145.7	1146.9	1148.1	1149.2
177.5°	1149.0	1147.8	1147.5	1147.2	1146.9	1146.6	1146.9	1148.1	1149.1	1150.1	1151.2
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1112.8	1116.4	1121.2	1129.2	1132.1	1135.8	1140.9	1140.6	1142.0	1147.5	1159.3
5°	1116.9	1131.0	1144.8	1161.2	1178.7	1190.1	1205.7	1215.3	1224.9	1237.3	1258.4
7.5°	1118.5	1141.0	1166.2	1195.2	1220.9	1250.6	1273.8	1295.5	1315.2	1341.4	1366.4
10°	1115.9	1146.2	1178.7	1215.3	1254.2	1287.2	1317.0	1350.8	1379.7	1411.3	1439.7
12.5°	1111.2	1147.6	1191.1	1232.2	1277.6	1326.4	1363.5	1397.7	1436.1	1472.5	1516.2
15°	1100.4	1150.3	1201.1	1255.2	1316.0	1372.3	1425.9	1470.3	1511.6	1566.1	1623.3
17.5°	1086.7	1140.5	1204.6	1270.0	1333.6	1398.0	1464.3	1531.1	1583.1	1650.8	1695.6
20°	1073.8	1136.1	1202.0	1279.9	1343.5	1423.7	1489.6	1554.2	1625.6	1692.9	1746.5
22.5°	1055.8	1124.0	1193.9	1271.4	1355.2	1435.4	1511.6	1581.7	1653.0	1726.2	1791.1
25°	1033.0	1094.8	1177.8	1265.7	1349.0	1436.0	1523.5	1611.4	1688.3	1765.7	1826.2
27.5°	994.2	1072.3	1149.4	1240.2	1332.8	1431.2	1524.7	1616.8	1697.4	1761.0	1798.5
30°	974.5	1042.2	1126.0	1217.1	1317.4	1423.2	1520.7	1610.9	1686.0	1736.9	1752.0
32.5°	945.1	1015.1	1097.1	1191.5	1297.6	1406.4	1507.9	1593.0	1655.6	1682.3	1664.1
35°	901.6	964.8	1047.7	1144.4	1254.6	1370.5	1470.8	1542.7	1574.8	1549.5	1486.9
37.5°	849.5	912.1	995.3	1090.2	1204.4	1322.2	1412.8	1464.6	1454.0	1391.3	1297.8
40°	812.8	871.4	950.6	1053.2	1164.5	1282.6	1362.3	1390.3	1360.9	1271.2	1171.8
42.5°	772.1	829.3	908.9	1007.8	1125.7	1234.6	1304.1	1306.3	1257.2	1150.0	1050.2
45°	710.2	764.7	839.8	942.9	1051.8	1154.4	1200.1	1177.8	1087.1	983.6	883.3
47.5°	649.1	696.4	770.4	868.2	971.7	1058.1	1080.7	1040.3	943.7	843.3	750.4
50°	604.4	652.0	721.7	815.1	914.9	989.5	1000.6	946.9	852.2	751.0	678.2
52.5°	561.5	608.8	675.9	762.3	853.8	921.0	921.4	859.5	765.0	674.8	607.1
55°	498.7	541.2	601.7	679.1	760.6	813.2	800.5	736.3	654.4	576.1	516.9
57.5°	438.1	475.1	530.8	595.4	667.2	710.6	689.3	627.6	554.4	488.0	443.2
60°	398.8	434.1	481.7	542.6	603.0	637.0	616.8	560.9	493.6	440.1	401.1
62.5°	360.8	390.5	436.3	489.1	545.2	570.3	552.3	497.2	439.0	390.6	359.0
65°	306.8	331.1	367.7	413.0	453.8	475.3	460.2	408.9	364.5	329.7	304.5
67.5°	256.4	275.3	303.2	339.5	374.1	385.7	372.0	336.3	298.7	270.8	253.0
70°	221.6	239.5	262.9	290.8	321.0	333.4	319.6	291.2	260.5	234.9	217.5
72.5°	191.2	205.1	224.7	248.7	272.2	284.6	275.3	248.0	222.1	203.0	188.2
75°	145.6	157.6	171.3	188.2	206.6	214.7	206.6	187.8	169.9	155.7	145.2
77.5°	105.9	112.3	122.9	135.5	147.0	153.3	146.2	133.5	122.5	112.8	107.6
80°	80.6	85.2	92.5	102.5	110.4	116.3	111.8	101.2	92.5	86.1	83.8
82.5°	58.6	61.7	66.5	74.0	79.2	82.2	80.2	72.6	69.1	63.4	61.0
85°	28.8	30.7	33.9	36.2	40.7	41.2	41.7	38.5	35.3	33.9	32.0
87.5°	10.8	11.6	13.2	14.6	16.4	17.1	17.1	17.4	16.3	16.1	14.9
90°	4.6	6.8	8.9	11.0	12.8	14.3	15.8	17.4	18.9	20.1	21.2
92.5°	10.9	11.0	11.2	11.3	12.1	13.6	15.2	16.7	18.3	19.4	20.5
95°	40.8	34.3	27.8	21.3	18.2	18.3	18.5	18.7	18.9	20.1	21.2
97.5°	104.4	108.5	112.5	116.6	108.0	86.6	65.3	44.0	22.7	22.8	22.9
100°	144.4	147.8	151.3	154.7	143.3	116.9	90.6	64.1	37.8	34.6	31.3
102.5°	188.9	191.4	193.9	196.4	196.0	192.5	189.1	185.6	182.2	147.1	112.2
105°	259.8	261.0	262.2	263.3	264.3	265.3	266.2	267.3	268.2	269.9	271.6
107.5°	326.5	327.1	327.6	328.2	329.2	330.5	331.7	333.0	334.3	335.2	336.0
110°	371.9	372.5	373.0	373.6	374.4	375.6	376.8	377.9	379.0	379.4	379.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	416.4	417.4	418.4	419.5	420.3	420.8	421.3	421.8	422.3	422.3	422.2
115°	483.6	484.2	484.7	485.3	485.5	485.3	485.2	484.9	484.7	485.2	485.5
117.5°	544.8	545.6	546.4	547.2	547.7	548.1	548.5	549.0	549.4	549.3	549.2
120°	586.1	586.9	587.6	588.4	588.7	588.5	588.3	588.1	587.9	588.3	588.7
122.5°	624.3	624.7	625.2	625.7	626.0	626.3	626.5	626.8	627.1	627.3	627.6
125°	679.8	680.5	681.3	682.1	682.3	681.9	681.5	681.1	680.7	681.3	681.9
127.5°	731.4	731.7	731.8	732.0	732.5	733.5	734.3	735.2	736.1	736.0	735.9
130°	765.2	765.3	765.5	765.7	766.1	766.7	767.2	767.8	768.4	768.6	768.8
132.5°	796.3	796.6	796.9	797.3	797.8	798.6	799.3	800.0	800.7	800.9	801.1
135°	842.1	842.0	841.7	841.5	841.8	842.6	843.3	844.1	844.9	845.2	845.7
137.5°	883.5	883.6	883.6	883.7	884.2	885.0	885.9	886.7	887.5	887.9	888.4
140°	910.6	911.0	911.4	911.7	912.1	912.5	912.9	913.3	913.7	914.2	914.8
142.5°	935.0	935.6	936.3	937.0	937.5	937.7	938.0	938.1	938.4	938.8	939.3
145°	971.8	972.4	972.9	973.5	973.8	973.8	973.8	973.8	973.8	974.0	974.2
147.5°	1001.7	1002.8	1003.8	1005.0	1005.4	1005.1	1005.0	1004.8	1004.6	1004.8	1004.9
150°	1022.7	1023.5	1024.2	1025.0	1025.3	1025.1	1024.9	1024.8	1024.5	1024.5	1024.5
152.5°	1040.4	1041.0	1041.6	1042.2	1042.4	1042.1	1041.7	1041.4	1041.0	1041.4	1041.6
155°	1065.1	1065.3	1065.5	1065.7	1065.5	1065.0	1064.4	1063.8	1063.2	1063.9	1064.7
157.5°	1086.0	1085.8	1085.7	1085.6	1085.2	1084.6	1083.9	1083.3	1082.6	1083.7	1084.6
160°	1097.9	1097.3	1096.7	1096.1	1095.8	1095.6	1095.4	1095.2	1095.0	1096.1	1097.3
162.5°	1108.7	1108.0	1107.2	1106.6	1106.1	1105.9	1105.7	1105.5	1105.4	1106.5	1107.6
165°	1122.4	1121.5	1120.5	1119.6	1119.0	1119.0	1119.0	1119.0	1119.0	1120.6	1122.1
167.5°	1133.4	1132.4	1131.4	1130.4	1129.9	1129.7	1129.6	1129.5	1129.4	1131.1	1132.7
170°	1139.4	1138.2	1137.1	1136.0	1135.5	1135.7	1135.9	1136.1	1136.3	1137.8	1139.4
172.5°	1143.6	1142.4	1141.3	1140.1	1139.6	1139.8	1140.1	1140.2	1140.4	1141.9	1143.5
175°	1148.1	1146.9	1145.7	1144.6	1144.1	1144.3	1144.5	1144.7	1144.9	1146.6	1148.3
177.5°	1150.1	1149.1	1148.1	1146.9	1146.6	1146.9	1147.2	1147.5	1147.8	1149.0	1150.2
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1165.1	1165.9	1169.2	1171.7	1172.4	1176.1	1176.5
5°	1267.5	1275.3	1290.4	1291.8	1294.1	1306.0	1296.8
7.5°	1387.5	1407.2	1420.5	1432.1	1436.3	1441.5	1440.5
10°	1464.4	1493.7	1508.4	1531.7	1532.7	1538.6	1534.9
12.5°	1541.7	1575.8	1602.5	1606.8	1626.4	1629.4	1634.6
15°	1651.2	1687.4	1724.5	1737.8	1764.8	1771.2	1781.3
17.5°	1754.2	1791.1	1817.1	1851.5	1862.6	1877.4	1867.3
20°	1810.6	1850.9	1883.9	1910.9	1922.4	1930.5	1929.7
22.5°	1844.7	1885.3	1912.0	1932.5	1943.2	1946.7	1946.5
25°	1866.0	1889.4	1897.6	1905.4	1893.5	1889.4	1891.2
27.5°	1806.6	1800.6	1779.1	1750.8	1721.6	1698.3	1685.7
30°	1724.9	1689.3	1656.7	1599.9	1570.6	1553.2	1537.7
32.5°	1609.2	1552.6	1490.0	1438.0	1404.7	1378.9	1375.0
35°	1410.8	1325.7	1249.2	1185.5	1152.5	1124.6	1118.2
37.5°	1199.5	1110.9	1042.2	986.1	950.6	930.9	912.5
40°	1059.1	983.2	915.3	867.7	840.8	826.6	815.1
42.5°	951.1	881.7	814.2	778.0	753.5	744.9	738.1
45°	801.8	737.3	690.5	663.1	648.8	634.2	627.3
47.5°	682.3	629.7	598.9	575.6	560.4	551.7	547.3
50°	614.5	571.4	544.0	526.2	512.4	505.5	501.9
52.5°	554.4	519.1	496.0	481.8	472.5	467.4	466.0
55°	477.6	450.6	435.9	423.6	416.7	412.2	410.3
57.5°	415.2	394.3	382.5	372.3	369.6	365.8	364.5
60°	374.1	358.1	348.0	341.1	338.9	334.2	335.2
62.5°	337.9	324.8	316.2	312.2	309.2	305.3	306.6
65°	285.8	276.1	271.6	267.9	264.2	261.9	263.7
67.5°	239.8	233.2	227.0	224.8	223.0	222.7	220.7
70°	209.7	204.2	198.7	197.3	197.3	195.5	195.1
72.5°	180.8	176.8	173.1	172.1	170.7	171.3	169.4
75°	139.7	136.5	135.1	133.7	133.3	133.3	131.9
77.5°	103.2	100.8	98.7	98.7	96.9	96.3	96.2
80°	78.3	77.4	75.6	75.6	74.6	75.1	74.2
82.5°	58.9	57.6	57.3	56.5	55.2	55.3	54.4
85°	31.6	30.2	29.8	28.4	27.5	28.4	27.5
87.5°	15.5	15.3	15.1	14.5	14.1	14.2	13.2
90°	22.4	23.5	24.3	24.6	25.1	25.4	25.7
92.5°	21.7	22.8	23.4	23.5	23.6	23.7	23.8
95°	22.4	23.5	24.2	24.4	24.5	24.7	24.9
97.5°	23.1	23.2	23.3	23.5	23.7	23.8	24.1
100°	28.1	24.8	23.3	23.5	23.7	23.8	24.1
102.5°	77.1	42.1	24.6	24.6	24.7	24.7	24.8
105°	273.3	275.0	272.5	265.6	258.7	251.8	245.0
107.5°	336.9	337.7	338.5	339.2	339.9	340.7	341.4
110°	380.2	380.6	381.1	381.6	382.2	382.8	383.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	422.1	422.1	422.4	423.1	423.9	424.6	425.2
115°	485.9	486.3	486.5	486.5	486.5	486.5	486.5
117.5°	549.1	549.1	549.1	549.0	548.9	548.8	548.7
120°	589.0	589.4	589.4	589.0	588.7	588.3	587.9
122.5°	627.8	628.0	627.9	627.6	627.2	626.8	626.4
125°	682.4	683.0	683.4	683.6	683.8	684.0	684.2
127.5°	735.7	735.6	735.5	735.4	735.2	735.0	734.9
130°	769.0	769.1	769.3	769.3	769.3	769.3	769.3
132.5°	801.3	801.5	801.5	801.3	801.2	801.1	800.9
135°	846.0	846.4	846.8	847.2	847.6	847.9	848.3
137.5°	888.8	889.2	889.3	889.2	889.2	889.0	888.9
140°	915.4	915.9	916.4	916.5	916.7	916.9	917.1
142.5°	939.7	940.1	940.3	940.4	940.4	940.5	940.5
145°	974.4	974.6	974.9	975.3	975.6	976.0	976.4
147.5°	1005.0	1005.2	1005.4	1005.6	1005.7	1006.0	1006.2
150°	1024.5	1024.5	1024.6	1024.8	1025.0	1025.2	1025.4
152.5°	1042.0	1042.2	1042.3	1042.2	1042.2	1042.0	1041.9
155°	1065.5	1066.3	1066.3	1065.8	1065.2	1064.6	1064.1
157.5°	1085.6	1086.6	1086.6	1085.6	1084.6	1083.7	1082.6
160°	1098.5	1099.6	1099.6	1098.5	1097.3	1096.1	1095.0
162.5°	1108.8	1109.9	1109.8	1108.5	1107.2	1106.0	1104.7
165°	1123.7	1125.2	1125.1	1123.3	1121.6	1119.9	1118.2
167.5°	1134.5	1136.1	1136.0	1134.1	1132.2	1130.2	1128.3
170°	1140.8	1142.4	1142.2	1140.3	1138.4	1136.4	1134.5
172.5°	1145.0	1146.5	1146.2	1144.2	1142.1	1140.1	1138.0
175°	1150.0	1151.8	1151.4	1149.2	1146.9	1144.6	1142.3
177.5°	1151.4	1152.7	1152.4	1150.6	1148.7	1146.9	1145.0
180°	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2	1149.2

(END OF REPORT)