

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: P332442-927

Luminaire Tested: **S123RDIW-S775D1320U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332442-927
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: S123RDIW-S775D1320U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1320 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6597.2 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

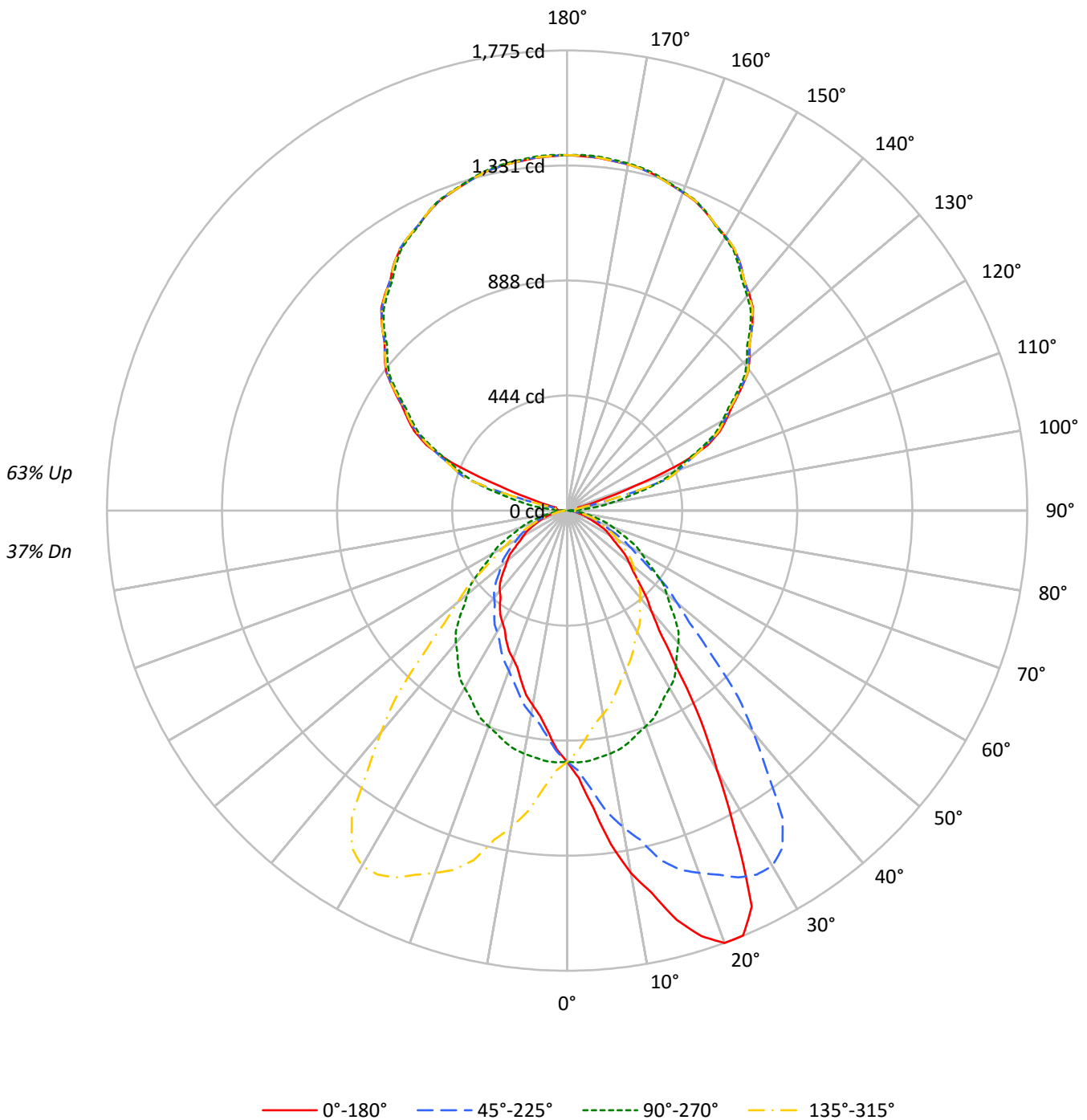
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37				
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	39	39	38	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27				
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24				
4	73	63	55	50	66	57	51	46	47	42	39	37	34	31	28	26	25	21				
5	67	56	48	43	61	51	45	39	42	37	33	34	30	27	26	23	22	18				
6	62	50	43	37	56	46	39	34	38	33	29	31	27	24	23	21	19	16				
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	14				
8	53	41	34	29	48	38	31	27	31	27	23	25	22	19	20	17	15	13				
9	49	38	30	26	45	35	28	24	29	24	21	23	20	17	18	16	14	12				
10	46	34	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10428	10428	10428	10428
5°	12431	10472	9223	10472
10°	15522	10413	8332	10413
15°	18219	10307	7598	10307
20°	20333	10148	6975	10148
25°	20009	9980	6590	9980
30°	14382	9825	6196	9825
35°	9603	9625	5941	9625
40°	7075	9382	5675	9382
45°	5934	8958	5416	8958
50°	5238	8403	5056	8403
55°	4592	7767	4560	7767
60°	4090	7160	4179	7160
65°	3591	6507	3889	6507
70°	2820	5926	3550	5926
75°	2483	5178	3244	5178
80°	2163	4395	3186	4395
85°	1741	3532	3384	3532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.4
10°-20°	297.7	4.5
20°-30°	467.6	7.1
30°-40°	487.9	7.4
40°-50°	417.5	6.3
50°-60°	318.2	4.8
60°-70°	204.0	3.1
70°-80°	98.1	1.5
80°-90°	29.8	0.5
90°-100°	49.8	0.8
100°-110°	237.6	3.6
110°-120°	570.6	8.6
120°-130°	726.7	11.0
130°-140°	776.4	11.8
140°-150°	726.0	11.0
150°-160°	585.6	8.9
160°-170°	378.0	5.7
170°-180°	130.3	2.0
0°-30°	860.6	13.0
0°-40°	1348.4	20.4
0°-60°	2084.2	31.6
0°-90°	2416.1	36.6
90°-120°	858.1	13.0
90°-150°	3087.2	46.8
90°-180°	4181.0	63.4
0°-180°	6597.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	969	969	969	969	969	
5°	1150	969	854	969	1150	119
15°	1635	925	682	925	1635	464
25°	1685	840	555	840	1685	724
35°	731	732	452	732	731	479
45°	390	588	356	588	390	307
55°	245	414	243	414	245	221
65°	141	256	153	256	141	139
75°	60	124	78	124	60	64
85°	14	29	27	29	14	17
90°	31	1	31	1	31	14
95°	39	62	39	62	39	32
105°	45	304	45	304	45	102
115°	599	569	599	569	599	553
125°	819	803	819	803	819	731
135°	1010	999	1010	999	1010	778
145°	1164	1153	1164	1153	1164	727
155°	1268	1270	1268	1270	1268	585
165°	1336	1340	1336	1340	1336	377
175°	1366	1371	1366	1371	1366	130
180°	1371	1371	1371	1371	1371	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1031.9	1033.2	1028.9	1028.3	1023.3	1021.9	1021.9	1014.9	1010.7	1005.0	1001.7
5°	1150.5	1157.1	1153.8	1146.4	1133.9	1131.0	1123.2	1110.7	1096.6	1079.2	1070.9
7.5°	1298.6	1307.7	1304.2	1292.7	1279.7	1269.2	1246.9	1226.2	1197.3	1171.9	1150.2
10°	1420.1	1410.6	1403.1	1391.9	1379.9	1360.3	1337.1	1305.2	1268.3	1239.3	1206.9
12.5°	1511.0	1509.4	1500.0	1488.4	1471.5	1452.9	1424.4	1385.5	1342.6	1300.7	1263.7
15°	1634.9	1637.4	1631.2	1619.1	1595.1	1562.3	1519.2	1503.0	1441.7	1396.1	1350.4
17.5°	1720.7	1720.2	1719.4	1702.7	1678.2	1654.9	1614.9	1572.3	1516.7	1452.5	1391.0
20°	1775.1	1771.0	1771.8	1753.1	1734.9	1707.9	1669.0	1607.2	1561.5	1487.3	1423.8
22.5°	1773.8	1773.0	1776.2	1769.7	1756.4	1735.8	1705.1	1653.0	1594.7	1519.8	1448.3
25°	1684.7	1681.4	1700.9	1706.3	1727.4	1731.2	1722.0	1693.4	1638.2	1561.1	1472.7
27.5°	1410.0	1408.2	1444.3	1489.6	1547.0	1591.7	1634.7	1655.6	1638.2	1583.0	1494.5
30°	1157.1	1196.1	1214.4	1279.9	1352.9	1440.0	1516.3	1588.9	1606.7	1582.7	1510.1
32.5°	960.8	994.7	1010.0	1066.2	1134.2	1236.3	1350.8	1453.5	1526.1	1544.5	1500.8
35°	730.8	731.2	766.0	790.9	854.0	958.9	1070.1	1207.8	1344.6	1448.3	1459.0
37.5°	583.1	585.2	606.3	631.1	678.3	733.9	831.7	946.2	1104.3	1263.5	1356.8
40°	503.5	507.2	523.0	547.5	581.5	623.4	699.7	807.6	939.4	1116.5	1261.2
42.5°	452.4	458.4	466.6	485.4	506.5	545.7	607.4	690.7	810.6	978.1	1145.1
45°	389.8	393.2	399.4	408.1	427.2	454.6	496.1	552.0	651.6	786.4	953.5
47.5°	343.9	342.1	348.7	355.8	368.4	387.1	414.9	460.7	531.6	639.8	781.6
50°	312.8	312.3	316.9	322.3	334.3	348.0	370.8	405.2	461.6	551.2	681.0
52.5°	283.5	285.1	288.4	295.1	303.7	314.8	335.3	360.0	408.5	485.8	594.1
55°	244.7	246.0	250.5	254.2	260.5	271.6	284.6	305.2	338.4	392.4	481.5
57.5°	211.8	211.3	215.6	216.6	223.6	232.7	242.7	258.8	282.9	322.9	382.9
60°	190.0	188.7	192.4	195.4	199.1	206.5	214.8	230.6	249.7	279.1	330.6
62.5°	170.1	169.4	172.2	175.1	178.2	185.0	191.9	204.1	219.1	244.0	284.8
65°	141.0	142.3	143.5	144.7	146.4	150.5	157.2	165.5	175.9	193.3	222.7
67.5°	110.8	112.1	112.5	115.0	118.6	121.2	125.2	132.6	139.8	154.6	171.3
70°	89.6	89.2	89.6	90.9	95.4	100.0	105.4	110.7	115.3	125.6	139.7
72.5°	77.0	76.2	77.3	77.6	79.8	81.0	84.4	89.5	95.4	102.4	112.6
75°	59.7	59.7	59.7	59.7	61.4	62.2	63.5	64.7	66.8	70.1	77.6
77.5°	44.1	44.2	44.8	45.2	45.6	46.0	46.8	48.0	48.8	50.5	53.8
80°	34.9	35.3	34.9	35.3	35.3	36.0	36.5	37.7	38.2	40.2	41.5
82.5°	26.2	26.0	26.2	26.6	26.6	27.5	27.6	28.4	28.5	29.6	30.9
85°	14.1	13.3	14.1	13.7	14.5	13.7	14.1	14.9	14.9	15.4	17.0
87.5°	9.4	10.0	9.3	9.5	9.4	9.6	9.4	9.3	9.7	9.2	9.0
90°	30.6	30.1	29.6	29.2	28.8	28.0	27.2	26.2	25.3	24.5	21.5
92.5°	33.8	33.5	33.3	33.0	32.7	31.8	30.4	29.0	27.5	26.1	23.8
95°	38.7	38.7	38.7	38.7	38.7	37.9	36.4	34.8	33.2	31.6	29.1
97.5°	42.0	41.7	41.5	41.3	41.0	40.0	38.3	36.4	34.6	32.8	49.1
100°	42.8	42.5	42.3	42.1	41.9	40.9	39.1	37.2	35.4	33.6	68.9
102.5°	43.6	43.2	42.8	42.4	42.0	44.6	50.1	55.8	61.4	67.0	105.6
105°	44.8	44.4	43.9	43.5	43.0	62.8	102.9	142.9	183.0	223.1	243.4
107.5°	140.8	171.0	201.1	231.4	261.6	291.4	320.8	350.1	379.5	408.8	405.7
110°	280.1	312.5	344.8	377.2	409.6	429.5	437.0	444.4	451.9	459.4	456.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	480.6	487.4	494.2	501.1	507.9	511.3	511.1	511.0	510.9	510.7	508.3
115°	599.0	598.0	597.1	596.2	595.3	593.7	591.4	589.2	586.9	584.7	582.7
117.5°	665.4	665.2	665.0	664.8	664.6	663.6	661.8	660.0	658.2	656.4	655.4
120°	711.0	711.0	711.0	711.0	711.0	710.1	708.3	706.5	704.6	702.8	702.2
122.5°	755.8	755.7	755.4	755.3	755.1	754.4	753.1	751.9	750.6	749.3	748.5
125°	819.0	818.5	818.1	817.6	817.1	816.7	816.3	815.8	815.3	814.9	814.0
127.5°	879.6	880.1	880.6	881.1	881.5	881.4	880.6	879.9	879.2	878.5	877.3
130°	918.8	919.2	919.7	920.1	920.6	920.4	919.5	918.5	917.7	916.7	915.8
132.5°	954.7	955.3	955.9	956.6	957.2	957.0	956.2	955.2	954.3	953.4	952.7
135°	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2	1011.5	1010.8	1010.1	1009.5	1008.5
137.5°	1061.0	1061.4	1061.9	1062.3	1062.8	1062.5	1061.4	1060.3	1059.2	1058.1	1057.6
140°	1091.9	1092.4	1092.8	1093.3	1093.8	1093.5	1092.7	1091.7	1090.8	1089.9	1089.3
142.5°	1120.5	1121.1	1121.7	1122.4	1123.0	1123.0	1122.2	1121.5	1120.8	1120.1	1119.4
145°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.0	1163.6	1163.2	1162.7	1162.2	1161.8
147.5°	1196.8	1197.9	1199.0	1200.0	1201.0	1201.3	1200.9	1200.4	1200.0	1199.5	1199.0
150°	1221.3	1222.0	1222.7	1223.4	1224.0	1224.2	1223.7	1223.2	1222.8	1222.3	1221.9
152.5°	1240.9	1241.9	1242.9	1244.0	1245.1	1245.2	1244.4	1243.5	1242.7	1241.9	1241.6
155°	1268.2	1269.6	1270.9	1272.2	1273.6	1273.7	1272.6	1271.5	1270.3	1269.2	1269.0
157.5°	1291.2	1292.9	1294.7	1296.5	1298.2	1298.5	1297.1	1295.8	1294.3	1293.0	1293.2
160°	1305.8	1307.4	1309.0	1310.6	1312.2	1312.3	1311.0	1309.6	1308.2	1306.9	1307.1
162.5°	1319.7	1321.1	1322.5	1323.9	1325.3	1325.2	1323.7	1322.2	1320.6	1319.1	1319.3
165°	1336.4	1338.0	1339.6	1341.2	1342.7	1342.7	1340.8	1339.0	1337.2	1335.4	1335.6
167.5°	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7	1353.8	1352.1	1350.3	1348.5	1348.5
170°	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0	1361.2	1359.4	1357.6	1355.7	1355.7
172.5°	1359.9	1361.8	1363.8	1365.8	1367.8	1367.9	1366.1	1364.3	1362.5	1360.7	1360.5
175°	1366.0	1367.8	1369.6	1371.4	1373.2	1373.3	1371.7	1370.2	1368.6	1367.0	1366.8
177.5°	1367.8	1369.6	1371.4	1373.2	1375.1	1375.2	1373.8	1372.3	1370.9	1369.4	1369.2
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1000.4	999.3	994.7	989.4	982.5	977.8	974.1	972.2	966.2	958.9	953.9
5°	1062.2	1049.7	1036.5	1020.3	1005.4	990.0	980.5	969.2	955.6	940.2	929.5
7.5°	1128.4	1104.0	1077.7	1050.6	1023.7	999.7	978.5	960.3	938.5	916.5	901.1
10°	1179.2	1143.4	1106.5	1068.8	1034.4	1002.0	977.2	952.7	926.5	901.3	882.2
12.5°	1225.3	1178.3	1135.8	1089.4	1045.4	1006.7	970.8	942.1	910.6	883.7	861.9
15°	1283.7	1235.6	1184.1	1113.6	1055.1	1006.2	962.7	924.9	886.8	853.6	832.4
17.5°	1338.2	1265.8	1196.7	1137.9	1061.9	1000.8	947.6	902.5	860.6	825.5	799.4
20°	1360.8	1290.7	1215.6	1140.6	1065.9	997.4	935.6	885.9	842.3	802.6	778.5
22.5°	1374.4	1295.0	1215.9	1135.3	1056.0	984.8	923.8	868.9	821.8	783.9	754.2
25°	1390.2	1295.7	1208.6	1128.9	1048.1	970.9	898.3	840.3	789.3	749.0	717.5
27.5°	1400.7	1289.4	1186.5	1098.0	1016.0	939.1	872.6	811.1	759.3	716.8	682.9
30°	1402.6	1284.4	1169.6	1073.8	990.4	919.9	849.4	790.5	735.8	690.5	659.0
32.5°	1405.3	1272.2	1146.7	1044.9	959.6	889.7	825.9	769.6	713.5	669.0	636.8
35°	1394.4	1265.4	1111.9	995.0	909.5	841.9	784.3	732.5	677.3	634.1	601.3
37.5°	1347.3	1238.4	1075.9	938.7	849.4	786.8	739.8	694.6	644.0	597.5	566.6
40°	1299.8	1211.9	1048.1	904.6	811.3	746.9	704.6	667.7	618.8	575.3	542.1
42.5°	1229.2	1175.8	1021.5	868.7	768.1	706.2	670.5	635.9	592.9	548.7	517.5
45°	1099.5	1106.5	967.2	811.7	708.4	646.2	612.6	588.5	550.4	513.9	482.0
47.5°	936.9	1002.8	903.4	750.8	645.4	587.0	557.7	536.7	511.0	475.2	446.0
50°	830.8	924.9	852.3	710.0	605.9	547.9	518.9	501.8	479.4	451.2	423.4
52.5°	732.8	834.0	790.6	664.6	563.2	510.1	481.7	467.7	449.9	423.3	398.2
55°	597.6	700.1	690.1	596.0	498.9	451.2	429.7	413.9	401.9	382.0	362.1
57.5°	483.5	580.6	585.7	519.7	442.4	395.2	376.7	364.8	357.0	341.9	323.5
60°	411.5	500.6	518.0	468.3	401.9	360.4	342.1	332.6	326.4	314.4	300.3
62.5°	351.7	427.6	447.3	411.5	363.1	324.2	310.0	300.8	296.5	286.1	273.7
65°	269.2	332.2	351.3	331.4	306.1	275.0	263.4	255.5	251.8	246.0	236.8
67.5°	202.4	248.3	269.3	255.2	246.1	226.5	219.0	214.8	211.5	207.6	199.9
70°	162.6	196.6	218.2	214.4	207.0	196.6	191.2	188.3	185.0	181.6	175.0
72.5°	130.7	154.2	174.4	176.3	170.2	168.0	163.3	162.1	160.1	156.1	152.5
75°	86.7	102.8	116.9	122.3	124.8	126.9	124.8	124.5	124.0	120.7	118.6
77.5°	56.8	65.5	74.4	83.6	87.5	90.3	91.0	92.5	91.4	89.7	88.6
80°	43.6	45.6	51.8	59.7	65.9	68.4	70.1	70.9	70.5	70.1	68.4
82.5°	31.6	33.4	36.3	41.8	47.1	51.2	52.2	52.0	52.9	53.2	51.8
85°	17.0	17.4	18.2	19.1	21.9	26.5	27.8	28.6	29.5	29.5	26.9
87.5°	9.0	8.1	8.2	7.7	8.2	8.1	9.6	10.9	11.6	10.7	11.2
90°	18.5	15.6	12.7	10.1	7.8	5.5	3.2	1.0	3.2	5.5	7.8
92.5°	21.6	19.4	17.2	16.4	17.0	17.7	18.3	18.9	18.3	17.7	17.0
95°	26.6	24.1	21.6	25.0	34.3	43.6	52.8	62.1	52.8	43.6	34.3
97.5°	65.4	81.7	98.0	108.2	112.4	116.5	120.7	124.8	120.7	116.5	112.4
100°	104.3	139.6	174.8	190.3	185.7	181.2	176.7	172.1	176.7	181.2	185.7
102.5°	144.2	182.8	221.3	239.0	235.7	232.4	229.2	225.9	229.2	232.4	235.7
105°	263.8	284.2	304.6	313.5	311.0	308.6	306.0	303.6	306.0	308.6	311.0
107.5°	402.4	399.3	396.0	393.4	391.4	389.4	387.5	385.5	387.5	389.4	391.4
110°	454.4	451.9	449.4	447.3	445.4	443.6	441.9	440.1	441.9	443.6	445.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	505.7	503.3	500.7	498.7	497.1	495.4	493.8	492.2	493.8	495.4	497.1
115°	580.6	578.5	576.6	574.8	573.5	572.1	570.8	569.4	570.8	572.1	573.5
117.5°	654.3	653.2	652.2	650.9	649.2	647.5	645.9	644.2	645.9	647.5	649.2
120°	701.5	700.8	700.1	698.8	696.7	694.7	692.7	690.6	692.7	694.7	696.7
122.5°	747.6	746.7	745.8	744.6	742.9	741.2	739.6	737.9	739.6	741.2	742.9
125°	813.1	812.1	811.3	809.9	808.1	806.3	804.5	802.6	804.5	806.3	808.1
127.5°	876.3	875.2	874.1	872.7	870.8	869.0	867.2	865.4	867.2	869.0	870.8
130°	915.0	914.0	913.1	911.8	910.0	908.2	906.3	904.5	906.3	908.2	910.0
132.5°	952.0	951.3	950.5	949.3	947.5	945.6	943.8	942.0	943.8	945.6	947.5
135°	1007.7	1006.7	1005.8	1004.7	1003.3	1002.0	1000.6	999.3	1000.6	1002.0	1003.3
137.5°	1057.2	1056.6	1056.1	1055.0	1053.3	1051.6	1049.9	1048.1	1049.9	1051.6	1053.3
140°	1088.5	1087.9	1087.2	1086.2	1084.8	1083.5	1082.1	1080.8	1082.1	1083.5	1084.8
142.5°	1118.7	1118.0	1117.4	1116.3	1115.0	1113.6	1112.2	1110.9	1112.2	1113.6	1115.0
145°	1161.3	1160.9	1160.4	1159.4	1157.9	1156.3	1154.7	1153.1	1154.7	1156.3	1157.9
147.5°	1198.6	1198.2	1197.7	1197.0	1195.9	1194.8	1193.8	1192.8	1193.8	1194.8	1195.9
150°	1221.4	1221.0	1220.5	1220.0	1219.2	1218.6	1217.9	1217.3	1217.9	1218.6	1219.2
152.5°	1241.3	1241.1	1240.8	1240.5	1240.2	1239.8	1239.5	1239.2	1239.5	1239.8	1240.2
155°	1268.8	1268.5	1268.3	1268.4	1268.8	1269.3	1269.8	1270.2	1269.8	1269.3	1268.8
157.5°	1293.5	1293.7	1294.0	1294.0	1294.1	1294.2	1294.2	1294.3	1294.2	1294.2	1294.1
160°	1307.3	1307.6	1307.8	1308.0	1308.2	1308.4	1308.7	1308.9	1308.7	1308.4	1308.2
162.5°	1319.5	1319.8	1320.0	1320.4	1321.0	1321.6	1322.2	1322.8	1322.2	1321.6	1321.0
165°	1335.9	1336.1	1336.3	1336.7	1337.4	1338.1	1338.8	1339.5	1338.8	1338.1	1337.4
167.5°	1348.5	1348.5	1348.5	1348.8	1349.8	1350.7	1351.6	1352.5	1351.6	1350.7	1349.8
170°	1355.7	1355.7	1355.7	1356.2	1357.2	1358.0	1358.9	1359.9	1358.9	1358.0	1357.2
172.5°	1360.3	1360.1	1359.9	1360.4	1361.4	1362.6	1363.7	1364.8	1363.7	1362.6	1361.4
175°	1366.5	1366.3	1366.0	1366.5	1367.6	1368.8	1369.9	1371.0	1369.9	1368.8	1367.6
177.5°	1369.0	1368.9	1368.7	1369.0	1370.0	1370.9	1371.7	1372.7	1371.7	1370.9	1370.0
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	952.3	947.9	945.0	938.3	934.0	929.4	924.7	927.7	927.4	927.0	927.0
5°	920.4	910.8	902.1	890.9	883.8	875.1	868.5	867.7	869.3	863.5	860.2
7.5°	888.7	875.6	863.2	850.9	837.8	827.4	820.8	817.7	813.5	809.9	806.2
10°	866.4	851.0	839.0	823.7	809.6	797.2	789.3	783.9	780.9	778.1	772.7
12.5°	843.5	828.5	813.2	795.8	782.4	767.9	762.1	756.0	750.4	747.2	739.8
15°	810.0	790.5	774.4	756.1	741.2	727.1	718.7	706.7	705.0	700.9	693.5
17.5°	776.4	755.3	732.9	719.5	702.6	687.9	675.3	671.2	659.3	654.9	648.4
20°	749.9	730.4	713.4	695.5	671.1	657.4	647.5	642.1	632.5	626.7	622.5
22.5°	727.0	707.2	687.5	666.7	646.5	631.1	623.8	615.4	610.3	602.1	597.6
25°	694.3	672.7	649.1	626.7	612.2	600.6	588.9	581.5	574.0	570.3	562.0
27.5°	656.3	633.7	611.6	594.7	576.9	565.4	554.8	548.2	539.2	533.0	528.4
30°	635.4	608.9	589.8	574.4	551.6	540.8	533.0	524.7	518.0	511.4	506.8
32.5°	611.2	586.9	568.9	549.9	532.3	520.6	510.4	503.1	497.4	491.2	486.6
35°	573.1	552.9	534.2	515.1	502.2	490.2	478.2	472.0	466.6	460.8	456.6
37.5°	538.8	519.8	502.1	484.0	468.1	458.3	448.6	443.9	436.6	432.7	428.4
40°	517.6	498.9	479.8	462.5	445.8	438.4	429.7	422.6	416.0	413.1	408.5
42.5°	494.4	475.7	459.6	440.8	427.3	417.2	409.1	401.4	396.4	392.2	389.6
45°	459.9	443.4	427.6	408.9	396.1	387.4	378.3	371.2	366.6	363.8	359.2
47.5°	426.5	410.0	394.0	377.6	365.2	355.3	346.2	341.3	335.2	331.6	328.6
50°	402.3	387.4	370.3	355.5	343.0	333.0	325.6	319.3	313.9	309.4	307.4
52.5°	380.1	364.2	349.4	335.6	322.4	311.2	304.4	297.8	293.7	288.5	286.1
55°	343.4	328.0	315.6	301.9	289.1	279.6	271.2	265.5	261.3	255.5	252.2
57.5°	309.0	295.2	280.4	268.5	255.2	247.2	240.3	232.4	227.4	222.8	219.6
60°	285.7	270.0	257.1	246.0	234.3	223.9	217.8	211.5	206.1	201.5	198.7
62.5°	261.6	247.8	235.6	223.4	212.8	203.7	196.5	191.3	186.6	183.6	180.8
65°	224.3	213.6	201.1	191.2	181.3	174.6	168.8	164.2	160.9	158.8	156.4
67.5°	190.2	179.7	168.9	159.1	152.5	147.4	143.6	139.7	138.0	135.4	133.7
70°	167.9	157.2	147.7	140.2	133.6	129.8	127.3	124.5	122.8	119.5	117.8
72.5°	143.8	135.9	129.0	122.9	117.6	114.2	111.1	107.5	104.9	101.2	99.6
75°	113.2	106.2	100.8	96.6	93.3	88.7	84.2	80.5	79.2	78.0	77.6
77.5°	83.9	79.4	75.5	72.0	67.9	64.6	63.5	62.7	62.4	61.8	61.8
80°	65.9	61.8	58.9	54.7	52.3	52.3	52.3	51.4	51.8	51.8	51.8
82.5°	49.0	45.2	43.6	42.1	41.7	42.0	42.0	42.1	41.9	42.5	42.2
85°	25.3	25.7	26.5	26.1	26.5	26.5	27.4	26.9	27.4	26.5	27.4
87.5°	11.3	12.8	13.7	14.7	15.6	15.8	16.3	16.6	17.0	17.2	17.3
90°	10.1	12.7	15.6	18.5	21.5	24.5	25.3	26.2	27.2	28.0	28.8
92.5°	16.4	17.2	19.4	21.6	23.8	26.1	27.5	29.0	30.4	31.8	32.7
95°	25.0	21.6	24.1	26.6	29.1	31.6	33.2	34.8	36.4	37.9	38.7
97.5°	108.2	98.0	81.7	65.4	49.1	32.8	34.6	36.4	38.3	40.0	41.0
100°	190.3	174.8	139.6	104.3	68.9	33.6	35.4	37.2	39.1	40.9	41.9
102.5°	239.0	221.3	182.8	144.2	105.6	67.0	61.4	55.8	50.1	44.6	42.0
105°	313.5	304.6	284.2	263.8	243.4	223.1	183.0	142.9	102.9	62.8	43.0
107.5°	393.4	396.0	399.3	402.4	405.7	408.8	379.5	350.1	320.8	291.4	261.6
110°	447.3	449.4	451.9	454.4	456.9	459.4	451.9	444.4	437.0	429.5	409.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	498.7	500.7	503.3	505.7	508.3	510.7	510.9	511.0	511.1	511.3	507.9
115°	574.8	576.6	578.5	580.6	582.7	584.7	586.9	589.2	591.4	593.7	595.3
117.5°	650.9	652.2	653.2	654.3	655.4	656.4	658.2	660.0	661.8	663.6	664.6
120°	698.8	700.1	700.8	701.5	702.2	702.8	704.6	706.5	708.3	710.1	711.0
122.5°	744.6	745.8	746.7	747.6	748.5	749.3	750.6	751.9	753.1	754.4	755.1
125°	809.9	811.3	812.1	813.1	814.0	814.9	815.3	815.8	816.3	816.7	817.1
127.5°	872.7	874.1	875.2	876.3	877.3	878.5	879.2	879.9	880.6	881.4	881.5
130°	911.8	913.1	914.0	915.0	915.8	916.7	917.7	918.5	919.5	920.4	920.6
132.5°	949.3	950.5	951.3	952.0	952.7	953.4	954.3	955.2	956.2	957.0	957.2
135°	1004.7	1005.8	1006.7	1007.7	1008.5	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2
137.5°	1055.0	1056.1	1056.6	1057.2	1057.6	1058.1	1059.2	1060.3	1061.4	1062.5	1062.8
140°	1086.2	1087.2	1087.9	1088.5	1089.3	1089.9	1090.8	1091.7	1092.7	1093.5	1093.8
142.5°	1116.3	1117.4	1118.0	1118.7	1119.4	1120.1	1120.8	1121.5	1122.2	1123.0	1123.0
145°	1159.4	1160.4	1160.9	1161.3	1161.8	1162.2	1162.7	1163.2	1163.6	1164.0	1164.3
147.5°	1197.0	1197.7	1198.2	1198.6	1199.0	1199.5	1200.0	1200.4	1200.9	1201.3	1201.0
150°	1220.0	1220.5	1221.0	1221.4	1221.9	1222.3	1222.8	1223.2	1223.7	1224.2	1224.0
152.5°	1240.5	1240.8	1241.1	1241.3	1241.6	1241.9	1242.7	1243.5	1244.4	1245.2	1245.1
155°	1268.4	1268.3	1268.5	1268.8	1269.0	1269.2	1270.3	1271.5	1272.6	1273.7	1273.6
157.5°	1294.0	1294.0	1293.7	1293.5	1293.2	1293.0	1294.3	1295.8	1297.1	1298.5	1298.2
160°	1308.0	1307.8	1307.6	1307.3	1307.1	1306.9	1308.2	1309.6	1311.0	1312.3	1312.2
162.5°	1320.4	1320.0	1319.8	1319.5	1319.3	1319.1	1320.6	1322.2	1323.7	1325.2	1325.3
165°	1336.7	1336.3	1336.1	1335.9	1335.6	1335.4	1337.2	1339.0	1340.8	1342.7	1342.7
167.5°	1348.8	1348.5	1348.5	1348.5	1348.5	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7
170°	1356.2	1355.7	1355.7	1355.7	1355.7	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0
172.5°	1360.4	1359.9	1360.1	1360.3	1360.5	1360.7	1362.5	1364.3	1366.1	1367.9	1367.8
175°	1366.5	1366.0	1366.3	1366.5	1366.8	1367.0	1368.6	1370.2	1371.7	1373.3	1373.2
177.5°	1369.0	1368.7	1368.9	1369.0	1369.2	1369.4	1370.9	1372.3	1373.8	1375.2	1375.1
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332442-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	923.1	922.7	923.1	921.7	923.1	922.7	923.1	927.0	927.0	927.4	927.7
5°	859.0	858.5	857.3	853.6	857.3	858.5	859.0	860.2	863.5	869.3	867.7
7.5°	803.0	802.4	798.8	798.8	798.8	802.4	803.0	806.2	809.9	813.5	817.7
10°	769.8	770.2	765.2	762.3	765.2	770.2	769.8	772.7	778.1	780.9	783.9
12.5°	737.6	735.7	731.7	728.5	731.7	735.7	737.6	739.8	747.2	750.4	756.0
15°	695.1	690.9	681.0	681.8	681.0	690.9	695.1	693.5	700.9	705.0	706.7
17.5°	645.1	642.1	641.8	636.0	641.8	642.1	645.1	648.4	654.9	659.3	671.2
20°	615.9	613.9	614.7	608.9	614.7	613.9	615.9	622.5	626.7	632.5	642.1
22.5°	593.0	591.0	587.5	585.7	587.5	591.0	593.0	597.6	602.1	610.3	615.4
25°	559.5	556.2	552.9	554.9	552.9	556.2	559.5	562.0	570.3	574.0	581.5
27.5°	526.0	523.5	520.1	519.8	520.1	523.5	526.0	528.4	533.0	539.2	548.2
30°	504.8	502.2	500.6	498.5	500.6	502.2	504.8	506.8	511.4	518.0	524.7
32.5°	483.2	482.7	479.7	479.3	479.7	482.7	483.2	486.6	491.2	497.4	503.1
35°	455.0	452.5	451.6	452.1	451.6	452.5	455.0	456.6	460.8	466.6	472.0
37.5°	428.2	424.8	423.3	421.9	423.3	424.8	428.2	428.4	432.7	436.6	443.9
40°	408.9	405.6	404.8	403.9	404.8	405.6	408.9	408.5	413.1	416.0	422.6
42.5°	387.4	386.0	385.6	384.0	385.6	386.0	387.4	389.6	392.2	396.4	401.4
45°	357.9	357.5	355.1	355.8	355.1	357.5	357.9	359.2	363.8	366.6	371.2
47.5°	326.9	325.1	323.4	324.5	323.4	325.1	326.9	328.6	331.6	335.2	341.3
50°	305.7	304.8	301.1	301.9	301.1	304.8	305.7	307.4	309.4	313.9	319.3
52.5°	284.5	281.3	279.9	279.4	279.9	281.3	284.5	286.1	288.5	293.7	297.8
55°	249.3	245.5	243.8	243.0	243.8	245.5	249.3	252.2	255.5	261.3	265.5
57.5°	214.8	213.7	212.5	213.3	212.5	213.7	214.8	219.6	222.8	227.4	232.4
60°	194.5	194.5	194.5	194.1	194.5	194.5	194.5	198.7	201.5	206.1	211.5
62.5°	179.0	177.9	177.6	178.2	177.6	177.9	179.0	180.8	183.6	186.6	191.3
65°	155.1	154.7	153.0	152.7	153.0	154.7	155.1	156.4	158.8	160.9	164.2
67.5°	132.6	131.1	130.6	130.1	130.6	131.1	132.6	133.7	135.4	138.0	139.7
70°	115.7	114.9	112.4	112.8	112.4	114.9	115.7	117.8	119.5	122.8	124.5
72.5°	97.4	96.6	96.2	95.5	96.2	96.6	97.4	99.6	101.2	104.9	107.5
75°	77.2	76.8	76.3	78.0	76.3	76.8	77.2	77.6	78.0	79.2	80.5
77.5°	61.8	61.8	62.0	61.4	62.0	61.8	61.8	61.8	61.8	62.4	62.7
80°	51.8	51.8	51.4	51.4	51.4	51.8	51.8	51.8	51.8	51.8	51.4
82.5°	41.6	41.9	42.1	41.5	42.1	41.9	41.6	42.2	42.5	41.9	42.1
85°	27.4	26.9	27.8	27.4	27.8	26.9	27.4	27.4	26.5	27.4	26.9
87.5°	18.1	17.5	17.7	18.1	17.7	17.5	18.1	17.3	17.2	17.0	16.6
90°	29.2	29.6	30.1	30.6	30.1	29.6	29.2	28.8	28.0	27.2	26.2
92.5°	33.0	33.3	33.5	33.8	33.5	33.3	33.0	32.7	31.8	30.4	29.0
95°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	37.9	36.4	34.8
97.5°	41.3	41.5	41.7	42.0	41.7	41.5	41.3	41.0	40.0	38.3	36.4
100°	42.1	42.3	42.5	42.8	42.5	42.3	42.1	41.9	40.9	39.1	37.2
102.5°	42.4	42.8	43.2	43.6	43.2	42.8	42.4	42.0	44.6	50.1	55.8
105°	43.5	43.9	44.4	44.8	44.4	43.9	43.5	43.0	62.8	102.9	142.9
107.5°	231.4	201.1	171.0	140.8	171.0	201.1	231.4	261.6	291.4	320.8	350.1
110°	377.2	344.8	312.5	280.1	312.5	344.8	377.2	409.6	429.5	437.0	444.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	501.1	494.2	487.4	480.6	487.4	494.2	501.1	507.9	511.3	511.1	511.0
115°	596.2	597.1	598.0	599.0	598.0	597.1	596.2	595.3	593.7	591.4	589.2
117.5°	664.8	665.0	665.2	665.4	665.2	665.0	664.8	664.6	663.6	661.8	660.0
120°	711.0	711.0	711.0	711.0	711.0	711.0	711.0	711.0	710.1	708.3	706.5
122.5°	755.3	755.4	755.7	755.8	755.7	755.4	755.3	755.1	754.4	753.1	751.9
125°	817.6	818.1	818.5	819.0	818.5	818.1	817.6	817.1	816.7	816.3	815.8
127.5°	881.1	880.6	880.1	879.6	880.1	880.6	881.1	881.5	881.4	880.6	879.9
130°	920.1	919.7	919.2	918.8	919.2	919.7	920.1	920.6	920.4	919.5	918.5
132.5°	956.6	955.9	955.3	954.7	955.3	955.9	956.6	957.2	957.0	956.2	955.2
135°	1011.5	1010.8	1010.1	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2	1011.5	1010.8
137.5°	1062.3	1061.9	1061.4	1061.0	1061.4	1061.9	1062.3	1062.8	1062.5	1061.4	1060.3
140°	1093.3	1092.8	1092.4	1091.9	1092.4	1092.8	1093.3	1093.8	1093.5	1092.7	1091.7
142.5°	1122.4	1121.7	1121.1	1120.5	1121.1	1121.7	1122.4	1123.0	1123.0	1122.2	1121.5
145°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.0	1163.6	1163.2
147.5°	1200.0	1199.0	1197.9	1196.8	1197.9	1199.0	1200.0	1201.0	1201.3	1200.9	1200.4
150°	1223.4	1222.7	1222.0	1221.3	1222.0	1222.7	1223.4	1224.0	1224.2	1223.7	1223.2
152.5°	1244.0	1242.9	1241.9	1240.9	1241.9	1242.9	1244.0	1245.1	1245.2	1244.4	1243.5
155°	1272.2	1270.9	1269.6	1268.2	1269.6	1270.9	1272.2	1273.6	1273.7	1272.6	1271.5
157.5°	1296.5	1294.7	1292.9	1291.2	1292.9	1294.7	1296.5	1298.2	1298.5	1297.1	1295.8
160°	1310.6	1309.0	1307.4	1305.8	1307.4	1309.0	1310.6	1312.2	1312.3	1311.0	1309.6
162.5°	1323.9	1322.5	1321.1	1319.7	1321.1	1322.5	1323.9	1325.3	1325.2	1323.7	1322.2
165°	1341.2	1339.6	1338.0	1336.4	1338.0	1339.6	1341.2	1342.7	1342.7	1340.8	1339.0
167.5°	1353.8	1352.1	1350.3	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7	1353.8	1352.1
170°	1361.2	1359.4	1357.6	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0	1361.2	1359.4
172.5°	1365.8	1363.8	1361.8	1359.9	1361.8	1363.8	1365.8	1367.8	1367.9	1366.1	1364.3
175°	1371.4	1369.6	1367.8	1366.0	1367.8	1369.6	1371.4	1373.2	1373.3	1371.7	1370.2
177.5°	1373.2	1371.4	1369.6	1367.8	1369.6	1371.4	1373.2	1375.1	1375.2	1373.8	1372.3
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	924.7	929.4	934.0	938.3	945.0	947.9	952.3	953.9	958.9	966.2	972.2
5°	868.5	875.1	883.8	890.9	902.1	910.8	920.4	929.5	940.2	955.6	969.2
7.5°	820.8	827.4	837.8	850.9	863.2	875.6	888.7	901.1	916.5	938.5	960.3
10°	789.3	797.2	809.6	823.7	839.0	851.0	866.4	882.2	901.3	926.5	952.7
12.5°	762.1	767.9	782.4	795.8	813.2	828.5	843.5	861.9	883.7	910.6	942.1
15°	718.7	727.1	741.2	756.1	774.4	790.5	810.0	832.4	853.6	886.8	924.9
17.5°	675.3	687.9	702.6	719.5	732.9	755.3	776.4	799.4	825.5	860.6	902.5
20°	647.5	657.4	671.1	695.5	713.4	730.4	749.9	778.5	802.6	842.3	885.9
22.5°	623.8	631.1	646.5	666.7	687.5	707.2	727.0	754.2	783.9	821.8	868.9
25°	588.9	600.6	612.2	626.7	649.1	672.7	694.3	717.5	749.0	789.3	840.3
27.5°	554.8	565.4	576.9	594.7	611.6	633.7	656.3	682.9	716.8	759.3	811.1
30°	533.0	540.8	551.6	574.4	589.8	608.9	635.4	659.0	690.5	735.8	790.5
32.5°	510.4	520.6	532.3	549.9	568.9	586.9	611.2	636.8	669.0	713.5	769.6
35°	478.2	490.2	502.2	515.1	534.2	552.9	573.1	601.3	634.1	677.3	732.5
37.5°	448.6	458.3	468.1	484.0	502.1	519.8	538.8	566.6	597.5	644.0	694.6
40°	429.7	438.4	445.8	462.5	479.8	498.9	517.6	542.1	575.3	618.8	667.7
42.5°	409.1	417.2	427.3	440.8	459.6	475.7	494.4	517.5	548.7	592.9	635.9
45°	378.3	387.4	396.1	408.9	427.6	443.4	459.9	482.0	513.9	550.4	588.5
47.5°	346.2	355.3	365.2	377.6	394.0	410.0	426.5	446.0	475.2	511.0	536.7
50°	325.6	333.0	343.0	355.5	370.3	387.4	402.3	423.4	451.2	479.4	501.8
52.5°	304.4	311.2	322.4	335.6	349.4	364.2	380.1	398.2	423.3	449.9	467.7
55°	271.2	279.6	289.1	301.9	315.6	328.0	343.4	362.1	382.0	401.9	413.9
57.5°	240.3	247.2	255.2	268.5	280.4	295.2	309.0	323.5	341.9	357.0	364.8
60°	217.8	223.9	234.3	246.0	257.1	270.0	285.7	300.3	314.4	326.4	332.6
62.5°	196.5	203.7	212.8	223.4	235.6	247.8	261.6	273.7	286.1	296.5	300.8
65°	168.8	174.6	181.3	191.2	201.1	213.6	224.3	236.8	246.0	251.8	255.5
67.5°	143.6	147.4	152.5	159.1	168.9	179.7	190.2	199.9	207.6	211.5	214.8
70°	127.3	129.8	133.6	140.2	147.7	157.2	167.9	175.0	181.6	185.0	188.3
72.5°	111.1	114.2	117.6	122.9	129.0	135.9	143.8	152.5	156.1	160.1	162.1
75°	84.2	88.7	93.3	96.6	100.8	106.2	113.2	118.6	120.7	124.0	124.5
77.5°	63.5	64.6	67.9	72.0	75.5	79.4	83.9	88.6	89.7	91.4	92.5
80°	52.3	52.3	52.3	54.7	58.9	61.8	65.9	68.4	70.1	70.5	70.9
82.5°	42.0	42.0	41.7	42.1	43.6	45.2	49.0	51.8	53.2	52.9	52.0
85°	27.4	26.5	26.5	26.1	26.5	25.7	25.3	26.9	29.5	29.5	28.6
87.5°	16.3	15.8	15.6	14.7	13.7	12.8	11.3	11.2	10.7	11.6	10.9
90°	25.3	24.5	21.5	18.5	15.6	12.7	10.1	7.8	5.5	3.2	1.0
92.5°	27.5	26.1	23.8	21.6	19.4	17.2	16.4	17.0	17.7	18.3	18.9
95°	33.2	31.6	29.1	26.6	24.1	21.6	25.0	34.3	43.6	52.8	62.1
97.5°	34.6	32.8	49.1	65.4	81.7	98.0	108.2	112.4	116.5	120.7	124.8
100°	35.4	33.6	68.9	104.3	139.6	174.8	190.3	185.7	181.2	176.7	172.1
102.5°	61.4	67.0	105.6	144.2	182.8	221.3	239.0	235.7	232.4	229.2	225.9
105°	183.0	223.1	243.4	263.8	284.2	304.6	313.5	311.0	308.6	306.0	303.6
107.5°	379.5	408.8	405.7	402.4	399.3	396.0	393.4	391.4	389.4	387.5	385.5
110°	451.9	459.4	456.9	454.4	451.9	449.4	447.3	445.4	443.6	441.9	440.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	510.9	510.7	508.3	505.7	503.3	500.7	498.7	497.1	495.4	493.8	492.2
115°	586.9	584.7	582.7	580.6	578.5	576.6	574.8	573.5	572.1	570.8	569.4
117.5°	658.2	656.4	655.4	654.3	653.2	652.2	650.9	649.2	647.5	645.9	644.2
120°	704.6	702.8	702.2	701.5	700.8	700.1	698.8	696.7	694.7	692.7	690.6
122.5°	750.6	749.3	748.5	747.6	746.7	745.8	744.6	742.9	741.2	739.6	737.9
125°	815.3	814.9	814.0	813.1	812.1	811.3	809.9	808.1	806.3	804.5	802.6
127.5°	879.2	878.5	877.3	876.3	875.2	874.1	872.7	870.8	869.0	867.2	865.4
130°	917.7	916.7	915.8	915.0	914.0	913.1	911.8	910.0	908.2	906.3	904.5
132.5°	954.3	953.4	952.7	952.0	951.3	950.5	949.3	947.5	945.6	943.8	942.0
135°	1010.1	1009.5	1008.5	1007.7	1006.7	1005.8	1004.7	1003.3	1002.0	1000.6	999.3
137.5°	1059.2	1058.1	1057.6	1057.2	1056.6	1056.1	1055.0	1053.3	1051.6	1049.9	1048.1
140°	1090.8	1089.9	1089.3	1088.5	1087.9	1087.2	1086.2	1084.8	1083.5	1082.1	1080.8
142.5°	1120.8	1120.1	1119.4	1118.7	1118.0	1117.4	1116.3	1115.0	1113.6	1112.2	1110.9
145°	1162.7	1162.2	1161.8	1161.3	1160.9	1160.4	1159.4	1157.9	1156.3	1154.7	1153.1
147.5°	1200.0	1199.5	1199.0	1198.6	1198.2	1197.7	1197.0	1195.9	1194.8	1193.8	1192.8
150°	1222.8	1222.3	1221.9	1221.4	1221.0	1220.5	1220.0	1219.2	1218.6	1217.9	1217.3
152.5°	1242.7	1241.9	1241.6	1241.3	1241.1	1240.8	1240.5	1240.2	1239.8	1239.5	1239.2
155°	1270.3	1269.2	1269.0	1268.8	1268.5	1268.3	1268.4	1268.8	1269.3	1269.8	1270.2
157.5°	1294.3	1293.0	1293.2	1293.5	1293.7	1294.0	1294.0	1294.1	1294.2	1294.2	1294.3
160°	1308.2	1306.9	1307.1	1307.3	1307.6	1307.8	1308.0	1308.2	1308.4	1308.7	1308.9
162.5°	1320.6	1319.1	1319.3	1319.5	1319.8	1320.0	1320.4	1321.0	1321.6	1322.2	1322.8
165°	1337.2	1335.4	1335.6	1335.9	1336.1	1336.3	1336.7	1337.4	1338.1	1338.8	1339.5
167.5°	1350.3	1348.5	1348.5	1348.5	1348.5	1348.5	1348.8	1349.8	1350.7	1351.6	1352.5
170°	1357.6	1355.7	1355.7	1355.7	1355.7	1355.7	1356.2	1357.2	1358.0	1358.9	1359.9
172.5°	1362.5	1360.7	1360.5	1360.3	1360.1	1359.9	1360.4	1361.4	1362.6	1363.7	1364.8
175°	1368.6	1367.0	1366.8	1366.5	1366.3	1366.0	1366.5	1367.6	1368.8	1369.9	1371.0
177.5°	1370.9	1369.4	1369.2	1369.0	1368.9	1368.7	1369.0	1370.0	1370.9	1371.7	1372.7
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	974.1	977.8	982.5	989.4	994.7	999.3	1000.4	1001.7	1005.0	1010.7	1014.9
5°	980.5	990.0	1005.4	1020.3	1036.5	1049.7	1062.2	1070.9	1079.2	1096.6	1110.7
7.5°	978.5	999.7	1023.7	1050.6	1077.7	1104.0	1128.4	1150.2	1171.9	1197.3	1226.2
10°	977.2	1002.0	1034.4	1068.8	1106.5	1143.4	1179.2	1206.9	1239.3	1268.3	1305.2
12.5°	970.8	1006.7	1045.4	1089.4	1135.8	1178.3	1225.3	1263.7	1300.7	1342.6	1385.5
15°	962.7	1006.2	1055.1	1113.6	1184.1	1235.6	1283.7	1350.4	1396.1	1441.7	1503.0
17.5°	947.6	1000.8	1061.9	1137.9	1196.7	1265.8	1338.2	1391.0	1452.5	1516.7	1572.3
20°	935.6	997.4	1065.9	1140.6	1215.6	1290.7	1360.8	1423.8	1487.3	1561.5	1607.2
22.5°	923.8	984.8	1056.0	1135.3	1215.9	1295.0	1374.4	1448.3	1519.8	1594.7	1653.0
25°	898.3	970.9	1048.1	1128.9	1208.6	1295.7	1390.2	1472.7	1561.1	1638.2	1693.4
27.5°	872.6	939.1	1016.0	1098.0	1186.5	1289.4	1400.7	1494.5	1583.0	1638.2	1655.6
30°	849.4	919.9	990.4	1073.8	1169.6	1284.4	1402.6	1510.1	1582.7	1606.7	1588.9
32.5°	825.9	889.7	959.6	1044.9	1146.7	1272.2	1405.3	1500.8	1544.5	1526.1	1453.5
35°	784.3	841.9	909.5	995.0	1111.9	1265.4	1394.4	1459.0	1448.3	1344.6	1207.8
37.5°	739.8	786.8	849.4	938.7	1075.9	1238.4	1347.3	1356.8	1263.5	1104.3	946.2
40°	704.6	746.9	811.3	904.6	1048.1	1211.9	1299.8	1261.2	1116.5	939.4	807.6
42.5°	670.5	706.2	768.1	868.7	1021.5	1175.8	1229.2	1145.1	978.1	810.6	690.7
45°	612.6	646.2	708.4	811.7	967.2	1106.5	1099.5	953.5	786.4	651.6	552.0
47.5°	557.7	587.0	645.4	750.8	903.4	1002.8	936.9	781.6	639.8	531.6	460.7
50°	518.9	547.9	605.9	710.0	852.3	924.9	830.8	681.0	551.2	461.6	405.2
52.5°	481.7	510.1	563.2	664.6	790.6	834.0	732.8	594.1	485.8	408.5	360.0
55°	429.7	451.2	498.9	596.0	690.1	700.1	597.6	481.5	392.4	338.4	305.2
57.5°	376.7	395.2	442.4	519.7	585.7	580.6	483.5	382.9	322.9	282.9	258.8
60°	342.1	360.4	401.9	468.3	518.0	500.6	411.5	330.6	279.1	249.7	230.6
62.5°	310.0	324.2	363.1	411.5	447.3	427.6	351.7	284.8	244.0	219.1	204.1
65°	263.4	275.0	306.1	331.4	351.3	332.2	269.2	222.7	193.3	175.9	165.5
67.5°	219.0	226.5	246.1	255.2	269.3	248.3	202.4	171.3	154.6	139.8	132.6
70°	191.2	196.6	207.0	214.4	218.2	196.6	162.6	139.7	125.6	115.3	110.7
72.5°	163.3	168.0	170.2	176.3	174.4	154.2	130.7	112.6	102.4	95.4	89.5
75°	124.8	126.9	124.8	122.3	116.9	102.8	86.7	77.6	70.1	66.8	64.7
77.5°	91.0	90.3	87.5	83.6	74.4	65.5	56.8	53.8	50.5	48.8	48.0
80°	70.1	68.4	65.9	59.7	51.8	45.6	43.6	41.5	40.2	38.2	37.7
82.5°	52.2	51.2	47.1	41.8	36.3	33.4	31.6	30.9	29.6	28.5	28.4
85°	27.8	26.5	21.9	19.1	18.2	17.4	17.0	17.0	15.4	14.9	14.9
87.5°	9.6	8.1	8.2	7.7	8.2	8.1	9.0	9.0	9.2	9.7	9.3
90°	3.2	5.5	7.8	10.1	12.7	15.6	18.5	21.5	24.5	25.3	26.2
92.5°	18.3	17.7	17.0	16.4	17.2	19.4	21.6	23.8	26.1	27.5	29.0
95°	52.8	43.6	34.3	25.0	21.6	24.1	26.6	29.1	31.6	33.2	34.8
97.5°	120.7	116.5	112.4	108.2	98.0	81.7	65.4	49.1	32.8	34.6	36.4
100°	176.7	181.2	185.7	190.3	174.8	139.6	104.3	68.9	33.6	35.4	37.2
102.5°	229.2	232.4	235.7	239.0	221.3	182.8	144.2	105.6	67.0	61.4	55.8
105°	306.0	308.6	311.0	313.5	304.6	284.2	263.8	243.4	223.1	183.0	142.9
107.5°	387.5	389.4	391.4	393.4	396.0	399.3	402.4	405.7	408.8	379.5	350.1
110°	441.9	443.6	445.4	447.3	449.4	451.9	454.4	456.9	459.4	451.9	444.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	493.8	495.4	497.1	498.7	500.7	503.3	505.7	508.3	510.7	510.9	511.0
115°	570.8	572.1	573.5	574.8	576.6	578.5	580.6	582.7	584.7	586.9	589.2
117.5°	645.9	647.5	649.2	650.9	652.2	653.2	654.3	655.4	656.4	658.2	660.0
120°	692.7	694.7	696.7	698.8	700.1	700.8	701.5	702.2	702.8	704.6	706.5
122.5°	739.6	741.2	742.9	744.6	745.8	746.7	747.6	748.5	749.3	750.6	751.9
125°	804.5	806.3	808.1	809.9	811.3	812.1	813.1	814.0	814.9	815.3	815.8
127.5°	867.2	869.0	870.8	872.7	874.1	875.2	876.3	877.3	878.5	879.2	879.9
130°	906.3	908.2	910.0	911.8	913.1	914.0	915.0	915.8	916.7	917.7	918.5
132.5°	943.8	945.6	947.5	949.3	950.5	951.3	952.0	952.7	953.4	954.3	955.2
135°	1000.6	1002.0	1003.3	1004.7	1005.8	1006.7	1007.7	1008.5	1009.5	1010.1	1010.8
137.5°	1049.9	1051.6	1053.3	1055.0	1056.1	1056.6	1057.2	1057.6	1058.1	1059.2	1060.3
140°	1082.1	1083.5	1084.8	1086.2	1087.2	1087.9	1088.5	1089.3	1089.9	1090.8	1091.7
142.5°	1112.2	1113.6	1115.0	1116.3	1117.4	1118.0	1118.7	1119.4	1120.1	1120.8	1121.5
145°	1154.7	1156.3	1157.9	1159.4	1160.4	1160.9	1161.3	1161.8	1162.2	1162.7	1163.2
147.5°	1193.8	1194.8	1195.9	1197.0	1197.7	1198.2	1198.6	1199.0	1199.5	1200.0	1200.4
150°	1217.9	1218.6	1219.2	1220.0	1220.5	1221.0	1221.4	1221.9	1222.3	1222.8	1223.2
152.5°	1239.5	1239.8	1240.2	1240.5	1240.8	1241.1	1241.3	1241.6	1241.9	1242.7	1243.5
155°	1269.8	1269.3	1268.8	1268.4	1268.3	1268.5	1268.8	1269.0	1269.2	1270.3	1271.5
157.5°	1294.2	1294.2	1294.1	1294.0	1294.0	1293.7	1293.5	1293.2	1293.0	1294.3	1295.8
160°	1308.7	1308.4	1308.2	1308.0	1307.8	1307.6	1307.3	1307.1	1306.9	1308.2	1309.6
162.5°	1322.2	1321.6	1321.0	1320.4	1320.0	1319.8	1319.5	1319.3	1319.1	1320.6	1322.2
165°	1338.8	1338.1	1337.4	1336.7	1336.3	1336.1	1335.9	1335.6	1335.4	1337.2	1339.0
167.5°	1351.6	1350.7	1349.8	1348.8	1348.5	1348.5	1348.5	1348.5	1348.5	1350.3	1352.1
170°	1358.9	1358.0	1357.2	1356.2	1355.7	1355.7	1355.7	1355.7	1355.7	1357.6	1359.4
172.5°	1363.7	1362.6	1361.4	1360.4	1359.9	1360.1	1360.3	1360.5	1360.7	1362.5	1364.3
175°	1369.9	1368.8	1367.6	1366.5	1366.0	1366.3	1366.5	1366.8	1367.0	1368.6	1370.2
177.5°	1371.7	1370.9	1370.0	1369.0	1368.7	1368.9	1369.0	1369.2	1369.4	1370.9	1372.3
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1021.9	1021.9	1023.3	1028.3	1028.9	1033.2	1031.9
5°	1123.2	1131.0	1133.9	1146.4	1153.8	1157.1	1150.5
7.5°	1246.9	1269.2	1279.7	1292.7	1304.2	1307.7	1298.6
10°	1337.1	1360.3	1379.9	1391.9	1403.1	1410.6	1420.1
12.5°	1424.4	1452.9	1471.5	1488.4	1500.0	1509.4	1511.0
15°	1519.2	1562.3	1595.1	1619.1	1631.2	1637.4	1634.9
17.5°	1614.9	1654.9	1678.2	1702.7	1719.4	1720.2	1720.7
20°	1669.0	1707.9	1734.9	1753.1	1771.8	1771.0	1775.1
22.5°	1705.1	1735.8	1756.4	1769.7	1776.2	1773.0	1773.8
25°	1722.0	1731.2	1727.4	1706.3	1700.9	1681.4	1684.7
27.5°	1634.7	1591.7	1547.0	1489.6	1444.3	1408.2	1410.0
30°	1516.3	1440.0	1352.9	1279.9	1214.4	1196.1	1157.1
32.5°	1350.8	1236.3	1134.2	1066.2	1010.0	994.7	960.8
35°	1070.1	958.9	854.0	790.9	766.0	731.2	730.8
37.5°	831.7	733.9	678.3	631.1	606.3	585.2	583.1
40°	699.7	623.4	581.5	547.5	523.0	507.2	503.5
42.5°	607.4	545.7	506.5	485.4	466.6	458.4	452.4
45°	496.1	454.6	427.2	408.1	399.4	393.2	389.8
47.5°	414.9	387.1	368.4	355.8	348.7	342.1	343.9
50°	370.8	348.0	334.3	322.3	316.9	312.3	312.8
52.5°	335.3	314.8	303.7	295.1	288.4	285.1	283.5
55°	284.6	271.6	260.5	254.2	250.5	246.0	244.7
57.5°	242.7	232.7	223.6	216.6	215.6	211.3	211.8
60°	214.8	206.5	199.1	195.4	192.4	188.7	190.0
62.5°	191.9	185.0	178.2	175.1	172.2	169.4	170.1
65°	157.2	150.5	146.4	144.7	143.5	142.3	141.0
67.5°	125.2	121.2	118.6	115.0	112.5	112.1	110.8
70°	105.4	100.0	95.4	90.9	89.6	89.2	89.6
72.5°	84.4	81.0	79.8	77.6	77.3	76.2	77.0
75°	63.5	62.2	61.4	59.7	59.7	59.7	59.7
77.5°	46.8	46.0	45.6	45.2	44.8	44.2	44.1
80°	36.5	36.0	35.3	35.3	34.9	35.3	34.9
82.5°	27.6	27.5	26.6	26.6	26.2	26.0	26.2
85°	14.1	13.7	14.5	13.7	14.1	13.3	14.1
87.5°	9.4	9.6	9.4	9.5	9.3	10.0	9.4
90°	27.2	28.0	28.8	29.2	29.6	30.1	30.6
92.5°	30.4	31.8	32.7	33.0	33.3	33.5	33.8
95°	36.4	37.9	38.7	38.7	38.7	38.7	38.7
97.5°	38.3	40.0	41.0	41.3	41.5	41.7	42.0
100°	39.1	40.9	41.9	42.1	42.3	42.5	42.8
102.5°	50.1	44.6	42.0	42.4	42.8	43.2	43.6
105°	102.9	62.8	43.0	43.5	43.9	44.4	44.8
107.5°	320.8	291.4	261.6	231.4	201.1	171.0	140.8
110°	437.0	429.5	409.6	377.2	344.8	312.5	280.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	511.1	511.3	507.9	501.1	494.2	487.4	480.6
115°	591.4	593.7	595.3	596.2	597.1	598.0	599.0
117.5°	661.8	663.6	664.6	664.8	665.0	665.2	665.4
120°	708.3	710.1	711.0	711.0	711.0	711.0	711.0
122.5°	753.1	754.4	755.1	755.3	755.4	755.7	755.8
125°	816.3	816.7	817.1	817.6	818.1	818.5	819.0
127.5°	880.6	881.4	881.5	881.1	880.6	880.1	879.6
130°	919.5	920.4	920.6	920.1	919.7	919.2	918.8
132.5°	956.2	957.0	957.2	956.6	955.9	955.3	954.7
135°	1011.5	1012.2	1012.2	1011.5	1010.8	1010.1	1009.5
137.5°	1061.4	1062.5	1062.8	1062.3	1061.9	1061.4	1061.0
140°	1092.7	1093.5	1093.8	1093.3	1092.8	1092.4	1091.9
142.5°	1122.2	1123.0	1123.0	1122.4	1121.7	1121.1	1120.5
145°	1163.6	1164.0	1164.3	1164.3	1164.3	1164.3	1164.3
147.5°	1200.9	1201.3	1201.0	1200.0	1199.0	1197.9	1196.8
150°	1223.7	1224.2	1224.0	1223.4	1222.7	1222.0	1221.3
152.5°	1244.4	1245.2	1245.1	1244.0	1242.9	1241.9	1240.9
155°	1272.6	1273.7	1273.6	1272.2	1270.9	1269.6	1268.2
157.5°	1297.1	1298.5	1298.2	1296.5	1294.7	1292.9	1291.2
160°	1311.0	1312.3	1312.2	1310.6	1309.0	1307.4	1305.8
162.5°	1323.7	1325.2	1325.3	1323.9	1322.5	1321.1	1319.7
165°	1340.8	1342.7	1342.7	1341.2	1339.6	1338.0	1336.4
167.5°	1353.8	1355.7	1355.7	1353.8	1352.1	1350.3	1348.5
170°	1361.2	1363.0	1363.0	1361.2	1359.4	1357.6	1355.7
172.5°	1366.1	1367.9	1367.8	1365.8	1363.8	1361.8	1359.9
175°	1371.7	1373.3	1373.2	1371.4	1369.6	1367.8	1366.0
177.5°	1373.8	1375.2	1375.1	1373.2	1371.4	1369.6	1367.8
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0

(END OF REPORT)