

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: P332764-840

Luminaire Tested: **S124DIW-S575D1340U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332764-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S575D1340U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7320.3 lumens
Efficiency: N/A
Efficacy: 136.1 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: Semi-Indirect

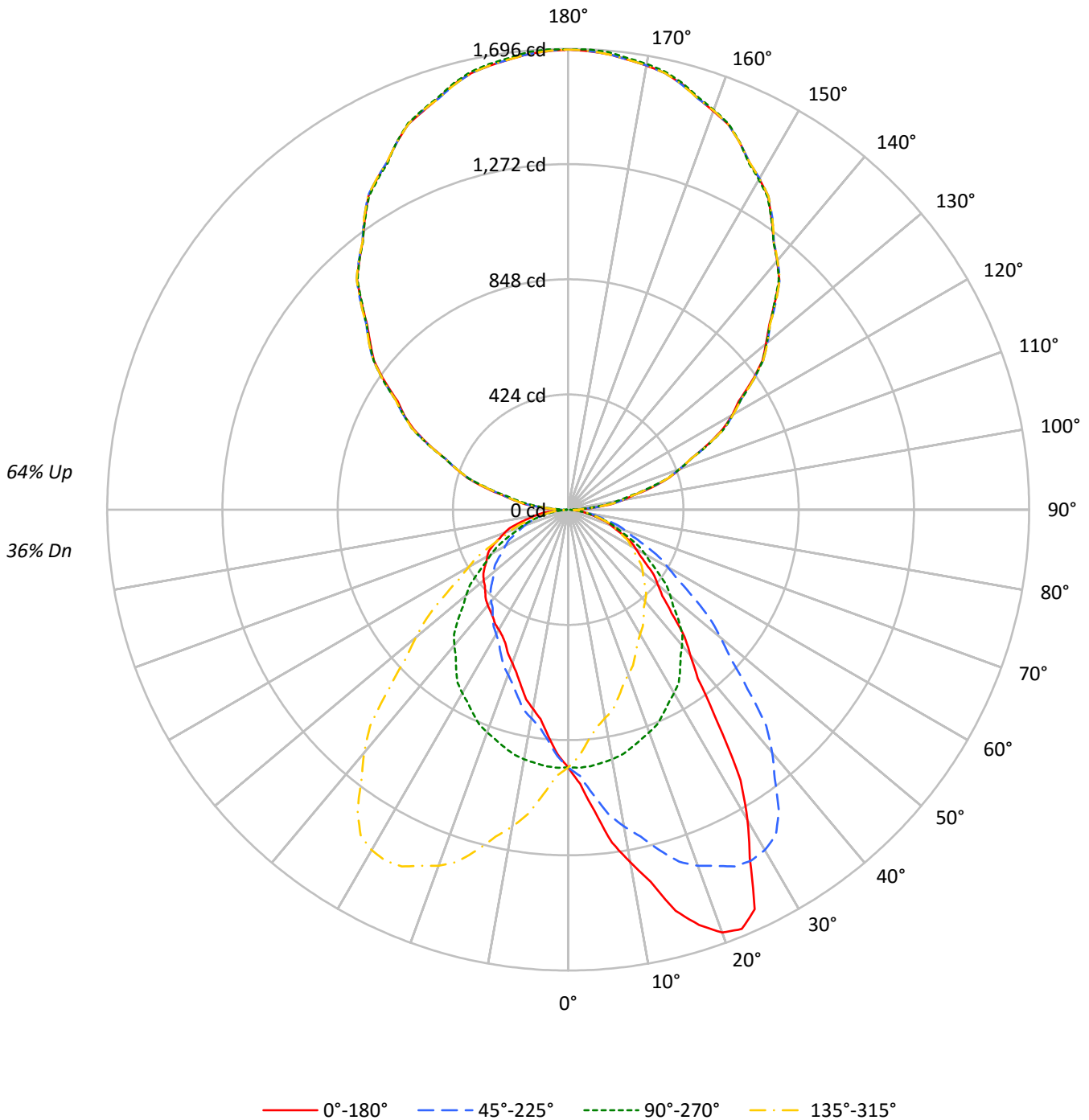
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7657	7657	7657	7657
5°	9018	7678	6776	7678
10°	10797	7643	6101	7643
15°	12774	7565	5602	7565
20°	14225	7487	5158	7487
25°	14455	7371	4851	7371
30°	12299	7260	4754	7260
35°	9456	7078	4755	7078
40°	7371	6866	4845	6866
45°	6146	6545	4925	6545
50°	5408	6154	5093	6154
55°	4954	5685	5298	5685
60°	4644	5265	5546	5265
65°	4323	4797	5748	4797
70°	3949	4331	5880	4331
75°	3531	3812	5808	3812
80°	2957	3124	5625	3124
85°	2177	2251	5391	2251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.3
10°-20°	284.8	3.9
20°-30°	451.7	6.2
30°-40°	502.6	6.9
40°-50°	457.5	6.3
50°-60°	373.9	5.1
60°-70°	266.9	3.6
70°-80°	147.0	2.0
80°-90°	45.2	0.6
90°-100°	111.7	1.5
100°-110°	330.9	4.5
110°-120°	561.6	7.7
120°-130°	740.5	10.1
130°-140°	831.6	11.4
140°-150°	817.2	11.2
150°-160°	687.3	9.4
160°-170°	457.3	6.2
170°-180°	160.1	2.2
0°-30°	828.9	11.3
0°-40°	1331.5	18.2
0°-60°	2162.9	29.5
0°-90°	2622.0	35.8
90°-120°	1004.2	13.7
90°-150°	3393.5	46.4
90°-180°	4698.0	64.2
0°-180°	7320.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	948	948	948	948	948	
5°	1113	947	836	947	1113	113
15°	1528	905	670	905	1528	432
25°	1623	828	545	828	1623	715
35°	960	718	482	718	960	609
45°	538	573	431	573	538	424
55°	352	404	376	404	352	318
65°	226	251	301	251	226	224
75°	113	122	186	122	113	120
85°	24	24	58	24	24	30
90°	39	4	39	4	39	21
95°	104	79	104	79	104	108
105°	320	305	320	305	320	337
115°	566	571	566	571	566	559
125°	825	832	825	832	825	736
135°	1074	1073	1074	1073	1074	829
145°	1304	1303	1304	1303	1304	816
155°	1492	1493	1492	1493	1492	687
165°	1621	1625	1621	1625	1621	457
175°	1683	1691	1683	1691	1683	160
180°	1693	1693	1693	1693	1693	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	1009.5	1009.2	1006.0	1005.4	1003.2	1000.4	999.8	994.7	984.6	980.0	978.7
5°	1112.8	1120.6	1110.3	1108.4	1107.2	1094.3	1087.6	1079.7	1061.7	1051.1	1042.8
7.5°	1236.0	1236.9	1232.4	1228.8	1218.8	1207.5	1190.5	1172.5	1150.9	1128.5	1111.7
10°	1317.1	1320.2	1315.1	1314.3	1294.2	1281.7	1256.6	1235.4	1210.9	1183.9	1159.1
12.5°	1402.6	1398.2	1395.5	1378.8	1375.0	1352.1	1322.9	1301.0	1263.4	1232.2	1199.3
15°	1528.4	1519.8	1514.3	1491.2	1479.8	1447.9	1416.8	1392.9	1343.8	1297.1	1261.6
17.5°	1602.4	1610.9	1598.2	1588.7	1559.2	1536.9	1505.2	1454.9	1416.4	1358.4	1313.7
20°	1655.8	1656.6	1649.5	1639.6	1616.5	1588.2	1553.6	1498.6	1452.6	1394.8	1333.5
22.5°	1670.2	1670.4	1667.4	1658.2	1640.6	1617.7	1582.9	1536.9	1481.3	1418.5	1357.2
25°	1622.8	1621.2	1624.8	1635.0	1628.3	1621.2	1601.1	1567.0	1515.1	1448.7	1382.7
27.5°	1446.4	1457.2	1477.2	1502.4	1526.6	1545.0	1550.2	1543.3	1511.1	1456.4	1387.4
30°	1319.4	1332.8	1347.7	1372.9	1421.6	1449.5	1480.2	1503.3	1490.4	1446.7	1382.3
32.5°	1179.8	1183.2	1205.3	1234.0	1278.6	1332.2	1380.8	1427.8	1443.5	1420.7	1366.9
35°	959.5	965.0	989.0	1017.2	1071.9	1137.5	1210.6	1275.8	1329.7	1351.3	1323.7
37.5°	783.0	798.8	815.7	846.1	894.2	953.3	1029.3	1113.6	1193.9	1247.6	1256.7
40°	699.4	709.2	721.4	744.6	785.5	843.6	908.8	1005.5	1090.8	1167.8	1193.0
42.5°	633.4	639.1	646.6	667.5	698.7	756.5	816.1	901.1	986.7	1078.8	1121.0
45°	538.3	544.2	556.7	569.0	592.5	632.6	688.0	757.9	843.9	932.8	1010.6
47.5°	469.6	473.4	480.9	493.9	513.9	540.4	585.4	643.8	723.6	809.8	892.7
50°	430.6	433.7	439.7	451.5	466.8	490.4	527.3	581.9	644.4	731.2	812.5
52.5°	399.8	401.1	405.5	413.4	425.7	445.5	475.7	520.9	579.1	656.4	737.4
55°	352.0	353.7	357.6	363.5	374.1	386.7	409.8	443.6	494.3	561.5	631.8
57.5°	312.8	313.9	317.2	319.4	328.2	338.4	356.2	380.3	418.8	475.7	538.6
60°	287.6	286.8	290.7	292.8	298.6	307.3	321.0	344.2	377.6	423.5	481.3
62.5°	263.1	262.0	265.3	267.9	271.2	278.6	289.9	308.0	335.2	376.8	426.7
65°	226.3	224.8	226.7	229.8	233.0	236.9	245.2	261.3	282.9	312.8	350.8
67.5°	189.3	191.1	191.4	192.9	194.7	200.1	205.7	217.1	232.4	256.3	288.5
70°	167.3	167.7	169.4	169.4	170.6	175.2	180.0	186.6	201.6	223.6	249.9
72.5°	145.4	147.0	146.4	147.6	148.6	151.7	155.1	161.5	174.2	190.6	212.8
75°	113.2	114.3	114.3	114.7	115.9	117.0	119.9	124.5	133.6	145.7	161.1
77.5°	82.5	82.7	83.2	84.6	84.6	86.5	88.6	92.3	96.8	105.1	114.5
80°	63.6	64.4	64.0	64.8	64.8	66.4	67.2	71.9	73.8	79.4	86.8
82.5°	46.7	47.5	47.4	48.5	49.1	49.4	50.5	52.4	54.3	59.3	62.3
85°	23.5	24.3	23.5	24.3	25.5	26.0	27.1	27.5	29.1	30.3	33.0
87.5°	14.7	15.6	15.5	15.7	16.2	16.3	16.3	15.6	16.5	16.5	17.3
90°	39.3	38.7	38.2	37.6	37.0	35.7	34.0	32.3	30.6	28.8	26.5
92.5°	58.2	57.8	57.5	57.1	56.8	56.0	55.0	53.9	52.9	51.9	50.2
95°	103.5	103.5	103.5	103.5	103.5	103.0	102.2	101.3	100.4	99.6	97.5
97.5°	162.2	162.2	162.2	162.2	162.2	161.6	160.6	159.6	158.4	157.4	155.0
100°	203.0	203.0	203.0	203.0	203.0	202.7	202.2	201.6	201.0	200.4	197.7
102.5°	249.1	248.8	248.6	248.4	248.1	247.6	246.8	246.0	245.2	244.4	242.0
105°	319.5	318.7	317.8	316.9	316.1	315.2	314.4	313.5	312.6	311.7	310.5
107.5°	388.2	388.3	388.3	388.4	388.4	388.1	387.2	386.4	385.6	384.8	384.7
110°	437.5	436.6	435.7	434.8	433.9	433.8	434.3	434.9	435.6	436.2	436.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.8	487.6	487.4	487.2	487.1	487.0	487.2	487.3	487.4	487.5	488.0
115°	565.8	566.0	566.3	566.6	566.9	567.2	567.5	567.8	568.2	568.4	569.0
117.5°	640.2	640.8	641.4	641.9	642.5	643.3	644.3	645.3	646.2	647.2	647.6
120°	696.7	696.2	695.6	695.0	694.4	694.9	696.3	697.8	699.2	700.6	701.6
122.5°	743.9	745.0	746.0	747.0	748.1	749.1	750.1	751.0	752.0	753.1	753.5
125°	825.1	825.7	826.3	826.9	827.4	828.0	828.6	829.2	829.7	830.3	830.6
127.5°	900.3	900.7	901.2	901.7	902.1	902.6	903.2	903.8	904.4	904.9	905.4
130°	949.5	950.7	951.8	953.0	954.2	955.0	955.6	956.2	956.7	957.4	957.4
132.5°	1001.9	1002.4	1002.8	1003.3	1003.8	1004.3	1004.9	1005.4	1006.0	1006.6	1006.8
135°	1073.9	1074.8	1075.7	1076.5	1077.4	1078.1	1078.7	1079.3	1079.9	1080.5	1080.5
137.5°	1149.6	1149.4	1149.3	1149.1	1148.9	1149.2	1150.0	1150.7	1151.4	1152.3	1151.8
140°	1195.8	1196.0	1196.3	1196.6	1196.9	1197.2	1197.5	1197.8	1198.1	1198.3	1198.3
142.5°	1241.8	1241.9	1241.9	1242.0	1242.0	1242.1	1242.2	1242.2	1242.3	1242.3	1242.6
145°	1304.4	1305.4	1306.2	1307.1	1308.0	1308.5	1308.8	1309.1	1309.4	1309.7	1309.4
147.5°	1367.9	1368.2	1368.4	1368.7	1369.0	1369.3	1369.5	1369.7	1370.0	1370.2	1370.4
150°	1406.6	1406.8	1407.1	1407.4	1407.8	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
152.5°	1442.2	1443.0	1443.7	1444.5	1445.2	1445.3	1444.6	1443.9	1443.2	1442.5	1442.3
155°	1491.8	1492.9	1494.1	1495.2	1496.4	1496.4	1495.2	1494.1	1492.9	1491.8	1492.0
157.5°	1536.0	1537.0	1537.9	1538.9	1539.9	1540.0	1539.1	1538.2	1537.4	1536.5	1536.6
160°	1561.2	1562.6	1564.1	1565.5	1566.9	1567.2	1566.4	1565.5	1564.6	1563.8	1564.1
162.5°	1587.3	1588.8	1590.2	1591.6	1593.2	1593.1	1591.5	1589.9	1588.4	1586.8	1587.1
165°	1621.3	1622.6	1623.7	1624.9	1626.1	1625.8	1624.0	1622.2	1620.5	1618.7	1619.3
167.5°	1645.8	1647.6	1649.3	1651.1	1652.9	1652.9	1651.2	1649.5	1647.8	1646.0	1646.0
170°	1659.4	1661.4	1663.4	1665.5	1667.5	1667.7	1665.9	1664.2	1662.4	1660.6	1660.4
172.5°	1670.9	1672.9	1675.0	1677.0	1679.0	1679.1	1677.1	1675.1	1673.1	1671.1	1671.1
175°	1682.9	1685.0	1687.0	1689.0	1691.1	1691.1	1689.0	1687.0	1685.0	1682.9	1683.2
177.5°	1689.2	1691.1	1692.9	1694.9	1696.7	1696.8	1695.2	1693.5	1691.9	1690.3	1690.3
180°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	979.0	974.6	971.5	969.0	962.0	958.0	954.8	950.4	945.3	940.0	933.4
5°	1034.6	1021.2	1011.4	996.4	982.3	970.5	958.4	947.4	933.9	919.5	908.8
7.5°	1093.0	1073.1	1047.6	1025.5	1000.7	979.1	959.8	940.0	919.4	899.4	881.1
10°	1130.0	1104.5	1076.2	1042.8	1011.4	983.5	957.6	932.4	908.1	883.6	862.8
12.5°	1169.9	1138.1	1096.3	1057.2	1022.1	984.7	953.4	922.6	893.2	867.7	843.3
15°	1223.6	1177.6	1129.2	1077.0	1030.7	987.0	944.2	905.2	872.3	838.5	815.0
17.5°	1256.5	1199.6	1144.4	1089.7	1033.6	978.6	932.4	887.6	846.2	812.6	782.9
20°	1278.2	1221.6	1152.9	1098.2	1031.4	974.8	921.4	871.5	828.3	792.5	761.8
22.5°	1297.1	1231.6	1162.9	1091.0	1024.5	964.4	905.9	855.8	811.6	774.0	744.6
25°	1307.3	1232.2	1157.5	1086.0	1010.6	939.5	886.5	827.5	780.3	740.6	709.2
27.5°	1308.4	1228.1	1143.7	1064.2	986.3	920.1	853.1	800.4	751.5	709.5	679.3
30°	1304.8	1221.2	1130.4	1044.4	966.2	894.2	836.2	778.8	728.8	687.2	655.8
32.5°	1293.8	1206.7	1113.5	1022.4	941.4	871.0	811.0	756.5	707.8	666.8	633.8
35°	1262.0	1176.0	1076.6	981.9	899.0	827.9	773.7	718.2	669.5	630.7	598.8
37.5°	1212.3	1134.5	1033.5	935.4	854.0	782.6	728.8	678.8	634.9	595.3	562.7
40°	1168.9	1100.6	999.2	903.7	815.7	747.7	697.4	651.5	607.8	570.5	539.5
42.5°	1118.9	1059.3	965.8	864.7	779.8	711.6	662.6	621.3	580.2	545.7	514.6
45°	1029.9	990.6	902.5	809.0	720.6	656.2	609.5	573.3	538.7	504.9	479.0
47.5°	927.4	907.9	833.7	745.0	661.1	597.5	557.0	523.6	493.3	464.6	441.8
50°	858.5	849.1	785.1	699.4	619.2	559.6	518.7	490.0	464.0	438.9	417.3
52.5°	790.6	790.3	732.6	654.1	580.0	522.4	481.9	455.0	432.6	412.1	392.7
55°	686.8	697.8	652.7	582.7	516.3	464.4	427.9	403.9	388.2	371.3	356.8
57.5°	591.5	609.8	572.5	510.9	455.4	407.7	375.9	357.9	341.1	330.9	320.3
60°	529.3	546.5	517.5	465.6	413.3	372.4	342.2	326.1	311.5	304.5	297.0
62.5°	473.9	489.4	467.8	419.7	374.4	335.1	309.5	294.1	284.3	276.5	271.6
65°	394.9	407.9	389.4	354.5	315.5	284.1	263.3	251.1	241.7	238.5	233.0
67.5°	319.2	331.0	321.0	291.3	260.1	236.3	220.0	208.3	202.8	200.0	196.1
70°	274.3	286.1	275.4	249.5	225.5	205.5	190.2	183.5	177.6	176.4	171.0
72.5°	236.2	244.3	233.6	213.4	192.9	175.9	164.1	157.1	154.0	151.9	149.0
75°	177.2	184.3	177.2	161.5	146.9	135.1	124.9	122.2	118.7	117.4	115.5
77.5°	125.4	131.6	126.1	116.3	105.4	96.3	90.9	87.4	86.5	84.5	85.4
80°	95.8	99.8	94.7	88.1	79.4	73.1	69.2	67.2	64.8	64.0	65.6
82.5°	68.9	70.6	68.0	63.5	57.1	52.9	50.3	48.0	47.6	47.7	47.7
85°	35.7	35.3	34.9	31.0	29.1	26.4	24.7	24.3	23.9	24.7	25.5
87.5°	16.8	16.7	15.9	14.0	12.4	10.9	9.9	9.0	9.9	10.9	11.8
90°	24.1	21.8	19.5	16.8	13.5	10.3	7.2	3.9	7.2	10.3	13.5
92.5°	48.6	47.0	45.3	42.7	39.0	35.3	31.7	28.1	31.7	35.3	39.0
95°	95.4	93.4	91.4	89.1	86.4	83.8	81.2	78.6	81.2	83.8	86.4
97.5°	152.7	150.3	147.8	145.6	143.5	141.5	139.4	137.2	139.4	141.5	143.5
100°	195.1	192.5	189.9	188.0	186.8	185.7	184.5	183.4	184.5	185.7	186.8
102.5°	239.6	237.2	234.8	233.4	233.0	232.5	232.1	231.6	232.1	232.5	233.0
105°	309.4	308.2	307.0	306.3	306.0	305.8	305.5	305.2	305.5	305.8	306.0
107.5°	384.5	384.3	384.1	383.8	383.4	383.1	382.7	382.4	382.7	383.1	383.4
110°	436.7	437.0	437.3	437.2	436.6	436.0	435.4	434.8	435.4	436.0	436.6



TEST NUMBER: P332764-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	488.5	489.1	489.6	489.8	489.7	489.5	489.4	489.3	489.4	489.5	489.7
115°	569.6	570.2	570.8	571.0	571.0	571.0	571.0	571.0	571.0	571.0	571.0
117.5°	648.0	648.4	648.8	648.9	648.7	648.5	648.2	648.0	648.2	648.5	648.7
120°	702.5	703.3	704.2	704.0	702.9	701.7	700.5	699.3	700.5	701.7	702.9
122.5°	753.9	754.3	754.7	754.7	754.2	753.8	753.3	752.8	753.3	753.8	754.2
125°	830.9	831.2	831.5	831.6	831.6	831.6	831.6	831.6	831.6	831.6	831.6
127.5°	905.9	906.4	906.9	906.7	905.7	904.9	904.0	903.1	904.0	904.9	905.7
130°	957.4	957.4	957.4	956.9	956.0	955.2	954.3	953.4	954.3	955.2	956.0
132.5°	1007.0	1007.3	1007.5	1007.3	1006.7	1006.0	1005.4	1004.8	1005.4	1006.0	1006.7
135°	1080.5	1080.5	1080.5	1079.6	1077.8	1076.1	1074.4	1072.6	1074.4	1076.1	1077.8
137.5°	1151.3	1150.8	1150.4	1149.7	1148.9	1148.1	1147.3	1146.5	1147.3	1148.1	1148.9
140°	1198.3	1198.3	1198.3	1198.1	1197.5	1196.9	1196.3	1195.8	1196.3	1196.9	1197.5
142.5°	1242.8	1243.0	1243.2	1243.1	1242.5	1241.9	1241.3	1240.8	1241.3	1241.9	1242.5
145°	1309.1	1308.8	1308.5	1307.8	1306.7	1305.5	1304.3	1303.1	1304.3	1305.5	1306.7
147.5°	1370.7	1370.9	1371.1	1370.5	1369.2	1367.8	1366.3	1364.9	1366.3	1367.8	1369.2
150°	1407.9	1407.9	1407.9	1407.3	1406.1	1405.0	1403.8	1402.7	1403.8	1405.0	1406.1
152.5°	1442.0	1441.8	1441.6	1441.1	1440.4	1439.7	1439.0	1438.2	1439.0	1439.7	1440.4
155°	1492.3	1492.6	1492.9	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0
157.5°	1536.6	1536.7	1536.7	1537.0	1537.5	1538.1	1538.6	1539.1	1538.6	1538.1	1537.5
160°	1564.4	1564.6	1564.9	1565.2	1565.5	1565.8	1566.1	1566.4	1566.1	1565.8	1565.5
162.5°	1587.4	1587.7	1588.0	1588.5	1589.2	1590.0	1590.7	1591.5	1590.7	1590.0	1589.2
165°	1619.9	1620.5	1621.1	1621.8	1622.7	1623.6	1624.5	1625.3	1624.5	1623.6	1622.7
167.5°	1645.9	1645.9	1645.8	1646.4	1647.6	1648.8	1650.0	1651.2	1650.0	1648.8	1647.6
170°	1660.1	1659.8	1659.5	1660.1	1661.5	1663.0	1664.5	1665.9	1664.5	1663.0	1661.5
172.5°	1671.0	1671.0	1670.9	1671.5	1672.7	1674.0	1675.2	1676.4	1675.2	1674.0	1672.7
175°	1683.5	1683.8	1684.1	1685.0	1686.5	1687.9	1689.3	1690.8	1689.3	1687.9	1686.5
177.5°	1690.3	1690.3	1690.3	1690.8	1692.0	1693.1	1694.4	1695.5	1694.4	1693.1	1692.0
180°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	930.3	927.5	923.3	917.7	913.0	908.0	906.7	904.8	908.6	905.4	904.5
5°	899.8	891.5	880.9	868.8	861.7	851.4	849.5	845.6	841.6	841.2	837.3
7.5°	867.5	855.4	841.5	829.1	817.6	806.5	799.1	797.6	791.7	788.4	784.5
10°	846.8	831.8	815.7	804.0	790.5	778.8	770.5	765.8	761.8	757.5	753.7
12.5°	822.2	806.4	793.0	780.3	764.5	755.5	741.9	733.8	733.0	733.1	722.9
15°	793.7	778.0	757.5	739.5	730.8	713.6	706.1	696.6	690.7	684.9	680.1
17.5°	761.1	741.5	725.6	704.8	688.3	674.6	664.7	659.0	650.3	641.9	635.8
20°	740.6	719.8	703.0	681.0	662.9	646.0	637.7	629.9	623.2	616.1	609.5
22.5°	719.9	698.1	677.5	656.1	639.2	621.5	613.5	602.8	596.4	592.5	585.8
25°	687.2	663.7	640.1	619.7	602.4	586.6	576.0	567.7	560.7	557.5	553.2
27.5°	651.7	628.2	605.5	582.3	562.7	551.3	542.8	536.5	532.5	528.4	526.3
30°	629.0	604.7	580.4	558.8	540.7	529.3	521.4	517.1	513.9	512.0	510.0
32.5°	606.1	582.1	556.4	536.7	520.6	510.4	504.4	500.1	498.6	497.9	497.2
35°	569.4	545.0	521.4	503.7	488.4	484.4	479.4	477.0	476.3	479.0	480.2
37.5°	533.7	511.1	489.4	472.3	462.2	456.5	454.7	454.8	457.7	460.1	462.9
40°	510.8	488.8	468.4	453.4	444.0	440.5	439.7	441.6	444.7	447.6	450.7
42.5°	488.5	466.8	448.3	434.2	427.7	424.4	425.0	426.9	431.3	434.6	439.4
45°	453.8	435.8	417.7	406.3	400.8	401.5	401.5	405.1	409.4	414.5	419.6
47.5°	421.2	402.9	388.1	378.5	375.7	375.0	377.2	381.8	388.1	394.4	401.5
50°	399.2	381.9	368.9	360.3	357.2	358.3	361.5	365.8	373.2	381.1	388.6
52.5°	376.9	361.1	349.1	341.1	338.9	341.0	344.2	351.0	357.6	366.1	375.1
55°	342.2	328.9	319.4	313.6	312.8	314.0	317.5	325.0	334.4	345.0	353.7
57.5°	307.7	296.6	287.9	283.9	284.3	285.4	291.1	300.0	310.1	321.4	332.5
60°	284.5	274.3	267.2	264.1	264.5	266.8	273.9	282.2	294.7	305.7	317.5
62.5°	262.5	253.5	246.7	243.9	243.4	248.5	255.3	263.9	276.5	288.7	301.4
65°	227.1	220.0	214.5	213.0	214.1	218.0	226.7	238.1	248.7	261.7	275.1
67.5°	192.5	186.7	183.0	183.7	185.1	190.9	198.1	207.9	219.9	233.4	246.6
70°	170.6	165.0	161.9	162.3	164.6	171.7	178.0	187.8	200.8	214.5	225.5
72.5°	147.9	144.3	141.5	143.1	145.4	150.4	158.1	168.0	179.5	192.2	203.9
75°	113.5	113.5	112.0	113.2	116.7	121.4	127.3	137.5	149.0	159.2	168.5
77.5°	84.2	83.4	84.4	85.8	87.9	93.4	100.2	107.6	116.0	126.3	134.1
80°	64.4	64.8	66.8	69.2	70.0	74.2	81.3	88.1	94.7	103.3	110.8
82.5°	48.4	48.8	49.8	52.8	53.6	58.3	62.8	69.5	75.5	81.3	87.6
85°	26.4	26.4	28.3	29.5	31.4	34.5	37.4	41.3	46.8	50.7	56.6
87.5°	13.4	13.9	15.7	16.8	18.2	20.2	21.2	25.0	26.7	28.6	31.6
90°	16.8	19.5	21.8	24.1	26.5	28.8	30.6	32.3	34.0	35.7	37.0
92.5°	42.7	45.3	47.0	48.6	50.2	51.9	52.9	53.9	55.0	56.0	56.8
95°	89.1	91.4	93.4	95.4	97.5	99.6	100.4	101.3	102.2	103.0	103.5
97.5°	145.6	147.8	150.3	152.7	155.0	157.4	158.4	159.6	160.6	161.6	162.2
100°	188.0	189.9	192.5	195.1	197.7	200.4	201.0	201.6	202.2	202.7	203.0
102.5°	233.4	234.8	237.2	239.6	242.0	244.4	245.2	246.0	246.8	247.6	248.1
105°	306.3	307.0	308.2	309.4	310.5	311.7	312.6	313.5	314.4	315.2	316.1
107.5°	383.8	384.1	384.3	384.5	384.7	384.8	385.6	386.4	387.2	388.1	388.4
110°	437.2	437.3	437.0	436.7	436.5	436.2	435.6	434.9	434.3	433.8	433.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	489.8	489.6	489.1	488.5	488.0	487.5	487.4	487.3	487.2	487.0	487.1
115°	571.0	570.8	570.2	569.6	569.0	568.4	568.2	567.8	567.5	567.2	566.9
117.5°	648.9	648.8	648.4	648.0	647.6	647.2	646.2	645.3	644.3	643.3	642.5
120°	704.0	704.2	703.3	702.5	701.6	700.6	699.2	697.8	696.3	694.9	694.4
122.5°	754.7	754.7	754.3	753.9	753.5	753.1	752.0	751.0	750.1	749.1	748.1
125°	831.6	831.5	831.2	830.9	830.6	830.3	829.7	829.2	828.6	828.0	827.4
127.5°	906.7	906.9	906.4	905.9	905.4	904.9	904.4	903.8	903.2	902.6	902.1
130°	956.9	957.4	957.4	957.4	957.4	957.4	956.7	956.2	955.6	955.0	954.2
132.5°	1007.3	1007.5	1007.3	1007.0	1006.8	1006.6	1006.0	1005.4	1004.9	1004.3	1003.8
135°	1079.6	1080.5	1080.5	1080.5	1080.5	1080.5	1079.9	1079.3	1078.7	1078.1	1077.4
137.5°	1149.7	1150.4	1150.8	1151.3	1151.8	1152.3	1151.4	1150.7	1150.0	1149.2	1148.9
140°	1198.1	1198.3	1198.3	1198.3	1198.3	1198.3	1198.1	1197.8	1197.5	1197.2	1196.9
142.5°	1243.1	1243.2	1243.0	1242.8	1242.6	1242.3	1242.3	1242.2	1242.2	1242.1	1242.0
145°	1307.8	1308.5	1308.8	1309.1	1309.4	1309.7	1309.4	1309.1	1308.8	1308.5	1308.0
147.5°	1370.5	1371.1	1370.9	1370.7	1370.4	1370.2	1370.0	1369.7	1369.5	1369.3	1369.0
150°	1407.3	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.8
152.5°	1441.1	1441.6	1441.8	1442.0	1442.3	1442.5	1443.2	1443.9	1444.6	1445.3	1445.2
155°	1493.0	1492.9	1492.6	1492.3	1492.0	1491.8	1492.9	1494.1	1495.2	1496.4	1496.4
157.5°	1537.0	1536.7	1536.7	1536.6	1536.6	1536.5	1537.4	1538.2	1539.1	1540.0	1539.9
160°	1565.2	1564.9	1564.6	1564.4	1564.1	1563.8	1564.6	1565.5	1566.4	1567.2	1566.9
162.5°	1588.5	1588.0	1587.7	1587.4	1587.1	1586.8	1588.4	1589.9	1591.5	1593.1	1593.2
165°	1621.8	1621.1	1620.5	1619.9	1619.3	1618.7	1620.5	1622.2	1624.0	1625.8	1626.1
167.5°	1646.4	1645.8	1645.9	1645.9	1646.0	1646.0	1647.8	1649.5	1651.2	1652.9	1652.9
170°	1660.1	1659.5	1659.8	1660.1	1660.4	1660.6	1662.4	1664.2	1665.9	1667.7	1667.5
172.5°	1671.5	1670.9	1671.0	1671.0	1671.1	1671.1	1673.1	1675.1	1677.1	1679.1	1679.0
175°	1685.0	1684.1	1683.8	1683.5	1683.2	1682.9	1685.0	1687.0	1689.0	1691.1	1691.1
177.5°	1690.8	1690.3	1690.3	1690.3	1690.3	1690.3	1691.9	1693.5	1695.2	1696.8	1696.7
180°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4



TEST NUMBER: P332764-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	903.8	903.2	901.0	900.7	901.0	903.2	903.8	904.5	905.4	908.6	904.8
5°	835.0	833.0	831.8	836.2	831.8	833.0	835.0	837.3	841.2	841.6	845.6
7.5°	783.0	781.4	778.0	776.9	778.0	781.4	783.0	784.5	788.4	791.7	797.6
10°	749.7	748.1	745.0	744.2	745.0	748.1	749.7	753.7	757.5	761.8	765.8
12.5°	717.6	714.5	713.9	714.7	713.9	714.5	717.6	722.9	733.1	733.0	733.8
15°	675.0	673.5	669.1	670.3	669.1	673.5	675.0	680.1	684.9	690.7	696.6
17.5°	633.1	631.2	625.9	630.6	625.9	631.2	633.1	635.8	641.9	650.3	659.0
20°	606.6	603.5	600.8	600.4	600.8	603.5	606.6	609.5	616.1	623.2	629.9
22.5°	581.5	578.7	578.5	575.8	578.5	578.7	581.5	585.8	592.5	596.4	602.8
25°	550.1	547.3	546.5	544.6	546.5	547.3	550.1	553.2	557.5	560.7	567.7
27.5°	525.9	524.6	523.2	523.8	523.2	524.6	525.9	526.3	528.4	532.5	536.5
30°	511.2	510.8	510.0	510.0	510.0	510.8	511.2	510.0	512.0	513.9	517.1
32.5°	499.0	498.9	499.3	499.3	499.3	498.9	499.0	497.2	497.9	498.6	500.1
35°	481.7	482.9	483.7	482.5	483.7	482.9	481.7	480.2	479.0	476.3	477.0
37.5°	466.2	467.4	468.5	469.8	468.5	467.4	466.2	462.9	460.1	457.7	454.8
40°	454.2	457.0	457.8	459.7	457.8	457.0	454.2	450.7	447.6	444.7	441.6
42.5°	442.9	446.0	448.0	448.4	448.0	446.0	442.9	439.4	434.6	431.3	426.9
45°	425.6	428.7	431.4	431.4	431.4	428.7	425.6	419.6	414.5	409.4	405.1
47.5°	407.6	412.1	414.9	415.6	414.9	412.1	407.6	401.5	394.4	388.1	381.8
50°	395.3	400.8	403.5	405.5	403.5	400.8	395.3	388.6	381.1	373.2	365.8
52.5°	383.3	388.8	392.5	393.5	392.5	388.8	383.3	375.1	366.1	357.6	351.0
55°	362.6	370.5	374.9	376.4	374.9	370.5	362.6	353.7	345.0	334.4	325.0
57.5°	343.2	350.4	355.5	356.6	355.5	350.4	343.2	332.5	321.4	310.1	300.0
60°	328.1	336.0	342.2	343.5	342.2	336.0	328.1	317.5	305.7	294.7	282.2
62.5°	312.7	320.8	326.5	329.6	326.5	320.8	312.7	301.4	288.7	276.5	263.9
65°	286.1	294.3	299.8	300.9	299.8	294.3	286.1	275.1	261.7	248.7	238.1
67.5°	257.0	265.2	268.8	271.1	268.8	265.2	257.0	246.6	233.4	219.9	207.9
70°	236.5	243.2	247.1	249.1	247.1	243.2	236.5	225.5	214.5	200.8	187.8
72.5°	213.3	220.3	224.8	225.2	224.8	220.3	213.3	203.9	192.2	179.5	168.0
75°	177.6	183.9	186.2	186.2	186.2	183.9	177.6	168.5	159.2	149.0	137.5
77.5°	140.6	143.8	146.8	147.4	146.8	143.8	140.6	134.1	126.3	116.0	107.6
80°	116.7	118.7	121.0	121.0	121.0	118.7	116.7	110.8	103.3	94.7	88.1
82.5°	92.2	93.8	96.1	95.8	96.1	93.8	92.2	87.6	81.3	75.5	69.5
85°	55.7	59.4	59.0	58.2	59.0	59.4	55.7	56.6	50.7	46.8	41.3
87.5°	32.6	33.1	34.1	34.9	34.1	33.1	32.6	31.6	28.6	26.7	25.0
90°	37.6	38.2	38.7	39.3	38.7	38.2	37.6	37.0	35.7	34.0	32.3
92.5°	57.1	57.5	57.8	58.2	57.8	57.5	57.1	56.8	56.0	55.0	53.9
95°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.0	102.2	101.3
97.5°	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	161.6	160.6	159.6
100°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	202.7	202.2	201.6
102.5°	248.4	248.6	248.8	249.1	248.8	248.6	248.4	248.1	247.6	246.8	246.0
105°	316.9	317.8	318.7	319.5	318.7	317.8	316.9	316.1	315.2	314.4	313.5
107.5°	388.4	388.3	388.3	388.2	388.3	388.3	388.4	388.4	388.1	387.2	386.4
110°	434.8	435.7	436.6	437.5	436.6	435.7	434.8	433.9	433.8	434.3	434.9



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	487.2	487.4	487.6	487.8	487.6	487.4	487.2	487.1	487.0	487.2	487.3
115°	566.6	566.3	566.0	565.8	566.0	566.3	566.6	566.9	567.2	567.5	567.8
117.5°	641.9	641.4	640.8	640.2	640.8	641.4	641.9	642.5	643.3	644.3	645.3
120°	695.0	695.6	696.2	696.7	696.2	695.6	695.0	694.4	694.9	696.3	697.8
122.5°	747.0	746.0	745.0	743.9	745.0	746.0	747.0	748.1	749.1	750.1	751.0
125°	826.9	826.3	825.7	825.1	825.7	826.3	826.9	827.4	828.0	828.6	829.2
127.5°	901.7	901.2	900.7	900.3	900.7	901.2	901.7	902.1	902.6	903.2	903.8
130°	953.0	951.8	950.7	949.5	950.7	951.8	953.0	954.2	955.0	955.6	956.2
132.5°	1003.3	1002.8	1002.4	1001.9	1002.4	1002.8	1003.3	1003.8	1004.3	1004.9	1005.4
135°	1076.5	1075.7	1074.8	1073.9	1074.8	1075.7	1076.5	1077.4	1078.1	1078.7	1079.3
137.5°	1149.1	1149.3	1149.4	1149.6	1149.4	1149.3	1149.1	1148.9	1149.2	1150.0	1150.7
140°	1196.6	1196.3	1196.0	1195.8	1196.0	1196.3	1196.6	1196.9	1197.2	1197.5	1197.8
142.5°	1242.0	1241.9	1241.9	1241.8	1241.9	1241.9	1242.0	1242.0	1242.1	1242.2	1242.2
145°	1307.1	1306.2	1305.4	1304.4	1305.4	1306.2	1307.1	1308.0	1308.5	1308.8	1309.1
147.5°	1368.7	1368.4	1368.2	1367.9	1368.2	1368.4	1368.7	1369.0	1369.3	1369.5	1369.7
150°	1407.4	1407.1	1406.8	1406.6	1406.8	1407.1	1407.4	1407.8	1407.9	1407.9	1407.9
152.5°	1444.5	1443.7	1443.0	1442.2	1443.0	1443.7	1444.5	1445.2	1445.3	1444.6	1443.9
155°	1495.2	1494.1	1492.9	1491.8	1492.9	1494.1	1495.2	1496.4	1496.4	1495.2	1494.1
157.5°	1538.9	1537.9	1537.0	1536.0	1537.0	1537.9	1538.9	1539.9	1540.0	1539.1	1538.2
160°	1565.5	1564.1	1562.6	1561.2	1562.6	1564.1	1565.5	1566.9	1567.2	1566.4	1565.5
162.5°	1591.6	1590.2	1588.8	1587.3	1588.8	1590.2	1591.6	1593.2	1593.1	1591.5	1589.9
165°	1624.9	1623.7	1622.6	1621.3	1622.6	1623.7	1624.9	1626.1	1625.8	1624.0	1622.2
167.5°	1651.1	1649.3	1647.6	1645.8	1647.6	1649.3	1651.1	1652.9	1652.9	1651.2	1649.5
170°	1665.5	1663.4	1661.4	1659.4	1661.4	1663.4	1665.5	1667.5	1667.7	1665.9	1664.2
172.5°	1677.0	1675.0	1672.9	1670.9	1672.9	1675.0	1677.0	1679.0	1679.1	1677.1	1675.1
175°	1689.0	1687.0	1685.0	1682.9	1685.0	1687.0	1689.0	1691.1	1691.1	1689.0	1687.0
177.5°	1694.9	1692.9	1691.1	1689.2	1691.1	1692.9	1694.9	1696.7	1696.8	1695.2	1693.5
180°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	906.7	908.0	913.0	917.7	923.3	927.5	930.3	933.4	940.0	945.3	950.4
5°	849.5	851.4	861.7	868.8	880.9	891.5	899.8	908.8	919.5	933.9	947.4
7.5°	799.1	806.5	817.6	829.1	841.5	855.4	867.5	881.1	899.4	919.4	940.0
10°	770.5	778.8	790.5	804.0	815.7	831.8	846.8	862.8	883.6	908.1	932.4
12.5°	741.9	755.5	764.5	780.3	793.0	806.4	822.2	843.3	867.7	893.2	922.6
15°	706.1	713.6	730.8	739.5	757.5	778.0	793.7	815.0	838.5	872.3	905.2
17.5°	664.7	674.6	688.3	704.8	725.6	741.5	761.1	782.9	812.6	846.2	887.6
20°	637.7	646.0	662.9	681.0	703.0	719.8	740.6	761.8	792.5	828.3	871.5
22.5°	613.5	621.5	639.2	656.1	677.5	698.1	719.9	744.6	774.0	811.6	855.8
25°	576.0	586.6	602.4	619.7	640.1	663.7	687.2	709.2	740.6	780.3	827.5
27.5°	542.8	551.3	562.7	582.3	605.5	628.2	651.7	679.3	709.5	751.5	800.4
30°	521.4	529.3	540.7	558.8	580.4	604.7	629.0	655.8	687.2	728.8	778.8
32.5°	504.4	510.4	520.6	536.7	556.4	582.1	606.1	633.8	666.8	707.8	756.5
35°	479.4	484.4	488.4	503.7	521.4	545.0	569.4	598.8	630.7	669.5	718.2
37.5°	454.7	456.5	462.2	472.3	489.4	511.1	533.7	562.7	595.3	634.9	678.8
40°	439.7	440.5	444.0	453.4	468.4	488.8	510.8	539.5	570.5	607.8	651.5
42.5°	425.0	424.4	427.7	434.2	448.3	466.8	488.5	514.6	545.7	580.2	621.3
45°	401.5	401.5	400.8	406.3	417.7	435.8	453.8	479.0	504.9	538.7	573.3
47.5°	377.2	375.0	375.7	378.5	388.1	402.9	421.2	441.8	464.6	493.3	523.6
50°	361.5	358.3	357.2	360.3	368.9	381.9	399.2	417.3	438.9	464.0	490.0
52.5°	344.2	341.0	338.9	341.1	349.1	361.1	376.9	392.7	412.1	432.6	455.0
55°	317.5	314.0	312.8	313.6	319.4	328.9	342.2	356.8	371.3	388.2	403.9
57.5°	291.1	285.4	284.3	283.9	287.9	296.6	307.7	320.3	330.9	341.1	357.9
60°	273.9	266.8	264.5	264.1	267.2	274.3	284.5	297.0	304.5	311.5	326.1
62.5°	255.3	248.5	243.4	243.9	246.7	253.5	262.5	271.6	276.5	284.3	294.1
65°	226.7	218.0	214.1	213.0	214.5	220.0	227.1	233.0	238.5	241.7	251.1
67.5°	198.1	190.9	185.1	183.7	183.0	186.7	192.5	196.1	200.0	202.8	208.3
70°	178.0	171.7	164.6	162.3	161.9	165.0	170.6	171.0	176.4	177.6	183.5
72.5°	158.1	150.4	145.4	143.1	141.5	144.3	147.9	149.0	151.9	154.0	157.1
75°	127.3	121.4	116.7	113.2	112.0	113.5	113.5	115.5	117.4	118.7	122.2
77.5°	100.2	93.4	87.9	85.8	84.4	83.4	84.2	85.4	84.5	86.5	87.4
80°	81.3	74.2	70.0	69.2	66.8	64.8	64.4	65.6	64.0	64.8	67.2
82.5°	62.8	58.3	53.6	52.8	49.8	48.8	48.4	47.7	47.7	47.6	48.0
85°	37.4	34.5	31.4	29.5	28.3	26.4	26.4	25.5	24.7	23.9	24.3
87.5°	21.2	20.2	18.2	16.8	15.7	13.9	13.4	11.8	10.9	9.9	9.0
90°	30.6	28.8	26.5	24.1	21.8	19.5	16.8	13.5	10.3	7.2	3.9
92.5°	52.9	51.9	50.2	48.6	47.0	45.3	42.7	39.0	35.3	31.7	28.1
95°	100.4	99.6	97.5	95.4	93.4	91.4	89.1	86.4	83.8	81.2	78.6
97.5°	158.4	157.4	155.0	152.7	150.3	147.8	145.6	143.5	141.5	139.4	137.2
100°	201.0	200.4	197.7	195.1	192.5	189.9	188.0	186.8	185.7	184.5	183.4
102.5°	245.2	244.4	242.0	239.6	237.2	234.8	233.4	233.0	232.5	232.1	231.6
105°	312.6	311.7	310.5	309.4	308.2	307.0	306.3	306.0	305.8	305.5	305.2
107.5°	385.6	384.8	384.7	384.5	384.3	384.1	383.8	383.4	383.1	382.7	382.4
110°	435.6	436.2	436.5	436.7	437.0	437.3	437.2	436.6	436.0	435.4	434.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	487.4	487.5	488.0	488.5	489.1	489.6	489.8	489.7	489.5	489.4	489.3
115°	568.2	568.4	569.0	569.6	570.2	570.8	571.0	571.0	571.0	571.0	571.0
117.5°	646.2	647.2	647.6	648.0	648.4	648.8	648.9	648.7	648.5	648.2	648.0
120°	699.2	700.6	701.6	702.5	703.3	704.2	704.0	702.9	701.7	700.5	699.3
122.5°	752.0	753.1	753.5	753.9	754.3	754.7	754.7	754.2	753.8	753.3	752.8
125°	829.7	830.3	830.6	830.9	831.2	831.5	831.6	831.6	831.6	831.6	831.6
127.5°	904.4	904.9	905.4	905.9	906.4	906.9	906.7	905.7	904.9	904.0	903.1
130°	956.7	957.4	957.4	957.4	957.4	957.4	956.9	956.0	955.2	954.3	953.4
132.5°	1006.0	1006.6	1006.8	1007.0	1007.3	1007.5	1007.3	1006.7	1006.0	1005.4	1004.8
135°	1079.9	1080.5	1080.5	1080.5	1080.5	1080.5	1079.6	1077.8	1076.1	1074.4	1072.6
137.5°	1151.4	1152.3	1151.8	1151.3	1150.8	1150.4	1149.7	1148.9	1148.1	1147.3	1146.5
140°	1198.1	1198.3	1198.3	1198.3	1198.3	1198.3	1198.1	1197.5	1196.9	1196.3	1195.8
142.5°	1242.3	1242.3	1242.6	1242.8	1243.0	1243.2	1243.1	1242.5	1241.9	1241.3	1240.8
145°	1309.4	1309.7	1309.4	1309.1	1308.8	1308.5	1307.8	1306.7	1305.5	1304.3	1303.1
147.5°	1370.0	1370.2	1370.4	1370.7	1370.9	1371.1	1370.5	1369.2	1367.8	1366.3	1364.9
150°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.3	1406.1	1405.0	1403.8	1402.7
152.5°	1443.2	1442.5	1442.3	1442.0	1441.8	1441.6	1441.1	1440.4	1439.7	1439.0	1438.2
155°	1492.9	1491.8	1492.0	1492.3	1492.6	1492.9	1493.0	1493.0	1493.0	1493.0	1493.0
157.5°	1537.4	1536.5	1536.6	1536.6	1536.7	1536.7	1537.0	1537.5	1538.1	1538.6	1539.1
160°	1564.6	1563.8	1564.1	1564.4	1564.6	1564.9	1565.2	1565.5	1565.8	1566.1	1566.4
162.5°	1588.4	1586.8	1587.1	1587.4	1587.7	1588.0	1588.5	1589.2	1590.0	1590.7	1591.5
165°	1620.5	1618.7	1619.3	1619.9	1620.5	1621.1	1621.8	1622.7	1623.6	1624.5	1625.3
167.5°	1647.8	1646.0	1646.0	1645.9	1645.9	1645.8	1646.4	1647.6	1648.8	1650.0	1651.2
170°	1662.4	1660.6	1660.4	1660.1	1659.8	1659.5	1660.1	1661.5	1663.0	1664.5	1665.9
172.5°	1673.1	1671.1	1671.1	1671.0	1671.0	1670.9	1671.5	1672.7	1674.0	1675.2	1676.4
175°	1685.0	1682.9	1683.2	1683.5	1683.8	1684.1	1685.0	1686.5	1687.9	1689.3	1690.8
177.5°	1691.9	1690.3	1690.3	1690.3	1690.3	1690.3	1690.8	1692.0	1693.1	1694.4	1695.5
180°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	954.8	958.0	962.0	969.0	971.5	974.6	979.0	978.7	980.0	984.6	994.7
5°	958.4	970.5	982.3	996.4	1011.4	1021.2	1034.6	1042.8	1051.1	1061.7	1079.7
7.5°	959.8	979.1	1000.7	1025.5	1047.6	1073.1	1093.0	1111.7	1128.5	1150.9	1172.5
10°	957.6	983.5	1011.4	1042.8	1076.2	1104.5	1130.0	1159.1	1183.9	1210.9	1235.4
12.5°	953.4	984.7	1022.1	1057.2	1096.3	1138.1	1169.9	1199.3	1232.2	1263.4	1301.0
15°	944.2	987.0	1030.7	1077.0	1129.2	1177.6	1223.6	1261.6	1297.1	1343.8	1392.9
17.5°	932.4	978.6	1033.6	1089.7	1144.4	1199.6	1256.5	1313.7	1358.4	1416.4	1454.9
20°	921.4	974.8	1031.4	1098.2	1152.9	1221.6	1278.2	1333.5	1394.8	1452.6	1498.6
22.5°	905.9	964.4	1024.5	1091.0	1162.9	1231.6	1297.1	1357.2	1418.5	1481.3	1536.9
25°	886.5	939.5	1010.6	1086.0	1157.5	1232.2	1307.3	1382.7	1448.7	1515.1	1567.0
27.5°	853.1	920.1	986.3	1064.2	1143.7	1228.1	1308.4	1387.4	1456.4	1511.1	1543.3
30°	836.2	894.2	966.2	1044.4	1130.4	1221.2	1304.8	1382.3	1446.7	1490.4	1503.3
32.5°	811.0	871.0	941.4	1022.4	1113.5	1206.7	1293.8	1366.9	1420.7	1443.5	1427.8
35°	773.7	827.9	899.0	981.9	1076.6	1176.0	1262.0	1323.7	1351.3	1329.7	1275.8
37.5°	728.8	782.6	854.0	935.4	1033.5	1134.5	1212.3	1256.7	1247.6	1193.9	1113.6
40°	697.4	747.7	815.7	903.7	999.2	1100.6	1168.9	1193.0	1167.8	1090.8	1005.5
42.5°	662.6	711.6	779.8	864.7	965.8	1059.3	1118.9	1121.0	1078.8	986.7	901.1
45°	609.5	656.2	720.6	809.0	902.5	990.6	1029.9	1010.6	932.8	843.9	757.9
47.5°	557.0	597.5	661.1	745.0	833.7	907.9	927.4	892.7	809.8	723.6	643.8
50°	518.7	559.6	619.2	699.4	785.1	849.1	858.5	812.5	731.2	644.4	581.9
52.5°	481.9	522.4	580.0	654.1	732.6	790.3	790.6	737.4	656.4	579.1	520.9
55°	427.9	464.4	516.3	582.7	652.7	697.8	686.8	631.8	561.5	494.3	443.6
57.5°	375.9	407.7	455.4	510.9	572.5	609.8	591.5	538.6	475.7	418.8	380.3
60°	342.2	372.4	413.3	465.6	517.5	546.5	529.3	481.3	423.5	377.6	344.2
62.5°	309.5	335.1	374.4	419.7	467.8	489.4	473.9	426.7	376.8	335.2	308.0
65°	263.3	284.1	315.5	354.5	389.4	407.9	394.9	350.8	312.8	282.9	261.3
67.5°	220.0	236.3	260.1	291.3	321.0	331.0	319.2	288.5	256.3	232.4	217.1
70°	190.2	205.5	225.5	249.5	275.4	286.1	274.3	249.9	223.6	201.6	186.6
72.5°	164.1	175.9	192.9	213.4	233.6	244.3	236.2	212.8	190.6	174.2	161.5
75°	124.9	135.1	146.9	161.5	177.2	184.3	177.2	161.1	145.7	133.6	124.5
77.5°	90.9	96.3	105.4	116.3	126.1	131.6	125.4	114.5	105.1	96.8	92.3
80°	69.2	73.1	79.4	88.1	94.7	99.8	95.8	86.8	79.4	73.8	71.9
82.5°	50.3	52.9	57.1	63.5	68.0	70.6	68.9	62.3	59.3	54.3	52.4
85°	24.7	26.4	29.1	31.0	34.9	35.3	35.7	33.0	30.3	29.1	27.5
87.5°	9.9	10.9	12.4	14.0	15.9	16.7	16.8	17.3	16.5	16.5	15.6
90°	7.2	10.3	13.5	16.8	19.5	21.8	24.1	26.5	28.8	30.6	32.3
92.5°	31.7	35.3	39.0	42.7	45.3	47.0	48.6	50.2	51.9	52.9	53.9
95°	81.2	83.8	86.4	89.1	91.4	93.4	95.4	97.5	99.6	100.4	101.3
97.5°	139.4	141.5	143.5	145.6	147.8	150.3	152.7	155.0	157.4	158.4	159.6
100°	184.5	185.7	186.8	188.0	189.9	192.5	195.1	197.7	200.4	201.0	201.6
102.5°	232.1	232.5	233.0	233.4	234.8	237.2	239.6	242.0	244.4	245.2	246.0
105°	305.5	305.8	306.0	306.3	307.0	308.2	309.4	310.5	311.7	312.6	313.5
107.5°	382.7	383.1	383.4	383.8	384.1	384.3	384.5	384.7	384.8	385.6	386.4
110°	435.4	436.0	436.6	437.2	437.3	437.0	436.7	436.5	436.2	435.6	434.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	489.4	489.5	489.7	489.8	489.6	489.1	488.5	488.0	487.5	487.4	487.3
115°	571.0	571.0	571.0	571.0	570.8	570.2	569.6	569.0	568.4	568.2	567.8
117.5°	648.2	648.5	648.7	648.9	648.8	648.4	648.0	647.6	647.2	646.2	645.3
120°	700.5	701.7	702.9	704.0	704.2	703.3	702.5	701.6	700.6	699.2	697.8
122.5°	753.3	753.8	754.2	754.7	754.7	754.3	753.9	753.5	753.1	752.0	751.0
125°	831.6	831.6	831.6	831.6	831.5	831.2	830.9	830.6	830.3	829.7	829.2
127.5°	904.0	904.9	905.7	906.7	906.9	906.4	905.9	905.4	904.9	904.4	903.8
130°	954.3	955.2	956.0	956.9	957.4	957.4	957.4	957.4	957.4	956.7	956.2
132.5°	1005.4	1006.0	1006.7	1007.3	1007.5	1007.3	1007.0	1006.8	1006.6	1006.0	1005.4
135°	1074.4	1076.1	1077.8	1079.6	1080.5	1080.5	1080.5	1080.5	1080.5	1079.9	1079.3
137.5°	1147.3	1148.1	1148.9	1149.7	1150.4	1150.8	1151.3	1151.8	1152.3	1151.4	1150.7
140°	1196.3	1196.9	1197.5	1198.1	1198.3	1198.3	1198.3	1198.3	1198.3	1198.1	1197.8
142.5°	1241.3	1241.9	1242.5	1243.1	1243.2	1243.0	1242.8	1242.6	1242.3	1242.3	1242.2
145°	1304.3	1305.5	1306.7	1307.8	1308.5	1308.8	1309.1	1309.4	1309.7	1309.4	1309.1
147.5°	1366.3	1367.8	1369.2	1370.5	1371.1	1370.9	1370.7	1370.4	1370.2	1370.0	1369.7
150°	1403.8	1405.0	1406.1	1407.3	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
152.5°	1439.0	1439.7	1440.4	1441.1	1441.6	1441.8	1442.0	1442.3	1442.5	1443.2	1443.9
155°	1493.0	1493.0	1493.0	1493.0	1492.9	1492.6	1492.3	1492.0	1491.8	1492.9	1494.1
157.5°	1538.6	1538.1	1537.5	1537.0	1536.7	1536.7	1536.6	1536.6	1536.5	1537.4	1538.2
160°	1566.1	1565.8	1565.5	1565.2	1564.9	1564.6	1564.4	1564.1	1563.8	1564.6	1565.5
162.5°	1590.7	1590.0	1589.2	1588.5	1588.0	1587.7	1587.4	1587.1	1586.8	1588.4	1589.9
165°	1624.5	1623.6	1622.7	1621.8	1621.1	1620.5	1619.9	1619.3	1618.7	1620.5	1622.2
167.5°	1650.0	1648.8	1647.6	1646.4	1645.8	1645.9	1645.9	1646.0	1646.0	1647.8	1649.5
170°	1664.5	1663.0	1661.5	1660.1	1659.5	1659.8	1660.1	1660.4	1660.6	1662.4	1664.2
172.5°	1675.2	1674.0	1672.7	1671.5	1670.9	1671.0	1671.0	1671.1	1671.1	1673.1	1675.1
175°	1689.3	1687.9	1686.5	1685.0	1684.1	1683.8	1683.5	1683.2	1682.9	1685.0	1687.0
177.5°	1694.4	1693.1	1692.0	1690.8	1690.3	1690.3	1690.3	1690.3	1690.3	1691.9	1693.5
180°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	999.8	1000.4	1003.2	1005.4	1006.0	1009.2	1009.5
5°	1087.6	1094.3	1107.2	1108.4	1110.3	1120.6	1112.8
7.5°	1190.5	1207.5	1218.8	1228.8	1232.4	1236.9	1236.0
10°	1256.6	1281.7	1294.2	1314.3	1315.1	1320.2	1317.1
12.5°	1322.9	1352.1	1375.0	1378.8	1395.5	1398.2	1402.6
15°	1416.8	1447.9	1479.8	1491.2	1514.3	1519.8	1528.4
17.5°	1505.2	1536.9	1559.2	1588.7	1598.2	1610.9	1602.4
20°	1553.6	1588.2	1616.5	1639.6	1649.5	1656.6	1655.8
22.5°	1582.9	1617.7	1640.6	1658.2	1667.4	1670.4	1670.2
25°	1601.1	1621.2	1628.3	1635.0	1624.8	1621.2	1622.8
27.5°	1550.2	1545.0	1526.6	1502.4	1477.2	1457.2	1446.4
30°	1480.2	1449.5	1421.6	1372.9	1347.7	1332.8	1319.4
32.5°	1380.8	1332.2	1278.6	1234.0	1205.3	1183.2	1179.8
35°	1210.6	1137.5	1071.9	1017.2	989.0	965.0	959.5
37.5°	1029.3	953.3	894.2	846.1	815.7	798.8	783.0
40°	908.8	843.6	785.5	744.6	721.4	709.2	699.4
42.5°	816.1	756.5	698.7	667.5	646.6	639.1	633.4
45°	688.0	632.6	592.5	569.0	556.7	544.2	538.3
47.5°	585.4	540.4	513.9	493.9	480.9	473.4	469.6
50°	527.3	490.4	466.8	451.5	439.7	433.7	430.6
52.5°	475.7	445.5	425.7	413.4	405.5	401.1	399.8
55°	409.8	386.7	374.1	363.5	357.6	353.7	352.0
57.5°	356.2	338.4	328.2	319.4	317.2	313.9	312.8
60°	321.0	307.3	298.6	292.8	290.7	286.8	287.6
62.5°	289.9	278.6	271.2	267.9	265.3	262.0	263.1
65°	245.2	236.9	233.0	229.8	226.7	224.8	226.3
67.5°	205.7	200.1	194.7	192.9	191.4	191.1	189.3
70°	180.0	175.2	170.6	169.4	169.4	167.7	167.3
72.5°	155.1	151.7	148.6	147.6	146.4	147.0	145.4
75°	119.9	117.0	115.9	114.7	114.3	114.3	113.2
77.5°	88.6	86.5	84.6	84.6	83.2	82.7	82.5
80°	67.2	66.4	64.8	64.8	64.0	64.4	63.6
82.5°	50.5	49.4	49.1	48.5	47.4	47.5	46.7
85°	27.1	26.0	25.5	24.3	23.5	24.3	23.5
87.5°	16.3	16.3	16.2	15.7	15.5	15.6	14.7
90°	34.0	35.7	37.0	37.6	38.2	38.7	39.3
92.5°	55.0	56.0	56.8	57.1	57.5	57.8	58.2
95°	102.2	103.0	103.5	103.5	103.5	103.5	103.5
97.5°	160.6	161.6	162.2	162.2	162.2	162.2	162.2
100°	202.2	202.7	203.0	203.0	203.0	203.0	203.0
102.5°	246.8	247.6	248.1	248.4	248.6	248.8	249.1
105°	314.4	315.2	316.1	316.9	317.8	318.7	319.5
107.5°	387.2	388.1	388.4	388.4	388.3	388.3	388.2
110°	434.3	433.8	433.9	434.8	435.7	436.6	437.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	487.2	487.0	487.1	487.2	487.4	487.6	487.8
115°	567.5	567.2	566.9	566.6	566.3	566.0	565.8
117.5°	644.3	643.3	642.5	641.9	641.4	640.8	640.2
120°	696.3	694.9	694.4	695.0	695.6	696.2	696.7
122.5°	750.1	749.1	748.1	747.0	746.0	745.0	743.9
125°	828.6	828.0	827.4	826.9	826.3	825.7	825.1
127.5°	903.2	902.6	902.1	901.7	901.2	900.7	900.3
130°	955.6	955.0	954.2	953.0	951.8	950.7	949.5
132.5°	1004.9	1004.3	1003.8	1003.3	1002.8	1002.4	1001.9
135°	1078.7	1078.1	1077.4	1076.5	1075.7	1074.8	1073.9
137.5°	1150.0	1149.2	1148.9	1149.1	1149.3	1149.4	1149.6
140°	1197.5	1197.2	1196.9	1196.6	1196.3	1196.0	1195.8
142.5°	1242.2	1242.1	1242.0	1242.0	1241.9	1241.9	1241.8
145°	1308.8	1308.5	1308.0	1307.1	1306.2	1305.4	1304.4
147.5°	1369.5	1369.3	1369.0	1368.7	1368.4	1368.2	1367.9
150°	1407.9	1407.9	1407.8	1407.4	1407.1	1406.8	1406.6
152.5°	1444.6	1445.3	1445.2	1444.5	1443.7	1443.0	1442.2
155°	1495.2	1496.4	1496.4	1495.2	1494.1	1492.9	1491.8
157.5°	1539.1	1540.0	1539.9	1538.9	1537.9	1537.0	1536.0
160°	1566.4	1567.2	1566.9	1565.5	1564.1	1562.6	1561.2
162.5°	1591.5	1593.1	1593.2	1591.6	1590.2	1588.8	1587.3
165°	1624.0	1625.8	1626.1	1624.9	1623.7	1622.6	1621.3
167.5°	1651.2	1652.9	1652.9	1651.1	1649.3	1647.6	1645.8
170°	1665.9	1667.7	1667.5	1665.5	1663.4	1661.4	1659.4
172.5°	1677.1	1679.1	1679.0	1677.0	1675.0	1672.9	1670.9
175°	1689.0	1691.1	1691.1	1689.0	1687.0	1685.0	1682.9
177.5°	1695.2	1696.8	1696.7	1694.9	1692.9	1691.1	1689.2
180°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4

(END OF REPORT)