

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: P332162-927

Luminaire Tested: **S123DIW-S775D1030U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332162-927
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: S123DIW-S775D1030U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1030 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5852.5 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

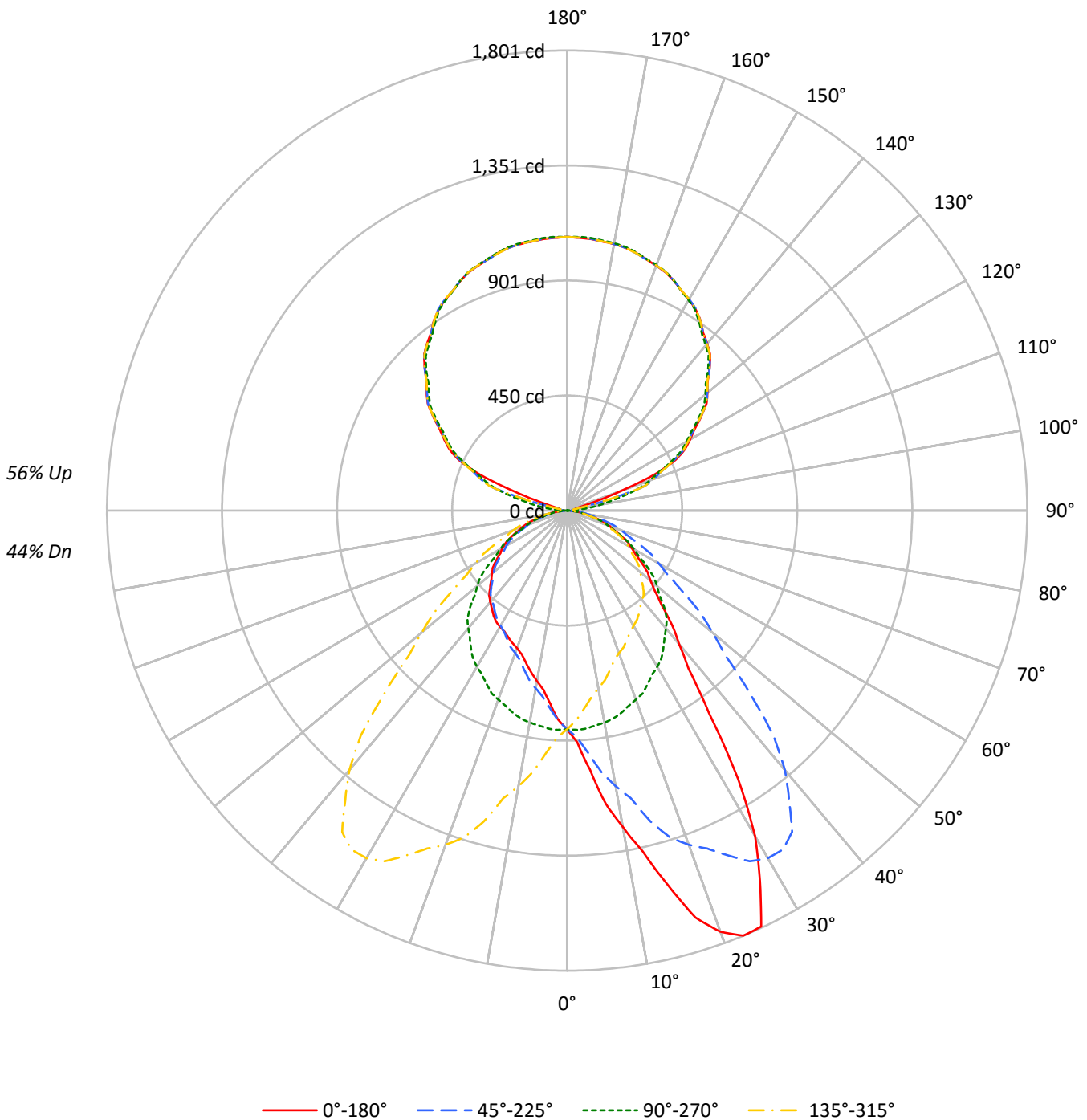
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	97	97	97	80	80	80	65	65	65	51	51	51	44				
1	97	93	89	85	88	85	82	79	71	68	66	57	56	54	45	44	43	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32				
3	81	71	64	59	74	66	59	55	55	50	47	45	42	39	36	33	32	27				
4	74	63	56	50	67	58	52	46	49	44	40	40	36	33	32	29	27	24				
5	68	56	48	43	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14				
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13				
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9214	9214	9214	9214
5°	10988	9253	8200	9253
10°	13753	9206	7406	9206
15°	16868	9132	6896	9132
20°	20095	9016	6565	9016
25°	21338	8875	6492	8875
30°	18288	8772	6527	8772
35°	12720	8627	6594	8627
40°	9580	8455	6573	8455
45°	7954	8202	6491	8202
50°	7125	7681	6430	7681
55°	6662	7122	6351	7122
60°	6250	6536	6286	6536
65°	5873	5957	6082	5957
70°	5508	5297	5794	5297
75°	4932	4637	5311	4637
80°	4320	3806	4575	3806
85°	3384	2766	3075	2766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.4
10°-20°	270.4	4.6
20°-30°	453.8	7.8
30°-40°	513.8	8.8
40°-50°	460.8	7.9
50°-60°	371.8	6.4
60°-70°	259.1	4.4
70°-80°	136.2	2.3
80°-90°	36.3	0.6
90°-100°	38.9	0.7
100°-110°	185.6	3.2
110°-120°	445.8	7.6
120°-130°	567.6	9.7
130°-140°	606.5	10.4
140°-150°	567.1	9.7
150°-160°	457.5	7.8
160°-170°	295.2	5.0
170°-180°	101.8	1.7
0°-30°	808.5	13.8
0°-40°	1322.3	22.6
0°-60°	2154.9	36.8
0°-90°	2586.5	44.2
90°-120°	670.3	11.5
90°-150°	2411.5	41.2
90°-180°	3266.0	55.8
0°-180°	5852.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	856	856	856	856	856	
5°	1017	856	759	856	1017	105
15°	1514	820	619	820	1514	437
25°	1797	747	547	747	1797	788
35°	968	656	502	656	968	629
45°	522	539	426	539	522	413
55°	355	380	338	380	355	319
65°	231	234	239	234	231	230
75°	119	112	128	112	119	127
85°	27	22	25	22	27	33
90°	24	1	24	1	24	12
95°	30	49	30	49	30	25
105°	35	237	35	237	35	80
115°	468	445	468	445	468	432
125°	640	627	640	627	640	571
135°	788	780	788	780	788	608
145°	909	901	909	901	909	568
155°	991	992	991	992	991	457
165°	1044	1046	1044	1046	1044	295
175°	1067	1071	1067	1071	1067	102
180°	1071	1071	1071	1071	1071	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	908.4	907.8	906.1	907.4	904.8	901.1	900.8	897.5	887.8	887.2	884.6
5°	1016.9	1013.6	1013.2	1012.7	1006.9	999.1	984.1	982.9	963.0	953.0	941.0
7.5°	1157.4	1159.1	1153.1	1147.8	1130.0	1118.3	1102.3	1081.8	1057.4	1032.6	1016.1
10°	1258.3	1271.9	1255.0	1243.3	1232.6	1212.2	1188.6	1159.1	1129.7	1095.3	1069.1
12.5°	1366.4	1373.2	1369.8	1358.8	1342.0	1311.1	1269.2	1236.8	1209.7	1152.3	1129.2
15°	1513.7	1539.1	1522.9	1485.5	1486.4	1456.9	1402.2	1342.0	1310.1	1259.9	1191.5
17.5°	1670.6	1673.8	1666.9	1635.9	1615.1	1574.6	1524.1	1466.5	1401.8	1341.0	1268.4
20°	1754.3	1751.8	1737.3	1721.1	1685.4	1653.9	1598.8	1534.5	1451.5	1391.8	1312.6
22.5°	1800.7	1796.6	1789.7	1776.2	1746.4	1712.6	1663.1	1592.8	1513.9	1431.6	1340.1
25°	1796.6	1802.0	1802.8	1799.0	1788.7	1768.4	1729.4	1673.4	1594.6	1488.8	1393.4
27.5°	1634.0	1641.6	1663.8	1683.5	1705.4	1727.8	1724.8	1697.0	1638.7	1547.4	1430.8
30°	1471.4	1454.8	1495.9	1547.8	1583.0	1645.2	1680.1	1682.1	1649.3	1571.0	1457.3
32.5°	1245.8	1264.1	1282.2	1346.0	1423.1	1492.9	1562.3	1618.1	1624.4	1572.3	1472.9
35°	968.0	990.8	1024.0	1057.1	1140.1	1211.4	1333.3	1439.5	1524.1	1535.3	1474.3
37.5°	780.0	791.3	812.3	845.5	899.8	984.4	1078.7	1212.9	1335.5	1426.6	1430.6
40°	681.8	685.2	708.8	734.0	778.0	847.7	932.7	1051.3	1198.1	1325.5	1378.6
42.5°	608.2	615.4	625.5	649.7	684.8	737.2	816.3	914.3	1048.8	1195.4	1299.3
45°	522.5	530.8	537.1	553.3	578.1	613.4	668.5	758.1	860.5	1011.9	1151.7
47.5°	466.0	466.7	471.3	483.5	500.4	526.9	565.9	623.4	717.5	840.2	983.7
50°	425.5	432.1	433.8	443.3	456.6	476.1	508.4	557.4	634.5	742.4	874.3
52.5°	397.0	398.9	403.6	410.5	422.1	437.3	465.3	503.7	564.2	656.1	777.4
55°	355.0	355.0	359.6	365.0	371.6	385.2	403.9	432.1	478.2	549.5	649.9
57.5°	316.2	318.2	321.5	323.1	328.8	337.9	353.4	374.9	409.2	464.1	543.8
60°	290.3	294.1	293.7	296.9	301.9	309.0	322.3	339.7	370.3	414.3	481.5
62.5°	267.8	267.5	267.4	271.4	276.4	283.1	291.7	306.8	332.9	371.9	429.0
65°	230.6	229.7	232.7	235.1	236.8	241.8	248.4	261.7	279.1	308.2	352.5
67.5°	197.6	195.2	196.8	197.6	200.4	204.3	210.5	218.7	232.6	255.9	289.3
70°	175.0	172.9	172.5	173.3	175.9	178.7	183.3	191.2	204.1	222.7	247.2
72.5°	151.8	150.4	150.3	152.1	153.3	155.2	158.4	165.6	175.9	189.9	212.7
75°	118.6	118.6	118.6	119.0	120.3	121.9	124.5	128.2	136.0	146.0	161.3
77.5°	88.9	88.8	88.3	88.2	90.1	90.9	91.4	94.9	99.3	106.0	117.2
80°	69.7	67.6	68.4	69.7	70.5	70.9	72.2	73.0	76.8	80.5	88.3
82.5°	51.7	50.0	50.1	52.1	52.3	52.7	53.9	55.1	56.5	59.9	64.1
85°	27.4	27.4	27.8	27.8	28.2	27.8	29.0	29.5	29.5	31.5	34.0
87.5°	14.7	14.0	14.3	14.5	14.1	14.3	14.5	14.7	14.9	15.1	15.0
90°	23.8	23.5	23.1	22.8	22.4	21.9	21.2	20.5	19.8	19.1	16.8
92.5°	26.4	26.2	26.0	25.7	25.6	24.9	23.8	22.7	21.5	20.4	18.6
95°	30.3	30.3	30.3	30.3	30.3	29.6	28.4	27.2	25.9	24.6	22.7
97.5°	32.8	32.6	32.4	32.2	32.1	31.3	29.9	28.4	27.0	25.6	38.3
100°	33.4	33.3	33.0	32.9	32.7	31.9	30.5	29.1	27.6	26.2	53.9
102.5°	34.1	33.7	33.4	33.1	32.8	34.8	39.2	43.6	48.0	52.4	82.5
105°	35.0	34.6	34.3	34.0	33.6	49.0	80.3	111.7	143.0	174.3	190.2
107.5°	110.0	133.6	157.2	180.7	204.3	227.6	250.6	273.5	296.4	319.4	316.9
110°	218.8	244.1	269.3	294.7	320.0	335.5	341.4	347.2	353.0	358.9	356.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.4	380.7	386.1	391.4	396.7	399.3	399.3	399.2	399.0	398.9	397.0
115°	467.9	467.1	466.4	465.7	465.0	463.8	462.0	460.3	458.5	456.7	455.1
117.5°	519.8	519.6	519.4	519.3	519.2	518.4	517.0	515.6	514.1	512.7	511.9
120°	555.4	555.4	555.4	555.4	555.4	554.7	553.3	551.8	550.4	549.0	548.5
122.5°	590.4	590.3	590.1	589.9	589.9	589.2	588.3	587.2	586.3	585.3	584.6
125°	639.7	639.4	639.0	638.7	638.3	637.9	637.6	637.2	636.9	636.5	635.8
127.5°	687.1	687.5	687.9	688.2	688.6	688.5	687.9	687.3	686.7	686.2	685.3
130°	717.7	718.0	718.4	718.7	719.1	718.9	718.2	717.6	716.8	716.1	715.4
132.5°	745.7	746.2	746.7	747.2	747.7	747.6	746.9	746.2	745.4	744.7	744.2
135°	788.5	789.0	789.6	790.1	790.6	790.6	790.1	789.6	789.0	788.5	787.8
137.5°	828.8	829.1	829.5	829.8	830.2	830.0	829.1	828.2	827.4	826.6	826.2
140°	852.9	853.3	853.7	854.1	854.4	854.2	853.5	852.8	852.1	851.4	850.8
142.5°	875.2	875.8	876.2	876.7	877.2	877.2	876.6	876.1	875.5	874.9	874.4
145°	909.4	909.4	909.4	909.4	909.4	909.3	908.9	908.6	908.2	907.8	907.5
147.5°	934.9	935.7	936.5	937.4	938.2	938.4	938.0	937.7	937.3	937.0	936.6
150°	954.0	954.6	955.1	955.6	956.2	956.2	955.8	955.5	955.1	954.8	954.4
152.5°	969.3	970.1	970.9	971.7	972.6	972.6	972.0	971.4	970.7	970.1	969.9
155°	990.6	991.7	992.8	993.8	994.8	995.0	994.0	993.2	992.3	991.4	991.3
157.5°	1008.6	1010.0	1011.4	1012.7	1014.1	1014.2	1013.2	1012.2	1011.1	1010.0	1010.2
160°	1020.0	1021.3	1022.5	1023.7	1025.0	1025.1	1024.1	1022.9	1021.9	1020.9	1021.0
162.5°	1030.9	1032.0	1033.1	1034.2	1035.2	1035.2	1034.0	1032.8	1031.6	1030.4	1030.5
165°	1043.9	1045.1	1046.4	1047.7	1048.8	1048.8	1047.3	1045.9	1044.6	1043.1	1043.3
167.5°	1053.3	1054.7	1056.1	1057.6	1059.0	1059.0	1057.6	1056.1	1054.7	1053.3	1053.3
170°	1059.1	1060.4	1061.8	1063.3	1064.7	1064.7	1063.3	1061.8	1060.4	1059.1	1059.1
172.5°	1062.2	1063.7	1065.3	1066.9	1068.4	1068.5	1067.1	1065.7	1064.3	1062.9	1062.7
175°	1067.0	1068.4	1069.8	1071.3	1072.7	1072.8	1071.5	1070.2	1069.1	1067.8	1067.6
177.5°	1068.4	1069.8	1071.3	1072.7	1074.1	1074.2	1073.1	1072.0	1070.9	1069.7	1069.5
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	882.5	879.9	877.2	872.6	868.6	862.9	861.3	859.3	853.3	848.0	844.1
5°	936.4	926.5	912.0	898.7	888.0	873.4	865.1	856.4	844.0	832.7	823.6
7.5°	992.8	973.3	950.7	926.3	903.6	881.7	864.0	848.3	830.8	814.4	801.5
10°	1037.6	1009.4	977.9	943.9	914.9	886.7	863.0	842.3	819.9	800.4	784.3
12.5°	1088.7	1046.9	1003.5	962.2	927.8	888.7	860.1	833.7	808.3	784.8	766.7
15°	1149.2	1096.1	1044.7	987.9	935.6	886.7	852.7	819.5	790.0	766.0	742.8
17.5°	1204.3	1144.1	1076.3	1007.3	944.2	886.2	838.6	801.1	764.2	734.8	711.7
20°	1235.5	1167.0	1090.3	1018.6	948.9	884.2	831.9	787.1	747.3	716.2	690.1
22.5°	1262.3	1182.3	1102.9	1026.2	948.6	878.8	819.7	773.6	730.4	700.0	672.2
25°	1290.2	1194.4	1114.8	1024.8	938.1	865.9	799.5	747.3	704.2	668.5	639.9
27.5°	1314.1	1193.6	1099.1	1002.3	921.7	849.4	778.5	722.5	676.7	637.9	608.9
30°	1330.0	1195.2	1082.8	987.1	905.8	831.1	762.2	705.8	657.7	618.4	591.0
32.5°	1340.0	1194.2	1067.9	965.8	880.5	814.5	744.7	686.3	636.8	598.1	571.7
35°	1345.8	1186.9	1042.2	921.9	839.8	775.5	717.1	656.5	604.7	568.5	538.8
37.5°	1334.2	1171.6	1012.3	879.6	789.7	726.4	677.2	625.7	576.1	536.3	510.6
40°	1315.9	1161.7	989.1	849.8	755.2	694.3	652.4	601.7	552.8	515.1	491.0
42.5°	1281.0	1141.4	963.5	816.6	719.4	658.4	619.9	577.6	531.2	495.8	471.8
45°	1196.0	1097.3	925.3	766.8	666.5	603.4	569.4	538.8	496.9	462.4	441.6
47.5°	1078.1	1031.1	869.8	714.3	611.2	550.6	515.2	490.5	459.9	432.1	412.3
50°	996.2	976.7	832.3	678.5	574.4	515.1	481.1	458.7	436.7	408.9	390.7
52.5°	901.6	913.6	788.5	641.4	536.9	478.6	446.6	428.8	408.8	386.0	370.1
55°	768.5	812.0	712.9	578.9	481.1	425.5	395.2	379.5	367.9	350.9	337.2
57.5°	643.8	699.3	631.1	514.7	426.3	378.3	349.3	332.1	324.6	315.8	305.0
60°	569.8	624.6	572.7	471.5	389.4	343.8	318.1	303.6	296.1	289.9	280.7
62.5°	503.8	559.2	515.6	427.8	353.2	310.9	288.6	274.4	268.5	265.3	257.5
65°	413.0	460.7	431.7	359.6	301.5	264.2	243.8	233.9	228.5	227.3	222.3
67.5°	336.2	372.5	351.3	298.3	252.5	220.3	203.0	194.6	190.4	190.0	186.3
70°	285.7	319.7	303.6	255.5	216.1	190.8	175.9	168.3	165.9	165.5	163.4
72.5°	246.6	270.3	257.5	217.3	186.9	163.9	153.0	145.1	142.4	142.9	141.5
75°	182.4	200.3	192.8	165.1	140.6	125.6	116.5	111.5	109.1	110.4	108.7
77.5°	131.3	142.6	135.9	116.6	101.6	90.7	84.1	81.0	78.7	78.7	77.9
80°	99.1	105.8	102.0	90.4	78.0	68.8	63.5	61.4	60.1	59.7	59.3
82.5°	70.6	76.2	71.9	63.8	55.4	49.9	46.9	44.1	43.3	43.5	43.0
85°	35.6	37.7	36.0	31.1	27.8	25.3	23.6	22.4	21.5	21.9	21.2
87.5°	15.2	15.1	13.6	11.9	10.9	9.5	9.1	8.2	7.8	8.2	8.2
90°	14.5	12.2	9.9	7.8	6.1	4.4	2.5	0.8	2.5	4.4	6.1
92.5°	16.9	15.2	13.5	12.8	13.3	13.8	14.3	14.8	14.3	13.8	13.3
95°	20.8	18.9	16.9	19.6	26.8	34.1	41.3	48.6	41.3	34.1	26.8
97.5°	51.1	63.8	76.5	84.5	87.8	91.0	94.3	97.5	94.3	91.0	87.8
100°	81.4	109.0	136.6	148.6	145.0	141.6	138.0	134.4	138.0	141.6	145.0
102.5°	112.6	142.8	172.9	186.6	184.1	181.6	179.0	176.5	179.0	181.6	184.1
105°	206.0	222.0	237.9	244.9	243.0	241.0	239.1	237.1	239.1	241.0	243.0
107.5°	314.3	311.9	309.3	307.3	305.8	304.2	302.6	301.1	302.6	304.2	305.8
110°	355.0	353.0	351.1	349.4	348.0	346.6	345.2	343.7	345.2	346.6	348.0



TEST NUMBER: P332162-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	395.1	393.1	391.2	389.6	388.3	387.0	385.7	384.4	385.7	387.0	388.3
115°	453.5	451.9	450.4	449.0	448.0	446.9	445.8	444.8	445.8	446.9	448.0
117.5°	511.1	510.3	509.5	508.4	507.1	505.8	504.5	503.2	504.5	505.8	507.1
120°	548.0	547.4	546.9	545.8	544.2	542.6	541.1	539.5	541.1	542.6	544.2
122.5°	583.9	583.3	582.6	581.6	580.3	579.0	577.7	576.4	577.7	579.0	580.3
125°	635.1	634.4	633.7	632.6	631.2	629.8	628.4	627.0	628.4	629.8	631.2
127.5°	684.5	683.7	682.8	681.7	680.2	678.8	677.4	676.0	677.4	678.8	680.2
130°	714.7	714.0	713.3	712.3	710.8	709.4	708.0	706.5	708.0	709.4	710.8
132.5°	743.6	743.1	742.5	741.5	740.1	738.6	737.3	735.9	737.3	738.6	740.1
135°	787.1	786.4	785.7	784.8	783.7	782.7	781.6	780.5	781.6	782.7	783.7
137.5°	825.8	825.4	825.0	824.1	822.8	821.4	820.1	818.7	820.1	821.4	822.8
140°	850.3	849.8	849.2	848.4	847.4	846.4	845.3	844.2	845.3	846.4	847.4
142.5°	873.9	873.3	872.8	872.0	870.9	869.9	868.8	867.8	868.8	869.9	870.9
145°	907.1	906.8	906.4	905.6	904.4	903.2	901.9	900.7	901.9	903.2	904.4
147.5°	936.3	935.9	935.6	935.0	934.1	933.3	932.6	931.8	932.6	933.3	934.1
150°	954.1	953.7	953.4	952.9	952.4	951.9	951.3	950.9	951.3	951.9	952.4
152.5°	969.6	969.5	969.2	969.0	968.8	968.5	968.3	968.0	968.3	968.5	968.8
155°	991.0	990.9	990.7	990.8	991.2	991.5	991.8	992.2	991.8	991.5	991.2
157.5°	1010.3	1010.6	1010.7	1010.8	1010.9	1010.9	1011.0	1011.0	1011.0	1010.9	1010.9
160°	1021.2	1021.4	1021.5	1021.8	1021.9	1022.1	1022.2	1022.5	1022.2	1022.1	1021.9
162.5°	1030.8	1030.9	1031.1	1031.4	1031.9	1032.4	1032.8	1033.2	1032.8	1032.4	1031.9
165°	1043.5	1043.6	1043.9	1044.2	1044.7	1045.3	1045.8	1046.3	1045.8	1045.3	1044.7
167.5°	1053.3	1053.3	1053.3	1053.7	1054.4	1055.1	1055.8	1056.5	1055.8	1055.1	1054.4
170°	1059.1	1059.1	1059.1	1059.4	1060.1	1060.8	1061.5	1062.2	1061.5	1060.8	1060.1
172.5°	1062.6	1062.4	1062.3	1062.6	1063.5	1064.4	1065.2	1066.0	1065.2	1064.4	1063.5
175°	1067.5	1067.2	1067.1	1067.5	1068.3	1069.2	1070.1	1071.0	1070.1	1069.2	1068.3
177.5°	1069.4	1069.3	1069.1	1069.4	1070.2	1070.9	1071.5	1072.2	1071.5	1070.9	1070.2
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	841.7	839.4	836.1	831.1	827.1	820.8	820.8	821.8	821.8	821.5	820.8
5°	816.2	809.9	802.5	793.8	784.7	775.5	773.9	770.6	768.1	766.4	764.3
7.5°	789.3	778.2	767.3	755.1	744.0	734.8	728.4	723.1	719.7	716.1	713.4
10°	771.0	757.2	744.4	731.6	717.5	706.3	699.3	694.3	690.5	687.2	685.6
12.5°	749.4	733.7	719.5	707.3	691.9	680.4	673.7	671.4	666.9	660.0	656.3
15°	717.9	703.4	686.3	667.7	660.2	646.1	638.3	634.5	632.0	626.6	625.0
17.5°	690.9	671.9	652.8	638.9	625.0	613.6	609.2	604.6	601.3	596.8	595.6
20°	669.4	652.4	634.9	620.0	605.5	593.0	589.3	586.0	582.7	580.6	578.9
22.5°	647.5	630.5	616.0	602.1	586.6	578.5	574.4	570.8	568.4	567.0	565.4
25°	616.7	601.7	585.6	573.1	560.7	555.3	552.8	550.7	549.1	547.0	546.6
27.5°	589.1	572.9	559.8	548.2	539.2	534.7	532.3	531.3	531.7	532.4	532.9
30°	568.5	553.7	542.9	532.9	524.7	520.5	520.1	520.1	521.7	522.1	523.0
32.5°	549.7	537.4	526.6	517.0	510.7	507.9	509.5	509.5	510.8	511.8	513.3
35°	522.1	511.4	503.0	494.8	489.4	490.6	491.5	492.3	494.3	496.9	498.5
37.5°	495.8	486.5	477.8	471.3	468.9	471.1	473.1	474.8	477.3	479.2	480.9
40°	476.9	469.8	461.6	455.7	456.6	457.9	459.5	461.6	463.7	464.9	466.6
42.5°	459.3	451.9	445.7	440.8	442.0	443.6	444.6	445.7	448.1	450.3	451.3
45°	432.5	426.7	421.0	418.0	418.9	419.7	420.5	421.8	423.8	425.5	426.0
47.5°	402.4	398.4	394.5	391.7	393.0	392.7	393.7	396.4	397.0	398.1	400.4
50°	383.2	379.5	374.9	374.1	374.1	374.1	374.5	377.8	377.8	379.5	381.1
52.5°	361.9	359.6	356.6	355.1	354.5	354.5	356.2	357.9	358.5	360.9	362.6
55°	330.5	328.0	325.6	324.3	323.4	324.3	327.6	328.4	330.5	331.8	333.0
57.5°	297.8	295.9	293.9	293.2	293.0	294.1	296.0	298.4	299.0	302.8	304.7
60°	276.2	273.3	271.6	271.6	270.8	274.6	273.7	277.9	278.7	281.1	284.1
62.5°	254.0	250.1	249.4	249.4	250.6	251.7	252.8	254.6	256.8	259.9	262.2
65°	218.2	216.1	219.0	218.6	217.7	220.2	220.2	222.3	224.7	227.7	232.3
67.5°	184.2	183.2	183.4	183.4	184.7	186.1	187.2	189.0	192.0	195.1	198.0
70°	161.3	162.6	160.5	162.2	163.4	163.8	164.6	167.2	170.5	172.5	175.9
72.5°	139.1	139.0	139.3	139.9	141.2	141.9	142.8	145.6	149.2	151.0	153.6
75°	107.0	106.5	107.8	107.8	109.9	110.7	111.5	112.8	116.1	118.6	120.6
77.5°	78.1	78.7	78.3	79.8	79.2	79.4	81.9	83.2	83.5	88.4	89.5
80°	58.9	59.7	60.1	60.5	61.0	60.1	63.1	64.2	64.2	67.2	69.2
82.5°	42.3	42.8	43.9	44.3	44.4	45.2	45.5	46.3	47.4	48.6	51.3
85°	21.2	22.4	22.8	22.4	22.8	21.9	23.2	23.6	24.1	24.1	24.1
87.5°	8.2	9.0	9.1	9.9	10.0	10.8	10.9	10.4	10.5	11.6	10.5
90°	7.8	9.9	12.2	14.5	16.8	19.1	19.8	20.5	21.2	21.9	22.4
92.5°	12.8	13.5	15.2	16.9	18.6	20.4	21.5	22.7	23.8	24.9	25.6
95°	19.6	16.9	18.9	20.8	22.7	24.6	25.9	27.2	28.4	29.6	30.3
97.5°	84.5	76.5	63.8	51.1	38.3	25.6	27.0	28.4	29.9	31.3	32.1
100°	148.6	136.6	109.0	81.4	53.9	26.2	27.6	29.1	30.5	31.9	32.7
102.5°	186.6	172.9	142.8	112.6	82.5	52.4	48.0	43.6	39.2	34.8	32.8
105°	244.9	237.9	222.0	206.0	190.2	174.3	143.0	111.7	80.3	49.0	33.6
107.5°	307.3	309.3	311.9	314.3	316.9	319.4	296.4	273.5	250.6	227.6	204.3
110°	349.4	351.1	353.0	355.0	356.9	358.9	353.0	347.2	341.4	335.5	320.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	389.6	391.2	393.1	395.1	397.0	398.9	399.0	399.2	399.3	399.3	396.7
115°	449.0	450.4	451.9	453.5	455.1	456.7	458.5	460.3	462.0	463.8	465.0
117.5°	508.4	509.5	510.3	511.1	511.9	512.7	514.1	515.6	517.0	518.4	519.2
120°	545.8	546.9	547.4	548.0	548.5	549.0	550.4	551.8	553.3	554.7	555.4
122.5°	581.6	582.6	583.3	583.9	584.6	585.3	586.3	587.2	588.3	589.2	589.9
125°	632.6	633.7	634.4	635.1	635.8	636.5	636.9	637.2	637.6	637.9	638.3
127.5°	681.7	682.8	683.7	684.5	685.3	686.2	686.7	687.3	687.9	688.5	688.6
130°	712.3	713.3	714.0	714.7	715.4	716.1	716.8	717.6	718.2	718.9	719.1
132.5°	741.5	742.5	743.1	743.6	744.2	744.7	745.4	746.2	746.9	747.6	747.7
135°	784.8	785.7	786.4	787.1	787.8	788.5	789.0	789.6	790.1	790.6	790.6
137.5°	824.1	825.0	825.4	825.8	826.2	826.6	827.4	828.2	829.1	830.0	830.2
140°	848.4	849.2	849.8	850.3	850.8	851.4	852.1	852.8	853.5	854.2	854.4
142.5°	872.0	872.8	873.3	873.9	874.4	874.9	875.5	876.1	876.6	877.2	877.2
145°	905.6	906.4	906.8	907.1	907.5	907.8	908.2	908.6	908.9	909.3	909.4
147.5°	935.0	935.6	935.9	936.3	936.6	937.0	937.3	937.7	938.0	938.4	938.2
150°	952.9	953.4	953.7	954.1	954.4	954.8	955.1	955.5	955.8	956.2	956.2
152.5°	969.0	969.2	969.5	969.6	969.9	970.1	970.7	971.4	972.0	972.6	972.6
155°	990.8	990.7	990.9	991.0	991.3	991.4	992.3	993.2	994.0	995.0	994.8
157.5°	1010.8	1010.7	1010.6	1010.3	1010.2	1010.0	1011.1	1012.2	1013.2	1014.2	1014.1
160°	1021.8	1021.5	1021.4	1021.2	1021.0	1020.9	1021.9	1022.9	1024.1	1025.1	1025.0
162.5°	1031.4	1031.1	1030.9	1030.8	1030.5	1030.4	1031.6	1032.8	1034.0	1035.2	1035.2
165°	1044.2	1043.9	1043.6	1043.5	1043.3	1043.1	1044.6	1045.9	1047.3	1048.8	1048.8
167.5°	1053.7	1053.3	1053.3	1053.3	1053.3	1053.3	1054.7	1056.1	1057.6	1059.0	1059.0
170°	1059.4	1059.1	1059.1	1059.1	1059.1	1059.1	1060.4	1061.8	1063.3	1064.7	1064.7
172.5°	1062.6	1062.3	1062.4	1062.6	1062.7	1062.9	1064.3	1065.7	1067.1	1068.5	1068.4
175°	1067.5	1067.1	1067.2	1067.5	1067.6	1067.8	1069.1	1070.2	1071.5	1072.8	1072.7
177.5°	1069.4	1069.1	1069.3	1069.4	1069.5	1069.7	1070.9	1072.0	1073.1	1074.2	1074.1
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332162-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	818.5	818.2	820.5	818.8	820.5	818.2	818.5	820.8	821.5	821.8	821.8
5°	761.8	763.1	758.9	758.9	758.9	763.1	761.8	764.3	766.4	768.1	770.6
7.5°	711.4	709.6	709.7	707.5	709.7	709.6	711.4	713.4	716.1	719.7	723.1
10°	680.6	678.1	677.2	677.6	677.2	678.1	680.6	685.6	687.2	690.5	694.3
12.5°	655.0	654.5	649.0	649.1	649.0	654.5	655.0	656.3	660.0	666.9	671.4
15°	625.0	617.1	616.2	618.8	616.2	617.1	625.0	625.0	626.6	632.0	634.5
17.5°	594.8	590.7	591.0	589.7	591.0	590.7	594.8	595.6	596.8	601.3	604.6
20°	578.9	576.5	576.1	573.1	576.1	576.5	578.9	578.9	580.6	582.7	586.0
22.5°	564.4	563.6	563.8	560.5	563.8	563.6	564.4	565.4	567.0	568.4	570.8
25°	546.2	548.3	546.6	546.6	546.6	548.3	546.2	546.6	547.0	549.1	550.7
27.5°	533.9	533.9	533.0	533.0	533.0	533.9	533.9	532.9	532.4	531.7	531.3
30°	524.7	524.2	525.1	525.1	525.1	524.2	524.7	523.0	522.1	521.7	520.1
32.5°	515.3	515.9	516.1	516.4	516.1	515.9	515.3	513.3	511.8	510.8	509.5
35°	501.0	501.4	502.6	501.8	502.6	501.4	501.0	498.5	496.9	494.3	492.3
37.5°	481.6	483.5	483.1	483.7	483.1	483.5	481.6	480.9	479.2	477.3	474.8
40°	467.0	468.3	467.8	467.8	467.8	468.3	467.0	466.6	464.9	463.7	461.6
42.5°	452.0	453.0	451.9	451.2	451.9	453.0	452.0	451.3	450.3	448.1	445.7
45°	427.5	426.7	428.0	426.4	428.0	426.7	427.5	426.0	425.5	423.8	421.8
47.5°	400.2	401.0	401.4	402.6	401.4	401.0	400.2	400.4	398.1	397.0	396.4
50°	382.0	384.4	384.4	384.0	384.4	384.4	382.0	381.1	379.5	377.8	377.8
52.5°	364.0	365.2	366.9	366.8	366.9	365.2	364.0	362.6	360.9	358.5	357.9
55°	336.4	337.2	338.0	338.4	338.0	337.2	336.4	333.0	331.8	330.5	328.4
57.5°	307.6	307.3	309.3	309.9	309.3	307.3	307.6	304.7	302.8	299.0	298.4
60°	287.4	287.4	290.7	292.0	290.7	287.4	287.4	284.1	281.1	278.7	277.9
62.5°	265.9	267.2	270.5	268.7	270.5	267.2	265.9	262.2	259.9	256.8	254.6
65°	234.3	237.7	237.3	238.8	237.3	237.7	234.3	232.3	227.7	224.7	222.3
67.5°	201.4	203.4	206.4	206.7	206.4	203.4	201.4	198.0	195.1	192.0	189.0
70°	179.2	181.3	182.9	184.1	182.9	181.3	179.2	175.9	172.5	170.5	167.2
72.5°	157.6	158.7	162.6	160.9	162.6	158.7	157.6	153.6	151.0	149.2	145.6
75°	123.6	126.5	129.0	127.7	129.0	126.5	123.6	120.6	118.6	116.1	112.8
77.5°	91.4	94.3	95.5	94.4	95.5	94.3	91.4	89.5	88.4	83.5	83.2
80°	72.2	71.8	74.2	73.8	74.2	71.8	72.2	69.2	67.2	64.2	64.2
82.5°	52.9	52.5	53.6	53.9	53.6	52.5	52.9	51.3	48.6	47.4	46.3
85°	25.7	26.9	25.3	24.9	25.3	26.9	25.7	24.1	24.1	24.1	23.6
87.5°	10.5	10.6	10.4	10.1	10.4	10.6	10.5	10.5	11.6	10.5	10.4
90°	22.8	23.1	23.5	23.8	23.5	23.1	22.8	22.4	21.9	21.2	20.5
92.5°	25.7	26.0	26.2	26.4	26.2	26.0	25.7	25.6	24.9	23.8	22.7
95°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	29.6	28.4	27.2
97.5°	32.2	32.4	32.6	32.8	32.6	32.4	32.2	32.1	31.3	29.9	28.4
100°	32.9	33.0	33.3	33.4	33.3	33.0	32.9	32.7	31.9	30.5	29.1
102.5°	33.1	33.4	33.7	34.1	33.7	33.4	33.1	32.8	34.8	39.2	43.6
105°	34.0	34.3	34.6	35.0	34.6	34.3	34.0	33.6	49.0	80.3	111.7
107.5°	180.7	157.2	133.6	110.0	133.6	157.2	180.7	204.3	227.6	250.6	273.5
110°	294.7	269.3	244.1	218.8	244.1	269.3	294.7	320.0	335.5	341.4	347.2



TEST NUMBER: P332162-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	391.4	386.1	380.7	375.4	380.7	386.1	391.4	396.7	399.3	399.3	399.2
115°	465.7	466.4	467.1	467.9	467.1	466.4	465.7	465.0	463.8	462.0	460.3
117.5°	519.3	519.4	519.6	519.8	519.6	519.4	519.3	519.2	518.4	517.0	515.6
120°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	555.4	554.7	553.3	551.8
122.5°	589.9	590.1	590.3	590.4	590.3	590.1	589.9	589.9	589.2	588.3	587.2
125°	638.7	639.0	639.4	639.7	639.4	639.0	638.7	638.3	637.9	637.6	637.2
127.5°	688.2	687.9	687.5	687.1	687.5	687.9	688.2	688.6	688.5	687.9	687.3
130°	718.7	718.4	718.0	717.7	718.0	718.4	718.7	719.1	718.9	718.2	717.6
132.5°	747.2	746.7	746.2	745.7	746.2	746.7	747.2	747.7	747.6	746.9	746.2
135°	790.1	789.6	789.0	788.5	789.0	789.6	790.1	790.6	790.6	790.1	789.6
137.5°	829.8	829.5	829.1	828.8	829.1	829.5	829.8	830.2	830.0	829.1	828.2
140°	854.1	853.7	853.3	852.9	853.3	853.7	854.1	854.4	854.2	853.5	852.8
142.5°	876.7	876.2	875.8	875.2	875.8	876.2	876.7	877.2	877.2	876.6	876.1
145°	909.4	909.4	909.4	909.4	909.4	909.4	909.4	909.4	909.3	908.9	908.6
147.5°	937.4	936.5	935.7	934.9	935.7	936.5	937.4	938.2	938.4	938.0	937.7
150°	955.6	955.1	954.6	954.0	954.6	955.1	955.6	956.2	956.2	955.8	955.5
152.5°	971.7	970.9	970.1	969.3	970.1	970.9	971.7	972.6	972.6	972.0	971.4
155°	993.8	992.8	991.7	990.6	991.7	992.8	993.8	994.8	995.0	994.0	993.2
157.5°	1012.7	1011.4	1010.0	1008.6	1010.0	1011.4	1012.7	1014.1	1014.2	1013.2	1012.2
160°	1023.7	1022.5	1021.3	1020.0	1021.3	1022.5	1023.7	1025.0	1025.1	1024.1	1022.9
162.5°	1034.2	1033.1	1032.0	1030.9	1032.0	1033.1	1034.2	1035.2	1035.2	1034.0	1032.8
165°	1047.7	1046.4	1045.1	1043.9	1045.1	1046.4	1047.7	1048.8	1048.8	1047.3	1045.9
167.5°	1057.6	1056.1	1054.7	1053.3	1054.7	1056.1	1057.6	1059.0	1059.0	1057.6	1056.1
170°	1063.3	1061.8	1060.4	1059.1	1060.4	1061.8	1063.3	1064.7	1064.7	1063.3	1061.8
172.5°	1066.9	1065.3	1063.7	1062.2	1063.7	1065.3	1066.9	1068.4	1068.5	1067.1	1065.7
175°	1071.3	1069.8	1068.4	1067.0	1068.4	1069.8	1071.3	1072.7	1072.8	1071.5	1070.2
177.5°	1072.7	1071.3	1069.8	1068.4	1069.8	1071.3	1072.7	1074.1	1074.2	1073.1	1072.0
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332162-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	820.8	820.8	827.1	831.1	836.1	839.4	841.7	844.1	848.0	853.3	859.3
5°	773.9	775.5	784.7	793.8	802.5	809.9	816.2	823.6	832.7	844.0	856.4
7.5°	728.4	734.8	744.0	755.1	767.3	778.2	789.3	801.5	814.4	830.8	848.3
10°	699.3	706.3	717.5	731.6	744.4	757.2	771.0	784.3	800.4	819.9	842.3
12.5°	673.7	680.4	691.9	707.3	719.5	733.7	749.4	766.7	784.8	808.3	833.7
15°	638.3	646.1	660.2	667.7	686.3	703.4	717.9	742.8	766.0	790.0	819.5
17.5°	609.2	613.6	625.0	638.9	652.8	671.9	690.9	711.7	734.8	764.2	801.1
20°	589.3	593.0	605.5	620.0	634.9	652.4	669.4	690.1	716.2	747.3	787.1
22.5°	574.4	578.5	586.6	602.1	616.0	630.5	647.5	672.2	700.0	730.4	773.6
25°	552.8	555.3	560.7	573.1	585.6	601.7	616.7	639.9	668.5	704.2	747.3
27.5°	532.3	534.7	539.2	548.2	559.8	572.9	589.1	608.9	637.9	676.7	722.5
30°	520.1	520.5	524.7	532.9	542.9	553.7	568.5	591.0	618.4	657.7	705.8
32.5°	509.5	507.9	510.7	517.0	526.6	537.4	549.7	571.7	598.1	636.8	686.3
35°	491.5	490.6	489.4	494.8	503.0	511.4	522.1	538.8	568.5	604.7	656.5
37.5°	473.1	471.1	468.9	471.3	477.8	486.5	495.8	510.6	536.3	576.1	625.7
40°	459.5	457.9	456.6	455.7	461.6	469.8	476.9	491.0	515.1	552.8	601.7
42.5°	444.6	443.6	442.0	440.8	445.7	451.9	459.3	471.8	495.8	531.2	577.6
45°	420.5	419.7	418.9	418.0	421.0	426.7	432.5	441.6	462.4	496.9	538.8
47.5°	393.7	392.7	393.0	391.7	394.5	398.4	402.4	412.3	432.1	459.9	490.5
50°	374.5	374.1	374.1	374.1	374.9	379.5	383.2	390.7	408.9	436.7	458.7
52.5°	356.2	354.5	354.5	355.1	356.6	359.6	361.9	370.1	386.0	408.8	428.8
55°	327.6	324.3	323.4	324.3	325.6	328.0	330.5	337.2	350.9	367.9	379.5
57.5°	296.0	294.1	293.0	293.2	293.9	295.9	297.8	305.0	315.8	324.6	332.1
60°	273.7	274.6	270.8	271.6	271.6	273.3	276.2	280.7	289.9	296.1	303.6
62.5°	252.8	251.7	250.6	249.4	249.4	250.1	254.0	257.5	265.3	268.5	274.4
65°	220.2	220.2	217.7	218.6	219.0	216.1	218.2	222.3	227.3	228.5	233.9
67.5°	187.2	186.1	184.7	183.4	183.4	183.2	184.2	186.3	190.0	190.4	194.6
70°	164.6	163.8	163.4	162.2	160.5	162.6	161.3	163.4	165.5	165.9	168.3
72.5°	142.8	141.9	141.2	139.9	139.3	139.0	139.1	141.5	142.9	142.4	145.1
75°	111.5	110.7	109.9	107.8	107.8	106.5	107.0	108.7	110.4	109.1	111.5
77.5°	81.9	79.4	79.2	79.8	78.3	78.7	78.1	77.9	78.7	78.7	81.0
80°	63.1	60.1	61.0	60.5	60.1	59.7	58.9	59.3	59.7	60.1	61.4
82.5°	45.5	45.2	44.4	44.3	43.9	42.8	42.3	43.0	43.5	43.3	44.1
85°	23.2	21.9	22.8	22.4	22.8	22.4	21.2	21.2	21.9	21.5	22.4
87.5°	10.9	10.8	10.0	9.9	9.1	9.0	8.2	8.2	8.2	7.8	8.2
90°	19.8	19.1	16.8	14.5	12.2	9.9	7.8	6.1	4.4	2.5	0.8
92.5°	21.5	20.4	18.6	16.9	15.2	13.5	12.8	13.3	13.8	14.3	14.8
95°	25.9	24.6	22.7	20.8	18.9	16.9	19.6	26.8	34.1	41.3	48.6
97.5°	27.0	25.6	38.3	51.1	63.8	76.5	84.5	87.8	91.0	94.3	97.5
100°	27.6	26.2	53.9	81.4	109.0	136.6	148.6	145.0	141.6	138.0	134.4
102.5°	48.0	52.4	82.5	112.6	142.8	172.9	186.6	184.1	181.6	179.0	176.5
105°	143.0	174.3	190.2	206.0	222.0	237.9	244.9	243.0	241.0	239.1	237.1
107.5°	296.4	319.4	316.9	314.3	311.9	309.3	307.3	305.8	304.2	302.6	301.1
110°	353.0	358.9	356.9	355.0	353.0	351.1	349.4	348.0	346.6	345.2	343.7



TEST NUMBER: P332162-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	399.0	398.9	397.0	395.1	393.1	391.2	389.6	388.3	387.0	385.7	384.4
115°	458.5	456.7	455.1	453.5	451.9	450.4	449.0	448.0	446.9	445.8	444.8
117.5°	514.1	512.7	511.9	511.1	510.3	509.5	508.4	507.1	505.8	504.5	503.2
120°	550.4	549.0	548.5	548.0	547.4	546.9	545.8	544.2	542.6	541.1	539.5
122.5°	586.3	585.3	584.6	583.9	583.3	582.6	581.6	580.3	579.0	577.7	576.4
125°	636.9	636.5	635.8	635.1	634.4	633.7	632.6	631.2	629.8	628.4	627.0
127.5°	686.7	686.2	685.3	684.5	683.7	682.8	681.7	680.2	678.8	677.4	676.0
130°	716.8	716.1	715.4	714.7	714.0	713.3	712.3	710.8	709.4	708.0	706.5
132.5°	745.4	744.7	744.2	743.6	743.1	742.5	741.5	740.1	738.6	737.3	735.9
135°	789.0	788.5	787.8	787.1	786.4	785.7	784.8	783.7	782.7	781.6	780.5
137.5°	827.4	826.6	826.2	825.8	825.4	825.0	824.1	822.8	821.4	820.1	818.7
140°	852.1	851.4	850.8	850.3	849.8	849.2	848.4	847.4	846.4	845.3	844.2
142.5°	875.5	874.9	874.4	873.9	873.3	872.8	872.0	870.9	869.9	868.8	867.8
145°	908.2	907.8	907.5	907.1	906.8	906.4	905.6	904.4	903.2	901.9	900.7
147.5°	937.3	937.0	936.6	936.3	935.9	935.6	935.0	934.1	933.3	932.6	931.8
150°	955.1	954.8	954.4	954.1	953.7	953.4	952.9	952.4	951.9	951.3	950.9
152.5°	970.7	970.1	969.9	969.6	969.5	969.2	969.0	968.8	968.5	968.3	968.0
155°	992.3	991.4	991.3	991.0	990.9	990.7	990.8	991.2	991.5	991.8	992.2
157.5°	1011.1	1010.0	1010.2	1010.3	1010.6	1010.7	1010.8	1010.9	1010.9	1011.0	1011.0
160°	1021.9	1020.9	1021.0	1021.2	1021.4	1021.5	1021.8	1021.9	1022.1	1022.2	1022.5
162.5°	1031.6	1030.4	1030.5	1030.8	1030.9	1031.1	1031.4	1031.9	1032.4	1032.8	1033.2
165°	1044.6	1043.1	1043.3	1043.5	1043.6	1043.9	1044.2	1044.7	1045.3	1045.8	1046.3
167.5°	1054.7	1053.3	1053.3	1053.3	1053.3	1053.3	1053.7	1054.4	1055.1	1055.8	1056.5
170°	1060.4	1059.1	1059.1	1059.1	1059.1	1059.1	1059.4	1060.1	1060.8	1061.5	1062.2
172.5°	1064.3	1062.9	1062.7	1062.6	1062.4	1062.3	1062.6	1063.5	1064.4	1065.2	1066.0
175°	1069.1	1067.8	1067.6	1067.5	1067.2	1067.1	1067.5	1068.3	1069.2	1070.1	1071.0
177.5°	1070.9	1069.7	1069.5	1069.4	1069.3	1069.1	1069.4	1070.2	1070.9	1071.5	1072.2
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



TEST NUMBER: P332162-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	861.3	862.9	868.6	872.6	877.2	879.9	882.5	884.6	887.2	887.8	897.5
5°	865.1	873.4	888.0	898.7	912.0	926.5	936.4	941.0	953.0	963.0	982.9
7.5°	864.0	881.7	903.6	926.3	950.7	973.3	992.8	1016.1	1032.6	1057.4	1081.8
10°	863.0	886.7	914.9	943.9	977.9	1009.4	1037.6	1069.1	1095.3	1129.7	1159.1
12.5°	860.1	888.7	927.8	962.2	1003.5	1046.9	1088.7	1129.2	1152.3	1209.7	1236.8
15°	852.7	886.7	935.6	987.9	1044.7	1096.1	1149.2	1191.5	1259.9	1310.1	1342.0
17.5°	838.6	886.2	944.2	1007.3	1076.3	1144.1	1204.3	1268.4	1341.0	1401.8	1466.5
20°	831.9	884.2	948.9	1018.6	1090.3	1167.0	1235.5	1312.6	1391.8	1451.5	1534.5
22.5°	819.7	878.8	948.6	1026.2	1102.9	1182.3	1262.3	1340.1	1431.6	1513.9	1592.8
25°	799.5	865.9	938.1	1024.8	1114.8	1194.4	1290.2	1393.4	1488.8	1594.6	1673.4
27.5°	778.5	849.4	921.7	1002.3	1099.1	1193.6	1314.1	1430.8	1547.4	1638.7	1697.0
30°	762.2	831.1	905.8	987.1	1082.8	1195.2	1330.0	1457.3	1571.0	1649.3	1682.1
32.5°	744.7	814.5	880.5	965.8	1067.9	1194.2	1340.0	1472.9	1572.3	1624.4	1618.1
35°	717.1	775.5	839.8	921.9	1042.2	1186.9	1345.8	1474.3	1535.3	1524.1	1439.5
37.5°	677.2	726.4	789.7	879.6	1012.3	1171.6	1334.2	1430.6	1426.6	1335.5	1212.9
40°	652.4	694.3	755.2	849.8	989.1	1161.7	1315.9	1378.6	1325.5	1198.1	1051.3
42.5°	619.9	658.4	719.4	816.6	963.5	1141.4	1281.0	1299.3	1195.4	1048.8	914.3
45°	569.4	603.4	666.5	766.8	925.3	1097.3	1196.0	1151.7	1011.9	860.5	758.1
47.5°	515.2	550.6	611.2	714.3	869.8	1031.1	1078.1	983.7	840.2	717.5	623.4
50°	481.1	515.1	574.4	678.5	832.3	976.7	996.2	874.3	742.4	634.5	557.4
52.5°	446.6	478.6	536.9	641.4	788.5	913.6	901.6	777.4	656.1	564.2	503.7
55°	395.2	425.5	481.1	578.9	712.9	812.0	768.5	649.9	549.5	478.2	432.1
57.5°	349.3	378.3	426.3	514.7	631.1	699.3	643.8	543.8	464.1	409.2	374.9
60°	318.1	343.8	389.4	471.5	572.7	624.6	569.8	481.5	414.3	370.3	339.7
62.5°	288.6	310.9	353.2	427.8	515.6	559.2	503.8	429.0	371.9	332.9	306.8
65°	243.8	264.2	301.5	359.6	431.7	460.7	413.0	352.5	308.2	279.1	261.7
67.5°	203.0	220.3	252.5	298.3	351.3	372.5	336.2	289.3	255.9	232.6	218.7
70°	175.9	190.8	216.1	255.5	303.6	319.7	285.7	247.2	222.7	204.1	191.2
72.5°	153.0	163.9	186.9	217.3	257.5	270.3	246.6	212.7	189.9	175.9	165.6
75°	116.5	125.6	140.6	165.1	192.8	200.3	182.4	161.3	146.0	136.0	128.2
77.5°	84.1	90.7	101.6	116.6	135.9	142.6	131.3	117.2	106.0	99.3	94.9
80°	63.5	68.8	78.0	90.4	102.0	105.8	99.1	88.3	80.5	76.8	73.0
82.5°	46.9	49.9	55.4	63.8	71.9	76.2	70.6	64.1	59.9	56.5	55.1
85°	23.6	25.3	27.8	31.1	36.0	37.7	35.6	34.0	31.5	29.5	29.5
87.5°	9.1	9.5	10.9	11.9	13.6	15.1	15.2	15.0	15.1	14.9	14.7
90°	2.5	4.4	6.1	7.8	9.9	12.2	14.5	16.8	19.1	19.8	20.5
92.5°	14.3	13.8	13.3	12.8	13.5	15.2	16.9	18.6	20.4	21.5	22.7
95°	41.3	34.1	26.8	19.6	16.9	18.9	20.8	22.7	24.6	25.9	27.2
97.5°	94.3	91.0	87.8	84.5	76.5	63.8	51.1	38.3	25.6	27.0	28.4
100°	138.0	141.6	145.0	148.6	136.6	109.0	81.4	53.9	26.2	27.6	29.1
102.5°	179.0	181.6	184.1	186.6	172.9	142.8	112.6	82.5	52.4	48.0	43.6
105°	239.1	241.0	243.0	244.9	237.9	222.0	206.0	190.2	174.3	143.0	111.7
107.5°	302.6	304.2	305.8	307.3	309.3	311.9	314.3	316.9	319.4	296.4	273.5
110°	345.2	346.6	348.0	349.4	351.1	353.0	355.0	356.9	358.9	353.0	347.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	385.7	387.0	388.3	389.6	391.2	393.1	395.1	397.0	398.9	399.0	399.2
115°	445.8	446.9	448.0	449.0	450.4	451.9	453.5	455.1	456.7	458.5	460.3
117.5°	504.5	505.8	507.1	508.4	509.5	510.3	511.1	511.9	512.7	514.1	515.6
120°	541.1	542.6	544.2	545.8	546.9	547.4	548.0	548.5	549.0	550.4	551.8
122.5°	577.7	579.0	580.3	581.6	582.6	583.3	583.9	584.6	585.3	586.3	587.2
125°	628.4	629.8	631.2	632.6	633.7	634.4	635.1	635.8	636.5	636.9	637.2
127.5°	677.4	678.8	680.2	681.7	682.8	683.7	684.5	685.3	686.2	686.7	687.3
130°	708.0	709.4	710.8	712.3	713.3	714.0	714.7	715.4	716.1	716.8	717.6
132.5°	737.3	738.6	740.1	741.5	742.5	743.1	743.6	744.2	744.7	745.4	746.2
135°	781.6	782.7	783.7	784.8	785.7	786.4	787.1	787.8	788.5	789.0	789.6
137.5°	820.1	821.4	822.8	824.1	825.0	825.4	825.8	826.2	826.6	827.4	828.2
140°	845.3	846.4	847.4	848.4	849.2	849.8	850.3	850.8	851.4	852.1	852.8
142.5°	868.8	869.9	870.9	872.0	872.8	873.3	873.9	874.4	874.9	875.5	876.1
145°	901.9	903.2	904.4	905.6	906.4	906.8	907.1	907.5	907.8	908.2	908.6
147.5°	932.6	933.3	934.1	935.0	935.6	935.9	936.3	936.6	937.0	937.3	937.7
150°	951.3	951.9	952.4	952.9	953.4	953.7	954.1	954.4	954.8	955.1	955.5
152.5°	968.3	968.5	968.8	969.0	969.2	969.5	969.6	969.9	970.1	970.7	971.4
155°	991.8	991.5	991.2	990.8	990.7	990.9	991.0	991.3	991.4	992.3	993.2
157.5°	1011.0	1010.9	1010.9	1010.8	1010.7	1010.6	1010.3	1010.2	1010.0	1011.1	1012.2
160°	1022.2	1022.1	1021.9	1021.8	1021.5	1021.4	1021.2	1021.0	1020.9	1021.9	1022.9
162.5°	1032.8	1032.4	1031.9	1031.4	1031.1	1030.9	1030.8	1030.5	1030.4	1031.6	1032.8
165°	1045.8	1045.3	1044.7	1044.2	1043.9	1043.6	1043.5	1043.3	1043.1	1044.6	1045.9
167.5°	1055.8	1055.1	1054.4	1053.7	1053.3	1053.3	1053.3	1053.3	1053.3	1054.7	1056.1
170°	1061.5	1060.8	1060.1	1059.4	1059.1	1059.1	1059.1	1059.1	1059.1	1060.4	1061.8
172.5°	1065.2	1064.4	1063.5	1062.6	1062.3	1062.4	1062.6	1062.7	1062.9	1064.3	1065.7
175°	1070.1	1069.2	1068.3	1067.5	1067.1	1067.2	1067.5	1067.6	1067.8	1069.1	1070.2
177.5°	1071.5	1070.9	1070.2	1069.4	1069.1	1069.3	1069.4	1069.5	1069.7	1070.9	1072.0
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	900.8	901.1	904.8	907.4	906.1	907.8	908.4
5°	984.1	999.1	1006.9	1012.7	1013.2	1013.6	1016.9
7.5°	1102.3	1118.3	1130.0	1147.8	1153.1	1159.1	1157.4
10°	1188.6	1212.2	1232.6	1243.3	1255.0	1271.9	1258.3
12.5°	1269.2	1311.1	1342.0	1358.8	1369.8	1373.2	1366.4
15°	1402.2	1456.9	1486.4	1485.5	1522.9	1539.1	1513.7
17.5°	1524.1	1574.6	1615.1	1635.9	1666.9	1673.8	1670.6
20°	1598.8	1653.9	1685.4	1721.1	1737.3	1751.8	1754.3
22.5°	1663.1	1712.6	1746.4	1776.2	1789.7	1796.6	1800.7
25°	1729.4	1768.4	1788.7	1799.0	1802.8	1802.0	1796.6
27.5°	1724.8	1727.8	1705.4	1683.5	1663.8	1641.6	1634.0
30°	1680.1	1645.2	1583.0	1547.8	1495.9	1454.8	1471.4
32.5°	1562.3	1492.9	1423.1	1346.0	1282.2	1264.1	1245.8
35°	1333.3	1211.4	1140.1	1057.1	1024.0	990.8	968.0
37.5°	1078.7	984.4	899.8	845.5	812.3	791.3	780.0
40°	932.7	847.7	778.0	734.0	708.8	685.2	681.8
42.5°	816.3	737.2	684.8	649.7	625.5	615.4	608.2
45°	668.5	613.4	578.1	553.3	537.1	530.8	522.5
47.5°	565.9	526.9	500.4	483.5	471.3	466.7	466.0
50°	508.4	476.1	456.6	443.3	433.8	432.1	425.5
52.5°	465.3	437.3	422.1	410.5	403.6	398.9	397.0
55°	403.9	385.2	371.6	365.0	359.6	355.0	355.0
57.5°	353.4	337.9	328.8	323.1	321.5	318.2	316.2
60°	322.3	309.0	301.9	296.9	293.7	294.1	290.3
62.5°	291.7	283.1	276.4	271.4	267.4	267.5	267.8
65°	248.4	241.8	236.8	235.1	232.7	229.7	230.6
67.5°	210.5	204.3	200.4	197.6	196.8	195.2	197.6
70°	183.3	178.7	175.9	173.3	172.5	172.9	175.0
72.5°	158.4	155.2	153.3	152.1	150.3	150.4	151.8
75°	124.5	121.9	120.3	119.0	118.6	118.6	118.6
77.5°	91.4	90.9	90.1	88.2	88.3	88.8	88.9
80°	72.2	70.9	70.5	69.7	68.4	67.6	69.7
82.5°	53.9	52.7	52.3	52.1	50.1	50.0	51.7
85°	29.0	27.8	28.2	27.8	27.8	27.4	27.4
87.5°	14.5	14.3	14.1	14.5	14.3	14.0	14.7
90°	21.2	21.9	22.4	22.8	23.1	23.5	23.8
92.5°	23.8	24.9	25.6	25.7	26.0	26.2	26.4
95°	28.4	29.6	30.3	30.3	30.3	30.3	30.3
97.5°	29.9	31.3	32.1	32.2	32.4	32.6	32.8
100°	30.5	31.9	32.7	32.9	33.0	33.3	33.4
102.5°	39.2	34.8	32.8	33.1	33.4	33.7	34.1
105°	80.3	49.0	33.6	34.0	34.3	34.6	35.0
107.5°	250.6	227.6	204.3	180.7	157.2	133.6	110.0
110°	341.4	335.5	320.0	294.7	269.3	244.1	218.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	399.3	399.3	396.7	391.4	386.1	380.7	375.4
115°	462.0	463.8	465.0	465.7	466.4	467.1	467.9
117.5°	517.0	518.4	519.2	519.3	519.4	519.6	519.8
120°	553.3	554.7	555.4	555.4	555.4	555.4	555.4
122.5°	588.3	589.2	589.9	589.9	590.1	590.3	590.4
125°	637.6	637.9	638.3	638.7	639.0	639.4	639.7
127.5°	687.9	688.5	688.6	688.2	687.9	687.5	687.1
130°	718.2	718.9	719.1	718.7	718.4	718.0	717.7
132.5°	746.9	747.6	747.7	747.2	746.7	746.2	745.7
135°	790.1	790.6	790.6	790.1	789.6	789.0	788.5
137.5°	829.1	830.0	830.2	829.8	829.5	829.1	828.8
140°	853.5	854.2	854.4	854.1	853.7	853.3	852.9
142.5°	876.6	877.2	877.2	876.7	876.2	875.8	875.2
145°	908.9	909.3	909.4	909.4	909.4	909.4	909.4
147.5°	938.0	938.4	938.2	937.4	936.5	935.7	934.9
150°	955.8	956.2	956.2	955.6	955.1	954.6	954.0
152.5°	972.0	972.6	972.6	971.7	970.9	970.1	969.3
155°	994.0	995.0	994.8	993.8	992.8	991.7	990.6
157.5°	1013.2	1014.2	1014.1	1012.7	1011.4	1010.0	1008.6
160°	1024.1	1025.1	1025.0	1023.7	1022.5	1021.3	1020.0
162.5°	1034.0	1035.2	1035.2	1034.2	1033.1	1032.0	1030.9
165°	1047.3	1048.8	1048.8	1047.7	1046.4	1045.1	1043.9
167.5°	1057.6	1059.0	1059.0	1057.6	1056.1	1054.7	1053.3
170°	1063.3	1064.7	1064.7	1063.3	1061.8	1060.4	1059.1
172.5°	1067.1	1068.5	1068.4	1066.9	1065.3	1063.7	1062.2
175°	1071.5	1072.8	1072.7	1071.3	1069.8	1068.4	1067.0
177.5°	1073.1	1074.2	1074.1	1072.7	1071.3	1069.8	1068.4
180°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0

(END OF REPORT)