

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: P332438-927

Luminaire Tested: **S123RDIW-S775D1030U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332438-927
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-S775D1030U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1030 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5681.2 lumens
Efficiency: N/A
Efficacy: 108.0 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: General Diffuse

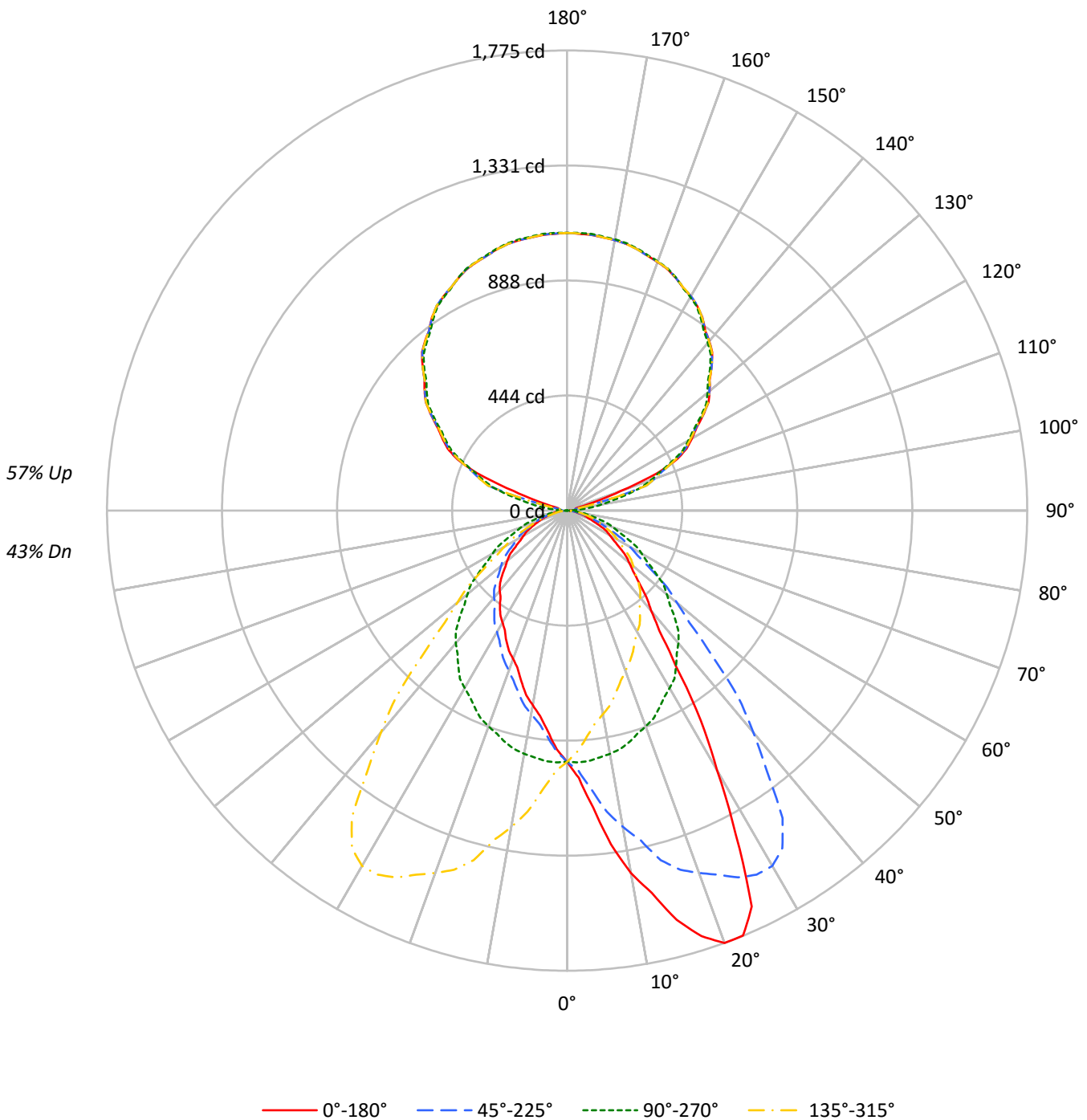
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	43
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	43	37
2	88	81	76	71	81	75	70	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	35	33	32	27
4	74	64	56	51	68	59	52	47	49	44	41	40	37	34	32	30	28	24
5	68	57	49	44	62	53	46	41	44	39	35	36	33	30	29	26	24	21
6	63	51	44	38	57	47	41	36	40	35	31	33	29	26	26	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17
8	54	42	35	30	49	39	32	28	33	28	24	28	24	21	22	20	18	15
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	16	14	13

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	1.7
10°-20°	297.7	5.2
20°-30°	467.6	8.2
30°-40°	487.9	8.6
40°-50°	417.5	7.3
50°-60°	318.2	5.6
60°-70°	204.0	3.6
70°-80°	98.1	1.7
80°-90°	29.0	0.5
90°-100°	38.9	0.7
100°-110°	185.6	3.3
110°-120°	445.8	7.8
120°-130°	567.6	10.0
130°-140°	606.5	10.7
140°-150°	567.1	10.0
150°-160°	457.5	8.1
160°-170°	295.2	5.2
170°-180°	101.8	1.8
0°-30°	860.6	15.1
0°-40°	1348.4	23.7
0°-60°	2084.2	36.7
0°-90°	2415.3	42.5
90°-120°	670.3	11.8
90°-150°	2411.5	42.4
90°-180°	3266.0	57.5
0°-180°	5681.2	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°	24	1	24	1	24	11
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°	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°	8.1	8.7	7.9	8.2	8.2	8.4	8.2	8.1	8.6	8.2	8.0
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°	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°	8.2	7.4	7.6	7.2	7.8	7.8	9.5	10.8	11.5	10.5	10.9
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: P332438-927

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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°	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°	10.9	12.3	13.1	13.9	14.7	14.7	15.2	15.4	15.8	16.0	16.1
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



TEST NUMBER: P332438-927

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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: P332438-927

CATALOG NUMBER: S123RDIW-S775D1030U927-4F0-1E-UDD-A

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°	16.9	16.2	16.3	16.7	16.3	16.2	16.9	16.1	16.0	15.8	15.4
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: P332438-927

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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



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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°	15.2	14.7	14.7	13.9	13.1	12.3	10.9	10.9	10.5	11.5	10.8
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: P332438-927

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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



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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°	9.5	7.8	7.8	7.2	7.6	7.4	8.2	8.0	8.2	8.6	8.1
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°	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°	8.2	8.4	8.2	8.2	7.9	8.7	8.1
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)