

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: P332943-927

Luminaire Tested: **SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332943-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D1035U927-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5916.9 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

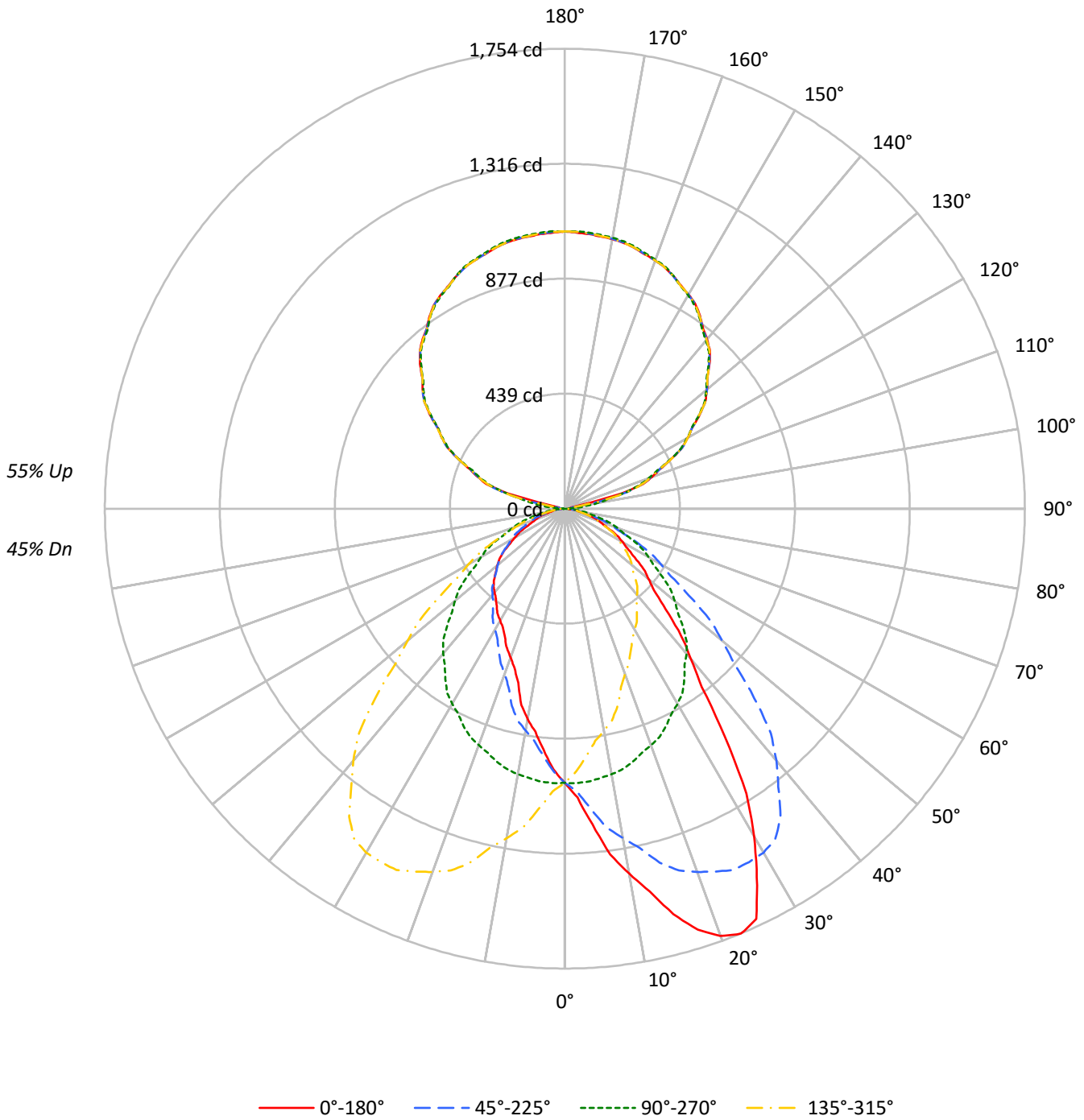
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45				45
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	39				39
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33				33
3	81	72	65	59	74	66	60	55	56	51	47	46	43	40	37	34	33	28				28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	25				25
5	68	57	49	43	62	53	46	41	45	39	35	37	33	30	30	27	25	22				22
6	63	51	43	38	58	47	41	35	40	35	31	33	29	26	27	24	22	19				19
7	58	46	39	33	53	43	36	31	37	31	27	31	26	23	25	22	20	17				17
8	54	42	35	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15				15
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14				14
10	47	35	28	24	43	33	26	22	28	23	20	24	20	17	20	17	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8442	8442	8442	8442
5°	9792	8468	7484	8468
10°	11584	8430	6679	8430
15°	13381	8352	5739	8352
20°	14898	8245	5191	8245
25°	15380	8141	4819	8141
30°	13463	8011	4595	8011
35°	10480	7823	4459	7823
40°	7860	7606	4387	7606
45°	6205	7258	4349	7258
50°	5238	6859	4222	6859
55°	4566	6415	3997	6415
60°	4108	5959	3538	5959
65°	3622	5465	3041	5465
70°	3262	4952	2745	4952
75°	2732	4389	2339	4389
80°	2311	3742	2194	3742
85°	1954	2927	1954	2927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	1.7
10°-20°	305.6	5.2
20°-30°	478.0	8.1
30°-40°	531.4	9.0
40°-50°	471.5	8.0
50°-60°	367.4	6.2
60°-70°	240.5	4.1
70°-80°	118.3	2.0
80°-90°	32.2	0.5
90°-100°	36.2	0.6
100°-110°	230.6	3.9
110°-120°	441.1	7.5
120°-130°	559.9	9.5
130°-140°	599.1	10.1
140°-150°	560.2	9.5
150°-160°	451.8	7.6
160°-170°	291.4	4.9
170°-180°	100.4	1.7
0°-30°	885.0	15.0
0°-40°	1416.4	23.9
0°-60°	2255.3	38.1
0°-90°	2646.3	44.7
90°-120°	707.8	12.0
90°-150°	2427.0	41.0
90°-180°	3271.0	55.3
0°-180°	5916.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1046	1046	1046	1046	1046	
5°	1208	1045	924	1045	1208	122
15°	1601	999	687	999	1601	455
25°	1727	914	541	914	1727	766
35°	1063	794	452	794	1063	667
45°	544	636	381	636	544	430
55°	324	456	284	456	324	295
65°	190	286	159	286	190	191
75°	88	141	75	141	88	96
85°	21	32	21	32	21	24
90°	24	2	24	2	24	11
95°	23	44	23	44	23	18
105°	225	238	225	238	225	197
115°	448	444	448	444	448	443
125°	630	625	630	625	630	561
135°	780	775	780	775	780	601
145°	898	894	898	894	898	561
155°	979	980	979	980	979	451
165°	1029	1034	1029	1034	1029	291
175°	1051	1057	1051	1057	1051	100
180°	1057	1057	1057	1057	1057	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1103.0	1106.0	1103.0	1102.6	1099.3	1098.3	1096.9	1092.6	1084.4	1079.7	1080.8
5°	1208.3	1218.9	1213.0	1212.1	1202.8	1193.6	1187.6	1174.2	1159.8	1150.2	1142.2
7.5°	1330.2	1336.3	1332.5	1326.6	1311.6	1303.1	1289.4	1271.7	1246.0	1226.4	1208.4
10°	1413.1	1418.2	1416.4	1405.5	1394.6	1372.2	1359.5	1334.7	1302.3	1276.6	1252.6
12.5°	1494.6	1500.1	1485.2	1485.7	1465.0	1447.4	1427.4	1396.1	1358.6	1325.5	1295.4
15°	1601.0	1594.3	1594.3	1585.8	1562.7	1538.2	1517.6	1484.7	1437.5	1397.9	1356.2
17.5°	1684.3	1686.6	1683.1	1663.3	1645.0	1619.8	1581.9	1543.6	1499.8	1446.6	1404.0
20°	1734.1	1734.1	1730.4	1716.8	1693.3	1666.3	1625.4	1583.7	1528.1	1474.6	1426.6
22.5°	1754.4	1755.7	1751.2	1740.1	1718.9	1692.6	1657.8	1615.4	1558.1	1497.9	1438.4
25°	1726.6	1734.6	1735.4	1732.4	1726.1	1710.1	1680.2	1636.8	1585.4	1520.1	1456.0
27.5°	1585.2	1595.2	1604.1	1618.7	1638.1	1648.1	1649.5	1627.5	1582.6	1519.7	1455.3
30°	1444.2	1452.7	1480.0	1515.8	1543.7	1569.0	1590.9	1596.8	1571.5	1515.0	1447.2
32.5°	1287.9	1299.3	1326.7	1365.2	1411.6	1454.4	1503.6	1528.7	1528.0	1494.1	1431.4
35°	1063.4	1071.8	1097.1	1137.6	1193.2	1256.8	1334.7	1395.3	1436.7	1433.7	1395.3
37.5°	857.6	867.1	892.7	926.2	980.2	1058.9	1134.3	1217.9	1294.3	1337.1	1324.4
40°	745.8	746.2	771.0	805.6	856.1	924.8	1006.9	1099.6	1184.7	1254.3	1267.7
42.5°	657.4	657.5	673.9	711.1	747.6	812.2	890.7	982.7	1082.3	1162.6	1198.3
45°	543.5	547.3	560.8	583.1	611.7	666.5	729.3	814.8	926.5	1021.7	1081.1
47.5°	460.3	465.8	474.4	492.6	515.4	551.9	603.8	680.6	771.5	876.2	960.8
50°	417.1	418.0	428.9	439.0	458.8	487.9	533.4	597.4	680.8	781.6	875.5
52.5°	380.0	379.9	386.4	399.3	415.3	438.0	474.8	533.1	607.0	697.3	794.2
55°	324.4	326.5	331.6	341.7	353.9	369.9	398.9	442.8	501.0	578.1	666.1
57.5°	282.1	283.2	287.2	291.4	302.7	314.3	336.1	366.5	415.6	478.7	560.8
60°	254.4	254.9	256.2	262.4	271.3	282.3	297.0	322.7	364.0	421.8	486.6
62.5°	227.5	228.2	230.2	234.8	241.7	249.2	264.7	285.3	319.5	368.8	427.3
65°	189.6	190.0	193.0	194.6	200.1	206.8	218.2	232.1	255.7	297.0	341.3
67.5°	158.4	158.4	158.6	160.9	164.6	169.1	175.9	187.0	204.9	230.2	269.2
70°	138.2	138.2	139.0	140.3	142.4	146.2	150.0	158.4	171.5	192.1	222.0
72.5°	119.3	119.6	120.5	120.7	121.8	124.9	127.8	133.2	142.8	158.4	182.6
75°	87.6	88.9	91.0	92.7	94.8	94.3	97.4	100.7	103.6	112.9	126.8
77.5°	65.2	64.6	64.8	66.2	66.5	66.9	69.0	71.6	73.8	78.2	83.2
80°	49.7	49.7	51.0	51.4	51.0	51.4	53.5	54.7	55.6	57.3	61.9
82.5°	37.5	38.3	37.9	38.3	38.5	38.9	40.7	41.0	41.8	42.5	44.4
85°	21.1	21.5	21.9	21.1	21.1	21.1	21.9	22.3	23.2	22.7	23.6
87.5°	12.1	11.7	12.0	12.0	12.2	11.7	11.9	12.4	11.4	11.6	11.2
90°	23.7	23.4	23.1	22.7	22.3	21.6	20.6	19.5	18.5	17.4	16.0
92.5°	21.9	21.8	21.7	21.6	21.5	21.0	20.0	18.9	17.8	16.8	15.4
95°	22.9	22.7	22.6	22.4	22.3	21.6	20.6	19.5	18.5	17.4	17.2
97.5°	22.2	21.9	21.8	21.6	21.5	21.3	21.2	21.1	21.0	20.9	40.5
100°	22.2	21.9	21.8	21.6	21.5	22.8	25.8	28.8	31.8	34.8	59.0
102.5°	22.8	22.7	22.7	22.7	22.7	38.7	71.0	103.2	135.4	167.6	170.8
105°	225.4	231.7	238.1	244.4	250.7	253.0	251.4	249.9	248.3	246.8	245.9
107.5°	314.1	313.5	312.8	312.1	311.4	310.7	310.0	309.2	308.4	307.6	306.4
110°	352.7	352.2	351.6	351.1	350.6	350.1	349.8	349.4	349.1	348.7	347.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	391.3	390.6	390.0	389.3	388.6	388.3	388.4	388.5	388.6	388.6	388.1
115°	447.6	447.6	447.6	447.6	447.6	447.4	447.1	446.7	446.4	446.0	446.2
117.5°	504.9	504.9	505.0	505.1	505.2	505.2	505.3	505.3	505.4	505.5	505.1
120°	540.9	541.3	541.6	541.9	542.3	542.3	541.9	541.6	541.3	540.9	541.1
122.5°	576.3	576.7	577.0	577.4	577.7	577.8	577.6	577.4	577.2	576.9	576.7
125°	629.5	629.3	629.2	629.0	628.8	628.4	627.9	627.4	626.9	626.3	626.7
127.5°	676.1	676.3	676.4	676.6	676.7	676.8	676.9	677.1	677.2	677.2	676.4
130°	707.8	707.8	707.8	707.8	707.8	707.7	707.5	707.3	707.2	707.0	706.5
132.5°	736.9	737.0	737.1	737.3	737.4	737.4	737.3	737.0	736.9	736.7	736.0
135°	780.5	780.1	779.8	779.5	779.1	778.8	778.4	778.1	777.7	777.4	776.7
137.5°	817.8	817.9	818.1	818.2	818.2	818.2	817.8	817.4	817.0	816.6	815.8
140°	843.8	843.6	843.4	843.3	843.1	842.7	842.2	841.7	841.1	840.7	840.3
142.5°	865.3	865.3	865.2	865.2	865.1	865.0	864.6	864.2	863.8	863.4	863.2
145°	898.3	898.0	897.6	897.3	897.0	896.7	896.5	896.4	896.2	896.0	896.0
147.5°	925.7	925.6	925.3	925.2	925.0	924.9	924.7	924.6	924.5	924.3	924.5
150°	943.4	943.3	943.1	942.9	942.7	942.6	942.6	942.6	942.6	942.6	942.9
152.5°	958.6	958.7	958.9	958.9	959.0	958.9	958.7	958.4	958.1	957.8	958.1
155°	979.1	979.5	980.1	980.6	981.1	981.0	980.3	979.6	978.9	978.3	978.7
157.5°	996.1	997.0	997.9	998.9	999.7	999.7	998.9	997.9	997.0	996.1	996.7
160°	1007.5	1008.5	1009.6	1010.7	1011.7	1011.7	1010.7	1009.6	1008.5	1007.5	1007.7
162.5°	1016.4	1017.6	1018.7	1019.9	1021.1	1021.2	1020.2	1019.1	1018.0	1017.0	1017.2
165°	1028.8	1030.4	1032.0	1033.6	1035.1	1035.2	1033.9	1032.5	1031.0	1029.6	1029.6
167.5°	1038.2	1039.9	1041.7	1043.5	1045.2	1045.3	1043.8	1042.2	1040.7	1039.1	1039.3
170°	1043.9	1045.6	1047.4	1049.2	1050.9	1051.1	1049.6	1048.3	1046.9	1045.4	1045.3
172.5°	1047.0	1048.9	1050.8	1052.7	1054.6	1054.9	1053.4	1052.1	1050.7	1049.2	1049.1
175°	1051.0	1053.1	1055.2	1057.3	1059.4	1059.7	1058.1	1056.5	1054.9	1053.4	1053.2
177.5°	1053.5	1055.2	1056.9	1058.6	1060.3	1060.6	1059.4	1058.3	1057.2	1056.1	1055.7
180°	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1077.4	1072.7	1070.3	1064.9	1058.5	1055.1	1052.1	1047.7	1042.0	1035.9	1031.5
5°	1132.0	1122.0	1109.3	1094.2	1080.7	1067.6	1056.2	1044.9	1031.8	1018.3	1004.8
7.5°	1188.2	1168.3	1146.8	1122.0	1097.8	1075.8	1055.6	1036.2	1014.2	994.7	976.8
10°	1227.2	1200.3	1170.4	1138.8	1107.2	1079.8	1052.9	1028.4	1001.5	977.5	957.2
12.5°	1258.9	1227.2	1191.3	1151.9	1114.0	1080.9	1049.8	1018.0	987.3	961.2	934.3
15°	1311.5	1268.1	1219.7	1172.5	1123.2	1078.2	1036.4	999.3	964.4	927.7	902.1
17.5°	1347.7	1296.2	1237.3	1180.6	1122.4	1069.2	1021.1	976.9	936.6	899.1	868.5
20°	1369.3	1312.4	1247.1	1182.6	1117.3	1060.4	1008.6	959.7	918.1	877.6	846.0
22.5°	1381.4	1318.4	1247.1	1179.6	1111.9	1050.4	993.5	942.5	897.1	856.7	821.7
25°	1385.3	1317.9	1245.0	1167.4	1093.3	1028.0	969.0	913.9	863.2	822.8	785.8
27.5°	1379.9	1300.5	1225.8	1146.3	1069.8	1000.9	939.1	881.1	830.4	787.0	749.0
30°	1371.8	1286.7	1206.7	1124.0	1046.6	980.4	915.0	859.4	806.8	761.8	723.4
32.5°	1354.2	1269.9	1183.7	1099.2	1020.6	952.4	890.5	834.6	782.9	736.8	696.1
35°	1319.5	1234.1	1140.5	1053.7	976.6	905.8	847.7	793.8	744.5	695.1	652.2
37.5°	1273.8	1186.5	1093.4	998.3	921.1	854.4	801.0	750.4	702.3	657.3	609.7
40°	1230.7	1151.0	1054.9	960.6	881.4	816.9	767.6	721.7	673.3	628.6	581.0
42.5°	1178.4	1110.6	1013.5	918.8	840.6	778.5	732.6	687.7	643.6	600.3	550.6
45°	1091.2	1039.8	948.8	857.8	779.0	717.5	675.3	635.7	597.0	555.7	509.0
47.5°	991.3	956.5	877.9	784.7	711.9	656.5	615.8	583.4	550.6	509.4	468.3
50°	921.9	899.5	823.6	738.6	669.1	618.1	576.4	546.1	518.6	479.0	442.4
52.5°	847.7	835.8	771.7	690.4	623.2	573.2	537.6	510.3	482.6	449.7	415.4
55°	734.7	741.1	686.7	616.4	553.2	511.0	478.6	455.8	432.3	404.5	378.0
57.5°	619.3	642.4	605.9	544.2	484.9	446.0	421.6	402.4	382.6	359.6	336.9
60°	550.2	569.6	549.0	494.6	442.8	406.5	383.8	369.1	349.3	328.2	310.9
62.5°	482.8	503.6	491.3	447.4	399.3	368.1	348.1	334.4	319.6	301.3	283.3
65°	398.2	411.6	405.8	375.4	341.3	314.7	296.2	286.1	272.6	259.1	243.1
67.5°	304.9	331.0	327.6	311.4	281.9	261.2	249.1	240.1	227.8	217.9	206.9
70°	250.6	274.7	274.3	261.2	245.2	225.9	217.4	209.8	198.8	189.2	180.3
72.5°	205.2	227.2	230.4	220.5	209.5	194.8	186.7	181.5	170.9	164.2	157.1
75°	143.7	159.7	163.9	163.9	158.8	151.2	144.1	140.7	133.2	127.2	123.0
77.5°	94.2	104.3	110.9	112.4	113.2	110.7	104.7	102.3	96.6	94.4	90.4
80°	66.5	73.3	80.9	83.4	85.6	84.7	82.1	80.5	75.0	72.9	71.2
82.5°	46.0	49.7	55.9	61.5	60.9	63.1	60.9	59.6	55.5	54.7	53.0
85°	24.0	24.4	25.3	29.1	31.2	32.0	32.5	31.6	30.3	30.3	27.4
87.5°	11.0	10.4	10.8	10.5	10.4	11.3	12.0	12.0	11.3	10.7	10.1
90°	14.6	13.2	11.8	10.1	8.2	6.3	4.3	2.4	4.3	6.3	8.2
92.5°	13.9	12.5	11.2	10.4	10.3	10.1	10.1	10.0	10.1	10.1	10.3
95°	17.0	16.9	16.7	19.6	25.6	31.5	37.5	43.5	37.5	31.5	25.6
97.5°	60.1	79.7	99.3	107.3	103.5	99.8	96.1	92.4	96.1	99.8	103.5
100°	83.3	107.6	131.8	142.4	139.2	136.0	132.8	129.7	132.8	136.0	139.2
102.5°	174.0	177.1	180.3	180.7	178.4	176.1	173.8	171.4	173.8	176.1	178.4
105°	244.9	244.1	243.2	242.2	241.2	240.1	239.1	238.1	239.1	240.1	241.2
107.5°	305.2	304.0	302.9	302.0	301.4	301.0	300.4	299.8	300.4	301.0	301.4
110°	346.7	345.5	344.5	343.7	343.2	342.7	342.1	341.7	342.1	342.7	343.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	387.6	387.1	386.7	386.0	385.0	384.0	383.1	382.1	383.1	384.0	385.0
115°	446.4	446.6	446.7	446.6	446.0	445.5	445.0	444.4	445.0	445.5	446.0
117.5°	504.7	504.3	503.9	503.4	502.7	502.0	501.3	500.6	501.3	502.0	502.7
120°	541.3	541.5	541.6	541.4	540.7	540.0	539.2	538.5	539.2	540.0	540.7
122.5°	576.5	576.2	576.0	575.7	575.2	574.8	574.4	573.9	574.4	574.8	575.2
125°	627.0	627.4	627.7	627.6	626.9	626.1	625.4	624.7	625.4	626.1	626.9
127.5°	675.7	674.9	674.0	673.5	673.4	673.2	673.0	672.8	673.0	673.2	673.4
130°	705.9	705.4	704.9	704.5	704.3	704.2	704.0	703.9	704.0	704.2	704.3
132.5°	735.4	734.7	734.0	733.6	733.2	732.9	732.6	732.3	732.6	732.9	733.2
135°	775.9	775.2	774.5	774.3	774.4	774.7	774.8	775.0	774.8	774.7	774.4
137.5°	815.1	814.3	813.5	813.1	813.0	812.9	812.9	812.8	812.9	812.9	813.0
140°	840.0	839.6	839.2	838.8	838.5	838.2	837.8	837.5	837.8	838.2	838.5
142.5°	863.0	862.8	862.5	862.1	861.5	860.9	860.2	859.6	860.2	860.9	861.5
145°	896.0	896.0	896.0	895.7	895.2	894.7	894.1	893.6	894.1	894.7	895.2
147.5°	924.6	924.8	925.0	924.6	923.6	922.7	921.6	920.7	921.6	922.7	923.6
150°	943.0	943.2	943.3	943.1	942.4	941.7	941.0	940.2	941.0	941.7	942.4
152.5°	958.5	958.8	959.1	958.9	958.4	957.8	957.3	956.7	957.3	957.8	958.4
155°	979.3	979.9	980.3	980.5	980.3	980.2	980.0	979.9	980.0	980.2	980.3
157.5°	997.3	997.9	998.5	998.9	998.9	999.0	999.2	999.3	999.2	999.0	998.9
160°	1007.8	1008.1	1008.2	1008.5	1009.1	1009.6	1010.1	1010.7	1010.1	1009.6	1009.1
162.5°	1017.3	1017.5	1017.7	1018.1	1018.7	1019.5	1020.1	1020.8	1020.1	1019.5	1018.7
165°	1029.6	1029.6	1029.6	1030.1	1030.9	1031.8	1032.7	1033.6	1032.7	1031.8	1030.9
167.5°	1039.3	1039.4	1039.6	1040.1	1041.0	1041.9	1042.8	1043.7	1042.8	1041.9	1041.0
170°	1045.1	1044.9	1044.7	1045.2	1046.2	1047.3	1048.4	1049.4	1048.4	1047.3	1046.2
172.5°	1048.9	1048.7	1048.5	1049.0	1050.0	1051.1	1052.2	1053.2	1052.2	1051.1	1050.0
175°	1053.0	1052.8	1052.7	1053.1	1054.2	1055.2	1056.3	1057.3	1056.3	1055.2	1054.2
177.5°	1055.5	1055.2	1054.9	1055.3	1056.3	1057.2	1058.2	1059.2	1058.2	1057.2	1056.3
180°	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1026.8	1023.4	1019.1	1014.0	1008.0	1002.6	1000.2	1002.2	1003.2	1000.5	1000.2
5°	995.5	985.0	976.6	963.9	953.9	945.4	939.5	937.0	937.9	931.1	929.4
7.5°	960.4	947.9	934.1	919.2	905.1	892.8	886.3	882.7	875.6	872.5	867.4
10°	937.9	921.0	907.5	889.8	873.8	859.0	851.9	846.0	838.8	835.4	828.3
12.5°	914.6	895.0	880.2	861.8	845.5	827.7	820.9	809.9	798.8	791.6	782.4
15°	881.8	858.3	840.1	818.2	798.8	778.6	760.5	740.2	732.7	716.7	707.4
17.5°	843.4	819.5	797.1	767.7	737.8	712.7	693.4	674.0	662.4	652.2	647.5
20°	818.2	796.3	765.1	730.9	697.7	669.9	654.3	641.7	629.0	621.9	616.8
22.5°	794.2	766.3	730.1	693.2	660.0	638.2	625.0	612.0	601.7	594.9	588.1
25°	754.2	717.5	679.1	637.0	614.3	595.3	581.0	570.5	564.1	555.3	551.9
27.5°	713.0	668.5	626.2	597.9	574.3	556.9	544.4	536.5	528.5	522.8	518.5
30°	681.3	636.2	598.3	571.3	547.3	533.0	522.8	513.6	507.2	502.6	499.2
32.5°	649.9	604.8	573.0	544.0	525.1	511.0	500.3	493.4	488.4	482.4	480.4
35°	604.6	564.6	536.8	510.6	491.2	478.6	470.2	463.0	458.8	457.1	455.8
37.5°	561.0	528.2	498.4	476.9	459.6	449.7	439.7	436.3	433.3	430.3	431.7
40°	533.4	502.6	476.1	453.4	439.4	428.5	422.6	418.4	415.8	415.8	415.8
42.5°	509.5	479.3	453.5	433.1	419.2	410.0	403.4	399.8	398.9	398.6	400.7
45°	472.3	444.5	418.4	401.5	389.7	380.4	376.7	373.7	373.7	375.4	375.8
47.5°	435.5	409.4	388.5	369.6	358.8	353.0	349.7	348.2	348.3	350.1	352.0
50°	412.9	387.2	366.5	349.7	339.6	334.1	331.1	330.3	331.1	331.1	334.1
52.5°	388.2	365.3	345.0	330.8	319.3	314.2	312.6	311.4	312.0	313.3	314.6
55°	352.2	331.6	312.2	298.7	290.3	286.9	283.1	283.5	282.7	283.5	283.5
57.5°	316.1	297.5	279.5	268.8	261.4	256.5	252.4	253.6	252.3	252.2	251.4
60°	292.8	272.6	258.3	248.6	240.1	235.9	232.1	233.0	231.7	230.8	229.2
62.5°	267.5	250.6	237.0	227.7	220.9	216.0	212.2	211.4	208.5	205.6	201.9
65°	230.8	217.0	204.8	195.9	189.6	185.8	182.8	180.3	174.0	167.2	163.9
67.5°	195.3	185.2	173.8	166.4	161.2	156.2	150.6	146.3	140.4	136.7	134.6
70°	172.3	162.6	153.0	145.8	140.3	135.7	129.4	126.4	122.2	120.5	118.4
72.5°	150.4	141.4	132.4	125.9	120.1	116.5	111.5	108.5	106.7	106.0	103.9
75°	117.2	110.0	103.2	97.4	92.7	90.2	88.1	86.0	85.1	81.3	79.2
77.5°	85.5	80.7	76.5	72.3	69.0	67.3	63.3	60.8	59.4	57.7	57.2
80°	66.5	63.2	59.0	56.5	51.8	50.1	48.5	48.0	47.6	47.2	46.7
82.5°	50.1	46.7	42.5	41.0	39.7	38.7	37.6	37.2	36.8	37.1	37.0
85°	25.3	23.6	23.6	23.2	22.7	22.3	21.9	21.9	21.5	21.9	21.5
87.5°	10.5	10.5	10.7	10.3	10.9	11.2	11.1	11.3	11.9	11.4	11.6
90°	10.1	11.8	13.2	14.6	16.0	17.4	18.5	19.5	20.6	21.6	22.3
92.5°	10.4	11.2	12.5	13.9	15.4	16.8	17.8	18.9	20.0	21.0	21.5
95°	19.6	16.7	16.9	17.0	17.2	17.4	18.5	19.5	20.6	21.6	22.3
97.5°	107.3	99.3	79.7	60.1	40.5	20.9	21.0	21.1	21.2	21.3	21.5
100°	142.4	131.8	107.6	83.3	59.0	34.8	31.8	28.8	25.8	22.8	21.5
102.5°	180.7	180.3	177.1	174.0	170.8	167.6	135.4	103.2	71.0	38.7	22.7
105°	242.2	243.2	244.1	244.9	245.9	246.8	248.3	249.9	251.4	253.0	250.7
107.5°	302.0	302.9	304.0	305.2	306.4	307.6	308.4	309.2	310.0	310.7	311.4
110°	343.7	344.5	345.5	346.7	347.7	348.7	349.1	349.4	349.8	350.1	350.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	386.0	386.7	387.1	387.6	388.1	388.6	388.6	388.5	388.4	388.3	388.6
115°	446.6	446.7	446.6	446.4	446.2	446.0	446.4	446.7	447.1	447.4	447.6
117.5°	503.4	503.9	504.3	504.7	505.1	505.5	505.4	505.3	505.3	505.2	505.2
120°	541.4	541.6	541.5	541.3	541.1	540.9	541.3	541.6	541.9	542.3	542.3
122.5°	575.7	576.0	576.2	576.5	576.7	576.9	577.2	577.4	577.6	577.8	577.7
125°	627.6	627.7	627.4	627.0	626.7	626.3	626.9	627.4	627.9	628.4	628.8
127.5°	673.5	674.0	674.9	675.7	676.4	677.2	677.2	677.1	676.9	676.8	676.7
130°	704.5	704.9	705.4	705.9	706.5	707.0	707.2	707.3	707.5	707.7	707.8
132.5°	733.6	734.0	734.7	735.4	736.0	736.7	736.9	737.0	737.3	737.4	737.4
135°	774.3	774.5	775.2	775.9	776.7	777.4	777.7	778.1	778.4	778.8	779.1
137.5°	813.1	813.5	814.3	815.1	815.8	816.6	817.0	817.4	817.8	818.2	818.2
140°	838.8	839.2	839.6	840.0	840.3	840.7	841.1	841.7	842.2	842.7	843.1
142.5°	862.1	862.5	862.8	863.0	863.2	863.4	863.8	864.2	864.6	865.0	865.1
145°	895.7	896.0	896.0	896.0	896.0	896.0	896.2	896.4	896.5	896.7	897.0
147.5°	924.6	925.0	924.8	924.6	924.5	924.3	924.5	924.6	924.7	924.9	925.0
150°	943.1	943.3	943.2	943.0	942.9	942.6	942.6	942.6	942.6	942.6	942.7
152.5°	958.9	959.1	958.8	958.5	958.1	957.8	958.1	958.4	958.7	958.9	959.0
155°	980.5	980.3	979.9	979.3	978.7	978.3	978.9	979.6	980.3	981.0	981.1
157.5°	998.9	998.5	997.9	997.3	996.7	996.1	997.0	997.9	998.9	999.7	999.7
160°	1008.5	1008.2	1008.1	1007.8	1007.7	1007.5	1008.5	1009.6	1010.7	1011.7	1011.7
162.5°	1018.1	1017.7	1017.5	1017.3	1017.2	1017.0	1018.0	1019.1	1020.2	1021.2	1021.1
165°	1030.1	1029.6	1029.6	1029.6	1029.6	1029.6	1031.0	1032.5	1033.9	1035.2	1035.1
167.5°	1040.1	1039.6	1039.4	1039.3	1039.3	1039.1	1040.7	1042.2	1043.8	1045.3	1045.2
170°	1045.2	1044.7	1044.9	1045.1	1045.3	1045.4	1046.9	1048.3	1049.6	1051.1	1050.9
172.5°	1049.0	1048.5	1048.7	1048.9	1049.1	1049.2	1050.7	1052.1	1053.4	1054.9	1054.6
175°	1053.1	1052.7	1052.8	1053.0	1053.2	1053.4	1054.9	1056.5	1058.1	1059.7	1059.4
177.5°	1055.3	1054.9	1055.2	1055.5	1055.7	1056.1	1057.2	1058.3	1059.4	1060.6	1060.3
180°	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3



TEST NUMBER: P332943-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	998.1	998.9	996.5	995.8	996.5	998.9	998.1	1000.2	1000.5	1003.2	1002.2
5°	926.1	925.2	923.1	923.5	923.1	925.2	926.1	929.4	931.1	937.9	937.0
7.5°	864.4	861.1	862.0	858.6	862.0	861.1	864.4	867.4	872.5	875.6	882.7
10°	826.6	822.0	818.2	814.8	818.2	822.0	826.6	828.3	835.4	838.8	846.0
12.5°	775.1	771.1	766.0	767.0	766.0	771.1	775.1	782.4	791.6	798.8	809.9
15°	701.9	695.6	685.5	686.7	685.5	695.6	701.9	707.4	716.7	732.7	740.2
17.5°	640.0	640.1	635.4	636.5	635.4	640.1	640.0	647.5	652.2	662.4	674.0
20°	607.9	605.0	605.4	604.2	605.4	605.0	607.9	616.8	621.9	629.0	641.7
22.5°	585.7	582.1	579.2	576.6	579.2	582.1	585.7	588.1	594.9	601.7	612.0
25°	548.1	545.6	541.8	541.0	541.8	545.6	548.1	551.9	555.3	564.1	570.5
27.5°	515.1	514.6	513.1	511.1	513.1	514.6	515.1	518.5	522.8	528.5	536.5
30°	495.9	495.0	494.2	492.9	494.2	495.0	495.9	499.2	502.6	507.2	513.6
32.5°	478.7	478.2	477.4	477.4	477.4	478.2	478.7	480.4	482.4	488.4	493.4
35°	454.2	453.8	452.9	452.5	452.9	453.8	454.2	455.8	457.1	458.8	463.0
37.5°	431.3	432.4	431.8	431.7	431.8	432.4	431.3	431.7	430.3	433.3	436.3
40°	415.4	415.8	416.7	416.3	416.7	415.8	415.4	415.8	415.8	415.8	418.4
42.5°	402.3	402.3	403.5	402.1	403.5	402.3	402.3	400.7	398.6	398.9	399.8
45°	378.7	381.3	380.9	380.9	380.9	381.3	378.7	375.8	375.4	373.7	373.7
47.5°	353.1	355.2	355.8	355.8	355.8	355.2	353.1	352.0	350.1	348.3	348.2
50°	336.2	335.3	336.6	336.2	336.6	335.3	336.2	334.1	331.1	331.1	330.3
52.5°	315.7	315.8	315.8	315.3	315.8	315.8	315.7	314.6	313.3	312.0	311.4
55°	284.0	284.4	283.5	284.0	283.5	284.4	284.0	283.5	283.5	282.7	283.5
57.5°	249.6	247.6	248.4	247.4	248.4	247.6	249.6	251.4	252.2	252.3	253.6
60°	225.0	221.6	220.8	219.1	220.8	221.6	225.0	229.2	230.8	231.7	233.0
62.5°	197.3	195.0	192.1	193.5	192.1	195.0	197.3	201.9	205.6	208.5	211.4
65°	160.5	158.8	157.6	159.2	157.6	158.8	160.5	163.9	167.2	174.0	180.3
67.5°	132.8	132.0	132.0	131.1	132.0	132.0	132.8	134.6	136.7	140.4	146.3
70°	118.4	117.2	117.2	116.3	117.2	117.2	118.4	118.4	120.5	122.2	126.4
72.5°	103.5	102.3	102.7	102.1	102.7	102.3	103.5	103.9	106.0	106.7	108.5
75°	76.7	74.5	74.5	75.0	74.5	74.5	76.7	79.2	81.3	85.1	86.0
77.5°	57.2	56.8	57.4	56.6	57.4	56.8	57.2	57.2	57.7	59.4	60.8
80°	46.7	46.3	45.9	47.2	45.9	46.3	46.7	46.7	47.2	47.6	48.0
82.5°	36.3	36.2	36.1	37.8	36.1	36.2	36.3	37.0	37.1	36.8	37.2
85°	21.9	21.1	21.9	21.1	21.9	21.1	21.9	21.5	21.9	21.5	21.9
87.5°	12.3	12.0	11.7	12.1	11.7	12.0	12.3	11.6	11.4	11.9	11.3
90°	22.7	23.1	23.4	23.7	23.4	23.1	22.7	22.3	21.6	20.6	19.5
92.5°	21.6	21.7	21.8	21.9	21.8	21.7	21.6	21.5	21.0	20.0	18.9
95°	22.4	22.6	22.7	22.9	22.7	22.6	22.4	22.3	21.6	20.6	19.5
97.5°	21.6	21.8	21.9	22.2	21.9	21.8	21.6	21.5	21.3	21.2	21.1
100°	21.6	21.8	21.9	22.2	21.9	21.8	21.6	21.5	22.8	25.8	28.8
102.5°	22.7	22.7	22.7	22.8	22.7	22.7	22.7	22.7	38.7	71.0	103.2
105°	244.4	238.1	231.7	225.4	231.7	238.1	244.4	250.7	253.0	251.4	249.9
107.5°	312.1	312.8	313.5	314.1	313.5	312.8	312.1	311.4	310.7	310.0	309.2
110°	351.1	351.6	352.2	352.7	352.2	351.6	351.1	350.6	350.1	349.8	349.4



TEST NUMBER: P332943-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	389.3	390.0	390.6	391.3	390.6	390.0	389.3	388.6	388.3	388.4	388.5
115°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.4	447.1	446.7
117.5°	505.1	505.0	504.9	504.9	504.9	505.0	505.1	505.2	505.2	505.3	505.3
120°	541.9	541.6	541.3	540.9	541.3	541.6	541.9	542.3	542.3	541.9	541.6
122.5°	577.4	577.0	576.7	576.3	576.7	577.0	577.4	577.7	577.8	577.6	577.4
125°	629.0	629.2	629.3	629.5	629.3	629.2	629.0	628.8	628.4	627.9	627.4
127.5°	676.6	676.4	676.3	676.1	676.3	676.4	676.6	676.7	676.8	676.9	677.1
130°	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.7	707.5	707.3
132.5°	737.3	737.1	737.0	736.9	737.0	737.1	737.3	737.4	737.4	737.3	737.0
135°	779.5	779.8	780.1	780.5	780.1	779.8	779.5	779.1	778.8	778.4	778.1
137.5°	818.2	818.1	817.9	817.8	817.9	818.1	818.2	818.2	818.2	817.8	817.4
140°	843.3	843.4	843.6	843.8	843.6	843.4	843.3	843.1	842.7	842.2	841.7
142.5°	865.2	865.2	865.3	865.3	865.3	865.2	865.2	865.1	865.0	864.6	864.2
145°	897.3	897.6	898.0	898.3	898.0	897.6	897.3	897.0	896.7	896.5	896.4
147.5°	925.2	925.3	925.6	925.7	925.6	925.3	925.2	925.0	924.9	924.7	924.6
150°	942.9	943.1	943.3	943.4	943.3	943.1	942.9	942.7	942.6	942.6	942.6
152.5°	958.9	958.9	958.7	958.6	958.7	958.9	958.9	959.0	958.9	958.7	958.4
155°	980.6	980.1	979.5	979.1	979.5	980.1	980.6	981.1	981.0	980.3	979.6
157.5°	998.9	997.9	997.0	996.1	997.0	997.9	998.9	999.7	999.7	998.9	997.9
160°	1010.7	1009.6	1008.5	1007.5	1008.5	1009.6	1010.7	1011.7	1011.7	1010.7	1009.6
162.5°	1019.9	1018.7	1017.6	1016.4	1017.6	1018.7	1019.9	1021.1	1021.2	1020.2	1019.1
165°	1033.6	1032.0	1030.4	1028.8	1030.4	1032.0	1033.6	1035.1	1035.2	1033.9	1032.5
167.5°	1043.5	1041.7	1039.9	1038.2	1039.9	1041.7	1043.5	1045.2	1045.3	1043.8	1042.2
170°	1049.2	1047.4	1045.6	1043.9	1045.6	1047.4	1049.2	1050.9	1051.1	1049.6	1048.3
172.5°	1052.7	1050.8	1048.9	1047.0	1048.9	1050.8	1052.7	1054.6	1054.9	1053.4	1052.1
175°	1057.3	1055.2	1053.1	1051.0	1053.1	1055.2	1057.3	1059.4	1059.7	1058.1	1056.5
177.5°	1058.6	1056.9	1055.2	1053.5	1055.2	1056.9	1058.6	1060.3	1060.6	1059.4	1058.3
180°	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1000.2	1002.6	1008.0	1014.0	1019.1	1023.4	1026.8	1031.5	1035.9	1042.0	1047.7
5°	939.5	945.4	953.9	963.9	976.6	985.0	995.5	1004.8	1018.3	1031.8	1044.9
7.5°	886.3	892.8	905.1	919.2	934.1	947.9	960.4	976.8	994.7	1014.2	1036.2
10°	851.9	859.0	873.8	889.8	907.5	921.0	937.9	957.2	977.5	1001.5	1028.4
12.5°	820.9	827.7	845.5	861.8	880.2	895.0	914.6	934.3	961.2	987.3	1018.0
15°	760.5	778.6	798.8	818.2	840.1	858.3	881.8	902.1	927.7	964.4	999.3
17.5°	693.4	712.7	737.8	767.7	797.1	819.5	843.4	868.5	899.1	936.6	976.9
20°	654.3	669.9	697.7	730.9	765.1	796.3	818.2	846.0	877.6	918.1	959.7
22.5°	625.0	638.2	660.0	693.2	730.1	766.3	794.2	821.7	856.7	897.1	942.5
25°	581.0	595.3	614.3	637.0	679.1	717.5	754.2	785.8	822.8	863.2	913.9
27.5°	544.4	556.9	574.3	597.9	626.2	668.5	713.0	749.0	787.0	830.4	881.1
30°	522.8	533.0	547.3	571.3	598.3	636.2	681.3	723.4	761.8	806.8	859.4
32.5°	500.3	511.0	525.1	544.0	573.0	604.8	649.9	696.1	736.8	782.9	834.6
35°	470.2	478.6	491.2	510.6	536.8	564.6	604.6	652.2	695.1	744.5	793.8
37.5°	439.7	449.7	459.6	476.9	498.4	528.2	561.0	609.7	657.3	702.3	750.4
40°	422.6	428.5	439.4	453.4	476.1	502.6	533.4	581.0	628.6	673.3	721.7
42.5°	403.4	410.0	419.2	433.1	453.5	479.3	509.5	550.6	600.3	643.6	687.7
45°	376.7	380.4	389.7	401.5	418.4	444.5	472.3	509.0	555.7	597.0	635.7
47.5°	349.7	353.0	358.8	369.6	388.5	409.4	435.5	468.3	509.4	550.6	583.4
50°	331.1	334.1	339.6	349.7	366.5	387.2	412.9	442.4	479.0	518.6	546.1
52.5°	312.6	314.2	319.3	330.8	345.0	365.3	388.2	415.4	449.7	482.6	510.3
55°	283.1	286.9	290.3	298.7	312.2	331.6	352.2	378.0	404.5	432.3	455.8
57.5°	252.4	256.5	261.4	268.8	279.5	297.5	316.1	336.9	359.6	382.6	402.4
60°	232.1	235.9	240.1	248.6	258.3	272.6	292.8	310.9	328.2	349.3	369.1
62.5°	212.2	216.0	220.9	227.7	237.0	250.6	267.5	283.3	301.3	319.6	334.4
65°	182.8	185.8	189.6	195.9	204.8	217.0	230.8	243.1	259.1	272.6	286.1
67.5°	150.6	156.2	161.2	166.4	173.8	185.2	195.3	206.9	217.9	227.8	240.1
70°	129.4	135.7	140.3	145.8	153.0	162.6	172.3	180.3	189.2	198.8	209.8
72.5°	111.5	116.5	120.1	125.9	132.4	141.4	150.4	157.1	164.2	170.9	181.5
75°	88.1	90.2	92.7	97.4	103.2	110.0	117.2	123.0	127.2	133.2	140.7
77.5°	63.3	67.3	69.0	72.3	76.5	80.7	85.5	90.4	94.4	96.6	102.3
80°	48.5	50.1	51.8	56.5	59.0	63.2	66.5	71.2	72.9	75.0	80.5
82.5°	37.6	38.7	39.7	41.0	42.5	46.7	50.1	53.0	54.7	55.5	59.6
85°	21.9	22.3	22.7	23.2	23.6	23.6	25.3	27.4	30.3	30.3	31.6
87.5°	11.1	11.2	10.9	10.3	10.7	10.5	10.5	10.1	10.7	11.3	12.0
90°	18.5	17.4	16.0	14.6	13.2	11.8	10.1	8.2	6.3	4.3	2.4
92.5°	17.8	16.8	15.4	13.9	12.5	11.2	10.4	10.3	10.1	10.1	10.0
95°	18.5	17.4	17.2	17.0	16.9	16.7	19.6	25.6	31.5	37.5	43.5
97.5°	21.0	20.9	40.5	60.1	79.7	99.3	107.3	103.5	99.8	96.1	92.4
100°	31.8	34.8	59.0	83.3	107.6	131.8	142.4	139.2	136.0	132.8	129.7
102.5°	135.4	167.6	170.8	174.0	177.1	180.3	180.7	178.4	176.1	173.8	171.4
105°	248.3	246.8	245.9	244.9	244.1	243.2	242.2	241.2	240.1	239.1	238.1
107.5°	308.4	307.6	306.4	305.2	304.0	302.9	302.0	301.4	301.0	300.4	299.8
110°	349.1	348.7	347.7	346.7	345.5	344.5	343.7	343.2	342.7	342.1	341.7



TEST NUMBER: P332943-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	388.6	388.6	388.1	387.6	387.1	386.7	386.0	385.0	384.0	383.1	382.1
115°	446.4	446.0	446.2	446.4	446.6	446.7	446.6	446.0	445.5	445.0	444.4
117.5°	505.4	505.5	505.1	504.7	504.3	503.9	503.4	502.7	502.0	501.3	500.6
120°	541.3	540.9	541.1	541.3	541.5	541.6	541.4	540.7	540.0	539.2	538.5
122.5°	577.2	576.9	576.7	576.5	576.2	576.0	575.7	575.2	574.8	574.4	573.9
125°	626.9	626.3	626.7	627.0	627.4	627.7	627.6	626.9	626.1	625.4	624.7
127.5°	677.2	677.2	676.4	675.7	674.9	674.0	673.5	673.4	673.2	673.0	672.8
130°	707.2	707.0	706.5	705.9	705.4	704.9	704.5	704.3	704.2	704.0	703.9
132.5°	736.9	736.7	736.0	735.4	734.7	734.0	733.6	733.2	732.9	732.6	732.3
135°	777.7	777.4	776.7	775.9	775.2	774.5	774.3	774.4	774.7	774.8	775.0
137.5°	817.0	816.6	815.8	815.1	814.3	813.5	813.1	813.0	812.9	812.9	812.8
140°	841.1	840.7	840.3	840.0	839.6	839.2	838.8	838.5	838.2	837.8	837.5
142.5°	863.8	863.4	863.2	863.0	862.8	862.5	862.1	861.5	860.9	860.2	859.6
145°	896.2	896.0	896.0	896.0	896.0	896.0	895.7	895.2	894.7	894.1	893.6
147.5°	924.5	924.3	924.5	924.6	924.8	925.0	924.6	923.6	922.7	921.6	920.7
150°	942.6	942.6	942.9	943.0	943.2	943.3	943.1	942.4	941.7	941.0	940.2
152.5°	958.1	957.8	958.1	958.5	958.8	959.1	958.9	958.4	957.8	957.3	956.7
155°	978.9	978.3	978.7	979.3	979.9	980.3	980.5	980.3	980.2	980.0	979.9
157.5°	997.0	996.1	996.7	997.3	997.9	998.5	998.9	998.9	999.0	999.2	999.3
160°	1008.5	1007.5	1007.7	1007.8	1008.1	1008.2	1008.5	1009.1	1009.6	1010.1	1010.7
162.5°	1018.0	1017.0	1017.2	1017.3	1017.5	1017.7	1018.1	1018.7	1019.5	1020.1	1020.8
165°	1031.0	1029.6	1029.6	1029.6	1029.6	1029.6	1030.1	1030.9	1031.8	1032.7	1033.6
167.5°	1040.7	1039.1	1039.3	1039.3	1039.4	1039.6	1040.1	1041.0	1041.9	1042.8	1043.7
170°	1046.9	1045.4	1045.3	1045.1	1044.9	1044.7	1045.2	1046.2	1047.3	1048.4	1049.4
172.5°	1050.7	1049.2	1049.1	1048.9	1048.7	1048.5	1049.0	1050.0	1051.1	1052.2	1053.2
175°	1054.9	1053.4	1053.2	1053.0	1052.8	1052.7	1053.1	1054.2	1055.2	1056.3	1057.3
177.5°	1057.2	1056.1	1055.7	1055.5	1055.2	1054.9	1055.3	1056.3	1057.2	1058.2	1059.2
180°	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3



TEST NUMBER: P332943-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1052.1	1055.1	1058.5	1064.9	1070.3	1072.7	1077.4	1080.8	1079.7	1084.4	1092.6
5°	1056.2	1067.6	1080.7	1094.2	1109.3	1122.0	1132.0	1142.2	1150.2	1159.8	1174.2
7.5°	1055.6	1075.8	1097.8	1122.0	1146.8	1168.3	1188.2	1208.4	1226.4	1246.0	1271.7
10°	1052.9	1079.8	1107.2	1138.8	1170.4	1200.3	1227.2	1252.6	1276.6	1302.3	1334.7
12.5°	1049.8	1080.9	1114.0	1151.9	1191.3	1227.2	1258.9	1295.4	1325.5	1358.6	1396.1
15°	1036.4	1078.2	1123.2	1172.5	1219.7	1268.1	1311.5	1356.2	1397.9	1437.5	1484.7
17.5°	1021.1	1069.2	1122.4	1180.6	1237.3	1296.2	1347.7	1404.0	1446.6	1499.8	1543.6
20°	1008.6	1060.4	1117.3	1182.6	1247.1	1312.4	1369.3	1426.6	1474.6	1528.1	1583.7
22.5°	993.5	1050.4	1111.9	1179.6	1247.1	1318.4	1381.4	1438.4	1497.9	1558.1	1615.4
25°	969.0	1028.0	1093.3	1167.4	1245.0	1317.9	1385.3	1456.0	1520.1	1585.4	1636.8
27.5°	939.1	1000.9	1069.8	1146.3	1225.8	1300.5	1379.9	1455.3	1519.7	1582.6	1627.5
30°	915.0	980.4	1046.6	1124.0	1206.7	1286.7	1371.8	1447.2	1515.0	1571.5	1596.8
32.5°	890.5	952.4	1020.6	1099.2	1183.7	1269.9	1354.2	1431.4	1494.1	1528.0	1528.7
35°	847.7	905.8	976.6	1053.7	1140.5	1234.1	1319.5	1395.3	1433.7	1436.7	1395.3
37.5°	801.0	854.4	921.1	998.3	1093.4	1186.5	1273.8	1324.4	1337.1	1294.3	1217.9
40°	767.6	816.9	881.4	960.6	1054.9	1151.0	1230.7	1267.7	1254.3	1184.7	1099.6
42.5°	732.6	778.5	840.6	918.8	1013.5	1110.6	1178.4	1198.3	1162.6	1082.3	982.7
45°	675.3	717.5	779.0	857.8	948.8	1039.8	1091.2	1081.1	1021.7	926.5	814.8
47.5°	615.8	656.5	711.9	784.7	877.9	956.5	991.3	960.8	876.2	771.5	680.6
50°	576.4	618.1	669.1	738.6	823.6	899.5	921.9	875.5	781.6	680.8	597.4
52.5°	537.6	573.2	623.2	690.4	771.7	835.8	847.7	794.2	697.3	607.0	533.1
55°	478.6	511.0	553.2	616.4	686.7	741.1	734.7	666.1	578.1	501.0	442.8
57.5°	421.6	446.0	484.9	544.2	605.9	642.4	619.3	560.8	478.7	415.6	366.5
60°	383.8	406.5	442.8	494.6	549.0	569.6	550.2	486.6	421.8	364.0	322.7
62.5°	348.1	368.1	399.3	447.4	491.3	503.6	482.8	427.3	368.8	319.5	285.3
65°	296.2	314.7	341.3	375.4	405.8	411.6	398.2	341.3	297.0	255.7	232.1
67.5°	249.1	261.2	281.9	311.4	327.6	331.0	304.9	269.2	230.2	204.9	187.0
70°	217.4	225.9	245.2	261.2	274.3	274.7	250.6	222.0	192.1	171.5	158.4
72.5°	186.7	194.8	209.5	220.5	230.4	227.2	205.2	182.6	158.4	142.8	133.2
75°	144.1	151.2	158.8	163.9	163.9	159.7	143.7	126.8	112.9	103.6	100.7
77.5°	104.7	110.7	113.2	112.4	110.9	104.3	94.2	83.2	78.2	73.8	71.6
80°	82.1	84.7	85.6	83.4	80.9	73.3	66.5	61.9	57.3	55.6	54.7
82.5°	60.9	63.1	60.9	61.5	55.9	49.7	46.0	44.4	42.5	41.8	41.0
85°	32.5	32.0	31.2	29.1	25.3	24.4	24.0	23.6	22.7	23.2	22.3
87.5°	12.0	11.3	10.4	10.5	10.8	10.4	11.0	11.2	11.6	11.4	12.4
90°	4.3	6.3	8.2	10.1	11.8	13.2	14.6	16.0	17.4	18.5	19.5
92.5°	10.1	10.1	10.3	10.4	11.2	12.5	13.9	15.4	16.8	17.8	18.9
95°	37.5	31.5	25.6	19.6	16.7	16.9	17.0	17.2	17.4	18.5	19.5
97.5°	96.1	99.8	103.5	107.3	99.3	79.7	60.1	40.5	20.9	21.0	21.1
100°	132.8	136.0	139.2	142.4	131.8	107.6	83.3	59.0	34.8	31.8	28.8
102.5°	173.8	176.1	178.4	180.7	180.3	177.1	174.0	170.8	167.6	135.4	103.2
105°	239.1	240.1	241.2	242.2	243.2	244.1	244.9	245.9	246.8	248.3	249.9
107.5°	300.4	301.0	301.4	302.0	302.9	304.0	305.2	306.4	307.6	308.4	309.2
110°	342.1	342.7	343.2	343.7	344.5	345.5	346.7	347.7	348.7	349.1	349.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	383.1	384.0	385.0	386.0	386.7	387.1	387.6	388.1	388.6	388.6	388.5
115°	445.0	445.5	446.0	446.6	446.7	446.6	446.4	446.2	446.0	446.4	446.7
117.5°	501.3	502.0	502.7	503.4	503.9	504.3	504.7	505.1	505.5	505.4	505.3
120°	539.2	540.0	540.7	541.4	541.6	541.5	541.3	541.1	540.9	541.3	541.6
122.5°	574.4	574.8	575.2	575.7	576.0	576.2	576.5	576.7	576.9	577.2	577.4
125°	625.4	626.1	626.9	627.6	627.7	627.4	627.0	626.7	626.3	626.9	627.4
127.5°	673.0	673.2	673.4	673.5	674.0	674.9	675.7	676.4	677.2	677.2	677.1
130°	704.0	704.2	704.3	704.5	704.9	705.4	705.9	706.5	707.0	707.2	707.3
132.5°	732.6	732.9	733.2	733.6	734.0	734.7	735.4	736.0	736.7	736.9	737.0
135°	774.8	774.7	774.4	774.3	774.5	775.2	775.9	776.7	777.4	777.7	778.1
137.5°	812.9	812.9	813.0	813.1	813.5	814.3	815.1	815.8	816.6	817.0	817.4
140°	837.8	838.2	838.5	838.8	839.2	839.6	840.0	840.3	840.7	841.1	841.7
142.5°	860.2	860.9	861.5	862.1	862.5	862.8	863.0	863.2	863.4	863.8	864.2
145°	894.1	894.7	895.2	895.7	896.0	896.0	896.0	896.0	896.0	896.2	896.4
147.5°	921.6	922.7	923.6	924.6	925.0	924.8	924.6	924.5	924.3	924.5	924.6
150°	941.0	941.7	942.4	943.1	943.3	943.2	943.0	942.9	942.6	942.6	942.6
152.5°	957.3	957.8	958.4	958.9	959.1	958.8	958.5	958.1	957.8	958.1	958.4
155°	980.0	980.2	980.3	980.5	980.3	979.9	979.3	978.7	978.3	978.9	979.6
157.5°	999.2	999.0	998.9	998.9	998.5	997.9	997.3	996.7	996.1	997.0	997.9
160°	1010.1	1009.6	1009.1	1008.5	1008.2	1008.1	1007.8	1007.7	1007.5	1008.5	1009.6
162.5°	1020.1	1019.5	1018.7	1018.1	1017.7	1017.5	1017.3	1017.2	1017.0	1018.0	1019.1
165°	1032.7	1031.8	1030.9	1030.1	1029.6	1029.6	1029.6	1029.6	1029.6	1031.0	1032.5
167.5°	1042.8	1041.9	1041.0	1040.1	1039.6	1039.4	1039.3	1039.3	1039.1	1040.7	1042.2
170°	1048.4	1047.3	1046.2	1045.2	1044.7	1044.9	1045.1	1045.3	1045.4	1046.9	1048.3
172.5°	1052.2	1051.1	1050.0	1049.0	1048.5	1048.7	1048.9	1049.1	1049.2	1050.7	1052.1
175°	1056.3	1055.2	1054.2	1053.1	1052.7	1052.8	1053.0	1053.2	1053.4	1054.9	1056.5
177.5°	1058.2	1057.2	1056.3	1055.3	1054.9	1055.2	1055.5	1055.7	1056.1	1057.2	1058.3
180°	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1096.9	1098.3	1099.3	1102.6	1103.0	1106.0	1103.0
5°	1187.6	1193.6	1202.8	1212.1	1213.0	1218.9	1208.3
7.5°	1289.4	1303.1	1311.6	1326.6	1332.5	1336.3	1330.2
10°	1359.5	1372.2	1394.6	1405.5	1416.4	1418.2	1413.1
12.5°	1427.4	1447.4	1465.0	1485.7	1485.2	1500.1	1494.6
15°	1517.6	1538.2	1562.7	1585.8	1594.3	1594.3	1601.0
17.5°	1581.9	1619.8	1645.0	1663.3	1683.1	1686.6	1684.3
20°	1625.4	1666.3	1693.3	1716.8	1730.4	1734.1	1734.1
22.5°	1657.8	1692.6	1718.9	1740.1	1751.2	1755.7	1754.4
25°	1680.2	1710.1	1726.1	1732.4	1735.4	1734.6	1726.6
27.5°	1649.5	1648.1	1638.1	1618.7	1604.1	1595.2	1585.2
30°	1590.9	1569.0	1543.7	1515.8	1480.0	1452.7	1444.2
32.5°	1503.6	1454.4	1411.6	1365.2	1326.7	1299.3	1287.9
35°	1334.7	1256.8	1193.2	1137.6	1097.1	1071.8	1063.4
37.5°	1134.3	1058.9	980.2	926.2	892.7	867.1	857.6
40°	1006.9	924.8	856.1	805.6	771.0	746.2	745.8
42.5°	890.7	812.2	747.6	711.1	673.9	657.5	657.4
45°	729.3	666.5	611.7	583.1	560.8	547.3	543.5
47.5°	603.8	551.9	515.4	492.6	474.4	465.8	460.3
50°	533.4	487.9	458.8	439.0	428.9	418.0	417.1
52.5°	474.8	438.0	415.3	399.3	386.4	379.9	380.0
55°	398.9	369.9	353.9	341.7	331.6	326.5	324.4
57.5°	336.1	314.3	302.7	291.4	287.2	283.2	282.1
60°	297.0	282.3	271.3	262.4	256.2	254.9	254.4
62.5°	264.7	249.2	241.7	234.8	230.2	228.2	227.5
65°	218.2	206.8	200.1	194.6	193.0	190.0	189.6
67.5°	175.9	169.1	164.6	160.9	158.6	158.4	158.4
70°	150.0	146.2	142.4	140.3	139.0	138.2	138.2
72.5°	127.8	124.9	121.8	120.7	120.5	119.6	119.3
75°	97.4	94.3	94.8	92.7	91.0	88.9	87.6
77.5°	69.0	66.9	66.5	66.2	64.8	64.6	65.2
80°	53.5	51.4	51.0	51.4	51.0	49.7	49.7
82.5°	40.7	38.9	38.5	38.3	37.9	38.3	37.5
85°	21.9	21.1	21.1	21.1	21.9	21.5	21.1
87.5°	11.9	11.7	12.2	12.0	12.0	11.7	12.1
90°	20.6	21.6	22.3	22.7	23.1	23.4	23.7
92.5°	20.0	21.0	21.5	21.6	21.7	21.8	21.9
95°	20.6	21.6	22.3	22.4	22.6	22.7	22.9
97.5°	21.2	21.3	21.5	21.6	21.8	21.9	22.2
100°	25.8	22.8	21.5	21.6	21.8	21.9	22.2
102.5°	71.0	38.7	22.7	22.7	22.7	22.7	22.8
105°	251.4	253.0	250.7	244.4	238.1	231.7	225.4
107.5°	310.0	310.7	311.4	312.1	312.8	313.5	314.1
110°	349.8	350.1	350.6	351.1	351.6	352.2	352.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	388.4	388.3	388.6	389.3	390.0	390.6	391.3
115°	447.1	447.4	447.6	447.6	447.6	447.6	447.6
117.5°	505.3	505.2	505.2	505.1	505.0	504.9	504.9
120°	541.9	542.3	542.3	541.9	541.6	541.3	540.9
122.5°	577.6	577.8	577.7	577.4	577.0	576.7	576.3
125°	627.9	628.4	628.8	629.0	629.2	629.3	629.5
127.5°	676.9	676.8	676.7	676.6	676.4	676.3	676.1
130°	707.5	707.7	707.8	707.8	707.8	707.8	707.8
132.5°	737.3	737.4	737.4	737.3	737.1	737.0	736.9
135°	778.4	778.8	779.1	779.5	779.8	780.1	780.5
137.5°	817.8	818.2	818.2	818.2	818.1	817.9	817.8
140°	842.2	842.7	843.1	843.3	843.4	843.6	843.8
142.5°	864.6	865.0	865.1	865.2	865.2	865.3	865.3
145°	896.5	896.7	897.0	897.3	897.6	898.0	898.3
147.5°	924.7	924.9	925.0	925.2	925.3	925.6	925.7
150°	942.6	942.6	942.7	942.9	943.1	943.3	943.4
152.5°	958.7	958.9	959.0	958.9	958.9	958.7	958.6
155°	980.3	981.0	981.1	980.6	980.1	979.5	979.1
157.5°	998.9	999.7	999.7	998.9	997.9	997.0	996.1
160°	1010.7	1011.7	1011.7	1010.7	1009.6	1008.5	1007.5
162.5°	1020.2	1021.2	1021.1	1019.9	1018.7	1017.6	1016.4
165°	1033.9	1035.2	1035.1	1033.6	1032.0	1030.4	1028.8
167.5°	1043.8	1045.3	1045.2	1043.5	1041.7	1039.9	1038.2
170°	1049.6	1051.1	1050.9	1049.2	1047.4	1045.6	1043.9
172.5°	1053.4	1054.9	1054.6	1052.7	1050.8	1048.9	1047.0
175°	1058.1	1059.7	1059.4	1057.3	1055.2	1053.1	1051.0
177.5°	1059.4	1060.6	1060.3	1058.6	1056.9	1055.2	1053.5
180°	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3	1057.3

(END OF REPORT)