

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: P331730-927

Luminaire Tested: **S122RDIP-S865D1080U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331730-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S865D1080U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1080 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5667.7 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

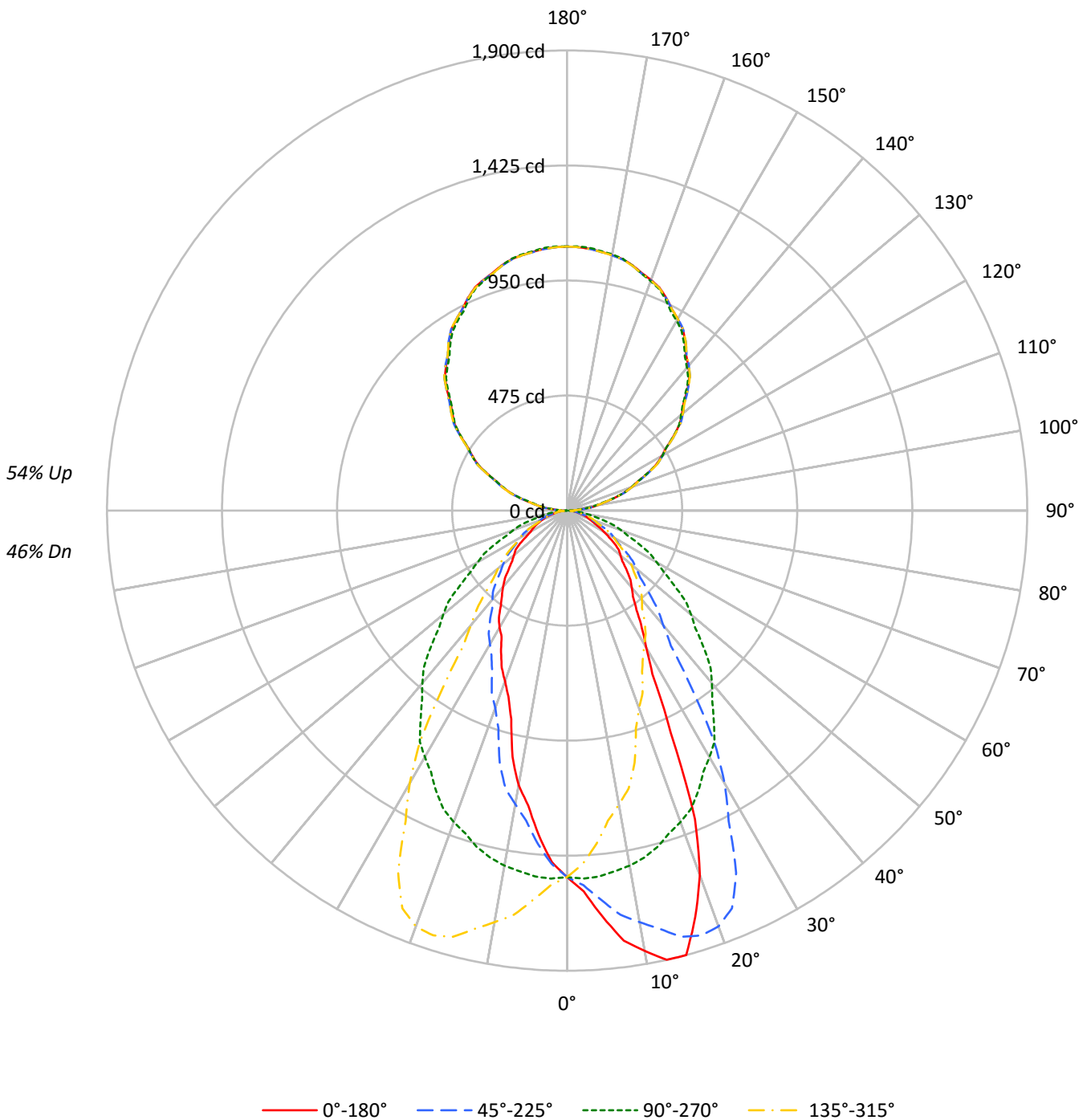
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46
1	98	94	90	87	90	86	83	80	72	70	68	59	58	57	48	47	46	40
2	89	83	77	72	82	76	71	67	64	61	58	53	51	48	43	41	40	35
3	82	73	66	61	75	68	62	57	57	53	49	48	45	42	39	37	35	31
4	76	65	58	52	69	61	54	49	51	47	43	43	39	37	35	33	31	27
5	70	59	51	45	64	54	48	43	46	41	37	39	35	32	32	29	27	24
6	64	53	45	40	59	49	42	38	42	37	33	36	32	29	29	27	24	22
7	60	48	41	35	55	45	38	33	39	33	30	33	29	26	27	24	22	20
8	56	44	37	31	51	41	34	30	35	30	27	30	26	23	25	22	20	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	23	21	18	16
10	49	37	30	26	45	35	29	24	30	25	22	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24425	24425	24425	24425
5°	27279	24577	21793	24577
10°	30263	24405	18889	24405
15°	31753	24047	14883	24047
20°	27527	23517	12880	23517
25°	18054	22792	11500	22792
30°	12152	21912	10407	21912
35°	9841	20802	9386	20802
40°	8753	19597	8686	19597
45°	7921	18182	7752	18182
50°	7209	16779	7181	16779
55°	6776	15226	6688	15226
60°	5667	13798	5603	13798
65°	4779	12531	5421	12531
70°	4419	11188	5113	11188
75°	4130	9738	4722	9738
80°	3812	8015	4203	8015
85°	3501	6317	3705	6317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	2.5
10°-20°	399.6	7.1
20°-30°	514.9	9.1
30°-40°	489.3	8.6
40°-50°	419.2	7.4
50°-60°	319.2	5.6
60°-70°	201.8	3.6
70°-80°	100.8	1.8
80°-90°	30.6	0.5
90°-100°	69.1	1.2
100°-110°	214.6	3.8
110°-120°	366.8	6.5
120°-130°	482.4	8.5
130°-140°	541.4	9.6
140°-150°	530.9	9.4
150°-160°	445.3	7.9
160°-170°	295.3	5.2
170°-180°	103.2	1.8
0°-30°	1057.9	18.7
0°-40°	1547.2	27.3
0°-60°	2285.6	40.3
0°-90°	2618.7	46.2
90°-120°	650.5	11.5
90°-150°	2205.2	38.9
90°-180°	3049.0	53.8
0°-180°	5667.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1513	1513	1513	1513	1513	
5°	1683	1516	1345	1516	1683	166
15°	1900	1439	890	1439	1900	512
25°	1013	1279	646	1279	1013	481
35°	499	1055	476	1055	499	319
45°	347	796	340	796	347	269
55°	241	541	238	541	241	211
65°	125	328	142	328	125	127
75°	66	156	76	156	66	70
85°	19	34	20	34	19	21
90°	31	1	31	1	31	14
95°	57	48	57	48	57	64
105°	204	198	204	198	204	215
115°	368	368	368	368	368	363
125°	537	536	537	536	537	479
135°	701	693	701	693	701	540
145°	850	841	850	841	850	531
155°	969	962	969	962	969	446
165°	1047	1046	1047	1046	1047	295
175°	1085	1089	1085	1089	1085	103
180°	1090	1090	1090	1090	1090	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1574.1	1575.4	1576.7	1573.7	1573.7	1571.2	1565.7	1561.5	1549.7	1548.1	1548.1
5°	1683.1	1682.0	1684.1	1677.3	1667.8	1665.7	1655.7	1642.6	1628.9	1613.7	1610.5
7.5°	1791.3	1789.7	1785.5	1784.4	1777.1	1761.3	1745.2	1728.1	1705.3	1683.1	1672.0
10°	1845.9	1863.3	1852.8	1834.4	1838.1	1813.4	1800.2	1777.7	1758.7	1725.6	1718.2
12.5°	1899.8	1906.6	1903.3	1892.8	1888.2	1871.0	1853.2	1833.6	1798.6	1768.9	1743.0
15°	1899.6	1909.6	1912.2	1909.1	1911.7	1910.7	1901.2	1884.8	1854.4	1821.8	1793.4
17.5°	1759.4	1766.3	1783.5	1795.2	1809.9	1841.0	1856.4	1862.3	1857.8	1839.2	1819.2
20°	1602.1	1590.5	1638.9	1663.6	1684.6	1737.2	1782.4	1799.8	1827.6	1827.1	1821.8
22.5°	1379.2	1382.0	1427.8	1457.1	1518.5	1571.1	1622.6	1687.9	1741.8	1777.4	1798.3
25°	1013.4	1033.4	1079.1	1119.0	1187.4	1285.2	1374.0	1477.0	1574.2	1651.0	1724.0
27.5°	761.1	762.6	798.8	835.8	876.3	956.4	1068.3	1191.3	1329.9	1444.3	1575.9
30°	651.8	648.6	663.8	686.4	721.1	783.2	867.3	988.2	1126.4	1298.8	1452.3
32.5°	574.4	574.6	586.1	602.8	631.6	673.4	731.0	829.3	959.9	1129.3	1309.3
35°	499.3	498.8	507.2	519.3	531.4	558.2	597.6	649.1	739.0	897.2	1081.2
37.5°	445.5	447.8	451.9	459.5	472.9	487.7	511.4	546.1	610.1	703.6	858.3
40°	415.3	416.3	422.1	428.4	436.3	447.8	467.3	495.1	541.9	616.6	729.5
42.5°	387.5	388.6	392.6	398.5	404.7	416.3	432.4	456.5	494.4	552.6	645.9
45°	346.9	346.9	350.6	353.2	360.0	370.6	383.7	403.7	429.9	473.1	535.1
47.5°	308.9	309.0	311.4	315.9	320.2	328.4	341.4	357.7	376.8	410.1	463.1
50°	287.0	287.5	289.1	292.8	295.4	302.8	312.8	326.9	346.9	372.6	416.8
52.5°	269.3	269.0	271.0	272.6	274.4	279.6	287.1	299.6	317.5	339.8	376.4
55°	240.7	238.6	241.8	244.4	246.0	248.1	252.3	260.2	275.4	294.4	321.7
57.5°	205.0	204.1	206.4	208.7	213.7	219.4	223.0	228.0	235.9	249.5	276.6
60°	175.5	175.5	180.3	181.9	187.7	195.0	202.4	206.6	214.4	223.4	243.4
62.5°	149.5	149.9	152.1	153.7	156.9	166.0	176.3	185.5	193.0	201.5	214.8
65°	125.1	126.1	126.1	127.2	129.3	131.4	135.6	143.0	156.1	168.2	178.2
67.5°	106.2	106.5	106.8	107.9	108.4	110.7	112.4	115.7	118.7	130.2	142.5
70°	93.6	95.1	94.6	95.7	96.2	97.2	99.3	100.9	105.7	108.3	115.7
72.5°	81.8	82.9	82.9	83.5	84.8	85.1	86.7	88.3	91.3	93.6	97.5
75°	66.2	65.7	66.2	67.3	67.8	68.4	68.4	70.4	72.0	74.1	76.8
77.5°	51.1	51.7	51.5	51.7	51.7	52.7	52.6	53.5	55.1	56.2	57.4
80°	41.0	41.5	41.0	41.5	42.1	42.5	42.1	42.5	44.1	45.2	45.2
82.5°	31.8	31.8	32.2	32.2	32.4	32.5	33.2	33.4	34.5	34.3	34.7
85°	18.9	18.4	18.4	18.4	18.9	19.4	18.9	18.9	19.4	19.4	19.4
87.5°	13.0	13.4	13.3	13.3	13.2	13.2	13.3	13.9	13.5	14.0	12.7
90°	31.3	31.1	30.9	30.7	30.5	30.6	31.0	31.4	31.8	32.2	27.7
92.5°	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.4	29.3	29.2	28.2
95°	57.0	57.4	57.9	58.3	58.7	58.9	58.9	58.9	58.9	58.9	58.5
97.5°	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	98.2
100°	126.0	126.3	126.5	126.7	126.9	127.0	127.0	127.0	127.0	127.0	126.4
102.5°	157.0	157.2	157.4	157.6	157.8	157.8	157.6	157.5	157.3	157.2	156.4
105°	204.3	204.3	204.3	204.3	204.3	204.1	203.7	203.3	202.9	202.4	202.0
107.5°	248.8	249.8	250.7	251.7	252.5	252.9	252.8	252.6	252.5	252.3	252.3
110°	283.4	284.0	284.6	285.3	285.9	286.2	286.2	286.2	286.2	286.2	286.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	316.6	317.0	317.4	317.9	318.4	318.9	319.3	319.8	320.3	320.8	320.9
115°	368.0	368.7	369.3	369.9	370.5	370.9	371.1	371.4	371.5	371.8	372.2
117.5°	417.2	417.8	418.4	419.1	419.7	420.3	420.7	421.2	421.7	422.2	423.3
120°	451.8	452.4	453.0	453.7	454.2	454.6	454.6	454.6	454.6	454.6	456.2
122.5°	485.7	486.2	486.6	487.0	487.5	487.9	488.5	488.9	489.4	489.9	491.1
125°	537.4	537.6	537.8	538.0	538.2	538.6	539.2	539.9	540.4	541.1	541.7
127.5°	584.5	585.2	585.8	586.5	587.1	587.8	588.5	589.3	590.0	590.7	591.5
130°	618.4	619.2	620.0	620.8	621.6	622.3	622.7	623.1	623.4	623.9	624.3
132.5°	650.8	651.4	652.0	652.8	653.4	654.2	655.1	655.9	656.9	657.7	657.7
135°	701.2	701.8	702.4	703.0	703.6	704.0	704.3	704.5	704.6	704.9	704.5
137.5°	746.8	747.7	748.5	749.2	750.1	750.6	750.8	750.9	751.1	751.2	750.7
140°	778.5	779.3	780.1	780.9	781.7	782.1	782.1	782.1	782.1	782.1	781.2
142.5°	807.2	808.0	808.8	809.6	810.5	810.8	810.6	810.5	810.3	810.2	809.5
145°	850.2	851.0	851.9	852.7	853.5	853.8	853.7	853.4	853.2	853.0	851.8
147.5°	888.7	889.5	890.3	891.0	891.8	892.0	891.5	891.1	890.7	890.2	889.4
150°	913.8	914.3	915.0	915.6	916.2	916.2	915.6	915.0	914.3	913.8	912.9
152.5°	937.3	938.1	938.9	939.6	940.4	940.4	939.6	938.9	938.1	937.3	936.4
155°	968.9	969.6	970.2	970.8	971.4	971.2	970.2	969.2	968.1	967.1	966.5
157.5°	996.2	997.2	998.1	999.1	1000.1	999.9	998.5	997.1	995.8	994.3	994.0
160°	1013.1	1013.9	1014.8	1015.6	1016.4	1016.2	1014.9	1013.8	1012.5	1011.3	1011.1
162.5°	1027.9	1028.8	1029.8	1030.8	1031.7	1031.6	1030.2	1028.8	1027.4	1026.0	1025.8
165°	1047.2	1048.2	1049.2	1050.3	1051.2	1051.1	1049.6	1048.2	1046.8	1045.4	1045.4
167.5°	1063.0	1064.1	1065.1	1066.2	1067.2	1067.1	1065.6	1064.2	1062.8	1061.4	1061.4
170°	1071.1	1072.3	1073.6	1074.8	1076.0	1075.9	1074.4	1073.0	1071.6	1070.2	1070.4
172.5°	1077.7	1079.0	1080.1	1081.4	1082.6	1082.5	1081.1	1079.7	1078.2	1076.8	1077.0
175°	1084.9	1086.2	1087.3	1088.6	1089.8	1089.7	1088.3	1086.9	1085.4	1083.9	1084.4
177.5°	1088.2	1089.2	1090.2	1091.2	1092.1	1092.1	1091.2	1090.2	1089.2	1088.2	1088.5
180°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1548.9	1545.5	1542.6	1535.0	1531.2	1522.8	1521.5	1521.1	1510.2	1499.7	1496.7
5°	1602.1	1593.7	1581.0	1566.4	1551.1	1535.3	1524.8	1516.4	1495.4	1475.4	1463.9
7.5°	1655.7	1637.6	1615.9	1588.0	1564.8	1538.7	1519.3	1502.0	1472.2	1443.6	1424.3
10°	1695.7	1666.2	1637.3	1598.9	1569.0	1539.5	1512.2	1488.6	1454.9	1417.1	1390.3
12.5°	1720.5	1688.1	1648.2	1610.7	1571.9	1534.5	1497.9	1467.5	1428.0	1388.9	1357.0
15°	1754.0	1719.3	1671.0	1617.3	1567.4	1518.5	1476.5	1438.6	1387.1	1340.3	1301.4
17.5°	1781.5	1733.7	1681.8	1619.8	1561.9	1499.8	1445.7	1397.3	1340.0	1283.6	1237.7
20°	1790.3	1743.0	1683.1	1621.0	1552.7	1479.6	1421.3	1368.7	1307.2	1245.7	1193.2
22.5°	1784.8	1748.0	1681.3	1607.1	1537.2	1460.7	1394.8	1333.8	1265.6	1202.8	1141.9
25°	1747.7	1735.0	1672.0	1591.0	1511.2	1422.4	1346.1	1279.4	1201.6	1134.3	1068.0
27.5°	1661.2	1688.4	1649.3	1563.1	1474.3	1379.0	1293.3	1217.3	1136.6	1060.9	994.9
30°	1577.9	1640.5	1623.7	1543.7	1444.4	1350.8	1254.7	1175.3	1089.1	1011.3	946.1
32.5°	1464.0	1567.3	1583.7	1516.9	1414.1	1311.3	1210.5	1131.6	1041.6	959.6	896.0
35°	1282.5	1437.0	1508.0	1465.5	1362.4	1251.5	1147.4	1055.4	965.0	884.1	821.0
37.5°	1066.0	1276.5	1394.8	1397.8	1303.2	1187.9	1074.6	983.3	890.7	811.3	743.0
40°	925.6	1153.7	1307.7	1341.9	1262.0	1137.4	1022.9	929.8	839.4	761.6	683.3
42.5°	799.5	1026.7	1216.1	1275.5	1212.0	1088.2	973.3	876.0	788.1	714.5	634.5
45°	646.5	845.2	1053.8	1160.1	1124.8	1010.3	888.8	796.3	713.8	650.2	573.5
47.5°	545.4	685.4	887.3	1030.9	1030.3	925.7	806.3	717.7	641.1	581.5	519.4
50°	487.7	609.7	780.5	943.5	957.1	869.3	755.8	668.0	596.6	534.0	484.1
52.5°	436.0	536.5	690.1	846.4	885.3	809.2	699.1	618.1	548.7	491.2	448.4
55°	368.4	446.2	562.9	709.1	767.9	714.3	616.6	540.9	484.7	436.3	399.5
57.5°	311.7	370.0	463.7	581.3	649.9	616.2	535.5	474.0	425.9	382.1	353.1
60°	275.9	323.8	403.1	501.5	577.1	553.5	484.7	427.3	386.3	348.5	321.2
62.5°	242.3	283.4	351.4	431.2	500.6	490.8	434.6	386.5	350.6	316.1	292.9
65°	195.0	225.0	278.1	340.6	396.3	401.1	360.6	328.0	296.0	268.6	248.1
67.5°	155.3	174.8	212.2	264.9	306.7	321.5	296.8	272.0	246.5	225.4	207.6
70°	130.9	146.6	174.0	216.6	254.9	270.7	256.5	237.0	215.0	197.6	182.4
72.5°	106.1	121.4	141.6	172.9	205.7	222.8	217.9	203.8	185.9	171.6	157.2
75°	79.9	84.6	98.3	119.3	145.0	159.8	163.5	156.1	141.9	130.9	122.5
77.5°	59.1	61.9	68.4	79.5	96.3	109.4	114.8	113.9	104.2	97.8	89.9
80°	47.3	48.9	52.0	56.8	69.4	82.5	86.2	86.2	79.4	76.8	68.8
82.5°	36.0	37.1	39.0	41.6	47.5	58.9	63.1	63.9	59.6	56.2	49.9
85°	20.5	20.0	21.0	22.6	23.7	26.8	33.1	34.1	33.1	28.9	27.3
87.5°	11.8	11.3	10.4	9.3	9.2	9.2	10.8	12.4	11.2	10.4	10.1
90°	23.2	18.7	14.2	10.8	8.3	5.9	3.4	1.0	3.4	5.9	8.3
92.5°	27.2	26.1	25.0	23.6	21.8	20.0	18.1	16.4	18.1	20.0	21.8
95°	58.1	57.7	57.3	56.0	53.9	52.0	49.9	47.8	49.9	52.0	53.9
97.5°	97.4	96.6	95.9	94.6	92.8	91.0	89.2	87.5	89.2	91.0	92.8
100°	125.7	125.2	124.5	123.4	121.8	120.2	118.5	116.8	118.5	120.2	121.8
102.5°	155.6	154.9	154.1	153.0	151.7	150.4	149.1	147.8	149.1	150.4	151.7
105°	201.6	201.2	200.8	200.3	199.7	199.1	198.4	197.8	198.4	199.1	199.7
107.5°	252.3	252.3	252.3	251.8	251.0	250.1	249.1	248.3	249.1	250.1	251.0
110°	286.2	286.2	286.2	285.6	284.3	283.1	281.9	280.7	281.9	283.1	284.3



TEST NUMBER: P331730-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	321.1	321.2	321.5	320.9	319.6	318.5	317.2	316.0	317.2	318.5	319.6
115°	372.6	373.0	373.4	373.0	371.8	370.5	369.3	368.0	369.3	370.5	371.8
117.5°	424.5	425.6	426.7	426.5	424.8	423.3	421.6	419.9	421.6	423.3	424.8
120°	457.9	459.5	461.1	461.1	459.5	457.9	456.2	454.6	456.2	457.9	459.5
122.5°	492.2	493.4	494.5	494.1	492.1	490.1	488.2	486.2	488.2	490.1	492.1
125°	542.3	542.9	543.5	542.9	541.1	539.2	537.4	535.5	537.4	539.2	541.1
127.5°	592.2	592.9	593.7	592.9	590.6	588.3	585.9	583.6	585.9	588.3	590.6
130°	624.7	625.1	625.5	624.4	621.7	619.1	616.4	613.8	616.4	619.1	621.7
132.5°	657.6	657.5	657.4	656.3	654.1	652.0	649.8	647.6	649.8	652.0	654.1
135°	704.0	703.6	703.2	701.9	699.7	697.4	695.1	692.9	695.1	697.4	699.7
137.5°	750.2	749.6	749.1	747.9	746.1	744.3	742.4	740.5	742.4	744.3	746.1
140°	780.1	779.1	778.1	776.7	774.8	772.9	771.1	769.3	771.1	772.9	774.8
142.5°	808.7	808.0	807.3	806.0	804.2	802.4	800.6	798.8	800.6	802.4	804.2
145°	850.6	849.3	848.1	846.8	845.3	843.9	842.5	841.1	842.5	843.9	845.3
147.5°	888.6	887.7	886.9	885.7	883.9	882.2	880.5	878.8	880.5	882.2	883.9
150°	912.1	911.3	910.5	909.4	908.2	907.0	905.8	904.5	905.8	907.0	908.2
152.5°	935.3	934.4	933.3	932.2	931.1	929.8	928.6	927.3	928.6	929.8	931.1
155°	965.9	965.3	964.6	964.1	963.5	962.8	962.2	961.6	962.2	962.8	963.5
157.5°	993.6	993.2	992.8	992.5	992.0	991.7	991.3	990.9	991.3	991.7	992.0
160°	1010.9	1010.7	1010.4	1010.2	1009.7	1009.3	1008.9	1008.5	1008.9	1009.3	1009.7
162.5°	1025.6	1025.4	1025.2	1025.1	1024.9	1024.8	1024.8	1024.7	1024.8	1024.8	1024.9
165°	1045.4	1045.4	1045.4	1045.4	1045.6	1045.8	1046.1	1046.2	1046.1	1045.8	1045.6
167.5°	1061.4	1061.4	1061.5	1061.8	1062.5	1063.0	1063.7	1064.3	1063.7	1063.0	1062.5
170°	1070.6	1070.8	1071.0	1071.4	1072.0	1072.6	1073.2	1073.9	1073.2	1072.6	1072.0
172.5°	1077.2	1077.4	1077.6	1078.0	1078.6	1079.3	1079.9	1080.5	1079.9	1079.3	1078.6
175°	1084.8	1085.2	1085.6	1086.2	1086.7	1087.3	1088.0	1088.6	1088.0	1087.3	1086.7
177.5°	1088.9	1089.2	1089.5	1090.0	1090.4	1090.9	1091.4	1091.9	1091.4	1090.9	1090.4
180°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4



TEST NUMBER: P331730-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1491.3	1488.4	1482.9	1474.5	1469.4	1460.6	1454.7	1458.1	1458.9	1458.1	1457.2
5°	1451.2	1440.2	1425.0	1410.2	1396.5	1381.9	1373.4	1369.8	1362.4	1358.2	1356.1
7.5°	1402.8	1383.8	1362.2	1336.6	1314.8	1292.0	1280.3	1274.5	1259.5	1251.3	1244.1
10°	1366.6	1336.6	1315.1	1281.4	1261.0	1231.0	1210.5	1211.0	1190.5	1178.9	1170.5
12.5°	1326.7	1293.8	1257.9	1227.6	1199.1	1175.0	1150.4	1140.3	1118.6	1107.5	1084.7
15°	1260.4	1222.1	1184.2	1143.2	1114.3	1077.0	1041.2	997.6	962.4	931.9	923.5
17.5°	1188.1	1140.6	1102.6	1054.5	1005.0	942.2	900.8	875.4	854.2	838.1	826.2
20°	1138.5	1090.1	1049.6	977.2	910.4	867.8	837.3	817.8	795.8	778.5	769.0
22.5°	1086.3	1035.9	980.7	899.8	847.7	813.6	786.4	764.1	749.1	735.5	726.9
25°	1012.3	957.1	866.3	810.5	768.4	732.7	713.8	700.1	684.4	666.0	657.5
27.5°	934.1	846.4	781.1	739.7	699.5	676.3	659.3	638.8	624.7	616.5	607.7
30°	875.7	787.9	736.9	691.7	663.3	637.5	617.6	606.0	592.4	578.2	572.4
32.5°	810.5	740.4	691.5	653.9	625.0	603.1	587.3	568.6	558.7	550.0	537.9
35°	729.5	676.4	631.8	601.3	574.0	556.1	537.7	526.6	508.8	501.5	496.7
37.5°	661.0	615.0	581.6	549.5	527.8	508.0	496.8	479.3	471.5	461.3	451.3
40°	622.3	577.1	545.1	518.8	494.6	479.9	465.7	451.5	440.0	435.2	423.1
42.5°	582.8	546.1	514.0	485.1	469.0	453.4	435.5	425.0	413.0	405.4	397.9
45°	528.2	495.7	468.3	444.7	426.8	410.5	398.9	381.6	374.8	359.5	353.2
47.5°	480.3	450.0	424.0	401.5	384.0	373.4	356.5	342.9	332.0	322.7	314.5
50°	446.2	421.0	395.8	375.8	360.0	344.8	327.5	320.6	303.8	299.0	294.4
52.5°	415.1	391.2	368.0	348.5	332.7	317.9	302.6	293.7	282.3	277.7	274.2
55°	371.6	348.5	326.4	309.0	293.3	278.1	268.6	257.5	252.3	248.6	244.4
57.5°	327.9	307.0	290.2	272.6	256.7	244.6	233.7	227.0	221.6	216.7	211.8
60°	300.2	280.1	264.9	248.6	232.3	222.4	213.9	206.0	199.7	192.3	190.3
62.5°	270.7	253.3	239.2	223.4	209.2	200.0	192.0	184.6	177.1	166.3	163.3
65°	230.2	216.6	201.8	188.7	176.1	167.2	155.6	147.2	144.0	143.0	142.4
67.5°	193.6	180.7	168.1	154.6	143.1	134.9	129.0	127.7	125.5	124.8	123.4
70°	169.2	157.2	144.6	131.9	120.9	119.3	117.2	115.1	112.5	111.5	110.4
72.5°	147.3	134.9	122.2	112.2	107.4	105.4	103.3	101.2	99.4	98.4	97.8
75°	113.0	101.5	93.0	89.4	86.7	85.2	82.0	80.4	79.4	77.8	77.2
77.5°	81.4	74.9	71.0	68.7	65.9	64.2	62.4	60.8	59.7	59.4	58.5
80°	62.0	58.9	56.2	53.1	52.0	49.9	49.4	47.8	48.3	46.8	46.8
82.5°	48.2	44.1	41.9	40.5	39.5	37.7	37.2	36.4	36.6	35.4	35.4
85°	24.7	23.7	22.6	21.5	21.5	20.0	20.5	20.0	20.0	18.9	18.4
87.5°	10.1	10.4	10.5	11.4	12.3	12.8	12.7	12.2	12.1	12.0	11.6
90°	10.8	14.2	18.7	23.2	27.7	32.2	31.8	31.4	31.0	30.6	30.5
92.5°	23.6	25.0	26.1	27.2	28.2	29.2	29.3	29.4	29.5	29.6	29.6
95°	56.0	57.3	57.7	58.1	58.5	58.9	58.9	58.9	58.9	58.9	58.7
97.5°	94.6	95.9	96.6	97.4	98.2	99.0	99.0	99.0	99.0	99.0	99.0
100°	123.4	124.5	125.2	125.7	126.4	127.0	127.0	127.0	127.0	127.0	126.9
102.5°	153.0	154.1	154.9	155.6	156.4	157.2	157.3	157.5	157.6	157.8	157.8
105°	200.3	200.8	201.2	201.6	202.0	202.4	202.9	203.3	203.7	204.1	204.3
107.5°	251.8	252.3	252.3	252.3	252.3	252.3	252.5	252.6	252.8	252.9	252.5
110°	285.6	286.2	286.2	286.2	286.2	286.2	286.2	286.2	286.2	286.2	285.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	320.9	321.5	321.2	321.1	320.9	320.8	320.3	319.8	319.3	318.9	318.4
115°	373.0	373.4	373.0	372.6	372.2	371.8	371.5	371.4	371.1	370.9	370.5
117.5°	426.5	426.7	425.6	424.5	423.3	422.2	421.7	421.2	420.7	420.3	419.7
120°	461.1	461.1	459.5	457.9	456.2	454.6	454.6	454.6	454.6	454.6	454.2
122.5°	494.1	494.5	493.4	492.2	491.1	489.9	489.4	488.9	488.5	487.9	487.5
125°	542.9	543.5	542.9	542.3	541.7	541.1	540.4	539.9	539.2	538.6	538.2
127.5°	592.9	593.7	592.9	592.2	591.5	590.7	590.0	589.3	588.5	587.8	587.1
130°	624.4	625.5	625.1	624.7	624.3	623.9	623.4	623.1	622.7	622.3	621.6
132.5°	656.3	657.4	657.5	657.6	657.7	657.7	656.9	655.9	655.1	654.2	653.4
135°	701.9	703.2	703.6	704.0	704.5	704.9	704.6	704.5	704.3	704.0	703.6
137.5°	747.9	749.1	749.6	750.2	750.7	751.2	751.1	750.9	750.8	750.6	750.1
140°	776.7	778.1	779.1	780.1	781.2	782.1	782.1	782.1	782.1	782.1	781.7
142.5°	806.0	807.3	808.0	808.7	809.5	810.2	810.3	810.5	810.6	810.8	810.5
145°	846.8	848.1	849.3	850.6	851.8	853.0	853.2	853.4	853.7	853.8	853.5
147.5°	885.7	886.9	887.7	888.6	889.4	890.2	890.7	891.1	891.5	892.0	891.8
150°	909.4	910.5	911.3	912.1	912.9	913.8	914.3	915.0	915.6	916.2	916.2
152.5°	932.2	933.3	934.4	935.3	936.4	937.3	938.1	938.9	939.6	940.4	940.4
155°	964.1	964.6	965.3	965.9	966.5	967.1	968.1	969.2	970.2	971.2	971.4
157.5°	992.5	992.8	993.2	993.6	994.0	994.3	995.8	997.1	998.5	999.9	1000.1
160°	1010.2	1010.4	1010.7	1010.9	1011.1	1011.3	1012.5	1013.8	1014.9	1016.2	1016.4
162.5°	1025.1	1025.2	1025.4	1025.6	1025.8	1026.0	1027.4	1028.8	1030.2	1031.6	1031.7
165°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1046.8	1048.2	1049.6	1051.1	1051.2
167.5°	1061.8	1061.5	1061.4	1061.4	1061.4	1061.4	1062.8	1064.2	1065.6	1067.1	1067.2
170°	1071.4	1071.0	1070.8	1070.6	1070.4	1070.2	1071.6	1073.0	1074.4	1075.9	1076.0
172.5°	1078.0	1077.6	1077.4	1077.2	1077.0	1076.8	1078.2	1079.7	1081.1	1082.5	1082.6
175°	1086.2	1085.6	1085.2	1084.8	1084.4	1083.9	1085.4	1086.9	1088.3	1089.7	1089.8
177.5°	1090.0	1089.5	1089.2	1088.9	1088.5	1088.2	1089.2	1090.2	1091.2	1092.1	1092.1
180°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4



TEST NUMBER: P331730-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1452.6	1453.4	1452.1	1453.0	1452.1	1453.4	1452.6	1457.2	1458.1	1458.9	1458.1
5°	1353.4	1347.2	1346.1	1344.6	1346.1	1347.2	1353.4	1356.1	1358.2	1362.4	1369.8
7.5°	1235.1	1234.1	1231.5	1227.9	1231.5	1234.1	1235.1	1244.1	1251.3	1259.5	1274.5
10°	1159.0	1156.3	1155.9	1152.1	1155.9	1156.3	1159.0	1170.5	1178.9	1190.5	1211.0
12.5°	1069.8	1052.9	1051.1	1042.0	1051.1	1052.9	1069.8	1084.7	1107.5	1118.6	1140.3
15°	910.9	907.8	897.2	890.4	897.2	907.8	910.9	923.5	931.9	962.4	997.6
17.5°	820.1	809.8	806.5	805.0	806.5	809.8	820.1	826.2	838.1	854.2	875.4
20°	761.6	752.2	750.6	749.6	750.6	752.2	761.6	769.0	778.5	795.8	817.8
22.5°	721.3	711.4	707.3	704.1	707.3	711.4	721.3	726.9	735.5	749.1	764.1
25°	652.3	648.6	646.5	645.5	646.5	648.6	652.3	657.5	666.0	684.4	700.1
27.5°	598.3	590.3	588.7	586.0	588.7	590.3	598.3	607.7	616.5	624.7	638.8
30°	567.7	565.1	561.3	558.2	561.3	565.1	567.7	572.4	578.2	592.4	606.0
32.5°	531.5	529.3	526.0	524.6	526.0	529.3	531.5	537.9	550.0	558.7	568.6
35°	491.5	484.1	480.9	476.2	480.9	484.1	491.5	496.7	501.5	508.8	526.6
37.5°	449.1	445.2	440.8	442.4	440.8	445.2	449.1	451.3	461.3	471.5	479.3
40°	416.3	413.7	412.6	412.1	412.6	413.7	416.3	423.1	435.2	440.0	451.5
42.5°	390.2	382.9	380.2	380.1	380.2	382.9	390.2	397.9	405.4	413.0	425.0
45°	350.6	343.7	339.1	339.5	339.1	343.7	350.6	353.2	359.5	374.8	381.6
47.5°	310.0	309.8	306.9	307.8	306.9	309.8	310.0	314.5	322.7	332.0	342.9
50°	290.7	287.5	285.4	285.9	285.4	287.5	290.7	294.4	299.0	303.8	320.6
52.5°	272.2	269.4	267.8	270.0	267.8	269.4	272.2	274.2	277.7	282.3	293.7
55°	241.8	238.6	238.1	237.6	238.1	238.6	241.8	244.4	248.6	252.3	257.5
57.5°	207.9	205.7	202.6	201.2	202.6	205.7	207.9	211.8	216.7	221.6	227.0
60°	183.5	179.3	174.0	173.5	174.0	179.3	183.5	190.3	192.3	199.7	206.0
62.5°	161.1	160.3	159.2	159.1	159.2	160.3	161.1	163.3	166.3	177.1	184.6
65°	141.4	140.9	141.4	141.9	141.4	140.9	141.4	142.4	143.0	144.0	147.2
67.5°	123.2	122.2	121.3	121.8	121.3	122.2	123.2	123.4	124.8	125.5	127.7
70°	109.3	108.8	108.3	108.3	108.3	108.8	109.3	110.4	111.5	112.5	115.1
72.5°	95.9	95.8	95.2	94.8	95.2	95.8	95.9	97.8	98.4	99.4	101.2
75°	76.8	75.7	75.7	75.7	75.7	75.7	76.8	77.2	77.8	79.4	80.4
77.5°	58.5	57.9	57.4	57.0	57.4	57.9	58.5	58.5	59.4	59.7	60.8
80°	46.3	45.7	45.2	45.2	45.2	45.7	46.3	46.8	46.8	48.3	47.8
82.5°	35.3	34.8	34.7	34.3	34.7	34.8	35.3	35.4	35.4	36.6	36.4
85°	18.9	19.4	18.9	20.0	18.9	19.4	18.9	18.4	18.9	20.0	20.0
87.5°	11.6	11.2	11.6	11.3	11.6	11.2	11.6	11.6	12.0	12.1	12.2
90°	30.7	30.9	31.1	31.3	31.1	30.9	30.7	30.5	30.6	31.0	31.4
92.5°	29.7	29.7	29.8	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.4
95°	58.3	57.9	57.4	57.0	57.4	57.9	58.3	58.7	58.9	58.9	58.9
97.5°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
100°	126.7	126.5	126.3	126.0	126.3	126.5	126.7	126.9	127.0	127.0	127.0
102.5°	157.6	157.4	157.2	157.0	157.2	157.4	157.6	157.8	157.8	157.6	157.5
105°	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.3	204.1	203.7	203.3
107.5°	251.7	250.7	249.8	248.8	249.8	250.7	251.7	252.5	252.9	252.8	252.6
110°	285.3	284.6	284.0	283.4	284.0	284.6	285.3	285.9	286.2	286.2	286.2



TEST NUMBER: P331730-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	317.9	317.4	317.0	316.6	317.0	317.4	317.9	318.4	318.9	319.3	319.8
115°	369.9	369.3	368.7	368.0	368.7	369.3	369.9	370.5	370.9	371.1	371.4
117.5°	419.1	418.4	417.8	417.2	417.8	418.4	419.1	419.7	420.3	420.7	421.2
120°	453.7	453.0	452.4	451.8	452.4	453.0	453.7	454.2	454.6	454.6	454.6
122.5°	487.0	486.6	486.2	485.7	486.2	486.6	487.0	487.5	487.9	488.5	488.9
125°	538.0	537.8	537.6	537.4	537.6	537.8	538.0	538.2	538.6	539.2	539.9
127.5°	586.5	585.8	585.2	584.5	585.2	585.8	586.5	587.1	587.8	588.5	589.3
130°	620.8	620.0	619.2	618.4	619.2	620.0	620.8	621.6	622.3	622.7	623.1
132.5°	652.8	652.0	651.4	650.8	651.4	652.0	652.8	653.4	654.2	655.1	655.9
135°	703.0	702.4	701.8	701.2	701.8	702.4	703.0	703.6	704.0	704.3	704.5
137.5°	749.2	748.5	747.7	746.8	747.7	748.5	749.2	750.1	750.6	750.8	750.9
140°	780.9	780.1	779.3	778.5	779.3	780.1	780.9	781.7	782.1	782.1	782.1
142.5°	809.6	808.8	808.0	807.2	808.0	808.8	809.6	810.5	810.8	810.6	810.5
145°	852.7	851.9	851.0	850.2	851.0	851.9	852.7	853.5	853.8	853.7	853.4
147.5°	891.0	890.3	889.5	888.7	889.5	890.3	891.0	891.8	892.0	891.5	891.1
150°	915.6	915.0	914.3	913.8	914.3	915.0	915.6	916.2	916.2	915.6	915.0
152.5°	939.6	938.9	938.1	937.3	938.1	938.9	939.6	940.4	940.4	939.6	938.9
155°	970.8	970.2	969.6	968.9	969.6	970.2	970.8	971.4	971.2	970.2	969.2
157.5°	999.1	998.1	997.2	996.2	997.2	998.1	999.1	1000.1	999.9	998.5	997.1
160°	1015.6	1014.8	1013.9	1013.1	1013.9	1014.8	1015.6	1016.4	1016.2	1014.9	1013.8
162.5°	1030.8	1029.8	1028.8	1027.9	1028.8	1029.8	1030.8	1031.7	1031.6	1030.2	1028.8
165°	1050.3	1049.2	1048.2	1047.2	1048.2	1049.2	1050.3	1051.2	1051.1	1049.6	1048.2
167.5°	1066.2	1065.1	1064.1	1063.0	1064.1	1065.1	1066.2	1067.2	1067.1	1065.6	1064.2
170°	1074.8	1073.6	1072.3	1071.1	1072.3	1073.6	1074.8	1076.0	1075.9	1074.4	1073.0
172.5°	1081.4	1080.1	1079.0	1077.7	1079.0	1080.1	1081.4	1082.6	1082.5	1081.1	1079.7
175°	1088.6	1087.3	1086.2	1084.9	1086.2	1087.3	1088.6	1089.8	1089.7	1088.3	1086.9
177.5°	1091.2	1090.2	1089.2	1088.2	1089.2	1090.2	1091.2	1092.1	1092.1	1091.2	1090.2
180°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4



TEST NUMBER: P331730-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1454.7	1460.6	1469.4	1474.5	1482.9	1488.4	1491.3	1496.7	1499.7	1510.2	1521.1
5°	1373.4	1381.9	1396.5	1410.2	1425.0	1440.2	1451.2	1463.9	1475.4	1495.4	1516.4
7.5°	1280.3	1292.0	1314.8	1336.6	1362.2	1383.8	1402.8	1424.3	1443.6	1472.2	1502.0
10°	1210.5	1231.0	1261.0	1281.4	1315.1	1336.6	1366.6	1390.3	1417.1	1454.9	1488.6
12.5°	1150.4	1175.0	1199.1	1227.6	1257.9	1293.8	1326.7	1357.0	1388.9	1428.0	1467.5
15°	1041.2	1077.0	1114.3	1143.2	1184.2	1222.1	1260.4	1301.4	1340.3	1387.1	1438.6
17.5°	900.8	942.2	1005.0	1054.5	1102.6	1140.6	1188.1	1237.7	1283.6	1340.0	1397.3
20°	837.3	867.8	910.4	977.2	1049.6	1090.1	1138.5	1193.2	1245.7	1307.2	1368.7
22.5°	786.4	813.6	847.7	899.8	980.7	1035.9	1086.3	1141.9	1202.8	1265.6	1333.8
25°	713.8	732.7	768.4	810.5	866.3	957.1	1012.3	1068.0	1134.3	1201.6	1279.4
27.5°	659.3	676.3	699.5	739.7	781.1	846.4	934.1	994.9	1060.9	1136.6	1217.3
30°	617.6	637.5	663.3	691.7	736.9	787.9	875.7	946.1	1011.3	1089.1	1175.3
32.5°	587.3	603.1	625.0	653.9	691.5	740.4	810.5	896.0	959.6	1041.6	1131.6
35°	537.7	556.1	574.0	601.3	631.8	676.4	729.5	821.0	884.1	965.0	1055.4
37.5°	496.8	508.0	527.8	549.5	581.6	615.0	661.0	743.0	811.3	890.7	983.3
40°	465.7	479.9	494.6	518.8	545.1	577.1	622.3	683.3	761.6	839.4	929.8
42.5°	435.5	453.4	469.0	485.1	514.0	546.1	582.8	634.5	714.5	788.1	876.0
45°	398.9	410.5	426.8	444.7	468.3	495.7	528.2	573.5	650.2	713.8	796.3
47.5°	356.5	373.4	384.0	401.5	424.0	450.0	480.3	519.4	581.5	641.1	717.7
50°	327.5	344.8	360.0	375.8	395.8	421.0	446.2	484.1	534.0	596.6	668.0
52.5°	302.6	317.9	332.7	348.5	368.0	391.2	415.1	448.4	491.2	548.7	618.1
55°	268.6	278.1	293.3	309.0	326.4	348.5	371.6	399.5	436.3	484.7	540.9
57.5°	233.7	244.6	256.7	272.6	290.2	307.0	327.9	353.1	382.1	425.9	474.0
60°	213.9	222.4	232.3	248.6	264.9	280.1	300.2	321.2	348.5	386.3	427.3
62.5°	192.0	200.0	209.2	223.4	239.2	253.3	270.7	292.9	316.1	350.6	386.5
65°	155.6	167.2	176.1	188.7	201.8	216.6	230.2	248.1	268.6	296.0	328.0
67.5°	129.0	134.9	143.1	154.6	168.1	180.7	193.6	207.6	225.4	246.5	272.0
70°	117.2	119.3	120.9	131.9	144.6	157.2	169.2	182.4	197.6	215.0	237.0
72.5°	103.3	105.4	107.4	112.2	122.2	134.9	147.3	157.2	171.6	185.9	203.8
75°	82.0	85.2	86.7	89.4	93.0	101.5	113.0	122.5	130.9	141.9	156.1
77.5°	62.4	64.2	65.9	68.7	71.0	74.9	81.4	89.9	97.8	104.2	113.9
80°	49.4	49.9	52.0	53.1	56.2	58.9	62.0	68.8	76.8	79.4	86.2
82.5°	37.2	37.7	39.5	40.5	41.9	44.1	48.2	49.9	56.2	59.6	63.9
85°	20.5	20.0	21.5	21.5	22.6	23.7	24.7	27.3	28.9	33.1	34.1
87.5°	12.7	12.8	12.3	11.4	10.5	10.4	10.1	10.1	10.4	11.2	12.4
90°	31.8	32.2	27.7	23.2	18.7	14.2	10.8	8.3	5.9	3.4	1.0
92.5°	29.3	29.2	28.2	27.2	26.1	25.0	23.6	21.8	20.0	18.1	16.4
95°	58.9	58.9	58.5	58.1	57.7	57.3	56.0	53.9	52.0	49.9	47.8
97.5°	99.0	99.0	98.2	97.4	96.6	95.9	94.6	92.8	91.0	89.2	87.5
100°	127.0	127.0	126.4	125.7	125.2	124.5	123.4	121.8	120.2	118.5	116.8
102.5°	157.3	157.2	156.4	155.6	154.9	154.1	153.0	151.7	150.4	149.1	147.8
105°	202.9	202.4	202.0	201.6	201.2	200.8	200.3	199.7	199.1	198.4	197.8
107.5°	252.5	252.3	252.3	252.3	252.3	252.3	251.8	251.0	250.1	249.1	248.3
110°	286.2	286.2	286.2	286.2	286.2	286.2	285.6	284.3	283.1	281.9	280.7



TEST NUMBER: P331730-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	320.3	320.8	320.9	321.1	321.2	321.5	320.9	319.6	318.5	317.2	316.0
115°	371.5	371.8	372.2	372.6	373.0	373.4	373.0	371.8	370.5	369.3	368.0
117.5°	421.7	422.2	423.3	424.5	425.6	426.7	426.5	424.8	423.3	421.6	419.9
120°	454.6	454.6	456.2	457.9	459.5	461.1	461.1	459.5	457.9	456.2	454.6
122.5°	489.4	489.9	491.1	492.2	493.4	494.5	494.1	492.1	490.1	488.2	486.2
125°	540.4	541.1	541.7	542.3	542.9	543.5	542.9	541.1	539.2	537.4	535.5
127.5°	590.0	590.7	591.5	592.2	592.9	593.7	592.9	590.6	588.3	585.9	583.6
130°	623.4	623.9	624.3	624.7	625.1	625.5	624.4	621.7	619.1	616.4	613.8
132.5°	656.9	657.7	657.7	657.6	657.5	657.4	656.3	654.1	652.0	649.8	647.6
135°	704.6	704.9	704.5	704.0	703.6	703.2	701.9	699.7	697.4	695.1	692.9
137.5°	751.1	751.2	750.7	750.2	749.6	749.1	747.9	746.1	744.3	742.4	740.5
140°	782.1	782.1	781.2	780.1	779.1	778.1	776.7	774.8	772.9	771.1	769.3
142.5°	810.3	810.2	809.5	808.7	808.0	807.3	806.0	804.2	802.4	800.6	798.8
145°	853.2	853.0	851.8	850.6	849.3	848.1	846.8	845.3	843.9	842.5	841.1
147.5°	890.7	890.2	889.4	888.6	887.7	886.9	885.7	883.9	882.2	880.5	878.8
150°	914.3	913.8	912.9	912.1	911.3	910.5	909.4	908.2	907.0	905.8	904.5
152.5°	938.1	937.3	936.4	935.3	934.4	933.3	932.2	931.1	929.8	928.6	927.3
155°	968.1	967.1	966.5	965.9	965.3	964.6	964.1	963.5	962.8	962.2	961.6
157.5°	995.8	994.3	994.0	993.6	993.2	992.8	992.5	992.0	991.7	991.3	990.9
160°	1012.5	1011.3	1011.1	1010.9	1010.7	1010.4	1010.2	1009.7	1009.3	1008.9	1008.5
162.5°	1027.4	1026.0	1025.8	1025.6	1025.4	1025.2	1025.1	1024.9	1024.8	1024.8	1024.7
165°	1046.8	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.6	1045.8	1046.1	1046.2
167.5°	1062.8	1061.4	1061.4	1061.4	1061.4	1061.5	1061.8	1062.5	1063.0	1063.7	1064.3
170°	1071.6	1070.2	1070.4	1070.6	1070.8	1071.0	1071.4	1072.0	1072.6	1073.2	1073.9
172.5°	1078.2	1076.8	1077.0	1077.2	1077.4	1077.6	1078.0	1078.6	1079.3	1079.9	1080.5
175°	1085.4	1083.9	1084.4	1084.8	1085.2	1085.6	1086.2	1086.7	1087.3	1088.0	1088.6
177.5°	1089.2	1088.2	1088.5	1088.9	1089.2	1089.5	1090.0	1090.4	1090.9	1091.4	1091.9
180°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1521.5	1522.8	1531.2	1535.0	1542.6	1545.5	1548.9	1548.1	1548.1	1549.7	1561.5
5°	1524.8	1535.3	1551.1	1566.4	1581.0	1593.7	1602.1	1610.5	1613.7	1628.9	1642.6
7.5°	1519.3	1538.7	1564.8	1588.0	1615.9	1637.6	1655.7	1672.0	1683.1	1705.3	1728.1
10°	1512.2	1539.5	1569.0	1598.9	1637.3	1666.2	1695.7	1718.2	1725.6	1758.7	1777.7
12.5°	1497.9	1534.5	1571.9	1610.7	1648.2	1688.1	1720.5	1743.0	1768.9	1798.6	1833.6
15°	1476.5	1518.5	1567.4	1617.3	1671.0	1719.3	1754.0	1793.4	1821.8	1854.4	1884.8
17.5°	1445.7	1499.8	1561.9	1619.8	1681.8	1733.7	1781.5	1819.2	1839.2	1857.8	1862.3
20°	1421.3	1479.6	1552.7	1621.0	1683.1	1743.0	1790.3	1821.8	1827.1	1827.6	1799.8
22.5°	1394.8	1460.7	1537.2	1607.1	1681.3	1748.0	1784.8	1798.3	1777.4	1741.8	1687.9
25°	1346.1	1422.4	1511.2	1591.0	1672.0	1735.0	1747.7	1724.0	1651.0	1574.2	1477.0
27.5°	1293.3	1379.0	1474.3	1563.1	1649.3	1688.4	1661.2	1575.9	1444.3	1329.9	1191.3
30°	1254.7	1350.8	1444.4	1543.7	1623.7	1640.5	1577.9	1452.3	1298.8	1126.4	988.2
32.5°	1210.5	1311.3	1414.1	1516.9	1583.7	1567.3	1464.0	1309.3	1129.3	959.9	829.3
35°	1147.4	1251.5	1362.4	1465.5	1508.0	1437.0	1282.5	1081.2	897.2	739.0	649.1
37.5°	1074.6	1187.9	1303.2	1397.8	1394.8	1276.5	1066.0	858.3	703.6	610.1	546.1
40°	1022.9	1137.4	1262.0	1341.9	1307.7	1153.7	925.6	729.5	616.6	541.9	495.1
42.5°	973.3	1088.2	1212.0	1275.5	1216.1	1026.7	799.5	645.9	552.6	494.4	456.5
45°	888.8	1010.3	1124.8	1160.1	1053.8	845.2	646.5	535.1	473.1	429.9	403.7
47.5°	806.3	925.7	1030.3	1030.9	887.3	685.4	545.4	463.1	410.1	376.8	357.7
50°	755.8	869.3	957.1	943.5	780.5	609.7	487.7	416.8	372.6	346.9	326.9
52.5°	699.1	809.2	885.3	846.4	690.1	536.5	436.0	376.4	339.8	317.5	299.6
55°	616.6	714.3	767.9	709.1	562.9	446.2	368.4	321.7	294.4	275.4	260.2
57.5°	535.5	616.2	649.9	581.3	463.7	370.0	311.7	276.6	249.5	235.9	228.0
60°	484.7	553.5	577.1	501.5	403.1	323.8	275.9	243.4	223.4	214.4	206.6
62.5°	434.6	490.8	500.6	431.2	351.4	283.4	242.3	214.8	201.5	193.0	185.5
65°	360.6	401.1	396.3	340.6	278.1	225.0	195.0	178.2	168.2	156.1	143.0
67.5°	296.8	321.5	306.7	264.9	212.2	174.8	155.3	142.5	130.2	118.7	115.7
70°	256.5	270.7	254.9	216.6	174.0	146.6	130.9	115.7	108.3	105.7	100.9
72.5°	217.9	222.8	205.7	172.9	141.6	121.4	106.1	97.5	93.6	91.3	88.3
75°	163.5	159.8	145.0	119.3	98.3	84.6	79.9	76.8	74.1	72.0	70.4
77.5°	114.8	109.4	96.3	79.5	68.4	61.9	59.1	57.4	56.2	55.1	53.5
80°	86.2	82.5	69.4	56.8	52.0	48.9	47.3	45.2	45.2	44.1	42.5
82.5°	63.1	58.9	47.5	41.6	39.0	37.1	36.0	34.7	34.3	34.5	33.4
85°	33.1	26.8	23.7	22.6	21.0	20.0	20.5	19.4	19.4	19.4	18.9
87.5°	10.8	9.2	9.2	9.3	10.4	11.3	11.8	12.7	14.0	13.5	13.9
90°	3.4	5.9	8.3	10.8	14.2	18.7	23.2	27.7	32.2	31.8	31.4
92.5°	18.1	20.0	21.8	23.6	25.0	26.1	27.2	28.2	29.2	29.3	29.4
95°	49.9	52.0	53.9	56.0	57.3	57.7	58.1	58.5	58.9	58.9	58.9
97.5°	89.2	91.0	92.8	94.6	95.9	96.6	97.4	98.2	99.0	99.0	99.0
100°	118.5	120.2	121.8	123.4	124.5	125.2	125.7	126.4	127.0	127.0	127.0
102.5°	149.1	150.4	151.7	153.0	154.1	154.9	155.6	156.4	157.2	157.3	157.5
105°	198.4	199.1	199.7	200.3	200.8	201.2	201.6	202.0	202.4	202.9	203.3
107.5°	249.1	250.1	251.0	251.8	252.3	252.3	252.3	252.3	252.3	252.5	252.6
110°	281.9	283.1	284.3	285.6	286.2	286.2	286.2	286.2	286.2	286.2	286.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	317.2	318.5	319.6	320.9	321.5	321.2	321.1	320.9	320.8	320.3	319.8
115°	369.3	370.5	371.8	373.0	373.4	373.0	372.6	372.2	371.8	371.5	371.4
117.5°	421.6	423.3	424.8	426.5	426.7	425.6	424.5	423.3	422.2	421.7	421.2
120°	456.2	457.9	459.5	461.1	461.1	459.5	457.9	456.2	454.6	454.6	454.6
122.5°	488.2	490.1	492.1	494.1	494.5	493.4	492.2	491.1	489.9	489.4	488.9
125°	537.4	539.2	541.1	542.9	543.5	542.9	542.3	541.7	541.1	540.4	539.9
127.5°	585.9	588.3	590.6	592.9	593.7	592.9	592.2	591.5	590.7	590.0	589.3
130°	616.4	619.1	621.7	624.4	625.5	625.1	624.7	624.3	623.9	623.4	623.1
132.5°	649.8	652.0	654.1	656.3	657.4	657.5	657.6	657.7	657.7	656.9	655.9
135°	695.1	697.4	699.7	701.9	703.2	703.6	704.0	704.5	704.9	704.6	704.5
137.5°	742.4	744.3	746.1	747.9	749.1	749.6	750.2	750.7	751.2	751.1	750.9
140°	771.1	772.9	774.8	776.7	778.1	779.1	780.1	781.2	782.1	782.1	782.1
142.5°	800.6	802.4	804.2	806.0	807.3	808.0	808.7	809.5	810.2	810.3	810.5
145°	842.5	843.9	845.3	846.8	848.1	849.3	850.6	851.8	853.0	853.2	853.4
147.5°	880.5	882.2	883.9	885.7	886.9	887.7	888.6	889.4	890.2	890.7	891.1
150°	905.8	907.0	908.2	909.4	910.5	911.3	912.1	912.9	913.8	914.3	915.0
152.5°	928.6	929.8	931.1	932.2	933.3	934.4	935.3	936.4	937.3	938.1	938.9
155°	962.2	962.8	963.5	964.1	964.6	965.3	965.9	966.5	967.1	968.1	969.2
157.5°	991.3	991.7	992.0	992.5	992.8	993.2	993.6	994.0	994.3	995.8	997.1
160°	1008.9	1009.3	1009.7	1010.2	1010.4	1010.7	1010.9	1011.1	1011.3	1012.5	1013.8
162.5°	1024.8	1024.8	1024.9	1025.1	1025.2	1025.4	1025.6	1025.8	1026.0	1027.4	1028.8
165°	1046.1	1045.8	1045.6	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1046.8	1048.2
167.5°	1063.7	1063.0	1062.5	1061.8	1061.5	1061.4	1061.4	1061.4	1061.4	1062.8	1064.2
170°	1073.2	1072.6	1072.0	1071.4	1071.0	1070.8	1070.6	1070.4	1070.2	1071.6	1073.0
172.5°	1079.9	1079.3	1078.6	1078.0	1077.6	1077.4	1077.2	1077.0	1076.8	1078.2	1079.7
175°	1088.0	1087.3	1086.7	1086.2	1085.6	1085.2	1084.8	1084.4	1083.9	1085.4	1086.9
177.5°	1091.4	1090.9	1090.4	1090.0	1089.5	1089.2	1088.9	1088.5	1088.2	1089.2	1090.2
180°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1565.7	1571.2	1573.7	1573.7	1576.7	1575.4	1574.1
5°	1655.7	1665.7	1667.8	1677.3	1684.1	1682.0	1683.1
7.5°	1745.2	1761.3	1777.1	1784.4	1785.5	1789.7	1791.3
10°	1800.2	1813.4	1838.1	1834.4	1852.8	1863.3	1845.9
12.5°	1853.2	1871.0	1888.2	1892.8	1903.3	1906.6	1899.8
15°	1901.2	1910.7	1911.7	1909.1	1912.2	1909.6	1899.6
17.5°	1856.4	1841.0	1809.9	1795.2	1783.5	1766.3	1759.4
20°	1782.4	1737.2	1684.6	1663.6	1638.9	1590.5	1602.1
22.5°	1622.6	1571.1	1518.5	1457.1	1427.8	1382.0	1379.2
25°	1374.0	1285.2	1187.4	1119.0	1079.1	1033.4	1013.4
27.5°	1068.3	956.4	876.3	835.8	798.8	762.6	761.1
30°	867.3	783.2	721.1	686.4	663.8	648.6	651.8
32.5°	731.0	673.4	631.6	602.8	586.1	574.6	574.4
35°	597.6	558.2	531.4	519.3	507.2	498.8	499.3
37.5°	511.4	487.7	472.9	459.5	451.9	447.8	445.5
40°	467.3	447.8	436.3	428.4	422.1	416.3	415.3
42.5°	432.4	416.3	404.7	398.5	392.6	388.6	387.5
45°	383.7	370.6	360.0	353.2	350.6	346.9	346.9
47.5°	341.4	328.4	320.2	315.9	311.4	309.0	308.9
50°	312.8	302.8	295.4	292.8	289.1	287.5	287.0
52.5°	287.1	279.6	274.4	272.6	271.0	269.0	269.3
55°	252.3	248.1	246.0	244.4	241.8	238.6	240.7
57.5°	223.0	219.4	213.7	208.7	206.4	204.1	205.0
60°	202.4	195.0	187.7	181.9	180.3	175.5	175.5
62.5°	176.3	166.0	156.9	153.7	152.1	149.9	149.5
65°	135.6	131.4	129.3	127.2	126.1	126.1	125.1
67.5°	112.4	110.7	108.4	107.9	106.8	106.5	106.2
70°	99.3	97.2	96.2	95.7	94.6	95.1	93.6
72.5°	86.7	85.1	84.8	83.5	82.9	82.9	81.8
75°	68.4	68.4	67.8	67.3	66.2	65.7	66.2
77.5°	52.6	52.7	51.7	51.7	51.5	51.7	51.1
80°	42.1	42.5	42.1	41.5	41.0	41.5	41.0
82.5°	33.2	32.5	32.4	32.2	32.2	31.8	31.8
85°	18.9	19.4	18.9	18.4	18.4	18.4	18.9
87.5°	13.3	13.2	13.2	13.3	13.3	13.4	13.0
90°	31.0	30.6	30.5	30.7	30.9	31.1	31.3
92.5°	29.5	29.6	29.6	29.7	29.7	29.8	29.8
95°	58.9	58.9	58.7	58.3	57.9	57.4	57.0
97.5°	99.0	99.0	99.0	98.9	98.9	98.9	98.9
100°	127.0	127.0	126.9	126.7	126.5	126.3	126.0
102.5°	157.6	157.8	157.8	157.6	157.4	157.2	157.0
105°	203.7	204.1	204.3	204.3	204.3	204.3	204.3
107.5°	252.8	252.9	252.5	251.7	250.7	249.8	248.8
110°	286.2	286.2	285.9	285.3	284.6	284.0	283.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	319.3	318.9	318.4	317.9	317.4	317.0	316.6
115°	371.1	370.9	370.5	369.9	369.3	368.7	368.0
117.5°	420.7	420.3	419.7	419.1	418.4	417.8	417.2
120°	454.6	454.6	454.2	453.7	453.0	452.4	451.8
122.5°	488.5	487.9	487.5	487.0	486.6	486.2	485.7
125°	539.2	538.6	538.2	538.0	537.8	537.6	537.4
127.5°	588.5	587.8	587.1	586.5	585.8	585.2	584.5
130°	622.7	622.3	621.6	620.8	620.0	619.2	618.4
132.5°	655.1	654.2	653.4	652.8	652.0	651.4	650.8
135°	704.3	704.0	703.6	703.0	702.4	701.8	701.2
137.5°	750.8	750.6	750.1	749.2	748.5	747.7	746.8
140°	782.1	782.1	781.7	780.9	780.1	779.3	778.5
142.5°	810.6	810.8	810.5	809.6	808.8	808.0	807.2
145°	853.7	853.8	853.5	852.7	851.9	851.0	850.2
147.5°	891.5	892.0	891.8	891.0	890.3	889.5	888.7
150°	915.6	916.2	916.2	915.6	915.0	914.3	913.8
152.5°	939.6	940.4	940.4	939.6	938.9	938.1	937.3
155°	970.2	971.2	971.4	970.8	970.2	969.6	968.9
157.5°	998.5	999.9	1000.1	999.1	998.1	997.2	996.2
160°	1014.9	1016.2	1016.4	1015.6	1014.8	1013.9	1013.1
162.5°	1030.2	1031.6	1031.7	1030.8	1029.8	1028.8	1027.9
165°	1049.6	1051.1	1051.2	1050.3	1049.2	1048.2	1047.2
167.5°	1065.6	1067.1	1067.2	1066.2	1065.1	1064.1	1063.0
170°	1074.4	1075.9	1076.0	1074.8	1073.6	1072.3	1071.1
172.5°	1081.1	1082.5	1082.6	1081.4	1080.1	1079.0	1077.7
175°	1088.3	1089.7	1089.8	1088.6	1087.3	1086.2	1084.9
177.5°	1091.2	1092.1	1092.1	1091.2	1090.2	1089.2	1088.2
180°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4

(END OF REPORT)