

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: P331759-927

Luminaire Tested: **S122RDIP-S1005D1080U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331759-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S1005D1080U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1080 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6432.9 lumens
Efficiency: N/A
Efficacy: 89.7 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

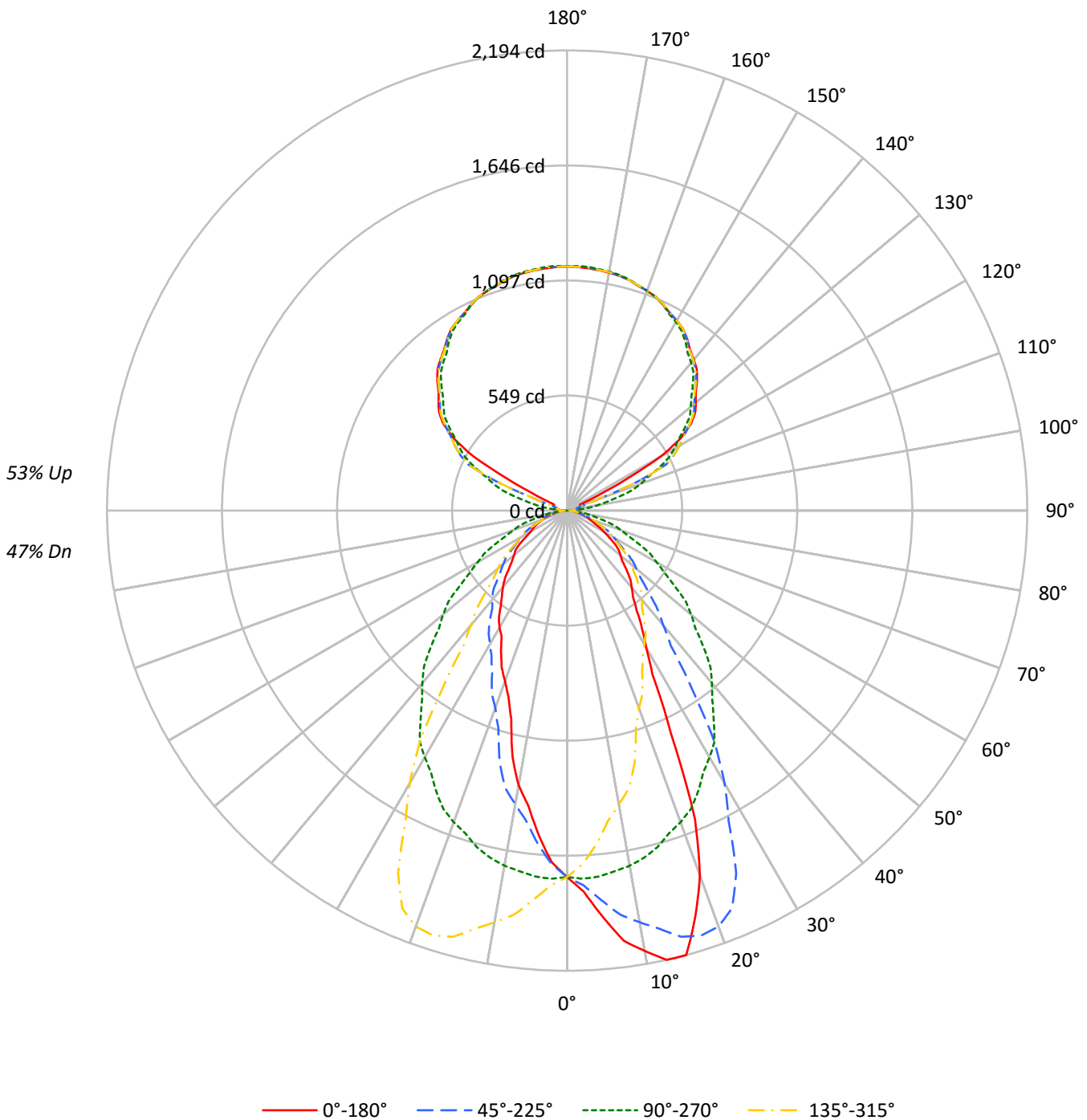
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28208	28208	28208	28208
5°	31504	28386	25167	28386
10°	34954	28186	21815	28186
15°	36672	27773	17188	27773
20°	31792	27161	14874	27161
25°	20851	26323	13279	26323
30°	14033	25307	12020	25307
35°	11367	24025	10841	24025
40°	10108	22634	10030	22634
45°	9149	21000	8953	21000
50°	8324	19381	8297	19381
55°	7828	17582	7724	17582
60°	6546	15936	6468	15936
65°	5521	14472	6262	14472
70°	5103	12925	5906	12925
75°	4772	11248	5452	11248
80°	4407	9261	4854	9261
85°	4057	7317	4279	7317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	2.6
10°-20°	461.5	7.2
20°-30°	594.7	9.2
30°-40°	565.1	8.8
40°-50°	484.1	7.5
50°-60°	368.7	5.7
60°-70°	233.1	3.6
70°-80°	116.4	1.8
80°-90°	33.2	0.5
90°-100°	38.8	0.6
100°-110°	142.4	2.2
110°-120°	380.6	5.9
120°-130°	628.2	9.8
130°-140°	668.1	10.4
140°-150°	620.9	9.7
150°-160°	499.2	7.8
160°-170°	321.7	5.0
170°-180°	110.7	1.7
0°-30°	1221.8	19.0
0°-40°	1786.9	27.8
0°-60°	2639.7	41.0
0°-90°	3022.3	47.0
90°-120°	561.7	8.7
90°-150°	2478.9	38.5
90°-180°	3411.0	53.0
0°-180°	6432.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1747	1747	1747	1747	1747	
5°	1944	1751	1553	1751	1944	192
15°	2194	1662	1028	1662	2194	592
25°	1170	1478	745	1478	1170	555
35°	577	1219	550	1219	577	369
45°	401	920	392	920	401	310
55°	278	625	274	625	278	244
65°	144	379	164	379	144	147
75°	76	180	87	180	76	81
85°	22	40	23	40	22	24
90°	23	1	23	1	23	11
95°	36	55	36	55	36	34
105°	64	256	64	256	64	67
115°	69	484	69	484	69	173
125°	720	685	720	685	720	623
135°	875	847	875	847	875	674
145°	998	983	998	983	998	624
155°	1083	1082	1083	1082	1083	500
165°	1138	1140	1138	1140	1138	321
175°	1160	1166	1160	1166	1160	110
180°	1164	1164	1164	1164	1164	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1818.0	1819.5	1820.9	1817.5	1817.5	1814.6	1808.3	1803.4	1789.9	1787.9	1787.9
5°	1943.8	1942.6	1945.0	1937.1	1926.2	1923.7	1912.2	1897.0	1881.3	1863.7	1860.0
7.5°	2068.9	2067.0	2062.1	2060.9	2052.5	2034.1	2015.5	1995.7	1969.5	1943.9	1931.0
10°	2132.0	2152.0	2139.8	2118.6	2122.9	2094.4	2079.2	2053.1	2031.2	1993.0	1984.5
12.5°	2194.1	2202.0	2198.1	2186.1	2180.6	2160.8	2140.3	2117.7	2077.3	2043.0	2013.1
15°	2193.9	2205.4	2208.4	2204.8	2207.9	2206.6	2195.7	2176.9	2141.7	2104.0	2071.2
17.5°	2031.9	2039.9	2059.8	2073.3	2090.3	2126.3	2144.0	2150.9	2145.7	2124.2	2101.1
20°	1850.3	1836.9	1892.8	1921.4	1945.6	2006.3	2058.5	2078.5	2110.7	2110.1	2104.0
22.5°	1592.9	1596.1	1649.0	1682.9	1753.8	1814.5	1874.0	1949.4	2011.7	2052.8	2076.9
25°	1170.4	1193.5	1246.3	1292.4	1371.3	1484.2	1586.8	1705.8	1818.1	1906.8	1991.2
27.5°	879.0	880.7	922.6	965.2	1012.1	1104.6	1233.7	1375.9	1536.0	1668.1	1820.0
30°	752.7	749.1	766.7	792.8	832.9	904.5	1001.6	1141.3	1300.9	1500.0	1677.3
32.5°	663.4	663.6	676.8	696.2	729.4	777.8	844.3	957.7	1108.6	1304.3	1512.2
35°	576.7	576.1	585.8	599.8	613.7	644.7	690.2	749.7	853.5	1036.3	1248.7
37.5°	514.5	517.2	522.0	530.7	546.1	563.3	590.7	630.6	704.6	812.6	991.2
40°	479.6	480.8	487.4	494.7	503.8	517.2	539.6	571.9	625.9	712.1	842.6
42.5°	447.5	448.8	453.4	460.3	467.5	480.8	499.4	527.2	571.0	638.3	745.9
45°	400.7	400.7	404.9	408.0	415.8	427.9	443.1	466.2	496.5	546.4	618.0
47.5°	356.7	356.8	359.7	364.9	369.8	379.3	394.2	413.0	435.1	473.6	534.8
50°	331.4	332.1	333.9	338.1	341.2	349.7	361.2	377.6	400.7	430.4	481.4
52.5°	311.1	310.7	313.0	314.8	316.9	323.0	331.6	346.0	366.6	392.5	434.7
55°	278.1	275.6	279.2	282.3	284.1	286.5	291.4	300.5	318.1	339.9	371.5
57.5°	236.8	235.8	238.4	241.1	246.8	253.4	257.5	263.3	272.4	288.1	319.4
60°	202.7	202.7	208.2	210.0	216.7	225.2	233.7	238.6	247.7	258.0	281.1
62.5°	172.6	173.2	175.7	177.5	181.3	191.7	203.6	214.3	222.9	232.7	248.0
65°	144.5	145.7	145.7	146.9	149.3	151.8	156.6	165.1	180.3	194.2	205.8
67.5°	122.6	123.0	123.3	124.5	125.2	127.9	129.8	133.6	137.0	150.3	164.6
70°	108.1	109.9	109.2	110.5	111.1	112.3	114.7	116.5	122.0	125.1	133.6
72.5°	94.4	95.8	95.7	96.4	98.0	98.2	100.1	102.0	105.5	108.1	112.6
75°	76.5	75.9	76.5	77.7	78.3	78.9	78.9	81.4	83.2	85.6	88.6
77.5°	59.0	59.7	59.5	59.7	59.7	60.8	60.7	61.8	63.6	64.8	66.3
80°	47.4	47.9	47.4	47.9	48.6	49.2	48.6	49.2	51.0	52.2	52.2
82.5°	36.7	36.8	37.2	37.3	37.4	37.5	38.3	38.5	39.8	39.6	40.1
85°	21.9	21.2	21.2	21.2	21.9	22.5	21.9	21.9	22.5	22.5	22.5
87.5°	12.3	12.8	12.7	12.6	12.5	12.4	12.2	12.5	11.8	12.1	11.3
90°	22.7	22.3	22.0	21.6	21.2	20.6	19.6	18.7	17.7	16.9	15.4
92.5°	22.7	22.5	22.3	22.1	21.9	21.5	21.0	20.5	20.0	19.6	18.8
95°	36.2	36.4	36.6	36.8	37.0	36.6	35.6	34.7	33.7	32.9	31.5
97.5°	48.3	48.1	47.9	47.7	47.5	47.0	46.2	45.5	44.7	44.0	41.0
100°	56.4	56.1	55.7	55.3	54.9	54.0	52.5	51.0	49.5	48.0	44.8
102.5°	60.4	60.0	59.4	58.9	58.4	57.1	55.2	53.2	51.3	49.4	46.0
105°	64.0	63.2	62.5	61.8	61.0	59.6	57.5	55.5	53.4	51.3	48.4
107.5°	65.8	65.1	64.3	63.6	62.9	63.5	65.6	67.7	69.8	71.9	73.2
110°	66.5	65.8	65.0	64.2	63.5	72.5	91.3	110.0	128.7	147.3	201.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	67.2	66.6	66.0	65.4	64.8	98.6	166.9	235.2	303.5	371.7	385.1
115°	69.1	82.5	96.0	109.5	122.9	173.0	259.7	346.3	432.9	519.6	514.9
117.5°	281.9	326.2	370.5	414.8	459.1	491.7	512.6	533.6	554.5	575.5	572.3
120°	513.7	538.9	564.2	589.5	614.7	626.3	624.0	621.8	619.5	617.3	613.9
122.5°	641.0	645.9	650.9	655.8	660.6	662.4	661.1	659.7	658.4	657.0	653.4
125°	720.0	719.5	718.9	718.4	717.8	716.8	715.5	714.2	712.9	711.6	708.1
127.5°	769.8	769.8	769.7	769.5	769.4	768.4	766.5	764.6	762.7	760.8	758.1
130°	800.9	801.1	801.2	801.5	801.6	800.7	798.6	796.5	794.5	792.4	790.4
132.5°	831.2	831.4	831.6	831.7	831.9	831.2	829.4	827.6	825.9	824.1	822.0
135°	875.0	875.4	875.7	876.1	876.5	875.7	873.9	872.0	870.1	868.2	866.6
137.5°	914.9	915.5	916.2	916.8	917.4	916.8	915.0	913.1	911.3	909.5	907.6
140°	939.8	940.7	941.7	942.6	943.6	943.2	941.5	939.8	938.1	936.4	934.4
142.5°	964.1	965.0	965.9	966.9	967.8	967.5	966.0	964.4	962.9	961.4	959.0
145°	997.9	998.9	999.8	1000.8	1001.6	1001.5	1000.1	998.9	997.5	996.2	993.1
147.5°	1027.7	1028.5	1029.3	1030.1	1030.9	1030.8	1029.8	1028.8	1027.9	1026.9	1023.7
150°	1045.9	1046.9	1047.8	1048.7	1049.6	1049.6	1048.5	1047.3	1046.2	1045.0	1042.1
152.5°	1061.4	1062.6	1063.9	1065.1	1066.4	1066.4	1065.3	1064.1	1063.0	1061.9	1059.1
155°	1083.0	1084.5	1086.0	1087.4	1088.9	1089.2	1088.1	1086.9	1085.8	1084.7	1082.4
157.5°	1102.6	1104.1	1105.6	1107.1	1108.5	1108.6	1107.3	1106.0	1104.8	1103.5	1101.9
160°	1114.1	1115.5	1116.7	1118.1	1119.4	1119.4	1118.3	1117.2	1116.1	1115.0	1113.9
162.5°	1123.6	1125.1	1126.8	1128.4	1130.0	1130.2	1128.9	1127.6	1126.3	1125.1	1124.1
165°	1137.7	1139.0	1140.3	1141.6	1143.0	1143.0	1141.6	1140.3	1139.0	1137.7	1137.2
167.5°	1146.6	1148.3	1150.0	1151.7	1153.3	1153.6	1152.2	1151.0	1149.6	1148.3	1147.8
170°	1152.0	1153.7	1155.4	1157.1	1158.7	1159.0	1157.6	1156.3	1155.0	1153.7	1153.3
172.5°	1156.0	1157.8	1159.4	1161.1	1162.8	1163.0	1161.7	1160.4	1159.0	1157.8	1157.4
175°	1159.6	1161.5	1163.3	1165.2	1167.1	1167.4	1166.1	1164.7	1163.5	1162.1	1161.7
177.5°	1161.8	1163.2	1164.5	1165.9	1167.2	1167.4	1166.3	1165.2	1164.2	1163.2	1163.0
180°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1788.9	1784.9	1781.6	1772.8	1768.5	1758.7	1757.3	1756.8	1744.2	1732.0	1728.6
5°	1850.3	1840.6	1826.1	1809.0	1791.4	1773.2	1761.1	1751.4	1727.0	1704.0	1690.7
7.5°	1912.2	1891.3	1866.2	1834.1	1807.2	1777.1	1754.8	1734.7	1700.3	1667.2	1645.0
10°	1958.4	1924.4	1890.9	1846.7	1812.0	1778.1	1746.5	1719.2	1680.3	1636.6	1605.7
12.5°	1987.0	1949.6	1903.6	1860.3	1815.4	1772.3	1730.0	1694.9	1649.2	1604.1	1567.3
15°	2025.8	1985.7	1929.8	1867.9	1810.2	1753.8	1705.3	1661.5	1602.0	1548.0	1503.1
17.5°	2057.5	2002.3	1942.4	1870.7	1804.0	1732.2	1669.7	1613.8	1547.6	1482.4	1429.5
20°	2067.6	2013.0	1943.8	1872.2	1793.3	1708.9	1641.5	1580.8	1509.7	1438.7	1378.0
22.5°	2061.3	2018.8	1941.9	1856.2	1775.3	1687.0	1610.9	1540.5	1461.7	1389.2	1318.7
25°	2018.5	2003.9	1931.0	1837.5	1745.3	1642.7	1554.7	1477.6	1387.7	1310.0	1233.5
27.5°	1918.5	1950.0	1904.8	1805.2	1702.6	1592.7	1493.7	1406.0	1312.7	1225.3	1149.1
30°	1822.4	1894.6	1875.2	1782.9	1668.2	1560.1	1449.1	1357.4	1257.8	1168.0	1092.7
32.5°	1690.8	1810.1	1829.1	1751.8	1633.2	1514.5	1398.0	1306.9	1202.9	1108.3	1034.9
35°	1481.2	1659.7	1741.6	1692.5	1573.5	1445.4	1325.2	1218.9	1114.5	1021.0	948.2
37.5°	1231.2	1474.3	1610.9	1614.4	1505.1	1372.0	1241.0	1135.6	1028.7	936.9	858.2
40°	1069.1	1332.5	1510.4	1549.8	1457.5	1313.7	1181.3	1073.9	969.5	879.6	789.2
42.5°	923.4	1185.8	1404.5	1473.1	1399.8	1256.9	1124.0	1011.7	910.2	825.2	732.8
45°	746.7	976.1	1217.1	1339.7	1299.1	1166.7	1026.5	919.7	824.3	750.9	662.3
47.5°	629.9	791.6	1024.8	1190.6	1189.9	1069.1	931.2	828.9	740.5	671.6	599.9
50°	563.3	704.2	901.5	1089.6	1105.4	1004.1	872.9	771.6	689.0	616.8	559.1
52.5°	503.6	619.6	797.1	977.5	1022.4	934.6	807.4	713.8	633.7	567.2	517.8
55°	425.6	515.4	650.1	818.9	886.9	825.0	712.1	624.6	559.7	503.8	461.4
57.5°	360.0	427.4	535.5	671.4	750.6	711.6	618.5	547.5	491.9	441.3	407.8
60°	318.7	373.9	465.6	579.2	666.5	639.2	559.7	493.5	446.2	402.5	370.9
62.5°	279.9	327.3	405.9	498.0	578.1	566.9	501.9	446.4	404.9	365.1	338.3
65°	225.2	259.8	321.2	393.4	457.7	463.2	416.5	378.8	341.7	310.2	286.5
67.5°	179.4	201.9	245.1	305.9	354.2	371.4	342.9	314.1	284.7	260.3	239.8
70°	151.1	169.4	200.9	250.1	294.5	312.6	296.3	273.8	248.3	228.2	210.6
72.5°	122.5	140.2	163.5	199.6	237.6	257.3	251.6	235.4	214.8	198.1	181.5
75°	92.3	97.8	113.5	137.8	167.5	184.6	188.8	180.3	163.9	151.1	141.4
77.5°	68.2	71.5	79.1	91.8	111.2	126.4	132.6	131.6	120.3	112.9	103.8
80°	54.7	56.5	60.1	65.6	80.2	95.3	99.6	99.6	91.7	88.6	79.5
82.5°	41.5	42.9	45.1	48.1	54.9	68.1	72.9	73.8	68.8	64.8	57.7
85°	23.7	23.1	24.3	26.1	27.3	31.0	38.3	39.5	38.3	33.4	31.5
87.5°	11.0	11.2	10.9	10.1	10.1	10.2	12.2	14.3	12.8	11.6	11.1
90°	13.9	12.4	10.9	9.1	7.1	5.0	2.9	0.9	2.9	5.0	7.1
92.5°	18.1	17.3	16.6	16.2	16.5	16.6	16.8	17.0	16.8	16.6	16.5
95°	30.3	28.9	27.6	30.0	36.2	42.4	48.6	54.7	48.6	42.4	36.2
97.5°	37.9	34.9	31.8	39.1	56.4	73.8	91.3	108.6	91.3	73.8	56.4
100°	41.7	38.4	35.3	46.5	72.2	97.8	123.4	149.1	123.4	97.8	72.2
102.5°	102.6	129.2	155.8	171.8	177.2	182.7	188.1	193.5	188.1	182.7	177.2
105°	153.5	204.6	255.7	278.5	272.8	267.2	261.7	256.0	261.7	267.2	272.8
107.5°	194.5	255.7	317.0	345.4	340.8	336.3	331.8	327.3	331.8	336.3	340.8
110°	255.6	309.6	363.7	388.8	384.8	381.0	377.0	373.0	377.0	381.0	384.8



TEST NUMBER: P331759-927

CATALOG NUMBER: S122RDIP-S1005D1080U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	398.5	411.8	425.2	430.1	426.6	423.1	419.7	416.2	419.7	423.1	426.6
115°	510.2	505.6	500.9	496.9	493.8	490.6	487.4	484.3	487.4	490.6	493.8
117.5°	569.1	565.9	562.6	559.3	555.7	552.2	548.6	545.0	548.6	552.2	555.7
120°	610.5	607.2	603.8	600.7	597.9	595.1	592.3	589.5	592.3	595.1	597.9
122.5°	649.7	646.0	642.4	639.1	636.1	633.1	630.2	627.2	630.2	633.1	636.1
125°	704.5	700.9	697.4	694.3	692.0	689.5	687.1	684.7	687.1	689.5	692.0
127.5°	755.4	752.8	750.1	747.5	744.8	742.1	739.4	736.7	739.4	742.1	744.8
130°	788.3	786.2	784.2	781.6	778.7	775.7	772.7	769.7	772.7	775.7	778.7
132.5°	820.0	817.9	815.9	813.6	811.0	808.5	806.0	803.4	806.0	808.5	811.0
135°	864.8	863.2	861.5	859.1	856.2	853.2	850.2	847.2	850.2	853.2	856.2
137.5°	905.7	903.8	901.8	899.8	897.8	895.6	893.6	891.4	893.6	895.6	897.8
140°	932.3	930.3	928.2	926.5	925.0	923.4	921.9	920.4	921.9	923.4	925.0
142.5°	956.6	954.3	952.0	950.1	948.7	947.4	946.0	944.7	946.0	947.4	948.7
145°	989.8	986.7	983.5	982.0	982.2	982.4	982.5	982.8	982.5	982.4	982.2
147.5°	1020.6	1017.5	1014.3	1013.1	1013.8	1014.5	1015.3	1016.0	1015.3	1014.5	1013.8
150°	1039.1	1036.1	1033.1	1032.3	1033.6	1034.9	1036.2	1037.5	1036.2	1034.9	1033.6
152.5°	1056.2	1053.4	1050.5	1049.9	1051.3	1052.7	1054.2	1055.7	1054.2	1052.7	1051.3
155°	1080.1	1077.9	1075.7	1075.4	1077.1	1078.8	1080.5	1082.1	1080.5	1078.8	1077.1
157.5°	1100.3	1098.8	1097.3	1097.2	1098.6	1100.0	1101.5	1102.9	1101.5	1100.0	1098.6
160°	1112.7	1111.6	1110.5	1110.5	1111.6	1112.7	1113.9	1115.0	1113.9	1112.7	1111.6
162.5°	1123.2	1122.1	1121.2	1121.3	1122.4	1123.5	1124.7	1125.8	1124.7	1123.5	1122.4
165°	1136.6	1136.0	1135.4	1135.8	1136.9	1138.0	1139.1	1140.3	1139.1	1138.0	1136.9
167.5°	1147.2	1146.8	1146.2	1146.5	1147.6	1148.7	1149.9	1151.0	1149.9	1148.7	1147.6
170°	1152.9	1152.6	1152.2	1152.6	1153.7	1154.8	1156.0	1157.1	1156.0	1154.8	1153.7
172.5°	1157.0	1156.7	1156.3	1156.7	1157.8	1158.9	1160.0	1161.1	1160.0	1158.9	1157.8
175°	1161.4	1161.0	1160.6	1161.1	1162.4	1163.7	1165.1	1166.3	1165.1	1163.7	1162.4
177.5°	1162.8	1162.7	1162.5	1163.0	1164.0	1165.1	1166.2	1167.2	1166.2	1165.1	1164.0
180°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8



TEST NUMBER: P331759-927

CATALOG NUMBER: S122RDIP-S1005D1080U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1722.4	1719.0	1712.6	1702.9	1697.1	1686.9	1680.1	1683.9	1685.0	1683.9	1683.0
5°	1676.1	1663.3	1645.8	1628.7	1613.0	1595.9	1586.3	1582.0	1573.5	1568.6	1566.2
7.5°	1620.1	1598.1	1573.3	1543.6	1518.5	1492.2	1478.7	1472.0	1454.6	1445.2	1436.9
10°	1578.3	1543.7	1518.9	1480.0	1456.3	1421.7	1398.0	1398.7	1375.0	1361.6	1351.9
12.5°	1532.2	1494.2	1452.8	1417.8	1385.0	1357.2	1328.6	1317.1	1292.0	1279.1	1252.8
15°	1455.7	1411.4	1367.7	1320.3	1287.0	1243.9	1202.6	1152.2	1111.5	1076.3	1066.6
17.5°	1372.2	1317.3	1273.5	1217.9	1160.7	1088.2	1040.4	1011.1	986.6	968.0	954.2
20°	1314.9	1259.0	1212.3	1128.5	1051.4	1002.3	967.0	944.6	919.1	899.0	888.1
22.5°	1254.7	1196.4	1132.7	1039.2	979.1	939.6	908.2	882.4	865.1	849.5	839.6
25°	1169.2	1105.4	1000.4	936.0	887.5	846.2	824.3	808.6	790.4	769.1	759.5
27.5°	1078.9	977.5	902.1	854.2	807.9	781.0	761.4	737.8	721.5	711.9	701.9
30°	1011.4	910.0	851.1	798.9	766.1	736.3	713.3	700.0	684.1	667.7	661.1
32.5°	936.0	855.1	798.7	755.2	721.9	696.6	678.3	656.7	645.3	635.3	621.2
35°	842.6	781.3	729.7	694.5	662.9	642.3	621.0	608.2	587.6	579.2	573.7
37.5°	763.4	710.3	671.8	634.6	609.6	586.8	573.8	553.5	544.5	532.7	521.3
40°	718.7	666.5	629.5	599.1	571.2	554.2	537.8	521.5	508.1	502.6	488.7
42.5°	673.1	630.6	593.6	560.3	541.6	523.6	502.9	490.8	477.1	468.2	459.5
45°	610.1	572.4	540.9	513.6	492.9	474.1	460.7	440.7	432.8	415.3	408.0
47.5°	554.8	519.8	489.6	463.7	443.5	431.3	411.7	396.0	383.4	372.6	363.3
50°	515.4	486.2	457.1	434.0	415.8	398.2	378.2	370.3	350.9	345.4	339.9
52.5°	479.4	451.8	425.1	402.5	384.3	367.2	349.5	339.2	326.1	320.7	316.6
55°	429.2	402.5	377.0	357.0	338.7	321.2	310.2	297.5	291.4	287.2	282.3
57.5°	378.7	354.7	335.1	314.8	296.5	282.5	269.9	262.2	256.0	250.3	244.5
60°	346.7	323.5	305.9	287.2	268.3	256.7	247.1	238.0	230.7	222.2	219.8
62.5°	312.6	292.5	276.3	258.0	241.6	231.1	221.8	213.2	204.5	192.1	188.7
65°	265.9	250.1	233.1	217.9	203.4	193.1	179.7	170.0	166.4	165.1	164.5
67.5°	223.6	208.7	194.2	178.6	165.3	155.7	149.0	147.5	145.0	144.3	142.5
70°	195.5	181.5	166.9	152.3	139.7	137.8	135.4	132.9	129.9	128.7	127.5
72.5°	170.2	155.7	141.2	129.5	124.1	121.8	119.4	116.9	114.9	113.7	112.9
75°	130.6	117.2	107.4	103.2	100.1	98.3	94.7	92.8	91.7	89.8	89.2
77.5°	94.0	86.4	82.0	79.3	76.1	74.1	72.1	70.3	69.0	68.6	67.7
80°	71.6	68.0	65.0	61.3	60.1	57.7	57.0	55.2	55.8	54.0	54.0
82.5°	55.6	51.0	48.5	46.7	45.6	43.6	43.0	42.1	42.2	40.9	40.9
85°	28.5	27.3	26.1	24.9	24.9	23.1	23.7	23.1	23.1	21.9	21.2
87.5°	11.0	10.9	10.2	10.5	10.9	10.6	10.9	10.5	10.7	10.9	10.5
90°	9.1	10.9	12.4	13.9	15.4	16.9	17.7	18.7	19.6	20.6	21.2
92.5°	16.2	16.6	17.3	18.1	18.8	19.6	20.0	20.5	21.0	21.5	21.9
95°	30.0	27.6	28.9	30.3	31.5	32.9	33.7	34.7	35.6	36.6	37.0
97.5°	39.1	31.8	34.9	37.9	41.0	44.0	44.7	45.5	46.2	47.0	47.5
100°	46.5	35.3	38.4	41.7	44.8	48.0	49.5	51.0	52.5	54.0	54.9
102.5°	171.8	155.8	129.2	102.6	76.0	49.4	51.3	53.2	55.2	57.1	58.4
105°	278.5	255.7	204.6	153.5	102.4	51.3	53.4	55.5	57.5	59.6	61.0
107.5°	345.4	317.0	255.7	194.5	133.2	71.9	69.8	67.7	65.6	63.5	62.9
110°	388.8	363.7	309.6	255.6	201.5	147.3	128.7	110.0	91.3	72.5	63.5



TEST NUMBER: P331759-927

CATALOG NUMBER: S122RDIP-S1005D1080U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	430.1	425.2	411.8	398.5	385.1	371.7	303.5	235.2	166.9	98.6	64.8
115°	496.9	500.9	505.6	510.2	514.9	519.6	432.9	346.3	259.7	173.0	122.9
117.5°	559.3	562.6	565.9	569.1	572.3	575.5	554.5	533.6	512.6	491.7	459.1
120°	600.7	603.8	607.2	610.5	613.9	617.3	619.5	621.8	624.0	626.3	614.7
122.5°	639.1	642.4	646.0	649.7	653.4	657.0	658.4	659.7	661.1	662.4	660.6
125°	694.3	697.4	700.9	704.5	708.1	711.6	712.9	714.2	715.5	716.8	717.8
127.5°	747.5	750.1	752.8	755.4	758.1	760.8	762.7	764.6	766.5	768.4	769.4
130°	781.6	784.2	786.2	788.3	790.4	792.4	794.5	796.5	798.6	800.7	801.6
132.5°	813.6	815.9	817.9	820.0	822.0	824.1	825.9	827.6	829.4	831.2	831.9
135°	859.1	861.5	863.2	864.8	866.6	868.2	870.1	872.0	873.9	875.7	876.5
137.5°	899.8	901.8	903.8	905.7	907.6	909.5	911.3	913.1	915.0	916.8	917.4
140°	926.5	928.2	930.3	932.3	934.4	936.4	938.1	939.8	941.5	943.2	943.6
142.5°	950.1	952.0	954.3	956.6	959.0	961.4	962.9	964.4	966.0	967.5	967.8
145°	982.0	983.5	986.7	989.8	993.1	996.2	997.5	998.9	1000.1	1001.5	1001.6
147.5°	1013.1	1014.3	1017.5	1020.6	1023.7	1026.9	1027.9	1028.8	1029.8	1030.8	1030.9
150°	1032.3	1033.1	1036.1	1039.1	1042.1	1045.0	1046.2	1047.3	1048.5	1049.6	1049.6
152.5°	1049.9	1050.5	1053.4	1056.2	1059.1	1061.9	1063.0	1064.1	1065.3	1066.4	1066.4
155°	1075.4	1075.7	1077.9	1080.1	1082.4	1084.7	1085.8	1086.9	1088.1	1089.2	1088.9
157.5°	1097.2	1097.3	1098.8	1100.3	1101.9	1103.5	1104.8	1106.0	1107.3	1108.6	1108.5
160°	1110.5	1110.5	1111.6	1112.7	1113.9	1115.0	1116.1	1117.2	1118.3	1119.4	1119.4
162.5°	1121.3	1121.2	1122.1	1123.2	1124.1	1125.1	1126.3	1127.6	1128.9	1130.2	1130.0
165°	1135.8	1135.4	1136.0	1136.6	1137.2	1137.7	1139.0	1140.3	1141.6	1143.0	1143.0
167.5°	1146.5	1146.2	1146.8	1147.2	1147.8	1148.3	1149.6	1151.0	1152.2	1153.6	1153.3
170°	1152.6	1152.2	1152.6	1152.9	1153.3	1153.7	1155.0	1156.3	1157.6	1159.0	1158.7
172.5°	1156.7	1156.3	1156.7	1157.0	1157.4	1157.8	1159.0	1160.4	1161.7	1163.0	1162.8
175°	1161.1	1160.6	1161.0	1161.4	1161.7	1162.1	1163.5	1164.7	1166.1	1167.4	1167.1
177.5°	1163.0	1162.5	1162.7	1162.8	1163.0	1163.2	1164.2	1165.2	1166.3	1167.4	1167.2
180°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8



TEST NUMBER: P331759-927

CATALOG NUMBER: S122RDIP-S1005D1080U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1677.7	1678.6	1677.2	1678.2	1677.2	1678.6	1677.7	1683.0	1683.9	1685.0	1683.9
5°	1563.1	1555.8	1554.7	1552.8	1554.7	1555.8	1563.1	1566.2	1568.6	1573.5	1582.0
7.5°	1426.5	1425.4	1422.4	1418.1	1422.4	1425.4	1426.5	1436.9	1445.2	1454.6	1472.0
10°	1338.6	1335.5	1334.9	1330.6	1334.9	1335.5	1338.6	1351.9	1361.6	1375.0	1398.7
12.5°	1235.6	1216.1	1214.0	1203.4	1214.0	1216.1	1235.6	1252.8	1279.1	1292.0	1317.1
15°	1052.0	1048.4	1036.3	1028.3	1036.3	1048.4	1052.0	1066.6	1076.3	1111.5	1152.2
17.5°	947.1	935.3	931.4	929.8	931.4	935.3	947.1	954.2	968.0	986.6	1011.1
20°	879.6	868.7	866.9	865.7	866.9	868.7	879.6	888.1	899.0	919.1	944.6
22.5°	833.0	821.6	816.8	813.2	816.8	821.6	833.0	839.6	849.5	865.1	882.4
25°	753.4	749.1	746.7	745.4	746.7	749.1	753.4	759.5	769.1	790.4	808.6
27.5°	691.1	681.8	679.9	676.8	679.9	681.8	691.1	701.9	711.9	721.5	737.8
30°	655.6	652.6	648.3	644.7	648.3	652.6	655.6	661.1	667.7	684.1	700.0
32.5°	613.9	611.3	607.5	605.9	607.5	611.3	613.9	621.2	635.3	645.3	656.7
35°	567.6	559.1	555.5	550.0	555.5	559.1	567.6	573.7	579.2	587.6	608.2
37.5°	518.6	514.2	509.1	510.9	509.1	514.2	518.6	521.3	532.7	544.5	553.5
40°	480.8	477.8	476.6	475.9	476.6	477.8	480.8	488.7	502.6	508.1	521.5
42.5°	450.7	442.3	439.1	439.0	439.1	442.3	450.7	459.5	468.2	477.1	490.8
45°	404.9	397.0	391.6	392.1	391.6	397.0	404.9	408.0	415.3	432.8	440.7
47.5°	358.1	357.8	354.4	355.5	354.4	357.8	358.1	363.3	372.6	383.4	396.0
50°	335.7	332.1	329.6	330.3	329.6	332.1	335.7	339.9	345.4	350.9	370.3
52.5°	314.3	311.2	309.3	311.8	309.3	311.2	314.3	316.6	320.7	326.1	339.2
55°	279.2	275.6	275.0	274.4	275.0	275.6	279.2	282.3	287.2	291.4	297.5
57.5°	240.0	237.6	233.9	232.3	233.9	237.6	240.0	244.5	250.3	256.0	262.2
60°	211.8	207.0	200.9	200.3	200.9	207.0	211.8	219.8	222.2	230.7	238.0
62.5°	186.1	185.1	183.9	183.8	183.9	185.1	186.1	188.7	192.1	204.5	213.2
65°	163.3	162.7	163.3	163.9	163.3	162.7	163.3	164.5	165.1	166.4	170.0
67.5°	142.3	141.2	140.1	140.6	140.1	141.2	142.3	142.5	144.3	145.0	147.5
70°	126.3	125.6	125.1	125.1	125.1	125.6	126.3	127.5	128.7	129.9	132.9
72.5°	110.7	110.6	110.0	109.5	110.0	110.6	110.7	112.9	113.7	114.9	116.9
75°	88.6	87.4	87.4	87.4	87.4	87.4	88.6	89.2	89.8	91.7	92.8
77.5°	67.5	66.9	66.3	65.8	66.3	66.9	67.5	67.7	68.6	69.0	70.3
80°	53.4	52.8	52.2	52.2	52.2	52.8	53.4	54.0	54.0	55.8	55.2
82.5°	40.8	40.2	40.1	39.6	40.1	40.2	40.8	40.9	40.9	42.2	42.1
85°	21.9	22.5	21.9	23.1	21.9	22.5	21.9	21.2	21.9	23.1	23.1
87.5°	10.6	10.2	10.8	10.4	10.8	10.2	10.6	10.5	10.9	10.7	10.5
90°	21.6	22.0	22.3	22.7	22.3	22.0	21.6	21.2	20.6	19.6	18.7
92.5°	22.1	22.3	22.5	22.7	22.5	22.3	22.1	21.9	21.5	21.0	20.5
95°	36.8	36.6	36.4	36.2	36.4	36.6	36.8	37.0	36.6	35.6	34.7
97.5°	47.7	47.9	48.1	48.3	48.1	47.9	47.7	47.5	47.0	46.2	45.5
100°	55.3	55.7	56.1	56.4	56.1	55.7	55.3	54.9	54.0	52.5	51.0
102.5°	58.9	59.4	60.0	60.4	60.0	59.4	58.9	58.4	57.1	55.2	53.2
105°	61.8	62.5	63.2	64.0	63.2	62.5	61.8	61.0	59.6	57.5	55.5
107.5°	63.6	64.3	65.1	65.8	65.1	64.3	63.6	62.9	63.5	65.6	67.7
110°	64.2	65.0	65.8	66.5	65.8	65.0	64.2	63.5	72.5	91.3	110.0



TEST NUMBER: P331759-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	65.4	66.0	66.6	67.2	66.6	66.0	65.4	64.8	98.6	166.9	235.2
115°	109.5	96.0	82.5	69.1	82.5	96.0	109.5	122.9	173.0	259.7	346.3
117.5°	414.8	370.5	326.2	281.9	326.2	370.5	414.8	459.1	491.7	512.6	533.6
120°	589.5	564.2	538.9	513.7	538.9	564.2	589.5	614.7	626.3	624.0	621.8
122.5°	655.8	650.9	645.9	641.0	645.9	650.9	655.8	660.6	662.4	661.1	659.7
125°	718.4	718.9	719.5	720.0	719.5	718.9	718.4	717.8	716.8	715.5	714.2
127.5°	769.5	769.7	769.8	769.8	769.8	769.7	769.5	769.4	768.4	766.5	764.6
130°	801.5	801.2	801.1	800.9	801.1	801.2	801.5	801.6	800.7	798.6	796.5
132.5°	831.7	831.6	831.4	831.2	831.4	831.6	831.7	831.9	831.2	829.4	827.6
135°	876.1	875.7	875.4	875.0	875.4	875.7	876.1	876.5	875.7	873.9	872.0
137.5°	916.8	916.2	915.5	914.9	915.5	916.2	916.8	917.4	916.8	915.0	913.1
140°	942.6	941.7	940.7	939.8	940.7	941.7	942.6	943.6	943.2	941.5	939.8
142.5°	966.9	965.9	965.0	964.1	965.0	965.9	966.9	967.8	967.5	966.0	964.4
145°	1000.8	999.8	998.9	997.9	998.9	999.8	1000.8	1001.6	1001.5	1000.1	998.9
147.5°	1030.1	1029.3	1028.5	1027.7	1028.5	1029.3	1030.1	1030.9	1030.8	1029.8	1028.8
150°	1048.7	1047.8	1046.9	1045.9	1046.9	1047.8	1048.7	1049.6	1049.6	1048.5	1047.3
152.5°	1065.1	1063.9	1062.6	1061.4	1062.6	1063.9	1065.1	1066.4	1066.4	1065.3	1064.1
155°	1087.4	1086.0	1084.5	1083.0	1084.5	1086.0	1087.4	1088.9	1089.2	1088.1	1086.9
157.5°	1107.1	1105.6	1104.1	1102.6	1104.1	1105.6	1107.1	1108.5	1108.6	1107.3	1106.0
160°	1118.1	1116.7	1115.5	1114.1	1115.5	1116.7	1118.1	1119.4	1119.4	1118.3	1117.2
162.5°	1128.4	1126.8	1125.1	1123.6	1125.1	1126.8	1128.4	1130.0	1130.2	1128.9	1127.6
165°	1141.6	1140.3	1139.0	1137.7	1139.0	1140.3	1141.6	1143.0	1143.0	1141.6	1140.3
167.5°	1151.7	1150.0	1148.3	1146.6	1148.3	1150.0	1151.7	1153.3	1153.6	1152.2	1151.0
170°	1157.1	1155.4	1153.7	1152.0	1153.7	1155.4	1157.1	1158.7	1159.0	1157.6	1156.3
172.5°	1161.1	1159.4	1157.8	1156.0	1157.8	1159.4	1161.1	1162.8	1163.0	1161.7	1160.4
175°	1165.2	1163.3	1161.5	1159.6	1161.5	1163.3	1165.2	1167.1	1167.4	1166.1	1164.7
177.5°	1165.9	1164.5	1163.2	1161.8	1163.2	1164.5	1165.9	1167.2	1167.4	1166.3	1165.2
180°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8



TEST NUMBER: P331759-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1680.1	1686.9	1697.1	1702.9	1712.6	1719.0	1722.4	1728.6	1732.0	1744.2	1756.8
5°	1586.3	1595.9	1613.0	1628.7	1645.8	1663.3	1676.1	1690.7	1704.0	1727.0	1751.4
7.5°	1478.7	1492.2	1518.5	1543.6	1573.3	1598.1	1620.1	1645.0	1667.2	1700.3	1734.7
10°	1398.0	1421.7	1456.3	1480.0	1518.9	1543.7	1578.3	1605.7	1636.6	1680.3	1719.2
12.5°	1328.6	1357.2	1385.0	1417.8	1452.8	1494.2	1532.2	1567.3	1604.1	1649.2	1694.9
15°	1202.6	1243.9	1287.0	1320.3	1367.7	1411.4	1455.7	1503.1	1548.0	1602.0	1661.5
17.5°	1040.4	1088.2	1160.7	1217.9	1273.5	1317.3	1372.2	1429.5	1482.4	1547.6	1613.8
20°	967.0	1002.3	1051.4	1128.5	1212.3	1259.0	1314.9	1378.0	1438.7	1509.7	1580.8
22.5°	908.2	939.6	979.1	1039.2	1132.7	1196.4	1254.7	1318.7	1389.2	1461.7	1540.5
25°	824.3	846.2	887.5	936.0	1000.4	1105.4	1169.2	1233.5	1310.0	1387.7	1477.6
27.5°	761.4	781.0	807.9	854.2	902.1	977.5	1078.9	1149.1	1225.3	1312.7	1406.0
30°	713.3	736.3	766.1	798.9	851.1	910.0	1011.4	1092.7	1168.0	1257.8	1357.4
32.5°	678.3	696.6	721.9	755.2	798.7	855.1	936.0	1034.9	1108.3	1202.9	1306.9
35°	621.0	642.3	662.9	694.5	729.7	781.3	842.6	948.2	1021.0	1114.5	1218.9
37.5°	573.8	586.8	609.6	634.6	671.8	710.3	763.4	858.2	936.9	1028.7	1135.6
40°	537.8	554.2	571.2	599.1	629.5	666.5	718.7	789.2	879.6	969.5	1073.9
42.5°	502.9	523.6	541.6	560.3	593.6	630.6	673.1	732.8	825.2	910.2	1011.7
45°	460.7	474.1	492.9	513.6	540.9	572.4	610.1	662.3	750.9	824.3	919.7
47.5°	411.7	431.3	443.5	463.7	489.6	519.8	554.8	599.9	671.6	740.5	828.9
50°	378.2	398.2	415.8	434.0	457.1	486.2	515.4	559.1	616.8	689.0	771.6
52.5°	349.5	367.2	384.3	402.5	425.1	451.8	479.4	517.8	567.2	633.7	713.8
55°	310.2	321.2	338.7	357.0	377.0	402.5	429.2	461.4	503.8	559.7	624.6
57.5°	269.9	282.5	296.5	314.8	335.1	354.7	378.7	407.8	441.3	491.9	547.5
60°	247.1	256.7	268.3	287.2	305.9	323.5	346.7	370.9	402.5	446.2	493.5
62.5°	221.8	231.1	241.6	258.0	276.3	292.5	312.6	338.3	365.1	404.9	446.4
65°	179.7	193.1	203.4	217.9	233.1	250.1	265.9	286.5	310.2	341.7	378.8
67.5°	149.0	155.7	165.3	178.6	194.2	208.7	223.6	239.8	260.3	284.7	314.1
70°	135.4	137.8	139.7	152.3	166.9	181.5	195.5	210.6	228.2	248.3	273.8
72.5°	119.4	121.8	124.1	129.5	141.2	155.7	170.2	181.5	198.1	214.8	235.4
75°	94.7	98.3	100.1	103.2	107.4	117.2	130.6	141.4	151.1	163.9	180.3
77.5°	72.1	74.1	76.1	79.3	82.0	86.4	94.0	103.8	112.9	120.3	131.6
80°	57.0	57.7	60.1	61.3	65.0	68.0	71.6	79.5	88.6	91.7	99.6
82.5°	43.0	43.6	45.6	46.7	48.5	51.0	55.6	57.7	64.8	68.8	73.8
85°	23.7	23.1	24.9	24.9	26.1	27.3	28.5	31.5	33.4	38.3	39.5
87.5°	10.9	10.6	10.9	10.5	10.2	10.9	11.0	11.1	11.6	12.8	14.3
90°	17.7	16.9	15.4	13.9	12.4	10.9	9.1	7.1	5.0	2.9	0.9
92.5°	20.0	19.6	18.8	18.1	17.3	16.6	16.2	16.5	16.6	16.8	17.0
95°	33.7	32.9	31.5	30.3	28.9	27.6	30.0	36.2	42.4	48.6	54.7
97.5°	44.7	44.0	41.0	37.9	34.9	31.8	39.1	56.4	73.8	91.3	108.6
100°	49.5	48.0	44.8	41.7	38.4	35.3	46.5	72.2	97.8	123.4	149.1
102.5°	51.3	49.4	76.0	102.6	129.2	155.8	171.8	177.2	182.7	188.1	193.5
105°	53.4	51.3	102.4	153.5	204.6	255.7	278.5	272.8	267.2	261.7	256.0
107.5°	69.8	71.9	133.2	194.5	255.7	317.0	345.4	340.8	336.3	331.8	327.3
110°	128.7	147.3	201.5	255.6	309.6	363.7	388.8	384.8	381.0	377.0	373.0



TEST NUMBER: P331759-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	303.5	371.7	385.1	398.5	411.8	425.2	430.1	426.6	423.1	419.7	416.2
115°	432.9	519.6	514.9	510.2	505.6	500.9	496.9	493.8	490.6	487.4	484.3
117.5°	554.5	575.5	572.3	569.1	565.9	562.6	559.3	555.7	552.2	548.6	545.0
120°	619.5	617.3	613.9	610.5	607.2	603.8	600.7	597.9	595.1	592.3	589.5
122.5°	658.4	657.0	653.4	649.7	646.0	642.4	639.1	636.1	633.1	630.2	627.2
125°	712.9	711.6	708.1	704.5	700.9	697.4	694.3	692.0	689.5	687.1	684.7
127.5°	762.7	760.8	758.1	755.4	752.8	750.1	747.5	744.8	742.1	739.4	736.7
130°	794.5	792.4	790.4	788.3	786.2	784.2	781.6	778.7	775.7	772.7	769.7
132.5°	825.9	824.1	822.0	820.0	817.9	815.9	813.6	811.0	808.5	806.0	803.4
135°	870.1	868.2	866.6	864.8	863.2	861.5	859.1	856.2	853.2	850.2	847.2
137.5°	911.3	909.5	907.6	905.7	903.8	901.8	899.8	897.8	895.6	893.6	891.4
140°	938.1	936.4	934.4	932.3	930.3	928.2	926.5	925.0	923.4	921.9	920.4
142.5°	962.9	961.4	959.0	956.6	954.3	952.0	950.1	948.7	947.4	946.0	944.7
145°	997.5	996.2	993.1	989.8	986.7	983.5	982.0	982.2	982.4	982.5	982.8
147.5°	1027.9	1026.9	1023.7	1020.6	1017.5	1014.3	1013.1	1013.8	1014.5	1015.3	1016.0
150°	1046.2	1045.0	1042.1	1039.1	1036.1	1033.1	1032.3	1033.6	1034.9	1036.2	1037.5
152.5°	1063.0	1061.9	1059.1	1056.2	1053.4	1050.5	1049.9	1051.3	1052.7	1054.2	1055.7
155°	1085.8	1084.7	1082.4	1080.1	1077.9	1075.7	1075.4	1077.1	1078.8	1080.5	1082.1
157.5°	1104.8	1103.5	1101.9	1100.3	1098.8	1097.3	1097.2	1098.6	1100.0	1101.5	1102.9
160°	1116.1	1115.0	1113.9	1112.7	1111.6	1110.5	1110.5	1111.6	1112.7	1113.9	1115.0
162.5°	1126.3	1125.1	1124.1	1123.2	1122.1	1121.2	1121.3	1122.4	1123.5	1124.7	1125.8
165°	1139.0	1137.7	1137.2	1136.6	1136.0	1135.4	1135.8	1136.9	1138.0	1139.1	1140.3
167.5°	1149.6	1148.3	1147.8	1147.2	1146.8	1146.2	1146.5	1147.6	1148.7	1149.9	1151.0
170°	1155.0	1153.7	1153.3	1152.9	1152.6	1152.2	1152.6	1153.7	1154.8	1156.0	1157.1
172.5°	1159.0	1157.8	1157.4	1157.0	1156.7	1156.3	1156.7	1157.8	1158.9	1160.0	1161.1
175°	1163.5	1162.1	1161.7	1161.4	1161.0	1160.6	1161.1	1162.4	1163.7	1165.1	1166.3
177.5°	1164.2	1163.2	1163.0	1162.8	1162.7	1162.5	1163.0	1164.0	1165.1	1166.2	1167.2
180°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1757.3	1758.7	1768.5	1772.8	1781.6	1784.9	1788.9	1787.9	1787.9	1789.9	1803.4
5°	1761.1	1773.2	1791.4	1809.0	1826.1	1840.6	1850.3	1860.0	1863.7	1881.3	1897.0
7.5°	1754.8	1777.1	1807.2	1834.1	1866.2	1891.3	1912.2	1931.0	1943.9	1969.5	1995.7
10°	1746.5	1778.1	1812.0	1846.7	1890.9	1924.4	1958.4	1984.5	1993.0	2031.2	2053.1
12.5°	1730.0	1772.3	1815.4	1860.3	1903.6	1949.6	1987.0	2013.1	2043.0	2077.3	2117.7
15°	1705.3	1753.8	1810.2	1867.9	1929.8	1985.7	2025.8	2071.2	2104.0	2141.7	2176.9
17.5°	1669.7	1732.2	1804.0	1870.7	1942.4	2002.3	2057.5	2101.1	2124.2	2145.7	2150.9
20°	1641.5	1708.9	1793.3	1872.2	1943.8	2013.0	2067.6	2104.0	2110.1	2110.7	2078.5
22.5°	1610.9	1687.0	1775.3	1856.2	1941.9	2018.8	2061.3	2076.9	2052.8	2011.7	1949.4
25°	1554.7	1642.7	1745.3	1837.5	1931.0	2003.9	2018.5	1991.2	1906.8	1818.1	1705.8
27.5°	1493.7	1592.7	1702.6	1805.2	1904.8	1950.0	1918.5	1820.0	1668.1	1536.0	1375.9
30°	1449.1	1560.1	1668.2	1782.9	1875.2	1894.6	1822.4	1677.3	1500.0	1300.9	1141.3
32.5°	1398.0	1514.5	1633.2	1751.8	1829.1	1810.1	1690.8	1512.2	1304.3	1108.6	957.7
35°	1325.2	1445.4	1573.5	1692.5	1741.6	1659.7	1481.2	1248.7	1036.3	853.5	749.7
37.5°	1241.0	1372.0	1505.1	1614.4	1610.9	1474.3	1231.2	991.2	812.6	704.6	630.6
40°	1181.3	1313.7	1457.5	1549.8	1510.4	1332.5	1069.1	842.6	712.1	625.9	571.9
42.5°	1124.0	1256.9	1399.8	1473.1	1404.5	1185.8	923.4	745.9	638.3	571.0	527.2
45°	1026.5	1166.7	1299.1	1339.7	1217.1	976.1	746.7	618.0	546.4	496.5	466.2
47.5°	931.2	1069.1	1189.9	1190.6	1024.8	791.6	629.9	534.8	473.6	435.1	413.0
50°	872.9	1004.1	1105.4	1089.6	901.5	704.2	563.3	481.4	430.4	400.7	377.6
52.5°	807.4	934.6	1022.4	977.5	797.1	619.6	503.6	434.7	392.5	366.6	346.0
55°	712.1	825.0	886.9	818.9	650.1	515.4	425.6	371.5	339.9	318.1	300.5
57.5°	618.5	711.6	750.6	671.4	535.5	427.4	360.0	319.4	288.1	272.4	263.3
60°	559.7	639.2	666.5	579.2	465.6	373.9	318.7	281.1	258.0	247.7	238.6
62.5°	501.9	566.9	578.1	498.0	405.9	327.3	279.9	248.0	232.7	222.9	214.3
65°	416.5	463.2	457.7	393.4	321.2	259.8	225.2	205.8	194.2	180.3	165.1
67.5°	342.9	371.4	354.2	305.9	245.1	201.9	179.4	164.6	150.3	137.0	133.6
70°	296.3	312.6	294.5	250.1	200.9	169.4	151.1	133.6	125.1	122.0	116.5
72.5°	251.6	257.3	237.6	199.6	163.5	140.2	122.5	112.6	108.1	105.5	102.0
75°	188.8	184.6	167.5	137.8	113.5	97.8	92.3	88.6	85.6	83.2	81.4
77.5°	132.6	126.4	111.2	91.8	79.1	71.5	68.2	66.3	64.8	63.6	61.8
80°	99.6	95.3	80.2	65.6	60.1	56.5	54.7	52.2	52.2	51.0	49.2
82.5°	72.9	68.1	54.9	48.1	45.1	42.9	41.5	40.1	39.6	39.8	38.5
85°	38.3	31.0	27.3	26.1	24.3	23.1	23.7	22.5	22.5	22.5	21.9
87.5°	12.2	10.2	10.1	10.1	10.9	11.2	11.0	11.3	12.1	11.8	12.5
90°	2.9	5.0	7.1	9.1	10.9	12.4	13.9	15.4	16.9	17.7	18.7
92.5°	16.8	16.6	16.5	16.2	16.6	17.3	18.1	18.8	19.6	20.0	20.5
95°	48.6	42.4	36.2	30.0	27.6	28.9	30.3	31.5	32.9	33.7	34.7
97.5°	91.3	73.8	56.4	39.1	31.8	34.9	37.9	41.0	44.0	44.7	45.5
100°	123.4	97.8	72.2	46.5	35.3	38.4	41.7	44.8	48.0	49.5	51.0
102.5°	188.1	182.7	177.2	171.8	155.8	129.2	102.6	76.0	49.4	51.3	53.2
105°	261.7	267.2	272.8	278.5	255.7	204.6	153.5	102.4	51.3	53.4	55.5
107.5°	331.8	336.3	340.8	345.4	317.0	255.7	194.5	133.2	71.9	69.8	67.7
110°	377.0	381.0	384.8	388.8	363.7	309.6	255.6	201.5	147.3	128.7	110.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	419.7	423.1	426.6	430.1	425.2	411.8	398.5	385.1	371.7	303.5	235.2
115°	487.4	490.6	493.8	496.9	500.9	505.6	510.2	514.9	519.6	432.9	346.3
117.5°	548.6	552.2	555.7	559.3	562.6	565.9	569.1	572.3	575.5	554.5	533.6
120°	592.3	595.1	597.9	600.7	603.8	607.2	610.5	613.9	617.3	619.5	621.8
122.5°	630.2	633.1	636.1	639.1	642.4	646.0	649.7	653.4	657.0	658.4	659.7
125°	687.1	689.5	692.0	694.3	697.4	700.9	704.5	708.1	711.6	712.9	714.2
127.5°	739.4	742.1	744.8	747.5	750.1	752.8	755.4	758.1	760.8	762.7	764.6
130°	772.7	775.7	778.7	781.6	784.2	786.2	788.3	790.4	792.4	794.5	796.5
132.5°	806.0	808.5	811.0	813.6	815.9	817.9	820.0	822.0	824.1	825.9	827.6
135°	850.2	853.2	856.2	859.1	861.5	863.2	864.8	866.6	868.2	870.1	872.0
137.5°	893.6	895.6	897.8	899.8	901.8	903.8	905.7	907.6	909.5	911.3	913.1
140°	921.9	923.4	925.0	926.5	928.2	930.3	932.3	934.4	936.4	938.1	939.8
142.5°	946.0	947.4	948.7	950.1	952.0	954.3	956.6	959.0	961.4	962.9	964.4
145°	982.5	982.4	982.2	982.0	983.5	986.7	989.8	993.1	996.2	997.5	998.9
147.5°	1015.3	1014.5	1013.8	1013.1	1014.3	1017.5	1020.6	1023.7	1026.9	1027.9	1028.8
150°	1036.2	1034.9	1033.6	1032.3	1033.1	1036.1	1039.1	1042.1	1045.0	1046.2	1047.3
152.5°	1054.2	1052.7	1051.3	1049.9	1050.5	1053.4	1056.2	1059.1	1061.9	1063.0	1064.1
155°	1080.5	1078.8	1077.1	1075.4	1075.7	1077.9	1080.1	1082.4	1084.7	1085.8	1086.9
157.5°	1101.5	1100.0	1098.6	1097.2	1097.3	1098.8	1100.3	1101.9	1103.5	1104.8	1106.0
160°	1113.9	1112.7	1111.6	1110.5	1110.5	1111.6	1112.7	1113.9	1115.0	1116.1	1117.2
162.5°	1124.7	1123.5	1122.4	1121.3	1121.2	1122.1	1123.2	1124.1	1125.1	1126.3	1127.6
165°	1139.1	1138.0	1136.9	1135.8	1135.4	1136.0	1136.6	1137.2	1137.7	1139.0	1140.3
167.5°	1149.9	1148.7	1147.6	1146.5	1146.2	1146.8	1147.2	1147.8	1148.3	1149.6	1151.0
170°	1156.0	1154.8	1153.7	1152.6	1152.2	1152.6	1152.9	1153.3	1153.7	1155.0	1156.3
172.5°	1160.0	1158.9	1157.8	1156.7	1156.3	1156.7	1157.0	1157.4	1157.8	1159.0	1160.4
175°	1165.1	1163.7	1162.4	1161.1	1160.6	1161.0	1161.4	1161.7	1162.1	1163.5	1164.7
177.5°	1166.2	1165.1	1164.0	1163.0	1162.5	1162.7	1162.8	1163.0	1163.2	1164.2	1165.2
180°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1808.3	1814.6	1817.5	1817.5	1820.9	1819.5	1818.0
5°	1912.2	1923.7	1926.2	1937.1	1945.0	1942.6	1943.8
7.5°	2015.5	2034.1	2052.5	2060.9	2062.1	2067.0	2068.9
10°	2079.2	2094.4	2122.9	2118.6	2139.8	2152.0	2132.0
12.5°	2140.3	2160.8	2180.6	2186.1	2198.1	2202.0	2194.1
15°	2195.7	2206.6	2207.9	2204.8	2208.4	2205.4	2193.9
17.5°	2144.0	2126.3	2090.3	2073.3	2059.8	2039.9	2031.9
20°	2058.5	2006.3	1945.6	1921.4	1892.8	1836.9	1850.3
22.5°	1874.0	1814.5	1753.8	1682.9	1649.0	1596.1	1592.9
25°	1586.8	1484.2	1371.3	1292.4	1246.3	1193.5	1170.4
27.5°	1233.7	1104.6	1012.1	965.2	922.6	880.7	879.0
30°	1001.6	904.5	832.9	792.8	766.7	749.1	752.7
32.5°	844.3	777.8	729.4	696.2	676.8	663.6	663.4
35°	690.2	644.7	613.7	599.8	585.8	576.1	576.7
37.5°	590.7	563.3	546.1	530.7	522.0	517.2	514.5
40°	539.6	517.2	503.8	494.7	487.4	480.8	479.6
42.5°	499.4	480.8	467.5	460.3	453.4	448.8	447.5
45°	443.1	427.9	415.8	408.0	404.9	400.7	400.7
47.5°	394.2	379.3	369.8	364.9	359.7	356.8	356.7
50°	361.2	349.7	341.2	338.1	333.9	332.1	331.4
52.5°	331.6	323.0	316.9	314.8	313.0	310.7	311.1
55°	291.4	286.5	284.1	282.3	279.2	275.6	278.1
57.5°	257.5	253.4	246.8	241.1	238.4	235.8	236.8
60°	233.7	225.2	216.7	210.0	208.2	202.7	202.7
62.5°	203.6	191.7	181.3	177.5	175.7	173.2	172.6
65°	156.6	151.8	149.3	146.9	145.7	145.7	144.5
67.5°	129.8	127.9	125.2	124.5	123.3	123.0	122.6
70°	114.7	112.3	111.1	110.5	109.2	109.9	108.1
72.5°	100.1	98.2	98.0	96.4	95.7	95.8	94.4
75°	78.9	78.9	78.3	77.7	76.5	75.9	76.5
77.5°	60.7	60.8	59.7	59.7	59.5	59.7	59.0
80°	48.6	49.2	48.6	47.9	47.4	47.9	47.4
82.5°	38.3	37.5	37.4	37.3	37.2	36.8	36.7
85°	21.9	22.5	21.9	21.2	21.2	21.2	21.9
87.5°	12.2	12.4	12.5	12.6	12.7	12.8	12.3
90°	19.6	20.6	21.2	21.6	22.0	22.3	22.7
92.5°	21.0	21.5	21.9	22.1	22.3	22.5	22.7
95°	35.6	36.6	37.0	36.8	36.6	36.4	36.2
97.5°	46.2	47.0	47.5	47.7	47.9	48.1	48.3
100°	52.5	54.0	54.9	55.3	55.7	56.1	56.4
102.5°	55.2	57.1	58.4	58.9	59.4	60.0	60.4
105°	57.5	59.6	61.0	61.8	62.5	63.2	64.0
107.5°	65.6	63.5	62.9	63.6	64.3	65.1	65.8
110°	91.3	72.5	63.5	64.2	65.0	65.8	66.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	166.9	98.6	64.8	65.4	66.0	66.6	67.2
115°	259.7	173.0	122.9	109.5	96.0	82.5	69.1
117.5°	512.6	491.7	459.1	414.8	370.5	326.2	281.9
120°	624.0	626.3	614.7	589.5	564.2	538.9	513.7
122.5°	661.1	662.4	660.6	655.8	650.9	645.9	641.0
125°	715.5	716.8	717.8	718.4	718.9	719.5	720.0
127.5°	766.5	768.4	769.4	769.5	769.7	769.8	769.8
130°	798.6	800.7	801.6	801.5	801.2	801.1	800.9
132.5°	829.4	831.2	831.9	831.7	831.6	831.4	831.2
135°	873.9	875.7	876.5	876.1	875.7	875.4	875.0
137.5°	915.0	916.8	917.4	916.8	916.2	915.5	914.9
140°	941.5	943.2	943.6	942.6	941.7	940.7	939.8
142.5°	966.0	967.5	967.8	966.9	965.9	965.0	964.1
145°	1000.1	1001.5	1001.6	1000.8	999.8	998.9	997.9
147.5°	1029.8	1030.8	1030.9	1030.1	1029.3	1028.5	1027.7
150°	1048.5	1049.6	1049.6	1048.7	1047.8	1046.9	1045.9
152.5°	1065.3	1066.4	1066.4	1065.1	1063.9	1062.6	1061.4
155°	1088.1	1089.2	1088.9	1087.4	1086.0	1084.5	1083.0
157.5°	1107.3	1108.6	1108.5	1107.1	1105.6	1104.1	1102.6
160°	1118.3	1119.4	1119.4	1118.1	1116.7	1115.5	1114.1
162.5°	1128.9	1130.2	1130.0	1128.4	1126.8	1125.1	1123.6
165°	1141.6	1143.0	1143.0	1141.6	1140.3	1139.0	1137.7
167.5°	1152.2	1153.6	1153.3	1151.7	1150.0	1148.3	1146.6
170°	1157.6	1159.0	1158.7	1157.1	1155.4	1153.7	1152.0
172.5°	1161.7	1163.0	1162.8	1161.1	1159.4	1157.8	1156.0
175°	1166.1	1167.4	1167.1	1165.2	1163.3	1161.5	1159.6
177.5°	1166.3	1167.4	1167.2	1165.9	1164.5	1163.2	1161.8
180°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8

(END OF REPORT)