

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: P331853-927

Luminaire Tested: **S122RDIW-S1005D970U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331853-927
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: S122RDIW-S1005D970U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6087.6 lumens
Efficiency: N/A
Efficacy: 90.3 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

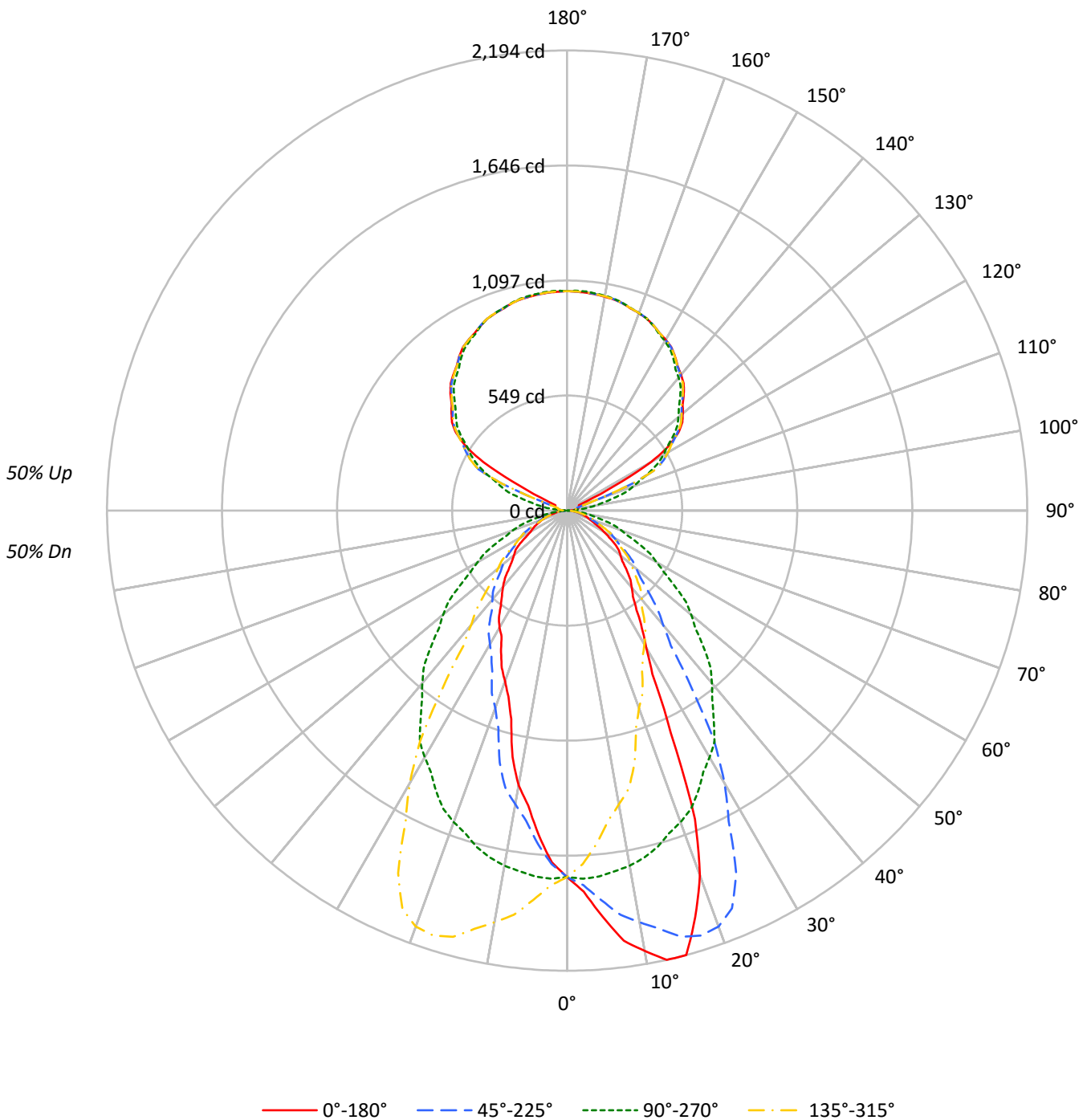
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	88	91	87	84	81	74	72	70	62	60	59	50	49	49	43
2	90	83	78	73	83	77	72	68	66	62	59	55	53	50	45	44	42	38
3	83	74	67	62	76	69	63	58	59	54	51	50	46	44	41	39	37	33
4	76	66	59	53	70	62	55	50	53	48	44	45	41	38	37	35	33	29
5	70	59	52	46	65	55	49	44	48	43	39	41	37	34	34	31	29	26
6	65	54	46	40	60	50	43	38	43	38	34	37	33	30	31	28	26	23
7	61	49	41	36	56	46	39	34	40	34	31	34	30	27	29	26	24	21
8	56	45	37	32	52	42	35	31	36	31	27	31	27	24	27	24	21	19
9	53	41	34	29	49	38	32	28	34	28	25	29	25	22	25	22	20	17
10	49	38	31	26	46	35	29	25	31	26	23	27	23	20	23	20	18	16

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	2.7
10°-20°	461.5	7.6
20°-30°	594.7	9.8
30°-40°	565.1	9.3
40°-50°	484.1	8.0
50°-60°	368.7	6.1
60°-70°	233.1	3.8
70°-80°	116.4	1.9
80°-90°	32.9	0.5
90°-100°	34.9	0.6
100°-110°	128.0	2.1
110°-120°	342.1	5.6
120°-130°	564.7	9.3
130°-140°	600.5	9.9
140°-150°	558.1	9.2
150°-160°	448.7	7.4
160°-170°	289.2	4.8
170°-180°	99.5	1.6
0°-30°	1221.8	20.1
0°-40°	1786.9	29.4
0°-60°	2639.7	43.4
0°-90°	3022.0	49.6
90°-120°	504.9	8.3
90°-150°	2228.2	36.6
90°-180°	3066.0	50.4
0°-180°	6087.6	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°	20	1	20	1	20	10
95°	33	49	33	49	33	30
105°	58	230	58	230	58	60
115°	62	435	62	435	62	155
125°	647	615	647	615	647	560
135°	786	762	786	762	786	606
145°	897	883	897	883	897	561
155°	973	973	973	973	973	449
165°	1023	1025	1023	1025	1023	289
175°	1042	1048	1042	1048	1042	99
180°	1046	1046	1046	1046	1046	



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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°	11.9	12.3	12.2	12.1	12.0	12.0	11.8	12.1	11.5	11.8	11.0
90°	20.4	20.1	19.7	19.4	19.1	18.5	17.7	16.8	16.0	15.1	13.8
92.5°	20.4	20.2	20.0	19.8	19.6	19.3	18.9	18.5	18.0	17.6	16.9
95°	32.6	32.7	32.9	33.0	33.2	32.9	32.1	31.2	30.3	29.5	28.4
97.5°	43.4	43.3	43.0	42.9	42.6	42.2	41.5	40.9	40.2	39.5	36.8
100°	50.7	50.4	50.1	49.7	49.4	48.6	47.2	45.9	44.5	43.2	40.3
102.5°	54.3	53.9	53.4	52.9	52.4	51.3	49.6	47.8	46.1	44.4	68.3
105°	57.5	56.9	56.2	55.5	54.8	53.6	51.7	49.9	48.0	46.2	92.1
107.5°	59.2	58.5	57.8	57.2	56.5	57.1	59.0	60.8	62.7	64.6	119.7
110°	59.8	59.1	58.5	57.8	57.1	65.2	82.0	98.8	115.7	132.5	181.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	60.4	59.9	59.3	58.8	58.2	88.6	150.0	211.4	272.7	334.1	346.1
115°	62.1	74.1	86.3	98.4	110.5	155.5	233.4	311.2	389.1	467.1	462.9
117.5°	253.4	293.3	333.0	372.8	412.6	442.0	460.8	479.6	498.4	517.3	514.4
120°	461.8	484.4	507.2	529.9	552.5	562.9	560.9	558.9	556.9	554.8	551.8
122.5°	576.2	580.6	585.0	589.4	593.8	595.4	594.2	593.0	591.8	590.6	587.2
125°	647.2	646.7	646.2	645.7	645.2	644.4	643.2	642.0	640.8	639.6	636.4
127.5°	692.0	691.9	691.8	691.7	691.6	690.7	689.0	687.3	685.6	683.8	681.4
130°	719.9	720.0	720.2	720.3	720.6	719.7	717.9	716.0	714.2	712.3	710.4
132.5°	747.1	747.3	747.4	747.6	747.8	747.1	745.5	743.9	742.4	740.8	738.9
135°	786.5	786.8	787.1	787.5	787.8	787.1	785.4	783.8	782.1	780.5	778.9
137.5°	822.4	822.9	823.5	824.1	824.7	824.1	822.4	820.8	819.2	817.5	815.8
140°	844.8	845.6	846.4	847.3	848.1	847.8	846.3	844.8	843.3	841.8	839.9
142.5°	866.6	867.4	868.2	869.1	869.9	869.7	868.3	866.9	865.5	864.1	862.1
145°	897.0	897.9	898.7	899.5	900.4	900.2	899.0	897.9	896.7	895.5	892.6
147.5°	923.8	924.5	925.2	925.9	926.6	926.5	925.7	924.8	923.9	923.1	920.2
150°	940.2	941.0	941.8	942.7	943.5	943.4	942.4	941.4	940.4	939.4	936.7
152.5°	954.1	955.2	956.3	957.4	958.5	958.5	957.5	956.6	955.5	954.5	952.0
155°	973.4	974.8	976.1	977.5	978.8	979.0	977.9	977.0	976.0	974.9	973.0
157.5°	991.2	992.4	993.8	995.1	996.4	996.5	995.4	994.2	993.1	991.9	990.5
160°	1001.5	1002.7	1003.8	1005.0	1006.2	1006.2	1005.2	1004.2	1003.2	1002.2	1001.2
162.5°	1010.0	1011.4	1012.8	1014.2	1015.7	1015.9	1014.7	1013.6	1012.4	1011.3	1010.4
165°	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4	1026.2	1025.0	1023.8	1022.6	1022.2
167.5°	1030.7	1032.2	1033.7	1035.2	1036.7	1036.9	1035.7	1034.5	1033.3	1032.2	1031.7
170°	1035.5	1037.0	1038.6	1040.1	1041.6	1041.7	1040.5	1039.4	1038.2	1037.0	1036.7
172.5°	1039.2	1040.7	1042.2	1043.7	1045.2	1045.4	1044.2	1043.0	1041.9	1040.7	1040.3
175°	1042.4	1044.0	1045.7	1047.3	1049.1	1049.3	1048.1	1046.9	1045.8	1044.6	1044.3
177.5°	1044.3	1045.5	1046.7	1047.9	1049.2	1049.2	1048.3	1047.4	1046.5	1045.5	1045.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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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°	10.8	10.9	10.7	9.9	10.0	10.1	12.2	14.3	12.7	11.6	11.0
90°	12.4	11.1	9.7	8.2	6.3	4.4	2.6	0.8	2.6	4.4	6.3
92.5°	16.2	15.5	14.9	14.7	14.8	15.0	15.1	15.3	15.1	15.0	14.8
95°	27.2	26.0	24.8	27.0	32.6	38.1	43.6	49.2	43.6	38.1	32.6
97.5°	34.1	31.4	28.6	35.1	50.7	66.4	82.0	97.7	82.0	66.4	50.7
100°	37.4	34.5	31.7	41.8	64.9	87.9	110.9	134.0	110.9	87.9	64.9
102.5°	92.2	116.1	140.1	154.4	159.3	164.2	169.1	174.0	169.1	164.2	159.3
105°	138.0	183.9	229.9	250.3	245.3	240.2	235.2	230.1	235.2	240.2	245.3
107.5°	174.8	229.9	284.9	310.5	306.3	302.3	298.3	294.1	298.3	302.3	306.3
110°	229.7	278.3	326.9	349.4	345.9	342.4	338.9	335.3	338.9	342.4	345.9



TEST NUMBER: P331853-927

CATALOG NUMBER: S122RDIW-S1005D970U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	358.1	370.2	382.1	386.6	383.5	380.3	377.2	374.1	377.2	380.3	383.5
115°	458.6	454.4	450.2	446.7	443.9	441.0	438.1	435.2	438.1	441.0	443.9
117.5°	511.5	508.7	505.7	502.7	499.5	496.3	493.1	489.9	493.1	496.3	499.5
120°	548.8	545.7	542.7	540.0	537.4	534.9	532.4	529.9	532.4	534.9	537.4
122.5°	584.0	580.7	577.4	574.4	571.7	569.1	566.4	563.8	566.4	569.1	571.7
125°	633.3	630.0	626.9	624.2	621.9	619.8	617.6	615.4	617.6	619.8	621.9
127.5°	679.1	676.7	674.3	671.8	669.5	667.0	664.6	662.2	664.6	667.0	669.5
130°	708.6	706.7	704.9	702.6	699.9	697.3	694.6	691.9	694.6	697.3	699.9
132.5°	737.0	735.2	733.3	731.3	729.0	726.7	724.5	722.2	724.5	726.7	729.0
135°	777.4	775.9	774.4	772.3	769.6	766.9	764.2	761.5	764.2	766.9	769.6
137.5°	814.0	812.4	810.6	808.8	807.0	805.1	803.2	801.3	803.2	805.1	807.0
140°	838.0	836.1	834.3	832.7	831.4	830.0	828.7	827.4	828.7	830.0	831.4
142.5°	859.9	857.8	855.6	854.0	852.8	851.6	850.3	849.1	850.3	851.6	852.8
145°	889.8	886.9	884.1	882.7	882.9	883.0	883.2	883.4	883.2	883.0	882.9
147.5°	917.3	914.6	911.7	910.6	911.2	911.9	912.5	913.2	912.5	911.9	911.2
150°	934.0	931.3	928.6	927.9	929.1	930.2	931.4	932.6	931.4	930.2	929.1
152.5°	949.4	946.8	944.3	943.6	945.0	946.3	947.6	949.0	947.6	946.3	945.0
155°	970.9	968.9	966.9	966.6	968.1	969.6	971.1	972.7	971.1	969.6	968.1
157.5°	989.1	987.7	986.3	986.2	987.5	988.7	990.1	991.3	990.1	988.7	987.5
160°	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2	1001.2	1000.2	999.2
162.5°	1009.6	1008.7	1007.8	1007.9	1008.8	1009.9	1010.9	1011.9	1010.9	1009.9	1008.8
165°	1021.6	1021.1	1020.6	1020.9	1021.9	1022.9	1023.9	1024.9	1023.9	1022.9	1021.9
167.5°	1031.3	1030.8	1030.3	1030.5	1031.6	1032.6	1033.6	1034.6	1033.6	1032.6	1031.6
170°	1036.3	1036.0	1035.7	1036.0	1037.0	1038.1	1039.0	1040.1	1039.0	1038.1	1037.0
172.5°	1040.0	1039.7	1039.3	1039.7	1040.7	1041.6	1042.7	1043.7	1042.7	1041.6	1040.7
175°	1043.9	1043.6	1043.2	1043.7	1044.9	1046.0	1047.2	1048.4	1047.2	1046.0	1044.9
177.5°	1045.2	1045.1	1045.0	1045.4	1046.3	1047.3	1048.2	1049.2	1048.2	1047.3	1046.3
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P331853-927

CATALOG NUMBER: S122RDIW-S1005D970U927-4F0-1E-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°	10.9	10.7	10.0	10.3	10.5	10.3	10.5	10.1	10.3	10.5	10.1
90°	8.2	9.7	11.1	12.4	13.8	15.1	16.0	16.8	17.7	18.5	19.1
92.5°	14.7	14.9	15.5	16.2	16.9	17.6	18.0	18.5	18.9	19.3	19.6
95°	27.0	24.8	26.0	27.2	28.4	29.5	30.3	31.2	32.1	32.9	33.2
97.5°	35.1	28.6	31.4	34.1	36.8	39.5	40.2	40.9	41.5	42.2	42.6
100°	41.8	31.7	34.5	37.4	40.3	43.2	44.5	45.9	47.2	48.6	49.4
102.5°	154.4	140.1	116.1	92.2	68.3	44.4	46.1	47.8	49.6	51.3	52.4
105°	250.3	229.9	183.9	138.0	92.1	46.2	48.0	49.9	51.7	53.6	54.8
107.5°	310.5	284.9	229.9	174.8	119.7	64.6	62.7	60.8	59.0	57.1	56.5
110°	349.4	326.9	278.3	229.7	181.1	132.5	115.7	98.8	82.0	65.2	57.1



TEST NUMBER: P331853-927

CATALOG NUMBER: S122RDIW-S1005D970U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	386.6	382.1	370.2	358.1	346.1	334.1	272.7	211.4	150.0	88.6	58.2
115°	446.7	450.2	454.4	458.6	462.9	467.1	389.1	311.2	233.4	155.5	110.5
117.5°	502.7	505.7	508.7	511.5	514.4	517.3	498.4	479.6	460.8	442.0	412.6
120°	540.0	542.7	545.7	548.8	551.8	554.8	556.9	558.9	560.9	562.9	552.5
122.5°	574.4	577.4	580.7	584.0	587.2	590.6	591.8	593.0	594.2	595.4	593.8
125°	624.2	626.9	630.0	633.3	636.4	639.6	640.8	642.0	643.2	644.4	645.2
127.5°	671.8	674.3	676.7	679.1	681.4	683.8	685.6	687.3	689.0	690.7	691.6
130°	702.6	704.9	706.7	708.6	710.4	712.3	714.2	716.0	717.9	719.7	720.6
132.5°	731.3	733.3	735.2	737.0	738.9	740.8	742.4	743.9	745.5	747.1	747.8
135°	772.3	774.4	775.9	777.4	778.9	780.5	782.1	783.8	785.4	787.1	787.8
137.5°	808.8	810.6	812.4	814.0	815.8	817.5	819.2	820.8	822.4	824.1	824.7
140°	832.7	834.3	836.1	838.0	839.9	841.8	843.3	844.8	846.3	847.8	848.1
142.5°	854.0	855.6	857.8	859.9	862.1	864.1	865.5	866.9	868.3	869.7	869.9
145°	882.7	884.1	886.9	889.8	892.6	895.5	896.7	897.9	899.0	900.2	900.4
147.5°	910.6	911.7	914.6	917.3	920.2	923.1	923.9	924.8	925.7	926.5	926.6
150°	927.9	928.6	931.3	934.0	936.7	939.4	940.4	941.4	942.4	943.4	943.5
152.5°	943.6	944.3	946.8	949.4	952.0	954.5	955.5	956.6	957.5	958.5	958.5
155°	966.6	966.9	968.9	970.9	973.0	974.9	976.0	977.0	977.9	979.0	978.8
157.5°	986.2	986.3	987.7	989.1	990.5	991.9	993.1	994.2	995.4	996.5	996.4
160°	998.1	998.1	999.2	1000.2	1001.2	1002.2	1003.2	1004.2	1005.2	1006.2	1006.2
162.5°	1007.9	1007.8	1008.7	1009.6	1010.4	1011.3	1012.4	1013.6	1014.7	1015.9	1015.7
165°	1020.9	1020.6	1021.1	1021.6	1022.2	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4
167.5°	1030.5	1030.3	1030.8	1031.3	1031.7	1032.2	1033.3	1034.5	1035.7	1036.9	1036.7
170°	1036.0	1035.7	1036.0	1036.3	1036.7	1037.0	1038.2	1039.4	1040.5	1041.7	1041.6
172.5°	1039.7	1039.3	1039.7	1040.0	1040.3	1040.7	1041.9	1043.0	1044.2	1045.4	1045.2
175°	1043.7	1043.2	1043.6	1043.9	1044.3	1044.6	1045.8	1046.9	1048.1	1049.3	1049.1
177.5°	1045.4	1045.0	1045.1	1045.2	1045.4	1045.5	1046.5	1047.4	1048.3	1049.2	1049.2
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P331853-927

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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°	10.2	9.7	10.3	9.9	10.3	9.7	10.2	10.1	10.5	10.3	10.1
90°	19.4	19.7	20.1	20.4	20.1	19.7	19.4	19.1	18.5	17.7	16.8
92.5°	19.8	20.0	20.2	20.4	20.2	20.0	19.8	19.6	19.3	18.9	18.5
95°	33.0	32.9	32.7	32.6	32.7	32.9	33.0	33.2	32.9	32.1	31.2
97.5°	42.9	43.0	43.3	43.4	43.3	43.0	42.9	42.6	42.2	41.5	40.9
100°	49.7	50.1	50.4	50.7	50.4	50.1	49.7	49.4	48.6	47.2	45.9
102.5°	52.9	53.4	53.9	54.3	53.9	53.4	52.9	52.4	51.3	49.6	47.8
105°	55.5	56.2	56.9	57.5	56.9	56.2	55.5	54.8	53.6	51.7	49.9
107.5°	57.2	57.8	58.5	59.2	58.5	57.8	57.2	56.5	57.1	59.0	60.8
110°	57.8	58.5	59.1	59.8	59.1	58.5	57.8	57.1	65.2	82.0	98.8



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	58.8	59.3	59.9	60.4	59.9	59.3	58.8	58.2	88.6	150.0	211.4
115°	98.4	86.3	74.1	62.1	74.1	86.3	98.4	110.5	155.5	233.4	311.2
117.5°	372.8	333.0	293.3	253.4	293.3	333.0	372.8	412.6	442.0	460.8	479.6
120°	529.9	507.2	484.4	461.8	484.4	507.2	529.9	552.5	562.9	560.9	558.9
122.5°	589.4	585.0	580.6	576.2	580.6	585.0	589.4	593.8	595.4	594.2	593.0
125°	645.7	646.2	646.7	647.2	646.7	646.2	645.7	645.2	644.4	643.2	642.0
127.5°	691.7	691.8	691.9	692.0	691.9	691.8	691.7	691.6	690.7	689.0	687.3
130°	720.3	720.2	720.0	719.9	720.0	720.2	720.3	720.6	719.7	717.9	716.0
132.5°	747.6	747.4	747.3	747.1	747.3	747.4	747.6	747.8	747.1	745.5	743.9
135°	787.5	787.1	786.8	786.5	786.8	787.1	787.5	787.8	787.1	785.4	783.8
137.5°	824.1	823.5	822.9	822.4	822.9	823.5	824.1	824.7	824.1	822.4	820.8
140°	847.3	846.4	845.6	844.8	845.6	846.4	847.3	848.1	847.8	846.3	844.8
142.5°	869.1	868.2	867.4	866.6	867.4	868.2	869.1	869.9	869.7	868.3	866.9
145°	899.5	898.7	897.9	897.0	897.9	898.7	899.5	900.4	900.2	899.0	897.9
147.5°	925.9	925.2	924.5	923.8	924.5	925.2	925.9	926.6	926.5	925.7	924.8
150°	942.7	941.8	941.0	940.2	941.0	941.8	942.7	943.5	943.4	942.4	941.4
152.5°	957.4	956.3	955.2	954.1	955.2	956.3	957.4	958.5	958.5	957.5	956.6
155°	977.5	976.1	974.8	973.4	974.8	976.1	977.5	978.8	979.0	977.9	977.0
157.5°	995.1	993.8	992.4	991.2	992.4	993.8	995.1	996.4	996.5	995.4	994.2
160°	1005.0	1003.8	1002.7	1001.5	1002.7	1003.8	1005.0	1006.2	1006.2	1005.2	1004.2
162.5°	1014.2	1012.8	1011.4	1010.0	1011.4	1012.8	1014.2	1015.7	1015.9	1014.7	1013.6
165°	1026.2	1025.0	1023.8	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4	1026.2	1025.0
167.5°	1035.2	1033.7	1032.2	1030.7	1032.2	1033.7	1035.2	1036.7	1036.9	1035.7	1034.5
170°	1040.1	1038.6	1037.0	1035.5	1037.0	1038.6	1040.1	1041.6	1041.7	1040.5	1039.4
172.5°	1043.7	1042.2	1040.7	1039.2	1040.7	1042.2	1043.7	1045.2	1045.4	1044.2	1043.0
175°	1047.3	1045.7	1044.0	1042.4	1044.0	1045.7	1047.3	1049.1	1049.3	1048.1	1046.9
177.5°	1047.9	1046.7	1045.5	1044.3	1045.5	1046.7	1047.9	1049.2	1049.2	1048.3	1047.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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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°	10.5	10.3	10.5	10.3	10.0	10.7	10.9	11.0	11.6	12.7	14.3
90°	16.0	15.1	13.8	12.4	11.1	9.7	8.2	6.3	4.4	2.6	0.8
92.5°	18.0	17.6	16.9	16.2	15.5	14.9	14.7	14.8	15.0	15.1	15.3
95°	30.3	29.5	28.4	27.2	26.0	24.8	27.0	32.6	38.1	43.6	49.2
97.5°	40.2	39.5	36.8	34.1	31.4	28.6	35.1	50.7	66.4	82.0	97.7
100°	44.5	43.2	40.3	37.4	34.5	31.7	41.8	64.9	87.9	110.9	134.0
102.5°	46.1	44.4	68.3	92.2	116.1	140.1	154.4	159.3	164.2	169.1	174.0
105°	48.0	46.2	92.1	138.0	183.9	229.9	250.3	245.3	240.2	235.2	230.1
107.5°	62.7	64.6	119.7	174.8	229.9	284.9	310.5	306.3	302.3	298.3	294.1
110°	115.7	132.5	181.1	229.7	278.3	326.9	349.4	345.9	342.4	338.9	335.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	272.7	334.1	346.1	358.1	370.2	382.1	386.6	383.5	380.3	377.2	374.1
115°	389.1	467.1	462.9	458.6	454.4	450.2	446.7	443.9	441.0	438.1	435.2
117.5°	498.4	517.3	514.4	511.5	508.7	505.7	502.7	499.5	496.3	493.1	489.9
120°	556.9	554.8	551.8	548.8	545.7	542.7	540.0	537.4	534.9	532.4	529.9
122.5°	591.8	590.6	587.2	584.0	580.7	577.4	574.4	571.7	569.1	566.4	563.8
125°	640.8	639.6	636.4	633.3	630.0	626.9	624.2	621.9	619.8	617.6	615.4
127.5°	685.6	683.8	681.4	679.1	676.7	674.3	671.8	669.5	667.0	664.6	662.2
130°	714.2	712.3	710.4	708.6	706.7	704.9	702.6	699.9	697.3	694.6	691.9
132.5°	742.4	740.8	738.9	737.0	735.2	733.3	731.3	729.0	726.7	724.5	722.2
135°	782.1	780.5	778.9	777.4	775.9	774.4	772.3	769.6	766.9	764.2	761.5
137.5°	819.2	817.5	815.8	814.0	812.4	810.6	808.8	807.0	805.1	803.2	801.3
140°	843.3	841.8	839.9	838.0	836.1	834.3	832.7	831.4	830.0	828.7	827.4
142.5°	865.5	864.1	862.1	859.9	857.8	855.6	854.0	852.8	851.6	850.3	849.1
145°	896.7	895.5	892.6	889.8	886.9	884.1	882.7	882.9	883.0	883.2	883.4
147.5°	923.9	923.1	920.2	917.3	914.6	911.7	910.6	911.2	911.9	912.5	913.2
150°	940.4	939.4	936.7	934.0	931.3	928.6	927.9	929.1	930.2	931.4	932.6
152.5°	955.5	954.5	952.0	949.4	946.8	944.3	943.6	945.0	946.3	947.6	949.0
155°	976.0	974.9	973.0	970.9	968.9	966.9	966.6	968.1	969.6	971.1	972.7
157.5°	993.1	991.9	990.5	989.1	987.7	986.3	986.2	987.5	988.7	990.1	991.3
160°	1003.2	1002.2	1001.2	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2
162.5°	1012.4	1011.3	1010.4	1009.6	1008.7	1007.8	1007.9	1008.8	1009.9	1010.9	1011.9
165°	1023.8	1022.6	1022.2	1021.6	1021.1	1020.6	1020.9	1021.9	1022.9	1023.9	1024.9
167.5°	1033.3	1032.2	1031.7	1031.3	1030.8	1030.3	1030.5	1031.6	1032.6	1033.6	1034.6
170°	1038.2	1037.0	1036.7	1036.3	1036.0	1035.7	1036.0	1037.0	1038.1	1039.0	1040.1
172.5°	1041.9	1040.7	1040.3	1040.0	1039.7	1039.3	1039.7	1040.7	1041.6	1042.7	1043.7
175°	1045.8	1044.6	1044.3	1043.9	1043.6	1043.2	1043.7	1044.9	1046.0	1047.2	1048.4
177.5°	1046.5	1045.5	1045.4	1045.2	1045.1	1045.0	1045.4	1046.3	1047.3	1048.2	1049.2
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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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	10.1	10.0	9.9	10.7	10.9	10.8	11.0	11.8	11.5	12.1
90°	2.6	4.4	6.3	8.2	9.7	11.1	12.4	13.8	15.1	16.0	16.8
92.5°	15.1	15.0	14.8	14.7	14.9	15.5	16.2	16.9	17.6	18.0	18.5
95°	43.6	38.1	32.6	27.0	24.8	26.0	27.2	28.4	29.5	30.3	31.2
97.5°	82.0	66.4	50.7	35.1	28.6	31.4	34.1	36.8	39.5	40.2	40.9
100°	110.9	87.9	64.9	41.8	31.7	34.5	37.4	40.3	43.2	44.5	45.9
102.5°	169.1	164.2	159.3	154.4	140.1	116.1	92.2	68.3	44.4	46.1	47.8
105°	235.2	240.2	245.3	250.3	229.9	183.9	138.0	92.1	46.2	48.0	49.9
107.5°	298.3	302.3	306.3	310.5	284.9	229.9	174.8	119.7	64.6	62.7	60.8
110°	338.9	342.4	345.9	349.4	326.9	278.3	229.7	181.1	132.5	115.7	98.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	377.2	380.3	383.5	386.6	382.1	370.2	358.1	346.1	334.1	272.7	211.4
115°	438.1	441.0	443.9	446.7	450.2	454.4	458.6	462.9	467.1	389.1	311.2
117.5°	493.1	496.3	499.5	502.7	505.7	508.7	511.5	514.4	517.3	498.4	479.6
120°	532.4	534.9	537.4	540.0	542.7	545.7	548.8	551.8	554.8	556.9	558.9
122.5°	566.4	569.1	571.7	574.4	577.4	580.7	584.0	587.2	590.6	591.8	593.0
125°	617.6	619.8	621.9	624.2	626.9	630.0	633.3	636.4	639.6	640.8	642.0
127.5°	664.6	667.0	669.5	671.8	674.3	676.7	679.1	681.4	683.8	685.6	687.3
130°	694.6	697.3	699.9	702.6	704.9	706.7	708.6	710.4	712.3	714.2	716.0
132.5°	724.5	726.7	729.0	731.3	733.3	735.2	737.0	738.9	740.8	742.4	743.9
135°	764.2	766.9	769.6	772.3	774.4	775.9	777.4	778.9	780.5	782.1	783.8
137.5°	803.2	805.1	807.0	808.8	810.6	812.4	814.0	815.8	817.5	819.2	820.8
140°	828.7	830.0	831.4	832.7	834.3	836.1	838.0	839.9	841.8	843.3	844.8
142.5°	850.3	851.6	852.8	854.0	855.6	857.8	859.9	862.1	864.1	865.5	866.9
145°	883.2	883.0	882.9	882.7	884.1	886.9	889.8	892.6	895.5	896.7	897.9
147.5°	912.5	911.9	911.2	910.6	911.7	914.6	917.3	920.2	923.1	923.9	924.8
150°	931.4	930.2	929.1	927.9	928.6	931.3	934.0	936.7	939.4	940.4	941.4
152.5°	947.6	946.3	945.0	943.6	944.3	946.8	949.4	952.0	954.5	955.5	956.6
155°	971.1	969.6	968.1	966.6	966.9	968.9	970.9	973.0	974.9	976.0	977.0
157.5°	990.1	988.7	987.5	986.2	986.3	987.7	989.1	990.5	991.9	993.1	994.2
160°	1001.2	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2	1003.2	1004.2
162.5°	1010.9	1009.9	1008.8	1007.9	1007.8	1008.7	1009.6	1010.4	1011.3	1012.4	1013.6
165°	1023.9	1022.9	1021.9	1020.9	1020.6	1021.1	1021.6	1022.2	1022.6	1023.8	1025.0
167.5°	1033.6	1032.6	1031.6	1030.5	1030.3	1030.8	1031.3	1031.7	1032.2	1033.3	1034.5
170°	1039.0	1038.1	1037.0	1036.0	1035.7	1036.0	1036.3	1036.7	1037.0	1038.2	1039.4
172.5°	1042.7	1041.6	1040.7	1039.7	1039.3	1039.7	1040.0	1040.3	1040.7	1041.9	1043.0
175°	1047.2	1046.0	1044.9	1043.7	1043.2	1043.6	1043.9	1044.3	1044.6	1045.8	1046.9
177.5°	1048.2	1047.3	1046.3	1045.4	1045.0	1045.1	1045.2	1045.4	1045.5	1046.5	1047.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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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°	11.8	12.0	12.0	12.1	12.2	12.3	11.9
90°	17.7	18.5	19.1	19.4	19.7	20.1	20.4
92.5°	18.9	19.3	19.6	19.8	20.0	20.2	20.4
95°	32.1	32.9	33.2	33.0	32.9	32.7	32.6
97.5°	41.5	42.2	42.6	42.9	43.0	43.3	43.4
100°	47.2	48.6	49.4	49.7	50.1	50.4	50.7
102.5°	49.6	51.3	52.4	52.9	53.4	53.9	54.3
105°	51.7	53.6	54.8	55.5	56.2	56.9	57.5
107.5°	59.0	57.1	56.5	57.2	57.8	58.5	59.2
110°	82.0	65.2	57.1	57.8	58.5	59.1	59.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	150.0	88.6	58.2	58.8	59.3	59.9	60.4
115°	233.4	155.5	110.5	98.4	86.3	74.1	62.1
117.5°	460.8	442.0	412.6	372.8	333.0	293.3	253.4
120°	560.9	562.9	552.5	529.9	507.2	484.4	461.8
122.5°	594.2	595.4	593.8	589.4	585.0	580.6	576.2
125°	643.2	644.4	645.2	645.7	646.2	646.7	647.2
127.5°	689.0	690.7	691.6	691.7	691.8	691.9	692.0
130°	717.9	719.7	720.6	720.3	720.2	720.0	719.9
132.5°	745.5	747.1	747.8	747.6	747.4	747.3	747.1
135°	785.4	787.1	787.8	787.5	787.1	786.8	786.5
137.5°	822.4	824.1	824.7	824.1	823.5	822.9	822.4
140°	846.3	847.8	848.1	847.3	846.4	845.6	844.8
142.5°	868.3	869.7	869.9	869.1	868.2	867.4	866.6
145°	899.0	900.2	900.4	899.5	898.7	897.9	897.0
147.5°	925.7	926.5	926.6	925.9	925.2	924.5	923.8
150°	942.4	943.4	943.5	942.7	941.8	941.0	940.2
152.5°	957.5	958.5	958.5	957.4	956.3	955.2	954.1
155°	977.9	979.0	978.8	977.5	976.1	974.8	973.4
157.5°	995.4	996.5	996.4	995.1	993.8	992.4	991.2
160°	1005.2	1006.2	1006.2	1005.0	1003.8	1002.7	1001.5
162.5°	1014.7	1015.9	1015.7	1014.2	1012.8	1011.4	1010.0
165°	1026.2	1027.4	1027.4	1026.2	1025.0	1023.8	1022.6
167.5°	1035.7	1036.9	1036.7	1035.2	1033.7	1032.2	1030.7
170°	1040.5	1041.7	1041.6	1040.1	1038.6	1037.0	1035.5
172.5°	1044.2	1045.4	1045.2	1043.7	1042.2	1040.7	1039.2
175°	1048.1	1049.3	1049.1	1047.3	1045.7	1044.0	1042.4
177.5°	1048.3	1049.2	1049.2	1047.9	1046.7	1045.5	1044.3
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1

(END OF REPORT)