

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: P331753-930

Luminaire Tested: **S122RDIP-S1005D925U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331753-930
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-S1005D925U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6125.7 lumens
Efficiency: N/A
Efficacy: 91.7 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

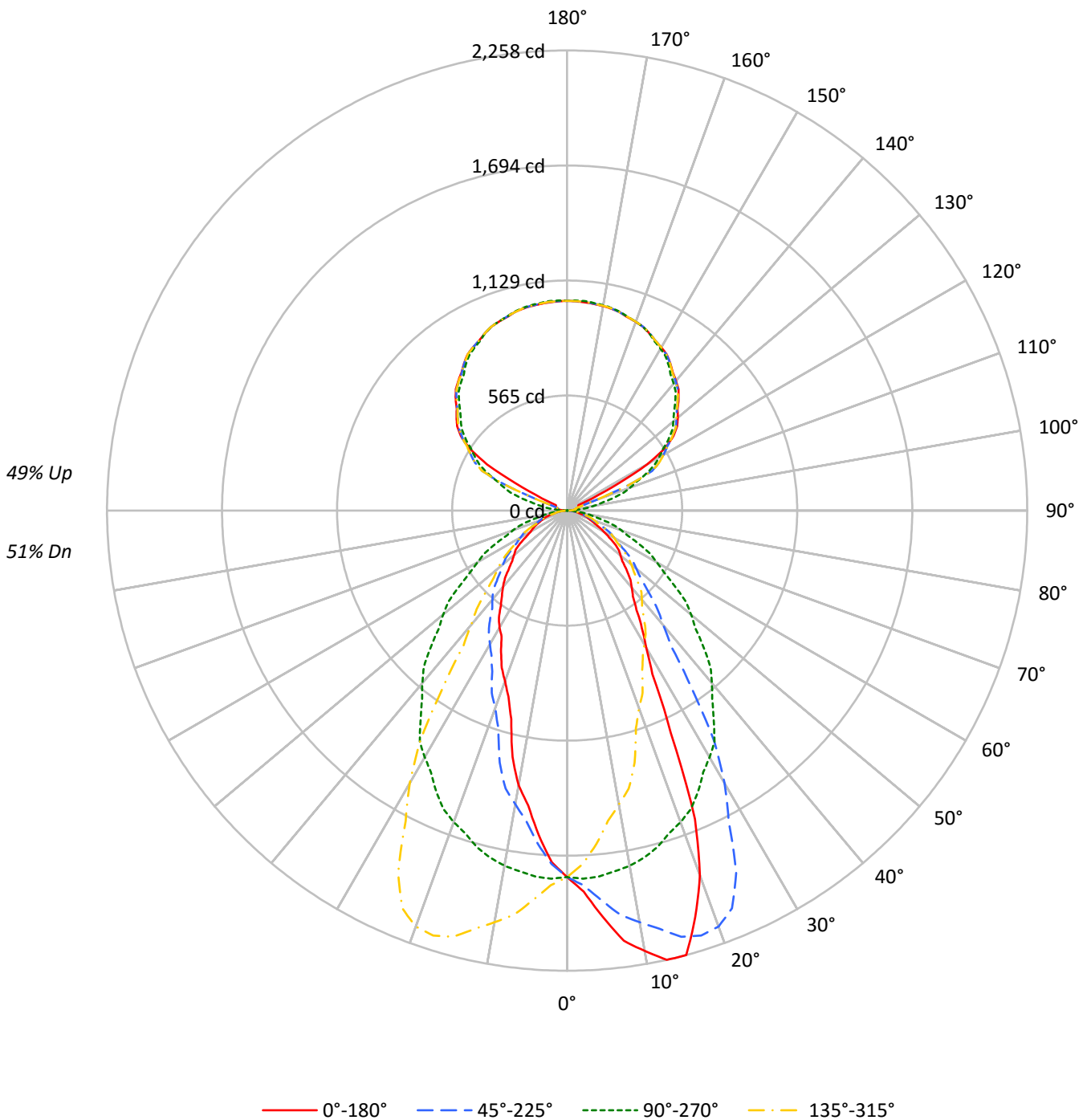
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	84	84		70	70	70		57	57	57	51
1	99	95	91	88	91	88	85	82	75	72	70		63	61	60		51	50	49	44
2	91	84	78	73	84	78	73	68	66	63	60		56	53	51		46	45	43	38
3	83	74	67	62	77	69	63	58	59	55	51		50	47	44		42	40	38	34
4	77	66	59	53	71	62	55	50	53	48	44		45	42	39		38	35	33	30
5	71	60	52	46	65	56	49	44	48	43	39		41	37	34		35	32	30	26
6	65	54	46	41	60	50	44	39	44	38	34		38	34	30		32	29	27	24
7	61	49	41	36	56	46	39	34	40	35	31		35	30	27		29	26	24	21
8	57	45	37	32	52	42	35	31	37	32	28		32	28	25		27	24	22	20
9	53	41	34	29	49	39	32	28	34	29	25		30	25	23		25	22	20	18
10	50	38	31	26	46	36	29	25	31	26	23		27	23	21		24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	29032	29032	29032	29032
5°	32423	29214	25901	29214
10°	35974	29009	22453	29009
15°	37742	28583	17690	28583
20°	32720	27953	15309	27953
25°	21458	27091	13668	27091
30°	14443	26045	12370	26045
35°	11698	24727	11158	24727
40°	10404	23294	10323	23294
45°	9417	21614	9216	21614
50°	8568	19947	8538	19947
55°	8056	18097	7949	18097
60°	6736	16401	6659	16401
65°	5681	14896	6445	14896
70°	5249	13303	6076	13303
75°	4916	11578	5608	11578
80°	4537	9530	4993	9530
85°	4168	7521	4390	7521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	2.8
10°-20°	474.9	7.8
20°-30°	612.0	10.0
30°-40°	581.6	9.5
40°-50°	498.2	8.1
50°-60°	379.4	6.2
60°-70°	239.9	3.9
70°-80°	119.8	2.0
80°-90°	33.7	0.6
90°-100°	34.3	0.6
100°-110°	125.9	2.1
110°-120°	336.5	5.5
120°-130°	555.4	9.1
130°-140°	590.7	9.6
140°-150°	549.0	9.0
150°-160°	441.4	7.2
160°-170°	284.5	4.6
170°-180°	97.9	1.6
0°-30°	1257.4	20.5
0°-40°	1839.0	30.0
0°-60°	2716.7	44.3
0°-90°	3110.0	50.8
90°-120°	496.7	8.1
90°-150°	2191.9	35.8
90°-180°	3016.0	49.2
0°-180°	6125.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1798	1798	1798	1798	1798	
5°	2000	1802	1598	1802	2000	197
15°	2258	1710	1058	1710	2258	609
25°	1204	1521	767	1521	1204	572
35°	594	1254	566	1254	594	380
45°	412	947	404	947	412	319
55°	286	643	282	643	286	251
65°	149	390	169	390	149	151
75°	79	186	90	186	79	84
85°	22	41	24	41	22	25
90°	20	1	20	1	20	10
95°	32	48	32	48	32	30
105°	57	226	57	226	57	59
115°	61	428	61	428	61	153
125°	637	605	637	605	637	551
135°	774	749	774	749	774	596
145°	882	869	882	869	882	552
155°	958	957	958	957	958	442
165°	1006	1008	1006	1008	1006	284
175°	1025	1031	1025	1031	1025	98
180°	1029	1029	1029	1029	1029	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1871.0	1872.6	1874.0	1870.5	1870.5	1867.5	1861.1	1856.0	1842.1	1840.0	1840.0
5°	2000.5	1999.3	2001.7	1993.7	1982.4	1979.9	1968.1	1952.4	1936.2	1918.1	1914.3
7.5°	2129.2	2127.4	2122.3	2121.0	2112.4	2093.4	2074.4	2054.0	2027.0	2000.7	1987.4
10°	2194.2	2214.8	2202.3	2180.4	2184.8	2155.5	2139.8	2113.0	2090.5	2051.1	2042.4
12.5°	2258.1	2266.3	2262.3	2249.9	2244.3	2223.9	2202.8	2179.5	2138.0	2102.6	2071.8
15°	2257.9	2269.8	2272.9	2269.1	2272.3	2271.0	2259.8	2240.4	2204.2	2165.4	2131.7
17.5°	2091.2	2099.5	2119.9	2133.8	2151.3	2188.3	2206.5	2213.7	2208.3	2186.2	2162.4
20°	1904.3	1890.5	1948.0	1977.4	2002.4	2064.8	2118.6	2139.2	2172.3	2171.7	2165.4
22.5°	1639.4	1642.7	1697.1	1732.0	1805.0	1867.4	1928.7	2006.3	2070.4	2112.7	2137.5
25°	1204.5	1228.3	1282.6	1330.2	1411.4	1527.5	1633.1	1755.6	1871.2	1962.4	2049.3
27.5°	904.7	906.4	949.5	993.4	1041.6	1136.9	1269.7	1416.0	1580.8	1716.8	1873.2
30°	774.7	770.9	789.0	816.0	857.2	930.9	1030.9	1174.6	1338.9	1543.8	1726.2
32.5°	682.7	683.0	696.6	716.5	750.7	800.5	868.9	985.6	1140.9	1342.4	1556.3
35°	593.5	592.9	602.9	617.3	631.6	663.5	710.4	771.6	878.4	1066.5	1285.2
37.5°	529.5	532.3	537.2	546.2	562.1	579.8	607.9	649.0	725.1	836.3	1020.1
40°	493.6	494.8	501.7	509.2	518.5	532.3	555.4	588.6	644.2	732.9	867.2
42.5°	460.6	461.9	466.7	473.7	481.1	494.8	514.0	542.6	587.7	656.9	767.7
45°	412.4	412.4	416.7	419.9	428.0	440.4	456.1	479.8	511.0	562.3	636.0
47.5°	367.1	367.2	370.1	375.5	380.6	390.4	405.7	425.1	447.8	487.5	550.4
50°	341.1	341.8	343.6	348.0	351.1	359.9	371.8	388.6	412.4	443.0	495.5
52.5°	320.2	319.8	322.1	324.0	326.1	332.4	341.3	356.1	377.3	404.0	447.4
55°	286.2	283.6	287.4	290.5	292.4	294.9	299.9	309.2	327.3	349.8	382.4
57.5°	243.7	242.6	245.3	248.2	254.0	260.8	265.1	271.0	280.4	296.5	328.7
60°	208.6	208.6	214.3	216.1	223.1	231.8	240.5	245.6	254.9	265.5	289.3
62.5°	177.7	178.2	180.8	182.7	186.5	197.3	209.5	220.5	229.4	239.5	255.3
65°	148.7	149.9	149.9	151.2	153.7	156.2	161.2	169.9	185.6	199.9	211.8
67.5°	126.2	126.6	126.9	128.2	128.8	131.6	133.5	137.5	141.0	154.7	169.4
70°	111.2	113.1	112.4	113.7	114.3	115.6	118.1	119.9	125.6	128.7	137.5
72.5°	97.2	98.6	98.5	99.2	100.9	101.1	103.1	104.9	108.6	111.2	115.9
75°	78.8	78.1	78.8	80.0	80.6	81.2	81.2	83.7	85.6	88.1	91.2
77.5°	60.7	61.4	61.2	61.4	61.5	62.6	62.5	63.6	65.5	66.7	68.2
80°	48.8	49.3	48.8	49.3	50.0	50.6	50.0	50.6	52.5	53.7	53.7
82.5°	37.7	37.8	38.2	38.4	38.5	38.6	39.5	39.6	41.0	40.8	41.3
85°	22.5	21.9	21.9	21.9	22.5	23.2	22.5	22.5	23.2	23.2	23.2
87.5°	12.0	12.5	12.4	12.3	12.2	12.1	12.0	12.3	11.7	12.0	11.3
90°	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6	15.7	14.9	13.5
92.5°	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1	17.7	17.3	16.6
95°	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7	29.8	29.0	27.9
97.5°	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2	39.5	38.9	36.2
100°	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1	43.8	42.5	39.6
102.5°	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0	45.3	43.6	39.6
105°	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1	47.2	45.4	39.6
107.5°	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8	61.7	63.6	117.7
110°	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2	113.7	130.3	178.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0	268.3	328.6	340.5
115°	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2	382.8	459.4	455.3
117.5°	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8	490.3	508.8	506.1
120°	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8	547.8	545.8	542.8
122.5°	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3	582.1	581.0	577.7
125°	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5	630.4	629.2	626.1
127.5°	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0	674.3	672.7	670.3
130°	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3	702.5	700.7	698.9
132.5°	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8	730.3	728.6	726.8
135°	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0	769.3	767.7	766.2
137.5°	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4	805.8	804.2	802.5
140°	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0	829.5	828.0	826.2
142.5°	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7	851.4	850.0	848.0
145°	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2	882.0	880.8	878.1
147.5°	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7	908.8	908.0	905.2
150°	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0	925.0	924.1	921.5
152.5°	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9	940.0	939.0	936.5
155°	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1	960.0	959.0	957.1
157.5°	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0	976.9	975.8	974.4
160°	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8	986.8	985.9	984.9
162.5°	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0	995.9	994.8	993.9
165°	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0	1005.5
167.5°	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7	1016.5	1015.4	1014.9
170°	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5	1021.2	1020.1	1019.8
172.5°	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0	1024.8	1023.7	1023.4
175°	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9	1028.7	1027.5	1027.2
177.5°	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3	1029.4	1028.4	1028.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1841.1	1837.0	1833.6	1824.6	1820.1	1810.0	1808.6	1808.1	1795.1	1782.6	1779.1
5°	1904.3	1894.3	1879.3	1861.8	1843.7	1825.0	1812.5	1802.5	1777.4	1753.7	1740.0
7.5°	1968.1	1946.5	1920.7	1887.6	1859.9	1829.0	1806.0	1785.3	1749.9	1715.9	1693.0
10°	2015.5	1980.5	1946.1	1900.5	1864.9	1829.9	1797.5	1769.4	1729.3	1684.4	1652.5
12.5°	2045.0	2006.5	1959.2	1914.6	1868.4	1824.0	1780.5	1744.3	1697.4	1650.9	1613.1
15°	2084.9	2043.6	1986.2	1922.4	1863.0	1805.0	1755.0	1710.0	1648.8	1593.2	1546.9
17.5°	2117.5	2060.8	1999.0	1925.3	1856.6	1782.7	1718.4	1660.9	1592.8	1525.7	1471.2
20°	2127.9	2071.8	2000.5	1926.8	1845.6	1758.8	1689.4	1626.9	1553.8	1480.7	1418.2
22.5°	2121.5	2077.7	1998.5	1910.3	1827.1	1736.3	1657.9	1585.4	1504.3	1429.7	1357.2
25°	2077.4	2062.4	1987.4	1891.2	1796.2	1690.6	1600.0	1520.7	1428.2	1348.3	1269.5
27.5°	1974.5	2006.9	1960.4	1857.9	1752.3	1639.2	1537.3	1447.0	1351.0	1261.0	1182.6
30°	1875.6	1949.9	1929.9	1834.9	1716.9	1605.7	1491.3	1397.0	1294.5	1202.1	1124.6
32.5°	1740.1	1863.0	1882.4	1803.0	1680.9	1558.7	1438.8	1345.0	1238.0	1140.6	1065.1
35°	1524.4	1708.1	1792.4	1741.9	1619.4	1487.6	1363.8	1254.5	1147.0	1050.8	975.9
37.5°	1267.1	1517.4	1657.9	1661.5	1549.1	1412.0	1277.2	1168.7	1058.7	964.3	883.2
40°	1100.2	1371.3	1554.4	1595.1	1500.1	1352.0	1215.8	1105.2	997.8	905.3	812.2
42.5°	950.3	1220.4	1445.4	1516.0	1440.6	1293.6	1156.8	1041.2	936.8	849.3	754.2
45°	768.5	1004.6	1252.6	1378.8	1337.0	1200.8	1056.5	946.6	848.4	772.8	681.6
47.5°	648.2	814.7	1054.8	1225.4	1224.7	1100.3	958.4	853.0	762.1	691.2	617.4
50°	579.8	724.7	927.8	1121.4	1137.7	1033.4	898.4	794.1	709.1	634.8	575.4
52.5°	518.3	637.7	820.4	1006.0	1052.2	961.9	831.0	734.6	652.2	583.8	533.0
55°	438.0	530.4	669.1	842.8	912.8	849.1	732.9	642.9	576.0	518.5	474.8
57.5°	370.5	439.9	551.1	691.0	772.5	732.4	636.5	563.5	506.2	454.2	419.7
60°	328.0	384.8	479.2	596.1	686.0	657.9	576.0	507.9	459.2	414.3	381.7
62.5°	288.0	336.9	417.8	512.6	595.0	583.4	516.6	459.4	416.7	375.8	348.2
65°	231.8	267.4	330.5	404.9	471.1	476.7	428.6	389.9	351.7	319.3	294.9
67.5°	184.6	207.8	252.3	314.9	364.5	382.2	352.9	323.3	293.0	267.9	246.8
70°	155.6	174.3	206.8	257.4	303.0	321.7	304.9	281.8	255.5	234.9	216.8
72.5°	126.0	144.3	168.3	205.5	244.5	264.8	258.9	242.3	221.0	203.9	186.8
75°	95.0	100.6	116.8	141.9	172.4	190.0	194.3	185.6	168.7	155.6	145.5
77.5°	70.2	73.6	81.4	94.5	114.5	130.0	136.5	135.4	123.8	116.2	106.8
80°	56.3	58.1	61.9	67.5	82.5	98.1	102.5	102.5	94.3	91.2	81.9
82.5°	42.7	44.1	46.4	49.5	56.5	70.1	75.0	76.0	70.8	66.7	59.4
85°	24.4	23.7	25.0	26.9	28.1	31.9	39.4	40.6	39.4	34.3	32.4
87.5°	10.9	11.2	10.9	10.1	10.3	10.4	12.5	14.7	13.0	11.9	11.3
90°	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7	2.5	4.4	6.2
92.5°	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0	14.8	14.7	14.5
95°	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4	43.0	37.5	32.0
97.5°	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0	80.6	65.3	49.9
100°	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8	109.1	86.4	63.8
102.5°	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1	166.3	161.5	156.7
105°	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3	231.3	236.3	241.2
107.5°	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3	293.3	297.3	301.3
110°	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9	333.4	336.8	340.3



TEST NUMBER: P331753-930

CATALOG NUMBER: S122RDIP-S1005D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9	371.0	374.1	377.2
115°	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1	431.0	433.7	436.6
117.5°	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9	485.0	488.2	491.4
120°	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2	523.7	526.2	528.6
122.5°	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6	557.2	559.8	562.4
125°	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4	607.5	609.7	611.8
127.5°	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3	653.8	656.2	658.5
130°	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6	683.2	685.8	688.5
132.5°	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4	712.6	714.9	717.1
135°	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1	751.7	754.4	757.0
137.5°	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2	790.1	792.0	793.8
140°	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8	815.2	816.5	817.8
142.5°	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3	836.5	837.7	838.9
145°	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9	868.8	868.6	868.5
147.5°	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3	897.6	897.1	896.4
150°	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4	916.2	915.0	913.9
152.5°	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4	932.1	930.8	929.6
155°	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8	955.4	953.8	952.4
157.5°	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1	973.9	972.7	971.3
160°	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	984.9	983.9	982.8
162.5°	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4	994.4	993.4	992.4
165°	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2	1007.2	1006.2	1005.2
167.5°	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7	1016.8	1015.8	1014.7
170°	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1	1022.1	1021.1	1020.1
172.5°	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6	1025.6	1024.7	1023.7
175°	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3	1030.1	1029.0	1027.8
177.5°	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0	1031.1	1030.2	1029.2
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331753-930

CATALOG NUMBER: S122RDIP-S1005D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1772.6	1769.1	1762.6	1752.6	1746.6	1736.1	1729.1	1733.1	1734.1	1733.1	1732.1
5°	1725.0	1711.9	1693.8	1676.3	1660.0	1642.5	1632.6	1628.2	1619.4	1614.4	1611.9
7.5°	1667.4	1644.8	1619.2	1588.7	1562.8	1535.7	1521.8	1514.9	1497.1	1487.4	1478.8
10°	1624.4	1588.8	1563.2	1523.2	1498.8	1463.2	1438.8	1439.5	1415.1	1401.3	1391.4
12.5°	1577.0	1537.8	1495.2	1459.2	1425.4	1396.8	1367.3	1355.5	1329.7	1316.4	1289.4
15°	1498.2	1452.6	1407.6	1358.9	1324.5	1280.2	1237.7	1185.9	1143.9	1107.7	1097.7
17.5°	1412.3	1355.8	1310.7	1253.4	1194.6	1120.0	1070.7	1040.6	1015.4	996.3	982.0
20°	1353.2	1295.8	1247.7	1161.5	1082.1	1031.5	995.2	972.2	945.9	925.3	914.0
22.5°	1291.3	1231.3	1165.7	1069.5	1007.6	967.0	934.7	908.2	890.4	874.3	864.1
25°	1203.3	1137.7	1029.6	963.4	913.4	870.9	848.4	832.2	813.4	791.6	781.6
27.5°	1110.4	1006.0	928.4	879.1	831.4	803.8	783.6	759.4	742.6	732.7	722.4
30°	1040.9	936.5	876.0	822.2	788.5	757.8	734.1	720.4	704.1	687.2	680.4
32.5°	963.4	880.0	822.0	777.2	743.0	716.9	698.1	675.9	664.1	653.8	639.4
35°	867.2	804.0	751.0	714.8	682.2	661.0	639.1	626.0	604.8	596.1	590.4
37.5°	785.7	731.0	691.4	653.1	627.4	603.9	590.5	569.6	560.4	548.3	536.5
40°	739.7	686.0	647.9	616.6	587.9	570.4	553.5	536.7	522.9	517.3	503.0
42.5°	692.8	649.0	610.9	576.7	557.4	538.9	517.6	505.2	491.0	481.8	473.0
45°	627.9	589.1	556.7	528.6	507.3	488.0	474.2	453.6	445.5	427.4	419.9
47.5°	571.0	534.9	503.9	477.2	456.5	443.8	423.7	407.6	394.6	383.5	373.9
50°	530.4	500.4	470.4	446.7	428.0	409.9	389.2	381.1	361.1	355.5	349.8
52.5°	493.4	465.0	437.5	414.3	395.5	377.9	359.7	349.1	335.7	330.0	325.9
55°	441.7	414.3	388.0	367.4	348.6	330.5	319.3	306.1	299.9	295.5	290.5
57.5°	389.7	365.0	344.9	324.0	305.2	290.7	277.8	269.9	263.4	257.6	251.7
60°	356.8	333.0	314.9	295.5	276.1	264.2	254.3	244.9	237.4	228.7	226.2
62.5°	321.7	301.0	284.4	265.5	248.7	237.8	228.3	219.4	210.4	197.7	194.2
65°	273.6	257.4	239.9	224.3	209.3	198.7	184.9	175.0	171.2	169.9	169.3
67.5°	230.2	214.8	199.8	183.8	170.2	160.3	153.4	151.8	149.2	148.5	146.7
70°	201.2	186.8	171.8	156.8	143.7	141.9	139.3	136.8	133.7	132.5	131.2
72.5°	175.2	160.3	145.3	133.3	127.7	125.3	122.9	120.3	118.2	117.0	116.2
75°	134.4	120.6	110.6	106.2	103.1	101.2	97.4	95.6	94.3	92.5	91.8
77.5°	96.7	88.9	84.4	81.6	78.4	76.3	74.2	72.3	71.0	70.6	69.6
80°	73.7	70.0	66.9	63.1	61.9	59.4	58.7	56.8	57.5	55.6	55.6
82.5°	57.2	52.5	49.9	48.1	46.9	44.8	44.3	43.4	43.5	42.1	42.1
85°	29.4	28.1	26.9	25.6	25.6	23.7	24.4	23.7	23.7	22.5	21.9
87.5°	11.1	10.9	10.2	10.4	10.7	10.4	10.7	10.3	10.4	10.6	10.3
90°	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6	17.4	18.2	18.8
92.5°	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1	18.6	19.0	19.3
95°	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7	31.6	32.4	32.7
97.5°	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2	40.8	41.5	41.9
100°	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1	46.4	47.8	48.6
102.5°	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0	48.8	50.5	51.6
105°	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1	50.9	52.7	54.0
107.5°	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8	58.0	56.2	55.6
110°	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2	80.6	64.1	56.2



TEST NUMBER: P331753-930

CATALOG NUMBER: S122RDIP-S1005D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0	147.6	87.2	57.3
115°	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2	229.6	153.0	108.7
117.5°	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8	453.3	434.7	405.9
120°	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8	551.8	553.8	543.6
122.5°	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3	584.5	585.7	584.2
125°	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5	632.7	633.8	634.6
127.5°	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0	677.8	679.5	680.3
130°	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3	706.1	707.9	708.8
132.5°	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8	733.4	734.9	735.6
135°	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0	772.7	774.3	774.9
137.5°	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4	809.0	810.7	811.2
140°	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0	832.5	834.0	834.3
142.5°	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7	854.1	855.5	855.7
145°	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2	884.4	885.5	885.7
147.5°	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7	910.5	911.4	911.5
150°	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0	927.1	928.1	928.1
152.5°	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9	941.9	942.9	942.9
155°	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1	962.1	963.0	962.9
157.5°	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0	979.1	980.2	980.2
160°	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8	988.9	989.9	989.8
162.5°	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0	998.2	999.3	999.1
165°	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6
167.5°	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7	1018.8	1020.0	1019.8
170°	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5	1023.6	1024.7	1024.6
172.5°	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0	1027.2	1028.3	1028.2
175°	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9	1031.0	1032.2	1031.9
177.5°	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3	1031.3	1032.2	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331753-930

CATALOG NUMBER: S122RDIP-S1005D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1726.6	1727.6	1726.2	1727.1	1726.2	1727.6	1726.6	1732.1	1733.1	1734.1	1733.1
5°	1608.7	1601.2	1600.0	1598.1	1600.0	1601.2	1608.7	1611.9	1614.4	1619.4	1628.2
7.5°	1468.1	1467.0	1463.9	1459.5	1463.9	1467.0	1468.1	1478.8	1487.4	1497.1	1514.9
10°	1377.6	1374.5	1373.9	1369.5	1373.9	1374.5	1377.6	1391.4	1401.3	1415.1	1439.5
12.5°	1271.6	1251.6	1249.4	1238.5	1249.4	1251.6	1271.6	1289.4	1316.4	1329.7	1355.5
15°	1082.7	1079.0	1066.5	1058.3	1066.5	1079.0	1082.7	1097.7	1107.7	1143.9	1185.9
17.5°	974.8	962.5	958.6	956.9	958.6	962.5	974.8	982.0	996.3	1015.4	1040.6
20°	905.3	894.1	892.2	891.0	892.2	894.1	905.3	914.0	925.3	945.9	972.2
22.5°	857.3	845.5	840.7	836.9	840.7	845.5	857.3	864.1	874.3	890.4	908.2
25°	775.3	770.9	768.5	767.2	768.5	770.9	775.3	781.6	791.6	813.4	832.2
27.5°	711.3	701.6	699.8	696.5	699.8	701.6	711.3	722.4	732.7	742.6	759.4
30°	674.7	671.6	667.2	663.5	667.2	671.6	674.7	680.4	687.2	704.1	720.4
32.5°	631.8	629.2	625.3	623.5	625.3	629.2	631.8	639.4	653.8	664.1	675.9
35°	584.2	575.4	571.7	566.1	571.7	575.4	584.2	590.4	596.1	604.8	626.0
37.5°	533.8	529.2	523.9	525.8	523.9	529.2	533.8	536.5	548.3	560.4	569.6
40°	494.8	491.7	490.5	489.8	490.5	491.7	494.8	503.0	517.3	522.9	536.7
42.5°	463.8	455.2	451.9	451.8	451.9	455.2	463.8	473.0	481.8	491.0	505.2
45°	416.7	408.6	403.0	403.6	403.0	408.6	416.7	419.9	427.4	445.5	453.6
47.5°	368.5	368.3	364.8	365.8	364.8	368.3	368.5	373.9	383.5	394.6	407.6
50°	345.5	341.8	339.2	339.9	339.2	341.8	345.5	349.8	355.5	361.1	381.1
52.5°	323.5	320.2	318.3	320.9	318.3	320.2	323.5	325.9	330.0	335.7	349.1
55°	287.4	283.6	283.0	282.4	283.0	283.6	287.4	290.5	295.5	299.9	306.1
57.5°	247.0	244.5	240.8	239.1	240.8	244.5	247.0	251.7	257.6	263.4	269.9
60°	218.0	213.0	206.8	206.2	206.8	213.0	218.0	226.2	228.7	237.4	244.9
62.5°	191.5	190.5	189.3	189.1	189.3	190.5	191.5	194.2	197.7	210.4	219.4
65°	168.0	167.5	168.0	168.7	168.0	167.5	168.0	169.3	169.9	171.2	175.0
67.5°	146.4	145.3	144.2	144.7	144.2	145.3	146.4	146.7	148.5	149.2	151.8
70°	130.0	129.3	128.7	128.7	128.7	129.3	130.0	131.2	132.5	133.7	136.8
72.5°	114.0	113.8	113.2	112.7	113.2	113.8	114.0	116.2	117.0	118.2	120.3
75°	91.2	89.9	89.9	89.9	89.9	89.9	91.2	91.8	92.5	94.3	95.6
77.5°	69.5	68.8	68.2	67.8	68.2	68.8	69.5	69.6	70.6	71.0	72.3
80°	55.0	54.4	53.7	53.7	53.7	54.4	55.0	55.6	55.6	57.5	56.8
82.5°	42.0	41.3	41.3	40.8	41.3	41.3	42.0	42.1	42.1	43.5	43.4
85°	22.5	23.2	22.5	23.7	22.5	23.2	22.5	21.9	22.5	23.7	23.7
87.5°	10.4	9.9	10.4	10.0	10.4	9.9	10.4	10.3	10.6	10.4	10.3
90°	19.1	19.4	19.8	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6
92.5°	19.5	19.7	19.9	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1
95°	32.5	32.4	32.2	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7
97.5°	42.2	42.3	42.6	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2
100°	48.9	49.2	49.6	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1
102.5°	52.1	52.5	53.0	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0
105°	54.6	55.3	55.9	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1
107.5°	56.3	56.9	57.6	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8
110°	56.8	57.5	58.1	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2



TEST NUMBER: P331753-930

CATALOG NUMBER: S122RDIP-S1005D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	57.8	58.4	58.9	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0
115°	96.8	84.9	73.0	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2
117.5°	366.7	327.6	288.5	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8
120°	521.2	498.9	476.5	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8
122.5°	579.8	575.4	571.1	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3
125°	635.1	635.6	636.2	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5
127.5°	680.4	680.5	680.6	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0
130°	708.7	708.4	708.3	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3
132.5°	735.4	735.2	735.1	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8
135°	774.6	774.3	774.0	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0
137.5°	810.7	810.1	809.5	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4
140°	833.5	832.7	831.8	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0
142.5°	854.9	854.1	853.3	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7
145°	884.8	884.0	883.2	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2
147.5°	910.8	910.1	909.4	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7
150°	927.3	926.4	925.6	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0
152.5°	941.8	940.7	939.6	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9
155°	961.6	960.2	958.9	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1
157.5°	978.8	977.5	976.2	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0
160°	988.6	987.4	986.3	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8
162.5°	997.8	996.3	994.9	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0
165°	1009.4	1008.3	1007.1	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3
167.5°	1018.3	1016.8	1015.4	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7
170°	1023.1	1021.6	1020.1	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5
172.5°	1026.6	1025.2	1023.7	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0
175°	1030.3	1028.7	1027.0	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9
177.5°	1030.9	1029.6	1028.4	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331753-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1729.1	1736.1	1746.6	1752.6	1762.6	1769.1	1772.6	1779.1	1782.6	1795.1	1808.1
5°	1632.6	1642.5	1660.0	1676.3	1693.8	1711.9	1725.0	1740.0	1753.7	1777.4	1802.5
7.5°	1521.8	1535.7	1562.8	1588.7	1619.2	1644.8	1667.4	1693.0	1715.9	1749.9	1785.3
10°	1438.8	1463.2	1498.8	1523.2	1563.2	1588.8	1624.4	1652.5	1684.4	1729.3	1769.4
12.5°	1367.3	1396.8	1425.4	1459.2	1495.2	1537.8	1577.0	1613.1	1650.9	1697.4	1744.3
15°	1237.7	1280.2	1324.5	1358.9	1407.6	1452.6	1498.2	1546.9	1593.2	1648.8	1710.0
17.5°	1070.7	1120.0	1194.6	1253.4	1310.7	1355.8	1412.3	1471.2	1525.7	1592.8	1660.9
20°	995.2	1031.5	1082.1	1161.5	1247.7	1295.8	1353.2	1418.2	1480.7	1553.8	1626.9
22.5°	934.7	967.0	1007.6	1069.5	1165.7	1231.3	1291.3	1357.2	1429.7	1504.3	1585.4
25°	848.4	870.9	913.4	963.4	1029.6	1137.7	1203.3	1269.5	1348.3	1428.2	1520.7
27.5°	783.6	803.8	831.4	879.1	928.4	1006.0	1110.4	1182.6	1261.0	1351.0	1447.0
30°	734.1	757.8	788.5	822.2	876.0	936.5	1040.9	1124.6	1202.1	1294.5	1397.0
32.5°	698.1	716.9	743.0	777.2	822.0	880.0	963.4	1065.1	1140.6	1238.0	1345.0
35°	639.1	661.0	682.2	714.8	751.0	804.0	867.2	975.9	1050.8	1147.0	1254.5
37.5°	590.5	603.9	627.4	653.1	691.4	731.0	785.7	883.2	964.3	1058.7	1168.7
40°	553.5	570.4	587.9	616.6	647.9	686.0	739.7	812.2	905.3	997.8	1105.2
42.5°	517.6	538.9	557.4	576.7	610.9	649.0	692.8	754.2	849.3	936.8	1041.2
45°	474.2	488.0	507.3	528.6	556.7	589.1	627.9	681.6	772.8	848.4	946.6
47.5°	423.7	443.8	456.5	477.2	503.9	534.9	571.0	617.4	691.2	762.1	853.0
50°	389.2	409.9	428.0	446.7	470.4	500.4	530.4	575.4	634.8	709.1	794.1
52.5°	359.7	377.9	395.5	414.3	437.5	465.0	493.4	533.0	583.8	652.2	734.6
55°	319.3	330.5	348.6	367.4	388.0	414.3	441.7	474.8	518.5	576.0	642.9
57.5°	277.8	290.7	305.2	324.0	344.9	365.0	389.7	419.7	454.2	506.2	563.5
60°	254.3	264.2	276.1	295.5	314.9	333.0	356.8	381.7	414.3	459.2	507.9
62.5°	228.3	237.8	248.7	265.5	284.4	301.0	321.7	348.2	375.8	416.7	459.4
65°	184.9	198.7	209.3	224.3	239.9	257.4	273.6	294.9	319.3	351.7	389.9
67.5°	153.4	160.3	170.2	183.8	199.8	214.8	230.2	246.8	267.9	293.0	323.3
70°	139.3	141.9	143.7	156.8	171.8	186.8	201.2	216.8	234.9	255.5	281.8
72.5°	122.9	125.3	127.7	133.3	145.3	160.3	175.2	186.8	203.9	221.0	242.3
75°	97.4	101.2	103.1	106.2	110.6	120.6	134.4	145.5	155.6	168.7	185.6
77.5°	74.2	76.3	78.4	81.6	84.4	88.9	96.7	106.8	116.2	123.8	135.4
80°	58.7	59.4	61.9	63.1	66.9	70.0	73.7	81.9	91.2	94.3	102.5
82.5°	44.3	44.8	46.9	48.1	49.9	52.5	57.2	59.4	66.7	70.8	76.0
85°	24.4	23.7	25.6	25.6	26.9	28.1	29.4	32.4	34.3	39.4	40.6
87.5°	10.7	10.4	10.7	10.4	10.2	10.9	11.1	11.3	11.9	13.0	14.7
90°	15.7	14.9	13.5	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7
92.5°	17.7	17.3	16.6	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0
95°	29.8	29.0	27.9	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4
97.5°	39.5	38.9	36.2	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0
100°	43.8	42.5	39.6	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8
102.5°	45.3	43.6	67.2	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1
105°	47.2	45.4	90.6	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3
107.5°	61.7	63.6	117.7	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3
110°	113.7	130.3	178.1	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9



TEST NUMBER: P331753-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	268.3	328.6	340.5	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9
115°	382.8	459.4	455.3	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1
117.5°	490.3	508.8	506.1	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9
120°	547.8	545.8	542.8	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2
122.5°	582.1	581.0	577.7	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6
125°	630.4	629.2	626.1	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4
127.5°	674.3	672.7	670.3	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3
130°	702.5	700.7	698.9	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6
132.5°	730.3	728.6	726.8	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4
135°	769.3	767.7	766.2	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1
137.5°	805.8	804.2	802.5	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2
140°	829.5	828.0	826.2	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8
142.5°	851.4	850.0	848.0	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3
145°	882.0	880.8	878.1	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9
147.5°	908.8	908.0	905.2	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3
150°	925.0	924.1	921.5	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4
152.5°	940.0	939.0	936.5	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4
155°	960.0	959.0	957.1	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8
157.5°	976.9	975.8	974.4	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1
160°	986.8	985.9	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9
162.5°	995.9	994.8	993.9	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4
165°	1007.1	1006.0	1005.5	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2
167.5°	1016.5	1015.4	1014.9	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7
170°	1021.2	1020.1	1019.8	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1
172.5°	1024.8	1023.7	1023.4	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6
175°	1028.7	1027.5	1027.2	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3
177.5°	1029.4	1028.4	1028.3	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331753-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1808.6	1810.0	1820.1	1824.6	1833.6	1837.0	1841.1	1840.0	1840.0	1842.1	1856.0
5°	1812.5	1825.0	1843.7	1861.8	1879.3	1894.3	1904.3	1914.3	1918.1	1936.2	1952.4
7.5°	1806.0	1829.0	1859.9	1887.6	1920.7	1946.5	1968.1	1987.4	2000.7	2027.0	2054.0
10°	1797.5	1829.9	1864.9	1900.5	1946.1	1980.5	2015.5	2042.4	2051.1	2090.5	2113.0
12.5°	1780.5	1824.0	1868.4	1914.6	1959.2	2006.5	2045.0	2071.8	2102.6	2138.0	2179.5
15°	1755.0	1805.0	1863.0	1922.4	1986.2	2043.6	2084.9	2131.7	2165.4	2204.2	2240.4
17.5°	1718.4	1782.7	1856.6	1925.3	1999.0	2060.8	2117.5	2162.4	2186.2	2208.3	2213.7
20°	1689.4	1758.8	1845.6	1926.8	2000.5	2071.8	2127.9	2165.4	2171.7	2172.3	2139.2
22.5°	1657.9	1736.3	1827.1	1910.3	1998.5	2077.7	2121.5	2137.5	2112.7	2070.4	2006.3
25°	1600.0	1690.6	1796.2	1891.2	1987.4	2062.4	2077.4	2049.3	1962.4	1871.2	1755.6
27.5°	1537.3	1639.2	1752.3	1857.9	1960.4	2006.9	1974.5	1873.2	1716.8	1580.8	1416.0
30°	1491.3	1605.7	1716.9	1834.9	1929.9	1949.9	1875.6	1726.2	1543.8	1338.9	1174.6
32.5°	1438.8	1558.7	1680.9	1803.0	1882.4	1863.0	1740.1	1556.3	1342.4	1140.9	985.6
35°	1363.8	1487.6	1619.4	1741.9	1792.4	1708.1	1524.4	1285.2	1066.5	878.4	771.6
37.5°	1277.2	1412.0	1549.1	1661.5	1657.9	1517.4	1267.1	1020.1	836.3	725.1	649.0
40°	1215.8	1352.0	1500.1	1595.1	1554.4	1371.3	1100.2	867.2	732.9	644.2	588.6
42.5°	1156.8	1293.6	1440.6	1516.0	1445.4	1220.4	950.3	767.7	656.9	587.7	542.6
45°	1056.5	1200.8	1337.0	1378.8	1252.6	1004.6	768.5	636.0	562.3	511.0	479.8
47.5°	958.4	1100.3	1224.7	1225.4	1054.8	814.7	648.2	550.4	487.5	447.8	425.1
50°	898.4	1033.4	1137.7	1121.4	927.8	724.7	579.8	495.5	443.0	412.4	388.6
52.5°	831.0	961.9	1052.2	1006.0	820.4	637.7	518.3	447.4	404.0	377.3	356.1
55°	732.9	849.1	912.8	842.8	669.1	530.4	438.0	382.4	349.8	327.3	309.2
57.5°	636.5	732.4	772.5	691.0	551.1	439.9	370.5	328.7	296.5	280.4	271.0
60°	576.0	657.9	686.0	596.1	479.2	384.8	328.0	289.3	265.5	254.9	245.6
62.5°	516.6	583.4	595.0	512.6	417.8	336.9	288.0	255.3	239.5	229.4	220.5
65°	428.6	476.7	471.1	404.9	330.5	267.4	231.8	211.8	199.9	185.6	169.9
67.5°	352.9	382.2	364.5	314.9	252.3	207.8	184.6	169.4	154.7	141.0	137.5
70°	304.9	321.7	303.0	257.4	206.8	174.3	155.6	137.5	128.7	125.6	119.9
72.5°	258.9	264.8	244.5	205.5	168.3	144.3	126.0	115.9	111.2	108.6	104.9
75°	194.3	190.0	172.4	141.9	116.8	100.6	95.0	91.2	88.1	85.6	83.7
77.5°	136.5	130.0	114.5	94.5	81.4	73.6	70.2	68.2	66.7	65.5	63.6
80°	102.5	98.1	82.5	67.5	61.9	58.1	56.3	53.7	53.7	52.5	50.6
82.5°	75.0	70.1	56.5	49.5	46.4	44.1	42.7	41.3	40.8	41.0	39.6
85°	39.4	31.9	28.1	26.9	25.0	23.7	24.4	23.2	23.2	23.2	22.5
87.5°	12.5	10.4	10.3	10.1	10.9	11.2	10.9	11.3	12.0	11.7	12.3
90°	2.5	4.4	6.2	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6
92.5°	14.8	14.7	14.5	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1
95°	43.0	37.5	32.0	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7
97.5°	80.6	65.3	49.9	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2
100°	109.1	86.4	63.8	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1
102.5°	166.3	161.5	156.7	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0
105°	231.3	236.3	241.2	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1
107.5°	293.3	297.3	301.3	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8
110°	333.4	336.8	340.3	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	371.0	374.1	377.2	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0
115°	431.0	433.7	436.6	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2
117.5°	485.0	488.2	491.4	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8
120°	523.7	526.2	528.6	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8
122.5°	557.2	559.8	562.4	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3
125°	607.5	609.7	611.8	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5
127.5°	653.8	656.2	658.5	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0
130°	683.2	685.8	688.5	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3
132.5°	712.6	714.9	717.1	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8
135°	751.7	754.4	757.0	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0
137.5°	790.1	792.0	793.8	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4
140°	815.2	816.5	817.8	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0
142.5°	836.5	837.7	838.9	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7
145°	868.8	868.6	868.5	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2
147.5°	897.6	897.1	896.4	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7
150°	916.2	915.0	913.9	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0
152.5°	932.1	930.8	929.6	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9
155°	955.4	953.8	952.4	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1
157.5°	973.9	972.7	971.3	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0
160°	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8
162.5°	994.4	993.4	992.4	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0
165°	1007.2	1006.2	1005.2	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3
167.5°	1016.8	1015.8	1014.7	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7
170°	1022.1	1021.1	1020.1	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5
172.5°	1025.6	1024.7	1023.7	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0
175°	1030.1	1029.0	1027.8	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9
177.5°	1031.1	1030.2	1029.2	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1861.1	1867.5	1870.5	1870.5	1874.0	1872.6	1871.0
5°	1968.1	1979.9	1982.4	1993.7	2001.7	1999.3	2000.5
7.5°	2074.4	2093.4	2112.4	2121.0	2122.3	2127.4	2129.2
10°	2139.8	2155.5	2184.8	2180.4	2202.3	2214.8	2194.2
12.5°	2202.8	2223.9	2244.3	2249.9	2262.3	2266.3	2258.1
15°	2259.8	2271.0	2272.3	2269.1	2272.9	2269.8	2257.9
17.5°	2206.5	2188.3	2151.3	2133.8	2119.9	2099.5	2091.2
20°	2118.6	2064.8	2002.4	1977.4	1948.0	1890.5	1904.3
22.5°	1928.7	1867.4	1805.0	1732.0	1697.1	1642.7	1639.4
25°	1633.1	1527.5	1411.4	1330.2	1282.6	1228.3	1204.5
27.5°	1269.7	1136.9	1041.6	993.4	949.5	906.4	904.7
30°	1030.9	930.9	857.2	816.0	789.0	770.9	774.7
32.5°	868.9	800.5	750.7	716.5	696.6	683.0	682.7
35°	710.4	663.5	631.6	617.3	602.9	592.9	593.5
37.5°	607.9	579.8	562.1	546.2	537.2	532.3	529.5
40°	555.4	532.3	518.5	509.2	501.7	494.8	493.6
42.5°	514.0	494.8	481.1	473.7	466.7	461.9	460.6
45°	456.1	440.4	428.0	419.9	416.7	412.4	412.4
47.5°	405.7	390.4	380.6	375.5	370.1	367.2	367.1
50°	371.8	359.9	351.1	348.0	343.6	341.8	341.1
52.5°	341.3	332.4	326.1	324.0	322.1	319.8	320.2
55°	299.9	294.9	292.4	290.5	287.4	283.6	286.2
57.5°	265.1	260.8	254.0	248.2	245.3	242.6	243.7
60°	240.5	231.8	223.1	216.1	214.3	208.6	208.6
62.5°	209.5	197.3	186.5	182.7	180.8	178.2	177.7
65°	161.2	156.2	153.7	151.2	149.9	149.9	148.7
67.5°	133.5	131.6	128.8	128.2	126.9	126.6	126.2
70°	118.1	115.6	114.3	113.7	112.4	113.1	111.2
72.5°	103.1	101.1	100.9	99.2	98.5	98.6	97.2
75°	81.2	81.2	80.6	80.0	78.8	78.1	78.8
77.5°	62.5	62.6	61.5	61.4	61.2	61.4	60.7
80°	50.0	50.6	50.0	49.3	48.8	49.3	48.8
82.5°	39.5	38.6	38.5	38.4	38.2	37.8	37.7
85°	22.5	23.2	22.5	21.9	21.9	21.9	22.5
87.5°	12.0	12.1	12.2	12.3	12.4	12.5	12.0
90°	17.4	18.2	18.8	19.1	19.4	19.8	20.1
92.5°	18.6	19.0	19.3	19.5	19.7	19.9	20.1
95°	31.6	32.4	32.7	32.5	32.4	32.2	32.0
97.5°	40.8	41.5	41.9	42.2	42.3	42.6	42.7
100°	46.4	47.8	48.6	48.9	49.2	49.6	49.9
102.5°	48.8	50.5	51.6	52.1	52.5	53.0	53.5
105°	50.9	52.7	54.0	54.6	55.3	55.9	56.6
107.5°	58.0	56.2	55.6	56.3	56.9	57.6	58.2
110°	80.6	64.1	56.2	56.8	57.5	58.1	58.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	147.6	87.2	57.3	57.8	58.4	58.9	59.4
115°	229.6	153.0	108.7	96.8	84.9	73.0	61.1
117.5°	453.3	434.7	405.9	366.7	327.6	288.5	249.3
120°	551.8	553.8	543.6	521.2	498.9	476.5	454.2
122.5°	584.5	585.7	584.2	579.8	575.4	571.1	566.8
125°	632.7	633.8	634.6	635.1	635.6	636.2	636.7
127.5°	677.8	679.5	680.3	680.4	680.5	680.6	680.7
130°	706.1	707.9	708.8	708.7	708.4	708.3	708.1
132.5°	733.4	734.9	735.6	735.4	735.2	735.1	734.9
135°	772.7	774.3	774.9	774.6	774.3	774.0	773.6
137.5°	809.0	810.7	811.2	810.7	810.1	809.5	808.9
140°	832.5	834.0	834.3	833.5	832.7	831.8	831.0
142.5°	854.1	855.5	855.7	854.9	854.1	853.3	852.4
145°	884.4	885.5	885.7	884.8	884.0	883.2	882.4
147.5°	910.5	911.4	911.5	910.8	910.1	909.4	908.7
150°	927.1	928.1	928.1	927.3	926.4	925.6	924.8
152.5°	941.9	942.9	942.9	941.8	940.7	939.6	938.5
155°	962.1	963.0	962.9	961.6	960.2	958.9	957.6
157.5°	979.1	980.2	980.2	978.8	977.5	976.2	975.0
160°	988.9	989.9	989.8	988.6	987.4	986.3	985.1
162.5°	998.2	999.3	999.1	997.8	996.3	994.9	993.4
165°	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0
167.5°	1018.8	1020.0	1019.8	1018.3	1016.8	1015.4	1013.8
170°	1023.6	1024.7	1024.6	1023.1	1021.6	1020.1	1018.6
172.5°	1027.2	1028.3	1028.2	1026.6	1025.2	1023.7	1022.2
175°	1031.0	1032.2	1031.9	1030.3	1028.7	1027.0	1025.3
177.5°	1031.3	1032.2	1032.0	1030.9	1029.6	1028.4	1027.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1

(END OF REPORT)