

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: P331754-935

Luminaire Tested: **SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331754-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132.8 lumens
Efficiency: N/A
Efficacy: 91.8 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

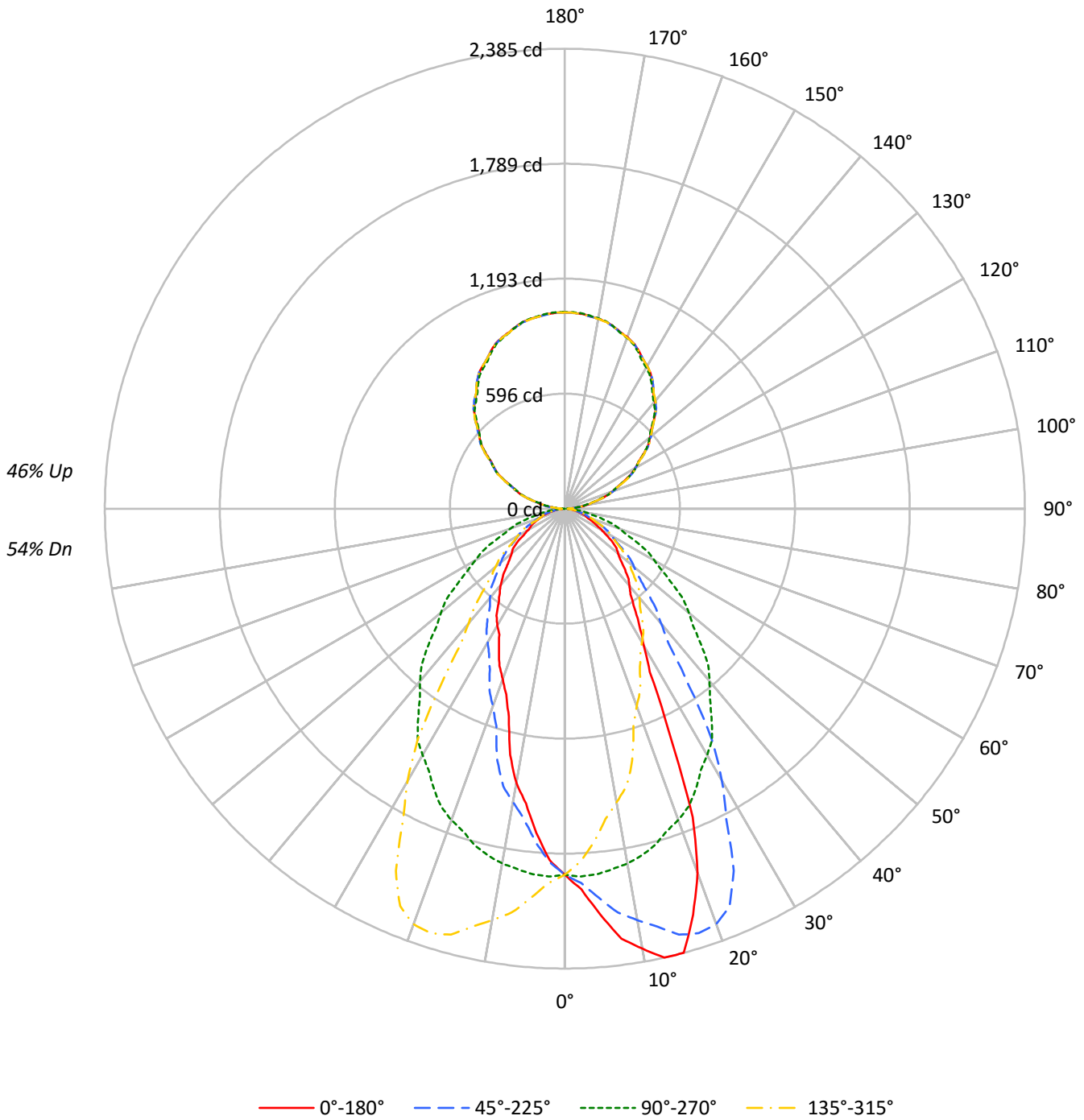
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54	54	54	54	
1	99	95	92	88	92	89	86	83	76	74	72	64	63	61	54	53	52	47	47	47	47	
2	91	84	79	74	84	79	74	69	68	64	61	58	55	53	48	47	45	41	41	41	41	
3	84	75	68	63	78	70	64	59	61	56	52	52	48	46	44	41	39	35	35	35	35	
4	77	67	60	54	71	63	56	51	54	49	45	47	43	40	40	37	35	31	31	31	31	
5	71	60	53	47	66	56	50	44	49	44	40	43	39	35	36	33	31	28	28	28	28	
6	66	54	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25	25	25	25	
7	61	50	42	37	57	47	40	35	41	36	32	36	31	28	31	28	25	23	23	23	23	
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	29	25	23	21	21	21	21	
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19	19	19	19	
10	50	38	31	27	47	36	30	26	32	27	24	28	24	21	25	22	19	17	17	17	17	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30658	30658	30658	30658
5°	34240	30851	27353	30851
10°	37990	30634	23710	30634
15°	39858	30186	18683	30186
20°	34553	29520	16167	29520
25°	22661	28609	14434	28609
30°	15252	27505	13064	27505
35°	12354	26112	11783	26112
40°	10985	24601	10903	24601
45°	9944	22825	9732	22825
50°	9048	21064	9018	21064
55°	8507	19111	8397	19111
60°	7114	17321	7030	17321
65°	5998	15729	6804	15729
70°	5542	14049	6420	14049
75°	5190	12227	5926	12227
80°	4788	10060	5272	10060
85°	4409	7947	4650	7947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	2.9
10°-20°	501.6	8.2
20°-30°	646.3	10.5
30°-40°	614.2	10.0
40°-50°	526.2	8.6
50°-60°	400.7	6.5
60°-70°	253.3	4.1
70°-80°	126.5	2.1
80°-90°	37.0	0.6
90°-100°	64.5	1.1
100°-110°	200.4	3.3
110°-120°	342.5	5.6
120°-130°	450.4	7.3
130°-140°	505.6	8.2
140°-150°	495.7	8.1
150°-160°	415.8	6.8
160°-170°	275.8	4.5
170°-180°	96.4	1.6
0°-30°	1327.9	21.7
0°-40°	1942.1	31.7
0°-60°	2869.0	46.8
0°-90°	3285.8	53.6
90°-120°	607.4	9.9
90°-150°	2059.1	33.6
90°-180°	2847.0	46.4
0°-180°	6132.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2113	1904	1688	1904	2113	209
15°	2384	1806	1118	1806	2384	643
25°	1272	1606	810	1606	1272	604
35°	627	1325	598	1325	627	401
45°	436	1000	426	1000	436	337
55°	302	679	298	679	302	265
65°	157	412	178	412	157	160
75°	83	196	95	196	83	88
85°	24	43	25	43	24	26
90°	29	1	29	1	29	14
95°	53	45	53	45	53	59
105°	191	185	191	185	191	201
115°	344	344	344	344	344	339
125°	502	500	502	500	502	447
135°	655	647	655	647	655	504
145°	794	785	794	785	794	496
155°	905	898	905	898	905	416
165°	978	977	978	977	978	276
175°	1013	1016	1013	1016	1013	96
180°	1018	1018	1018	1018	1018	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1975.9	1977.5	1979.1	1975.4	1975.4	1972.2	1965.4	1960.1	1945.3	1943.2	1943.2
5°	2112.6	2111.3	2113.9	2105.4	2093.5	2090.9	2078.4	2061.8	2044.7	2025.6	2021.6
7.5°	2248.6	2246.6	2241.3	2239.9	2230.8	2210.8	2190.6	2169.1	2140.6	2112.8	2098.8
10°	2317.2	2339.0	2325.7	2302.7	2307.3	2276.3	2259.8	2231.5	2207.7	2166.1	2156.9
12.5°	2384.7	2393.3	2389.1	2376.0	2370.1	2348.5	2326.2	2301.6	2257.8	2220.4	2188.0
15°	2384.5	2397.0	2400.3	2396.3	2399.7	2398.3	2386.4	2366.0	2327.7	2286.8	2251.2
17.5°	2208.5	2217.2	2238.8	2253.4	2271.9	2311.0	2330.2	2337.8	2332.1	2308.8	2283.6
20°	2011.0	1996.5	2057.2	2088.3	2114.6	2180.6	2237.3	2259.1	2294.0	2293.4	2286.8
22.5°	1731.3	1734.7	1792.3	1829.1	1906.2	1972.1	2036.8	2118.7	2186.4	2231.1	2257.3
25°	1272.0	1297.2	1354.5	1404.7	1490.5	1613.2	1724.7	1854.0	1976.1	2072.4	2164.1
27.5°	955.4	957.3	1002.7	1049.0	1100.0	1200.6	1340.9	1495.4	1669.4	1813.0	1978.1
30°	818.1	814.2	833.3	861.7	905.3	983.1	1088.6	1240.4	1413.9	1630.3	1823.0
32.5°	721.0	721.3	735.6	756.6	792.8	845.3	917.7	1040.9	1204.9	1417.6	1643.6
35°	626.8	626.1	636.7	651.9	667.0	700.7	750.2	814.9	927.6	1126.3	1357.2
37.5°	559.2	562.1	567.3	576.8	593.6	612.3	642.0	685.4	765.8	883.2	1077.3
40°	521.2	522.5	529.8	537.7	547.6	562.1	586.5	621.6	680.3	774.0	915.8
42.5°	486.4	487.8	492.8	500.2	508.1	522.5	542.8	573.0	620.6	693.7	810.7
45°	435.5	435.5	440.1	443.4	451.9	465.1	481.6	506.7	539.7	593.8	671.7
47.5°	387.7	387.8	390.9	396.6	401.9	412.2	428.4	448.9	472.9	514.8	581.3
50°	360.2	360.9	362.9	367.5	370.8	380.0	392.6	410.4	435.5	467.8	523.2
52.5°	338.1	337.7	340.2	342.2	344.4	351.0	360.4	376.1	398.5	426.6	472.5
55°	302.2	299.5	303.5	306.8	308.8	311.4	316.7	326.6	345.7	369.5	403.8
57.5°	257.4	256.2	259.1	262.1	268.3	275.4	279.9	286.2	296.1	313.1	347.2
60°	220.3	220.3	226.3	228.3	235.6	244.8	254.0	259.3	269.2	280.4	305.5
62.5°	187.6	188.2	191.0	193.0	197.0	208.4	221.3	232.9	242.3	253.0	269.6
65°	157.0	158.3	158.3	159.6	162.3	165.0	170.2	179.4	196.0	211.1	223.7
67.5°	133.3	133.7	134.1	135.3	136.0	139.0	141.0	145.2	149.0	163.3	178.9
70°	117.4	119.4	118.7	120.1	120.7	122.1	124.7	126.7	132.6	136.0	145.2
72.5°	102.6	104.1	104.0	104.8	106.5	106.8	108.8	110.8	114.7	117.4	122.4
75°	83.2	82.5	83.2	84.5	85.2	85.8	85.8	88.4	90.4	93.0	96.3
77.5°	64.1	64.8	64.7	64.8	64.9	66.1	66.0	67.2	69.1	70.4	72.1
80°	51.5	52.1	51.5	52.1	52.8	53.5	52.8	53.5	55.4	56.7	56.7
82.5°	39.9	40.0	40.4	40.6	40.6	40.8	41.7	41.8	43.3	43.0	43.6
85°	23.8	23.1	23.1	23.1	23.8	24.5	23.8	23.8	24.5	24.5	24.5
87.5°	14.3	14.8	14.7	14.7	14.6	14.7	14.7	15.3	14.9	15.5	14.1
90°	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3	29.7	30.0	25.8
92.5°	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5	27.4	27.3	26.3
95°	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0	55.0	55.0	54.6
97.5°	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	91.7
100°	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6	118.6	118.6	118.0
102.5°	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1	146.9	146.8	146.0
105°	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8	189.4	189.0	188.6
107.5°	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9	235.7	235.6	235.6
110°	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3	267.3	267.3	267.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6	299.1	299.5	299.7
115°	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7	347.0	347.2	347.5
117.5°	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3	393.7	394.3	395.3
120°	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5	424.5	424.5	426.0
122.5°	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5	457.0	457.4	458.6
125°	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1	504.6	505.2	505.8
127.5°	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3	551.0	551.6	552.3
130°	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8	582.2	582.6	583.0
132.5°	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5	613.4	614.2	614.1
135°	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8	658.0	658.1	657.8
137.5°	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2	701.4	701.5	701.0
140°	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4	730.4	730.4	729.4
142.5°	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8	756.6	756.5	755.8
145°	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9	796.7	796.5	795.4
147.5°	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1	831.6	831.2	830.4
150°	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4	853.8	853.3	852.5
152.5°	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7	876.0	875.2	874.3
155°	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0	904.0	903.0	902.5
157.5°	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1	929.8	928.5	928.2
160°	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6	945.5	944.3	944.1
162.5°	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6	959.3	958.0	957.9
165°	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8	977.4	976.1	976.1
167.5°	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7	992.4	991.0	991.1
170°	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9	1000.7	999.3	999.4
172.5°	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1	1006.9	1005.5	1005.6
175°	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9	1013.5	1012.2	1012.5
177.5°	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2	1016.4
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1944.3	1940.0	1936.4	1926.8	1922.1	1911.5	1910.0	1909.4	1895.7	1882.5	1878.8
5°	2011.0	2000.4	1984.7	1966.2	1947.1	1927.3	1914.1	1903.5	1877.1	1852.0	1837.5
7.5°	2078.4	2055.6	2028.3	1993.4	1964.2	1931.5	1907.2	1885.4	1848.0	1812.1	1787.9
10°	2128.5	2091.5	2055.2	2007.1	1969.5	1932.5	1898.2	1868.5	1826.3	1778.8	1745.2
12.5°	2159.6	2119.0	2069.0	2021.9	1973.2	1926.2	1880.3	1842.1	1792.5	1743.4	1703.5
15°	2201.7	2158.2	2097.5	2030.2	1967.5	1906.2	1853.4	1805.9	1741.2	1682.5	1633.7
17.5°	2236.2	2176.3	2111.1	2033.3	1960.7	1882.7	1814.7	1754.0	1682.0	1611.2	1553.7
20°	2247.2	2187.9	2112.6	2034.8	1949.0	1857.3	1784.1	1718.1	1640.9	1563.7	1497.7
22.5°	2240.4	2194.2	2110.6	2017.4	1929.5	1833.6	1750.8	1674.3	1588.6	1509.8	1433.3
25°	2193.8	2178.0	2098.8	1997.2	1896.9	1785.4	1689.7	1605.9	1508.3	1423.8	1340.7
27.5°	2085.2	2119.4	2070.3	1962.0	1850.5	1731.0	1623.5	1528.1	1426.8	1331.7	1248.9
30°	1980.7	2059.2	2038.1	1937.8	1813.1	1695.7	1574.9	1475.3	1367.1	1269.5	1187.7
32.5°	1837.6	1967.4	1988.0	1904.0	1775.1	1646.1	1519.5	1420.4	1307.4	1204.5	1124.8
35°	1609.9	1803.9	1892.9	1839.5	1710.2	1571.0	1440.3	1324.8	1211.3	1109.7	1030.6
37.5°	1338.2	1602.4	1750.8	1754.6	1635.9	1491.2	1348.8	1234.2	1118.1	1018.3	932.7
40°	1161.9	1448.2	1641.6	1684.5	1584.2	1427.8	1283.9	1167.2	1053.7	956.1	857.7
42.5°	1003.6	1288.8	1526.5	1601.0	1521.4	1366.1	1221.7	1099.6	989.3	896.9	796.5
45°	811.6	1060.9	1322.8	1456.1	1412.0	1268.1	1115.7	999.6	896.0	816.1	719.8
47.5°	684.6	860.4	1113.9	1294.1	1293.3	1162.0	1012.1	900.9	804.8	730.0	652.0
50°	612.3	765.3	979.8	1184.3	1201.4	1091.3	948.7	838.6	748.9	670.4	607.7
52.5°	547.3	673.5	866.3	1062.4	1111.2	1015.8	877.5	775.8	688.7	616.5	562.8
55°	462.5	560.2	706.6	890.0	964.0	896.6	774.0	678.9	608.3	547.6	501.4
57.5°	391.2	464.5	582.0	729.7	815.8	773.4	672.2	595.0	534.6	479.7	443.2
60°	346.4	406.4	506.1	629.5	724.4	694.7	608.3	536.4	484.9	437.5	403.1
62.5°	304.2	355.8	441.2	541.3	628.4	616.1	545.5	485.2	440.1	396.8	367.7
65°	244.8	282.4	349.0	427.6	497.5	503.4	452.6	411.7	371.4	337.2	311.4
67.5°	194.9	219.5	266.4	332.5	385.0	403.6	372.6	341.4	309.4	282.9	260.6
70°	164.3	184.1	218.3	271.8	320.0	339.8	322.0	297.6	269.8	248.1	228.9
72.5°	133.1	152.4	177.7	217.0	258.2	279.7	273.5	255.9	233.4	215.3	197.3
75°	100.3	106.2	123.4	149.8	182.1	200.6	205.2	196.0	178.1	164.3	153.7
77.5°	74.1	77.7	85.9	99.8	120.9	137.3	144.1	143.0	130.8	122.7	112.8
80°	59.4	61.4	65.3	71.3	87.1	103.6	108.2	108.2	99.6	96.3	86.4
82.5°	45.1	46.6	49.0	52.3	59.7	74.0	79.2	80.2	74.8	70.4	62.7
85°	25.7	25.1	26.4	28.4	29.7	33.7	41.6	42.9	41.6	36.2	34.3
87.5°	13.3	13.0	12.1	11.0	11.0	11.1	13.3	15.5	13.9	12.7	12.1
90°	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9	3.2	5.4	7.7
92.5°	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3	17.0	18.7	20.3
95°	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7	46.6	48.5	50.4
97.5°	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6	83.3	85.0	86.7
100°	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1	110.6	112.2	113.7
102.5°	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0	139.2	140.4	141.6
105°	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8	185.3	185.9	186.5
107.5°	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8	232.6	233.5	234.4
110°	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1	263.2	264.3	265.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1	296.2	297.4	298.5
115°	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7	344.8	345.9	347.2
117.5°	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2	393.6	395.2	396.7
120°	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	426.0	427.5	429.0
122.5°	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0	455.8	457.7	459.5
125°	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1	501.8	503.5	505.2
127.5°	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9	547.1	549.3	551.5
130°	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1	575.6	578.1	580.6
132.5°	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8	606.7	608.8	610.8
135°	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0	649.1	651.2	653.3
137.5°	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6	693.2	694.9	696.6
140°	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3	720.1	721.8	723.5
142.5°	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8	747.5	749.2	751.0
145°	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3	786.7	788.0	789.4
147.5°	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5	822.2	823.8	825.4
150°	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6	845.8	846.9	848.1
152.5°	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9	867.1	868.2	869.4
155°	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9	898.5	899.1	899.7
157.5°	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2	925.6	926.0	926.3
160°	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8	942.1	942.5	942.9
162.5°	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8	956.9	957.0	957.1
165°	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0	976.8	976.5	976.4
167.5°	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8	993.2	992.6	992.0
170°	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7	1002.1	1001.6	1001.0
172.5°	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9	1008.3	1007.8	1007.2
175°	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5	1015.9	1015.3	1014.8
177.5°	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6	1019.1	1018.6	1018.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331754-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1872.0	1868.3	1861.4	1850.8	1844.5	1833.4	1826.0	1830.2	1831.3	1830.2	1829.2
5°	1821.7	1807.8	1788.7	1770.2	1753.1	1734.6	1724.1	1719.4	1710.2	1704.9	1702.3
7.5°	1760.8	1737.0	1709.9	1677.7	1650.4	1621.8	1607.1	1599.8	1581.0	1570.7	1561.7
10°	1715.5	1677.8	1650.8	1608.6	1582.9	1545.2	1519.5	1520.2	1494.4	1479.9	1469.4
12.5°	1665.3	1624.0	1579.0	1541.0	1505.3	1475.1	1444.0	1431.5	1404.2	1390.2	1361.7
15°	1582.2	1534.0	1486.5	1435.0	1398.8	1351.9	1307.1	1252.3	1208.1	1169.8	1159.3
17.5°	1491.4	1431.8	1384.1	1323.7	1261.5	1182.8	1130.8	1099.0	1072.3	1052.1	1037.1
20°	1429.1	1368.4	1317.6	1226.6	1142.7	1089.3	1051.0	1026.7	998.9	977.1	965.3
22.5°	1363.7	1300.3	1231.1	1129.5	1064.1	1021.2	987.1	959.1	940.3	923.3	912.5
25°	1270.7	1201.4	1087.4	1017.4	964.6	919.7	896.0	878.8	859.0	835.9	825.4
27.5°	1172.6	1062.4	980.4	928.4	878.0	848.9	827.5	801.9	784.2	773.8	762.8
30°	1099.2	989.0	925.1	868.3	832.7	800.3	775.2	760.8	743.6	725.7	718.5
32.5°	1017.4	929.4	868.1	820.8	784.6	757.1	737.3	713.8	701.4	690.4	675.2
35°	915.8	849.1	793.1	754.8	720.5	698.1	674.9	661.1	638.7	629.5	623.5
37.5°	829.7	772.0	730.1	689.7	662.5	637.7	623.6	601.6	591.9	579.0	566.5
40°	781.2	724.4	684.2	651.2	620.9	602.4	584.5	566.8	552.2	546.3	531.2
42.5°	731.6	685.4	645.1	609.0	588.7	569.1	546.6	533.5	518.5	508.9	499.5
45°	663.1	622.2	587.9	558.2	535.7	515.3	500.8	479.0	470.5	451.3	443.4
47.5°	603.0	564.9	532.2	503.9	482.1	468.7	447.5	430.4	416.7	405.0	394.9
50°	560.2	528.5	496.8	471.7	451.9	432.8	411.0	402.4	381.3	375.4	369.5
52.5°	521.1	491.0	462.0	437.5	417.7	399.1	379.9	368.7	354.5	348.5	344.1
55°	466.5	437.5	409.7	388.0	368.2	349.0	337.2	323.3	316.7	312.1	306.8
57.5°	411.6	385.5	364.2	342.2	322.3	307.0	293.3	285.0	278.2	272.1	265.8
60°	376.8	351.6	332.5	312.1	291.6	279.1	268.5	258.6	250.7	241.5	238.8
62.5°	339.8	317.9	300.3	280.4	262.6	251.2	241.1	231.7	222.2	208.8	205.1
65°	289.0	271.8	253.4	236.9	221.0	209.8	195.3	184.8	180.8	179.4	178.8
67.5°	243.1	226.9	211.0	194.1	179.7	169.3	162.0	160.3	157.6	156.8	154.9
70°	212.5	197.3	181.4	165.6	151.8	149.8	147.1	144.5	141.2	139.9	138.5
72.5°	185.0	169.3	153.4	140.8	134.8	132.3	129.8	127.1	124.8	123.6	122.7
75°	141.9	127.3	116.8	112.2	108.8	106.9	102.9	100.9	99.6	97.6	96.9
77.5°	102.1	93.9	89.1	86.2	82.7	80.6	78.4	76.4	75.0	74.6	73.5
80°	77.8	73.9	70.6	66.6	65.3	62.7	62.0	60.0	60.7	58.7	58.7
82.5°	60.4	55.4	52.7	50.8	49.5	47.4	46.8	45.8	45.9	44.4	44.4
85°	31.0	29.7	28.4	27.0	27.0	25.1	25.7	25.1	25.1	23.8	23.1
87.5°	12.1	12.1	12.0	12.7	13.6	13.9	13.9	13.3	13.2	13.1	12.6
90°	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3	28.9	28.6	28.4
92.5°	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5	27.6	27.6	27.7
95°	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0	55.0	55.0	54.8
97.5°	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5	92.5	92.5	92.5
100°	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6	118.6	118.6	118.5
102.5°	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1	147.2	147.4	147.3
105°	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8	190.2	190.5	190.7
107.5°	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9	236.1	236.2	235.8
110°	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	266.9



TEST NUMBER: P331754-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6	298.2	297.7	297.2
115°	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7	346.6	346.4	345.9
117.5°	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3	392.9	392.4	391.8
120°	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5	424.5	424.5	424.2
122.5°	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5	456.1	455.6	455.2
125°	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1	503.5	502.9	502.6
127.5°	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3	549.6	548.9	548.2
130°	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8	581.4	581.0	580.5
132.5°	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5	611.7	610.8	610.1
135°	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8	657.6	657.4	657.0
137.5°	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2	701.0	700.9	700.4
140°	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4	730.4	730.4	730.0
142.5°	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8	756.9	757.1	756.8
145°	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9	797.1	797.3	797.0
147.5°	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1	832.5	832.9	832.8
150°	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4	855.0	855.5	855.5
152.5°	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7	877.4	878.1	878.1
155°	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0	905.9	906.9	907.1
157.5°	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1	932.4	933.7	933.8
160°	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6	947.7	948.9	949.1
162.5°	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6	961.9	963.2	963.5
165°	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8	980.1	981.5	981.6
167.5°	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7	995.1	996.3	996.5
170°	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9	1003.3	1004.6	1004.7
172.5°	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1	1009.5	1010.8	1010.9
175°	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9	1016.2	1017.5	1017.6
177.5°	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331754-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1823.4	1824.5	1822.9	1823.9	1822.9	1824.5	1823.4	1829.2	1830.2	1831.3	1830.2
5°	1698.9	1691.0	1689.7	1687.7	1689.7	1691.0	1698.9	1702.3	1704.9	1710.2	1719.4
7.5°	1550.4	1549.2	1545.9	1541.3	1545.9	1549.2	1550.4	1561.7	1570.7	1581.0	1599.8
10°	1454.8	1451.6	1450.9	1446.2	1450.9	1451.6	1454.8	1469.4	1479.9	1494.4	1520.2
12.5°	1342.9	1321.7	1319.5	1307.9	1319.5	1321.7	1342.9	1361.7	1390.2	1404.2	1431.5
15°	1143.4	1139.4	1126.3	1117.7	1126.3	1139.4	1143.4	1159.3	1169.8	1208.1	1252.3
17.5°	1029.4	1016.5	1012.4	1010.6	1012.4	1016.5	1029.4	1037.1	1052.1	1072.3	1099.0
20°	956.1	944.2	942.2	940.9	942.2	944.2	956.1	965.3	977.1	998.9	1026.7
22.5°	905.3	892.9	887.8	883.8	887.8	892.9	905.3	912.5	923.3	940.3	959.1
25°	818.8	814.2	811.6	810.2	811.6	814.2	818.8	825.4	835.9	859.0	878.8
27.5°	751.1	741.0	739.0	735.6	739.0	741.0	751.1	762.8	773.8	784.2	801.9
30°	712.6	709.3	704.6	700.7	704.6	709.3	712.6	718.5	725.7	743.6	760.8
32.5°	667.2	664.4	660.3	658.5	660.3	664.4	667.2	675.2	690.4	701.4	713.8
35°	616.9	607.7	603.7	597.8	603.7	607.7	616.9	623.5	629.5	638.7	661.1
37.5°	563.7	558.9	553.3	555.3	553.3	558.9	563.7	566.5	579.0	591.9	601.6
40°	522.5	519.3	518.0	517.3	518.0	519.3	522.5	531.2	546.3	552.2	566.8
42.5°	489.8	480.7	477.3	477.2	477.3	480.7	489.8	499.5	508.9	518.5	533.5
45°	440.1	431.5	425.6	426.2	425.6	431.5	440.1	443.4	451.3	470.5	479.0
47.5°	389.2	388.9	385.2	386.3	385.2	388.9	389.2	394.9	405.0	416.7	430.4
50°	364.9	360.9	358.3	359.0	358.3	360.9	364.9	369.5	375.4	381.3	402.4
52.5°	341.6	338.2	336.1	338.9	336.1	338.2	341.6	344.1	348.5	354.5	368.7
55°	303.5	299.5	298.9	298.3	298.9	299.5	303.5	306.8	312.1	316.7	323.3
57.5°	260.9	258.2	254.3	252.5	254.3	258.2	260.9	265.8	272.1	278.2	285.0
60°	230.2	225.0	218.3	217.7	218.3	225.0	230.2	238.8	241.5	250.7	258.6
62.5°	202.2	201.2	199.9	199.8	199.9	201.2	202.2	205.1	208.8	222.2	231.7
65°	177.5	176.8	177.5	178.1	177.5	176.8	177.5	178.8	179.4	180.8	184.8
67.5°	154.6	153.4	152.3	152.8	152.3	153.4	154.6	154.9	156.8	157.6	160.3
70°	137.2	136.6	136.0	136.0	136.0	136.6	137.2	138.5	139.9	141.2	144.5
72.5°	120.4	120.2	119.6	119.0	119.6	120.2	120.4	122.7	123.6	124.8	127.1
75°	96.3	95.0	95.0	95.0	95.0	95.0	96.3	96.9	97.6	99.6	100.9
77.5°	73.4	72.7	72.1	71.5	72.1	72.7	73.4	73.5	74.6	75.0	76.4
80°	58.0	57.4	56.7	56.7	56.7	57.4	58.0	58.7	58.7	60.7	60.0
82.5°	44.3	43.7	43.6	43.0	43.6	43.7	44.3	44.4	44.4	45.9	45.8
85°	23.8	24.5	23.8	25.1	23.8	24.5	23.8	23.1	23.8	25.1	25.1
87.5°	12.6	12.1	12.7	12.1	12.7	12.1	12.6	12.6	13.1	13.2	13.3
90°	28.7	28.8	29.0	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3
92.5°	27.7	27.7	27.8	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5
95°	54.4	54.1	53.6	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0
97.5°	92.4	92.4	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5
100°	118.3	118.1	117.9	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6
102.5°	147.1	147.0	146.8	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1
105°	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8
107.5°	235.0	234.1	233.2	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9
110°	266.4	265.8	265.2	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3



TEST NUMBER: P331754-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	296.9	296.4	296.0	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6
115°	345.4	344.8	344.2	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7
117.5°	391.3	390.7	390.1	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3
120°	423.6	423.0	422.5	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5
122.5°	454.8	454.3	453.9	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5
125°	502.4	502.1	502.0	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1
127.5°	547.6	547.0	546.4	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3
130°	579.7	578.9	578.2	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8
132.5°	609.5	608.9	608.3	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5
135°	656.4	655.9	655.3	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8
137.5°	699.6	698.9	698.1	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2
140°	729.2	728.4	727.7	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4
142.5°	756.0	755.3	754.5	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8
145°	796.3	795.5	794.7	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9
147.5°	832.1	831.3	830.6	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1
150°	855.0	854.4	853.8	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4
152.5°	877.4	876.7	876.0	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7
155°	906.5	905.9	905.3	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0
157.5°	933.0	932.0	931.1	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1
160°	948.3	947.5	946.8	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6
162.5°	962.5	961.6	960.7	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6
165°	980.7	979.7	978.8	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8
167.5°	995.6	994.5	993.6	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7
170°	1003.6	1002.5	1001.3	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9
172.5°	1009.8	1008.7	1007.5	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1
175°	1016.5	1015.3	1014.2	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9
177.5°	1018.9	1018.0	1017.0	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331754-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1826.0	1833.4	1844.5	1850.8	1861.4	1868.3	1872.0	1878.8	1882.5	1895.7	1909.4
5°	1724.1	1734.6	1753.1	1770.2	1788.7	1807.8	1821.7	1837.5	1852.0	1877.1	1903.5
7.5°	1607.1	1621.8	1650.4	1677.7	1709.9	1737.0	1760.8	1787.9	1812.1	1848.0	1885.4
10°	1519.5	1545.2	1582.9	1608.6	1650.8	1677.8	1715.5	1745.2	1778.8	1826.3	1868.5
12.5°	1444.0	1475.1	1505.3	1541.0	1579.0	1624.0	1665.3	1703.5	1743.4	1792.5	1842.1
15°	1307.1	1351.9	1398.8	1435.0	1486.5	1534.0	1582.2	1633.7	1682.5	1741.2	1805.9
17.5°	1130.8	1182.8	1261.5	1323.7	1384.1	1431.8	1491.4	1553.7	1611.2	1682.0	1754.0
20°	1051.0	1089.3	1142.7	1226.6	1317.6	1368.4	1429.1	1497.7	1563.7	1640.9	1718.1
22.5°	987.1	1021.2	1064.1	1129.5	1231.1	1300.3	1363.7	1433.3	1509.8	1588.6	1674.3
25°	896.0	919.7	964.6	1017.4	1087.4	1201.4	1270.7	1340.7	1423.8	1508.3	1605.9
27.5°	827.5	848.9	878.0	928.4	980.4	1062.4	1172.6	1248.9	1331.7	1426.8	1528.1
30°	775.2	800.3	832.7	868.3	925.1	989.0	1099.2	1187.7	1269.5	1367.1	1475.3
32.5°	737.3	757.1	784.6	820.8	868.1	929.4	1017.4	1124.8	1204.5	1307.4	1420.4
35°	674.9	698.1	720.5	754.8	793.1	849.1	915.8	1030.6	1109.7	1211.3	1324.8
37.5°	623.6	637.7	662.5	689.7	730.1	772.0	829.7	932.7	1018.3	1118.1	1234.2
40°	584.5	602.4	620.9	651.2	684.2	724.4	781.2	857.7	956.1	1053.7	1167.2
42.5°	546.6	569.1	588.7	609.0	645.1	685.4	731.6	796.5	896.9	989.3	1099.6
45°	500.8	515.3	535.7	558.2	587.9	622.2	663.1	719.8	816.1	896.0	999.6
47.5°	447.5	468.7	482.1	503.9	532.2	564.9	603.0	652.0	730.0	804.8	900.9
50°	411.0	432.8	451.9	471.7	496.8	528.5	560.2	607.7	670.4	748.9	838.6
52.5°	379.9	399.1	417.7	437.5	462.0	491.0	521.1	562.8	616.5	688.7	775.8
55°	337.2	349.0	368.2	388.0	409.7	437.5	466.5	501.4	547.6	608.3	678.9
57.5°	293.3	307.0	322.3	342.2	364.2	385.5	411.6	443.2	479.7	534.6	595.0
60°	268.5	279.1	291.6	312.1	332.5	351.6	376.8	403.1	437.5	484.9	536.4
62.5°	241.1	251.2	262.6	280.4	300.3	317.9	339.8	367.7	396.8	440.1	485.2
65°	195.3	209.8	221.0	236.9	253.4	271.8	289.0	311.4	337.2	371.4	411.7
67.5°	162.0	169.3	179.7	194.1	211.0	226.9	243.1	260.6	282.9	309.4	341.4
70°	147.1	149.8	151.8	165.6	181.4	197.3	212.5	228.9	248.1	269.8	297.6
72.5°	129.8	132.3	134.8	140.8	153.4	169.3	185.0	197.3	215.3	233.4	255.9
75°	102.9	106.9	108.8	112.2	116.8	127.3	141.9	153.7	164.3	178.1	196.0
77.5°	78.4	80.6	82.7	86.2	89.1	93.9	102.1	112.8	122.7	130.8	143.0
80°	62.0	62.7	65.3	66.6	70.6	73.9	77.8	86.4	96.3	99.6	108.2
82.5°	46.8	47.4	49.5	50.8	52.7	55.4	60.4	62.7	70.4	74.8	80.2
85°	25.7	25.1	27.0	27.0	28.4	29.7	31.0	34.3	36.2	41.6	42.9
87.5°	13.9	13.9	13.6	12.7	12.0	12.1	12.1	12.1	12.7	13.9	15.5
90°	29.7	30.0	25.8	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9
92.5°	27.4	27.3	26.3	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3
95°	55.0	55.0	54.6	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7
97.5°	92.5	92.5	91.7	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6
100°	118.6	118.6	118.0	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1
102.5°	146.9	146.8	146.0	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0
105°	189.4	189.0	188.6	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8
107.5°	235.7	235.6	235.6	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8
110°	267.3	267.3	267.3	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	299.1	299.5	299.7	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1
115°	347.0	347.2	347.5	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7
117.5°	393.7	394.3	395.3	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2
120°	424.5	424.5	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5
122.5°	457.0	457.4	458.6	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0
125°	504.6	505.2	505.8	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1
127.5°	551.0	551.6	552.3	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9
130°	582.2	582.6	583.0	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1
132.5°	613.4	614.2	614.1	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8
135°	658.0	658.1	657.8	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0
137.5°	701.4	701.5	701.0	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6
140°	730.4	730.4	729.4	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3
142.5°	756.6	756.5	755.8	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8
145°	796.7	796.5	795.4	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3
147.5°	831.6	831.2	830.4	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5
150°	853.8	853.3	852.5	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6
152.5°	876.0	875.2	874.3	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9
155°	904.0	903.0	902.5	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9
157.5°	929.8	928.5	928.2	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2
160°	945.5	944.3	944.1	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8
162.5°	959.3	958.0	957.9	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8
165°	977.4	976.1	976.1	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0
167.5°	992.4	991.0	991.1	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8
170°	1000.7	999.3	999.4	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7
172.5°	1006.9	1005.5	1005.6	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9
175°	1013.5	1012.2	1012.5	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5
177.5°	1017.0	1016.2	1016.4	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331754-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1910.0	1911.5	1922.1	1926.8	1936.4	1940.0	1944.3	1943.2	1943.2	1945.3	1960.1
5°	1914.1	1927.3	1947.1	1966.2	1984.7	2000.4	2011.0	2021.6	2025.6	2044.7	2061.8
7.5°	1907.2	1931.5	1964.2	1993.4	2028.3	2055.6	2078.4	2098.8	2112.8	2140.6	2169.1
10°	1898.2	1932.5	1969.5	2007.1	2055.2	2091.5	2128.5	2156.9	2166.1	2207.7	2231.5
12.5°	1880.3	1926.2	1973.2	2021.9	2069.0	2119.0	2159.6	2188.0	2220.4	2257.8	2301.6
15°	1853.4	1906.2	1967.5	2030.2	2097.5	2158.2	2201.7	2251.2	2286.8	2327.7	2366.0
17.5°	1814.7	1882.7	1960.7	2033.3	2111.1	2176.3	2236.2	2283.6	2308.8	2332.1	2337.8
20°	1784.1	1857.3	1949.0	2034.8	2112.6	2187.9	2247.2	2286.8	2293.4	2294.0	2259.1
22.5°	1750.8	1833.6	1929.5	2017.4	2110.6	2194.2	2240.4	2257.3	2231.1	2186.4	2118.7
25°	1689.7	1785.4	1896.9	1997.2	2098.8	2178.0	2193.8	2164.1	2072.4	1976.1	1854.0
27.5°	1623.5	1731.0	1850.5	1962.0	2070.3	2119.4	2085.2	1978.1	1813.0	1669.4	1495.4
30°	1574.9	1695.7	1813.1	1937.8	2038.1	2059.2	1980.7	1823.0	1630.3	1413.9	1240.4
32.5°	1519.5	1646.1	1775.1	1904.0	1988.0	1967.4	1837.6	1643.6	1417.6	1204.9	1040.9
35°	1440.3	1571.0	1710.2	1839.5	1892.9	1803.9	1609.9	1357.2	1126.3	927.6	814.9
37.5°	1348.8	1491.2	1635.9	1754.6	1750.8	1602.4	1338.2	1077.3	883.2	765.8	685.4
40°	1283.9	1427.8	1584.2	1684.5	1641.6	1448.2	1161.9	915.8	774.0	680.3	621.6
42.5°	1221.7	1366.1	1521.4	1601.0	1526.5	1288.8	1003.6	810.7	693.7	620.6	573.0
45°	1115.7	1268.1	1412.0	1456.1	1322.8	1060.9	811.6	671.7	593.8	539.7	506.7
47.5°	1012.1	1162.0	1293.3	1294.1	1113.9	860.4	684.6	581.3	514.8	472.9	448.9
50°	948.7	1091.3	1201.4	1184.3	979.8	765.3	612.3	523.2	467.8	435.5	410.4
52.5°	877.5	1015.8	1111.2	1062.4	866.3	673.5	547.3	472.5	426.6	398.5	376.1
55°	774.0	896.6	964.0	890.0	706.6	560.2	462.5	403.8	369.5	345.7	326.6
57.5°	672.2	773.4	815.8	729.7	582.0	464.5	391.2	347.2	313.1	296.1	286.2
60°	608.3	694.7	724.4	629.5	506.1	406.4	346.4	305.5	280.4	269.2	259.3
62.5°	545.5	616.1	628.4	541.3	441.2	355.8	304.2	269.6	253.0	242.3	232.9
65°	452.6	503.4	497.5	427.6	349.0	282.4	244.8	223.7	211.1	196.0	179.4
67.5°	372.6	403.6	385.0	332.5	266.4	219.5	194.9	178.9	163.3	149.0	145.2
70°	322.0	339.8	320.0	271.8	218.3	184.1	164.3	145.2	136.0	132.6	126.7
72.5°	273.5	279.7	258.2	217.0	177.7	152.4	133.1	122.4	117.4	114.7	110.8
75°	205.2	200.6	182.1	149.8	123.4	106.2	100.3	96.3	93.0	90.4	88.4
77.5°	144.1	137.3	120.9	99.8	85.9	77.7	74.1	72.1	70.4	69.1	67.2
80°	108.2	103.6	87.1	71.3	65.3	61.4	59.4	56.7	56.7	55.4	53.5
82.5°	79.2	74.0	59.7	52.3	49.0	46.6	45.1	43.6	43.0	43.3	41.8
85°	41.6	33.7	29.7	28.4	26.4	25.1	25.7	24.5	24.5	24.5	23.8
87.5°	13.3	11.1	11.0	11.0	12.1	13.0	13.3	14.1	15.5	14.9	15.3
90°	3.2	5.4	7.7	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3
92.5°	17.0	18.7	20.3	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5
95°	46.6	48.5	50.4	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0
97.5°	83.3	85.0	86.7	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5
100°	110.6	112.2	113.7	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6
102.5°	139.2	140.4	141.6	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1
105°	185.3	185.9	186.5	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8
107.5°	232.6	233.5	234.4	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9
110°	263.2	264.3	265.5	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	297.4	298.5	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6
115°	344.8	345.9	347.2	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7
117.5°	393.6	395.2	396.7	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3
120°	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5
122.5°	455.8	457.7	459.5	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5
125°	501.8	503.5	505.2	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1
127.5°	547.1	549.3	551.5	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3
130°	575.6	578.1	580.6	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8
132.5°	606.7	608.8	610.8	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5
135°	649.1	651.2	653.3	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8
137.5°	693.2	694.9	696.6	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2
140°	720.1	721.8	723.5	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4
142.5°	747.5	749.2	751.0	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8
145°	786.7	788.0	789.4	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9
147.5°	822.2	823.8	825.4	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1
150°	845.8	846.9	848.1	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4
152.5°	867.1	868.2	869.4	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7
155°	898.5	899.1	899.7	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0
157.5°	925.6	926.0	926.3	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1
160°	942.1	942.5	942.9	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6
162.5°	956.9	957.0	957.1	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6
165°	976.8	976.5	976.4	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8
167.5°	993.2	992.6	992.0	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7
170°	1002.1	1001.6	1001.0	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9
172.5°	1008.3	1007.8	1007.2	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1
175°	1015.9	1015.3	1014.8	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9
177.5°	1019.1	1018.6	1018.2	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1965.4	1972.2	1975.4	1975.4	1979.1	1977.5	1975.9
5°	2078.4	2090.9	2093.5	2105.4	2113.9	2111.3	2112.6
7.5°	2190.6	2210.8	2230.8	2239.9	2241.3	2246.6	2248.6
10°	2259.8	2276.3	2307.3	2302.7	2325.7	2339.0	2317.2
12.5°	2326.2	2348.5	2370.1	2376.0	2389.1	2393.3	2384.7
15°	2386.4	2398.3	2399.7	2396.3	2400.3	2397.0	2384.5
17.5°	2330.2	2311.0	2271.9	2253.4	2238.8	2217.2	2208.5
20°	2237.3	2180.6	2114.6	2088.3	2057.2	1996.5	2011.0
22.5°	2036.8	1972.1	1906.2	1829.1	1792.3	1734.7	1731.3
25°	1724.7	1613.2	1490.5	1404.7	1354.5	1297.2	1272.0
27.5°	1340.9	1200.6	1100.0	1049.0	1002.7	957.3	955.4
30°	1088.6	983.1	905.3	861.7	833.3	814.2	818.1
32.5°	917.7	845.3	792.8	756.6	735.6	721.3	721.0
35°	750.2	700.7	667.0	651.9	636.7	626.1	626.8
37.5°	642.0	612.3	593.6	576.8	567.3	562.1	559.2
40°	586.5	562.1	547.6	537.7	529.8	522.5	521.2
42.5°	542.8	522.5	508.1	500.2	492.8	487.8	486.4
45°	481.6	465.1	451.9	443.4	440.1	435.5	435.5
47.5°	428.4	412.2	401.9	396.6	390.9	387.8	387.7
50°	392.6	380.0	370.8	367.5	362.9	360.9	360.2
52.5°	360.4	351.0	344.4	342.2	340.2	337.7	338.1
55°	316.7	311.4	308.8	306.8	303.5	299.5	302.2
57.5°	279.9	275.4	268.3	262.1	259.1	256.2	257.4
60°	254.0	244.8	235.6	228.3	226.3	220.3	220.3
62.5°	221.3	208.4	197.0	193.0	191.0	188.2	187.6
65°	170.2	165.0	162.3	159.6	158.3	158.3	157.0
67.5°	141.0	139.0	136.0	135.3	134.1	133.7	133.3
70°	124.7	122.1	120.7	120.1	118.7	119.4	117.4
72.5°	108.8	106.8	106.5	104.8	104.0	104.1	102.6
75°	85.8	85.8	85.2	84.5	83.2	82.5	83.2
77.5°	66.0	66.1	64.9	64.8	64.7	64.8	64.1
80°	52.8	53.5	52.8	52.1	51.5	52.1	51.5
82.5°	41.7	40.8	40.6	40.6	40.4	40.0	39.9
85°	23.8	24.5	23.8	23.1	23.1	23.1	23.8
87.5°	14.7	14.7	14.6	14.7	14.7	14.8	14.3
90°	28.9	28.6	28.4	28.7	28.8	29.0	29.2
92.5°	27.6	27.6	27.7	27.7	27.7	27.8	27.8
95°	55.0	55.0	54.8	54.4	54.1	53.6	53.3
97.5°	92.5	92.5	92.5	92.4	92.4	92.3	92.3
100°	118.6	118.6	118.5	118.3	118.1	117.9	117.7
102.5°	147.2	147.4	147.3	147.1	147.0	146.8	146.6
105°	190.2	190.5	190.7	190.7	190.7	190.7	190.7
107.5°	236.1	236.2	235.8	235.0	234.1	233.2	232.3
110°	267.3	267.3	266.9	266.4	265.8	265.2	264.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.2	297.7	297.2	296.9	296.4	296.0	295.6
115°	346.6	346.4	345.9	345.4	344.8	344.2	343.7
117.5°	392.9	392.4	391.8	391.3	390.7	390.1	389.6
120°	424.5	424.5	424.2	423.6	423.0	422.5	421.9
122.5°	456.1	455.6	455.2	454.8	454.3	453.9	453.5
125°	503.5	502.9	502.6	502.4	502.1	502.0	501.8
127.5°	549.6	548.9	548.2	547.6	547.0	546.4	545.8
130°	581.4	581.0	580.5	579.7	578.9	578.2	577.4
132.5°	611.7	610.8	610.1	609.5	608.9	608.3	607.7
135°	657.6	657.4	657.0	656.4	655.9	655.3	654.7
137.5°	701.0	700.9	700.4	699.6	698.9	698.1	697.3
140°	730.4	730.4	730.0	729.2	728.4	727.7	726.9
142.5°	756.9	757.1	756.8	756.0	755.3	754.5	753.7
145°	797.1	797.3	797.0	796.3	795.5	794.7	793.9
147.5°	832.5	832.9	832.8	832.1	831.3	830.6	829.8
150°	855.0	855.5	855.5	855.0	854.4	853.8	853.3
152.5°	877.4	878.1	878.1	877.4	876.7	876.0	875.2
155°	905.9	906.9	907.1	906.5	905.9	905.3	904.7
157.5°	932.4	933.7	933.8	933.0	932.0	931.1	930.2
160°	947.7	948.9	949.1	948.3	947.5	946.8	946.0
162.5°	961.9	963.2	963.5	962.5	961.6	960.7	959.8
165°	980.1	981.5	981.6	980.7	979.7	978.8	977.8
167.5°	995.1	996.3	996.5	995.6	994.5	993.6	992.6
170°	1003.3	1004.6	1004.7	1003.6	1002.5	1001.3	1000.1
172.5°	1009.5	1010.8	1010.9	1009.8	1008.7	1007.5	1006.3
175°	1016.2	1017.5	1017.6	1016.5	1015.3	1014.2	1013.1
177.5°	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2

(END OF REPORT)