

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: P333599-935

Luminaire Tested: **S125RDIP-S1090D1035U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333599-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1090D1035U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6752.3 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

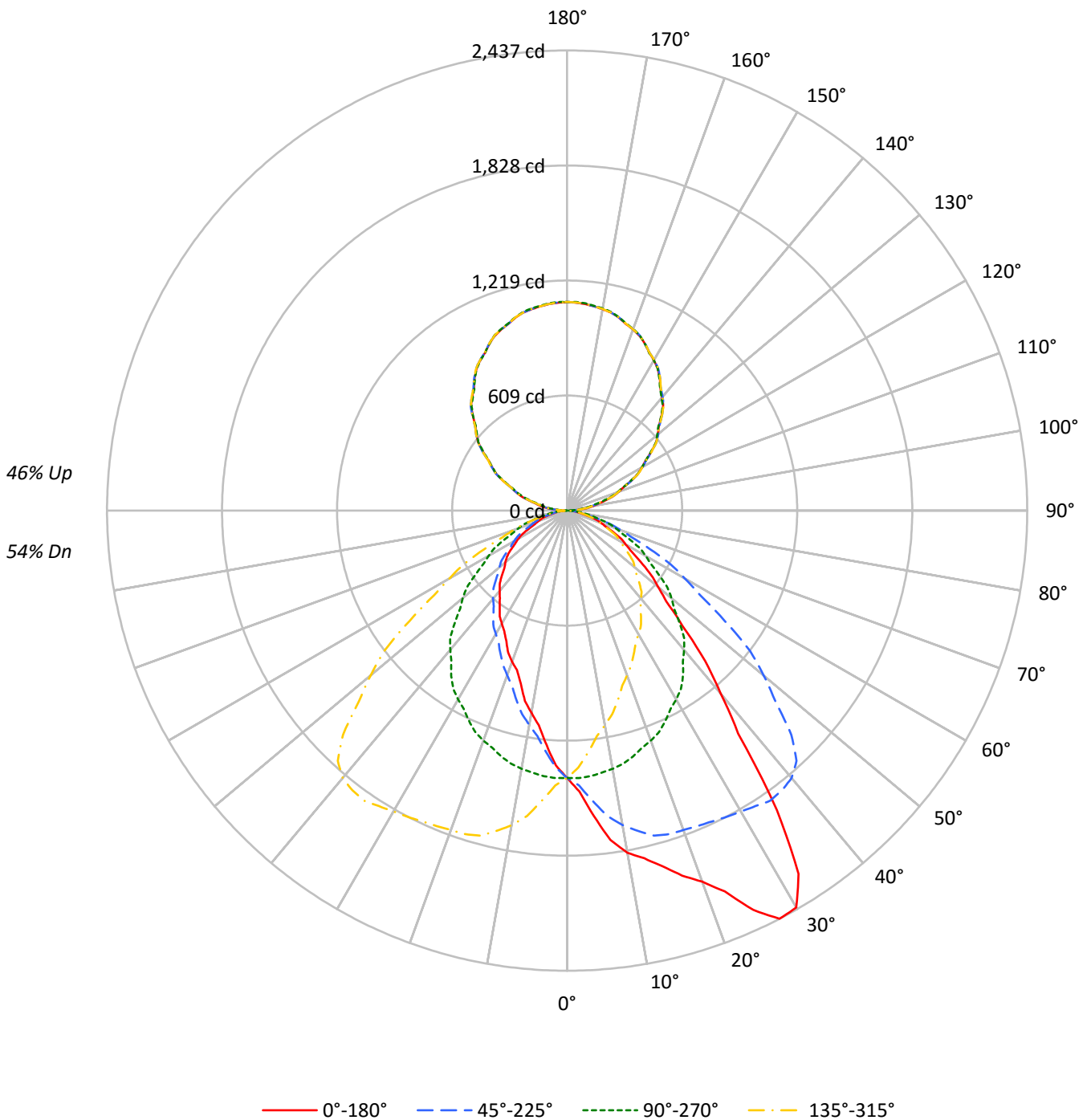
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	71	64	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	63	57	59	55	51	51	47	44	43	40	38	34
4	76	66	58	52	70	61	54	49	53	48	44	46	41	38	38	36	33	30
5	70	59	51	45	65	55	48	42	48	42	38	41	37	33	35	32	29	26
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	32	28	26	23
7	60	48	40	34	55	45	38	33	39	33	29	34	29	26	29	26	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	27	23	27	23	21	18
9	52	40	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9143	9143	9143	9143
5°	10519	9155	8085	9155
10°	12066	9108	7134	9108
15°	13032	9014	6341	9014
20°	14370	8906	5856	8906
25°	16631	8763	5433	8763
30°	18098	8611	5158	8611
35°	15266	8435	4902	8435
40°	10662	8118	4683	8118
45°	7909	7691	4469	7691
50°	6306	7246	4285	7246
55°	5353	6694	4122	6694
60°	4624	6200	3858	6200
65°	4121	5665	3321	5665
70°	3620	5189	3029	5189
75°	3132	4494	2842	4494
80°	2377	3782	2377	3782
85°	1979	2971	2238	2971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	2.0
10°-20°	397.8	5.9
20°-30°	630.8	9.3
30°-40°	760.7	11.3
40°-50°	679.3	10.1
50°-60°	520.9	7.7
60°-70°	338.5	5.0
70°-80°	164.6	2.4
80°-90°	41.7	0.6
90°-100°	74.0	1.1
100°-110°	218.5	3.2
110°-120°	370.0	5.5
120°-130°	487.0	7.2
130°-140°	545.7	8.1
140°-150°	534.8	7.9
150°-160°	449.2	6.7
160°-170°	298.6	4.4
170°-180°	104.5	1.5
0°-30°	1164.4	17.2
0°-40°	1925.0	28.5
0°-60°	3125.2	46.3
0°-90°	3670.1	54.4
90°-120°	662.5	9.8
90°-150°	2229.9	33.0
90°-180°	3082.0	45.6
0°-180°	6752.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1416	1416	1416	1416	1416	
5°	1622	1412	1247	1412	1622	162
15°	1949	1348	948	1348	1949	559
25°	2334	1230	762	1230	2334	1072
35°	1936	1070	622	1070	1936	1170
45°	866	842	489	842	866	691
55°	475	594	366	594	475	431
65°	270	371	217	371	270	268
75°	126	180	114	180	126	134
85°	27	40	30	40	27	31
90°	21	1	21	1	21	13
95°	74	56	74	56	74	75
105°	213	196	213	196	213	226
115°	374	370	374	370	374	370
125°	544	541	544	541	544	486
135°	706	703	706	703	706	544
145°	855	852	855	852	855	534
155°	975	975	975	975	975	449
165°	1057	1060	1057	1060	1057	298
175°	1098	1102	1098	1102	1098	104
180°	1105	1105	1105	1105	1105	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1489.1	1488.2	1490.0	1484.9	1485.4	1477.5	1477.5	1471.4	1463.5	1457.5	1454.7
5°	1622.5	1623.7	1621.3	1612.7	1606.8	1598.1	1588.2	1570.8	1556.3	1542.3	1531.3
7.5°	1759.9	1760.7	1753.0	1750.3	1735.7	1725.0	1703.1	1679.3	1658.3	1631.6	1611.1
10°	1839.9	1839.3	1831.1	1824.7	1812.0	1795.7	1774.2	1746.3	1720.1	1691.1	1663.2
12.5°	1886.4	1884.8	1882.2	1874.5	1862.6	1848.2	1830.0	1802.5	1770.3	1738.5	1706.0
15°	1949.1	1945.0	1937.5	1927.6	1910.7	1893.9	1873.5	1849.2	1818.3	1782.3	1752.1
17.5°	2026.7	2026.9	2015.3	2001.5	1978.6	1948.9	1917.4	1878.1	1836.3	1796.6	1764.4
20°	2090.9	2089.1	2077.5	2050.8	2024.6	1987.4	1951.5	1903.2	1852.0	1800.4	1760.2
22.5°	2183.0	2178.4	2166.3	2131.2	2090.7	2042.8	1987.7	1928.7	1866.9	1808.2	1755.6
25°	2333.8	2330.3	2306.4	2265.8	2208.9	2135.0	2063.0	1982.2	1893.3	1816.0	1752.1
27.5°	2437.0	2433.2	2415.5	2381.7	2329.2	2251.5	2154.0	2046.0	1935.0	1828.7	1736.6
30°	2426.8	2435.5	2433.2	2417.5	2378.0	2308.3	2218.2	2096.7	1964.8	1839.9	1730.0
32.5°	2280.8	2288.6	2309.0	2339.9	2342.2	2314.3	2247.0	2134.8	1998.3	1856.1	1724.9
35°	1936.3	1946.8	1986.3	2048.5	2129.9	2197.8	2211.7	2151.3	2028.7	1875.9	1717.3
37.5°	1488.6	1545.8	1579.1	1644.5	1767.5	1892.5	2012.8	2057.1	2004.8	1867.8	1704.8
40°	1264.6	1278.5	1337.7	1411.5	1515.0	1645.2	1816.6	1940.3	1944.5	1849.2	1685.2
42.5°	1082.3	1099.9	1140.7	1199.5	1288.1	1418.3	1595.3	1758.6	1834.3	1798.0	1659.7
45°	865.9	879.3	908.9	954.2	1022.2	1129.7	1281.9	1470.8	1620.7	1679.5	1591.1
47.5°	711.3	718.5	744.3	778.9	829.1	907.5	1025.4	1189.3	1369.2	1495.2	1482.8
50°	627.6	635.8	655.5	681.7	724.1	790.3	884.5	1021.1	1206.4	1360.4	1391.2
52.5°	562.5	569.3	581.6	606.3	641.4	692.2	768.3	891.8	1058.6	1222.4	1293.6
55°	475.4	480.0	489.9	503.9	531.8	568.3	634.0	719.5	854.3	1019.3	1123.9
57.5°	403.6	405.9	412.2	425.1	444.4	471.1	518.5	590.9	687.6	836.2	951.7
60°	358.0	360.3	368.4	377.1	392.3	416.6	453.8	504.4	597.4	720.1	836.8
62.5°	321.7	323.1	326.6	335.3	348.5	367.4	396.7	437.9	511.9	619.6	729.9
65°	269.7	270.2	271.4	278.4	286.5	300.4	319.6	348.7	404.5	485.9	583.4
67.5°	219.6	220.5	224.5	227.0	235.5	242.8	254.1	276.3	315.6	370.4	446.3
70°	191.7	191.2	195.3	198.2	201.0	209.8	217.3	235.4	259.8	301.6	365.0
72.5°	165.7	164.2	166.0	167.0	170.8	176.8	184.3	195.4	214.2	243.1	291.5
75°	125.5	126.1	126.1	127.3	130.2	132.5	134.8	140.6	151.1	170.3	196.4
77.5°	88.1	87.1	89.6	90.0	91.7	94.3	96.3	98.6	102.9	110.7	124.2
80°	63.9	63.9	64.5	66.2	65.7	66.8	69.7	72.1	77.3	82.0	86.6
82.5°	49.1	48.6	49.2	49.5	49.4	50.5	51.6	52.1	54.1	56.4	59.6
85°	26.7	26.7	27.3	27.3	27.9	27.9	28.5	28.5	28.5	29.0	29.6
87.5°	14.4	13.8	13.2	13.1	13.4	14.2	13.5	12.9	12.7	12.5	12.7
90°	20.7	20.1	19.5	18.9	18.3	17.6	16.6	15.7	14.7	13.8	12.4
92.5°	40.6	40.1	39.7	39.3	38.9	38.1	36.8	35.6	34.3	33.0	31.3
95°	74.0	73.5	73.2	72.8	72.4	71.5	70.2	68.9	67.5	66.2	64.3
97.5°	112.1	111.8	111.7	111.4	111.2	110.5	109.2	107.9	106.7	105.4	102.7
100°	140.9	140.6	140.2	139.8	139.5	138.4	136.6	134.9	133.2	131.5	129.1
102.5°	169.9	169.4	168.8	168.2	167.7	166.5	164.6	162.7	160.9	159.0	157.7
105°	213.2	212.6	212.1	211.5	210.9	210.0	208.9	207.8	206.6	205.4	204.3
107.5°	257.5	257.6	257.6	257.6	257.7	257.4	256.8	256.2	255.7	255.1	254.3
110°	290.5	290.8	290.9	291.1	291.3	291.1	290.5	290.0	289.4	288.8	288.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	322.9	323.2	323.6	323.9	324.3	324.3	324.0	323.7	323.5	323.2	322.4
115°	373.9	374.1	374.3	374.4	374.7	374.9	375.1	375.2	375.5	375.7	375.2
117.5°	423.8	424.6	425.3	426.0	426.8	427.1	427.0	426.8	426.7	426.5	426.2
120°	458.1	458.9	459.7	460.5	461.2	461.6	461.6	461.6	461.6	461.6	461.4
122.5°	492.6	493.2	493.8	494.4	495.0	495.3	495.5	495.7	495.8	495.9	495.5
125°	544.2	544.3	544.5	544.7	544.8	545.2	545.5	546.0	546.3	546.7	546.5
127.5°	593.7	594.0	594.3	594.8	595.1	595.5	595.6	595.8	596.0	596.2	596.0
130°	626.6	627.0	627.4	627.8	628.2	628.4	628.6	628.8	629.0	629.2	628.8
132.5°	657.5	658.1	658.7	659.2	659.7	660.0	660.3	660.5	660.6	660.8	660.9
135°	705.7	706.5	707.2	708.0	708.8	709.1	709.1	709.1	709.1	709.1	708.9
137.5°	752.9	753.8	754.8	755.7	756.6	757.0	756.7	756.6	756.3	756.0	755.7
140°	783.1	784.0	785.0	785.9	786.9	787.2	786.8	786.4	786.0	785.7	785.1
142.5°	811.9	813.0	813.9	814.9	815.8	816.1	815.9	815.7	815.5	815.2	814.5
145°	855.3	855.8	856.4	857.0	857.6	857.9	857.9	857.9	857.9	857.9	857.3
147.5°	892.3	893.5	894.8	896.1	897.4	897.9	897.4	896.9	896.5	896.0	895.5
150°	919.7	920.2	920.5	920.9	921.3	921.4	921.4	921.4	921.4	921.4	920.7
152.5°	942.5	943.1	943.8	944.5	945.2	945.3	944.9	944.4	943.9	943.5	943.1
155°	974.7	975.7	976.6	977.7	978.6	978.7	977.9	977.1	976.4	975.6	975.4
157.5°	1001.8	1003.0	1004.3	1005.6	1006.8	1007.0	1006.3	1005.5	1004.8	1004.0	1003.8
160°	1020.3	1021.3	1022.3	1023.2	1024.2	1024.2	1023.5	1022.7	1021.9	1021.1	1021.0
162.5°	1036.1	1037.2	1038.4	1039.5	1040.6	1040.7	1039.7	1038.8	1037.9	1037.0	1037.0
165°	1057.3	1058.4	1059.5	1060.8	1061.9	1062.0	1061.3	1060.5	1059.8	1059.0	1058.8
167.5°	1074.1	1075.3	1076.5	1077.7	1078.8	1078.9	1077.7	1076.6	1075.5	1074.3	1074.3
170°	1083.1	1084.4	1085.7	1087.1	1088.4	1088.5	1087.4	1086.2	1085.1	1083.9	1083.9
172.5°	1090.6	1091.8	1093.0	1094.2	1095.4	1095.4	1094.2	1093.1	1091.9	1090.8	1090.8
175°	1097.7	1099.0	1100.4	1101.7	1103.0	1103.1	1102.0	1100.9	1099.7	1098.5	1098.5
177.5°	1101.8	1102.9	1104.0	1105.0	1106.1	1106.1	1105.3	1104.3	1103.5	1102.5	1102.7
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1454.7	1451.4	1445.4	1439.8	1432.8	1426.8	1422.6	1417.5	1411.0	1403.1	1396.5
5°	1519.1	1506.2	1489.4	1474.9	1456.3	1441.7	1426.7	1412.1	1397.6	1379.0	1362.7
7.5°	1590.4	1564.0	1538.3	1506.1	1476.8	1450.6	1425.5	1400.1	1375.2	1348.8	1323.4
10°	1634.1	1602.1	1566.7	1526.0	1488.8	1453.4	1420.8	1388.9	1355.2	1325.5	1293.6
12.5°	1675.1	1633.7	1593.2	1541.9	1497.2	1453.9	1412.5	1372.6	1336.6	1298.1	1263.9
15°	1712.0	1671.3	1626.0	1563.2	1501.1	1448.7	1399.9	1348.2	1303.5	1260.4	1222.1
17.5°	1726.3	1683.6	1631.0	1570.6	1502.7	1436.9	1374.0	1317.3	1264.6	1214.5	1171.4
20°	1720.7	1679.5	1625.4	1567.9	1495.2	1426.7	1358.7	1295.9	1237.3	1184.3	1138.4
22.5°	1707.2	1664.6	1612.4	1551.6	1482.6	1409.9	1337.3	1270.3	1208.8	1154.1	1104.1
25°	1687.0	1628.9	1575.5	1516.1	1450.5	1378.5	1303.5	1229.7	1164.0	1108.2	1053.6
27.5°	1665.9	1593.5	1525.4	1466.5	1397.1	1332.8	1260.6	1184.9	1115.9	1059.0	1003.0
30°	1646.9	1565.6	1490.6	1423.7	1358.1	1297.1	1228.5	1154.7	1083.8	1025.1	968.2
32.5°	1623.2	1536.7	1454.3	1377.3	1313.9	1253.4	1191.3	1120.8	1051.7	991.2	933.3
35°	1593.5	1483.1	1393.5	1311.6	1241.3	1182.6	1126.8	1069.9	1000.7	938.0	881.6
37.5°	1554.4	1429.1	1325.5	1236.3	1162.1	1103.2	1059.1	1007.1	944.0	883.9	831.6
40°	1530.7	1390.1	1276.7	1188.4	1110.5	1048.4	1007.1	962.9	905.4	849.0	796.7
42.5°	1499.1	1354.3	1227.4	1135.4	1057.0	997.2	955.5	916.9	868.7	815.5	759.5
45°	1437.1	1284.9	1151.8	1053.0	974.0	915.2	876.3	842.1	805.5	756.6	707.8
47.5°	1356.4	1212.5	1073.2	965.4	887.9	833.4	795.7	768.6	742.4	700.9	653.5
50°	1291.8	1153.0	1016.9	912.4	829.8	778.1	742.7	721.2	697.3	659.6	620.1
52.5°	1215.6	1091.6	958.4	851.4	773.6	725.1	691.0	669.6	650.0	619.1	581.4
55°	1095.5	986.8	864.7	767.7	696.2	647.4	614.8	594.5	582.9	556.7	527.1
57.5°	956.7	878.9	771.3	677.7	614.5	566.3	542.4	525.1	512.0	493.5	472.6
60°	860.1	805.5	708.9	620.1	562.0	516.0	494.6	480.0	467.8	452.1	435.8
62.5°	762.0	722.2	638.3	562.0	508.5	470.0	449.9	436.8	422.8	412.2	396.3
65°	630.5	595.0	536.9	477.1	427.7	396.9	382.4	370.7	362.1	350.4	339.4
67.5°	490.5	476.0	435.9	394.7	359.2	331.8	319.3	311.2	300.7	293.7	286.1
70°	404.5	397.5	369.0	341.7	308.6	290.0	278.4	274.8	262.1	255.1	249.9
72.5°	328.2	324.9	308.6	289.6	266.3	250.0	239.3	235.4	227.2	221.6	218.3
75°	224.9	226.1	223.2	210.9	202.2	191.7	182.4	180.1	174.4	169.7	166.8
77.5°	142.2	148.2	148.4	147.8	144.4	137.9	134.1	132.4	126.7	124.9	124.2
80°	97.6	104.0	109.9	109.3	108.1	106.3	103.4	101.7	98.8	97.0	95.9
82.5°	65.1	71.0	75.9	79.0	78.8	77.1	75.1	74.3	73.7	72.4	72.2
85°	30.8	31.9	33.7	37.8	40.6	41.2	40.6	40.1	38.3	38.9	39.5
87.5°	12.9	12.7	12.8	12.6	11.8	13.8	14.9	15.1	14.5	13.8	13.2
90°	11.1	9.7	8.4	7.0	5.4	3.9	2.4	0.9	2.4	3.9	5.4
92.5°	29.7	28.1	26.4	25.1	24.0	22.9	21.9	20.8	21.9	22.9	24.0
95°	62.3	60.4	58.5	57.4	57.0	56.7	56.2	55.9	56.2	56.7	57.0
97.5°	100.1	97.5	94.9	93.4	93.3	93.2	93.0	92.8	93.0	93.2	93.3
100°	126.6	124.1	121.6	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
102.5°	156.5	155.2	153.9	153.0	152.2	151.4	150.7	149.9	150.7	151.4	152.2
105°	203.1	202.0	200.9	199.8	198.9	197.9	196.9	196.0	196.9	197.9	198.9
107.5°	253.4	252.4	251.6	250.7	249.8	248.7	247.8	246.8	247.8	248.7	249.8
110°	287.7	287.1	286.5	285.8	284.8	283.9	282.9	282.0	282.9	283.9	284.8



TEST NUMBER: P333599-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	321.8	321.1	320.3	319.7	319.2	318.7	318.2	317.7	318.2	318.7	319.2
115°	374.9	374.4	374.1	373.5	372.8	372.0	371.3	370.5	371.3	372.0	372.8
117.5°	425.9	425.5	425.2	424.8	424.5	424.1	423.8	423.4	423.8	424.1	424.5
120°	461.2	461.0	460.8	460.3	459.3	458.3	457.4	456.4	457.4	458.3	459.3
122.5°	495.0	494.5	494.0	493.6	493.3	492.9	492.6	492.2	492.6	492.9	493.3
125°	546.3	546.1	546.0	545.3	544.2	542.9	541.8	540.7	541.8	542.9	544.2
127.5°	595.7	595.6	595.3	594.9	594.2	593.6	592.9	592.3	592.9	593.6	594.2
130°	628.4	628.1	627.7	627.0	626.0	625.1	624.1	623.2	624.1	625.1	626.0
132.5°	661.0	661.1	661.2	660.4	658.8	657.3	655.7	654.1	655.7	657.3	658.8
135°	708.8	708.6	708.4	707.7	706.5	705.4	704.3	703.2	704.3	705.4	706.5
137.5°	755.3	754.8	754.4	753.6	752.5	751.4	750.3	749.2	750.3	751.4	752.5
140°	784.5	783.9	783.3	782.6	781.6	780.7	779.7	778.8	779.7	780.7	781.6
142.5°	813.8	813.0	812.4	811.6	810.7	809.9	809.2	808.3	809.2	809.9	810.7
145°	856.7	856.2	855.6	854.9	854.1	853.3	852.6	851.9	852.6	853.3	854.1
147.5°	895.1	894.7	894.2	893.7	893.4	892.9	892.5	892.1	892.5	892.9	893.4
150°	920.0	919.2	918.4	918.2	918.3	918.5	918.7	918.9	918.7	918.5	918.3
152.5°	942.9	942.5	942.3	941.9	941.7	941.4	941.2	940.9	941.2	941.4	941.7
155°	975.3	975.1	974.8	974.7	974.7	974.7	974.7	974.7	974.7	974.7	974.7
157.5°	1003.6	1003.4	1003.2	1003.3	1003.8	1004.2	1004.6	1005.0	1004.6	1004.2	1003.8
160°	1020.8	1020.6	1020.5	1020.6	1021.1	1021.7	1022.4	1022.9	1022.4	1021.7	1021.1
162.5°	1036.9	1036.9	1036.8	1037.1	1037.4	1037.8	1038.3	1038.7	1038.3	1037.8	1037.4
165°	1058.6	1058.4	1058.3	1058.3	1058.7	1059.1	1059.5	1059.9	1059.5	1059.1	1058.7
167.5°	1074.3	1074.3	1074.3	1074.7	1075.5	1076.2	1076.9	1077.7	1076.9	1076.2	1075.5
170°	1083.9	1083.9	1083.9	1084.3	1085.1	1085.8	1086.6	1087.4	1086.6	1085.8	1085.1
172.5°	1090.8	1090.8	1090.8	1091.2	1091.9	1092.7	1093.5	1094.2	1093.5	1092.7	1091.9
175°	1098.5	1098.5	1098.5	1098.9	1099.7	1100.4	1101.2	1102.0	1101.2	1100.4	1099.7
177.5°	1102.8	1102.9	1103.1	1103.5	1104.1	1104.7	1105.4	1106.0	1105.4	1104.7	1104.1
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



TEST NUMBER: P333599-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1391.9	1385.4	1380.8	1371.5	1364.9	1362.2	1357.0	1355.6	1360.7	1357.0	1356.6
5°	1350.6	1333.7	1320.3	1306.9	1292.4	1283.1	1269.2	1266.9	1263.3	1258.1	1257.0
7.5°	1300.9	1278.9	1261.7	1239.7	1220.5	1205.1	1187.6	1179.3	1174.8	1168.0	1159.0
10°	1267.4	1241.3	1218.1	1195.9	1172.2	1153.0	1135.5	1122.1	1113.4	1105.3	1101.8
12.5°	1234.4	1207.8	1178.0	1151.3	1124.7	1103.2	1083.9	1075.2	1065.6	1056.0	1047.9
15°	1183.2	1147.7	1115.2	1084.3	1061.7	1038.5	1019.9	1007.1	992.6	988.5	972.8
17.5°	1128.8	1094.0	1055.9	1023.5	997.2	971.6	951.1	936.7	925.7	910.8	903.5
20°	1094.8	1053.6	1016.4	986.8	957.7	927.5	906.5	894.3	883.9	871.7	865.9
22.5°	1058.6	1018.2	980.2	945.4	915.8	886.1	871.2	858.6	846.7	835.4	827.8
25°	1005.3	964.7	924.5	888.6	857.7	836.2	818.8	804.3	797.9	786.9	778.7
27.5°	952.7	909.5	867.9	831.9	807.8	786.5	772.2	760.7	749.2	739.5	732.5
30°	918.8	874.6	829.2	800.8	775.2	754.8	739.2	728.1	719.5	710.8	705.5
32.5°	884.8	839.3	799.0	768.3	744.1	726.5	710.3	699.8	690.6	681.0	674.8
35°	830.4	783.9	751.4	721.2	697.3	681.1	670.0	655.0	647.4	640.4	634.0
37.5°	779.9	736.7	701.5	674.9	654.2	638.1	623.8	615.6	606.3	600.0	594.7
40°	742.7	703.2	671.2	643.3	628.2	610.2	596.8	586.3	579.4	571.3	565.4
42.5°	709.2	672.4	641.4	616.3	597.5	582.3	569.4	559.0	550.1	544.3	539.4
45°	661.9	625.3	595.0	571.8	554.4	539.8	526.5	521.2	509.6	502.7	500.3
47.5°	612.9	580.2	551.0	529.6	511.8	498.0	485.4	474.8	468.4	461.5	457.8
50°	580.0	548.5	521.2	500.3	482.9	467.8	456.2	449.2	440.5	434.1	429.5
52.5°	547.0	517.9	490.6	470.6	455.5	440.4	427.4	420.4	412.2	408.0	404.8
55°	499.8	469.0	445.7	425.9	410.3	396.3	384.1	377.1	372.0	367.8	366.7
57.5°	446.3	421.9	400.3	382.5	366.2	353.1	342.4	335.8	331.1	330.5	327.1
60°	411.5	389.3	369.6	350.4	336.5	324.3	315.0	307.4	302.7	302.2	301.0
62.5°	376.6	355.4	337.1	320.2	307.6	295.9	287.1	278.6	275.8	272.9	270.4
65°	324.9	305.7	290.6	277.2	263.8	253.9	245.2	240.0	233.6	230.1	223.8
67.5°	274.1	259.2	244.7	233.4	222.9	213.5	206.3	198.5	194.2	191.4	186.8
70°	240.6	228.9	214.5	202.2	194.1	186.6	180.7	172.0	169.1	166.8	164.5
72.5°	209.0	198.7	186.6	176.7	168.5	161.4	154.7	150.6	147.7	145.4	144.0
75°	164.5	154.5	144.1	137.2	131.3	125.5	122.0	119.2	118.0	117.4	115.0
77.5°	120.8	115.5	107.2	101.6	97.7	95.4	92.3	90.7	90.7	88.1	87.3
80°	92.4	89.5	82.5	80.2	77.3	75.0	73.2	70.3	67.4	66.2	64.5
82.5°	68.7	65.8	63.0	59.2	56.8	55.4	53.7	52.6	53.0	51.4	50.5
85°	36.6	33.7	32.5	31.9	30.8	31.9	31.3	30.8	30.2	29.6	30.2
87.5°	13.0	13.3	13.1	14.3	13.2	13.9	14.1	13.9	14.0	14.2	13.9
90°	7.0	8.4	9.7	11.1	12.4	13.8	14.7	15.7	16.6	17.6	18.3
92.5°	25.1	26.4	28.1	29.7	31.3	33.0	34.3	35.6	36.8	38.1	38.9
95°	57.4	58.5	60.4	62.3	64.3	66.2	67.5	68.9	70.2	71.5	72.4
97.5°	93.4	94.9	97.5	100.1	102.7	105.4	106.7	107.9	109.2	110.5	111.2
100°	120.4	121.6	124.1	126.6	129.1	131.5	133.2	134.9	136.6	138.4	139.5
102.5°	153.0	153.9	155.2	156.5	157.7	159.0	160.9	162.7	164.6	166.5	167.7
105°	199.8	200.9	202.0	203.1	204.3	205.4	206.6	207.8	208.9	210.0	210.9
107.5°	250.7	251.6	252.4	253.4	254.3	255.1	255.7	256.2	256.8	257.4	257.7
110°	285.8	286.5	287.1	287.7	288.3	288.8	289.4	290.0	290.5	291.1	291.3



TEST NUMBER: P333599-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	319.7	320.3	321.1	321.8	322.4	323.2	323.5	323.7	324.0	324.3	324.3
115°	373.5	374.1	374.4	374.9	375.2	375.7	375.5	375.2	375.1	374.9	374.7
117.5°	424.8	425.2	425.5	425.9	426.2	426.5	426.7	426.8	427.0	427.1	426.8
120°	460.3	460.8	461.0	461.2	461.4	461.6	461.6	461.6	461.6	461.6	461.2
122.5°	493.6	494.0	494.5	495.0	495.5	495.9	495.8	495.7	495.5	495.3	495.0
125°	545.3	546.0	546.1	546.3	546.5	546.7	546.3	546.0	545.5	545.2	544.8
127.5°	594.9	595.3	595.6	595.7	596.0	596.2	596.0	595.8	595.6	595.5	595.1
130°	627.0	627.7	628.1	628.4	628.8	629.2	629.0	628.8	628.6	628.4	628.2
132.5°	660.4	661.2	661.1	661.0	660.9	660.8	660.6	660.5	660.3	660.0	659.7
135°	707.7	708.4	708.6	708.8	708.9	709.1	709.1	709.1	709.1	709.1	708.8
137.5°	753.6	754.4	754.8	755.3	755.7	756.0	756.3	756.6	756.7	757.0	756.6
140°	782.6	783.3	783.9	784.5	785.1	785.7	786.0	786.4	786.8	787.2	786.9
142.5°	811.6	812.4	813.0	813.8	814.5	815.2	815.5	815.7	815.9	816.1	815.8
145°	854.9	855.6	856.2	856.7	857.3	857.9	857.9	857.9	857.9	857.9	857.6
147.5°	893.7	894.2	894.7	895.1	895.5	896.0	896.5	896.9	897.4	897.9	897.4
150°	918.2	918.4	919.2	920.0	920.7	921.4	921.4	921.4	921.4	921.4	921.3
152.5°	941.9	942.3	942.5	942.9	943.1	943.5	943.9	944.4	944.9	945.3	945.2
155°	974.7	974.8	975.1	975.3	975.4	975.6	976.4	977.1	977.9	978.7	978.6
157.5°	1003.3	1003.2	1003.4	1003.6	1003.8	1004.0	1004.8	1005.5	1006.3	1007.0	1006.8
160°	1020.6	1020.5	1020.6	1020.8	1021.0	1021.1	1021.9	1022.7	1023.5	1024.2	1024.2
162.5°	1037.1	1036.8	1036.9	1036.9	1037.0	1037.0	1037.9	1038.8	1039.7	1040.7	1040.6
165°	1058.3	1058.3	1058.4	1058.6	1058.8	1059.0	1059.8	1060.5	1061.3	1062.0	1061.9
167.5°	1074.7	1074.3	1074.3	1074.3	1074.3	1074.3	1075.5	1076.6	1077.7	1078.9	1078.8
170°	1084.3	1083.9	1083.9	1083.9	1083.9	1083.9	1085.1	1086.2	1087.4	1088.5	1088.4
172.5°	1091.2	1090.8	1090.8	1090.8	1090.8	1090.8	1091.9	1093.1	1094.2	1095.4	1095.4
175°	1098.9	1098.5	1098.5	1098.5	1098.5	1098.5	1099.7	1100.9	1102.0	1103.1	1103.0
177.5°	1103.5	1103.1	1102.9	1102.8	1102.7	1102.5	1103.5	1104.3	1105.3	1106.1	1106.1
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1356.1	1351.0	1349.6	1351.4	1349.6	1351.0	1356.1	1356.6	1357.0	1360.7	1355.6
5°	1251.2	1245.4	1248.3	1247.1	1248.3	1245.4	1251.2	1257.0	1258.1	1263.3	1266.9
7.5°	1158.9	1151.7	1144.0	1146.4	1144.0	1151.7	1158.9	1159.0	1168.0	1174.8	1179.3
10°	1094.2	1088.5	1084.9	1087.9	1084.9	1088.5	1094.2	1101.8	1105.3	1113.4	1122.1
12.5°	1039.8	1036.4	1033.4	1032.1	1033.4	1036.4	1039.8	1047.9	1056.0	1065.6	1075.2
15°	965.9	958.9	956.0	948.4	956.0	958.9	965.9	972.8	988.5	992.6	1007.1
17.5°	897.6	895.3	887.7	884.5	887.7	895.3	897.6	903.5	910.8	925.7	936.7
20°	857.1	854.8	847.3	852.0	847.3	854.8	857.1	865.9	871.7	883.9	894.3
22.5°	823.7	818.6	816.1	814.8	816.1	818.6	823.7	827.8	835.4	846.7	858.6
25°	776.4	768.8	765.9	762.4	765.9	768.8	776.4	778.7	786.9	797.9	804.3
27.5°	729.2	725.1	721.3	720.4	721.3	725.1	729.2	732.5	739.5	749.2	760.7
30°	698.5	694.5	691.6	691.6	691.6	694.5	698.5	705.5	710.8	719.5	728.1
32.5°	671.1	668.0	665.0	664.6	665.0	668.0	671.1	674.8	681.0	690.6	699.8
35°	631.1	626.5	625.3	621.8	625.3	626.5	631.1	634.0	640.4	647.4	655.0
37.5°	589.6	585.7	585.7	585.3	585.7	585.7	589.6	594.7	600.0	606.3	615.6
40°	563.1	560.2	559.6	555.5	559.6	560.2	563.1	565.4	571.3	579.4	586.3
42.5°	534.8	533.2	531.2	529.5	531.2	533.2	534.8	539.4	544.3	550.1	559.0
45°	496.3	492.2	492.2	489.3	492.2	492.2	496.3	500.3	502.7	509.6	521.2
47.5°	456.5	453.4	453.7	450.7	453.7	453.4	456.5	457.8	461.5	468.4	474.8
50°	430.1	428.3	427.7	426.5	427.7	428.3	430.1	429.5	434.1	440.5	449.2
52.5°	403.6	402.7	404.9	402.3	404.9	402.7	403.6	404.8	408.0	412.2	420.4
55°	367.8	366.1	369.6	366.1	369.6	366.1	367.8	366.7	367.8	372.0	377.1
57.5°	326.8	325.2	328.3	326.6	328.3	325.2	326.8	327.1	330.5	331.1	335.8
60°	299.9	296.4	298.1	298.7	298.1	296.4	299.9	301.0	302.2	302.7	307.4
62.5°	267.8	265.7	267.0	264.3	267.0	265.7	267.8	270.4	272.9	275.8	278.6
65°	222.6	220.8	218.5	217.3	218.5	220.8	222.6	223.8	230.1	233.6	240.0
67.5°	187.0	182.8	182.7	183.7	182.7	182.8	187.0	186.8	191.4	194.2	198.5
70°	161.0	161.0	160.4	160.4	160.4	161.0	161.0	164.5	166.8	169.1	172.0
72.5°	142.8	142.4	141.3	140.9	141.3	142.4	142.8	144.0	145.4	147.7	150.6
75°	115.0	115.6	114.5	113.9	114.5	115.6	115.0	115.0	117.4	118.0	119.2
77.5°	85.0	82.5	83.8	82.5	83.8	82.5	85.0	87.3	88.1	90.7	90.7
80°	64.5	63.9	65.7	63.9	65.7	63.9	64.5	64.5	66.2	67.4	70.3
82.5°	51.1	50.5	51.2	49.9	51.2	50.5	51.1	50.5	51.4	53.0	52.6
85°	30.8	30.2	29.6	30.2	29.6	30.2	30.8	30.2	29.6	30.2	30.8
87.5°	14.5	14.1	14.2	14.4	14.2	14.1	14.5	13.9	14.2	14.0	13.9
90°	18.9	19.5	20.1	20.7	20.1	19.5	18.9	18.3	17.6	16.6	15.7
92.5°	39.3	39.7	40.1	40.6	40.1	39.7	39.3	38.9	38.1	36.8	35.6
95°	72.8	73.2	73.5	74.0	73.5	73.2	72.8	72.4	71.5	70.2	68.9
97.5°	111.4	111.7	111.8	112.1	111.8	111.7	111.4	111.2	110.5	109.2	107.9
100°	139.8	140.2	140.6	140.9	140.6	140.2	139.8	139.5	138.4	136.6	134.9
102.5°	168.2	168.8	169.4	169.9	169.4	168.8	168.2	167.7	166.5	164.6	162.7
105°	211.5	212.1	212.6	213.2	212.6	212.1	211.5	210.9	210.0	208.9	207.8
107.5°	257.6	257.6	257.6	257.5	257.6	257.6	257.6	257.7	257.4	256.8	256.2
110°	291.1	290.9	290.8	290.5	290.8	290.9	291.1	291.3	291.1	290.5	290.0



TEST NUMBER: P333599-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	323.9	323.6	323.2	322.9	323.2	323.6	323.9	324.3	324.3	324.0	323.7
115°	374.4	374.3	374.1	373.9	374.1	374.3	374.4	374.7	374.9	375.1	375.2
117.5°	426.0	425.3	424.6	423.8	424.6	425.3	426.0	426.8	427.1	427.0	426.8
120°	460.5	459.7	458.9	458.1	458.9	459.7	460.5	461.2	461.6	461.6	461.6
122.5°	494.4	493.8	493.2	492.6	493.2	493.8	494.4	495.0	495.3	495.5	495.7
125°	544.7	544.5	544.3	544.2	544.3	544.5	544.7	544.8	545.2	545.5	546.0
127.5°	594.8	594.3	594.0	593.7	594.0	594.3	594.8	595.1	595.5	595.6	595.8
130°	627.8	627.4	627.0	626.6	627.0	627.4	627.8	628.2	628.4	628.6	628.8
132.5°	659.2	658.7	658.1	657.5	658.1	658.7	659.2	659.7	660.0	660.3	660.5
135°	708.0	707.2	706.5	705.7	706.5	707.2	708.0	708.8	709.1	709.1	709.1
137.5°	755.7	754.8	753.8	752.9	753.8	754.8	755.7	756.6	757.0	756.7	756.6
140°	785.9	785.0	784.0	783.1	784.0	785.0	785.9	786.9	787.2	786.8	786.4
142.5°	814.9	813.9	813.0	811.9	813.0	813.9	814.9	815.8	816.1	815.9	815.7
145°	857.0	856.4	855.8	855.3	855.8	856.4	857.0	857.6	857.9	857.9	857.9
147.5°	896.1	894.8	893.5	892.3	893.5	894.8	896.1	897.4	897.9	897.4	896.9
150°	920.9	920.5	920.2	919.7	920.2	920.5	920.9	921.3	921.4	921.4	921.4
152.5°	944.5	943.8	943.1	942.5	943.1	943.8	944.5	945.2	945.3	944.9	944.4
155°	977.7	976.6	975.7	974.7	975.7	976.6	977.7	978.6	978.7	977.9	977.1
157.5°	1005.6	1004.3	1003.0	1001.8	1003.0	1004.3	1005.6	1006.8	1007.0	1006.3	1005.5
160°	1023.2	1022.3	1021.3	1020.3	1021.3	1022.3	1023.2	1024.2	1024.2	1023.5	1022.7
162.5°	1039.5	1038.4	1037.2	1036.1	1037.2	1038.4	1039.5	1040.6	1040.7	1039.7	1038.8
165°	1060.8	1059.5	1058.4	1057.3	1058.4	1059.5	1060.8	1061.9	1062.0	1061.3	1060.5
167.5°	1077.7	1076.5	1075.3	1074.1	1075.3	1076.5	1077.7	1078.8	1078.9	1077.7	1076.6
170°	1087.1	1085.7	1084.4	1083.1	1084.4	1085.7	1087.1	1088.4	1088.5	1087.4	1086.2
172.5°	1094.2	1093.0	1091.8	1090.6	1091.8	1093.0	1094.2	1095.4	1095.4	1094.2	1093.1
175°	1101.7	1100.4	1099.0	1097.7	1099.0	1100.4	1101.7	1103.0	1103.1	1102.0	1100.9
177.5°	1105.0	1104.0	1102.9	1101.8	1102.9	1104.0	1105.0	1106.1	1106.1	1105.3	1104.3
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



TEST NUMBER: P333599-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1357.0	1362.2	1364.9	1371.5	1380.8	1385.4	1391.9	1396.5	1403.1	1411.0	1417.5
5°	1269.2	1283.1	1292.4	1306.9	1320.3	1333.7	1350.6	1362.7	1379.0	1397.6	1412.1
7.5°	1187.6	1205.1	1220.5	1239.7	1261.7	1278.9	1300.9	1323.4	1348.8	1375.2	1400.1
10°	1135.5	1153.0	1172.2	1195.9	1218.1	1241.3	1267.4	1293.6	1325.5	1355.2	1388.9
12.5°	1083.9	1103.2	1124.7	1151.3	1178.0	1207.8	1234.4	1263.9	1298.1	1336.6	1372.6
15°	1019.9	1038.5	1061.7	1084.3	1115.2	1147.7	1183.2	1222.1	1260.4	1303.5	1348.2
17.5°	951.1	971.6	997.2	1023.5	1055.9	1094.0	1128.8	1171.4	1214.5	1264.6	1317.3
20°	906.5	927.5	957.7	986.8	1016.4	1053.6	1094.8	1138.4	1184.3	1237.3	1295.9
22.5°	871.2	886.1	915.8	945.4	980.2	1018.2	1058.6	1104.1	1154.1	1208.8	1270.3
25°	818.8	836.2	857.7	888.6	924.5	964.7	1005.3	1053.6	1108.2	1164.0	1229.7
27.5°	772.2	786.5	807.8	831.9	867.9	909.5	952.7	1003.0	1059.0	1115.9	1184.9
30°	739.2	754.8	775.2	800.8	829.2	874.6	918.8	968.2	1025.1	1083.8	1154.7
32.5°	710.3	726.5	744.1	768.3	799.0	839.3	884.8	933.3	991.2	1051.7	1120.8
35°	670.0	681.1	697.3	721.2	751.4	783.9	830.4	881.6	938.0	1000.7	1069.9
37.5°	623.8	638.1	654.2	674.9	701.5	736.7	779.9	831.6	883.9	944.0	1007.1
40°	596.8	610.2	628.2	643.3	671.2	703.2	742.7	796.7	849.0	905.4	962.9
42.5°	569.4	582.3	597.5	616.3	641.4	672.4	709.2	759.5	815.5	868.7	916.9
45°	526.5	539.8	554.4	571.8	595.0	625.3	661.9	707.8	756.6	805.5	842.1
47.5°	485.4	498.0	511.8	529.6	551.0	580.2	612.9	653.5	700.9	742.4	768.6
50°	456.2	467.8	482.9	500.3	521.2	548.5	580.0	620.1	659.6	697.3	721.2
52.5°	427.4	440.4	455.5	470.6	490.6	517.9	547.0	581.4	619.1	650.0	669.6
55°	384.1	396.3	410.3	425.9	445.7	469.0	499.8	527.1	556.7	582.9	594.5
57.5°	342.4	353.1	366.2	382.5	400.3	421.9	446.3	472.6	493.5	512.0	525.1
60°	315.0	324.3	336.5	350.4	369.6	389.3	411.5	435.8	452.1	467.8	480.0
62.5°	287.1	295.9	307.6	320.2	337.1	355.4	376.6	396.3	412.2	422.8	436.8
65°	245.2	253.9	263.8	277.2	290.6	305.7	324.9	339.4	350.4	362.1	370.7
67.5°	206.3	213.5	222.9	233.4	244.7	259.2	274.1	286.1	293.7	300.7	311.2
70°	180.7	186.6	194.1	202.2	214.5	228.9	240.6	249.9	255.1	262.1	274.8
72.5°	154.7	161.4	168.5	176.7	186.6	198.7	209.0	218.3	221.6	227.2	235.4
75°	122.0	125.5	131.3	137.2	144.1	154.5	164.5	166.8	169.7	174.4	180.1
77.5°	92.3	95.4	97.7	101.6	107.2	115.5	120.8	124.2	124.9	126.7	132.4
80°	73.2	75.0	77.3	80.2	82.5	89.5	92.4	95.9	97.0	98.8	101.7
82.5°	53.7	55.4	56.8	59.2	63.0	65.8	68.7	72.2	72.4	73.7	74.3
85°	31.3	31.9	30.8	31.9	32.5	33.7	36.6	39.5	38.9	38.3	40.1
87.5°	14.1	13.9	13.2	14.3	13.1	13.3	13.0	13.2	13.8	14.5	15.1
90°	14.7	13.8	12.4	11.1	9.7	8.4	7.0	5.4	3.9	2.4	0.9
92.5°	34.3	33.0	31.3	29.7	28.1	26.4	25.1	24.0	22.9	21.9	20.8
95°	67.5	66.2	64.3	62.3	60.4	58.5	57.4	57.0	56.7	56.2	55.9
97.5°	106.7	105.4	102.7	100.1	97.5	94.9	93.4	93.3	93.2	93.0	92.8
100°	133.2	131.5	129.1	126.6	124.1	121.6	120.4	120.4	120.4	120.4	120.4
102.5°	160.9	159.0	157.7	156.5	155.2	153.9	153.0	152.2	151.4	150.7	149.9
105°	206.6	205.4	204.3	203.1	202.0	200.9	199.8	198.9	197.9	196.9	196.0
107.5°	255.7	255.1	254.3	253.4	252.4	251.6	250.7	249.8	248.7	247.8	246.8
110°	289.4	288.8	288.3	287.7	287.1	286.5	285.8	284.8	283.9	282.9	282.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	323.5	323.2	322.4	321.8	321.1	320.3	319.7	319.2	318.7	318.2	317.7
115°	375.5	375.7	375.2	374.9	374.4	374.1	373.5	372.8	372.0	371.3	370.5
117.5°	426.7	426.5	426.2	425.9	425.5	425.2	424.8	424.5	424.1	423.8	423.4
120°	461.6	461.6	461.4	461.2	461.0	460.8	460.3	459.3	458.3	457.4	456.4
122.5°	495.8	495.9	495.5	495.0	494.5	494.0	493.6	493.3	492.9	492.6	492.2
125°	546.3	546.7	546.5	546.3	546.1	546.0	545.3	544.2	542.9	541.8	540.7
127.5°	596.0	596.2	596.0	595.7	595.6	595.3	594.9	594.2	593.6	592.9	592.3
130°	629.0	629.2	628.8	628.4	628.1	627.7	627.0	626.0	625.1	624.1	623.2
132.5°	660.6	660.8	660.9	661.0	661.1	661.2	660.4	658.8	657.3	655.7	654.1
135°	709.1	709.1	708.9	708.8	708.6	708.4	707.7	706.5	705.4	704.3	703.2
137.5°	756.3	756.0	755.7	755.3	754.8	754.4	753.6	752.5	751.4	750.3	749.2
140°	786.0	785.7	785.1	784.5	783.9	783.3	782.6	781.6	780.7	779.7	778.8
142.5°	815.5	815.2	814.5	813.8	813.0	812.4	811.6	810.7	809.9	809.2	808.3
145°	857.9	857.9	857.3	856.7	856.2	855.6	854.9	854.1	853.3	852.6	851.9
147.5°	896.5	896.0	895.5	895.1	894.7	894.2	893.7	893.4	892.9	892.5	892.1
150°	921.4	921.4	920.7	920.0	919.2	918.4	918.2	918.3	918.5	918.7	918.9
152.5°	943.9	943.5	943.1	942.9	942.5	942.3	941.9	941.7	941.4	941.2	940.9
155°	976.4	975.6	975.4	975.3	975.1	974.8	974.7	974.7	974.7	974.7	974.7
157.5°	1004.8	1004.0	1003.8	1003.6	1003.4	1003.2	1003.3	1003.8	1004.2	1004.6	1005.0
160°	1021.9	1021.1	1021.0	1020.8	1020.6	1020.5	1020.6	1021.1	1021.7	1022.4	1022.9
162.5°	1037.9	1037.0	1037.0	1036.9	1036.9	1036.8	1037.1	1037.4	1037.8	1038.3	1038.7
165°	1059.8	1059.0	1058.8	1058.6	1058.4	1058.3	1058.3	1058.7	1059.1	1059.5	1059.9
167.5°	1075.5	1074.3	1074.3	1074.3	1074.3	1074.3	1074.7	1075.5	1076.2	1076.9	1077.7
170°	1085.1	1083.9	1083.9	1083.9	1083.9	1083.9	1084.3	1085.1	1085.8	1086.6	1087.4
172.5°	1091.9	1090.8	1090.8	1090.8	1090.8	1090.8	1091.2	1091.9	1092.7	1093.5	1094.2
175°	1099.7	1098.5	1098.5	1098.5	1098.5	1098.5	1098.9	1099.7	1100.4	1101.2	1102.0
177.5°	1103.5	1102.5	1102.7	1102.8	1102.9	1103.1	1103.5	1104.1	1104.7	1105.4	1106.0
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1422.6	1426.8	1432.8	1439.8	1445.4	1451.4	1454.7	1454.7	1457.5	1463.5	1471.4
5°	1426.7	1441.7	1456.3	1474.9	1489.4	1506.2	1519.1	1531.3	1542.3	1556.3	1570.8
7.5°	1425.5	1450.6	1476.8	1506.1	1538.3	1564.0	1590.4	1611.1	1631.6	1658.3	1679.3
10°	1420.8	1453.4	1488.8	1526.0	1566.7	1602.1	1634.1	1663.2	1691.1	1720.1	1746.3
12.5°	1412.5	1453.9	1497.2	1541.9	1593.2	1633.7	1675.1	1706.0	1738.5	1770.3	1802.5
15°	1399.9	1448.7	1501.1	1563.2	1626.0	1671.3	1712.0	1752.1	1782.3	1818.3	1849.2
17.5°	1374.0	1436.9	1502.7	1570.6	1631.0	1683.6	1726.3	1764.4	1796.6	1836.3	1878.1
20°	1358.7	1426.7	1495.2	1567.9	1625.4	1679.5	1720.7	1760.2	1800.4	1852.0	1903.2
22.5°	1337.3	1409.9	1482.6	1551.6	1612.4	1664.6	1707.2	1755.6	1808.2	1866.9	1928.7
25°	1303.5	1378.5	1450.5	1516.1	1575.5	1628.9	1687.0	1752.1	1816.0	1893.3	1982.2
27.5°	1260.6	1332.8	1397.1	1466.5	1525.4	1593.5	1665.9	1736.6	1828.7	1935.0	2046.0
30°	1228.5	1297.1	1358.1	1423.7	1490.6	1565.6	1646.9	1730.0	1839.9	1964.8	2096.7
32.5°	1191.3	1253.4	1313.9	1377.3	1454.3	1536.7	1623.2	1724.9	1856.1	1998.3	2134.8
35°	1126.8	1182.6	1241.3	1311.6	1393.5	1483.1	1593.5	1717.3	1875.9	2028.7	2151.3
37.5°	1059.1	1103.2	1162.1	1236.3	1325.5	1429.1	1554.4	1704.8	1867.8	2004.8	2057.1
40°	1007.1	1048.4	1110.5	1188.4	1276.7	1390.1	1530.7	1685.2	1849.2	1944.5	1940.3
42.5°	955.5	997.2	1057.0	1135.4	1227.4	1354.3	1499.1	1659.7	1798.0	1834.3	1758.6
45°	876.3	915.2	974.0	1053.0	1151.8	1284.9	1437.1	1591.1	1679.5	1620.7	1470.8
47.5°	795.7	833.4	887.9	965.4	1073.2	1212.5	1356.4	1482.8	1495.2	1369.2	1189.3
50°	742.7	778.1	829.8	912.4	1016.9	1153.0	1291.8	1391.2	1360.4	1206.4	1021.1
52.5°	691.0	725.1	773.6	851.4	958.4	1091.6	1215.6	1293.6	1222.4	1058.6	891.8
55°	614.8	647.4	696.2	767.7	864.7	986.8	1095.5	1123.9	1019.3	854.3	719.5
57.5°	542.4	566.3	614.5	677.7	771.3	878.9	956.7	951.7	836.2	687.6	590.9
60°	494.6	516.0	562.0	620.1	708.9	805.5	860.1	836.8	720.1	597.4	504.4
62.5°	449.9	470.0	508.5	562.0	638.3	722.2	762.0	729.9	619.6	511.9	437.9
65°	382.4	396.9	427.7	477.1	536.9	595.0	630.5	583.4	485.9	404.5	348.7
67.5°	319.3	331.8	359.2	394.7	435.9	476.0	490.5	446.3	370.4	315.6	276.3
70°	278.4	290.0	308.6	341.7	369.0	397.5	404.5	365.0	301.6	259.8	235.4
72.5°	239.3	250.0	266.3	289.6	308.6	324.9	328.2	291.5	243.1	214.2	195.4
75°	182.4	191.7	202.2	210.9	223.2	226.1	224.9	196.4	170.3	151.1	140.6
77.5°	134.1	137.9	144.4	147.8	148.4	148.2	142.2	124.2	110.7	102.9	98.6
80°	103.4	106.3	108.1	109.3	109.9	104.0	97.6	86.6	82.0	77.3	72.1
82.5°	75.1	77.1	78.8	79.0	75.9	71.0	65.1	59.6	56.4	54.1	52.1
85°	40.6	41.2	40.6	37.8	33.7	31.9	30.8	29.6	29.0	28.5	28.5
87.5°	14.9	13.8	11.8	12.6	12.8	12.7	12.9	12.7	12.5	12.7	12.9
90°	2.4	3.9	5.4	7.0	8.4	9.7	11.1	12.4	13.8	14.7	15.7
92.5°	21.9	22.9	24.0	25.1	26.4	28.1	29.7	31.3	33.0	34.3	35.6
95°	56.2	56.7	57.0	57.4	58.5	60.4	62.3	64.3	66.2	67.5	68.9
97.5°	93.0	93.2	93.3	93.4	94.9	97.5	100.1	102.7	105.4	106.7	107.9
100°	120.4	120.4	120.4	120.4	121.6	124.1	126.6	129.1	131.5	133.2	134.9
102.5°	150.7	151.4	152.2	153.0	153.9	155.2	156.5	157.7	159.0	160.9	162.7
105°	196.9	197.9	198.9	199.8	200.9	202.0	203.1	204.3	205.4	206.6	207.8
107.5°	247.8	248.7	249.8	250.7	251.6	252.4	253.4	254.3	255.1	255.7	256.2
110°	282.9	283.9	284.8	285.8	286.5	287.1	287.7	288.3	288.8	289.4	290.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	318.2	318.7	319.2	319.7	320.3	321.1	321.8	322.4	323.2	323.5	323.7
115°	371.3	372.0	372.8	373.5	374.1	374.4	374.9	375.2	375.7	375.5	375.2
117.5°	423.8	424.1	424.5	424.8	425.2	425.5	425.9	426.2	426.5	426.7	426.8
120°	457.4	458.3	459.3	460.3	460.8	461.0	461.2	461.4	461.6	461.6	461.6
122.5°	492.6	492.9	493.3	493.6	494.0	494.5	495.0	495.5	495.9	495.8	495.7
125°	541.8	542.9	544.2	545.3	546.0	546.1	546.3	546.5	546.7	546.3	546.0
127.5°	592.9	593.6	594.2	594.9	595.3	595.6	595.7	596.0	596.2	596.0	595.8
130°	624.1	625.1	626.0	627.0	627.7	628.1	628.4	628.8	629.2	629.0	628.8
132.5°	655.7	657.3	658.8	660.4	661.2	661.1	661.0	660.9	660.8	660.6	660.5
135°	704.3	705.4	706.5	707.7	708.4	708.6	708.8	708.9	709.1	709.1	709.1
137.5°	750.3	751.4	752.5	753.6	754.4	754.8	755.3	755.7	756.0	756.3	756.6
140°	779.7	780.7	781.6	782.6	783.3	783.9	784.5	785.1	785.7	786.0	786.4
142.5°	809.2	809.9	810.7	811.6	812.4	813.0	813.8	814.5	815.2	815.5	815.7
145°	852.6	853.3	854.1	854.9	855.6	856.2	856.7	857.3	857.9	857.9	857.9
147.5°	892.5	892.9	893.4	893.7	894.2	894.7	895.1	895.5	896.0	896.5	896.9
150°	918.7	918.5	918.3	918.2	918.4	919.2	920.0	920.7	921.4	921.4	921.4
152.5°	941.2	941.4	941.7	941.9	942.3	942.5	942.9	943.1	943.5	943.9	944.4
155°	974.7	974.7	974.7	974.7	974.8	975.1	975.3	975.4	975.6	976.4	977.1
157.5°	1004.6	1004.2	1003.8	1003.3	1003.2	1003.4	1003.6	1003.8	1004.0	1004.8	1005.5
160°	1022.4	1021.7	1021.1	1020.6	1020.5	1020.6	1020.8	1021.0	1021.1	1021.9	1022.7
162.5°	1038.3	1037.8	1037.4	1037.1	1036.8	1036.9	1036.9	1037.0	1037.0	1037.9	1038.8
165°	1059.5	1059.1	1058.7	1058.3	1058.3	1058.4	1058.6	1058.8	1059.0	1059.8	1060.5
167.5°	1076.9	1076.2	1075.5	1074.7	1074.3	1074.3	1074.3	1074.3	1074.3	1075.5	1076.6
170°	1086.6	1085.8	1085.1	1084.3	1083.9	1083.9	1083.9	1083.9	1083.9	1085.1	1086.2
172.5°	1093.5	1092.7	1091.9	1091.2	1090.8	1090.8	1090.8	1090.8	1090.8	1091.9	1093.1
175°	1101.2	1100.4	1099.7	1098.9	1098.5	1098.5	1098.5	1098.5	1098.5	1099.7	1100.9
177.5°	1105.4	1104.7	1104.1	1103.5	1103.1	1102.9	1102.8	1102.7	1102.5	1103.5	1104.3
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1477.5	1477.5	1485.4	1484.9	1490.0	1488.2	1489.1
5°	1588.2	1598.1	1606.8	1612.7	1621.3	1623.7	1622.5
7.5°	1703.1	1725.0	1735.7	1750.3	1753.0	1760.7	1759.9
10°	1774.2	1795.7	1812.0	1824.7	1831.1	1839.3	1839.9
12.5°	1830.0	1848.2	1862.6	1874.5	1882.2	1884.8	1886.4
15°	1873.5	1893.9	1910.7	1927.6	1937.5	1945.0	1949.1
17.5°	1917.4	1948.9	1978.6	2001.5	2015.3	2026.9	2026.7
20°	1951.5	1987.4	2024.6	2050.8	2077.5	2089.1	2090.9
22.5°	1987.7	2042.8	2090.7	2131.2	2166.3	2178.4	2183.0
25°	2063.0	2135.0	2208.9	2265.8	2306.4	2330.3	2333.8
27.5°	2154.0	2251.5	2329.2	2381.7	2415.5	2433.2	2437.0
30°	2218.2	2308.3	2378.0	2417.5	2433.2	2435.5	2426.8
32.5°	2247.0	2314.3	2342.2	2339.9	2309.0	2288.6	2280.8
35°	2211.7	2197.8	2129.9	2048.5	1986.3	1946.8	1936.3
37.5°	2012.8	1892.5	1767.5	1644.5	1579.1	1545.8	1488.6
40°	1816.6	1645.2	1515.0	1411.5	1337.7	1278.5	1264.6
42.5°	1595.3	1418.3	1288.1	1199.5	1140.7	1099.9	1082.3
45°	1281.9	1129.7	1022.2	954.2	908.9	879.3	865.9
47.5°	1025.4	907.5	829.1	778.9	744.3	718.5	711.3
50°	884.5	790.3	724.1	681.7	655.5	635.8	627.6
52.5°	768.3	692.2	641.4	606.3	581.6	569.3	562.5
55°	634.0	568.3	531.8	503.9	489.9	480.0	475.4
57.5°	518.5	471.1	444.4	425.1	412.2	405.9	403.6
60°	453.8	416.6	392.3	377.1	368.4	360.3	358.0
62.5°	396.7	367.4	348.5	335.3	326.6	323.1	321.7
65°	319.6	300.4	286.5	278.4	271.4	270.2	269.7
67.5°	254.1	242.8	235.5	227.0	224.5	220.5	219.6
70°	217.3	209.8	201.0	198.2	195.3	191.2	191.7
72.5°	184.3	176.8	170.8	167.0	166.0	164.2	165.7
75°	134.8	132.5	130.2	127.3	126.1	126.1	125.5
77.5°	96.3	94.3	91.7	90.0	89.6	87.1	88.1
80°	69.7	66.8	65.7	66.2	64.5	63.9	63.9
82.5°	51.6	50.5	49.4	49.5	49.2	48.6	49.1
85°	28.5	27.9	27.9	27.3	27.3	26.7	26.7
87.5°	13.5	14.2	13.4	13.1	13.2	13.8	14.4
90°	16.6	17.6	18.3	18.9	19.5	20.1	20.7
92.5°	36.8	38.1	38.9	39.3	39.7	40.1	40.6
95°	70.2	71.5	72.4	72.8	73.2	73.5	74.0
97.5°	109.2	110.5	111.2	111.4	111.7	111.8	112.1
100°	136.6	138.4	139.5	139.8	140.2	140.6	140.9
102.5°	164.6	166.5	167.7	168.2	168.8	169.4	169.9
105°	208.9	210.0	210.9	211.5	212.1	212.6	213.2
107.5°	256.8	257.4	257.7	257.6	257.6	257.6	257.5
110°	290.5	291.1	291.3	291.1	290.9	290.8	290.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	324.0	324.3	324.3	323.9	323.6	323.2	322.9
115°	375.1	374.9	374.7	374.4	374.3	374.1	373.9
117.5°	427.0	427.1	426.8	426.0	425.3	424.6	423.8
120°	461.6	461.6	461.2	460.5	459.7	458.9	458.1
122.5°	495.5	495.3	495.0	494.4	493.8	493.2	492.6
125°	545.5	545.2	544.8	544.7	544.5	544.3	544.2
127.5°	595.6	595.5	595.1	594.8	594.3	594.0	593.7
130°	628.6	628.4	628.2	627.8	627.4	627.0	626.6
132.5°	660.3	660.0	659.7	659.2	658.7	658.1	657.5
135°	709.1	709.1	708.8	708.0	707.2	706.5	705.7
137.5°	756.7	757.0	756.6	755.7	754.8	753.8	752.9
140°	786.8	787.2	786.9	785.9	785.0	784.0	783.1
142.5°	815.9	816.1	815.8	814.9	813.9	813.0	811.9
145°	857.9	857.9	857.6	857.0	856.4	855.8	855.3
147.5°	897.4	897.9	897.4	896.1	894.8	893.5	892.3
150°	921.4	921.4	921.3	920.9	920.5	920.2	919.7
152.5°	944.9	945.3	945.2	944.5	943.8	943.1	942.5
155°	977.9	978.7	978.6	977.7	976.6	975.7	974.7
157.5°	1006.3	1007.0	1006.8	1005.6	1004.3	1003.0	1001.8
160°	1023.5	1024.2	1024.2	1023.2	1022.3	1021.3	1020.3
162.5°	1039.7	1040.7	1040.6	1039.5	1038.4	1037.2	1036.1
165°	1061.3	1062.0	1061.9	1060.8	1059.5	1058.4	1057.3
167.5°	1077.7	1078.9	1078.8	1077.7	1076.5	1075.3	1074.1
170°	1087.4	1088.5	1088.4	1087.1	1085.7	1084.4	1083.1
172.5°	1094.2	1095.4	1095.4	1094.2	1093.0	1091.8	1090.6
175°	1102.0	1103.1	1103.0	1101.7	1100.4	1099.0	1097.7
177.5°	1105.3	1106.1	1106.1	1105.0	1104.0	1102.9	1101.8
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6

(END OF REPORT)