

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: P332599-840

Luminaire Tested: **SA4XXDIP-C795D810U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332599-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D810U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

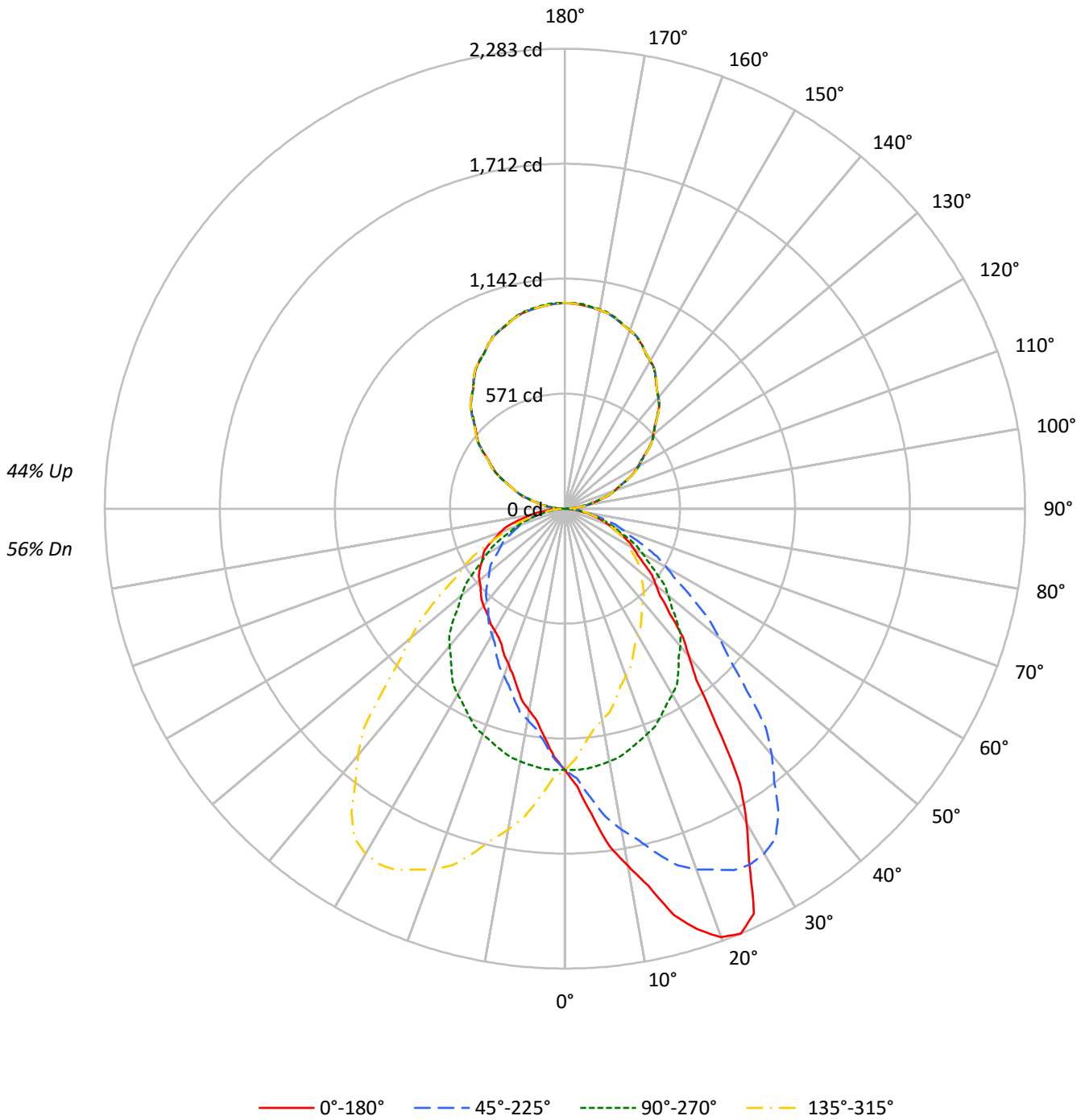
Lumens per Lamp: N/A
Luminaire Lumens: 6412.4 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 45.9
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	109	109	109	109	101	101	101	101	87	87	87	73	73	73	61	61	61	56
1	99	95	91	88	92	89	85	82	76	74	72	65	63	62	55	54	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	55	52	48	46	45	40
3	83	73	66	60	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	49	53	48	43	46	41	38	39	36	33	30
5	70	58	50	44	65	55	47	42	48	42	38	41	37	33	35	32	29	26
6	64	52	44	38	60	49	42	37	43	37	33	37	33	29	32	28	26	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20
8	55	43	35	30	51	41	34	29	36	30	26	31	27	23	27	23	21	18
9	52	39	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°	10467	10467	10467	10467
5°	12327	10494	9263	10494
10°	14758	10449	8338	10449
15°	17462	10343	7658	10343
20°	19444	10234	7050	10234
25°	19759	10075	6631	10075
30°	16812	9923	6498	9923
35°	12925	9676	6500	9676
40°	10075	9385	6622	9385
45°	8401	8947	6734	8947
50°	7394	8411	6962	8411
55°	6773	7771	7241	7771
60°	6347	7198	7579	7198
65°	5908	6556	7859	6556
70°	5401	5922	8037	5922
75°	4825	5209	7941	5209
80°	4049	4268	7689	4268
85°	2983	3084	7364	3084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	2.0
10°-20°	389.3	6.1
20°-30°	617.4	9.6
30°-40°	687.1	10.7
40°-50°	625.4	9.8
50°-60°	511.1	8.0
60°-70°	364.8	5.7
70°-80°	200.9	3.1
80°-90°	57.9	0.9
90°-100°	67.3	1.1
100°-110°	199.5	3.1
110°-120°	338.5	5.3
120°-130°	446.4	7.0
130°-140°	501.3	7.8
140°-150°	492.6	7.7
150°-160°	414.3	6.5
160°-170°	275.7	4.3
170°-180°	96.5	1.5
0°-30°	1133.0	17.7
0°-40°	1820.1	28.4
0°-60°	2956.5	46.1
0°-90°	3580.2	55.8
90°-120°	605.4	9.4
90°-150°	2045.7	31.9
90°-180°	2832.0	44.2
0°-180°	6412.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1297	1297	1297	1297	1297	
5°	1521	1295	1143	1295	1521	155
15°	2089	1238	916	1238	2089	590
25°	2218	1131	744	1131	2218	978
35°	1312	982	660	982	1312	832
45°	736	784	590	784	736	580
55°	481	552	514	552	481	435
65°	309	343	411	343	309	306
75°	155	167	255	167	155	164
85°	32	33	80	33	32	40
90°	24	2	24	2	24	13
95°	62	47	62	47	62	65
105°	193	184	193	184	193	203
115°	341	344	341	344	341	337
125°	497	501	497	501	497	444
135°	647	647	647	647	647	500
145°	786	786	786	786	786	492
155°	899	900	899	900	899	414
165°	977	980	977	980	977	275
175°	1014	1019	1014	1019	1014	96
180°	1021	1021	1021	1021	1021	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1379.9	1379.5	1375.1	1374.3	1371.3	1367.5	1366.5	1359.7	1345.9	1339.5	1337.8
5°	1521.1	1531.8	1517.8	1515.1	1513.5	1495.8	1486.6	1475.9	1451.2	1436.7	1425.4
7.5°	1689.5	1690.7	1684.7	1679.7	1666.1	1650.5	1627.4	1602.7	1573.3	1542.6	1519.5
10°	1800.3	1804.6	1797.7	1796.5	1769.2	1752.0	1717.6	1688.6	1655.3	1618.2	1584.4
12.5°	1917.2	1911.2	1907.6	1884.6	1879.6	1848.3	1808.3	1778.4	1727.1	1684.5	1639.4
15°	2089.3	2077.5	2069.9	2038.2	2022.7	1979.1	1936.7	1904.0	1836.8	1772.9	1724.5
17.5°	2190.2	2202.0	2184.6	2171.6	2131.3	2100.8	2057.5	1988.7	1936.2	1856.8	1795.8
20°	2263.3	2264.3	2254.7	2241.3	2209.6	2170.9	2123.6	2048.4	1985.6	1906.6	1822.9
22.5°	2283.0	2283.3	2279.2	2266.6	2242.6	2211.3	2163.6	2100.8	2024.7	1938.8	1855.1
25°	2218.2	2216.0	2220.9	2234.8	2225.6	2216.0	2188.6	2141.9	2071.0	1980.2	1890.0
27.5°	1977.1	1992.0	2019.2	2053.6	2086.7	2111.9	2119.0	2109.4	2065.5	1990.8	1896.3
30°	1803.5	1821.8	1842.2	1876.5	1943.2	1981.4	2023.2	2054.9	2037.2	1977.5	1889.5
32.5°	1612.8	1617.3	1647.6	1686.7	1747.7	1821.1	1887.4	1951.8	1973.2	1941.9	1868.5
35°	1311.5	1319.1	1351.8	1390.5	1465.2	1554.9	1654.8	1743.9	1817.5	1847.0	1809.5
37.5°	1070.3	1091.9	1115.0	1156.6	1222.3	1303.0	1406.8	1522.2	1631.8	1705.4	1717.8
40°	956.0	969.5	986.1	1017.7	1073.6	1153.2	1242.2	1374.4	1491.0	1596.2	1630.6
42.5°	865.8	873.6	883.8	912.5	955.0	1034.1	1115.5	1231.7	1348.8	1474.6	1532.2
45°	735.8	743.9	761.0	777.7	809.9	864.7	940.4	1036.0	1153.7	1275.1	1381.4
47.5°	642.0	647.1	657.3	675.1	702.5	738.6	800.2	880.1	989.1	1106.9	1220.2
50°	588.7	592.9	601.0	617.1	638.0	670.2	720.7	795.5	880.8	999.6	1110.6
52.5°	546.5	548.3	554.2	565.1	581.8	608.8	650.3	712.1	791.4	897.3	1008.0
55°	481.2	483.4	488.8	496.9	511.3	528.5	560.2	606.3	675.7	767.5	863.6
57.5°	427.5	429.0	433.5	436.7	448.6	462.5	487.0	519.9	572.4	650.3	736.1
60°	393.1	392.0	397.5	400.1	408.2	420.0	438.8	470.5	516.1	579.0	657.9
62.5°	359.6	358.1	362.6	366.2	370.8	380.9	396.3	421.1	458.2	514.9	583.2
65°	309.3	307.2	309.9	314.2	318.5	323.9	335.2	357.2	386.7	427.5	479.6
67.5°	258.8	261.2	261.6	263.7	266.2	273.5	281.2	296.8	317.6	350.3	394.5
70°	228.8	229.3	231.5	231.5	233.1	239.5	246.0	255.1	275.5	305.6	341.5
72.5°	198.7	201.0	200.2	201.9	203.0	207.3	212.1	220.8	238.1	260.4	290.8
75°	154.7	156.3	156.3	156.8	158.4	160.1	163.8	170.3	182.6	199.2	220.3
77.5°	112.8	113.0	113.7	115.7	115.7	118.3	121.1	126.2	132.3	143.7	156.5
80°	87.1	88.1	87.6	88.7	88.7	90.8	91.8	98.3	101.0	108.5	118.7
82.5°	63.8	64.8	64.7	66.2	67.2	67.6	69.1	71.6	74.3	81.0	85.1
85°	32.2	33.3	32.2	33.3	34.9	35.4	37.1	37.6	39.8	41.4	45.1
87.5°	14.2	15.5	15.3	15.7	16.5	16.8	17.0	16.4	17.9	18.1	19.5
90°	23.7	23.3	23.0	22.6	22.3	21.6	20.5	19.5	18.4	17.4	16.0
92.5°	35.0	34.8	34.6	34.4	34.2	33.8	33.1	32.5	31.9	31.3	30.3
95°	62.4	62.4	62.4	62.4	62.4	62.1	61.6	61.1	60.5	60.0	58.8
97.5°	97.8	97.8	97.8	97.8	97.8	97.5	96.7	96.1	95.5	94.9	93.4
100°	122.4	122.4	122.4	122.4	122.4	122.2	121.9	121.5	121.2	120.8	119.2
102.5°	150.2	150.1	149.9	149.8	149.6	149.3	148.8	148.3	147.8	147.3	145.9
105°	192.7	192.1	191.6	191.1	190.6	190.0	189.5	188.9	188.4	187.9	187.2
107.5°	234.0	234.1	234.1	234.1	234.2	233.9	233.4	233.0	232.5	232.0	231.9
110°	263.7	263.2	262.7	262.2	261.6	261.5	261.9	262.2	262.6	262.9	263.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	294.0	293.9	293.8	293.7	293.6	293.6	293.7	293.7	293.8	293.9	294.2
115°	341.0	341.2	341.4	341.6	341.7	341.9	342.1	342.2	342.4	342.6	343.0
117.5°	385.9	386.3	386.6	387.0	387.3	387.8	388.4	389.0	389.6	390.2	390.4
120°	420.0	419.7	419.3	419.0	418.6	418.9	419.7	420.6	421.5	422.4	422.9
122.5°	448.5	449.1	449.7	450.3	451.0	451.6	452.2	452.7	453.3	453.9	454.2
125°	497.4	497.8	498.1	498.5	498.8	499.2	499.5	499.9	500.2	500.6	500.7
127.5°	542.7	543.0	543.3	543.5	543.8	544.1	544.5	544.8	545.2	545.5	545.8
130°	572.4	573.1	573.8	574.5	575.2	575.7	576.0	576.4	576.7	577.1	577.1
132.5°	604.0	604.2	604.5	604.8	605.1	605.4	605.7	606.1	606.4	606.8	606.9
135°	647.4	647.9	648.4	648.9	649.4	649.9	650.3	650.7	651.0	651.4	651.4
137.5°	693.1	692.9	692.8	692.7	692.6	692.8	693.3	693.7	694.2	694.6	694.3
140°	720.8	720.9	721.1	721.3	721.5	721.6	721.9	722.1	722.3	722.4	722.4
142.5°	748.6	748.6	748.7	748.7	748.7	748.8	748.8	748.8	748.9	748.9	749.0
145°	786.4	786.9	787.4	787.9	788.4	788.8	789.0	789.1	789.3	789.5	789.3
147.5°	824.6	824.8	824.9	825.1	825.3	825.4	825.6	825.7	825.9	826.0	826.1
150°	847.9	848.1	848.3	848.5	848.6	848.7	848.7	848.7	848.7	848.7	848.7
152.5°	869.4	869.9	870.3	870.8	871.2	871.2	870.8	870.4	870.0	869.6	869.4
155°	899.3	899.9	900.6	901.3	902.0	902.0	901.3	900.6	899.9	899.3	899.4
157.5°	925.9	926.6	927.2	927.8	928.3	928.4	927.9	927.3	926.8	926.2	926.2
160°	941.1	942.0	942.8	943.7	944.6	944.7	944.2	943.7	943.2	942.7	942.8
162.5°	956.8	957.8	958.7	959.5	960.4	960.4	959.4	958.5	957.6	956.5	956.7
165°	977.4	978.1	978.8	979.5	980.2	980.1	979.0	978.0	976.8	975.8	976.1
167.5°	992.1	993.2	994.2	995.3	996.4	996.4	995.4	994.3	993.3	992.2	992.2
170°	1000.3	1001.5	1002.8	1004.0	1005.2	1005.3	1004.2	1003.2	1002.1	1001.1	1000.9
172.5°	1007.2	1008.5	1009.7	1011.0	1012.2	1012.2	1011.0	1009.8	1008.6	1007.4	1007.3
175°	1014.5	1015.7	1016.9	1018.1	1019.5	1019.5	1018.1	1016.9	1015.7	1014.5	1014.7
177.5°	1018.2	1019.5	1020.6	1021.7	1022.8	1022.9	1021.9	1020.9	1019.9	1019.0	1019.0
180°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1338.2	1332.2	1327.9	1324.4	1315.0	1309.4	1305.1	1299.1	1292.2	1285.0	1275.9
5°	1414.1	1395.8	1382.5	1362.0	1342.7	1326.6	1310.0	1294.9	1276.7	1256.8	1242.2
7.5°	1494.0	1466.8	1432.0	1401.8	1367.9	1338.3	1311.9	1284.9	1256.7	1229.4	1204.4
10°	1544.7	1509.7	1471.1	1425.4	1382.5	1344.3	1308.9	1274.6	1241.2	1207.9	1179.4
12.5°	1599.2	1555.7	1498.5	1445.2	1397.0	1346.0	1303.3	1261.2	1221.0	1186.0	1152.8
15°	1672.4	1609.6	1543.6	1472.2	1408.8	1349.2	1290.6	1237.5	1192.3	1146.1	1113.9
17.5°	1717.5	1639.7	1564.2	1489.6	1412.9	1337.7	1274.6	1213.2	1156.7	1110.8	1070.2
20°	1747.2	1669.8	1575.8	1501.2	1409.9	1332.5	1259.5	1191.2	1132.2	1083.3	1041.4
22.5°	1772.9	1683.5	1589.5	1491.3	1400.4	1318.4	1238.4	1169.7	1109.4	1057.9	1017.7
25°	1786.9	1684.3	1582.3	1484.5	1381.4	1284.1	1211.6	1131.1	1066.6	1012.4	969.5
27.5°	1788.4	1678.7	1563.3	1454.6	1348.2	1257.7	1166.1	1094.2	1027.2	969.9	928.6
30°	1783.6	1669.3	1545.2	1427.5	1320.7	1222.4	1143.0	1064.5	996.3	939.4	896.4
32.5°	1768.6	1649.5	1522.0	1397.5	1286.8	1190.6	1108.5	1034.0	967.6	911.4	866.4
35°	1725.2	1607.5	1471.6	1342.2	1228.8	1131.7	1057.5	981.8	915.2	862.0	818.5
37.5°	1657.1	1550.7	1412.6	1278.7	1167.4	1069.8	996.3	927.9	867.8	813.7	769.2
40°	1597.8	1504.4	1365.8	1235.3	1115.0	1022.1	953.3	890.5	830.9	779.8	737.4
42.5°	1529.5	1448.0	1320.3	1182.0	1066.0	972.7	905.6	849.2	793.0	745.9	703.5
45°	1407.7	1354.0	1233.7	1105.9	985.0	897.0	833.0	783.7	736.4	690.1	654.7
47.5°	1267.6	1241.0	1139.7	1018.3	903.6	816.8	761.3	715.7	674.3	635.2	603.9
50°	1173.6	1160.6	1073.1	956.0	846.5	764.8	708.9	669.7	634.3	600.0	570.4
52.5°	1080.8	1080.3	1001.4	894.1	792.7	714.1	658.6	622.1	591.4	563.4	536.8
55°	938.9	953.8	892.1	796.5	705.7	634.8	584.9	552.1	530.7	507.6	487.7
57.5°	808.5	833.4	782.5	698.3	622.6	557.2	513.8	489.2	466.3	452.3	437.9
60°	723.5	747.1	707.3	636.4	565.0	509.2	467.8	445.8	425.9	416.3	406.1
62.5°	647.8	668.9	639.4	573.7	511.7	458.1	423.1	401.9	388.5	378.0	371.2
65°	539.8	557.4	532.3	484.4	431.3	388.3	359.8	343.2	330.3	326.0	318.5
67.5°	436.4	452.4	438.8	398.2	355.6	323.0	300.7	284.8	277.1	273.4	268.0
70°	374.9	391.0	376.5	341.0	308.3	280.9	259.9	250.9	242.8	241.2	233.6
72.5°	322.9	333.9	319.3	291.6	263.6	240.5	224.3	214.7	210.6	207.6	203.6
75°	242.3	251.9	242.3	220.8	200.9	184.8	170.8	167.0	162.2	160.6	157.9
77.5°	171.5	179.9	172.4	159.0	144.1	131.7	124.2	119.4	118.3	115.4	116.7
80°	131.1	136.4	129.5	120.3	108.5	99.9	94.5	91.8	88.7	87.6	89.7
82.5°	94.1	96.4	92.9	86.7	78.0	72.4	68.8	65.6	65.0	65.2	65.2
85°	48.9	48.4	47.8	42.4	39.8	36.0	33.8	33.3	32.7	33.8	34.9
87.5°	19.3	19.4	18.7	16.7	14.9	13.2	12.4	11.6	12.4	13.2	14.1
90°	14.5	13.1	11.7	10.1	8.2	6.3	4.3	2.3	4.3	6.3	8.2
92.5°	29.3	28.3	27.4	25.8	23.5	21.3	19.1	16.9	19.1	21.3	23.5
95°	57.6	56.4	55.1	53.7	52.1	50.5	49.0	47.4	49.0	50.5	52.1
97.5°	92.0	90.6	89.2	87.8	86.5	85.2	84.0	82.7	84.0	85.2	86.5
100°	117.6	116.0	114.5	113.3	112.6	111.9	111.2	110.6	111.2	111.9	112.6
102.5°	144.4	143.0	141.6	140.7	140.5	140.2	139.9	139.6	139.9	140.2	140.5
105°	186.5	185.8	185.1	184.7	184.5	184.3	184.1	184.0	184.1	184.3	184.5
107.5°	231.8	231.7	231.6	231.4	231.2	231.0	230.8	230.6	230.8	231.0	231.2
110°	263.3	263.5	263.6	263.5	263.2	262.8	262.5	262.2	262.5	262.8	263.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	294.5	294.8	295.1	295.3	295.2	295.1	295.0	295.0	295.0	295.1	295.2
115°	343.4	343.7	344.1	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3
117.5°	390.6	390.9	391.1	391.2	391.0	390.9	390.8	390.6	390.8	390.9	391.0
120°	423.4	423.9	424.4	424.4	423.7	423.0	422.3	421.6	422.3	423.0	423.7
122.5°	454.4	454.7	454.9	454.9	454.6	454.3	454.0	453.8	454.0	454.3	454.6
125°	500.9	501.1	501.2	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3
127.5°	546.1	546.3	546.6	546.5	546.0	545.5	544.9	544.4	544.9	545.5	546.0
130°	577.1	577.1	577.1	576.8	576.3	575.8	575.3	574.7	575.3	575.8	576.3
132.5°	607.1	607.2	607.3	607.2	606.8	606.5	606.1	605.7	606.1	606.5	606.8
135°	651.4	651.4	651.4	650.9	649.7	648.7	647.6	646.6	647.6	648.7	649.7
137.5°	694.1	693.8	693.5	693.1	692.6	692.1	691.7	691.2	691.7	692.1	692.6
140°	722.4	722.4	722.4	722.3	721.9	721.5	721.1	720.8	721.1	721.5	721.9
142.5°	749.2	749.3	749.5	749.4	749.0	748.7	748.3	748.0	748.3	748.7	749.0
145°	789.1	789.0	788.8	788.4	787.7	787.0	786.3	785.6	786.3	787.0	787.7
147.5°	826.3	826.4	826.6	826.2	825.4	824.5	823.6	822.8	823.6	824.5	825.4
150°	848.7	848.7	848.7	848.4	847.7	847.0	846.3	845.6	846.3	847.0	847.7
152.5°	869.3	869.1	869.0	868.7	868.3	867.9	867.5	867.1	867.5	867.9	868.3
155°	899.6	899.8	899.9	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0
157.5°	926.3	926.3	926.3	926.6	926.9	927.2	927.5	927.9	927.5	927.2	926.9
160°	943.0	943.2	943.3	943.5	943.7	943.9	944.0	944.2	944.0	943.9	943.7
162.5°	956.9	957.0	957.3	957.6	958.1	958.5	959.0	959.4	959.0	958.5	958.1
165°	976.5	976.8	977.2	977.7	978.2	978.8	979.3	979.8	979.3	978.8	978.2
167.5°	992.2	992.1	992.1	992.5	993.2	993.9	994.6	995.4	994.6	993.9	993.2
170°	1000.8	1000.6	1000.4	1000.8	1001.6	1002.5	1003.4	1004.2	1003.4	1002.5	1001.6
172.5°	1007.3	1007.3	1007.2	1007.6	1008.4	1009.1	1009.9	1010.6	1009.9	1009.1	1008.4
175°	1014.8	1015.0	1015.2	1015.7	1016.6	1017.4	1018.3	1019.3	1018.3	1017.4	1016.6
177.5°	1019.0	1019.0	1019.0	1019.3	1020.0	1020.7	1021.4	1022.1	1021.4	1020.7	1020.0
180°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8



TEST NUMBER: P332599-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1271.6	1267.8	1262.1	1254.5	1248.0	1241.1	1239.4	1236.8	1241.9	1237.7	1236.4
5°	1229.9	1218.6	1204.2	1187.5	1177.8	1163.9	1161.1	1155.8	1150.4	1149.9	1144.5
7.5°	1185.8	1169.2	1150.2	1133.3	1117.5	1102.3	1092.4	1090.1	1082.3	1077.6	1072.3
10°	1157.4	1137.0	1115.0	1098.8	1080.7	1064.5	1053.2	1046.8	1041.4	1035.5	1030.2
12.5°	1123.9	1102.2	1084.1	1066.6	1044.9	1032.7	1014.1	1003.0	1001.9	1002.0	988.1
15°	1084.9	1063.4	1035.5	1010.8	999.0	975.3	965.1	952.2	944.2	936.1	929.7
17.5°	1040.4	1013.6	991.8	963.4	940.9	922.1	908.7	900.9	888.8	877.4	869.1
20°	1012.4	983.9	960.9	930.8	906.1	882.9	871.7	860.9	851.8	842.1	833.0
22.5°	984.0	954.3	926.0	896.9	873.8	849.5	838.6	823.9	815.3	809.9	800.8
25°	939.4	907.2	874.9	847.0	823.3	801.8	787.4	776.1	766.4	762.1	756.2
27.5°	890.8	858.8	827.7	796.0	769.1	753.6	741.9	733.5	727.8	722.2	719.5
30°	859.9	826.6	793.2	763.8	739.0	723.5	712.7	706.8	702.5	699.8	697.1
32.5°	828.5	795.7	760.6	733.7	711.6	697.7	689.5	683.6	681.5	680.4	679.5
35°	778.2	745.0	712.7	688.5	667.6	662.3	655.2	652.1	651.0	654.7	656.3
37.5°	729.5	698.6	669.0	645.6	631.9	624.0	621.6	621.8	625.6	628.9	632.8
40°	698.2	668.1	640.3	619.8	606.9	602.1	601.0	603.7	607.9	611.8	616.0
42.5°	667.7	638.0	612.7	593.6	584.6	580.2	580.8	583.5	589.5	594.1	600.6
45°	620.4	595.6	570.9	555.3	547.9	548.9	548.9	553.7	559.7	566.6	573.6
47.5°	575.7	550.9	530.5	517.5	513.5	512.6	515.6	521.9	530.4	539.1	548.8
50°	545.6	522.0	504.3	492.5	488.2	489.8	494.1	500.0	510.2	521.0	531.2
52.5°	515.1	493.7	477.3	466.3	463.3	466.2	470.5	479.8	488.8	500.4	512.7
55°	467.8	449.5	436.7	428.6	427.5	429.1	433.9	444.1	457.1	471.6	483.4
57.5°	420.6	405.4	393.5	388.0	388.5	390.0	398.0	410.1	423.8	439.3	454.5
60°	388.9	374.9	365.3	360.9	361.4	364.7	374.4	385.7	402.8	417.9	433.9
62.5°	358.8	346.5	337.3	333.5	332.6	339.7	349.0	360.7	377.9	394.7	412.0
65°	310.4	300.7	293.3	291.1	292.8	298.1	309.9	325.5	340.0	357.7	376.0
67.5°	263.2	255.2	250.0	251.1	253.0	260.9	270.8	284.2	300.6	319.0	337.1
70°	233.1	225.6	221.3	221.8	225.0	234.7	243.3	256.7	274.5	293.3	308.3
72.5°	202.2	197.2	193.4	195.6	198.8	205.5	216.2	229.6	245.2	262.8	278.6
75°	155.2	155.2	153.1	154.7	159.6	165.9	174.0	187.9	203.6	217.5	230.5
77.5°	115.1	114.0	115.3	117.3	120.1	127.7	136.9	146.9	158.6	172.6	183.3
80°	88.1	88.7	91.3	94.5	95.6	101.5	111.2	120.3	129.5	141.3	151.5
82.5°	66.1	66.8	68.1	72.2	73.2	79.6	85.8	94.9	103.2	111.2	119.7
85°	36.0	36.0	38.7	40.3	42.9	47.3	51.0	56.4	63.9	69.3	77.4
87.5°	15.8	16.1	18.1	19.3	20.8	23.2	24.3	29.3	31.2	33.5	37.6
90°	10.1	11.7	13.1	14.5	16.0	17.4	18.4	19.5	20.5	21.6	22.3
92.5°	25.8	27.4	28.3	29.3	30.3	31.3	31.9	32.5	33.1	33.8	34.2
95°	53.7	55.1	56.4	57.6	58.8	60.0	60.5	61.1	61.6	62.1	62.4
97.5°	87.8	89.2	90.6	92.0	93.4	94.9	95.5	96.1	96.7	97.5	97.8
100°	113.3	114.5	116.0	117.6	119.2	120.8	121.2	121.5	121.9	122.2	122.4
102.5°	140.7	141.6	143.0	144.4	145.9	147.3	147.8	148.3	148.8	149.3	149.6
105°	184.7	185.1	185.8	186.5	187.2	187.9	188.4	188.9	189.5	190.0	190.6
107.5°	231.4	231.6	231.7	231.8	231.9	232.0	232.5	233.0	233.4	233.9	234.2
110°	263.5	263.6	263.5	263.3	263.1	262.9	262.6	262.2	261.9	261.5	261.6



TEST NUMBER: P332599-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	295.3	295.1	294.8	294.5	294.2	293.9	293.8	293.7	293.7	293.6	293.6
115°	344.3	344.1	343.7	343.4	343.0	342.6	342.4	342.2	342.1	341.9	341.7
117.5°	391.2	391.1	390.9	390.6	390.4	390.2	389.6	389.0	388.4	387.8	387.3
120°	424.4	424.4	423.9	423.4	422.9	422.4	421.5	420.6	419.7	418.9	418.6
122.5°	454.9	454.9	454.7	454.4	454.2	453.9	453.3	452.7	452.2	451.6	451.0
125°	501.3	501.2	501.1	500.9	500.7	500.6	500.2	499.9	499.5	499.2	498.8
127.5°	546.5	546.6	546.3	546.1	545.8	545.5	545.2	544.8	544.5	544.1	543.8
130°	576.8	577.1	577.1	577.1	577.1	577.1	576.7	576.4	576.0	575.7	575.2
132.5°	607.2	607.3	607.2	607.1	606.9	606.8	606.4	606.1	605.7	605.4	605.1
135°	650.9	651.4	651.4	651.4	651.4	651.4	651.0	650.7	650.3	649.9	649.4
137.5°	693.1	693.5	693.8	694.1	694.3	694.6	694.2	693.7	693.3	692.8	692.6
140°	722.3	722.4	722.4	722.4	722.4	722.4	722.3	722.1	721.9	721.6	721.5
142.5°	749.4	749.5	749.3	749.2	749.0	748.9	748.9	748.8	748.8	748.8	748.7
145°	788.4	788.8	789.0	789.1	789.3	789.5	789.3	789.1	789.0	788.8	788.4
147.5°	826.2	826.6	826.4	826.3	826.1	826.0	825.9	825.7	825.6	825.4	825.3
150°	848.4	848.7	848.7	848.7	848.7	848.7	848.7	848.7	848.7	848.7	848.6
152.5°	868.7	869.0	869.1	869.3	869.4	869.6	870.0	870.4	870.8	871.2	871.2
155°	900.0	899.9	899.8	899.6	899.4	899.3	899.9	900.6	901.3	902.0	902.0
157.5°	926.6	926.3	926.3	926.3	926.2	926.2	926.8	927.3	927.9	928.4	928.3
160°	943.5	943.3	943.2	943.0	942.8	942.7	943.2	943.7	944.2	944.7	944.6
162.5°	957.6	957.3	957.0	956.9	956.7	956.5	957.6	958.5	959.4	960.4	960.4
165°	977.7	977.2	976.8	976.5	976.1	975.8	976.8	978.0	979.0	980.1	980.2
167.5°	992.5	992.1	992.1	992.2	992.2	992.2	993.3	994.3	995.4	996.4	996.4
170°	1000.8	1000.4	1000.6	1000.8	1000.9	1001.1	1002.1	1003.2	1004.2	1005.3	1005.2
172.5°	1007.6	1007.2	1007.3	1007.3	1007.3	1007.4	1008.6	1009.8	1011.0	1012.2	1012.2
175°	1015.7	1015.2	1015.0	1014.8	1014.7	1014.5	1015.7	1016.9	1018.1	1019.5	1019.5
177.5°	1019.3	1019.0	1019.0	1019.0	1019.0	1019.0	1019.9	1020.9	1021.9	1022.9	1022.8
180°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8



TEST NUMBER: P332599-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1235.5	1234.7	1231.6	1231.2	1231.6	1234.7	1235.5	1236.4	1237.7	1241.9	1236.8
5°	1141.3	1138.6	1137.0	1143.0	1137.0	1138.6	1141.3	1144.5	1149.9	1150.4	1155.8
7.5°	1070.3	1068.1	1063.4	1062.0	1063.4	1068.1	1070.3	1072.3	1077.6	1082.3	1090.1
10°	1024.7	1022.6	1018.3	1017.2	1018.3	1022.6	1024.7	1030.2	1035.5	1041.4	1046.8
12.5°	980.9	976.6	975.7	976.8	975.7	976.6	980.9	988.1	1002.0	1001.9	1003.0
15°	922.7	920.6	914.6	916.3	914.6	920.6	922.7	929.7	936.1	944.2	952.2
17.5°	865.4	862.7	855.6	861.9	855.6	862.7	865.4	869.1	877.4	888.8	900.9
20°	829.3	825.0	821.2	820.6	821.2	825.0	829.3	833.0	842.1	851.8	860.9
22.5°	794.9	791.0	790.7	787.2	790.7	791.0	794.9	800.8	809.9	815.3	823.9
25°	751.9	748.2	747.1	744.4	747.1	748.2	751.9	756.2	762.1	766.4	776.1
27.5°	718.9	717.1	715.2	716.0	715.2	717.1	718.9	719.5	722.2	727.8	733.5
30°	698.7	698.2	697.1	697.1	697.1	698.2	698.7	697.1	699.8	702.5	706.8
32.5°	682.0	681.9	682.6	682.6	682.6	681.9	682.0	679.5	680.4	681.5	683.6
35°	658.4	660.0	661.2	659.5	661.2	660.0	658.4	656.3	654.7	651.0	652.1
37.5°	637.2	638.8	640.4	642.2	640.4	638.8	637.2	632.8	628.9	625.6	621.8
40°	620.9	624.6	625.7	628.4	625.7	624.6	620.9	616.0	611.8	607.9	603.7
42.5°	605.4	609.6	612.4	612.9	612.4	609.6	605.4	600.6	594.1	589.5	583.5
45°	581.7	585.9	589.8	589.8	589.8	585.9	581.7	573.6	566.6	559.7	553.7
47.5°	557.0	563.3	567.0	568.0	567.0	563.3	557.0	548.8	539.1	530.4	521.9
50°	540.3	547.9	551.6	554.3	551.6	547.9	540.3	531.2	521.0	510.2	500.0
52.5°	524.0	531.5	536.5	538.0	536.5	531.5	524.0	512.7	500.4	488.8	479.8
55°	495.7	506.4	512.4	514.5	512.4	506.4	495.7	483.4	471.6	457.1	444.1
57.5°	469.1	479.0	485.8	487.5	485.8	479.0	469.1	454.5	439.3	423.8	410.1
60°	448.5	459.2	467.8	469.4	467.8	459.2	448.5	433.9	417.9	402.8	385.7
62.5°	427.4	438.6	446.4	450.5	446.4	438.6	427.4	412.0	394.7	377.9	360.7
65°	391.0	402.2	409.8	411.4	409.8	402.2	391.0	376.0	357.7	340.0	325.5
67.5°	351.2	362.5	367.5	370.6	367.5	362.5	351.2	337.1	319.0	300.6	284.2
70°	323.4	332.4	337.8	340.5	337.8	332.4	323.4	308.3	293.3	274.5	256.7
72.5°	291.5	301.0	307.3	307.8	307.3	301.0	291.5	278.6	262.8	245.2	229.6
75°	242.8	251.4	254.6	254.6	254.6	251.4	242.8	230.5	217.5	203.6	187.9
77.5°	192.2	196.6	200.7	201.5	200.7	196.6	192.2	183.3	172.6	158.6	146.9
80°	159.6	162.2	165.4	165.4	165.4	162.2	159.6	151.5	141.3	129.5	120.3
82.5°	126.0	128.3	131.5	131.1	131.5	128.3	126.0	119.7	111.2	103.2	94.9
85°	76.2	81.1	80.6	79.5	80.6	81.1	76.2	77.4	69.3	63.9	56.4
87.5°	38.9	39.4	40.8	41.7	40.8	39.4	38.9	37.6	33.5	31.2	29.3
90°	22.6	23.0	23.3	23.7	23.3	23.0	22.6	22.3	21.6	20.5	19.5
92.5°	34.4	34.6	34.8	35.0	34.8	34.6	34.4	34.2	33.8	33.1	32.5
95°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.1	61.6	61.1
97.5°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.5	96.7	96.1
100°	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.2	121.9	121.5
102.5°	149.8	149.9	150.1	150.2	150.1	149.9	149.8	149.6	149.3	148.8	148.3
105°	191.1	191.6	192.1	192.7	192.1	191.6	191.1	190.6	190.0	189.5	188.9
107.5°	234.1	234.1	234.1	234.0	234.1	234.1	234.1	234.2	233.9	233.4	233.0
110°	262.2	262.7	263.2	263.7	263.2	262.7	262.2	261.6	261.5	261.9	262.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	293.7	293.8	293.9	294.0	293.9	293.8	293.7	293.6	293.6	293.7	293.7
115°	341.6	341.4	341.2	341.0	341.2	341.4	341.6	341.7	341.9	342.1	342.2
117.5°	387.0	386.6	386.3	385.9	386.3	386.6	387.0	387.3	387.8	388.4	389.0
120°	419.0	419.3	419.7	420.0	419.7	419.3	419.0	418.6	418.9	419.7	420.6
122.5°	450.3	449.7	449.1	448.5	449.1	449.7	450.3	451.0	451.6	452.2	452.7
125°	498.5	498.1	497.8	497.4	497.8	498.1	498.5	498.8	499.2	499.5	499.9
127.5°	543.5	543.3	543.0	542.7	543.0	543.3	543.5	543.8	544.1	544.5	544.8
130°	574.5	573.8	573.1	572.4	573.1	573.8	574.5	575.2	575.7	576.0	576.4
132.5°	604.8	604.5	604.2	604.0	604.2	604.5	604.8	605.1	605.4	605.7	606.1
135°	648.9	648.4	647.9	647.4	647.9	648.4	648.9	649.4	649.9	650.3	650.7
137.5°	692.7	692.8	692.9	693.1	692.9	692.8	692.7	692.6	692.8	693.3	693.7
140°	721.3	721.1	720.9	720.8	720.9	721.1	721.3	721.5	721.6	721.9	722.1
142.5°	748.7	748.7	748.6	748.6	748.6	748.7	748.7	748.7	748.8	748.8	748.8
145°	787.9	787.4	786.9	786.4	786.9	787.4	787.9	788.4	788.8	789.0	789.1
147.5°	825.1	824.9	824.8	824.6	824.8	824.9	825.1	825.3	825.4	825.6	825.7
150°	848.5	848.3	848.1	847.9	848.1	848.3	848.5	848.6	848.7	848.7	848.7
152.5°	870.8	870.3	869.9	869.4	869.9	870.3	870.8	871.2	871.2	870.8	870.4
155°	901.3	900.6	899.9	899.3	899.9	900.6	901.3	902.0	902.0	901.3	900.6
157.5°	927.8	927.2	926.6	925.9	926.6	927.2	927.8	928.3	928.4	927.9	927.3
160°	943.7	942.8	942.0	941.1	942.0	942.8	943.7	944.6	944.7	944.2	943.7
162.5°	959.5	958.7	957.8	956.8	957.8	958.7	959.5	960.4	960.4	959.4	958.5
165°	979.5	978.8	978.1	977.4	978.1	978.8	979.5	980.2	980.1	979.0	978.0
167.5°	995.3	994.2	993.2	992.1	993.2	994.2	995.3	996.4	996.4	995.4	994.3
170°	1004.0	1002.8	1001.5	1000.3	1001.5	1002.8	1004.0	1005.2	1005.3	1004.2	1003.2
172.5°	1011.0	1009.7	1008.5	1007.2	1008.5	1009.7	1011.0	1012.2	1012.2	1011.0	1009.8
175°	1018.1	1016.9	1015.7	1014.5	1015.7	1016.9	1018.1	1019.5	1019.5	1018.1	1016.9
177.5°	1021.7	1020.6	1019.5	1018.2	1019.5	1020.6	1021.7	1022.8	1022.9	1021.9	1020.9
180°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1239.4	1241.1	1248.0	1254.5	1262.1	1267.8	1271.6	1275.9	1285.0	1292.2	1299.1
5°	1161.1	1163.9	1177.8	1187.5	1204.2	1218.6	1229.9	1242.2	1256.8	1276.7	1294.9
7.5°	1092.4	1102.3	1117.5	1133.3	1150.2	1169.2	1185.8	1204.4	1229.4	1256.7	1284.9
10°	1053.2	1064.5	1080.7	1098.8	1115.0	1137.0	1157.4	1179.4	1207.9	1241.2	1274.6
12.5°	1014.1	1032.7	1044.9	1066.6	1084.1	1102.2	1123.9	1152.8	1186.0	1221.0	1261.2
15°	965.1	975.3	999.0	1010.8	1035.5	1063.4	1084.9	1113.9	1146.1	1192.3	1237.5
17.5°	908.7	922.1	940.9	963.4	991.8	1013.6	1040.4	1070.2	1110.8	1156.7	1213.2
20°	871.7	882.9	906.1	930.8	960.9	983.9	1012.4	1041.4	1083.3	1132.2	1191.2
22.5°	838.6	849.5	873.8	896.9	926.0	954.3	984.0	1017.7	1057.9	1109.4	1169.7
25°	787.4	801.8	823.3	847.0	874.9	907.2	939.4	969.5	1012.4	1066.6	1131.1
27.5°	741.9	753.6	769.1	796.0	827.7	858.8	890.8	928.6	969.9	1027.2	1094.2
30°	712.7	723.5	739.0	763.8	793.2	826.6	859.9	896.4	939.4	996.3	1064.5
32.5°	689.5	697.7	711.6	733.7	760.6	795.7	828.5	866.4	911.4	967.6	1034.0
35°	655.2	662.3	667.6	688.5	712.7	745.0	778.2	818.5	862.0	915.2	981.8
37.5°	621.6	624.0	631.9	645.6	669.0	698.6	729.5	769.2	813.7	867.8	927.9
40°	601.0	602.1	606.9	619.8	640.3	668.1	698.2	737.4	779.8	830.9	890.5
42.5°	580.8	580.2	584.6	593.6	612.7	638.0	667.7	703.5	745.9	793.0	849.2
45°	548.9	548.9	547.9	555.3	570.9	595.6	620.4	654.7	690.1	736.4	783.7
47.5°	515.6	512.6	513.5	517.5	530.5	550.9	575.7	603.9	635.2	674.3	715.7
50°	494.1	489.8	488.2	492.5	504.3	522.0	545.6	570.4	600.0	634.3	669.7
52.5°	470.5	466.2	463.3	466.3	477.3	493.7	515.1	536.8	563.4	591.4	622.1
55°	433.9	429.1	427.5	428.6	436.7	449.5	467.8	487.7	507.6	530.7	552.1
57.5°	398.0	390.0	388.5	388.0	393.5	405.4	420.6	437.9	452.3	466.3	489.2
60°	374.4	364.7	361.4	360.9	365.3	374.9	388.9	406.1	416.3	425.9	445.8
62.5°	349.0	339.7	332.6	333.5	337.3	346.5	358.8	371.2	378.0	388.5	401.9
65°	309.9	298.1	292.8	291.1	293.3	300.7	310.4	318.5	326.0	330.3	343.2
67.5°	270.8	260.9	253.0	251.1	250.0	255.2	263.2	268.0	273.4	277.1	284.8
70°	243.3	234.7	225.0	221.8	221.3	225.6	233.1	233.6	241.2	242.8	250.9
72.5°	216.2	205.5	198.8	195.6	193.4	197.2	202.2	203.6	207.6	210.6	214.7
75°	174.0	165.9	159.6	154.7	153.1	155.2	155.2	157.9	160.6	162.2	167.0
77.5°	136.9	127.7	120.1	117.3	115.3	114.0	115.1	116.7	115.4	118.3	119.4
80°	111.2	101.5	95.6	94.5	91.3	88.7	88.1	89.7	87.6	88.7	91.8
82.5°	85.8	79.6	73.2	72.2	68.1	66.8	66.1	65.2	65.2	65.0	65.6
85°	51.0	47.3	42.9	40.3	38.7	36.0	36.0	34.9	33.8	32.7	33.3
87.5°	24.3	23.2	20.8	19.3	18.1	16.1	15.8	14.1	13.2	12.4	11.6
90°	18.4	17.4	16.0	14.5	13.1	11.7	10.1	8.2	6.3	4.3	2.3
92.5°	31.9	31.3	30.3	29.3	28.3	27.4	25.8	23.5	21.3	19.1	16.9
95°	60.5	60.0	58.8	57.6	56.4	55.1	53.7	52.1	50.5	49.0	47.4
97.5°	95.5	94.9	93.4	92.0	90.6	89.2	87.8	86.5	85.2	84.0	82.7
100°	121.2	120.8	119.2	117.6	116.0	114.5	113.3	112.6	111.9	111.2	110.6
102.5°	147.8	147.3	145.9	144.4	143.0	141.6	140.7	140.5	140.2	139.9	139.6
105°	188.4	187.9	187.2	186.5	185.8	185.1	184.7	184.5	184.3	184.1	184.0
107.5°	232.5	232.0	231.9	231.8	231.7	231.6	231.4	231.2	231.0	230.8	230.6
110°	262.6	262.9	263.1	263.3	263.5	263.6	263.5	263.2	262.8	262.5	262.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	293.8	293.9	294.2	294.5	294.8	295.1	295.3	295.2	295.1	295.0	295.0
115°	342.4	342.6	343.0	343.4	343.7	344.1	344.3	344.3	344.3	344.3	344.3
117.5°	389.6	390.2	390.4	390.6	390.9	391.1	391.2	391.0	390.9	390.8	390.6
120°	421.5	422.4	422.9	423.4	423.9	424.4	424.4	423.7	423.0	422.3	421.6
122.5°	453.3	453.9	454.2	454.4	454.7	454.9	454.9	454.6	454.3	454.0	453.8
125°	500.2	500.6	500.7	500.9	501.1	501.2	501.3	501.3	501.3	501.3	501.3
127.5°	545.2	545.5	545.8	546.1	546.3	546.6	546.5	546.0	545.5	544.9	544.4
130°	576.7	577.1	577.1	577.1	577.1	577.1	576.8	576.3	575.8	575.3	574.7
132.5°	606.4	606.8	606.9	607.1	607.2	607.3	607.2	606.8	606.5	606.1	605.7
135°	651.0	651.4	651.4	651.4	651.4	651.4	650.9	649.7	648.7	647.6	646.6
137.5°	694.2	694.6	694.3	694.1	693.8	693.5	693.1	692.6	692.1	691.7	691.2
140°	722.3	722.4	722.4	722.4	722.4	722.4	722.3	721.9	721.5	721.1	720.8
142.5°	748.9	748.9	749.0	749.2	749.3	749.5	749.4	749.0	748.7	748.3	748.0
145°	789.3	789.5	789.3	789.1	789.0	788.8	788.4	787.7	787.0	786.3	785.6
147.5°	825.9	826.0	826.1	826.3	826.4	826.6	826.2	825.4	824.5	823.6	822.8
150°	848.7	848.7	848.7	848.7	848.7	848.7	848.4	847.7	847.0	846.3	845.6
152.5°	870.0	869.6	869.4	869.3	869.1	869.0	868.7	868.3	867.9	867.5	867.1
155°	899.9	899.3	899.4	899.6	899.8	899.9	900.0	900.0	900.0	900.0	900.0
157.5°	926.8	926.2	926.2	926.3	926.3	926.3	926.6	926.9	927.2	927.5	927.9
160°	943.2	942.7	942.8	943.0	943.2	943.3	943.5	943.7	943.9	944.0	944.2
162.5°	957.6	956.5	956.7	956.9	957.0	957.3	957.6	958.1	958.5	959.0	959.4
165°	976.8	975.8	976.1	976.5	976.8	977.2	977.7	978.2	978.8	979.3	979.8
167.5°	993.3	992.2	992.2	992.2	992.1	992.1	992.5	993.2	993.9	994.6	995.4
170°	1002.1	1001.1	1000.9	1000.8	1000.6	1000.4	1000.8	1001.6	1002.5	1003.4	1004.2
172.5°	1008.6	1007.4	1007.3	1007.3	1007.3	1007.2	1007.6	1008.4	1009.1	1009.9	1010.6
175°	1015.7	1014.5	1014.7	1014.8	1015.0	1015.2	1015.7	1016.6	1017.4	1018.3	1019.3
177.5°	1019.9	1019.0	1019.0	1019.0	1019.0	1019.0	1019.3	1020.0	1020.7	1021.4	1022.1
180°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1305.1	1309.4	1315.0	1324.4	1327.9	1332.2	1338.2	1337.8	1339.5	1345.9	1359.7
5°	1310.0	1326.6	1342.7	1362.0	1382.5	1395.8	1414.1	1425.4	1436.7	1451.2	1475.9
7.5°	1311.9	1338.3	1367.9	1401.8	1432.0	1466.8	1494.0	1519.5	1542.6	1573.3	1602.7
10°	1308.9	1344.3	1382.5	1425.4	1471.1	1509.7	1544.7	1584.4	1618.2	1655.3	1688.6
12.5°	1303.3	1346.0	1397.0	1445.2	1498.5	1555.7	1599.2	1639.4	1684.5	1727.1	1778.4
15°	1290.6	1349.2	1408.8	1472.2	1543.6	1609.6	1672.4	1724.5	1772.9	1836.8	1904.0
17.5°	1274.6	1337.7	1412.9	1489.6	1564.2	1639.7	1717.5	1795.8	1856.8	1936.2	1988.7
20°	1259.5	1332.5	1409.9	1501.2	1575.8	1669.8	1747.2	1822.9	1906.6	1985.6	2048.4
22.5°	1238.4	1318.4	1400.4	1491.3	1589.5	1683.5	1772.9	1855.1	1938.8	2024.7	2100.8
25°	1211.6	1284.1	1381.4	1484.5	1582.3	1684.3	1786.9	1890.0	1980.2	2071.0	2141.9
27.5°	1166.1	1257.7	1348.2	1454.6	1563.3	1678.7	1788.4	1896.3	1990.8	2065.5	2109.4
30°	1143.0	1222.4	1320.7	1427.5	1545.2	1669.3	1783.6	1889.5	1977.5	2037.2	2054.9
32.5°	1108.5	1190.6	1286.8	1397.5	1522.0	1649.5	1768.6	1868.5	1941.9	1973.2	1951.8
35°	1057.5	1131.7	1228.8	1342.2	1471.6	1607.5	1725.2	1809.5	1847.0	1817.5	1743.9
37.5°	996.3	1069.8	1167.4	1278.7	1412.6	1550.7	1657.1	1717.8	1705.4	1631.8	1522.2
40°	953.3	1022.1	1115.0	1235.3	1365.8	1504.4	1597.8	1630.6	1596.2	1491.0	1374.4
42.5°	905.6	972.7	1066.0	1182.0	1320.3	1448.0	1529.5	1532.2	1474.6	1348.8	1231.7
45°	833.0	897.0	985.0	1105.9	1233.7	1354.0	1407.7	1381.4	1275.1	1153.7	1036.0
47.5°	761.3	816.8	903.6	1018.3	1139.7	1241.0	1267.6	1220.2	1106.9	989.1	880.1
50°	708.9	764.8	846.5	956.0	1073.1	1160.6	1173.6	1110.6	999.6	880.8	795.5
52.5°	658.6	714.1	792.7	894.1	1001.4	1080.3	1080.8	1008.0	897.3	791.4	712.1
55°	584.9	634.8	705.7	796.5	892.1	953.8	938.9	863.6	767.5	675.7	606.3
57.5°	513.8	557.2	622.6	698.3	782.5	833.4	808.5	736.1	650.3	572.4	519.9
60°	467.8	509.2	565.0	636.4	707.3	747.1	723.5	657.9	579.0	516.1	470.5
62.5°	423.1	458.1	511.7	573.7	639.4	668.9	647.8	583.2	514.9	458.2	421.1
65°	359.8	388.3	431.3	484.4	532.3	557.4	539.8	479.6	427.5	386.7	357.2
67.5°	300.7	323.0	355.6	398.2	438.8	452.4	436.4	394.5	350.3	317.6	296.8
70°	259.9	280.9	308.3	341.0	376.5	391.0	374.9	341.5	305.6	275.5	255.1
72.5°	224.3	240.5	263.6	291.6	319.3	333.9	322.9	290.8	260.4	238.1	220.8
75°	170.8	184.8	200.9	220.8	242.3	251.9	242.3	220.3	199.2	182.6	170.3
77.5°	124.2	131.7	144.1	159.0	172.4	179.9	171.5	156.5	143.7	132.3	126.2
80°	94.5	99.9	108.5	120.3	129.5	136.4	131.1	118.7	108.5	101.0	98.3
82.5°	68.8	72.4	78.0	86.7	92.9	96.4	94.1	85.1	81.0	74.3	71.6
85°	33.8	36.0	39.8	42.4	47.8	48.4	48.9	45.1	41.4	39.8	37.6
87.5°	12.4	13.2	14.9	16.7	18.7	19.4	19.3	19.5	18.1	17.9	16.4
90°	4.3	6.3	8.2	10.1	11.7	13.1	14.5	16.0	17.4	18.4	19.5
92.5°	19.1	21.3	23.5	25.8	27.4	28.3	29.3	30.3	31.3	31.9	32.5
95°	49.0	50.5	52.1	53.7	55.1	56.4	57.6	58.8	60.0	60.5	61.1
97.5°	84.0	85.2	86.5	87.8	89.2	90.6	92.0	93.4	94.9	95.5	96.1
100°	111.2	111.9	112.6	113.3	114.5	116.0	117.6	119.2	120.8	121.2	121.5
102.5°	139.9	140.2	140.5	140.7	141.6	143.0	144.4	145.9	147.3	147.8	148.3
105°	184.1	184.3	184.5	184.7	185.1	185.8	186.5	187.2	187.9	188.4	188.9
107.5°	230.8	231.0	231.2	231.4	231.6	231.7	231.8	231.9	232.0	232.5	233.0
110°	262.5	262.8	263.2	263.5	263.6	263.5	263.3	263.1	262.9	262.6	262.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	295.0	295.1	295.2	295.3	295.1	294.8	294.5	294.2	293.9	293.8	293.7
115°	344.3	344.3	344.3	344.3	344.1	343.7	343.4	343.0	342.6	342.4	342.2
117.5°	390.8	390.9	391.0	391.2	391.1	390.9	390.6	390.4	390.2	389.6	389.0
120°	422.3	423.0	423.7	424.4	424.4	423.9	423.4	422.9	422.4	421.5	420.6
122.5°	454.0	454.3	454.6	454.9	454.9	454.7	454.4	454.2	453.9	453.3	452.7
125°	501.3	501.3	501.3	501.3	501.2	501.1	500.9	500.7	500.6	500.2	499.9
127.5°	544.9	545.5	546.0	546.5	546.6	546.3	546.1	545.8	545.5	545.2	544.8
130°	575.3	575.8	576.3	576.8	577.1	577.1	577.1	577.1	577.1	576.7	576.4
132.5°	606.1	606.5	606.8	607.2	607.3	607.2	607.1	606.9	606.8	606.4	606.1
135°	647.6	648.7	649.7	650.9	651.4	651.4	651.4	651.4	651.4	651.0	650.7
137.5°	691.7	692.1	692.6	693.1	693.5	693.8	694.1	694.3	694.6	694.2	693.7
140°	721.1	721.5	721.9	722.3	722.4	722.4	722.4	722.4	722.4	722.3	722.1
142.5°	748.3	748.7	749.0	749.4	749.5	749.3	749.2	749.0	748.9	748.9	748.8
145°	786.3	787.0	787.7	788.4	788.8	789.0	789.1	789.3	789.5	789.3	789.1
147.5°	823.6	824.5	825.4	826.2	826.6	826.4	826.3	826.1	826.0	825.9	825.7
150°	846.3	847.0	847.7	848.4	848.7	848.7	848.7	848.7	848.7	848.7	848.7
152.5°	867.5	867.9	868.3	868.7	869.0	869.1	869.3	869.4	869.6	870.0	870.4
155°	900.0	900.0	900.0	900.0	899.9	899.8	899.6	899.4	899.3	899.9	900.6
157.5°	927.5	927.2	926.9	926.6	926.3	926.3	926.3	926.2	926.2	926.8	927.3
160°	944.0	943.9	943.7	943.5	943.3	943.2	943.0	942.8	942.7	943.2	943.7
162.5°	959.0	958.5	958.1	957.6	957.3	957.0	956.9	956.7	956.5	957.6	958.5
165°	979.3	978.8	978.2	977.7	977.2	976.8	976.5	976.1	975.8	976.8	978.0
167.5°	994.6	993.9	993.2	992.5	992.1	992.1	992.2	992.2	992.2	993.3	994.3
170°	1003.4	1002.5	1001.6	1000.8	1000.4	1000.6	1000.8	1000.9	1001.1	1002.1	1003.2
172.5°	1009.9	1009.1	1008.4	1007.6	1007.2	1007.3	1007.3	1007.3	1007.4	1008.6	1009.8
175°	1018.3	1017.4	1016.6	1015.7	1015.2	1015.0	1014.8	1014.7	1014.5	1015.7	1016.9
177.5°	1021.4	1020.7	1020.0	1019.3	1019.0	1019.0	1019.0	1019.0	1019.0	1019.9	1020.9
180°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1366.5	1367.5	1371.3	1374.3	1375.1	1379.5	1379.9
5°	1486.6	1495.8	1513.5	1515.1	1517.8	1531.8	1521.1
7.5°	1627.4	1650.5	1666.1	1679.7	1684.7	1690.7	1689.5
10°	1717.6	1752.0	1769.2	1796.5	1797.7	1804.6	1800.3
12.5°	1808.3	1848.3	1879.6	1884.6	1907.6	1911.2	1917.2
15°	1936.7	1979.1	2022.7	2038.2	2069.9	2077.5	2089.3
17.5°	2057.5	2100.8	2131.3	2171.6	2184.6	2202.0	2190.2
20°	2123.6	2170.9	2209.6	2241.3	2254.7	2264.3	2263.3
22.5°	2163.6	2211.3	2242.6	2266.6	2279.2	2283.3	2283.0
25°	2188.6	2216.0	2225.6	2234.8	2220.9	2216.0	2218.2
27.5°	2119.0	2111.9	2086.7	2053.6	2019.2	1992.0	1977.1
30°	2023.2	1981.4	1943.2	1876.5	1842.2	1821.8	1803.5
32.5°	1887.4	1821.1	1747.7	1686.7	1647.6	1617.3	1612.8
35°	1654.8	1554.9	1465.2	1390.5	1351.8	1319.1	1311.5
37.5°	1406.8	1303.0	1222.3	1156.6	1115.0	1091.9	1070.3
40°	1242.2	1153.2	1073.6	1017.7	986.1	969.5	956.0
42.5°	1115.5	1034.1	955.0	912.5	883.8	873.6	865.8
45°	940.4	864.7	809.9	777.7	761.0	743.9	735.8
47.5°	800.2	738.6	702.5	675.1	657.3	647.1	642.0
50°	720.7	670.2	638.0	617.1	601.0	592.9	588.7
52.5°	650.3	608.8	581.8	565.1	554.2	548.3	546.5
55°	560.2	528.5	511.3	496.9	488.8	483.4	481.2
57.5°	487.0	462.5	448.6	436.7	433.5	429.0	427.5
60°	438.8	420.0	408.2	400.1	397.5	392.0	393.1
62.5°	396.3	380.9	370.8	366.2	362.6	358.1	359.6
65°	335.2	323.9	318.5	314.2	309.9	307.2	309.3
67.5°	281.2	273.5	266.2	263.7	261.6	261.2	258.8
70°	246.0	239.5	233.1	231.5	231.5	229.3	228.8
72.5°	212.1	207.3	203.0	201.9	200.2	201.0	198.7
75°	163.8	160.1	158.4	156.8	156.3	156.3	154.7
77.5°	121.1	118.3	115.7	115.7	113.7	113.0	112.8
80°	91.8	90.8	88.7	88.7	87.6	88.1	87.1
82.5°	69.1	67.6	67.2	66.2	64.7	64.8	63.8
85°	37.1	35.4	34.9	33.3	32.2	33.3	32.2
87.5°	17.0	16.8	16.5	15.7	15.3	15.5	14.2
90°	20.5	21.6	22.3	22.6	23.0	23.3	23.7
92.5°	33.1	33.8	34.2	34.4	34.6	34.8	35.0
95°	61.6	62.1	62.4	62.4	62.4	62.4	62.4
97.5°	96.7	97.5	97.8	97.8	97.8	97.8	97.8
100°	121.9	122.2	122.4	122.4	122.4	122.4	122.4
102.5°	148.8	149.3	149.6	149.8	149.9	150.1	150.2
105°	189.5	190.0	190.6	191.1	191.6	192.1	192.7
107.5°	233.4	233.9	234.2	234.1	234.1	234.1	234.0
110°	261.9	261.5	261.6	262.2	262.7	263.2	263.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	293.7	293.6	293.6	293.7	293.8	293.9	294.0
115°	342.1	341.9	341.7	341.6	341.4	341.2	341.0
117.5°	388.4	387.8	387.3	387.0	386.6	386.3	385.9
120°	419.7	418.9	418.6	419.0	419.3	419.7	420.0
122.5°	452.2	451.6	451.0	450.3	449.7	449.1	448.5
125°	499.5	499.2	498.8	498.5	498.1	497.8	497.4
127.5°	544.5	544.1	543.8	543.5	543.3	543.0	542.7
130°	576.0	575.7	575.2	574.5	573.8	573.1	572.4
132.5°	605.7	605.4	605.1	604.8	604.5	604.2	604.0
135°	650.3	649.9	649.4	648.9	648.4	647.9	647.4
137.5°	693.3	692.8	692.6	692.7	692.8	692.9	693.1
140°	721.9	721.6	721.5	721.3	721.1	720.9	720.8
142.5°	748.8	748.8	748.7	748.7	748.7	748.6	748.6
145°	789.0	788.8	788.4	787.9	787.4	786.9	786.4
147.5°	825.6	825.4	825.3	825.1	824.9	824.8	824.6
150°	848.7	848.7	848.6	848.5	848.3	848.1	847.9
152.5°	870.8	871.2	871.2	870.8	870.3	869.9	869.4
155°	901.3	902.0	902.0	901.3	900.6	899.9	899.3
157.5°	927.9	928.4	928.3	927.8	927.2	926.6	925.9
160°	944.2	944.7	944.6	943.7	942.8	942.0	941.1
162.5°	959.4	960.4	960.4	959.5	958.7	957.8	956.8
165°	979.0	980.1	980.2	979.5	978.8	978.1	977.4
167.5°	995.4	996.4	996.4	995.3	994.2	993.2	992.1
170°	1004.2	1005.3	1005.2	1004.0	1002.8	1001.5	1000.3
172.5°	1011.0	1012.2	1012.2	1011.0	1009.7	1008.5	1007.2
175°	1018.1	1019.5	1019.5	1018.1	1016.9	1015.7	1014.5
177.5°	1021.9	1022.9	1022.8	1021.7	1020.6	1019.5	1018.2
180°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8

(END OF REPORT)