

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: P331829-840

Luminaire Tested: **S122RDIW-S865D710U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331829-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S865D710U840-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6198.3 lumens
Efficiency: N/A
Efficacy: 115.6 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

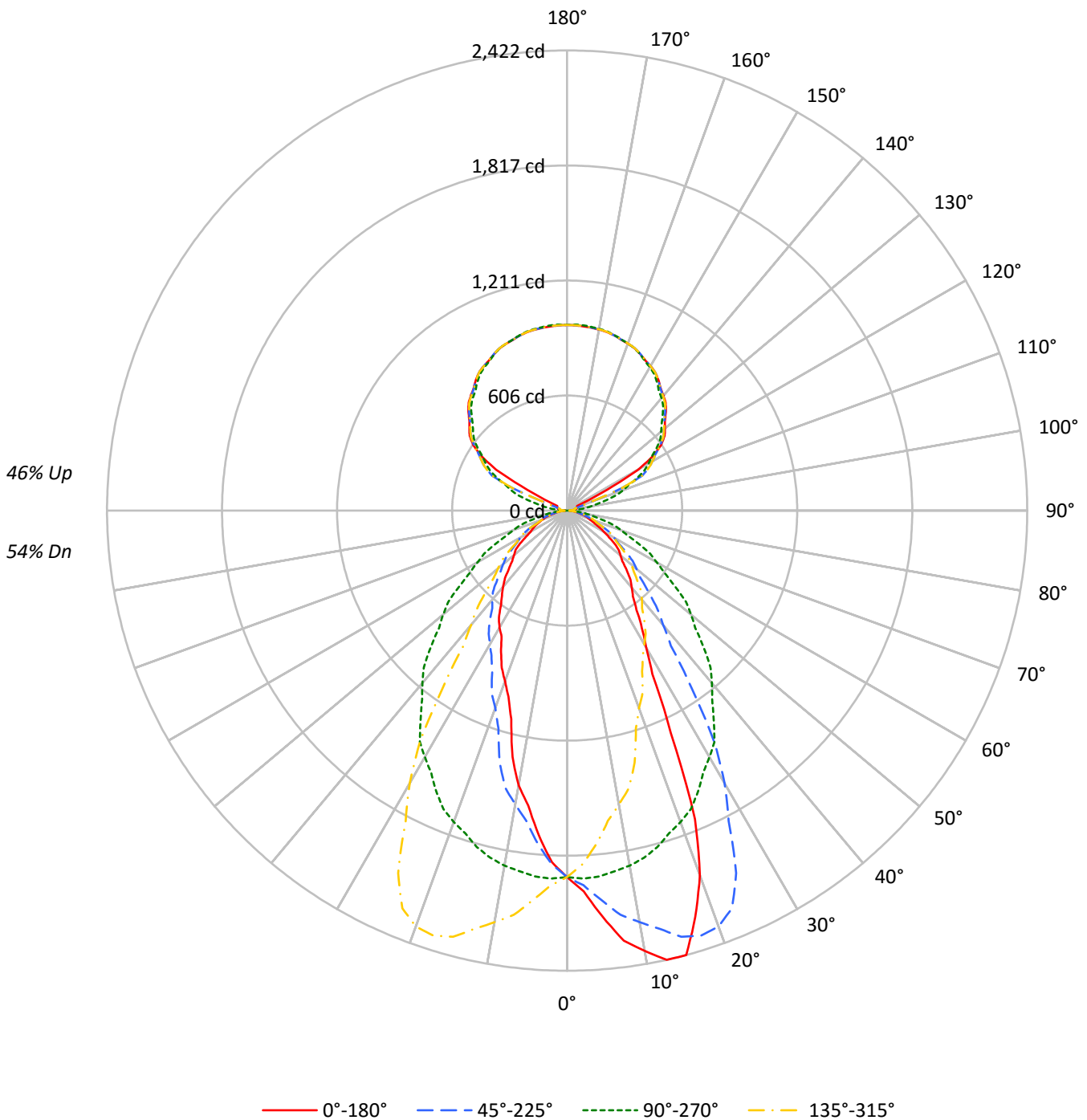
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54	54	54	47	47	47	41		
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47	47	47	41	41	41	36		
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45	41	41	41	36	36	36	31		
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	42	39	36	36	36	31	31	31	28		
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35	31	31	31	28	28	28	25		
5	71	60	53	47	66	56	50	45	49	44	40	43	39	35	36	33	31	28	28	28	25	25	25	23		
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25	25	25	23	23	23	21		
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23	23	23	21	21	21	19		
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23	21	21	21	19	19	19	17		
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19	19	19	17	17	17	15		
10	50	38	32	27	47	36	30	26	32	27	24	29	24	21	25	22	19	17	17	17	15	15	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31136	31136	31136	31136
5°	34775	31331	27780	31331
10°	38581	31111	24079	31111
15°	40478	30654	18974	30654
20°	35093	29979	16417	29979
25°	23013	29054	14658	29054
30°	15491	27932	13267	27932
35°	12546	26518	11964	26518
40°	11158	24982	11072	24982
45°	10097	23178	9882	23178
50°	9191	21391	9156	21391
55°	8639	19409	8526	19409
60°	7227	17589	7143	17589
65°	6094	15973	6911	15973
70°	5632	14266	6515	14266
75°	5265	12414	6014	12414
80°	4863	10219	5365	10219
85°	4465	8058	4705	8058



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	2.9
10°-20°	509.4	8.2
20°-30°	656.4	10.6
30°-40°	623.8	10.1
40°-50°	534.4	8.6
50°-60°	406.9	6.6
60°-70°	257.2	4.2
70°-80°	128.5	2.1
80°-90°	35.8	0.6
90°-100°	32.6	0.5
100°-110°	119.5	1.9
110°-120°	319.5	5.2
120°-130°	527.3	8.5
130°-140°	560.8	9.0
140°-150°	521.3	8.4
150°-160°	419.1	6.8
160°-170°	270.1	4.4
170°-180°	93.0	1.5
0°-30°	1348.5	21.8
0°-40°	1972.3	31.8
0°-60°	2913.6	47.0
0°-90°	3335.1	53.8
90°-120°	471.6	7.6
90°-150°	2081.0	33.6
90°-180°	2863.0	46.2
0°-180°	6198.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1928	1928	1928	1928	1928	
5°	2146	1933	1714	1933	2146	212
15°	2422	1834	1135	1834	2422	653
25°	1292	1631	823	1631	1292	613
35°	636	1345	607	1345	636	407
45°	442	1015	433	1015	442	342
55°	307	690	303	690	307	269
65°	160	418	181	418	160	162
75°	84	199	96	199	84	90
85°	24	44	25	44	24	26
90°	19	1	19	1	19	10
95°	30	46	30	46	30	28
105°	54	215	54	215	54	56
115°	58	406	58	406	58	145
125°	604	575	604	575	604	523
135°	735	711	735	711	735	566
145°	838	825	838	825	838	524
155°	909	908	909	908	909	419
165°	955	957	955	957	955	270
175°	974	979	974	979	974	93
180°	977	977	977	977	977	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	2006.7	2008.3	2009.9	2006.1	2006.1	2003.0	1996.0	1990.6	1975.6	1973.5	1973.5
5°	2145.6	2144.1	2146.9	2138.2	2126.1	2123.4	2110.7	2094.0	2076.5	2057.1	2053.1
7.5°	2283.5	2281.5	2276.1	2274.7	2265.4	2245.2	2224.7	2202.9	2173.9	2145.7	2131.4
10°	2353.2	2375.3	2362.0	2338.4	2343.2	2311.7	2294.9	2266.1	2242.0	2199.8	2190.4
12.5°	2421.9	2430.5	2426.3	2413.0	2407.0	2385.1	2362.5	2337.4	2292.9	2255.0	2222.0
15°	2421.6	2434.3	2437.6	2433.7	2437.0	2435.7	2423.6	2402.8	2364.0	2322.4	2286.2
17.5°	2242.8	2251.7	2273.6	2288.5	2307.2	2346.9	2366.5	2374.1	2368.3	2344.6	2319.2
20°	2042.4	2027.6	2089.2	2120.7	2147.5	2214.5	2272.2	2294.3	2329.8	2329.2	2322.4
22.5°	1758.2	1761.7	1820.2	1857.5	1935.8	2002.8	2068.5	2151.7	2220.4	2265.8	2292.4
25°	1291.8	1317.4	1375.6	1426.5	1513.7	1638.3	1751.5	1882.9	2006.8	2104.7	2197.8
27.5°	970.3	972.1	1018.3	1065.4	1117.1	1219.2	1361.8	1518.6	1695.4	1841.2	2008.9
30°	830.9	826.9	846.3	875.0	919.3	998.4	1105.6	1259.7	1435.9	1655.7	1851.4
32.5°	732.3	732.5	747.1	768.4	805.2	858.5	931.9	1057.1	1223.7	1439.7	1669.1
35°	636.5	635.9	646.6	662.0	677.4	711.6	761.8	827.5	942.1	1143.8	1378.3
37.5°	567.9	570.9	576.1	585.7	602.8	621.8	652.0	696.1	777.7	897.0	1094.1
40°	529.4	530.7	538.1	546.1	556.1	570.9	595.7	631.2	690.8	786.0	930.0
42.5°	493.9	495.3	500.5	508.1	515.9	530.7	551.2	581.9	630.3	704.5	823.3
45°	442.2	442.2	447.0	450.3	459.0	472.4	489.2	514.6	548.1	603.1	682.2
47.5°	393.7	393.8	397.0	402.7	408.2	418.7	435.2	456.0	480.3	522.8	590.4
50°	365.9	366.5	368.5	373.2	376.6	386.0	398.7	416.8	442.2	475.0	531.4
52.5°	343.4	343.0	345.5	347.5	349.8	356.5	366.0	381.9	404.8	433.2	479.9
55°	306.9	304.2	308.2	311.5	313.6	316.3	321.6	331.6	351.1	375.3	410.1
57.5°	261.4	260.2	263.1	266.1	272.5	279.6	284.3	290.6	300.7	318.0	352.5
60°	223.8	223.8	229.8	231.9	239.2	248.6	258.0	263.4	273.4	284.8	310.2
62.5°	190.6	191.1	193.9	195.9	200.1	211.6	224.7	236.5	246.0	256.9	273.8
65°	159.5	160.8	160.8	162.2	164.8	167.5	172.9	182.3	199.0	214.4	227.1
67.5°	135.3	135.7	136.1	137.5	138.1	141.1	143.3	147.4	151.3	165.9	181.7
70°	119.3	121.3	120.6	122.0	122.6	123.9	126.6	128.7	134.7	138.0	147.4
72.5°	104.2	105.7	105.6	106.4	108.2	108.5	110.6	112.6	116.4	119.3	124.3
75°	84.4	83.7	84.4	85.7	86.4	87.2	87.2	89.8	91.8	94.5	97.9
77.5°	65.1	65.8	65.6	65.8	65.9	67.2	67.1	68.2	70.2	71.6	73.2
80°	52.3	52.9	52.3	52.9	53.6	54.2	53.6	54.2	56.2	57.7	57.7
82.5°	40.5	40.6	41.0	41.1	41.3	41.4	42.3	42.5	43.9	43.7	44.2
85°	24.1	23.4	23.4	23.4	24.1	24.7	24.1	24.1	24.7	24.7	24.7
87.5°	12.4	12.8	12.8	12.7	12.7	12.5	12.4	12.8	12.1	12.5	11.7
90°	19.1	18.8	18.5	18.2	17.9	17.3	16.5	15.8	14.9	14.1	12.9
92.5°	19.1	18.9	18.7	18.5	18.4	18.1	17.7	17.3	16.8	16.4	15.8
95°	30.4	30.6	30.7	30.9	31.0	30.7	29.9	29.2	28.4	27.6	26.5
97.5°	40.6	40.4	40.2	40.0	39.8	39.4	38.8	38.2	37.6	36.9	34.3
100°	47.4	47.1	46.8	46.5	46.2	45.3	44.0	42.8	41.5	40.3	37.7
102.5°	50.8	50.3	49.9	49.5	49.0	48.0	46.4	44.7	43.0	41.4	63.7
105°	53.7	53.1	52.5	51.8	51.2	50.0	48.3	46.6	44.8	43.1	86.0
107.5°	55.2	54.6	54.0	53.4	52.8	53.3	55.1	56.9	58.6	60.4	111.8
110°	55.8	55.2	54.6	53.9	53.3	60.9	76.5	92.3	108.1	123.7	169.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	56.5	55.9	55.4	54.9	54.4	82.8	140.2	197.4	254.8	312.0	323.3
115°	58.0	69.3	80.6	91.9	103.2	145.2	217.9	290.7	363.5	436.2	432.2
117.5°	236.7	273.9	311.0	348.2	385.4	412.7	430.3	448.0	465.5	483.1	480.4
120°	431.2	452.4	473.6	494.8	516.0	525.7	523.8	522.0	520.1	518.2	515.3
122.5°	538.2	542.3	546.3	550.5	554.6	556.1	554.9	553.8	552.7	551.6	548.5
125°	604.4	604.0	603.5	603.0	602.6	601.8	600.7	599.6	598.4	597.3	594.4
127.5°	646.3	646.2	646.1	646.0	645.9	645.1	643.5	641.9	640.3	638.6	636.4
130°	672.4	672.5	672.7	672.8	673.0	672.2	670.4	668.7	667.0	665.3	663.5
132.5°	697.8	697.9	698.1	698.2	698.4	697.7	696.3	694.8	693.3	691.9	690.1
135°	734.6	734.9	735.2	735.5	735.8	735.2	733.6	732.1	730.4	728.9	727.5
137.5°	768.0	768.6	769.1	769.6	770.2	769.7	768.1	766.6	765.1	763.6	761.9
140°	789.0	789.7	790.5	791.3	792.1	791.8	790.4	789.0	787.6	786.2	784.4
142.5°	809.3	810.1	810.9	811.7	812.4	812.2	810.9	809.6	808.4	807.1	805.1
145°	837.8	838.5	839.3	840.1	840.9	840.7	839.6	838.5	837.5	836.4	833.6
147.5°	862.7	863.4	864.1	864.7	865.5	865.4	864.5	863.7	862.9	862.0	859.4
150°	878.1	878.8	879.6	880.4	881.2	881.1	880.2	879.2	878.3	877.4	874.8
152.5°	891.0	892.1	893.1	894.1	895.2	895.2	894.3	893.3	892.4	891.5	889.1
155°	909.2	910.4	911.7	912.9	914.1	914.3	913.4	912.4	911.5	910.6	908.7
157.5°	925.6	927.0	928.2	929.4	930.6	930.7	929.6	928.6	927.5	926.3	925.0
160°	935.3	936.4	937.5	938.6	939.7	939.8	938.9	937.9	937.0	936.0	935.0
162.5°	943.2	944.5	945.9	947.3	948.7	948.8	947.7	946.6	945.5	944.5	943.7
165°	955.1	956.2	957.4	958.4	959.5	959.5	958.4	957.4	956.2	955.1	954.6
167.5°	962.6	964.0	965.4	966.8	968.3	968.4	967.3	966.2	965.1	964.0	963.6
170°	967.1	968.6	970.0	971.4	972.8	972.9	971.8	970.8	969.7	968.6	968.3
172.5°	970.5	971.9	973.3	974.7	976.1	976.3	975.2	974.1	973.0	971.9	971.6
175°	973.5	975.0	976.6	978.2	979.8	980.0	978.9	977.9	976.7	975.6	975.3
177.5°	975.3	976.4	977.5	978.8	979.9	980.0	979.1	978.3	977.3	976.4	976.3
180°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	1974.5	1970.2	1966.5	1956.8	1952.0	1941.3	1939.6	1939.1	1925.2	1911.8	1908.0
5°	2042.4	2031.6	2015.5	1996.8	1977.3	1957.2	1943.8	1933.1	1906.3	1880.9	1866.1
7.5°	2110.7	2087.6	2059.9	2024.4	1994.8	1961.6	1936.8	1914.7	1876.7	1840.3	1815.7
10°	2161.6	2124.0	2087.2	2038.3	2000.1	1962.6	1927.7	1897.6	1854.7	1806.4	1772.3
12.5°	2193.2	2151.9	2101.1	2053.4	2003.9	1956.1	1909.6	1870.8	1820.4	1770.6	1729.9
15°	2235.9	2191.7	2130.1	2061.7	1998.1	1935.8	1882.2	1833.9	1768.3	1708.6	1659.0
17.5°	2271.0	2210.1	2143.9	2064.9	1991.2	1912.0	1842.9	1781.3	1708.2	1636.3	1577.8
20°	2282.2	2221.9	2145.6	2066.5	1979.3	1886.2	1811.8	1744.8	1666.4	1588.0	1521.1
22.5°	2275.2	2228.4	2143.3	2048.7	1959.5	1862.1	1778.1	1700.3	1613.4	1533.4	1455.6
25°	2228.0	2211.8	2131.4	2028.2	1926.4	1813.2	1716.0	1630.9	1531.8	1446.0	1361.5
27.5°	2117.7	2152.3	2102.5	1992.6	1879.4	1758.0	1648.7	1551.9	1449.0	1352.4	1268.3
30°	2011.6	2091.2	2069.8	1967.9	1841.3	1722.0	1599.4	1498.2	1388.4	1289.2	1206.1
32.5°	1866.2	1997.9	2018.9	1933.7	1802.7	1671.6	1543.2	1442.5	1327.8	1223.2	1142.3
35°	1635.0	1831.9	1922.4	1868.1	1736.8	1595.4	1462.7	1345.4	1230.2	1127.0	1046.6
37.5°	1359.0	1627.3	1778.1	1781.9	1661.3	1514.3	1369.9	1253.4	1135.5	1034.2	947.2
40°	1179.9	1470.8	1667.1	1710.6	1608.8	1450.0	1303.9	1185.3	1070.1	970.9	871.1
42.5°	1019.2	1308.9	1550.2	1626.0	1545.0	1387.3	1240.7	1116.7	1004.7	910.9	808.9
45°	824.2	1077.4	1343.4	1478.8	1433.9	1287.9	1133.1	1015.1	909.9	828.9	731.0
47.5°	695.3	873.7	1131.1	1314.2	1313.4	1180.1	1027.8	914.9	817.3	741.3	662.2
50°	621.8	777.3	995.0	1202.7	1220.1	1108.2	963.5	851.6	760.5	680.8	617.1
52.5°	555.8	684.0	879.8	1078.9	1128.5	1031.6	891.2	787.9	699.4	626.1	571.6
55°	469.7	568.9	717.6	903.9	979.0	910.6	786.0	689.5	617.8	556.1	509.3
57.5°	397.4	471.7	591.1	741.0	828.5	785.5	682.7	604.3	542.9	487.2	450.1
60°	351.7	412.7	513.9	639.2	735.7	705.6	617.8	544.7	492.5	444.2	409.4
62.5°	308.9	361.3	448.0	549.7	638.1	625.7	554.0	492.7	447.0	402.9	373.4
65°	248.6	286.8	354.5	434.2	505.2	511.3	459.7	418.1	377.3	342.4	316.3
67.5°	197.9	222.9	270.5	337.7	390.9	409.9	378.4	346.7	314.3	287.3	264.7
70°	166.8	186.9	221.8	276.1	325.0	345.1	327.0	302.2	274.1	252.0	232.5
72.5°	135.2	154.8	180.5	220.4	262.3	284.0	277.7	259.8	237.0	218.7	200.4
75°	101.9	107.9	125.3	152.1	184.9	203.7	208.4	199.0	180.9	166.8	156.1
77.5°	75.3	79.0	87.3	101.3	122.8	139.5	146.3	145.2	132.8	124.6	114.6
80°	60.3	62.3	66.3	72.4	88.5	105.2	109.9	109.9	101.2	97.9	87.8
82.5°	45.8	47.3	49.7	53.0	60.6	75.1	80.4	81.5	75.9	71.6	63.6
85°	26.2	25.4	26.8	28.8	30.2	34.1	42.2	43.5	42.2	36.9	34.8
87.5°	11.4	11.7	11.5	10.6	10.8	11.0	13.3	15.7	13.9	12.6	11.9
90°	11.6	10.4	9.1	7.6	5.9	4.1	2.4	0.7	2.4	4.1	5.9
92.5°	15.1	14.5	13.9	13.6	13.8	13.9	14.1	14.2	14.1	13.9	13.8
95°	25.3	24.2	23.1	25.2	30.4	35.5	40.8	45.9	40.8	35.5	30.4
97.5°	31.8	29.3	26.8	32.7	47.4	62.0	76.5	91.2	76.5	62.0	47.4
100°	34.9	32.3	29.6	39.1	60.6	82.1	103.6	125.1	103.6	82.1	60.6
102.5°	86.1	108.5	130.8	144.2	148.8	153.3	157.9	162.5	157.9	153.3	148.8
105°	128.9	171.8	214.7	233.8	229.0	224.4	219.6	214.9	219.6	224.4	229.0
107.5°	163.3	214.7	266.1	289.9	286.1	282.4	278.5	274.7	278.5	282.4	286.1
110°	214.5	259.9	305.3	326.4	323.1	319.8	316.5	313.2	316.5	319.8	323.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	334.5	345.7	356.9	361.0	358.1	355.3	352.3	349.4	352.3	355.3	358.1
115°	428.4	424.4	420.5	417.2	414.5	411.8	409.2	406.5	409.2	411.8	414.5
117.5°	477.8	475.0	472.3	469.5	466.5	463.5	460.5	457.6	460.5	463.5	466.5
120°	512.5	509.7	506.9	504.3	501.9	499.6	497.3	494.8	497.3	499.6	501.9
122.5°	545.4	542.3	539.3	536.4	534.0	531.5	529.1	526.5	529.1	531.5	534.0
125°	591.4	588.4	585.4	582.9	580.9	578.9	576.8	574.7	576.8	578.9	580.9
127.5°	634.2	632.0	629.8	627.5	625.2	623.0	620.7	618.4	620.7	623.0	625.2
130°	661.8	660.0	658.3	656.2	653.7	651.2	648.6	646.1	648.6	651.2	653.7
132.5°	688.3	686.6	684.9	683.0	680.9	678.7	676.6	674.5	676.6	678.7	680.9
135°	726.1	724.7	723.3	721.2	718.7	716.2	713.7	711.2	713.7	716.2	718.7
137.5°	760.3	758.7	757.1	755.4	753.7	751.9	750.1	748.4	750.1	751.9	753.7
140°	782.6	780.9	779.2	777.7	776.5	775.2	774.0	772.7	774.0	775.2	776.5
142.5°	803.1	801.1	799.1	797.6	796.5	795.4	794.2	793.0	794.2	795.4	796.5
145°	831.0	828.3	825.7	824.4	824.6	824.8	824.9	825.1	824.9	824.8	824.6
147.5°	856.8	854.1	851.5	850.5	851.1	851.7	852.3	852.8	852.3	851.7	851.1
150°	872.3	869.8	867.3	866.6	867.7	868.8	869.9	871.0	869.9	868.8	867.7
152.5°	886.7	884.3	881.9	881.3	882.5	883.8	885.0	886.3	885.0	883.8	882.5
155°	906.8	904.9	903.0	902.8	904.2	905.6	907.1	908.5	907.1	905.6	904.2
157.5°	923.7	922.4	921.1	921.1	922.2	923.4	924.6	925.8	924.6	923.4	922.2
160°	934.1	933.2	932.2	932.2	933.2	934.1	935.0	936.0	935.0	934.1	933.2
162.5°	942.9	942.0	941.2	941.3	942.2	943.2	944.1	945.0	944.1	943.2	942.2
165°	954.1	953.7	953.2	953.4	954.4	955.3	956.2	957.3	956.2	955.3	954.4
167.5°	963.1	962.7	962.3	962.5	963.4	964.4	965.3	966.2	965.3	964.4	963.4
170°	968.0	967.6	967.2	967.6	968.6	969.5	970.4	971.4	970.4	969.5	968.6
172.5°	971.3	971.0	970.7	971.0	971.9	972.9	973.8	974.7	973.8	972.9	971.9
175°	975.0	974.6	974.3	974.7	975.8	976.9	978.1	979.2	978.1	976.9	975.8
177.5°	976.2	976.0	975.9	976.3	977.2	978.1	979.0	979.9	979.0	978.1	977.2
180°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0



TEST NUMBER: P331829-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	1901.1	1897.3	1890.4	1879.7	1873.2	1862.0	1854.4	1858.8	1859.8	1858.8	1857.6
5°	1850.0	1835.9	1816.5	1797.8	1780.3	1761.6	1750.8	1746.2	1736.8	1731.4	1728.8
7.5°	1788.3	1764.0	1736.5	1703.8	1676.1	1647.0	1632.1	1624.8	1605.6	1595.1	1586.0
10°	1742.1	1703.9	1676.5	1633.6	1607.5	1569.2	1543.2	1543.8	1517.6	1502.9	1492.2
12.5°	1691.2	1649.3	1603.6	1565.0	1528.6	1497.9	1466.5	1453.7	1426.0	1411.8	1382.8
15°	1606.8	1557.9	1509.6	1457.3	1420.5	1372.9	1327.4	1271.7	1226.9	1188.0	1177.3
17.5°	1514.6	1454.0	1405.6	1344.2	1281.1	1201.1	1148.3	1116.0	1088.9	1068.4	1053.2
20°	1451.4	1389.7	1338.1	1245.7	1160.5	1106.3	1067.4	1042.6	1014.5	992.4	980.3
22.5°	1384.8	1320.5	1250.2	1147.0	1080.7	1037.1	1002.5	974.0	954.9	937.7	926.7
25°	1290.5	1220.1	1104.3	1033.2	979.6	934.0	909.9	892.5	872.4	849.0	838.2
27.5°	1190.8	1078.9	995.7	942.9	891.7	862.1	840.4	814.4	796.4	785.9	774.7
30°	1116.3	1004.4	939.4	881.8	845.6	812.7	787.3	772.5	755.2	737.1	729.7
32.5°	1033.2	943.8	881.5	833.5	796.8	768.8	748.7	724.9	712.3	701.1	685.7
35°	930.0	862.3	805.4	766.6	731.7	708.9	685.5	671.4	648.6	639.2	633.2
37.5°	842.6	784.0	741.4	700.4	672.9	647.6	633.3	611.0	601.1	588.0	575.3
40°	793.3	735.7	694.9	661.4	630.6	611.8	593.7	575.6	560.9	554.8	539.4
42.5°	743.0	696.1	655.2	618.4	597.8	577.9	555.1	541.8	526.5	516.7	507.3
45°	673.4	631.9	597.0	566.8	544.1	523.3	508.6	486.5	477.8	458.3	450.3
47.5°	612.3	573.7	540.5	511.8	489.6	476.1	454.4	437.2	423.2	411.3	400.9
50°	568.9	536.7	504.5	479.1	459.0	439.6	417.5	408.7	387.3	381.2	375.3
52.5°	529.2	498.7	469.2	444.2	424.1	405.3	385.8	374.5	359.9	354.0	349.5
55°	473.7	444.2	416.1	393.9	373.9	354.5	342.4	328.3	321.6	316.9	311.5
57.5°	418.0	391.4	369.9	347.5	327.3	311.8	297.9	289.4	282.5	276.3	269.9
60°	382.6	357.1	337.7	316.9	296.2	283.5	272.7	262.7	254.6	245.2	242.6
62.5°	345.1	322.9	305.0	284.8	266.7	255.0	244.8	235.3	225.7	212.0	208.2
65°	293.5	276.1	257.3	240.5	224.5	213.1	198.3	187.6	183.6	182.3	181.6
67.5°	246.8	230.4	214.3	197.1	182.5	172.0	164.4	162.8	160.0	159.2	157.3
70°	215.7	200.4	184.3	168.1	154.1	152.1	149.5	146.7	143.4	142.1	140.7
72.5°	187.8	172.0	155.8	143.0	136.9	134.4	131.7	129.1	126.7	125.4	124.6
75°	144.1	129.4	118.6	113.9	110.6	108.6	104.5	102.5	101.2	99.2	98.5
77.5°	103.7	95.4	90.5	87.6	84.0	81.9	79.6	77.6	76.1	75.7	74.6
80°	79.1	75.0	71.7	67.7	66.3	63.6	63.0	61.0	61.6	59.7	59.7
82.5°	61.4	56.2	53.4	51.6	50.3	48.1	47.5	46.5	46.7	45.1	45.1
85°	31.5	30.2	28.8	27.5	27.5	25.4	26.2	25.4	25.4	24.1	23.4
87.5°	11.7	11.5	10.6	10.9	11.1	10.9	11.0	10.6	10.8	11.0	10.5
90°	7.6	9.1	10.4	11.6	12.9	14.1	14.9	15.8	16.5	17.3	17.9
92.5°	13.6	13.9	14.5	15.1	15.8	16.4	16.8	17.3	17.7	18.1	18.4
95°	25.2	23.1	24.2	25.3	26.5	27.6	28.4	29.2	29.9	30.7	31.0
97.5°	32.7	26.8	29.3	31.8	34.3	36.9	37.6	38.2	38.8	39.4	39.8
100°	39.1	29.6	32.3	34.9	37.7	40.3	41.5	42.8	44.0	45.3	46.2
102.5°	144.2	130.8	108.5	86.1	63.7	41.4	43.0	44.7	46.4	48.0	49.0
105°	233.8	214.7	171.8	128.9	86.0	43.1	44.8	46.6	48.3	50.0	51.2
107.5°	289.9	266.1	214.7	163.3	111.8	60.4	58.6	56.9	55.1	53.3	52.8
110°	326.4	305.3	259.9	214.5	169.2	123.7	108.1	92.3	76.5	60.9	53.3



TEST NUMBER: P331829-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	361.0	356.9	345.7	334.5	323.3	312.0	254.8	197.4	140.2	82.8	54.4
115°	417.2	420.5	424.4	428.4	432.2	436.2	363.5	290.7	217.9	145.2	103.2
117.5°	469.5	472.3	475.0	477.8	480.4	483.1	465.5	448.0	430.3	412.7	385.4
120°	504.3	506.9	509.7	512.5	515.3	518.2	520.1	522.0	523.8	525.7	516.0
122.5°	536.4	539.3	542.3	545.4	548.5	551.6	552.7	553.8	554.9	556.1	554.6
125°	582.9	585.4	588.4	591.4	594.4	597.3	598.4	599.6	600.7	601.8	602.6
127.5°	627.5	629.8	632.0	634.2	636.4	638.6	640.3	641.9	643.5	645.1	645.9
130°	656.2	658.3	660.0	661.8	663.5	665.3	667.0	668.7	670.4	672.2	673.0
132.5°	683.0	684.9	686.6	688.3	690.1	691.9	693.3	694.8	696.3	697.7	698.4
135°	721.2	723.3	724.7	726.1	727.5	728.9	730.4	732.1	733.6	735.2	735.8
137.5°	755.4	757.1	758.7	760.3	761.9	763.6	765.1	766.6	768.1	769.7	770.2
140°	777.7	779.2	780.9	782.6	784.4	786.2	787.6	789.0	790.4	791.8	792.1
142.5°	797.6	799.1	801.1	803.1	805.1	807.1	808.4	809.6	810.9	812.2	812.4
145°	824.4	825.7	828.3	831.0	833.6	836.4	837.5	838.5	839.6	840.7	840.9
147.5°	850.5	851.5	854.1	856.8	859.4	862.0	862.9	863.7	864.5	865.4	865.5
150°	866.6	867.3	869.8	872.3	874.8	877.4	878.3	879.2	880.2	881.1	881.2
152.5°	881.3	881.9	884.3	886.7	889.1	891.5	892.4	893.3	894.3	895.2	895.2
155°	902.8	903.0	904.9	906.8	908.7	910.6	911.5	912.4	913.4	914.3	914.1
157.5°	921.1	921.1	922.4	923.7	925.0	926.3	927.5	928.6	929.6	930.7	930.6
160°	932.2	932.2	933.2	934.1	935.0	936.0	937.0	937.9	938.9	939.8	939.7
162.5°	941.3	941.2	942.0	942.9	943.7	944.5	945.5	946.6	947.7	948.8	948.7
165°	953.4	953.2	953.7	954.1	954.6	955.1	956.2	957.4	958.4	959.5	959.5
167.5°	962.5	962.3	962.7	963.1	963.6	964.0	965.1	966.2	967.3	968.4	968.3
170°	967.6	967.2	967.6	968.0	968.3	968.6	969.7	970.8	971.8	972.9	972.8
172.5°	971.0	970.7	971.0	971.3	971.6	971.9	973.0	974.1	975.2	976.3	976.1
175°	974.7	974.3	974.6	975.0	975.3	975.6	976.7	977.9	978.9	980.0	979.8
177.5°	976.3	975.9	976.0	976.2	976.3	976.4	977.3	978.3	979.1	980.0	979.9
180°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0



TEST NUMBER: P331829-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	1851.8	1852.8	1851.2	1852.3	1851.2	1852.8	1851.8	1857.6	1858.8	1859.8	1858.8
5°	1725.4	1717.4	1716.0	1714.0	1716.0	1717.4	1725.4	1728.8	1731.4	1736.8	1746.2
7.5°	1574.5	1573.3	1569.9	1565.3	1569.9	1573.3	1574.5	1586.0	1595.1	1605.6	1624.8
10°	1477.4	1474.1	1473.5	1468.7	1473.5	1474.1	1477.4	1492.2	1502.9	1517.6	1543.8
12.5°	1363.8	1342.2	1340.0	1328.3	1340.0	1342.2	1363.8	1382.8	1411.8	1426.0	1453.7
15°	1161.2	1157.2	1143.8	1135.1	1143.8	1157.2	1161.2	1177.3	1188.0	1226.9	1271.7
17.5°	1045.4	1032.3	1028.1	1026.2	1028.1	1032.3	1045.4	1053.2	1068.4	1088.9	1116.0
20°	970.9	958.9	956.8	955.5	956.8	958.9	970.9	980.3	992.4	1014.5	1042.6
22.5°	919.5	906.9	901.6	897.6	901.6	906.9	919.5	926.7	937.7	954.9	974.0
25°	831.5	826.9	824.2	822.8	824.2	826.9	831.5	838.2	849.0	872.4	892.5
27.5°	762.8	752.5	750.4	747.0	750.4	752.5	762.8	774.7	785.9	796.4	814.4
30°	723.7	720.3	715.6	711.6	715.6	720.3	723.7	729.7	737.1	755.2	772.5
32.5°	677.5	674.8	670.6	668.7	670.6	674.8	677.5	685.7	701.1	712.3	724.9
35°	626.5	617.1	613.1	607.0	613.1	617.1	626.5	633.2	639.2	648.6	671.4
37.5°	572.5	567.5	561.9	563.9	561.9	567.5	572.5	575.3	588.0	601.1	611.0
40°	530.7	527.4	526.0	525.3	526.0	527.4	530.7	539.4	554.8	560.9	575.6
42.5°	497.5	488.2	484.7	484.5	484.7	488.2	497.5	507.3	516.7	526.5	541.8
45°	447.0	438.2	432.2	432.8	432.2	438.2	447.0	450.3	458.3	477.8	486.5
47.5°	395.2	395.0	391.2	392.4	391.2	395.0	395.2	400.9	411.3	423.2	437.2
50°	370.5	366.5	363.9	364.5	363.9	366.5	370.5	375.3	381.2	387.3	408.7
52.5°	347.0	343.5	341.3	344.2	341.3	343.5	347.0	349.5	354.0	359.9	374.5
55°	308.2	304.2	303.6	302.9	303.6	304.2	308.2	311.5	316.9	321.6	328.3
57.5°	265.0	262.3	258.2	256.5	258.2	262.3	265.0	269.9	276.3	282.5	289.4
60°	233.9	228.5	221.8	221.2	221.8	228.5	233.9	242.6	245.2	254.6	262.7
62.5°	205.4	204.4	203.0	202.9	203.0	204.4	205.4	208.2	212.0	225.7	235.3
65°	180.3	179.6	180.3	180.9	180.3	179.6	180.3	181.6	182.3	183.6	187.6
67.5°	157.0	155.8	154.6	155.2	154.6	155.8	157.0	157.3	159.2	160.0	162.8
70°	139.4	138.7	138.0	138.0	138.0	138.7	139.4	140.7	142.1	143.4	146.7
72.5°	122.2	122.1	121.4	120.9	121.4	122.1	122.2	124.6	125.4	126.7	129.1
75°	97.9	96.4	96.4	96.4	96.4	96.4	97.9	98.5	99.2	101.2	102.5
77.5°	74.5	73.8	73.2	72.6	73.2	73.8	74.5	74.6	75.7	76.1	77.6
80°	59.0	58.3	57.7	57.7	57.7	58.3	59.0	59.7	59.7	61.6	61.0
82.5°	45.0	44.3	44.2	43.7	44.2	44.3	45.0	45.1	45.1	46.7	46.5
85°	24.1	24.7	24.1	25.4	24.1	24.7	24.1	23.4	24.1	25.4	25.4
87.5°	10.6	10.1	10.7	10.2	10.7	10.1	10.6	10.5	11.0	10.8	10.6
90°	18.2	18.5	18.8	19.1	18.8	18.5	18.2	17.9	17.3	16.5	15.8
92.5°	18.5	18.7	18.9	19.1	18.9	18.7	18.5	18.4	18.1	17.7	17.3
95°	30.9	30.7	30.6	30.4	30.6	30.7	30.9	31.0	30.7	29.9	29.2
97.5°	40.0	40.2	40.4	40.6	40.4	40.2	40.0	39.8	39.4	38.8	38.2
100°	46.5	46.8	47.1	47.4	47.1	46.8	46.5	46.2	45.3	44.0	42.8
102.5°	49.5	49.9	50.3	50.8	50.3	49.9	49.5	49.0	48.0	46.4	44.7
105°	51.8	52.5	53.1	53.7	53.1	52.5	51.8	51.2	50.0	48.3	46.6
107.5°	53.4	54.0	54.6	55.2	54.6	54.0	53.4	52.8	53.3	55.1	56.9
110°	53.9	54.6	55.2	55.8	55.2	54.6	53.9	53.3	60.9	76.5	92.3



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	54.9	55.4	55.9	56.5	55.9	55.4	54.9	54.4	82.8	140.2	197.4
115°	91.9	80.6	69.3	58.0	69.3	80.6	91.9	103.2	145.2	217.9	290.7
117.5°	348.2	311.0	273.9	236.7	273.9	311.0	348.2	385.4	412.7	430.3	448.0
120°	494.8	473.6	452.4	431.2	452.4	473.6	494.8	516.0	525.7	523.8	522.0
122.5°	550.5	546.3	542.3	538.2	542.3	546.3	550.5	554.6	556.1	554.9	553.8
125°	603.0	603.5	604.0	604.4	604.0	603.5	603.0	602.6	601.8	600.7	599.6
127.5°	646.0	646.1	646.2	646.3	646.2	646.1	646.0	645.9	645.1	643.5	641.9
130°	672.8	672.7	672.5	672.4	672.5	672.7	672.8	673.0	672.2	670.4	668.7
132.5°	698.2	698.1	697.9	697.8	697.9	698.1	698.2	698.4	697.7	696.3	694.8
135°	735.5	735.2	734.9	734.6	734.9	735.2	735.5	735.8	735.2	733.6	732.1
137.5°	769.6	769.1	768.6	768.0	768.6	769.1	769.6	770.2	769.7	768.1	766.6
140°	791.3	790.5	789.7	789.0	789.7	790.5	791.3	792.1	791.8	790.4	789.0
142.5°	811.7	810.9	810.1	809.3	810.1	810.9	811.7	812.4	812.2	810.9	809.6
145°	840.1	839.3	838.5	837.8	838.5	839.3	840.1	840.9	840.7	839.6	838.5
147.5°	864.7	864.1	863.4	862.7	863.4	864.1	864.7	865.5	865.4	864.5	863.7
150°	880.4	879.6	878.8	878.1	878.8	879.6	880.4	881.2	881.1	880.2	879.2
152.5°	894.1	893.1	892.1	891.0	892.1	893.1	894.1	895.2	895.2	894.3	893.3
155°	912.9	911.7	910.4	909.2	910.4	911.7	912.9	914.1	914.3	913.4	912.4
157.5°	929.4	928.2	927.0	925.6	927.0	928.2	929.4	930.6	930.7	929.6	928.6
160°	938.6	937.5	936.4	935.3	936.4	937.5	938.6	939.7	939.8	938.9	937.9
162.5°	947.3	945.9	944.5	943.2	944.5	945.9	947.3	948.7	948.8	947.7	946.6
165°	958.4	957.4	956.2	955.1	956.2	957.4	958.4	959.5	959.5	958.4	957.4
167.5°	966.8	965.4	964.0	962.6	964.0	965.4	966.8	968.3	968.4	967.3	966.2
170°	971.4	970.0	968.6	967.1	968.6	970.0	971.4	972.8	972.9	971.8	970.8
172.5°	974.7	973.3	971.9	970.5	971.9	973.3	974.7	976.1	976.3	975.2	974.1
175°	978.2	976.6	975.0	973.5	975.0	976.6	978.2	979.8	980.0	978.9	977.9
177.5°	978.8	977.5	976.4	975.3	976.4	977.5	978.8	979.9	980.0	979.1	978.3
180°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	1854.4	1862.0	1873.2	1879.7	1890.4	1897.3	1901.1	1908.0	1911.8	1925.2	1939.1
5°	1750.8	1761.6	1780.3	1797.8	1816.5	1835.9	1850.0	1866.1	1880.9	1906.3	1933.1
7.5°	1632.1	1647.0	1676.1	1703.8	1736.5	1764.0	1788.3	1815.7	1840.3	1876.7	1914.7
10°	1543.2	1569.2	1607.5	1633.6	1676.5	1703.9	1742.1	1772.3	1806.4	1854.7	1897.6
12.5°	1466.5	1497.9	1528.6	1565.0	1603.6	1649.3	1691.2	1729.9	1770.6	1820.4	1870.8
15°	1327.4	1372.9	1420.5	1457.3	1509.6	1557.9	1606.8	1659.0	1708.6	1768.3	1833.9
17.5°	1148.3	1201.1	1281.1	1344.2	1405.6	1454.0	1514.6	1577.8	1636.3	1708.2	1781.3
20°	1067.4	1106.3	1160.5	1245.7	1338.1	1389.7	1451.4	1521.1	1588.0	1666.4	1744.8
22.5°	1002.5	1037.1	1080.7	1147.0	1250.2	1320.5	1384.8	1455.6	1533.4	1613.4	1700.3
25°	909.9	934.0	979.6	1033.2	1104.3	1220.1	1290.5	1361.5	1446.0	1531.8	1630.9
27.5°	840.4	862.1	891.7	942.9	995.7	1078.9	1190.8	1268.3	1352.4	1449.0	1551.9
30°	787.3	812.7	845.6	881.8	939.4	1004.4	1116.3	1206.1	1289.2	1388.4	1498.2
32.5°	748.7	768.8	796.8	833.5	881.5	943.8	1033.2	1142.3	1223.2	1327.8	1442.5
35°	685.5	708.9	731.7	766.6	805.4	862.3	930.0	1046.6	1127.0	1230.2	1345.4
37.5°	633.3	647.6	672.9	700.4	741.4	784.0	842.6	947.2	1034.2	1135.5	1253.4
40°	593.7	611.8	630.6	661.4	694.9	735.7	793.3	871.1	970.9	1070.1	1185.3
42.5°	555.1	577.9	597.8	618.4	655.2	696.1	743.0	808.9	910.9	1004.7	1116.7
45°	508.6	523.3	544.1	566.8	597.0	631.9	673.4	731.0	828.9	909.9	1015.1
47.5°	454.4	476.1	489.6	511.8	540.5	573.7	612.3	662.2	741.3	817.3	914.9
50°	417.5	439.6	459.0	479.1	504.5	536.7	568.9	617.1	680.8	760.5	851.6
52.5°	385.8	405.3	424.1	444.2	469.2	498.7	529.2	571.6	626.1	699.4	787.9
55°	342.4	354.5	373.9	393.9	416.1	444.2	473.7	509.3	556.1	617.8	689.5
57.5°	297.9	311.8	327.3	347.5	369.9	391.4	418.0	450.1	487.2	542.9	604.3
60°	272.7	283.5	296.2	316.9	337.7	357.1	382.6	409.4	444.2	492.5	544.7
62.5°	244.8	255.0	266.7	284.8	305.0	322.9	345.1	373.4	402.9	447.0	492.7
65°	198.3	213.1	224.5	240.5	257.3	276.1	293.5	316.3	342.4	377.3	418.1
67.5°	164.4	172.0	182.5	197.1	214.3	230.4	246.8	264.7	287.3	314.3	346.7
70°	149.5	152.1	154.1	168.1	184.3	200.4	215.7	232.5	252.0	274.1	302.2
72.5°	131.7	134.4	136.9	143.0	155.8	172.0	187.8	200.4	218.7	237.0	259.8
75°	104.5	108.6	110.6	113.9	118.6	129.4	144.1	156.1	166.8	180.9	199.0
77.5°	79.6	81.9	84.0	87.6	90.5	95.4	103.7	114.6	124.6	132.8	145.2
80°	63.0	63.6	66.3	67.7	71.7	75.0	79.1	87.8	97.9	101.2	109.9
82.5°	47.5	48.1	50.3	51.6	53.4	56.2	61.4	63.6	71.6	75.9	81.5
85°	26.2	25.4	27.5	27.5	28.8	30.2	31.5	34.8	36.9	42.2	43.5
87.5°	11.0	10.9	11.1	10.9	10.6	11.5	11.7	11.9	12.6	13.9	15.7
90°	14.9	14.1	12.9	11.6	10.4	9.1	7.6	5.9	4.1	2.4	0.7
92.5°	16.8	16.4	15.8	15.1	14.5	13.9	13.6	13.8	13.9	14.1	14.2
95°	28.4	27.6	26.5	25.3	24.2	23.1	25.2	30.4	35.5	40.8	45.9
97.5°	37.6	36.9	34.3	31.8	29.3	26.8	32.7	47.4	62.0	76.5	91.2
100°	41.5	40.3	37.7	34.9	32.3	29.6	39.1	60.6	82.1	103.6	125.1
102.5°	43.0	41.4	63.7	86.1	108.5	130.8	144.2	148.8	153.3	157.9	162.5
105°	44.8	43.1	86.0	128.9	171.8	214.7	233.8	229.0	224.4	219.6	214.9
107.5°	58.6	60.4	111.8	163.3	214.7	266.1	289.9	286.1	282.4	278.5	274.7
110°	108.1	123.7	169.2	214.5	259.9	305.3	326.4	323.1	319.8	316.5	313.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	254.8	312.0	323.3	334.5	345.7	356.9	361.0	358.1	355.3	352.3	349.4
115°	363.5	436.2	432.2	428.4	424.4	420.5	417.2	414.5	411.8	409.2	406.5
117.5°	465.5	483.1	480.4	477.8	475.0	472.3	469.5	466.5	463.5	460.5	457.6
120°	520.1	518.2	515.3	512.5	509.7	506.9	504.3	501.9	499.6	497.3	494.8
122.5°	552.7	551.6	548.5	545.4	542.3	539.3	536.4	534.0	531.5	529.1	526.5
125°	598.4	597.3	594.4	591.4	588.4	585.4	582.9	580.9	578.9	576.8	574.7
127.5°	640.3	638.6	636.4	634.2	632.0	629.8	627.5	625.2	623.0	620.7	618.4
130°	667.0	665.3	663.5	661.8	660.0	658.3	656.2	653.7	651.2	648.6	646.1
132.5°	693.3	691.9	690.1	688.3	686.6	684.9	683.0	680.9	678.7	676.6	674.5
135°	730.4	728.9	727.5	726.1	724.7	723.3	721.2	718.7	716.2	713.7	711.2
137.5°	765.1	763.6	761.9	760.3	758.7	757.1	755.4	753.7	751.9	750.1	748.4
140°	787.6	786.2	784.4	782.6	780.9	779.2	777.7	776.5	775.2	774.0	772.7
142.5°	808.4	807.1	805.1	803.1	801.1	799.1	797.6	796.5	795.4	794.2	793.0
145°	837.5	836.4	833.6	831.0	828.3	825.7	824.4	824.6	824.8	824.9	825.1
147.5°	862.9	862.0	859.4	856.8	854.1	851.5	850.5	851.1	851.7	852.3	852.8
150°	878.3	877.4	874.8	872.3	869.8	867.3	866.6	867.7	868.8	869.9	871.0
152.5°	892.4	891.5	889.1	886.7	884.3	881.9	881.3	882.5	883.8	885.0	886.3
155°	911.5	910.6	908.7	906.8	904.9	903.0	902.8	904.2	905.6	907.1	908.5
157.5°	927.5	926.3	925.0	923.7	922.4	921.1	921.1	922.2	923.4	924.6	925.8
160°	937.0	936.0	935.0	934.1	933.2	932.2	932.2	933.2	934.1	935.0	936.0
162.5°	945.5	944.5	943.7	942.9	942.0	941.2	941.3	942.2	943.2	944.1	945.0
165°	956.2	955.1	954.6	954.1	953.7	953.2	953.4	954.4	955.3	956.2	957.3
167.5°	965.1	964.0	963.6	963.1	962.7	962.3	962.5	963.4	964.4	965.3	966.2
170°	969.7	968.6	968.3	968.0	967.6	967.2	967.6	968.6	969.5	970.4	971.4
172.5°	973.0	971.9	971.6	971.3	971.0	970.7	971.0	971.9	972.9	973.8	974.7
175°	976.7	975.6	975.3	975.0	974.6	974.3	974.7	975.8	976.9	978.1	979.2
177.5°	977.3	976.4	976.3	976.2	976.0	975.9	976.3	977.2	978.1	979.0	979.9
180°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	1939.6	1941.3	1952.0	1956.8	1966.5	1970.2	1974.5	1973.5	1973.5	1975.6	1990.6
5°	1943.8	1957.2	1977.3	1996.8	2015.5	2031.6	2042.4	2053.1	2057.1	2076.5	2094.0
7.5°	1936.8	1961.6	1994.8	2024.4	2059.9	2087.6	2110.7	2131.4	2145.7	2173.9	2202.9
10°	1927.7	1962.6	2000.1	2038.3	2087.2	2124.0	2161.6	2190.4	2199.8	2242.0	2266.1
12.5°	1909.6	1956.1	2003.9	2053.4	2101.1	2151.9	2193.2	2222.0	2255.0	2292.9	2337.4
15°	1882.2	1935.8	1998.1	2061.7	2130.1	2191.7	2235.9	2286.2	2322.4	2364.0	2402.8
17.5°	1842.9	1912.0	1991.2	2064.9	2143.9	2210.1	2271.0	2319.2	2344.6	2368.3	2374.1
20°	1811.8	1886.2	1979.3	2066.5	2145.6	2221.9	2282.2	2322.4	2329.2	2329.8	2294.3
22.5°	1778.1	1862.1	1959.5	2048.7	2143.3	2228.4	2275.2	2292.4	2265.8	2220.4	2151.7
25°	1716.0	1813.2	1926.4	2028.2	2131.4	2211.8	2228.0	2197.8	2104.7	2006.8	1882.9
27.5°	1648.7	1758.0	1879.4	1992.6	2102.5	2152.3	2117.7	2008.9	1841.2	1695.4	1518.6
30°	1599.4	1722.0	1841.3	1967.9	2069.8	2091.2	2011.6	1851.4	1655.7	1435.9	1259.7
32.5°	1543.2	1671.6	1802.7	1933.7	2018.9	1997.9	1866.2	1669.1	1439.7	1223.7	1057.1
35°	1462.7	1595.4	1736.8	1868.1	1922.4	1831.9	1635.0	1378.3	1143.8	942.1	827.5
37.5°	1369.9	1514.3	1661.3	1781.9	1778.1	1627.3	1359.0	1094.1	897.0	777.7	696.1
40°	1303.9	1450.0	1608.8	1710.6	1667.1	1470.8	1179.9	930.0	786.0	690.8	631.2
42.5°	1240.7	1387.3	1545.0	1626.0	1550.2	1308.9	1019.2	823.3	704.5	630.3	581.9
45°	1133.1	1287.9	1433.9	1478.8	1343.4	1077.4	824.2	682.2	603.1	548.1	514.6
47.5°	1027.8	1180.1	1313.4	1314.2	1131.1	873.7	695.3	590.4	522.8	480.3	456.0
50°	963.5	1108.2	1220.1	1202.7	995.0	777.3	621.8	531.4	475.0	442.2	416.8
52.5°	891.2	1031.6	1128.5	1078.9	879.8	684.0	555.8	479.9	433.2	404.8	381.9
55°	786.0	910.6	979.0	903.9	717.6	568.9	469.7	410.1	375.3	351.1	331.6
57.5°	682.7	785.5	828.5	741.0	591.1	471.7	397.4	352.5	318.0	300.7	290.6
60°	617.8	705.6	735.7	639.2	513.9	412.7	351.7	310.2	284.8	273.4	263.4
62.5°	554.0	625.7	638.1	549.7	448.0	361.3	308.9	273.8	256.9	246.0	236.5
65°	459.7	511.3	505.2	434.2	354.5	286.8	248.6	227.1	214.4	199.0	182.3
67.5°	378.4	409.9	390.9	337.7	270.5	222.9	197.9	181.7	165.9	151.3	147.4
70°	327.0	345.1	325.0	276.1	221.8	186.9	166.8	147.4	138.0	134.7	128.7
72.5°	277.7	284.0	262.3	220.4	180.5	154.8	135.2	124.3	119.3	116.4	112.6
75°	208.4	203.7	184.9	152.1	125.3	107.9	101.9	97.9	94.5	91.8	89.8
77.5°	146.3	139.5	122.8	101.3	87.3	79.0	75.3	73.2	71.6	70.2	68.2
80°	109.9	105.2	88.5	72.4	66.3	62.3	60.3	57.7	57.7	56.2	54.2
82.5°	80.4	75.1	60.6	53.0	49.7	47.3	45.8	44.2	43.7	43.9	42.5
85°	42.2	34.1	30.2	28.8	26.8	25.4	26.2	24.7	24.7	24.7	24.1
87.5°	13.3	11.0	10.8	10.6	11.5	11.7	11.4	11.7	12.5	12.1	12.8
90°	2.4	4.1	5.9	7.6	9.1	10.4	11.6	12.9	14.1	14.9	15.8
92.5°	14.1	13.9	13.8	13.6	13.9	14.5	15.1	15.8	16.4	16.8	17.3
95°	40.8	35.5	30.4	25.2	23.1	24.2	25.3	26.5	27.6	28.4	29.2
97.5°	76.5	62.0	47.4	32.7	26.8	29.3	31.8	34.3	36.9	37.6	38.2
100°	103.6	82.1	60.6	39.1	29.6	32.3	34.9	37.7	40.3	41.5	42.8
102.5°	157.9	153.3	148.8	144.2	130.8	108.5	86.1	63.7	41.4	43.0	44.7
105°	219.6	224.4	229.0	233.8	214.7	171.8	128.9	86.0	43.1	44.8	46.6
107.5°	278.5	282.4	286.1	289.9	266.1	214.7	163.3	111.8	60.4	58.6	56.9
110°	316.5	319.8	323.1	326.4	305.3	259.9	214.5	169.2	123.7	108.1	92.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	352.3	355.3	358.1	361.0	356.9	345.7	334.5	323.3	312.0	254.8	197.4
115°	409.2	411.8	414.5	417.2	420.5	424.4	428.4	432.2	436.2	363.5	290.7
117.5°	460.5	463.5	466.5	469.5	472.3	475.0	477.8	480.4	483.1	465.5	448.0
120°	497.3	499.6	501.9	504.3	506.9	509.7	512.5	515.3	518.2	520.1	522.0
122.5°	529.1	531.5	534.0	536.4	539.3	542.3	545.4	548.5	551.6	552.7	553.8
125°	576.8	578.9	580.9	582.9	585.4	588.4	591.4	594.4	597.3	598.4	599.6
127.5°	620.7	623.0	625.2	627.5	629.8	632.0	634.2	636.4	638.6	640.3	641.9
130°	648.6	651.2	653.7	656.2	658.3	660.0	661.8	663.5	665.3	667.0	668.7
132.5°	676.6	678.7	680.9	683.0	684.9	686.6	688.3	690.1	691.9	693.3	694.8
135°	713.7	716.2	718.7	721.2	723.3	724.7	726.1	727.5	728.9	730.4	732.1
137.5°	750.1	751.9	753.7	755.4	757.1	758.7	760.3	761.9	763.6	765.1	766.6
140°	774.0	775.2	776.5	777.7	779.2	780.9	782.6	784.4	786.2	787.6	789.0
142.5°	794.2	795.4	796.5	797.6	799.1	801.1	803.1	805.1	807.1	808.4	809.6
145°	824.9	824.8	824.6	824.4	825.7	828.3	831.0	833.6	836.4	837.5	838.5
147.5°	852.3	851.7	851.1	850.5	851.5	854.1	856.8	859.4	862.0	862.9	863.7
150°	869.9	868.8	867.7	866.6	867.3	869.8	872.3	874.8	877.4	878.3	879.2
152.5°	885.0	883.8	882.5	881.3	881.9	884.3	886.7	889.1	891.5	892.4	893.3
155°	907.1	905.6	904.2	902.8	903.0	904.9	906.8	908.7	910.6	911.5	912.4
157.5°	924.6	923.4	922.2	921.1	921.1	922.4	923.7	925.0	926.3	927.5	928.6
160°	935.0	934.1	933.2	932.2	932.2	933.2	934.1	935.0	936.0	937.0	937.9
162.5°	944.1	943.2	942.2	941.3	941.2	942.0	942.9	943.7	944.5	945.5	946.6
165°	956.2	955.3	954.4	953.4	953.2	953.7	954.1	954.6	955.1	956.2	957.4
167.5°	965.3	964.4	963.4	962.5	962.3	962.7	963.1	963.6	964.0	965.1	966.2
170°	970.4	969.5	968.6	967.6	967.2	967.6	968.0	968.3	968.6	969.7	970.8
172.5°	973.8	972.9	971.9	971.0	970.7	971.0	971.3	971.6	971.9	973.0	974.1
175°	978.1	976.9	975.8	974.7	974.3	974.6	975.0	975.3	975.6	976.7	977.9
177.5°	979.0	978.1	977.2	976.3	975.9	976.0	976.2	976.3	976.4	977.3	978.3
180°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	1996.0	2003.0	2006.1	2006.1	2009.9	2008.3	2006.7
5°	2110.7	2123.4	2126.1	2138.2	2146.9	2144.1	2145.6
7.5°	2224.7	2245.2	2265.4	2274.7	2276.1	2281.5	2283.5
10°	2294.9	2311.7	2343.2	2338.4	2362.0	2375.3	2353.2
12.5°	2362.5	2385.1	2407.0	2413.0	2426.3	2430.5	2421.9
15°	2423.6	2435.7	2437.0	2433.7	2437.6	2434.3	2421.6
17.5°	2366.5	2346.9	2307.2	2288.5	2273.6	2251.7	2242.8
20°	2272.2	2214.5	2147.5	2120.7	2089.2	2027.6	2042.4
22.5°	2068.5	2002.8	1935.8	1857.5	1820.2	1761.7	1758.2
25°	1751.5	1638.3	1513.7	1426.5	1375.6	1317.4	1291.8
27.5°	1361.8	1219.2	1117.1	1065.4	1018.3	972.1	970.3
30°	1105.6	998.4	919.3	875.0	846.3	826.9	830.9
32.5°	931.9	858.5	805.2	768.4	747.1	732.5	732.3
35°	761.8	711.6	677.4	662.0	646.6	635.9	636.5
37.5°	652.0	621.8	602.8	585.7	576.1	570.9	567.9
40°	595.7	570.9	556.1	546.1	538.1	530.7	529.4
42.5°	551.2	530.7	515.9	508.1	500.5	495.3	493.9
45°	489.2	472.4	459.0	450.3	447.0	442.2	442.2
47.5°	435.2	418.7	408.2	402.7	397.0	393.8	393.7
50°	398.7	386.0	376.6	373.2	368.5	366.5	365.9
52.5°	366.0	356.5	349.8	347.5	345.5	343.0	343.4
55°	321.6	316.3	313.6	311.5	308.2	304.2	306.9
57.5°	284.3	279.6	272.5	266.1	263.1	260.2	261.4
60°	258.0	248.6	239.2	231.9	229.8	223.8	223.8
62.5°	224.7	211.6	200.1	195.9	193.9	191.1	190.6
65°	172.9	167.5	164.8	162.2	160.8	160.8	159.5
67.5°	143.3	141.1	138.1	137.5	136.1	135.7	135.3
70°	126.6	123.9	122.6	122.0	120.6	121.3	119.3
72.5°	110.6	108.5	108.2	106.4	105.6	105.7	104.2
75°	87.2	87.2	86.4	85.7	84.4	83.7	84.4
77.5°	67.1	67.2	65.9	65.8	65.6	65.8	65.1
80°	53.6	54.2	53.6	52.9	52.3	52.9	52.3
82.5°	42.3	41.4	41.3	41.1	41.0	40.6	40.5
85°	24.1	24.7	24.1	23.4	23.4	23.4	24.1
87.5°	12.4	12.5	12.7	12.7	12.8	12.8	12.4
90°	16.5	17.3	17.9	18.2	18.5	18.8	19.1
92.5°	17.7	18.1	18.4	18.5	18.7	18.9	19.1
95°	29.9	30.7	31.0	30.9	30.7	30.6	30.4
97.5°	38.8	39.4	39.8	40.0	40.2	40.4	40.6
100°	44.0	45.3	46.2	46.5	46.8	47.1	47.4
102.5°	46.4	48.0	49.0	49.5	49.9	50.3	50.8
105°	48.3	50.0	51.2	51.8	52.5	53.1	53.7
107.5°	55.1	53.3	52.8	53.4	54.0	54.6	55.2
110°	76.5	60.9	53.3	53.9	54.6	55.2	55.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	140.2	82.8	54.4	54.9	55.4	55.9	56.5
115°	217.9	145.2	103.2	91.9	80.6	69.3	58.0
117.5°	430.3	412.7	385.4	348.2	311.0	273.9	236.7
120°	523.8	525.7	516.0	494.8	473.6	452.4	431.2
122.5°	554.9	556.1	554.6	550.5	546.3	542.3	538.2
125°	600.7	601.8	602.6	603.0	603.5	604.0	604.4
127.5°	643.5	645.1	645.9	646.0	646.1	646.2	646.3
130°	670.4	672.2	673.0	672.8	672.7	672.5	672.4
132.5°	696.3	697.7	698.4	698.2	698.1	697.9	697.8
135°	733.6	735.2	735.8	735.5	735.2	734.9	734.6
137.5°	768.1	769.7	770.2	769.6	769.1	768.6	768.0
140°	790.4	791.8	792.1	791.3	790.5	789.7	789.0
142.5°	810.9	812.2	812.4	811.7	810.9	810.1	809.3
145°	839.6	840.7	840.9	840.1	839.3	838.5	837.8
147.5°	864.5	865.4	865.5	864.7	864.1	863.4	862.7
150°	880.2	881.1	881.2	880.4	879.6	878.8	878.1
152.5°	894.3	895.2	895.2	894.1	893.1	892.1	891.0
155°	913.4	914.3	914.1	912.9	911.7	910.4	909.2
157.5°	929.6	930.7	930.6	929.4	928.2	927.0	925.6
160°	938.9	939.8	939.7	938.6	937.5	936.4	935.3
162.5°	947.7	948.8	948.7	947.3	945.9	944.5	943.2
165°	958.4	959.5	959.5	958.4	957.4	956.2	955.1
167.5°	967.3	968.4	968.3	966.8	965.4	964.0	962.6
170°	971.8	972.9	972.8	971.4	970.0	968.6	967.1
172.5°	975.2	976.3	976.1	974.7	973.3	971.9	970.5
175°	978.9	980.0	979.8	978.2	976.6	975.0	973.5
177.5°	979.1	980.0	979.9	978.8	977.5	976.4	975.3
180°	977.0	977.0	977.0	977.0	977.0	977.0	977.0

(END OF REPORT)