

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: P331849-840

Luminaire Tested: **S122RDIW-S1005D710U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331849-840
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-S1005D710U840-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 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: 6714.7 lumens
Efficiency: N/A
Efficacy: 112.3 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

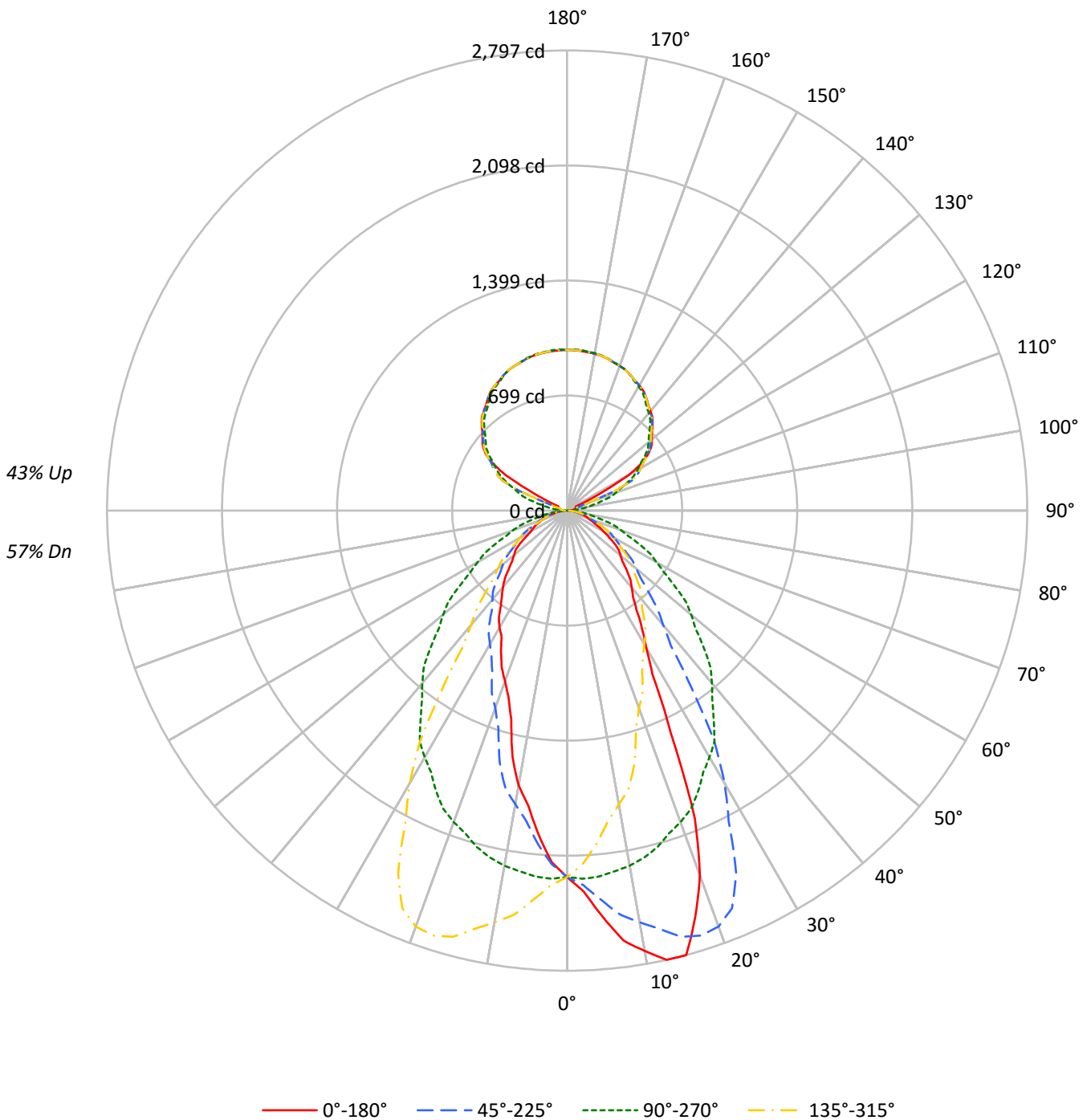
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57					57			
1	100	96	93	89	93	90	87	84	78	76	74	67	65	64	57	56	55	50					50			
2	92	85	79	75	86	80	75	70	69	66	62	60	57	55	51	49	48	43					43			
3	85	76	69	63	79	71	65	60	62	58	54	54	51	48	46	44	42	38					38			
4	78	68	60	55	73	64	57	52	56	51	47	49	45	42	42	39	37	34					34			
5	72	61	53	48	67	57	51	45	51	45	41	44	40	37	38	35	33	30					30			
6	67	55	47	42	62	52	45	40	46	41	36	41	36	33	35	32	29	27					27			
7	62	50	43	37	58	48	41	36	42	37	33	37	33	30	33	29	27	24					24			
8	58	46	39	33	54	44	37	32	39	33	29	34	30	27	30	27	24	22					22			
9	54	42	35	30	51	40	34	29	36	31	27	32	28	24	28	25	22	20					20			
10	51	39	32	27	48	37	31	26	33	28	24	30	25	22	26	23	20	19					19			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35960	35960	35960	35960
5°	40161	36185	32083	36185
10°	44558	35931	27811	35931
15°	46748	35405	21912	35405
20°	40527	34625	18962	34625
25°	26580	33556	16930	33556
30°	17890	32261	15321	32261
35°	14491	30628	13819	30628
40°	12886	28854	12787	28854
45°	11663	26772	11415	26772
50°	10613	24707	10575	24707
55°	9979	22415	9847	22415
60°	8344	20315	8247	20315
65°	7037	18449	7981	18449
70°	6500	16475	7530	16475
75°	6089	14336	6949	14336
80°	5616	11799	6192	11799
85°	5169	9318	5446	9318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	3.1
10°-20°	588.3	8.8
20°-30°	758.1	11.3
30°-40°	720.4	10.7
40°-50°	617.1	9.2
50°-60°	470.0	7.0
60°-70°	297.1	4.4
70°-80°	148.4	2.2
80°-90°	41.0	0.6
90°-100°	32.6	0.5
100°-110°	119.5	1.8
110°-120°	319.5	4.8
120°-130°	527.3	7.9
130°-140°	560.8	8.4
140°-150°	521.3	7.8
150°-160°	419.1	6.2
160°-170°	270.1	4.0
170°-180°	93.0	1.4
0°-30°	1557.5	23.2
0°-40°	2277.9	33.9
0°-60°	3365.0	50.1
0°-90°	3851.5	57.4
90°-120°	471.6	7.0
90°-150°	2081.0	31.0
90°-180°	2863.0	42.6
0°-180°	6714.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2227	2227	2227	2227	2227	
5°	2478	2233	1980	2233	2478	245
15°	2797	2118	1311	2118	2797	754
25°	1492	1884	950	1884	1492	708
35°	735	1554	701	1554	735	470
45°	511	1172	500	1172	511	395
55°	354	796	350	796	354	311
65°	184	483	209	483	184	187
75°	98	230	111	230	98	103
85°	28	50	29	50	28	30
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°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2317.5	2319.5	2321.3	2316.9	2316.9	2313.2	2305.2	2299.0	2281.7	2279.2	2279.2
5°	2477.9	2476.4	2479.4	2469.4	2455.5	2452.4	2437.7	2418.3	2398.2	2375.8	2371.2
7.5°	2637.4	2635.0	2628.8	2627.2	2616.5	2593.0	2569.4	2544.2	2510.7	2478.1	2461.6
10°	2717.8	2743.4	2727.8	2700.8	2706.2	2669.9	2650.5	2617.3	2589.4	2540.6	2529.8
12.5°	2797.0	2807.1	2802.2	2786.8	2779.9	2754.6	2728.5	2699.6	2648.2	2604.3	2566.3
15°	2796.7	2811.5	2815.3	2810.7	2814.6	2813.0	2799.0	2775.1	2730.2	2682.2	2640.4
17.5°	2590.3	2600.5	2625.9	2643.0	2664.7	2710.6	2733.1	2742.0	2735.3	2708.0	2678.5
20°	2358.7	2341.7	2412.9	2449.3	2480.2	2557.6	2624.1	2649.7	2690.7	2690.0	2682.2
22.5°	2030.6	2034.7	2102.1	2145.4	2235.7	2313.1	2388.9	2485.1	2564.5	2616.9	2647.6
25°	1492.0	1521.5	1588.7	1647.6	1748.2	1892.1	2022.9	2174.5	2317.7	2430.7	2538.3
27.5°	1120.5	1122.8	1176.1	1230.4	1290.2	1408.2	1572.8	1753.9	1958.0	2126.5	2320.2
30°	959.6	954.9	977.3	1010.7	1061.8	1153.1	1276.9	1454.9	1658.4	1912.2	2138.2
32.5°	845.7	846.0	862.8	887.5	929.9	991.5	1076.3	1220.8	1413.2	1662.7	1927.7
35°	735.2	734.4	746.8	764.6	782.3	821.8	879.9	955.7	1088.0	1321.0	1591.9
37.5°	655.9	659.3	665.4	676.5	696.2	718.1	753.0	803.9	898.2	1035.9	1263.5
40°	611.4	612.9	621.4	630.7	642.3	659.3	687.9	729.0	797.9	907.8	1074.1
42.5°	570.5	572.1	578.0	586.7	595.9	612.9	636.6	672.1	727.9	813.6	950.9
45°	510.8	510.8	516.1	520.1	530.1	545.5	564.9	594.3	633.0	696.5	787.8
47.5°	454.7	454.8	458.5	465.1	471.4	483.5	502.5	526.5	554.7	603.8	681.8
50°	422.5	423.3	425.7	431.0	434.9	445.8	460.5	481.3	510.8	548.7	613.7
52.5°	396.6	396.1	399.0	401.3	403.9	411.7	422.7	441.1	467.4	500.4	554.2
55°	354.5	351.3	356.0	359.8	362.1	365.3	371.4	383.0	405.5	433.3	473.6
57.5°	301.8	300.5	303.9	307.4	314.7	323.1	328.3	335.7	347.3	367.3	407.2
60°	258.4	258.4	265.4	267.7	276.3	287.1	297.9	304.2	315.8	328.9	358.3
62.5°	220.0	220.8	224.0	226.3	231.1	244.4	259.5	273.2	284.2	296.7	316.2
65°	184.2	185.7	185.7	187.2	190.4	193.5	199.7	210.5	229.8	247.6	262.4
67.5°	156.3	156.8	157.2	158.8	159.6	163.0	165.4	170.3	174.7	191.6	209.8
70°	137.7	140.1	139.3	140.9	141.6	143.2	146.2	148.6	155.5	159.5	170.3
72.5°	120.4	122.1	122.0	122.9	124.9	125.2	127.6	130.0	134.5	137.7	143.6
75°	97.6	96.7	97.6	99.1	99.9	100.6	100.6	103.7	106.0	109.1	113.0
77.5°	75.2	76.0	75.8	76.0	76.1	77.6	77.4	78.8	81.1	82.6	84.5
80°	60.4	61.1	60.4	61.1	61.9	62.7	61.9	62.7	65.0	66.6	66.6
82.5°	46.8	46.9	47.4	47.6	47.7	47.9	48.9	49.1	50.8	50.5	51.1
85°	27.9	27.1	27.1	27.1	27.9	28.7	27.9	27.9	28.7	28.7	28.7
87.5°	13.7	14.2	14.2	14.1	14.1	13.9	13.8	14.2	13.5	13.9	13.1
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°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2280.5	2275.4	2271.2	2260.0	2254.4	2242.0	2240.2	2239.6	2223.5	2208.0	2203.6
5°	2358.7	2346.3	2327.8	2306.1	2283.7	2260.5	2245.0	2232.6	2201.6	2172.2	2155.3
7.5°	2437.7	2411.1	2379.0	2338.0	2303.8	2265.4	2237.0	2211.4	2167.5	2125.4	2097.0
10°	2496.5	2453.2	2410.5	2354.1	2310.0	2266.6	2226.4	2191.6	2142.0	2086.4	2046.9
12.5°	2533.0	2485.4	2426.7	2371.5	2314.3	2259.3	2205.3	2160.6	2102.4	2044.9	1998.0
15°	2582.4	2531.3	2460.1	2381.2	2307.6	2235.7	2173.8	2118.1	2042.3	1973.4	1916.1
17.5°	2622.8	2552.5	2476.1	2384.8	2299.7	2208.2	2128.5	2057.3	1972.9	1889.8	1822.3
20°	2635.7	2566.2	2477.9	2386.6	2286.0	2178.5	2092.5	2015.2	1924.6	1834.0	1756.7
22.5°	2627.8	2573.5	2475.5	2366.2	2263.1	2150.6	2053.6	1963.8	1863.3	1770.9	1681.1
25°	2573.1	2554.6	2461.6	2342.5	2224.8	2094.1	1981.9	1883.6	1769.1	1670.0	1572.5
27.5°	2445.7	2485.8	2428.2	2301.3	2170.5	2030.3	1904.2	1792.3	1673.4	1562.0	1464.8
30°	2323.2	2415.2	2390.5	2272.8	2126.6	1988.8	1847.2	1730.4	1603.5	1488.9	1393.0
32.5°	2155.4	2307.5	2331.7	2233.2	2082.0	1930.7	1782.2	1666.0	1533.5	1412.8	1319.3
35°	1888.2	2115.8	2220.2	2157.6	2005.9	1842.6	1689.3	1553.9	1420.8	1301.6	1208.8
37.5°	1569.5	1879.5	2053.6	2058.0	1918.7	1749.0	1582.1	1447.6	1311.4	1194.4	1094.0
40°	1362.8	1698.6	1925.4	1975.7	1858.1	1674.7	1505.9	1369.0	1235.9	1121.4	1006.0
42.5°	1177.1	1511.7	1790.4	1877.8	1784.4	1602.3	1432.9	1289.7	1160.3	1052.0	934.2
45°	951.9	1244.4	1551.6	1707.9	1656.1	1487.3	1308.6	1172.5	1050.9	957.3	844.2
47.5°	802.9	1009.2	1306.5	1517.8	1516.9	1362.9	1187.1	1056.6	943.9	856.2	764.8
50°	718.1	897.7	1149.2	1389.1	1409.2	1280.0	1112.8	983.6	878.4	786.3	712.8
52.5°	642.0	789.9	1016.1	1246.1	1303.3	1191.4	1029.3	909.9	807.8	723.1	660.1
55°	542.5	657.0	828.8	1043.9	1130.6	1051.7	907.8	796.3	713.5	642.3	588.1
57.5°	458.9	544.8	682.7	855.9	956.8	907.2	788.4	697.9	627.0	562.6	519.9
60°	406.3	476.7	593.6	738.3	849.7	814.9	713.5	629.1	568.8	513.1	472.8
62.5°	356.8	417.3	517.5	634.9	737.0	722.7	639.9	569.1	516.1	465.4	431.3
65°	287.1	331.2	409.4	501.5	583.5	590.5	530.9	482.9	435.7	395.5	365.3
67.5°	228.6	257.4	312.5	390.0	451.5	473.4	437.1	400.4	362.9	331.8	305.7
70°	192.7	215.9	256.1	318.8	375.4	398.5	377.7	349.0	316.5	290.9	268.5
72.5°	156.1	178.7	208.4	254.5	302.9	328.0	320.7	300.1	273.8	252.6	231.4
75°	117.6	124.6	144.7	175.7	213.6	235.3	240.7	229.8	208.9	192.7	180.3
77.5°	86.9	91.2	100.8	117.0	141.8	161.1	169.1	167.7	153.4	143.9	132.3
80°	69.7	72.0	76.6	83.6	102.2	121.5	126.9	126.9	116.8	113.0	101.4
82.5°	52.9	54.6	57.5	61.3	70.0	86.8	92.9	94.1	87.8	82.6	73.5
85°	30.2	29.4	31.0	33.3	34.8	39.5	48.8	50.3	48.8	42.5	40.2
87.5°	12.8	13.2	12.9	12.0	12.3	12.6	15.3	18.1	16.0	14.4	13.5
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: P331849-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2195.6	2191.3	2183.2	2170.8	2163.4	2150.4	2141.7	2146.7	2148.0	2146.7	2145.5
5°	2136.7	2120.4	2098.0	2076.3	2056.2	2034.5	2022.2	2016.7	2005.9	1999.6	1996.6
7.5°	2065.3	2037.3	2005.6	1967.8	1935.7	1902.2	1885.0	1876.4	1854.3	1842.3	1831.7
10°	2012.1	1967.9	1936.2	1886.7	1856.5	1812.4	1782.2	1783.0	1752.8	1735.8	1723.4
12.5°	1953.3	1904.8	1852.0	1807.5	1765.5	1730.1	1693.6	1679.0	1647.0	1630.5	1597.1
15°	1855.7	1799.3	1743.5	1683.1	1640.6	1585.7	1533.1	1468.8	1416.9	1372.1	1359.7
17.5°	1749.3	1679.3	1623.5	1552.6	1479.7	1387.3	1326.3	1289.0	1257.7	1234.1	1216.4
20°	1676.2	1605.0	1545.4	1438.7	1340.3	1277.7	1232.7	1204.2	1171.6	1146.1	1132.2
22.5°	1599.4	1525.1	1443.9	1324.7	1248.1	1197.8	1157.8	1124.9	1102.9	1083.0	1070.3
25°	1490.5	1409.2	1275.4	1193.3	1131.4	1078.7	1050.9	1030.8	1007.5	980.5	968.2
27.5°	1375.3	1246.1	1149.9	1088.9	1029.9	995.6	970.6	940.6	919.8	907.6	894.7
30°	1289.3	1160.0	1085.0	1018.4	976.6	938.7	909.3	892.3	872.1	851.2	842.7
32.5°	1193.3	1090.0	1018.1	962.7	920.3	888.0	864.7	837.2	822.6	809.8	791.9
35°	1074.1	995.9	930.2	885.3	845.1	818.8	791.6	775.4	749.1	738.3	731.3
37.5°	973.2	905.4	856.4	809.0	777.1	748.0	731.4	705.6	694.2	679.1	664.5
40°	916.3	849.7	802.5	763.8	728.2	706.5	685.6	664.8	647.7	640.8	623.0
42.5°	858.1	803.9	756.7	714.3	690.4	667.5	641.1	625.7	608.1	596.8	585.8
45°	777.7	729.7	689.5	654.7	628.3	604.4	587.3	561.8	551.8	529.4	520.1
47.5°	707.2	662.6	624.2	591.1	565.4	549.8	524.8	504.8	488.8	475.0	463.1
50°	657.0	619.9	582.7	553.3	530.1	507.7	482.1	472.0	447.3	440.3	433.3
52.5°	611.2	575.9	541.9	513.1	489.9	468.1	445.6	432.4	415.8	408.8	403.6
55°	547.1	513.1	480.6	455.0	431.8	409.4	395.5	379.2	371.4	366.1	359.8
57.5°	482.7	452.1	427.2	401.3	378.0	360.1	344.1	334.3	326.3	319.1	311.7
60°	441.9	412.4	390.0	366.1	342.0	327.3	315.0	303.4	294.1	283.3	280.1
62.5°	398.5	372.8	352.2	328.9	308.0	294.6	282.8	271.8	260.6	244.9	240.5
65°	338.9	318.8	297.2	277.8	259.2	246.1	229.0	216.7	212.1	210.5	209.7
67.5°	285.1	266.1	247.5	227.6	210.8	198.5	190.0	188.0	184.8	183.9	181.7
70°	249.2	231.4	212.8	194.2	178.0	175.7	172.6	169.5	165.6	164.1	162.5
72.5°	217.0	198.5	180.0	165.1	158.1	155.2	152.2	149.1	146.4	144.9	143.9
75°	166.4	149.4	136.9	131.6	127.6	125.3	120.7	118.4	116.8	114.5	113.7
77.5°	119.8	110.2	104.5	101.1	97.0	94.5	91.9	89.6	88.0	87.5	86.2
80°	91.3	86.6	82.8	78.2	76.6	73.5	72.7	70.4	71.2	68.9	68.9
82.5°	70.9	65.0	61.8	59.6	58.1	55.5	54.8	53.7	53.8	52.1	52.1
85°	36.4	34.8	33.3	31.7	31.7	29.4	30.2	29.4	29.4	27.9	27.1
87.5°	13.3	12.9	12.0	12.2	12.5	12.1	12.3	11.8	11.9	12.1	11.6
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



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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: P331849-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2138.7	2139.9	2138.1	2139.3	2138.1	2139.9	2138.7	2145.5	2146.7	2148.0	2146.7
5°	1992.7	1983.4	1981.9	1979.5	1981.9	1983.4	1992.7	1996.6	1999.6	2005.9	2016.7
7.5°	1818.5	1817.1	1813.2	1807.8	1813.2	1817.1	1818.5	1831.7	1842.3	1854.3	1876.4
10°	1706.4	1702.5	1701.7	1696.3	1701.7	1702.5	1706.4	1723.4	1735.8	1752.8	1783.0
12.5°	1575.1	1550.2	1547.6	1534.1	1547.6	1550.2	1575.1	1597.1	1630.5	1647.0	1679.0
15°	1341.1	1336.5	1321.0	1310.9	1321.0	1336.5	1341.1	1359.7	1372.1	1416.9	1468.8
17.5°	1207.4	1192.2	1187.4	1185.3	1187.4	1192.2	1207.4	1216.4	1234.1	1257.7	1289.0
20°	1121.4	1107.4	1105.1	1103.6	1105.1	1107.4	1121.4	1132.2	1146.1	1171.6	1204.2
22.5°	1061.9	1047.3	1041.3	1036.6	1041.3	1047.3	1061.9	1070.3	1083.0	1102.9	1124.9
25°	960.4	954.9	951.9	950.3	951.9	954.9	960.4	968.2	980.5	1007.5	1030.8
27.5°	881.0	869.1	866.8	862.7	866.8	869.1	881.0	894.7	907.6	919.8	940.6
30°	835.8	831.9	826.5	821.8	826.5	831.9	835.8	842.7	851.2	872.1	892.3
32.5°	782.5	779.3	774.5	772.3	774.5	779.3	782.5	791.9	809.8	822.6	837.2
35°	723.6	712.8	708.1	701.1	708.1	712.8	723.6	731.3	738.3	749.1	775.4
37.5°	661.2	655.5	648.9	651.3	648.9	655.5	661.2	664.5	679.1	694.2	705.6
40°	612.9	609.0	607.5	606.7	607.5	609.0	612.9	623.0	640.8	647.7	664.8
42.5°	574.5	563.8	559.8	559.7	559.8	563.8	574.5	585.8	596.8	608.1	625.7
45°	516.1	506.1	499.2	499.9	499.2	506.1	516.1	520.1	529.4	551.8	561.8
47.5°	456.5	456.2	451.8	453.1	451.8	456.2	456.5	463.1	475.0	488.8	504.8
50°	428.0	423.3	420.2	421.0	420.2	423.3	428.0	433.3	440.3	447.3	472.0
52.5°	400.7	396.7	394.3	397.5	394.3	396.7	400.7	403.6	408.8	415.8	432.4
55°	356.0	351.3	350.5	349.8	350.5	351.3	356.0	359.8	366.1	371.4	379.2
57.5°	306.0	302.9	298.2	296.2	298.2	302.9	306.0	311.7	319.1	326.3	334.3
60°	270.0	263.9	256.1	255.4	256.1	263.9	270.0	280.1	283.3	294.1	303.4
62.5°	237.2	236.0	234.5	234.3	234.5	236.0	237.2	240.5	244.9	260.6	271.8
65°	208.1	207.4	208.1	208.9	208.1	207.4	208.1	209.7	210.5	212.1	216.7
67.5°	181.4	180.0	178.6	179.3	178.6	180.0	181.4	181.7	183.9	184.8	188.0
70°	161.0	160.2	159.5	159.5	159.5	160.2	161.0	162.5	164.1	165.6	169.5
72.5°	141.2	141.0	140.3	139.6	140.3	141.0	141.2	143.9	144.9	146.4	149.1
75°	113.0	111.4	111.4	111.4	111.4	111.4	113.0	113.7	114.5	116.8	118.4
77.5°	86.0	85.2	84.5	83.9	84.5	85.2	86.0	86.2	87.5	88.0	89.6
80°	68.1	67.4	66.6	66.6	66.6	67.4	68.1	68.9	68.9	71.2	70.4
82.5°	52.0	51.2	51.1	50.5	51.1	51.2	52.0	52.1	52.1	53.8	53.7
85°	27.9	28.7	27.9	29.4	27.9	28.7	27.9	27.1	27.9	29.4	29.4
87.5°	11.7	11.1	11.8	11.2	11.8	11.1	11.7	11.6	12.1	11.9	11.8
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°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2141.7	2150.4	2163.4	2170.8	2183.2	2191.3	2195.6	2203.6	2208.0	2223.5	2239.6
5°	2022.2	2034.5	2056.2	2076.3	2098.0	2120.4	2136.7	2155.3	2172.2	2201.6	2232.6
7.5°	1885.0	1902.2	1935.7	1967.8	2005.6	2037.3	2065.3	2097.0	2125.4	2167.5	2211.4
10°	1782.2	1812.4	1856.5	1886.7	1936.2	1967.9	2012.1	2046.9	2086.4	2142.0	2191.6
12.5°	1693.6	1730.1	1765.5	1807.5	1852.0	1904.8	1953.3	1998.0	2044.9	2102.4	2160.6
15°	1533.1	1585.7	1640.6	1683.1	1743.5	1799.3	1855.7	1916.1	1973.4	2042.3	2118.1
17.5°	1326.3	1387.3	1479.7	1552.6	1623.5	1679.3	1749.3	1822.3	1889.8	1972.9	2057.3
20°	1232.7	1277.7	1340.3	1438.7	1545.4	1605.0	1676.2	1756.7	1834.0	1924.6	2015.2
22.5°	1157.8	1197.8	1248.1	1324.7	1443.9	1525.1	1599.4	1681.1	1770.9	1863.3	1963.8
25°	1050.9	1078.7	1131.4	1193.3	1275.4	1409.2	1490.5	1572.5	1670.0	1769.1	1883.6
27.5°	970.6	995.6	1029.9	1088.9	1149.9	1246.1	1375.3	1464.8	1562.0	1673.4	1792.3
30°	909.3	938.7	976.6	1018.4	1085.0	1160.0	1289.3	1393.0	1488.9	1603.5	1730.4
32.5°	864.7	888.0	920.3	962.7	1018.1	1090.0	1193.3	1319.3	1412.8	1533.5	1666.0
35°	791.6	818.8	845.1	885.3	930.2	995.9	1074.1	1208.8	1301.6	1420.8	1553.9
37.5°	731.4	748.0	777.1	809.0	856.4	905.4	973.2	1094.0	1194.4	1311.4	1447.6
40°	685.6	706.5	728.2	763.8	802.5	849.7	916.3	1006.0	1121.4	1235.9	1369.0
42.5°	641.1	667.5	690.4	714.3	756.7	803.9	858.1	934.2	1052.0	1160.3	1289.7
45°	587.3	604.4	628.3	654.7	689.5	729.7	777.7	844.2	957.3	1050.9	1172.5
47.5°	524.8	549.8	565.4	591.1	624.2	662.6	707.2	764.8	856.2	943.9	1056.6
50°	482.1	507.7	530.1	553.3	582.7	619.9	657.0	712.8	786.3	878.4	983.6
52.5°	445.6	468.1	489.9	513.1	541.9	575.9	611.2	660.1	723.1	807.8	909.9
55°	395.5	409.4	431.8	455.0	480.6	513.1	547.1	588.1	642.3	713.5	796.3
57.5°	344.1	360.1	378.0	401.3	427.2	452.1	482.7	519.9	562.6	627.0	697.9
60°	315.0	327.3	342.0	366.1	390.0	412.4	441.9	472.8	513.1	568.8	629.1
62.5°	282.8	294.6	308.0	328.9	352.2	372.8	398.5	431.3	465.4	516.1	569.1
65°	229.0	246.1	259.2	277.8	297.2	318.8	338.9	365.3	395.5	435.7	482.9
67.5°	190.0	198.5	210.8	227.6	247.5	266.1	285.1	305.7	331.8	362.9	400.4
70°	172.6	175.7	178.0	194.2	212.8	231.4	249.2	268.5	290.9	316.5	349.0
72.5°	152.2	155.2	158.1	165.1	180.0	198.5	217.0	231.4	252.6	273.8	300.1
75°	120.7	125.3	127.6	131.6	136.9	149.4	166.4	180.3	192.7	208.9	229.8
77.5°	91.9	94.5	97.0	101.1	104.5	110.2	119.8	132.3	143.9	153.4	167.7
80°	72.7	73.5	76.6	78.2	82.8	86.6	91.3	101.4	113.0	116.8	126.9
82.5°	54.8	55.5	58.1	59.6	61.8	65.0	70.9	73.5	82.6	87.8	94.1
85°	30.2	29.4	31.7	31.7	33.3	34.8	36.4	40.2	42.5	48.8	50.3
87.5°	12.3	12.1	12.5	12.2	12.0	12.9	13.3	13.5	14.4	16.0	18.1
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°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2240.2	2242.0	2254.4	2260.0	2271.2	2275.4	2280.5	2279.2	2279.2	2281.7	2299.0
5°	2245.0	2260.5	2283.7	2306.1	2327.8	2346.3	2358.7	2371.2	2375.8	2398.2	2418.3
7.5°	2237.0	2265.4	2303.8	2338.0	2379.0	2411.1	2437.7	2461.6	2478.1	2510.7	2544.2
10°	2226.4	2266.6	2310.0	2354.1	2410.5	2453.2	2496.5	2529.8	2540.6	2589.4	2617.3
12.5°	2205.3	2259.3	2314.3	2371.5	2426.7	2485.4	2533.0	2566.3	2604.3	2648.2	2699.6
15°	2173.8	2235.7	2307.6	2381.2	2460.1	2531.3	2582.4	2640.4	2682.2	2730.2	2775.1
17.5°	2128.5	2208.2	2299.7	2384.8	2476.1	2552.5	2622.8	2678.5	2708.0	2735.3	2742.0
20°	2092.5	2178.5	2286.0	2386.6	2477.9	2566.2	2635.7	2682.2	2690.0	2690.7	2649.7
22.5°	2053.6	2150.6	2263.1	2366.2	2475.5	2573.5	2627.8	2647.6	2616.9	2564.5	2485.1
25°	1981.9	2094.1	2224.8	2342.5	2461.6	2554.6	2573.1	2538.3	2430.7	2317.7	2174.5
27.5°	1904.2	2030.3	2170.5	2301.3	2428.2	2485.8	2445.7	2320.2	2126.5	1958.0	1753.9
30°	1847.2	1988.8	2126.6	2272.8	2390.5	2415.2	2323.2	2138.2	1912.2	1658.4	1454.9
32.5°	1782.2	1930.7	2082.0	2233.2	2331.7	2307.5	2155.4	1927.7	1662.7	1413.2	1220.8
35°	1689.3	1842.6	2005.9	2157.6	2220.2	2115.8	1888.2	1591.9	1321.0	1088.0	955.7
37.5°	1582.1	1749.0	1918.7	2058.0	2053.6	1879.5	1569.5	1263.5	1035.9	898.2	803.9
40°	1505.9	1674.7	1858.1	1975.7	1925.4	1698.6	1362.8	1074.1	907.8	797.9	729.0
42.5°	1432.9	1602.3	1784.4	1877.8	1790.4	1511.7	1177.1	950.9	813.6	727.9	672.1
45°	1308.6	1487.3	1656.1	1707.9	1551.6	1244.4	951.9	787.8	696.5	633.0	594.3
47.5°	1187.1	1362.9	1516.9	1517.8	1306.5	1009.2	802.9	681.8	603.8	554.7	526.5
50°	1112.8	1280.0	1409.2	1389.1	1149.2	897.7	718.1	613.7	548.7	510.8	481.3
52.5°	1029.3	1191.4	1303.3	1246.1	1016.1	789.9	642.0	554.2	500.4	467.4	441.1
55°	907.8	1051.7	1130.6	1043.9	828.8	657.0	542.5	473.6	433.3	405.5	383.0
57.5°	788.4	907.2	956.8	855.9	682.7	544.8	458.9	407.2	367.3	347.3	335.7
60°	713.5	814.9	849.7	738.3	593.6	476.7	406.3	358.3	328.9	315.8	304.2
62.5°	639.9	722.7	737.0	634.9	517.5	417.3	356.8	316.2	296.7	284.2	273.2
65°	530.9	590.5	583.5	501.5	409.4	331.2	287.1	262.4	247.6	229.8	210.5
67.5°	437.1	473.4	451.5	390.0	312.5	257.4	228.6	209.8	191.6	174.7	170.3
70°	377.7	398.5	375.4	318.8	256.1	215.9	192.7	170.3	159.5	155.5	148.6
72.5°	320.7	328.0	302.9	254.5	208.4	178.7	156.1	143.6	137.7	134.5	130.0
75°	240.7	235.3	213.6	175.7	144.7	124.6	117.6	113.0	109.1	106.0	103.7
77.5°	169.1	161.1	141.8	117.0	100.8	91.2	86.9	84.5	82.6	81.1	78.8
80°	126.9	121.5	102.2	83.6	76.6	72.0	69.7	66.6	66.6	65.0	62.7
82.5°	92.9	86.8	70.0	61.3	57.5	54.6	52.9	51.1	50.5	50.8	49.1
85°	48.8	39.5	34.8	33.3	31.0	29.4	30.2	28.7	28.7	28.7	27.9
87.5°	15.3	12.6	12.3	12.0	12.9	13.2	12.8	13.1	13.9	13.5	14.2
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°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2305.2	2313.2	2316.9	2316.9	2321.3	2319.5	2317.5
5°	2437.7	2452.4	2455.5	2469.4	2479.4	2476.4	2477.9
7.5°	2569.4	2593.0	2616.5	2627.2	2628.8	2635.0	2637.4
10°	2650.5	2669.9	2706.2	2700.8	2727.8	2743.4	2717.8
12.5°	2728.5	2754.6	2779.9	2786.8	2802.2	2807.1	2797.0
15°	2799.0	2813.0	2814.6	2810.7	2815.3	2811.5	2796.7
17.5°	2733.1	2710.6	2664.7	2643.0	2625.9	2600.5	2590.3
20°	2624.1	2557.6	2480.2	2449.3	2412.9	2341.7	2358.7
22.5°	2388.9	2313.1	2235.7	2145.4	2102.1	2034.7	2030.6
25°	2022.9	1892.1	1748.2	1647.6	1588.7	1521.5	1492.0
27.5°	1572.8	1408.2	1290.2	1230.4	1176.1	1122.8	1120.5
30°	1276.9	1153.1	1061.8	1010.7	977.3	954.9	959.6
32.5°	1076.3	991.5	929.9	887.5	862.8	846.0	845.7
35°	879.9	821.8	782.3	764.6	746.8	734.4	735.2
37.5°	753.0	718.1	696.2	676.5	665.4	659.3	655.9
40°	687.9	659.3	642.3	630.7	621.4	612.9	611.4
42.5°	636.6	612.9	595.9	586.7	578.0	572.1	570.5
45°	564.9	545.5	530.1	520.1	516.1	510.8	510.8
47.5°	502.5	483.5	471.4	465.1	458.5	454.8	454.7
50°	460.5	445.8	434.9	431.0	425.7	423.3	422.5
52.5°	422.7	411.7	403.9	401.3	399.0	396.1	396.6
55°	371.4	365.3	362.1	359.8	356.0	351.3	354.5
57.5°	328.3	323.1	314.7	307.4	303.9	300.5	301.8
60°	297.9	287.1	276.3	267.7	265.4	258.4	258.4
62.5°	259.5	244.4	231.1	226.3	224.0	220.8	220.0
65°	199.7	193.5	190.4	187.2	185.7	185.7	184.2
67.5°	165.4	163.0	159.6	158.8	157.2	156.8	156.3
70°	146.2	143.2	141.6	140.9	139.3	140.1	137.7
72.5°	127.6	125.2	124.9	122.9	122.0	122.1	120.4
75°	100.6	100.6	99.9	99.1	97.6	96.7	97.6
77.5°	77.4	77.6	76.1	76.0	75.8	76.0	75.2
80°	61.9	62.7	61.9	61.1	60.4	61.1	60.4
82.5°	48.9	47.9	47.7	47.6	47.4	46.9	46.8
85°	27.9	28.7	27.9	27.1	27.1	27.1	27.9
87.5°	13.8	13.9	14.1	14.1	14.2	14.2	13.7
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)