

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: P331747-840

Luminaire Tested: **SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331747-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

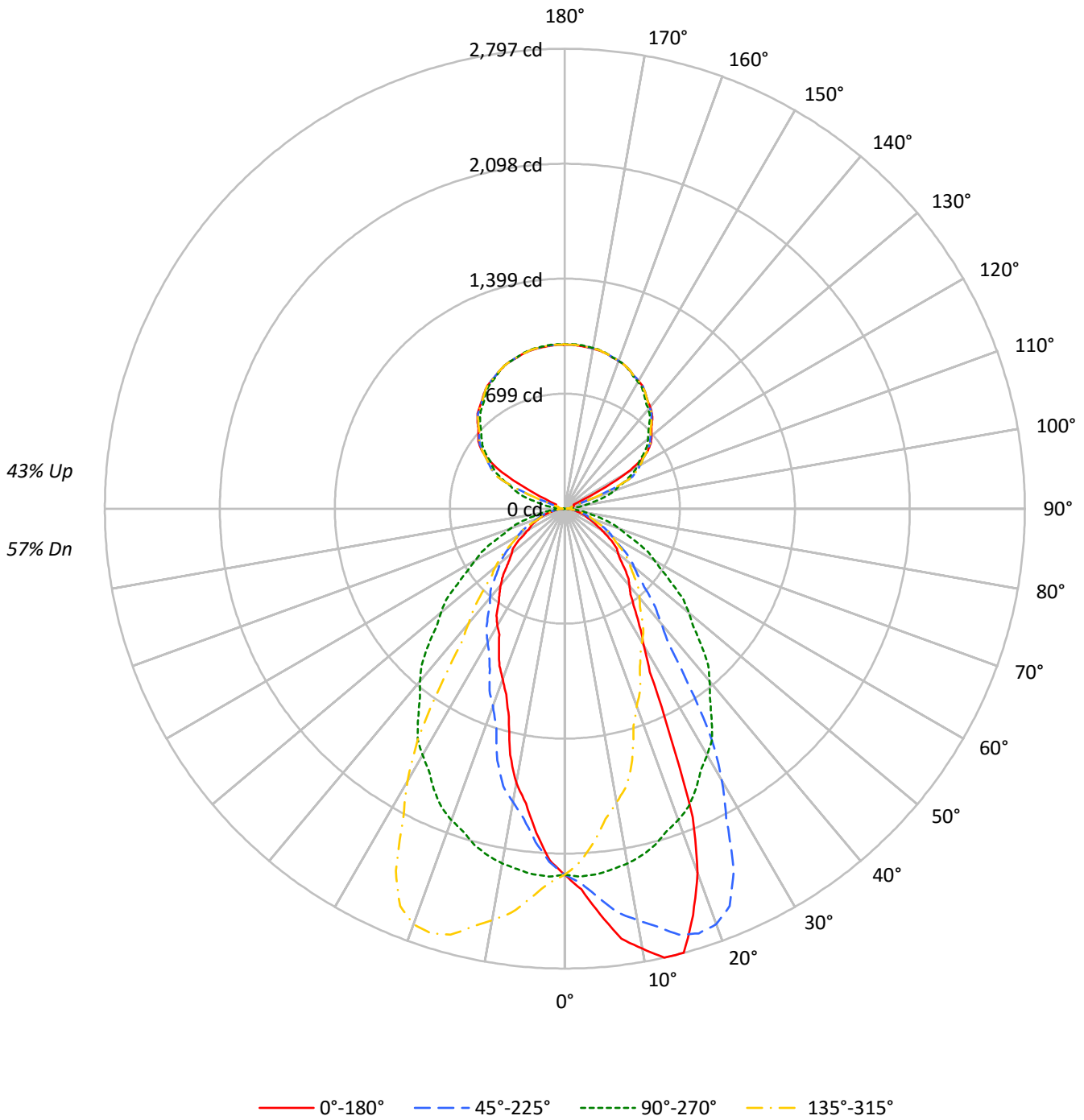
Lumens per Lamp: N/A  
Luminaire Lumens: 6777.2 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 60.7  
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	74	74	74	62	62	62	57
1	100	96	93	89	93	90	87	84	78	75	73	67	65	64	56	55	54	50
2	92	85	79	74	86	80	75	70	69	65	62	60	57	55	51	49	47	43
3	85	76	69	63	79	71	65	60	62	57	54	54	50	47	46	43	41	38
4	78	68	60	54	72	64	57	52	56	51	47	49	45	41	42	39	37	33
5	72	61	53	47	67	57	50	45	50	45	41	44	40	37	38	35	33	30
6	67	55	47	42	62	52	45	40	46	40	36	40	36	33	35	32	29	27
7	62	50	43	37	58	47	41	36	42	37	33	37	33	29	32	29	26	24
8	58	46	38	33	54	43	37	32	39	33	29	34	30	27	30	27	24	22
9	54	42	35	30	51	40	33	29	36	30	27	32	27	24	28	25	22	20
10	51	39	32	27	47	37	31	26	33	28	24	30	25	22	26	23	20	18

**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	8.7
20°-30°	758.1	11.2
30°-40°	720.4	10.6
40°-50°	617.1	9.1
50°-60°	470.0	6.9
60°-70°	297.1	4.4
70°-80°	148.4	2.2
80°-90°	41.1	0.6
90°-100°	33.3	0.5
100°-110°	122.1	1.8
110°-120°	326.4	4.8
120°-130°	538.9	8.0
130°-140°	573.1	8.5
140°-150°	532.7	7.9
150°-160°	428.3	6.3
160°-170°	276.0	4.1
170°-180°	95.0	1.4
0°-30°	1557.5	23.0
0°-40°	2277.9	33.6
0°-60°	3365.0	49.7
0°-90°	3851.5	56.8
90°-120°	481.9	7.1
90°-150°	2126.5	31.4
90°-180°	2926.0	43.2
0°-180°	6777.2	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°	20	1	20	1	20	10
95°	31	47	31	47	31	29
105°	55	220	55	220	55	57
115°	59	415	59	415	59	148
125°	618	587	618	587	618	534
135°	750	727	750	727	750	578
145°	856	843	856	843	856	535
155°	929	928	929	928	929	429
165°	976	978	976	978	976	276
175°	995	1000	995	1000	995	95
180°	998	998	998	998	998	



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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°	13.8	14.3	14.3	14.2	14.1	14.0	13.9	14.3	13.5	14.0	13.1
90°	19.5	19.2	18.9	18.6	18.2	17.7	16.9	16.1	15.2	14.4	13.1
92.5°	19.5	19.3	19.1	18.9	18.8	18.4	18.0	17.6	17.2	16.8	16.2
95°	31.1	31.2	31.4	31.5	31.7	31.4	30.6	29.8	29.0	28.2	27.1
97.5°	41.5	41.3	41.1	40.9	40.7	40.3	39.6	39.0	38.4	37.7	35.1
100°	48.4	48.1	47.8	47.5	47.2	46.4	45.0	43.7	42.4	41.2	38.5
102.5°	51.9	51.4	51.0	50.5	50.1	49.0	47.4	45.6	44.0	42.3	65.1
105°	54.9	54.2	53.6	53.0	52.3	51.1	49.4	47.6	45.8	44.0	87.9
107.5°	56.5	55.8	55.2	54.5	53.9	54.5	56.2	58.1	59.9	61.7	114.2
110°	57.1	56.5	55.7	55.1	54.5	62.2	78.3	94.3	110.4	126.4	172.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.7	57.2	56.7	56.1	55.5	84.6	143.2	201.8	260.3	318.8	330.3
115°	59.3	70.8	82.3	93.9	105.4	148.5	222.8	297.1	371.4	445.8	441.7
117.5°	241.9	279.8	317.8	355.8	393.7	421.7	439.7	457.8	475.7	493.7	490.9
120°	440.7	462.3	484.0	505.6	527.4	537.2	535.3	533.4	531.4	529.5	526.6
122.5°	549.9	554.1	558.3	562.5	566.7	568.3	567.0	565.9	564.7	563.6	560.5
125°	617.6	617.1	616.7	616.2	615.7	614.9	613.8	612.7	611.6	610.5	607.3
127.5°	660.5	660.4	660.2	660.1	660.0	659.1	657.5	655.9	654.3	652.6	650.4
130°	687.0	687.1	687.3	687.5	687.6	686.8	685.1	683.3	681.6	679.7	678.0
132.5°	713.0	713.2	713.4	713.5	713.7	713.0	711.4	709.9	708.4	706.9	705.2
135°	750.5	750.8	751.2	751.5	751.8	751.2	749.6	748.0	746.4	744.8	743.4
137.5°	784.8	785.4	785.9	786.5	787.0	786.5	784.9	783.4	781.7	780.2	778.5
140°	806.2	807.0	807.8	808.6	809.4	809.1	807.6	806.2	804.8	803.3	801.5
142.5°	827.0	827.8	828.6	829.4	830.2	829.9	828.6	827.3	826.0	824.7	822.6
145°	856.1	856.9	857.7	858.5	859.2	859.1	858.0	856.9	855.8	854.5	851.8
147.5°	881.6	882.3	882.9	883.6	884.3	884.2	883.4	882.5	881.7	880.9	878.2
150°	897.2	898.0	898.8	899.6	900.4	900.3	899.4	898.4	897.5	896.5	893.9
152.5°	910.5	911.6	912.6	913.7	914.7	914.8	913.8	912.8	911.9	910.9	908.5
155°	929.0	930.3	931.6	932.8	934.1	934.3	933.3	932.4	931.4	930.4	928.5
157.5°	945.9	947.2	948.4	949.7	950.9	951.0	949.9	948.8	947.8	946.6	945.2
160°	955.7	956.8	958.0	959.1	960.2	960.3	959.4	958.4	957.5	956.4	955.4
162.5°	963.8	965.2	966.5	968.0	969.4	969.5	968.4	967.2	966.2	965.1	964.3
165°	975.9	977.0	978.2	979.4	980.5	980.5	979.4	978.2	977.0	975.9	975.4
167.5°	983.6	985.0	986.5	988.0	989.4	989.6	988.5	987.3	986.1	985.0	984.6
170°	988.3	989.7	991.1	992.6	994.0	994.2	993.0	991.9	990.8	989.7	989.4
172.5°	991.7	993.1	994.6	996.0	997.4	997.6	996.5	995.4	994.3	993.1	992.8
175°	994.7	996.3	997.9	999.6	1001.2	1001.4	1000.3	999.2	998.0	996.9	996.5
177.5°	996.6	997.7	999.0	1000.1	1001.3	1001.4	1000.5	999.6	998.7	997.7	997.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



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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°	12.9	13.2	13.0	12.1	12.3	12.6	15.3	18.1	16.0	14.4	13.6
90°	11.9	10.6	9.3	7.8	6.1	4.2	2.5	0.7	2.5	4.2	6.1
92.5°	15.5	14.8	14.2	13.9	14.1	14.2	14.4	14.5	14.4	14.2	14.1
95°	26.0	24.8	23.6	25.8	31.1	36.4	41.7	47.0	41.7	36.4	31.1
97.5°	32.5	29.9	27.3	33.4	48.4	63.3	78.3	93.2	78.3	63.3	48.4
100°	35.7	33.0	30.3	39.9	61.9	83.9	105.8	127.8	105.8	83.9	61.9
102.5°	88.0	110.8	133.6	147.3	152.1	156.7	161.4	166.0	161.4	156.7	152.1
105°	131.7	175.5	219.3	238.8	234.1	229.2	224.4	219.6	224.4	229.2	234.1
107.5°	166.8	219.3	272.0	296.3	292.4	288.5	284.6	280.7	284.6	288.5	292.4
110°	219.2	265.6	311.9	333.5	330.1	326.8	323.4	320.0	323.4	326.8	330.1





TEST NUMBER: P331747-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	341.7	353.3	364.7	368.9	366.0	362.9	360.0	357.0	360.0	362.9	366.0
115°	437.7	433.6	429.7	426.3	423.5	420.8	418.1	415.4	418.1	420.8	423.5
117.5°	488.2	485.4	482.6	479.7	476.7	473.6	470.6	467.6	470.6	473.6	476.7
120°	523.7	520.9	518.0	515.3	512.9	510.5	508.1	505.6	508.1	510.5	512.9
122.5°	557.3	554.2	551.0	548.2	545.6	543.1	540.6	538.1	540.6	543.1	545.6
125°	604.3	601.3	598.2	595.6	593.6	591.5	589.4	587.3	589.4	591.5	593.6
127.5°	648.0	645.8	643.5	641.2	638.8	636.6	634.3	632.0	634.3	636.6	638.8
130°	676.2	674.5	672.7	670.6	667.9	665.4	662.9	660.2	662.9	665.4	667.9
132.5°	703.4	701.7	699.8	697.9	695.7	693.6	691.4	689.1	691.4	693.6	695.7
135°	741.8	740.4	739.0	737.0	734.5	731.8	729.3	726.7	729.3	731.8	734.5
137.5°	776.9	775.3	773.7	771.9	770.1	768.3	766.5	764.8	766.5	768.3	770.1
140°	799.8	798.0	796.3	794.7	793.5	792.1	790.8	789.6	790.8	792.1	793.5
142.5°	820.6	818.6	816.6	815.0	813.9	812.7	811.5	810.4	811.5	812.7	813.9
145°	849.1	846.4	843.6	842.4	842.5	842.7	842.8	843.0	842.8	842.7	842.5
147.5°	875.5	872.8	870.1	869.1	869.7	870.3	870.9	871.5	870.9	870.3	869.7
150°	891.3	888.8	886.3	885.4	886.7	887.8	888.9	890.0	888.9	887.8	886.7
152.5°	906.1	903.6	901.2	900.6	901.8	903.1	904.3	905.5	904.3	903.1	901.8
155°	926.6	924.6	922.7	922.5	923.9	925.3	926.9	928.3	926.9	925.3	923.9
157.5°	943.9	942.6	941.2	941.2	942.4	943.6	944.8	946.0	944.8	943.6	942.4
160°	954.5	953.5	952.6	952.6	953.5	954.5	955.4	956.4	955.4	954.5	953.5
162.5°	963.4	962.6	961.8	961.8	962.8	963.8	964.7	965.7	964.7	963.8	962.8
165°	975.0	974.5	974.0	974.2	975.2	976.2	977.1	978.2	977.1	976.2	975.2
167.5°	984.1	983.7	983.2	983.5	984.5	985.4	986.4	987.3	986.4	985.4	984.5
170°	989.1	988.8	988.4	988.8	989.7	990.7	991.6	992.6	991.6	990.7	989.7
172.5°	992.5	992.2	991.9	992.2	993.1	994.1	995.0	996.0	995.0	994.1	993.1
175°	996.2	995.9	995.6	996.0	997.1	998.3	999.4	1000.5	999.4	998.3	997.1
177.5°	997.5	997.3	997.2	997.6	998.6	999.5	1000.4	1001.3	1000.4	999.5	998.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331747-840

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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	13.0	12.0	12.3	12.5	12.2	12.3	11.9	12.0	12.2	11.7
90°	7.8	9.3	10.6	11.9	13.1	14.4	15.2	16.1	16.9	17.7	18.2
92.5°	13.9	14.2	14.8	15.5	16.2	16.8	17.2	17.6	18.0	18.4	18.8
95°	25.8	23.6	24.8	26.0	27.1	28.2	29.0	29.8	30.6	31.4	31.7
97.5°	33.4	27.3	29.9	32.5	35.1	37.7	38.4	39.0	39.6	40.3	40.7
100°	39.9	30.3	33.0	35.7	38.5	41.2	42.4	43.7	45.0	46.4	47.2
102.5°	147.3	133.6	110.8	88.0	65.1	42.3	44.0	45.6	47.4	49.0	50.1
105°	238.8	219.3	175.5	131.7	87.9	44.0	45.8	47.6	49.4	51.1	52.3
107.5°	296.3	272.0	219.3	166.8	114.2	61.7	59.9	58.1	56.2	54.5	53.9
110°	333.5	311.9	265.6	219.2	172.8	126.4	110.4	94.3	78.3	62.2	54.5



TEST NUMBER: P331747-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	368.9	364.7	353.3	341.7	330.3	318.8	260.3	201.8	143.2	84.6	55.5
115°	426.3	429.7	433.6	437.7	441.7	445.8	371.4	297.1	222.8	148.5	105.4
117.5°	479.7	482.6	485.4	488.2	490.9	493.7	475.7	457.8	439.7	421.7	393.7
120°	515.3	518.0	520.9	523.7	526.6	529.5	531.4	533.4	535.3	537.2	527.4
122.5°	548.2	551.0	554.2	557.3	560.5	563.6	564.7	565.9	567.0	568.3	566.7
125°	595.6	598.2	601.3	604.3	607.3	610.5	611.6	612.7	613.8	614.9	615.7
127.5°	641.2	643.5	645.8	648.0	650.4	652.6	654.3	655.9	657.5	659.1	660.0
130°	670.6	672.7	674.5	676.2	678.0	679.7	681.6	683.3	685.1	686.8	687.6
132.5°	697.9	699.8	701.7	703.4	705.2	706.9	708.4	709.9	711.4	713.0	713.7
135°	737.0	739.0	740.4	741.8	743.4	744.8	746.4	748.0	749.6	751.2	751.8
137.5°	771.9	773.7	775.3	776.9	778.5	780.2	781.7	783.4	784.9	786.5	787.0
140°	794.7	796.3	798.0	799.8	801.5	803.3	804.8	806.2	807.6	809.1	809.4
142.5°	815.0	816.6	818.6	820.6	822.6	824.7	826.0	827.3	828.6	829.9	830.2
145°	842.4	843.6	846.4	849.1	851.8	854.5	855.8	856.9	858.0	859.1	859.2
147.5°	869.1	870.1	872.8	875.5	878.2	880.9	881.7	882.5	883.4	884.2	884.3
150°	885.4	886.3	888.8	891.3	893.9	896.5	897.5	898.4	899.4	900.3	900.4
152.5°	900.6	901.2	903.6	906.1	908.5	910.9	911.9	912.8	913.8	914.8	914.7
155°	922.5	922.7	924.6	926.6	928.5	930.4	931.4	932.4	933.3	934.3	934.1
157.5°	941.2	941.2	942.6	943.9	945.2	946.6	947.8	948.8	949.9	951.0	950.9
160°	952.6	952.6	953.5	954.5	955.4	956.4	957.5	958.4	959.4	960.3	960.2
162.5°	961.8	961.8	962.6	963.4	964.3	965.1	966.2	967.2	968.4	969.5	969.4
165°	974.2	974.0	974.5	975.0	975.4	975.9	977.0	978.2	979.4	980.5	980.5
167.5°	983.5	983.2	983.7	984.1	984.6	985.0	986.1	987.3	988.5	989.6	989.4
170°	988.8	988.4	988.8	989.1	989.4	989.7	990.8	991.9	993.0	994.2	994.0
172.5°	992.2	991.9	992.2	992.5	992.8	993.1	994.3	995.4	996.5	997.6	997.4
175°	996.0	995.6	995.9	996.2	996.5	996.9	998.0	999.2	1000.3	1001.4	1001.2
177.5°	997.6	997.2	997.3	997.5	997.6	997.7	998.7	999.6	1000.5	1001.4	1001.3
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331747-840

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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	11.2	11.9	11.3	11.9	11.2	11.7	11.7	12.2	12.0	11.9
90°	18.6	18.9	19.2	19.5	19.2	18.9	18.6	18.2	17.7	16.9	16.1
92.5°	18.9	19.1	19.3	19.5	19.3	19.1	18.9	18.8	18.4	18.0	17.6
95°	31.5	31.4	31.2	31.1	31.2	31.4	31.5	31.7	31.4	30.6	29.8
97.5°	40.9	41.1	41.3	41.5	41.3	41.1	40.9	40.7	40.3	39.6	39.0
100°	47.5	47.8	48.1	48.4	48.1	47.8	47.5	47.2	46.4	45.0	43.7
102.5°	50.5	51.0	51.4	51.9	51.4	51.0	50.5	50.1	49.0	47.4	45.6
105°	53.0	53.6	54.2	54.9	54.2	53.6	53.0	52.3	51.1	49.4	47.6
107.5°	54.5	55.2	55.8	56.5	55.8	55.2	54.5	53.9	54.5	56.2	58.1
110°	55.1	55.7	56.5	57.1	56.5	55.7	55.1	54.5	62.2	78.3	94.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	56.1	56.7	57.2	57.7	57.2	56.7	56.1	55.5	84.6	143.2	201.8
115°	93.9	82.3	70.8	59.3	70.8	82.3	93.9	105.4	148.5	222.8	297.1
117.5°	355.8	317.8	279.8	241.9	279.8	317.8	355.8	393.7	421.7	439.7	457.8
120°	505.6	484.0	462.3	440.7	462.3	484.0	505.6	527.4	537.2	535.3	533.4
122.5°	562.5	558.3	554.1	549.9	554.1	558.3	562.5	566.7	568.3	567.0	565.9
125°	616.2	616.7	617.1	617.6	617.1	616.7	616.2	615.7	614.9	613.8	612.7
127.5°	660.1	660.2	660.4	660.5	660.4	660.2	660.1	660.0	659.1	657.5	655.9
130°	687.5	687.3	687.1	687.0	687.1	687.3	687.5	687.6	686.8	685.1	683.3
132.5°	713.5	713.4	713.2	713.0	713.2	713.4	713.5	713.7	713.0	711.4	709.9
135°	751.5	751.2	750.8	750.5	750.8	751.2	751.5	751.8	751.2	749.6	748.0
137.5°	786.5	785.9	785.4	784.8	785.4	785.9	786.5	787.0	786.5	784.9	783.4
140°	808.6	807.8	807.0	806.2	807.0	807.8	808.6	809.4	809.1	807.6	806.2
142.5°	829.4	828.6	827.8	827.0	827.8	828.6	829.4	830.2	829.9	828.6	827.3
145°	858.5	857.7	856.9	856.1	856.9	857.7	858.5	859.2	859.1	858.0	856.9
147.5°	883.6	882.9	882.3	881.6	882.3	882.9	883.6	884.3	884.2	883.4	882.5
150°	899.6	898.8	898.0	897.2	898.0	898.8	899.6	900.4	900.3	899.4	898.4
152.5°	913.7	912.6	911.6	910.5	911.6	912.6	913.7	914.7	914.8	913.8	912.8
155°	932.8	931.6	930.3	929.0	930.3	931.6	932.8	934.1	934.3	933.3	932.4
157.5°	949.7	948.4	947.2	945.9	947.2	948.4	949.7	950.9	951.0	949.9	948.8
160°	959.1	958.0	956.8	955.7	956.8	958.0	959.1	960.2	960.3	959.4	958.4
162.5°	968.0	966.5	965.2	963.8	965.2	966.5	968.0	969.4	969.5	968.4	967.2
165°	979.4	978.2	977.0	975.9	977.0	978.2	979.4	980.5	980.5	979.4	978.2
167.5°	988.0	986.5	985.0	983.6	985.0	986.5	988.0	989.4	989.6	988.5	987.3
170°	992.6	991.1	989.7	988.3	989.7	991.1	992.6	994.0	994.2	993.0	991.9
172.5°	996.0	994.6	993.1	991.7	993.1	994.6	996.0	997.4	997.6	996.5	995.4
175°	999.6	997.9	996.3	994.7	996.3	997.9	999.6	1001.2	1001.4	1000.3	999.2
177.5°	1000.1	999.0	997.7	996.6	997.7	999.0	1000.1	1001.3	1001.4	1000.5	999.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331747-840  
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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	12.2	12.5	12.3	12.0	13.0	13.3	13.6	14.4	16.0	18.1
90°	15.2	14.4	13.1	11.9	10.6	9.3	7.8	6.1	4.2	2.5	0.7
92.5°	17.2	16.8	16.2	15.5	14.8	14.2	13.9	14.1	14.2	14.4	14.5
95°	29.0	28.2	27.1	26.0	24.8	23.6	25.8	31.1	36.4	41.7	47.0
97.5°	38.4	37.7	35.1	32.5	29.9	27.3	33.4	48.4	63.3	78.3	93.2
100°	42.4	41.2	38.5	35.7	33.0	30.3	39.9	61.9	83.9	105.8	127.8
102.5°	44.0	42.3	65.1	88.0	110.8	133.6	147.3	152.1	156.7	161.4	166.0
105°	45.8	44.0	87.9	131.7	175.5	219.3	238.8	234.1	229.2	224.4	219.6
107.5°	59.9	61.7	114.2	166.8	219.3	272.0	296.3	292.4	288.5	284.6	280.7
110°	110.4	126.4	172.8	219.2	265.6	311.9	333.5	330.1	326.8	323.4	320.0



TEST NUMBER: P331747-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	260.3	318.8	330.3	341.7	353.3	364.7	368.9	366.0	362.9	360.0	357.0
115°	371.4	445.8	441.7	437.7	433.6	429.7	426.3	423.5	420.8	418.1	415.4
117.5°	475.7	493.7	490.9	488.2	485.4	482.6	479.7	476.7	473.6	470.6	467.6
120°	531.4	529.5	526.6	523.7	520.9	518.0	515.3	512.9	510.5	508.1	505.6
122.5°	564.7	563.6	560.5	557.3	554.2	551.0	548.2	545.6	543.1	540.6	538.1
125°	611.6	610.5	607.3	604.3	601.3	598.2	595.6	593.6	591.5	589.4	587.3
127.5°	654.3	652.6	650.4	648.0	645.8	643.5	641.2	638.8	636.6	634.3	632.0
130°	681.6	679.7	678.0	676.2	674.5	672.7	670.6	667.9	665.4	662.9	660.2
132.5°	708.4	706.9	705.2	703.4	701.7	699.8	697.9	695.7	693.6	691.4	689.1
135°	746.4	744.8	743.4	741.8	740.4	739.0	737.0	734.5	731.8	729.3	726.7
137.5°	781.7	780.2	778.5	776.9	775.3	773.7	771.9	770.1	768.3	766.5	764.8
140°	804.8	803.3	801.5	799.8	798.0	796.3	794.7	793.5	792.1	790.8	789.6
142.5°	826.0	824.7	822.6	820.6	818.6	816.6	815.0	813.9	812.7	811.5	810.4
145°	855.8	854.5	851.8	849.1	846.4	843.6	842.4	842.5	842.7	842.8	843.0
147.5°	881.7	880.9	878.2	875.5	872.8	870.1	869.1	869.7	870.3	870.9	871.5
150°	897.5	896.5	893.9	891.3	888.8	886.3	885.4	886.7	887.8	888.9	890.0
152.5°	911.9	910.9	908.5	906.1	903.6	901.2	900.6	901.8	903.1	904.3	905.5
155°	931.4	930.4	928.5	926.6	924.6	922.7	922.5	923.9	925.3	926.9	928.3
157.5°	947.8	946.6	945.2	943.9	942.6	941.2	941.2	942.4	943.6	944.8	946.0
160°	957.5	956.4	955.4	954.5	953.5	952.6	952.6	953.5	954.5	955.4	956.4
162.5°	966.2	965.1	964.3	963.4	962.6	961.8	961.8	962.8	963.8	964.7	965.7
165°	977.0	975.9	975.4	975.0	974.5	974.0	974.2	975.2	976.2	977.1	978.2
167.5°	986.1	985.0	984.6	984.1	983.7	983.2	983.5	984.5	985.4	986.4	987.3
170°	990.8	989.7	989.4	989.1	988.8	988.4	988.8	989.7	990.7	991.6	992.6
172.5°	994.3	993.1	992.8	992.5	992.2	991.9	992.2	993.1	994.1	995.0	996.0
175°	998.0	996.9	996.5	996.2	995.9	995.6	996.0	997.1	998.3	999.4	1000.5
177.5°	998.7	997.7	997.6	997.5	997.3	997.2	997.6	998.6	999.5	1000.4	1001.3
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



TEST NUMBER: P331747-840

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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	12.1	13.0	13.2	12.9	13.1	14.0	13.5	14.3
90°	2.5	4.2	6.1	7.8	9.3	10.6	11.9	13.1	14.4	15.2	16.1
92.5°	14.4	14.2	14.1	13.9	14.2	14.8	15.5	16.2	16.8	17.2	17.6
95°	41.7	36.4	31.1	25.8	23.6	24.8	26.0	27.1	28.2	29.0	29.8
97.5°	78.3	63.3	48.4	33.4	27.3	29.9	32.5	35.1	37.7	38.4	39.0
100°	105.8	83.9	61.9	39.9	30.3	33.0	35.7	38.5	41.2	42.4	43.7
102.5°	161.4	156.7	152.1	147.3	133.6	110.8	88.0	65.1	42.3	44.0	45.6
105°	224.4	229.2	234.1	238.8	219.3	175.5	131.7	87.9	44.0	45.8	47.6
107.5°	284.6	288.5	292.4	296.3	272.0	219.3	166.8	114.2	61.7	59.9	58.1
110°	323.4	326.8	330.1	333.5	311.9	265.6	219.2	172.8	126.4	110.4	94.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	360.0	362.9	366.0	368.9	364.7	353.3	341.7	330.3	318.8	260.3	201.8
115°	418.1	420.8	423.5	426.3	429.7	433.6	437.7	441.7	445.8	371.4	297.1
117.5°	470.6	473.6	476.7	479.7	482.6	485.4	488.2	490.9	493.7	475.7	457.8
120°	508.1	510.5	512.9	515.3	518.0	520.9	523.7	526.6	529.5	531.4	533.4
122.5°	540.6	543.1	545.6	548.2	551.0	554.2	557.3	560.5	563.6	564.7	565.9
125°	589.4	591.5	593.6	595.6	598.2	601.3	604.3	607.3	610.5	611.6	612.7
127.5°	634.3	636.6	638.8	641.2	643.5	645.8	648.0	650.4	652.6	654.3	655.9
130°	662.9	665.4	667.9	670.6	672.7	674.5	676.2	678.0	679.7	681.6	683.3
132.5°	691.4	693.6	695.7	697.9	699.8	701.7	703.4	705.2	706.9	708.4	709.9
135°	729.3	731.8	734.5	737.0	739.0	740.4	741.8	743.4	744.8	746.4	748.0
137.5°	766.5	768.3	770.1	771.9	773.7	775.3	776.9	778.5	780.2	781.7	783.4
140°	790.8	792.1	793.5	794.7	796.3	798.0	799.8	801.5	803.3	804.8	806.2
142.5°	811.5	812.7	813.9	815.0	816.6	818.6	820.6	822.6	824.7	826.0	827.3
145°	842.8	842.7	842.5	842.4	843.6	846.4	849.1	851.8	854.5	855.8	856.9
147.5°	870.9	870.3	869.7	869.1	870.1	872.8	875.5	878.2	880.9	881.7	882.5
150°	888.9	887.8	886.7	885.4	886.3	888.8	891.3	893.9	896.5	897.5	898.4
152.5°	904.3	903.1	901.8	900.6	901.2	903.6	906.1	908.5	910.9	911.9	912.8
155°	926.9	925.3	923.9	922.5	922.7	924.6	926.6	928.5	930.4	931.4	932.4
157.5°	944.8	943.6	942.4	941.2	941.2	942.6	943.9	945.2	946.6	947.8	948.8
160°	955.4	954.5	953.5	952.6	952.6	953.5	954.5	955.4	956.4	957.5	958.4
162.5°	964.7	963.8	962.8	961.8	961.8	962.6	963.4	964.3	965.1	966.2	967.2
165°	977.1	976.2	975.2	974.2	974.0	974.5	975.0	975.4	975.9	977.0	978.2
167.5°	986.4	985.4	984.5	983.5	983.2	983.7	984.1	984.6	985.0	986.1	987.3
170°	991.6	990.7	989.7	988.8	988.4	988.8	989.1	989.4	989.7	990.8	991.9
172.5°	995.0	994.1	993.1	992.2	991.9	992.2	992.5	992.8	993.1	994.3	995.4
175°	999.4	998.3	997.1	996.0	995.6	995.9	996.2	996.5	996.9	998.0	999.2
177.5°	1000.4	999.5	998.6	997.6	997.2	997.3	997.5	997.6	997.7	998.7	999.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4	998.4



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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°	13.9	14.0	14.1	14.2	14.3	14.3	13.8
90°	16.9	17.7	18.2	18.6	18.9	19.2	19.5
92.5°	18.0	18.4	18.8	18.9	19.1	19.3	19.5
95°	30.6	31.4	31.7	31.5	31.4	31.2	31.1
97.5°	39.6	40.3	40.7	40.9	41.1	41.3	41.5
100°	45.0	46.4	47.2	47.5	47.8	48.1	48.4
102.5°	47.4	49.0	50.1	50.5	51.0	51.4	51.9
105°	49.4	51.1	52.3	53.0	53.6	54.2	54.9
107.5°	56.2	54.5	53.9	54.5	55.2	55.8	56.5
110°	78.3	62.2	54.5	55.1	55.7	56.5	57.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	143.2	84.6	55.5	56.1	56.7	57.2	57.7
115°	222.8	148.5	105.4	93.9	82.3	70.8	59.3
117.5°	439.7	421.7	393.7	355.8	317.8	279.8	241.9
120°	535.3	537.2	527.4	505.6	484.0	462.3	440.7
122.5°	567.0	568.3	566.7	562.5	558.3	554.1	549.9
125°	613.8	614.9	615.7	616.2	616.7	617.1	617.6
127.5°	657.5	659.1	660.0	660.1	660.2	660.4	660.5
130°	685.1	686.8	687.6	687.5	687.3	687.1	687.0
132.5°	711.4	713.0	713.7	713.5	713.4	713.2	713.0
135°	749.6	751.2	751.8	751.5	751.2	750.8	750.5
137.5°	784.9	786.5	787.0	786.5	785.9	785.4	784.8
140°	807.6	809.1	809.4	808.6	807.8	807.0	806.2
142.5°	828.6	829.9	830.2	829.4	828.6	827.8	827.0
145°	858.0	859.1	859.2	858.5	857.7	856.9	856.1
147.5°	883.4	884.2	884.3	883.6	882.9	882.3	881.6
150°	899.4	900.3	900.4	899.6	898.8	898.0	897.2
152.5°	913.8	914.8	914.7	913.7	912.6	911.6	910.5
155°	933.3	934.3	934.1	932.8	931.6	930.3	929.0
157.5°	949.9	951.0	950.9	949.7	948.4	947.2	945.9
160°	959.4	960.3	960.2	959.1	958.0	956.8	955.7
162.5°	968.4	969.5	969.4	968.0	966.5	965.2	963.8
165°	979.4	980.5	980.5	979.4	978.2	977.0	975.9
167.5°	988.5	989.6	989.4	988.0	986.5	985.0	983.6
170°	993.0	994.2	994.0	992.6	991.1	989.7	988.3
172.5°	996.5	997.6	997.4	996.0	994.6	993.1	991.7
175°	1000.3	1001.4	1001.2	999.6	997.9	996.3	994.7
177.5°	1000.5	1001.4	1001.3	1000.1	999.0	997.7	996.6
180°	998.4	998.4	998.4	998.4	998.4	998.4	998.4

(END OF REPORT)