

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: P332598-840

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

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332598-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-C795D810U840-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

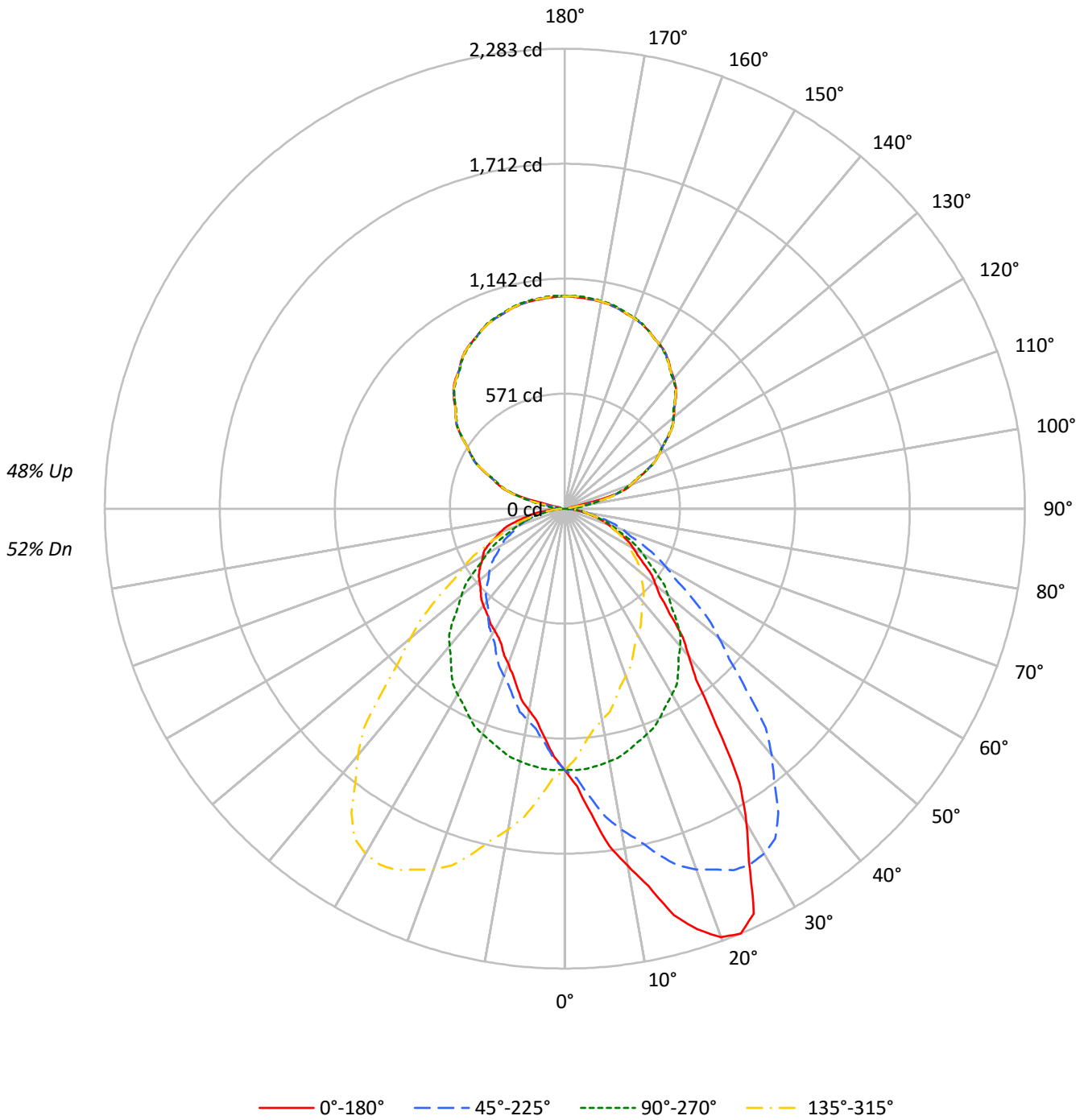
Lumens per Lamp: N/A  
Luminaire Lumens: 6845.8 lumens  
Efficiency: N/A  
Efficacy: 149.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 45.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	52				
1	99	94	90	87	91	87	84	81	75	72	70	63	61	59	52	51	50	44				
2	90	83	77	71	83	77	71	67	66	62	58	55	53	50	46	44	42	38				
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	38	36	32				
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	37	34	31	28				
5	69	58	50	44	64	54	47	41	46	41	37	40	35	32	33	30	27	24				
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21				
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19				
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17				
9	51	39	31	26	47	36	30	25	32	26	23	28	23	20	23	20	18	15				
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	22	18	16	14				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10467	10467	10467	10467
5°	12327	10494	9263	10494
10°	14758	10449	8338	10449
15°	17462	10343	7658	10343
20°	19444	10234	7050	10234
25°	19759	10075	6631	10075
30°	16812	9923	6498	9923
35°	12925	9676	6500	9676
40°	10075	9385	6622	9385
45°	8401	8947	6734	8947
50°	7394	8411	6962	8411
55°	6773	7771	7241	7771
60°	6347	7198	7579	7198
65°	5908	6556	7859	6556
70°	5401	5922	8037	5922
75°	4825	5209	7941	5209
80°	4049	4268	7689	4268
85°	2983	3084	7364	3084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.3	1.8
10°-20°	389.3	5.7
20°-30°	617.4	9.0
30°-40°	687.1	10.0
40°-50°	625.4	9.1
50°-60°	511.1	7.5
60°-70°	364.8	5.3
70°-80°	200.9	2.9
80°-90°	57.9	0.8
90°-100°	36.1	0.5
100°-110°	230.2	3.4
110°-120°	440.4	6.4
120°-130°	559.1	8.2
130°-140°	598.2	8.7
140°-150°	559.3	8.2
150°-160°	451.1	6.6
160°-170°	290.9	4.2
170°-180°	100.3	1.5
0°-30°	1133.0	16.6
0°-40°	1820.1	26.6
0°-60°	2956.5	43.2
0°-90°	3580.2	52.3
90°-120°	706.7	10.3
90°-150°	2423.3	35.4
90°-180°	3266.0	47.7
0°-180°	6845.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1297	1297	1297	1297	1297	
5°	1521	1295	1143	1295	1521	155
15°	2089	1238	916	1238	2089	590
25°	2218	1131	744	1131	2218	978
35°	1312	982	660	982	1312	832
45°	736	784	590	784	736	580
55°	481	552	514	552	481	435
65°	309	343	411	343	309	306
75°	155	167	255	167	155	164
85°	32	33	80	33	32	40
90°	24	2	24	2	24	11
95°	23	43	23	43	23	18
105°	225	238	225	238	225	196
115°	447	444	447	444	447	442
125°	628	624	628	624	628	560
135°	779	774	779	774	779	600
145°	897	892	897	892	897	561
155°	978	978	978	978	978	451
165°	1027	1032	1027	1032	1027	290
175°	1049	1056	1049	1056	1049	100
180°	1056	1056	1056	1056	1056	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1379.9	1379.5	1375.1	1374.3	1371.3	1367.5	1366.5	1359.7	1345.9	1339.5	1337.8
5°	1521.1	1531.8	1517.8	1515.1	1513.5	1495.8	1486.6	1475.9	1451.2	1436.7	1425.4
7.5°	1689.5	1690.7	1684.7	1679.7	1666.1	1650.5	1627.4	1602.7	1573.3	1542.6	1519.5
10°	1800.3	1804.6	1797.7	1796.5	1769.2	1752.0	1717.6	1688.6	1655.3	1618.2	1584.4
12.5°	1917.2	1911.2	1907.6	1884.6	1879.6	1848.3	1808.3	1778.4	1727.1	1684.5	1639.4
15°	2089.3	2077.5	2069.9	2038.2	2022.7	1979.1	1936.7	1904.0	1836.8	1772.9	1724.5
17.5°	2190.2	2202.0	2184.6	2171.6	2131.3	2100.8	2057.5	1988.7	1936.2	1856.8	1795.8
20°	2263.3	2264.3	2254.7	2241.3	2209.6	2170.9	2123.6	2048.4	1985.6	1906.6	1822.9
22.5°	2283.0	2283.3	2279.2	2266.6	2242.6	2211.3	2163.6	2100.8	2024.7	1938.8	1855.1
25°	2218.2	2216.0	2220.9	2234.8	2225.6	2216.0	2188.6	2141.9	2071.0	1980.2	1890.0
27.5°	1977.1	1992.0	2019.2	2053.6	2086.7	2111.9	2119.0	2109.4	2065.5	1990.8	1896.3
30°	1803.5	1821.8	1842.2	1876.5	1943.2	1981.4	2023.2	2054.9	2037.2	1977.5	1889.5
32.5°	1612.8	1617.3	1647.6	1686.7	1747.7	1821.1	1887.4	1951.8	1973.2	1941.9	1868.5
35°	1311.5	1319.1	1351.8	1390.5	1465.2	1554.9	1654.8	1743.9	1817.5	1847.0	1809.5
37.5°	1070.3	1091.9	1115.0	1156.6	1222.3	1303.0	1406.8	1522.2	1631.8	1705.4	1717.8
40°	956.0	969.5	986.1	1017.7	1073.6	1153.2	1242.2	1374.4	1491.0	1596.2	1630.6
42.5°	865.8	873.6	883.8	912.5	955.0	1034.1	1115.5	1231.7	1348.8	1474.6	1532.2
45°	735.8	743.9	761.0	777.7	809.9	864.7	940.4	1036.0	1153.7	1275.1	1381.4
47.5°	642.0	647.1	657.3	675.1	702.5	738.6	800.2	880.1	989.1	1106.9	1220.2
50°	588.7	592.9	601.0	617.1	638.0	670.2	720.7	795.5	880.8	999.6	1110.6
52.5°	546.5	548.3	554.2	565.1	581.8	608.8	650.3	712.1	791.4	897.3	1008.0
55°	481.2	483.4	488.8	496.9	511.3	528.5	560.2	606.3	675.7	767.5	863.6
57.5°	427.5	429.0	433.5	436.7	448.6	462.5	487.0	519.9	572.4	650.3	736.1
60°	393.1	392.0	397.5	400.1	408.2	420.0	438.8	470.5	516.1	579.0	657.9
62.5°	359.6	358.1	362.6	366.2	370.8	380.9	396.3	421.1	458.2	514.9	583.2
65°	309.3	307.2	309.9	314.2	318.5	323.9	335.2	357.2	386.7	427.5	479.6
67.5°	258.8	261.2	261.6	263.7	266.2	273.5	281.2	296.8	317.6	350.3	394.5
70°	228.8	229.3	231.5	231.5	233.1	239.5	246.0	255.1	275.5	305.6	341.5
72.5°	198.7	201.0	200.2	201.9	203.0	207.3	212.1	220.8	238.1	260.4	290.8
75°	154.7	156.3	156.3	156.8	158.4	160.1	163.8	170.3	182.6	199.2	220.3
77.5°	112.8	113.0	113.7	115.7	115.7	118.3	121.1	126.2	132.3	143.7	156.5
80°	87.1	88.1	87.6	88.7	88.7	90.8	91.8	98.3	101.0	108.5	118.7
82.5°	63.8	64.8	64.7	66.2	67.2	67.6	69.1	71.6	74.3	81.0	85.1
85°	32.2	33.3	32.2	33.3	34.9	35.4	37.1	37.6	39.8	41.4	45.1
87.5°	14.2	15.5	15.3	15.7	16.5	16.8	17.0	16.4	17.9	18.1	19.5
90°	23.7	23.3	23.0	22.6	22.3	21.6	20.5	19.5	18.4	17.4	16.0
92.5°	21.8	21.7	21.6	21.6	21.5	20.9	19.9	18.9	17.8	16.8	15.3
95°	22.9	22.7	22.5	22.4	22.2	21.6	20.5	19.5	18.4	17.4	17.2
97.5°	22.1	21.9	21.7	21.6	21.4	21.3	21.2	21.1	20.9	20.8	40.4
100°	22.1	21.9	21.7	21.6	21.4	22.8	25.8	28.8	31.7	34.7	59.0
102.5°	22.7	22.7	22.6	22.6	22.6	38.7	70.9	103.0	135.2	167.4	170.6
105°	225.0	231.4	237.6	244.0	250.3	252.7	251.1	249.5	247.9	246.3	245.5
107.5°	313.7	313.0	312.3	311.6	310.9	310.2	309.4	308.7	307.9	307.2	306.0
110°	352.1	351.6	351.1	350.6	350.0	349.6	349.3	348.9	348.6	348.2	347.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	390.7	390.0	389.4	388.7	388.0	387.7	387.8	387.9	388.0	388.0	387.5
115°	447.0	447.0	447.0	447.0	447.0	446.8	446.4	446.1	445.7	445.4	445.6
117.5°	504.1	504.1	504.2	504.3	504.3	504.4	504.5	504.5	504.6	504.7	504.3
120°	540.1	540.5	540.8	541.2	541.5	541.5	541.2	540.8	540.5	540.1	540.3
122.5°	575.4	575.8	576.1	576.5	576.8	576.9	576.7	576.5	576.3	576.1	575.8
125°	628.5	628.3	628.1	628.0	627.8	627.4	626.9	626.4	625.9	625.4	625.7
127.5°	675.1	675.3	675.4	675.5	675.7	675.8	675.9	676.0	676.1	676.2	675.4
130°	706.7	706.7	706.7	706.7	706.7	706.6	706.4	706.3	706.1	705.9	705.4
132.5°	735.8	735.9	736.0	736.2	736.3	736.3	736.1	736.0	735.8	735.6	734.9
135°	779.3	779.0	778.6	778.3	777.9	777.6	777.2	776.9	776.5	776.2	775.5
137.5°	816.6	816.7	816.8	816.9	817.0	816.9	816.5	816.1	815.8	815.4	814.6
140°	842.5	842.3	842.1	842.0	841.8	841.4	840.9	840.4	839.9	839.3	839.0
142.5°	863.9	863.9	863.9	863.8	863.8	863.6	863.2	862.8	862.5	862.1	861.9
145°	897.0	896.7	896.3	896.0	895.5	895.3	895.1	894.9	894.8	894.6	894.6
147.5°	924.3	924.1	923.9	923.8	923.6	923.4	923.3	923.2	923.0	922.9	923.0
150°	942.0	941.8	941.6	941.5	941.3	941.2	941.2	941.2	941.2	941.2	941.4
152.5°	957.2	957.3	957.4	957.5	957.6	957.5	957.3	956.9	956.6	956.3	956.6
155°	977.5	978.1	978.6	979.1	979.7	979.6	978.9	978.2	977.4	976.7	977.2
157.5°	994.6	995.5	996.4	997.3	998.3	998.3	997.3	996.4	995.5	994.6	995.2
160°	1005.9	1007.0	1008.0	1009.2	1010.2	1010.2	1009.2	1008.0	1007.0	1005.9	1006.1
162.5°	1014.8	1016.0	1017.1	1018.3	1019.6	1019.7	1018.5	1017.5	1016.5	1015.4	1015.6
165°	1027.2	1028.9	1030.5	1032.0	1033.6	1033.7	1032.3	1030.9	1029.5	1028.0	1028.0
167.5°	1036.6	1038.3	1040.1	1041.9	1043.6	1043.7	1042.2	1040.7	1039.1	1037.5	1037.6
170°	1042.3	1044.0	1045.8	1047.5	1049.2	1049.5	1048.0	1046.6	1045.2	1043.9	1043.7
172.5°	1045.4	1047.3	1049.2	1051.2	1053.0	1053.3	1051.9	1050.5	1049.0	1047.6	1047.4
175°	1049.4	1051.5	1053.6	1055.7	1057.8	1058.0	1056.5	1054.9	1053.3	1051.8	1051.6
177.5°	1051.9	1053.6	1055.3	1056.9	1058.6	1058.9	1057.8	1056.7	1055.5	1054.4	1054.2
180°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1338.2	1332.2	1327.9	1324.4	1315.0	1309.4	1305.1	1299.1	1292.2	1285.0	1275.9
5°	1414.1	1395.8	1382.5	1362.0	1342.7	1326.6	1310.0	1294.9	1276.7	1256.8	1242.2
7.5°	1494.0	1466.8	1432.0	1401.8	1367.9	1338.3	1311.9	1284.9	1256.7	1229.4	1204.4
10°	1544.7	1509.7	1471.1	1425.4	1382.5	1344.3	1308.9	1274.6	1241.2	1207.9	1179.4
12.5°	1599.2	1555.7	1498.5	1445.2	1397.0	1346.0	1303.3	1261.2	1221.0	1186.0	1152.8
15°	1672.4	1609.6	1543.6	1472.2	1408.8	1349.2	1290.6	1237.5	1192.3	1146.1	1113.9
17.5°	1717.5	1639.7	1564.2	1489.6	1412.9	1337.7	1274.6	1213.2	1156.7	1110.8	1070.2
20°	1747.2	1669.8	1575.8	1501.2	1409.9	1332.5	1259.5	1191.2	1132.2	1083.3	1041.4
22.5°	1772.9	1683.5	1589.5	1491.3	1400.4	1318.4	1238.4	1169.7	1109.4	1057.9	1017.7
25°	1786.9	1684.3	1582.3	1484.5	1381.4	1284.1	1211.6	1131.1	1066.6	1012.4	969.5
27.5°	1788.4	1678.7	1563.3	1454.6	1348.2	1257.7	1166.1	1094.2	1027.2	969.9	928.6
30°	1783.6	1669.3	1545.2	1427.5	1320.7	1222.4	1143.0	1064.5	996.3	939.4	896.4
32.5°	1768.6	1649.5	1522.0	1397.5	1286.8	1190.6	1108.5	1034.0	967.6	911.4	866.4
35°	1725.2	1607.5	1471.6	1342.2	1228.8	1131.7	1057.5	981.8	915.2	862.0	818.5
37.5°	1657.1	1550.7	1412.6	1278.7	1167.4	1069.8	996.3	927.9	867.8	813.7	769.2
40°	1597.8	1504.4	1365.8	1235.3	1115.0	1022.1	953.3	890.5	830.9	779.8	737.4
42.5°	1529.5	1448.0	1320.3	1182.0	1066.0	972.7	905.6	849.2	793.0	745.9	703.5
45°	1407.7	1354.0	1233.7	1105.9	985.0	897.0	833.0	783.7	736.4	690.1	654.7
47.5°	1267.6	1241.0	1139.7	1018.3	903.6	816.8	761.3	715.7	674.3	635.2	603.9
50°	1173.6	1160.6	1073.1	956.0	846.5	764.8	708.9	669.7	634.3	600.0	570.4
52.5°	1080.8	1080.3	1001.4	894.1	792.7	714.1	658.6	622.1	591.4	563.4	536.8
55°	938.9	953.8	892.1	796.5	705.7	634.8	584.9	552.1	530.7	507.6	487.7
57.5°	808.5	833.4	782.5	698.3	622.6	557.2	513.8	489.2	466.3	452.3	437.9
60°	723.5	747.1	707.3	636.4	565.0	509.2	467.8	445.8	425.9	416.3	406.1
62.5°	647.8	668.9	639.4	573.7	511.7	458.1	423.1	401.9	388.5	378.0	371.2
65°	539.8	557.4	532.3	484.4	431.3	388.3	359.8	343.2	330.3	326.0	318.5
67.5°	436.4	452.4	438.8	398.2	355.6	323.0	300.7	284.8	277.1	273.4	268.0
70°	374.9	391.0	376.5	341.0	308.3	280.9	259.9	250.9	242.8	241.2	233.6
72.5°	322.9	333.9	319.3	291.6	263.6	240.5	224.3	214.7	210.6	207.6	203.6
75°	242.3	251.9	242.3	220.8	200.9	184.8	170.8	167.0	162.2	160.6	157.9
77.5°	171.5	179.9	172.4	159.0	144.1	131.7	124.2	119.4	118.3	115.4	116.7
80°	131.1	136.4	129.5	120.3	108.5	99.9	94.5	91.8	88.7	87.6	89.7
82.5°	94.1	96.4	92.9	86.7	78.0	72.4	68.8	65.6	65.0	65.2	65.2
85°	48.9	48.4	47.8	42.4	39.8	36.0	33.8	33.3	32.7	33.8	34.9
87.5°	19.3	19.4	18.7	16.7	14.9	13.2	12.4	11.6	12.4	13.2	14.1
90°	14.5	13.1	11.7	10.1	8.2	6.3	4.3	2.3	4.3	6.3	8.2
92.5°	13.9	12.5	11.1	10.4	10.3	10.2	10.1	10.0	10.1	10.2	10.3
95°	17.1	16.9	16.7	19.6	25.5	31.5	37.5	43.4	37.5	31.5	25.5
97.5°	60.0	79.6	99.2	107.1	103.4	99.7	95.9	92.2	95.9	99.7	103.4
100°	83.2	107.3	131.6	142.1	139.0	135.8	132.7	129.5	132.7	135.8	139.0
102.5°	173.7	176.8	180.1	180.5	178.1	175.8	173.5	171.2	173.5	175.8	178.1
105°	244.6	243.7	242.9	241.9	240.9	239.7	238.7	237.6	238.7	239.7	240.9
107.5°	304.8	303.6	302.4	301.5	301.0	300.4	299.9	299.4	299.9	300.4	301.0
110°	346.1	345.1	344.0	343.3	342.6	342.1	341.6	341.1	341.6	342.1	342.6





TEST NUMBER: P332598-840  
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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	387.0	386.6	386.1	385.4	384.4	383.4	382.4	381.5	382.4	383.4	384.4
115°	445.7	445.9	446.1	445.9	445.4	444.8	444.2	443.7	444.2	444.8	445.4
117.5°	503.9	503.5	503.2	502.6	501.9	501.2	500.5	499.8	500.5	501.2	501.9
120°	540.5	540.6	540.8	540.5	539.9	539.2	538.5	537.8	538.5	539.2	539.9
122.5°	575.6	575.3	575.1	574.8	574.3	573.9	573.5	573.1	573.5	573.9	574.3
125°	626.1	626.4	626.7	626.6	625.9	625.2	624.5	623.8	624.5	625.2	625.9
127.5°	674.6	673.8	673.0	672.5	672.4	672.2	672.0	671.8	672.0	672.2	672.4
130°	704.9	704.3	703.8	703.5	703.3	703.1	703.0	702.8	703.0	703.1	703.3
132.5°	734.3	733.6	733.0	732.5	732.2	731.8	731.4	731.1	731.4	731.8	732.2
135°	774.8	774.1	773.4	773.2	773.3	773.5	773.7	773.9	773.7	773.5	773.3
137.5°	813.9	813.0	812.2	811.8	811.7	811.7	811.6	811.5	811.6	811.7	811.7
140°	838.7	838.3	838.0	837.6	837.3	836.9	836.6	836.2	836.6	836.9	837.3
142.5°	861.7	861.4	861.2	860.8	860.2	859.6	858.9	858.3	858.9	859.6	860.2
145°	894.6	894.6	894.6	894.3	893.8	893.3	892.8	892.2	892.8	893.3	893.8
147.5°	923.2	923.4	923.6	923.2	922.2	921.2	920.3	919.3	920.3	921.2	922.2
150°	941.6	941.7	941.9	941.6	941.0	940.3	939.6	938.9	939.6	940.3	941.0
152.5°	957.0	957.4	957.7	957.6	956.9	956.3	955.8	955.2	955.8	956.3	956.9
155°	977.8	978.4	978.9	979.1	978.9	978.7	978.5	978.4	978.5	978.7	978.9
157.5°	995.8	996.3	996.9	997.3	997.4	997.5	997.6	997.7	997.6	997.5	997.4
160°	1006.3	1006.5	1006.6	1007.0	1007.5	1008.0	1008.6	1009.2	1008.6	1008.0	1007.5
162.5°	1015.8	1015.9	1016.1	1016.5	1017.2	1017.8	1018.5	1019.3	1018.5	1017.8	1017.2
165°	1028.0	1028.0	1028.0	1028.5	1029.4	1030.3	1031.2	1032.0	1031.2	1030.3	1029.4
167.5°	1037.7	1037.8	1037.9	1038.4	1039.4	1040.3	1041.2	1042.1	1041.2	1040.3	1039.4
170°	1043.5	1043.3	1043.2	1043.6	1044.6	1045.7	1046.7	1047.8	1046.7	1045.7	1044.6
172.5°	1047.3	1047.1	1046.9	1047.4	1048.4	1049.5	1050.6	1051.6	1050.6	1049.5	1048.4
175°	1051.4	1051.3	1051.1	1051.5	1052.6	1053.6	1054.6	1055.7	1054.6	1053.6	1052.6
177.5°	1053.9	1053.6	1053.3	1053.7	1054.6	1055.6	1056.6	1057.6	1056.6	1055.6	1054.6
180°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7



TEST NUMBER: P332598-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1271.6	1267.8	1262.1	1254.5	1248.0	1241.1	1239.4	1236.8	1241.9	1237.7	1236.4
5°	1229.9	1218.6	1204.2	1187.5	1177.8	1163.9	1161.1	1155.8	1150.4	1149.9	1144.5
7.5°	1185.8	1169.2	1150.2	1133.3	1117.5	1102.3	1092.4	1090.1	1082.3	1077.6	1072.3
10°	1157.4	1137.0	1115.0	1098.8	1080.7	1064.5	1053.2	1046.8	1041.4	1035.5	1030.2
12.5°	1123.9	1102.2	1084.1	1066.6	1044.9	1032.7	1014.1	1003.0	1001.9	1002.0	988.1
15°	1084.9	1063.4	1035.5	1010.8	999.0	975.3	965.1	952.2	944.2	936.1	929.7
17.5°	1040.4	1013.6	991.8	963.4	940.9	922.1	908.7	900.9	888.8	877.4	869.1
20°	1012.4	983.9	960.9	930.8	906.1	882.9	871.7	860.9	851.8	842.1	833.0
22.5°	984.0	954.3	926.0	896.9	873.8	849.5	838.6	823.9	815.3	809.9	800.8
25°	939.4	907.2	874.9	847.0	823.3	801.8	787.4	776.1	766.4	762.1	756.2
27.5°	890.8	858.8	827.7	796.0	769.1	753.6	741.9	733.5	727.8	722.2	719.5
30°	859.9	826.6	793.2	763.8	739.0	723.5	712.7	706.8	702.5	699.8	697.1
32.5°	828.5	795.7	760.6	733.7	711.6	697.7	689.5	683.6	681.5	680.4	679.5
35°	778.2	745.0	712.7	688.5	667.6	662.3	655.2	652.1	651.0	654.7	656.3
37.5°	729.5	698.6	669.0	645.6	631.9	624.0	621.6	621.8	625.6	628.9	632.8
40°	698.2	668.1	640.3	619.8	606.9	602.1	601.0	603.7	607.9	611.8	616.0
42.5°	667.7	638.0	612.7	593.6	584.6	580.2	580.8	583.5	589.5	594.1	600.6
45°	620.4	595.6	570.9	555.3	547.9	548.9	548.9	553.7	559.7	566.6	573.6
47.5°	575.7	550.9	530.5	517.5	513.5	512.6	515.6	521.9	530.4	539.1	548.8
50°	545.6	522.0	504.3	492.5	488.2	489.8	494.1	500.0	510.2	521.0	531.2
52.5°	515.1	493.7	477.3	466.3	463.3	466.2	470.5	479.8	488.8	500.4	512.7
55°	467.8	449.5	436.7	428.6	427.5	429.1	433.9	444.1	457.1	471.6	483.4
57.5°	420.6	405.4	393.5	388.0	388.5	390.0	398.0	410.1	423.8	439.3	454.5
60°	388.9	374.9	365.3	360.9	361.4	364.7	374.4	385.7	402.8	417.9	433.9
62.5°	358.8	346.5	337.3	333.5	332.6	339.7	349.0	360.7	377.9	394.7	412.0
65°	310.4	300.7	293.3	291.1	292.8	298.1	309.9	325.5	340.0	357.7	376.0
67.5°	263.2	255.2	250.0	251.1	253.0	260.9	270.8	284.2	300.6	319.0	337.1
70°	233.1	225.6	221.3	221.8	225.0	234.7	243.3	256.7	274.5	293.3	308.3
72.5°	202.2	197.2	193.4	195.6	198.8	205.5	216.2	229.6	245.2	262.8	278.6
75°	155.2	155.2	153.1	154.7	159.6	165.9	174.0	187.9	203.6	217.5	230.5
77.5°	115.1	114.0	115.3	117.3	120.1	127.7	136.9	146.9	158.6	172.6	183.3
80°	88.1	88.7	91.3	94.5	95.6	101.5	111.2	120.3	129.5	141.3	151.5
82.5°	66.1	66.8	68.1	72.2	73.2	79.6	85.8	94.9	103.2	111.2	119.7
85°	36.0	36.0	38.7	40.3	42.9	47.3	51.0	56.4	63.9	69.3	77.4
87.5°	15.8	16.1	18.1	19.3	20.8	23.2	24.3	29.3	31.2	33.5	37.6
90°	10.1	11.7	13.1	14.5	16.0	17.4	18.4	19.5	20.5	21.6	22.3
92.5°	10.4	11.1	12.5	13.9	15.3	16.8	17.8	18.9	19.9	20.9	21.5
95°	19.6	16.7	16.9	17.1	17.2	17.4	18.4	19.5	20.5	21.6	22.2
97.5°	107.1	99.2	79.6	60.0	40.4	20.8	20.9	21.1	21.2	21.3	21.4
100°	142.1	131.6	107.3	83.2	59.0	34.7	31.7	28.8	25.8	22.8	21.4
102.5°	180.5	180.1	176.8	173.7	170.6	167.4	135.2	103.0	70.9	38.7	22.6
105°	241.9	242.9	243.7	244.6	245.5	246.3	247.9	249.5	251.1	252.7	250.3
107.5°	301.5	302.4	303.6	304.8	306.0	307.2	307.9	308.7	309.4	310.2	310.9
110°	343.3	344.0	345.1	346.1	347.2	348.2	348.6	348.9	349.3	349.6	350.0



TEST NUMBER: P332598-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	385.4	386.1	386.6	387.0	387.5	388.0	388.0	387.9	387.8	387.7	388.0
115°	445.9	446.1	445.9	445.7	445.6	445.4	445.7	446.1	446.4	446.8	447.0
117.5°	502.6	503.2	503.5	503.9	504.3	504.7	504.6	504.5	504.5	504.4	504.3
120°	540.5	540.8	540.6	540.5	540.3	540.1	540.5	540.8	541.2	541.5	541.5
122.5°	574.8	575.1	575.3	575.6	575.8	576.1	576.3	576.5	576.7	576.9	576.8
125°	626.6	626.7	626.4	626.1	625.7	625.4	625.9	626.4	626.9	627.4	627.8
127.5°	672.5	673.0	673.8	674.6	675.4	676.2	676.1	676.0	675.9	675.8	675.7
130°	703.5	703.8	704.3	704.9	705.4	705.9	706.1	706.3	706.4	706.6	706.7
132.5°	732.5	733.0	733.6	734.3	734.9	735.6	735.8	736.0	736.1	736.3	736.3
135°	773.2	773.4	774.1	774.8	775.5	776.2	776.5	776.9	777.2	777.6	777.9
137.5°	811.8	812.2	813.0	813.9	814.6	815.4	815.8	816.1	816.5	816.9	817.0
140°	837.6	838.0	838.3	838.7	839.0	839.3	839.9	840.4	840.9	841.4	841.8
142.5°	860.8	861.2	861.4	861.7	861.9	862.1	862.5	862.8	863.2	863.6	863.8
145°	894.3	894.6	894.6	894.6	894.6	894.6	894.8	894.9	895.1	895.3	895.5
147.5°	923.2	923.6	923.4	923.2	923.0	922.9	923.0	923.2	923.3	923.4	923.6
150°	941.6	941.9	941.7	941.6	941.4	941.2	941.2	941.2	941.2	941.2	941.3
152.5°	957.6	957.7	957.4	957.0	956.6	956.3	956.6	956.9	957.3	957.5	957.6
155°	979.1	978.9	978.4	977.8	977.2	976.7	977.4	978.2	978.9	979.6	979.7
157.5°	997.3	996.9	996.3	995.8	995.2	994.6	995.5	996.4	997.3	998.3	998.3
160°	1007.0	1006.6	1006.5	1006.3	1006.1	1005.9	1007.0	1008.0	1009.2	1010.2	1010.2
162.5°	1016.5	1016.1	1015.9	1015.8	1015.6	1015.4	1016.5	1017.5	1018.5	1019.7	1019.6
165°	1028.5	1028.0	1028.0	1028.0	1028.0	1028.0	1029.5	1030.9	1032.3	1033.7	1033.6
167.5°	1038.4	1037.9	1037.8	1037.7	1037.6	1037.5	1039.1	1040.7	1042.2	1043.7	1043.6
170°	1043.6	1043.2	1043.3	1043.5	1043.7	1043.9	1045.2	1046.6	1048.0	1049.5	1049.2
172.5°	1047.4	1046.9	1047.1	1047.3	1047.4	1047.6	1049.0	1050.5	1051.9	1053.3	1053.0
175°	1051.5	1051.1	1051.3	1051.4	1051.6	1051.8	1053.3	1054.9	1056.5	1058.0	1057.8
177.5°	1053.7	1053.3	1053.6	1053.9	1054.2	1054.4	1055.5	1056.7	1057.8	1058.9	1058.6
180°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7



TEST NUMBER: P332598-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1235.5	1234.7	1231.6	1231.2	1231.6	1234.7	1235.5	1236.4	1237.7	1241.9	1236.8
5°	1141.3	1138.6	1137.0	1143.0	1137.0	1138.6	1141.3	1144.5	1149.9	1150.4	1155.8
7.5°	1070.3	1068.1	1063.4	1062.0	1063.4	1068.1	1070.3	1072.3	1077.6	1082.3	1090.1
10°	1024.7	1022.6	1018.3	1017.2	1018.3	1022.6	1024.7	1030.2	1035.5	1041.4	1046.8
12.5°	980.9	976.6	975.7	976.8	975.7	976.6	980.9	988.1	1002.0	1001.9	1003.0
15°	922.7	920.6	914.6	916.3	914.6	920.6	922.7	929.7	936.1	944.2	952.2
17.5°	865.4	862.7	855.6	861.9	855.6	862.7	865.4	869.1	877.4	888.8	900.9
20°	829.3	825.0	821.2	820.6	821.2	825.0	829.3	833.0	842.1	851.8	860.9
22.5°	794.9	791.0	790.7	787.2	790.7	791.0	794.9	800.8	809.9	815.3	823.9
25°	751.9	748.2	747.1	744.4	747.1	748.2	751.9	756.2	762.1	766.4	776.1
27.5°	718.9	717.1	715.2	716.0	715.2	717.1	718.9	719.5	722.2	727.8	733.5
30°	698.7	698.2	697.1	697.1	697.1	698.2	698.7	697.1	699.8	702.5	706.8
32.5°	682.0	681.9	682.6	682.6	682.6	681.9	682.0	679.5	680.4	681.5	683.6
35°	658.4	660.0	661.2	659.5	661.2	660.0	658.4	656.3	654.7	651.0	652.1
37.5°	637.2	638.8	640.4	642.2	640.4	638.8	637.2	632.8	628.9	625.6	621.8
40°	620.9	624.6	625.7	628.4	625.7	624.6	620.9	616.0	611.8	607.9	603.7
42.5°	605.4	609.6	612.4	612.9	612.4	609.6	605.4	600.6	594.1	589.5	583.5
45°	581.7	585.9	589.8	589.8	589.8	585.9	581.7	573.6	566.6	559.7	553.7
47.5°	557.0	563.3	567.0	568.0	567.0	563.3	557.0	548.8	539.1	530.4	521.9
50°	540.3	547.9	551.6	554.3	551.6	547.9	540.3	531.2	521.0	510.2	500.0
52.5°	524.0	531.5	536.5	538.0	536.5	531.5	524.0	512.7	500.4	488.8	479.8
55°	495.7	506.4	512.4	514.5	512.4	506.4	495.7	483.4	471.6	457.1	444.1
57.5°	469.1	479.0	485.8	487.5	485.8	479.0	469.1	454.5	439.3	423.8	410.1
60°	448.5	459.2	467.8	469.4	467.8	459.2	448.5	433.9	417.9	402.8	385.7
62.5°	427.4	438.6	446.4	450.5	446.4	438.6	427.4	412.0	394.7	377.9	360.7
65°	391.0	402.2	409.8	411.4	409.8	402.2	391.0	376.0	357.7	340.0	325.5
67.5°	351.2	362.5	367.5	370.6	367.5	362.5	351.2	337.1	319.0	300.6	284.2
70°	323.4	332.4	337.8	340.5	337.8	332.4	323.4	308.3	293.3	274.5	256.7
72.5°	291.5	301.0	307.3	307.8	307.3	301.0	291.5	278.6	262.8	245.2	229.6
75°	242.8	251.4	254.6	254.6	254.6	251.4	242.8	230.5	217.5	203.6	187.9
77.5°	192.2	196.6	200.7	201.5	200.7	196.6	192.2	183.3	172.6	158.6	146.9
80°	159.6	162.2	165.4	165.4	165.4	162.2	159.6	151.5	141.3	129.5	120.3
82.5°	126.0	128.3	131.5	131.1	131.5	128.3	126.0	119.7	111.2	103.2	94.9
85°	76.2	81.1	80.6	79.5	80.6	81.1	76.2	77.4	69.3	63.9	56.4
87.5°	38.9	39.4	40.8	41.7	40.8	39.4	38.9	37.6	33.5	31.2	29.3
90°	22.6	23.0	23.3	23.7	23.3	23.0	22.6	22.3	21.6	20.5	19.5
92.5°	21.6	21.6	21.7	21.8	21.7	21.6	21.6	21.5	20.9	19.9	18.9
95°	22.4	22.5	22.7	22.9	22.7	22.5	22.4	22.2	21.6	20.5	19.5
97.5°	21.6	21.7	21.9	22.1	21.9	21.7	21.6	21.4	21.3	21.2	21.1
100°	21.6	21.7	21.9	22.1	21.9	21.7	21.6	21.4	22.8	25.8	28.8
102.5°	22.6	22.6	22.7	22.7	22.7	22.6	22.6	22.6	38.7	70.9	103.0
105°	244.0	237.6	231.4	225.0	231.4	237.6	244.0	250.3	252.7	251.1	249.5
107.5°	311.6	312.3	313.0	313.7	313.0	312.3	311.6	310.9	310.2	309.4	308.7
110°	350.6	351.1	351.6	352.1	351.6	351.1	350.6	350.0	349.6	349.3	348.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	388.7	389.4	390.0	390.7	390.0	389.4	388.7	388.0	387.7	387.8	387.9
115°	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	446.8	446.4	446.1
117.5°	504.3	504.2	504.1	504.1	504.1	504.2	504.3	504.3	504.4	504.5	504.5
120°	541.2	540.8	540.5	540.1	540.5	540.8	541.2	541.5	541.5	541.2	540.8
122.5°	576.5	576.1	575.8	575.4	575.8	576.1	576.5	576.8	576.9	576.7	576.5
125°	628.0	628.1	628.3	628.5	628.3	628.1	628.0	627.8	627.4	626.9	626.4
127.5°	675.5	675.4	675.3	675.1	675.3	675.4	675.5	675.7	675.8	675.9	676.0
130°	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.7	706.6	706.4	706.3
132.5°	736.2	736.0	735.9	735.8	735.9	736.0	736.2	736.3	736.3	736.1	736.0
135°	778.3	778.6	779.0	779.3	779.0	778.6	778.3	777.9	777.6	777.2	776.9
137.5°	816.9	816.8	816.7	816.6	816.7	816.8	816.9	817.0	816.9	816.5	816.1
140°	842.0	842.1	842.3	842.5	842.3	842.1	842.0	841.8	841.4	840.9	840.4
142.5°	863.8	863.9	863.9	863.9	863.9	863.9	863.8	863.8	863.6	863.2	862.8
145°	896.0	896.3	896.7	897.0	896.7	896.3	896.0	895.5	895.3	895.1	894.9
147.5°	923.8	923.9	924.1	924.3	924.1	923.9	923.8	923.6	923.4	923.3	923.2
150°	941.5	941.6	941.8	942.0	941.8	941.6	941.5	941.3	941.2	941.2	941.2
152.5°	957.5	957.4	957.3	957.2	957.3	957.4	957.5	957.6	957.5	957.3	956.9
155°	979.1	978.6	978.1	977.5	978.1	978.6	979.1	979.7	979.6	978.9	978.2
157.5°	997.3	996.4	995.5	994.6	995.5	996.4	997.3	998.3	998.3	997.3	996.4
160°	1009.2	1008.0	1007.0	1005.9	1007.0	1008.0	1009.2	1010.2	1010.2	1009.2	1008.0
162.5°	1018.3	1017.1	1016.0	1014.8	1016.0	1017.1	1018.3	1019.6	1019.7	1018.5	1017.5
165°	1032.0	1030.5	1028.9	1027.2	1028.9	1030.5	1032.0	1033.6	1033.7	1032.3	1030.9
167.5°	1041.9	1040.1	1038.3	1036.6	1038.3	1040.1	1041.9	1043.6	1043.7	1042.2	1040.7
170°	1047.5	1045.8	1044.0	1042.3	1044.0	1045.8	1047.5	1049.2	1049.5	1048.0	1046.6
172.5°	1051.2	1049.2	1047.3	1045.4	1047.3	1049.2	1051.2	1053.0	1053.3	1051.9	1050.5
175°	1055.7	1053.6	1051.5	1049.4	1051.5	1053.6	1055.7	1057.8	1058.0	1056.5	1054.9
177.5°	1056.9	1055.3	1053.6	1051.9	1053.6	1055.3	1056.9	1058.6	1058.9	1057.8	1056.7
180°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1239.4	1241.1	1248.0	1254.5	1262.1	1267.8	1271.6	1275.9	1285.0	1292.2	1299.1
5°	1161.1	1163.9	1177.8	1187.5	1204.2	1218.6	1229.9	1242.2	1256.8	1276.7	1294.9
7.5°	1092.4	1102.3	1117.5	1133.3	1150.2	1169.2	1185.8	1204.4	1229.4	1256.7	1284.9
10°	1053.2	1064.5	1080.7	1098.8	1115.0	1137.0	1157.4	1179.4	1207.9	1241.2	1274.6
12.5°	1014.1	1032.7	1044.9	1066.6	1084.1	1102.2	1123.9	1152.8	1186.0	1221.0	1261.2
15°	965.1	975.3	999.0	1010.8	1035.5	1063.4	1084.9	1113.9	1146.1	1192.3	1237.5
17.5°	908.7	922.1	940.9	963.4	991.8	1013.6	1040.4	1070.2	1110.8	1156.7	1213.2
20°	871.7	882.9	906.1	930.8	960.9	983.9	1012.4	1041.4	1083.3	1132.2	1191.2
22.5°	838.6	849.5	873.8	896.9	926.0	954.3	984.0	1017.7	1057.9	1109.4	1169.7
25°	787.4	801.8	823.3	847.0	874.9	907.2	939.4	969.5	1012.4	1066.6	1131.1
27.5°	741.9	753.6	769.1	796.0	827.7	858.8	890.8	928.6	969.9	1027.2	1094.2
30°	712.7	723.5	739.0	763.8	793.2	826.6	859.9	896.4	939.4	996.3	1064.5
32.5°	689.5	697.7	711.6	733.7	760.6	795.7	828.5	866.4	911.4	967.6	1034.0
35°	655.2	662.3	667.6	688.5	712.7	745.0	778.2	818.5	862.0	915.2	981.8
37.5°	621.6	624.0	631.9	645.6	669.0	698.6	729.5	769.2	813.7	867.8	927.9
40°	601.0	602.1	606.9	619.8	640.3	668.1	698.2	737.4	779.8	830.9	890.5
42.5°	580.8	580.2	584.6	593.6	612.7	638.0	667.7	703.5	745.9	793.0	849.2
45°	548.9	548.9	547.9	555.3	570.9	595.6	620.4	654.7	690.1	736.4	783.7
47.5°	515.6	512.6	513.5	517.5	530.5	550.9	575.7	603.9	635.2	674.3	715.7
50°	494.1	489.8	488.2	492.5	504.3	522.0	545.6	570.4	600.0	634.3	669.7
52.5°	470.5	466.2	463.3	466.3	477.3	493.7	515.1	536.8	563.4	591.4	622.1
55°	433.9	429.1	427.5	428.6	436.7	449.5	467.8	487.7	507.6	530.7	552.1
57.5°	398.0	390.0	388.5	388.0	393.5	405.4	420.6	437.9	452.3	466.3	489.2
60°	374.4	364.7	361.4	360.9	365.3	374.9	388.9	406.1	416.3	425.9	445.8
62.5°	349.0	339.7	332.6	333.5	337.3	346.5	358.8	371.2	378.0	388.5	401.9
65°	309.9	298.1	292.8	291.1	293.3	300.7	310.4	318.5	326.0	330.3	343.2
67.5°	270.8	260.9	253.0	251.1	250.0	255.2	263.2	268.0	273.4	277.1	284.8
70°	243.3	234.7	225.0	221.8	221.3	225.6	233.1	233.6	241.2	242.8	250.9
72.5°	216.2	205.5	198.8	195.6	193.4	197.2	202.2	203.6	207.6	210.6	214.7
75°	174.0	165.9	159.6	154.7	153.1	155.2	155.2	157.9	160.6	162.2	167.0
77.5°	136.9	127.7	120.1	117.3	115.3	114.0	115.1	116.7	115.4	118.3	119.4
80°	111.2	101.5	95.6	94.5	91.3	88.7	88.1	89.7	87.6	88.7	91.8
82.5°	85.8	79.6	73.2	72.2	68.1	66.8	66.1	65.2	65.2	65.0	65.6
85°	51.0	47.3	42.9	40.3	38.7	36.0	36.0	34.9	33.8	32.7	33.3
87.5°	24.3	23.2	20.8	19.3	18.1	16.1	15.8	14.1	13.2	12.4	11.6
90°	18.4	17.4	16.0	14.5	13.1	11.7	10.1	8.2	6.3	4.3	2.3
92.5°	17.8	16.8	15.3	13.9	12.5	11.1	10.4	10.3	10.2	10.1	10.0
95°	18.4	17.4	17.2	17.1	16.9	16.7	19.6	25.5	31.5	37.5	43.4
97.5°	20.9	20.8	40.4	60.0	79.6	99.2	107.1	103.4	99.7	95.9	92.2
100°	31.7	34.7	59.0	83.2	107.3	131.6	142.1	139.0	135.8	132.7	129.5
102.5°	135.2	167.4	170.6	173.7	176.8	180.1	180.5	178.1	175.8	173.5	171.2
105°	247.9	246.3	245.5	244.6	243.7	242.9	241.9	240.9	239.7	238.7	237.6
107.5°	307.9	307.2	306.0	304.8	303.6	302.4	301.5	301.0	300.4	299.9	299.4
110°	348.6	348.2	347.2	346.1	345.1	344.0	343.3	342.6	342.1	341.6	341.1



TEST NUMBER: P332598-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	388.0	388.0	387.5	387.0	386.6	386.1	385.4	384.4	383.4	382.4	381.5
115°	445.7	445.4	445.6	445.7	445.9	446.1	445.9	445.4	444.8	444.2	443.7
117.5°	504.6	504.7	504.3	503.9	503.5	503.2	502.6	501.9	501.2	500.5	499.8
120°	540.5	540.1	540.3	540.5	540.6	540.8	540.5	539.9	539.2	538.5	537.8
122.5°	576.3	576.1	575.8	575.6	575.3	575.1	574.8	574.3	573.9	573.5	573.1
125°	625.9	625.4	625.7	626.1	626.4	626.7	626.6	625.9	625.2	624.5	623.8
127.5°	676.1	676.2	675.4	674.6	673.8	673.0	672.5	672.4	672.2	672.0	671.8
130°	706.1	705.9	705.4	704.9	704.3	703.8	703.5	703.3	703.1	703.0	702.8
132.5°	735.8	735.6	734.9	734.3	733.6	733.0	732.5	732.2	731.8	731.4	731.1
135°	776.5	776.2	775.5	774.8	774.1	773.4	773.2	773.3	773.5	773.7	773.9
137.5°	815.8	815.4	814.6	813.9	813.0	812.2	811.8	811.7	811.7	811.6	811.5
140°	839.9	839.3	839.0	838.7	838.3	838.0	837.6	837.3	836.9	836.6	836.2
142.5°	862.5	862.1	861.9	861.7	861.4	861.2	860.8	860.2	859.6	858.9	858.3
145°	894.8	894.6	894.6	894.6	894.6	894.6	894.3	893.8	893.3	892.8	892.2
147.5°	923.0	922.9	923.0	923.2	923.4	923.6	923.2	922.2	921.2	920.3	919.3
150°	941.2	941.2	941.4	941.6	941.7	941.9	941.6	941.0	940.3	939.6	938.9
152.5°	956.6	956.3	956.6	957.0	957.4	957.7	957.6	956.9	956.3	955.8	955.2
155°	977.4	976.7	977.2	977.8	978.4	978.9	979.1	978.9	978.7	978.5	978.4
157.5°	995.5	994.6	995.2	995.8	996.3	996.9	997.3	997.4	997.5	997.6	997.7
160°	1007.0	1005.9	1006.1	1006.3	1006.5	1006.6	1007.0	1007.5	1008.0	1008.6	1009.2
162.5°	1016.5	1015.4	1015.6	1015.8	1015.9	1016.1	1016.5	1017.2	1017.8	1018.5	1019.3
165°	1029.5	1028.0	1028.0	1028.0	1028.0	1028.0	1028.5	1029.4	1030.3	1031.2	1032.0
167.5°	1039.1	1037.5	1037.6	1037.7	1037.8	1037.9	1038.4	1039.4	1040.3	1041.2	1042.1
170°	1045.2	1043.9	1043.7	1043.5	1043.3	1043.2	1043.6	1044.6	1045.7	1046.7	1047.8
172.5°	1049.0	1047.6	1047.4	1047.3	1047.1	1046.9	1047.4	1048.4	1049.5	1050.6	1051.6
175°	1053.3	1051.8	1051.6	1051.4	1051.3	1051.1	1051.5	1052.6	1053.6	1054.6	1055.7
177.5°	1055.5	1054.4	1054.2	1053.9	1053.6	1053.3	1053.7	1054.6	1055.6	1056.6	1057.6
180°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7



TEST NUMBER: P332598-840  
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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1305.1	1309.4	1315.0	1324.4	1327.9	1332.2	1338.2	1337.8	1339.5	1345.9	1359.7
5°	1310.0	1326.6	1342.7	1362.0	1382.5	1395.8	1414.1	1425.4	1436.7	1451.2	1475.9
7.5°	1311.9	1338.3	1367.9	1401.8	1432.0	1466.8	1494.0	1519.5	1542.6	1573.3	1602.7
10°	1308.9	1344.3	1382.5	1425.4	1471.1	1509.7	1544.7	1584.4	1618.2	1655.3	1688.6
12.5°	1303.3	1346.0	1397.0	1445.2	1498.5	1555.7	1599.2	1639.4	1684.5	1727.1	1778.4
15°	1290.6	1349.2	1408.8	1472.2	1543.6	1609.6	1672.4	1724.5	1772.9	1836.8	1904.0
17.5°	1274.6	1337.7	1412.9	1489.6	1564.2	1639.7	1717.5	1795.8	1856.8	1936.2	1988.7
20°	1259.5	1332.5	1409.9	1501.2	1575.8	1669.8	1747.2	1822.9	1906.6	1985.6	2048.4
22.5°	1238.4	1318.4	1400.4	1491.3	1589.5	1683.5	1772.9	1855.1	1938.8	2024.7	2100.8
25°	1211.6	1284.1	1381.4	1484.5	1582.3	1684.3	1786.9	1890.0	1980.2	2071.0	2141.9
27.5°	1166.1	1257.7	1348.2	1454.6	1563.3	1678.7	1788.4	1896.3	1990.8	2065.5	2109.4
30°	1143.0	1222.4	1320.7	1427.5	1545.2	1669.3	1783.6	1889.5	1977.5	2037.2	2054.9
32.5°	1108.5	1190.6	1286.8	1397.5	1522.0	1649.5	1768.6	1868.5	1941.9	1973.2	1951.8
35°	1057.5	1131.7	1228.8	1342.2	1471.6	1607.5	1725.2	1809.5	1847.0	1817.5	1743.9
37.5°	996.3	1069.8	1167.4	1278.7	1412.6	1550.7	1657.1	1717.8	1705.4	1631.8	1522.2
40°	953.3	1022.1	1115.0	1235.3	1365.8	1504.4	1597.8	1630.6	1596.2	1491.0	1374.4
42.5°	905.6	972.7	1066.0	1182.0	1320.3	1448.0	1529.5	1532.2	1474.6	1348.8	1231.7
45°	833.0	897.0	985.0	1105.9	1233.7	1354.0	1407.7	1381.4	1275.1	1153.7	1036.0
47.5°	761.3	816.8	903.6	1018.3	1139.7	1241.0	1267.6	1220.2	1106.9	989.1	880.1
50°	708.9	764.8	846.5	956.0	1073.1	1160.6	1173.6	1110.6	999.6	880.8	795.5
52.5°	658.6	714.1	792.7	894.1	1001.4	1080.3	1080.8	1008.0	897.3	791.4	712.1
55°	584.9	634.8	705.7	796.5	892.1	953.8	938.9	863.6	767.5	675.7	606.3
57.5°	513.8	557.2	622.6	698.3	782.5	833.4	808.5	736.1	650.3	572.4	519.9
60°	467.8	509.2	565.0	636.4	707.3	747.1	723.5	657.9	579.0	516.1	470.5
62.5°	423.1	458.1	511.7	573.7	639.4	668.9	647.8	583.2	514.9	458.2	421.1
65°	359.8	388.3	431.3	484.4	532.3	557.4	539.8	479.6	427.5	386.7	357.2
67.5°	300.7	323.0	355.6	398.2	438.8	452.4	436.4	394.5	350.3	317.6	296.8
70°	259.9	280.9	308.3	341.0	376.5	391.0	374.9	341.5	305.6	275.5	255.1
72.5°	224.3	240.5	263.6	291.6	319.3	333.9	322.9	290.8	260.4	238.1	220.8
75°	170.8	184.8	200.9	220.8	242.3	251.9	242.3	220.3	199.2	182.6	170.3
77.5°	124.2	131.7	144.1	159.0	172.4	179.9	171.5	156.5	143.7	132.3	126.2
80°	94.5	99.9	108.5	120.3	129.5	136.4	131.1	118.7	108.5	101.0	98.3
82.5°	68.8	72.4	78.0	86.7	92.9	96.4	94.1	85.1	81.0	74.3	71.6
85°	33.8	36.0	39.8	42.4	47.8	48.4	48.9	45.1	41.4	39.8	37.6
87.5°	12.4	13.2	14.9	16.7	18.7	19.4	19.3	19.5	18.1	17.9	16.4
90°	4.3	6.3	8.2	10.1	11.7	13.1	14.5	16.0	17.4	18.4	19.5
92.5°	10.1	10.2	10.3	10.4	11.1	12.5	13.9	15.3	16.8	17.8	18.9
95°	37.5	31.5	25.5	19.6	16.7	16.9	17.1	17.2	17.4	18.4	19.5
97.5°	95.9	99.7	103.4	107.1	99.2	79.6	60.0	40.4	20.8	20.9	21.1
100°	132.7	135.8	139.0	142.1	131.6	107.3	83.2	59.0	34.7	31.7	28.8
102.5°	173.5	175.8	178.1	180.5	180.1	176.8	173.7	170.6	167.4	135.2	103.0
105°	238.7	239.7	240.9	241.9	242.9	243.7	244.6	245.5	246.3	247.9	249.5
107.5°	299.9	300.4	301.0	301.5	302.4	303.6	304.8	306.0	307.2	307.9	308.7
110°	341.6	342.1	342.6	343.3	344.0	345.1	346.1	347.2	348.2	348.6	348.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	382.4	383.4	384.4	385.4	386.1	386.6	387.0	387.5	388.0	388.0	387.9
115°	444.2	444.8	445.4	445.9	446.1	445.9	445.7	445.6	445.4	445.7	446.1
117.5°	500.5	501.2	501.9	502.6	503.2	503.5	503.9	504.3	504.7	504.6	504.5
120°	538.5	539.2	539.9	540.5	540.8	540.6	540.5	540.3	540.1	540.5	540.8
122.5°	573.5	573.9	574.3	574.8	575.1	575.3	575.6	575.8	576.1	576.3	576.5
125°	624.5	625.2	625.9	626.6	626.7	626.4	626.1	625.7	625.4	625.9	626.4
127.5°	672.0	672.2	672.4	672.5	673.0	673.8	674.6	675.4	676.2	676.1	676.0
130°	703.0	703.1	703.3	703.5	703.8	704.3	704.9	705.4	705.9	706.1	706.3
132.5°	731.4	731.8	732.2	732.5	733.0	733.6	734.3	734.9	735.6	735.8	736.0
135°	773.7	773.5	773.3	773.2	773.4	774.1	774.8	775.5	776.2	776.5	776.9
137.5°	811.6	811.7	811.7	811.8	812.2	813.0	813.9	814.6	815.4	815.8	816.1
140°	836.6	836.9	837.3	837.6	838.0	838.3	838.7	839.0	839.3	839.9	840.4
142.5°	858.9	859.6	860.2	860.8	861.2	861.4	861.7	861.9	862.1	862.5	862.8
145°	892.8	893.3	893.8	894.3	894.6	894.6	894.6	894.6	894.6	894.8	894.9
147.5°	920.3	921.2	922.2	923.2	923.6	923.4	923.2	923.0	922.9	923.0	923.2
150°	939.6	940.3	941.0	941.6	941.9	941.7	941.6	941.4	941.2	941.2	941.2
152.5°	955.8	956.3	956.9	957.6	957.7	957.4	957.0	956.6	956.3	956.6	956.9
155°	978.5	978.7	978.9	979.1	978.9	978.4	977.8	977.2	976.7	977.4	978.2
157.5°	997.6	997.5	997.4	997.3	996.9	996.3	995.8	995.2	994.6	995.5	996.4
160°	1008.6	1008.0	1007.5	1007.0	1006.6	1006.5	1006.3	1006.1	1005.9	1007.0	1008.0
162.5°	1018.5	1017.8	1017.2	1016.5	1016.1	1015.9	1015.8	1015.6	1015.4	1016.5	1017.5
165°	1031.2	1030.3	1029.4	1028.5	1028.0	1028.0	1028.0	1028.0	1028.0	1029.5	1030.9
167.5°	1041.2	1040.3	1039.4	1038.4	1037.9	1037.8	1037.7	1037.6	1037.5	1039.1	1040.7
170°	1046.7	1045.7	1044.6	1043.6	1043.2	1043.3	1043.5	1043.7	1043.9	1045.2	1046.6
172.5°	1050.6	1049.5	1048.4	1047.4	1046.9	1047.1	1047.3	1047.4	1047.6	1049.0	1050.5
175°	1054.6	1053.6	1052.6	1051.5	1051.1	1051.3	1051.4	1051.6	1051.8	1053.3	1054.9
177.5°	1056.6	1055.6	1054.6	1053.7	1053.3	1053.6	1053.9	1054.2	1054.4	1055.5	1056.7
180°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1366.5	1367.5	1371.3	1374.3	1375.1	1379.5	1379.9
5°	1486.6	1495.8	1513.5	1515.1	1517.8	1531.8	1521.1
7.5°	1627.4	1650.5	1666.1	1679.7	1684.7	1690.7	1689.5
10°	1717.6	1752.0	1769.2	1796.5	1797.7	1804.6	1800.3
12.5°	1808.3	1848.3	1879.6	1884.6	1907.6	1911.2	1917.2
15°	1936.7	1979.1	2022.7	2038.2	2069.9	2077.5	2089.3
17.5°	2057.5	2100.8	2131.3	2171.6	2184.6	2202.0	2190.2
20°	2123.6	2170.9	2209.6	2241.3	2254.7	2264.3	2263.3
22.5°	2163.6	2211.3	2242.6	2266.6	2279.2	2283.3	2283.0
25°	2188.6	2216.0	2225.6	2234.8	2220.9	2216.0	2218.2
27.5°	2119.0	2111.9	2086.7	2053.6	2019.2	1992.0	1977.1
30°	2023.2	1981.4	1943.2	1876.5	1842.2	1821.8	1803.5
32.5°	1887.4	1821.1	1747.7	1686.7	1647.6	1617.3	1612.8
35°	1654.8	1554.9	1465.2	1390.5	1351.8	1319.1	1311.5
37.5°	1406.8	1303.0	1222.3	1156.6	1115.0	1091.9	1070.3
40°	1242.2	1153.2	1073.6	1017.7	986.1	969.5	956.0
42.5°	1115.5	1034.1	955.0	912.5	883.8	873.6	865.8
45°	940.4	864.7	809.9	777.7	761.0	743.9	735.8
47.5°	800.2	738.6	702.5	675.1	657.3	647.1	642.0
50°	720.7	670.2	638.0	617.1	601.0	592.9	588.7
52.5°	650.3	608.8	581.8	565.1	554.2	548.3	546.5
55°	560.2	528.5	511.3	496.9	488.8	483.4	481.2
57.5°	487.0	462.5	448.6	436.7	433.5	429.0	427.5
60°	438.8	420.0	408.2	400.1	397.5	392.0	393.1
62.5°	396.3	380.9	370.8	366.2	362.6	358.1	359.6
65°	335.2	323.9	318.5	314.2	309.9	307.2	309.3
67.5°	281.2	273.5	266.2	263.7	261.6	261.2	258.8
70°	246.0	239.5	233.1	231.5	231.5	229.3	228.8
72.5°	212.1	207.3	203.0	201.9	200.2	201.0	198.7
75°	163.8	160.1	158.4	156.8	156.3	156.3	154.7
77.5°	121.1	118.3	115.7	115.7	113.7	113.0	112.8
80°	91.8	90.8	88.7	88.7	87.6	88.1	87.1
82.5°	69.1	67.6	67.2	66.2	64.7	64.8	63.8
85°	37.1	35.4	34.9	33.3	32.2	33.3	32.2
87.5°	17.0	16.8	16.5	15.7	15.3	15.5	14.2
90°	20.5	21.6	22.3	22.6	23.0	23.3	23.7
92.5°	19.9	20.9	21.5	21.6	21.6	21.7	21.8
95°	20.5	21.6	22.2	22.4	22.5	22.7	22.9
97.5°	21.2	21.3	21.4	21.6	21.7	21.9	22.1
100°	25.8	22.8	21.4	21.6	21.7	21.9	22.1
102.5°	70.9	38.7	22.6	22.6	22.6	22.7	22.7
105°	251.1	252.7	250.3	244.0	237.6	231.4	225.0
107.5°	309.4	310.2	310.9	311.6	312.3	313.0	313.7
110°	349.3	349.6	350.0	350.6	351.1	351.6	352.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	387.8	387.7	388.0	388.7	389.4	390.0	390.7
115°	446.4	446.8	447.0	447.0	447.0	447.0	447.0
117.5°	504.5	504.4	504.3	504.3	504.2	504.1	504.1
120°	541.2	541.5	541.5	541.2	540.8	540.5	540.1
122.5°	576.7	576.9	576.8	576.5	576.1	575.8	575.4
125°	626.9	627.4	627.8	628.0	628.1	628.3	628.5
127.5°	675.9	675.8	675.7	675.5	675.4	675.3	675.1
130°	706.4	706.6	706.7	706.7	706.7	706.7	706.7
132.5°	736.1	736.3	736.3	736.2	736.0	735.9	735.8
135°	777.2	777.6	777.9	778.3	778.6	779.0	779.3
137.5°	816.5	816.9	817.0	816.9	816.8	816.7	816.6
140°	840.9	841.4	841.8	842.0	842.1	842.3	842.5
142.5°	863.2	863.6	863.8	863.8	863.9	863.9	863.9
145°	895.1	895.3	895.5	896.0	896.3	896.7	897.0
147.5°	923.3	923.4	923.6	923.8	923.9	924.1	924.3
150°	941.2	941.2	941.3	941.5	941.6	941.8	942.0
152.5°	957.3	957.5	957.6	957.5	957.4	957.3	957.2
155°	978.9	979.6	979.7	979.1	978.6	978.1	977.5
157.5°	997.3	998.3	998.3	997.3	996.4	995.5	994.6
160°	1009.2	1010.2	1010.2	1009.2	1008.0	1007.0	1005.9
162.5°	1018.5	1019.7	1019.6	1018.3	1017.1	1016.0	1014.8
165°	1032.3	1033.7	1033.6	1032.0	1030.5	1028.9	1027.2
167.5°	1042.2	1043.7	1043.6	1041.9	1040.1	1038.3	1036.6
170°	1048.0	1049.5	1049.2	1047.5	1045.8	1044.0	1042.3
172.5°	1051.9	1053.3	1053.0	1051.2	1049.2	1047.3	1045.4
175°	1056.5	1058.0	1057.8	1055.7	1053.6	1051.5	1049.4
177.5°	1057.8	1058.9	1058.6	1056.9	1055.3	1053.6	1051.9
180°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7

(END OF REPORT)