

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: P331854-940

Luminaire Tested: **S122RDIW-S1005D970U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331854-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S1005D970U940-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

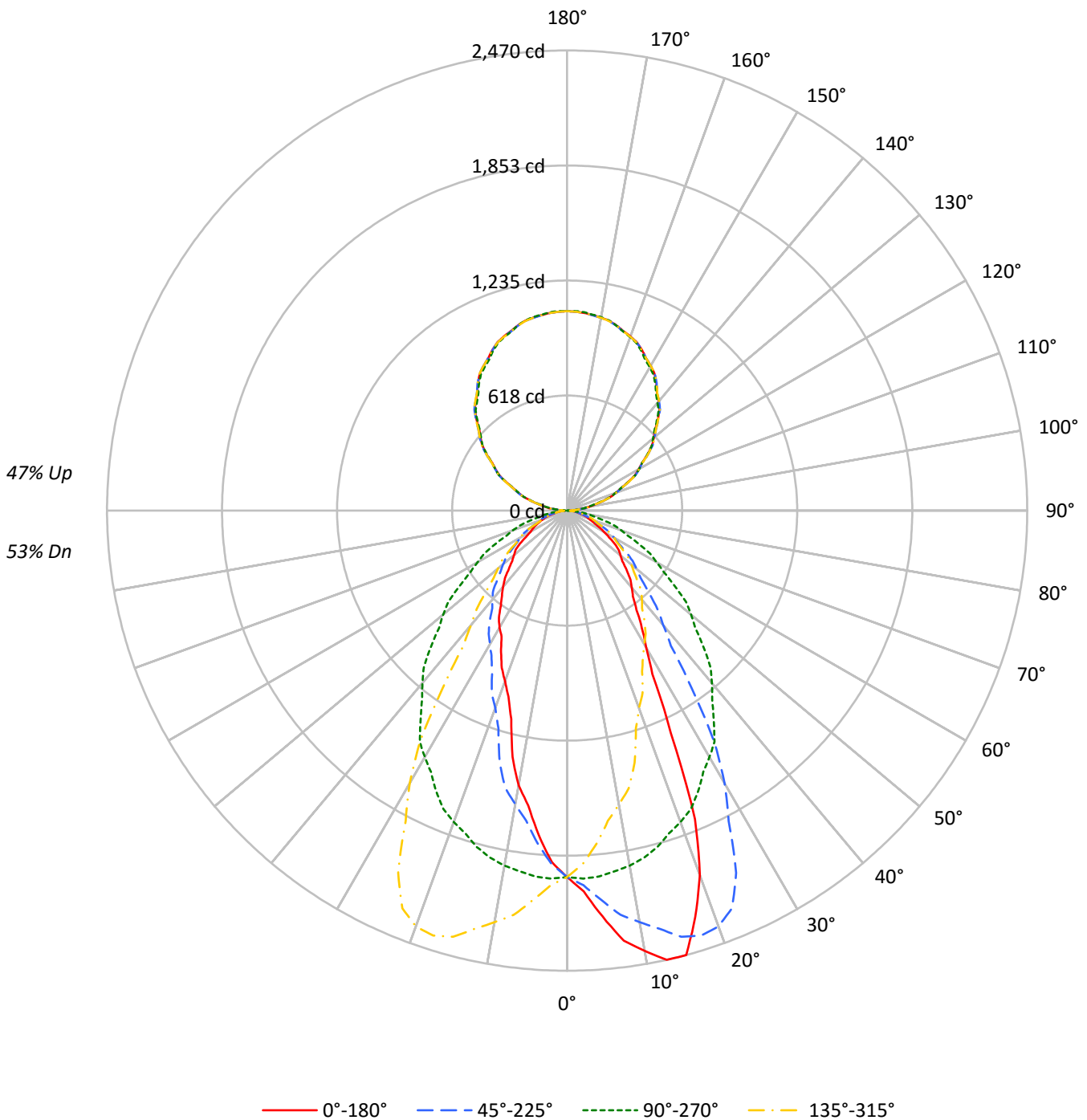
Lumens per Lamp: N/A  
Luminaire Lumens: 6395.7 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	92	88	92	88	85	83	76	74	72	64	63	61	53	52	51	46
2	91	84	78	74	84	78	73	69	67	64	61	57	55	52	48	46	45	40
3	84	75	68	62	77	70	64	59	60	56	52	52	48	45	43	41	39	35
4	77	67	59	54	71	63	56	51	54	49	45	47	43	40	39	37	35	31
5	71	60	52	47	66	56	49	44	49	44	40	42	38	35	36	33	31	28
6	66	54	47	41	61	51	44	39	45	39	35	39	35	31	33	30	28	25
7	61	49	42	37	57	47	40	35	41	35	32	36	31	28	31	27	25	22
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20
9	53	42	34	30	50	39	33	28	35	29	26	30	26	23	26	23	21	19
10	50	38	31	27	47	36	30	26	32	27	23	28	24	21	25	21	19	17

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

	0°	90°	180°	270°
0°	31752	31752	31752	31752
5°	35462	31951	28329	31951
10°	39346	31727	24556	31727
15°	41279	31263	19348	31263
20°	35787	30574	16744	30574
25°	23469	29630	14949	29630
30°	15797	28486	13530	28486
35°	12796	27045	12203	27045
40°	11377	25478	11291	25478
45°	10298	23640	10079	23640
50°	9372	21815	9339	21815
55°	8811	19792	8695	19792
60°	7369	17938	7282	17938
65°	6212	16290	7049	16290
70°	5740	14549	6647	14549
75°	5371	12664	6138	12664
80°	4956	10423	5467	10423
85°	4557	8225	4798	8225



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	2.9
10°-20°	519.5	8.1
20°-30°	669.4	10.5
30°-40°	636.1	9.9
40°-50°	544.9	8.5
50°-60°	415.0	6.5
60°-70°	262.3	4.1
70°-80°	131.0	2.0
80°-90°	38.4	0.6
90°-100°	67.8	1.1
100°-110°	210.6	3.3
110°-120°	360.0	5.6
120°-130°	473.5	7.4
130°-140°	531.4	8.3
140°-150°	521.1	8.1
150°-160°	437.0	6.8
160°-170°	289.9	4.5
170°-180°	101.3	1.6
0°-30°	1375.3	21.5
0°-40°	2011.4	31.4
0°-60°	2971.3	46.5
0°-90°	3403.0	53.2
90°-120°	638.5	10.0
90°-150°	2164.4	33.8
90°-180°	2993.0	46.8
0°-180°	6395.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1967	1967	1967	1967	1967	
5°	2188	1971	1748	1971	2188	216
15°	2470	1870	1158	1870	2470	666
25°	1317	1663	839	1663	1317	625
35°	649	1372	619	1372	649	415
45°	451	1035	441	1035	451	349
55°	313	703	309	703	313	275
65°	163	426	184	426	163	166
75°	86	203	98	203	86	91
85°	25	44	26	44	25	27
90°	31	1	31	1	31	14
95°	56	47	56	47	56	62
105°	200	194	200	194	200	211
115°	361	361	361	361	361	357
125°	527	526	527	526	527	470
135°	688	680	688	680	688	530
145°	835	826	835	826	835	521
155°	951	944	951	944	951	438
165°	1028	1027	1028	1027	1028	290
175°	1065	1068	1065	1068	1065	101
180°	1070	1070	1070	1070	1070	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2046.4	2048.1	2049.7	2045.9	2045.9	2042.6	2035.5	2030.0	2014.7	2012.5	2012.5
5°	2188.0	2186.7	2189.3	2180.5	2168.2	2165.4	2152.5	2135.4	2117.6	2097.8	2093.7
7.5°	2328.8	2326.7	2321.2	2319.8	2310.3	2289.6	2268.8	2246.5	2217.0	2188.2	2173.6
10°	2399.9	2422.4	2408.7	2384.8	2389.6	2357.5	2340.4	2311.0	2286.4	2243.4	2233.8
12.5°	2469.8	2478.7	2474.3	2460.8	2454.6	2432.3	2409.2	2383.7	2338.3	2299.6	2266.0
15°	2469.5	2482.5	2485.9	2481.8	2485.3	2483.9	2471.6	2450.4	2410.7	2368.4	2331.5
17.5°	2287.2	2296.2	2318.6	2333.8	2353.0	2393.4	2413.3	2421.2	2415.3	2391.1	2365.1
20°	2082.8	2067.7	2130.6	2162.8	2190.0	2258.3	2317.1	2339.7	2375.9	2375.3	2368.4
22.5°	1793.1	1796.6	1856.2	1894.4	1974.2	2042.5	2109.4	2194.3	2264.4	2310.7	2337.8
25°	1317.4	1343.5	1402.8	1454.8	1543.6	1670.7	1786.2	1920.1	2046.6	2146.3	2241.3
27.5°	989.4	991.4	1038.5	1086.5	1139.2	1243.4	1388.8	1548.7	1728.9	1877.7	2048.7
30°	847.3	843.2	863.0	892.4	937.5	1018.2	1127.5	1284.7	1464.4	1688.5	1888.0
32.5°	746.7	747.0	761.9	783.6	821.1	875.5	950.4	1078.0	1247.9	1468.2	1702.2
35°	649.2	648.5	659.4	675.1	690.8	725.7	776.9	843.9	960.7	1166.4	1405.6
37.5°	579.2	582.2	587.5	597.4	614.7	634.1	664.9	709.8	793.1	914.7	1115.7
40°	539.8	541.2	548.7	556.9	567.1	582.2	607.4	643.7	704.5	801.6	948.4
42.5°	503.7	505.2	510.4	518.1	526.2	541.2	562.1	593.4	642.7	718.5	839.6
45°	451.0	451.0	455.8	459.2	468.1	481.7	498.8	524.8	558.9	615.0	695.6
47.5°	401.5	401.6	404.8	410.7	416.3	427.0	443.7	464.9	489.8	533.2	602.0
50°	373.1	373.8	375.9	380.6	384.1	393.6	406.6	425.0	451.0	484.5	541.9
52.5°	350.2	349.7	352.3	354.4	356.7	363.6	373.3	389.5	412.7	441.8	489.4
55°	313.0	310.2	314.3	317.7	319.8	322.5	328.0	338.2	358.0	382.6	418.2
57.5°	266.5	265.4	268.3	271.4	277.9	285.3	289.9	296.4	306.7	324.3	359.5
60°	228.2	228.2	234.3	236.4	244.0	253.5	263.1	268.6	278.8	290.4	316.4
62.5°	194.3	194.9	197.8	199.8	204.0	215.8	229.2	241.2	250.9	262.0	279.2
65°	162.6	164.0	164.0	165.3	168.1	170.9	176.3	185.8	203.0	218.6	231.7
67.5°	138.0	138.5	138.8	140.2	140.9	143.9	146.1	150.3	154.3	169.2	185.3
70°	121.6	123.7	123.0	124.4	125.0	126.4	129.1	131.2	137.3	140.8	150.3
72.5°	106.3	107.8	107.7	108.5	110.3	110.6	112.7	114.8	118.8	121.6	126.8
75°	86.1	85.4	86.1	87.5	88.2	88.8	88.8	91.6	93.6	96.3	99.8
77.5°	66.4	67.1	67.0	67.1	67.2	68.5	68.3	69.6	71.6	72.9	74.6
80°	53.3	53.9	53.3	53.9	54.7	55.4	54.7	55.4	57.4	58.8	58.8
82.5°	41.3	41.4	41.8	42.0	42.1	42.3	43.2	43.3	44.9	44.6	45.1
85°	24.6	23.9	23.9	23.9	24.6	25.3	24.6	24.6	25.3	25.3	25.3
87.5°	14.9	15.4	15.3	15.3	15.2	15.3	15.3	16.0	15.5	16.1	14.7
90°	30.7	30.5	30.3	30.1	29.9	30.0	30.4	30.8	31.2	31.6	27.2
92.5°	29.2	29.2	29.2	29.2	29.1	29.1	29.0	28.9	28.8	28.7	27.6
95°	56.0	56.4	56.8	57.2	57.6	57.8	57.8	57.8	57.8	57.8	57.4
97.5°	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	96.4
100°	123.8	123.9	124.1	124.3	124.6	124.7	124.7	124.7	124.7	124.7	124.0
102.5°	154.1	154.3	154.4	154.7	154.9	154.9	154.7	154.6	154.4	154.3	153.5
105°	200.5	200.5	200.5	200.5	200.5	200.3	199.9	199.5	199.1	198.7	198.3
107.5°	244.2	245.1	246.0	247.0	247.9	248.3	248.2	248.0	247.8	247.6	247.6
110°	278.2	278.7	279.4	280.0	280.6	280.9	280.9	280.9	280.9	280.9	280.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	310.7	311.1	311.6	312.0	312.5	312.9	313.4	313.9	314.3	314.9	315.0
115°	361.2	361.9	362.5	363.1	363.6	364.1	364.3	364.4	364.7	364.9	365.2
117.5°	409.5	410.1	410.7	411.3	411.9	412.4	413.0	413.4	413.9	414.4	415.5
120°	443.4	444.1	444.7	445.2	445.9	446.2	446.2	446.2	446.2	446.2	447.8
122.5°	476.7	477.2	477.6	478.0	478.5	478.9	479.4	479.9	480.4	480.8	482.0
125°	527.4	527.6	527.9	528.1	528.2	528.7	529.2	529.9	530.5	531.1	531.6
127.5°	573.7	574.4	575.0	575.6	576.2	576.9	577.7	578.4	579.1	579.9	580.6
130°	606.9	607.7	608.5	609.3	610.1	610.7	611.2	611.5	612.0	612.3	612.8
132.5°	638.7	639.4	640.0	640.7	641.3	642.0	642.9	643.8	644.7	645.6	645.5
135°	688.2	688.8	689.4	690.0	690.6	691.0	691.3	691.4	691.6	691.8	691.4
137.5°	733.0	733.8	734.6	735.4	736.2	736.7	736.9	737.0	737.2	737.4	736.8
140°	764.1	764.9	765.7	766.5	767.3	767.7	767.7	767.7	767.7	767.7	766.7
142.5°	792.3	793.1	793.9	794.7	795.5	795.8	795.7	795.5	795.3	795.1	794.5
145°	834.6	835.4	836.2	837.0	837.8	838.0	837.9	837.7	837.4	837.2	836.1
147.5°	872.3	873.1	873.8	874.6	875.3	875.5	875.0	874.6	874.1	873.7	872.9
150°	896.9	897.4	898.0	898.7	899.3	899.3	898.7	898.0	897.4	896.9	896.1
152.5°	920.0	920.7	921.5	922.3	923.0	923.0	922.3	921.5	920.7	920.0	919.0
155°	951.0	951.6	952.3	952.9	953.4	953.2	952.3	951.3	950.2	949.2	948.6
157.5°	977.8	978.7	979.7	980.7	981.6	981.4	980.1	978.7	977.3	976.0	975.6
160°	994.4	995.2	996.0	996.8	997.6	997.4	996.2	995.0	993.8	992.6	992.4
162.5°	1008.9	1009.8	1010.8	1011.7	1012.7	1012.5	1011.1	1009.8	1008.4	1007.0	1006.8
165°	1027.8	1028.9	1029.8	1030.8	1031.8	1031.6	1030.2	1028.9	1027.4	1026.0	1026.0
167.5°	1043.4	1044.4	1045.4	1046.5	1047.5	1047.3	1046.0	1044.6	1043.1	1041.7	1041.8
170°	1051.3	1052.5	1053.7	1054.9	1056.1	1056.1	1054.6	1053.2	1051.8	1050.4	1050.6
172.5°	1057.8	1059.0	1060.2	1061.4	1062.7	1062.5	1061.1	1059.7	1058.3	1056.9	1057.1
175°	1064.9	1066.0	1067.3	1068.4	1069.7	1069.5	1068.2	1066.8	1065.3	1063.9	1064.3
177.5°	1068.1	1069.1	1070.1	1070.9	1071.9	1071.9	1070.9	1070.1	1069.1	1068.1	1068.4
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2013.7	2009.2	2005.5	1995.6	1990.7	1979.7	1978.1	1977.5	1963.4	1949.6	1945.8
5°	2082.8	2071.8	2055.5	2036.3	2016.5	1996.0	1982.4	1971.4	1944.0	1918.1	1903.1
7.5°	2152.5	2129.0	2100.7	2064.5	2034.3	2000.4	1975.2	1952.7	1913.9	1876.7	1851.6
10°	2204.4	2166.1	2128.5	2078.7	2039.7	2001.4	1966.0	1935.2	1891.4	1842.3	1807.4
12.5°	2236.7	2194.6	2142.8	2094.0	2043.5	1994.9	1947.3	1907.8	1856.5	1805.6	1764.2
15°	2280.3	2235.2	2172.3	2102.6	2037.6	1974.2	1919.5	1870.3	1803.3	1742.5	1691.9
17.5°	2316.0	2253.9	2186.4	2105.8	2030.6	1949.8	1879.5	1816.6	1742.0	1668.7	1609.1
20°	2327.4	2265.9	2188.0	2107.4	2018.6	1923.6	1847.7	1779.4	1699.4	1619.4	1551.1
22.5°	2320.3	2272.4	2185.9	2089.4	1998.3	1899.0	1813.3	1734.0	1645.3	1563.7	1484.4
25°	2272.1	2255.7	2173.6	2068.4	1964.5	1849.1	1750.0	1663.2	1562.1	1474.6	1388.5
27.5°	2159.5	2194.9	2144.1	2032.0	1916.6	1792.8	1681.4	1582.6	1477.7	1379.2	1293.4
30°	2051.4	2132.6	2110.8	2006.9	1877.8	1756.1	1631.1	1527.9	1415.9	1314.7	1230.0
32.5°	1903.2	2037.6	2058.9	1971.9	1838.4	1704.8	1573.7	1471.1	1354.1	1247.5	1164.9
35°	1667.3	1868.2	1960.4	1905.1	1771.2	1627.0	1491.7	1372.1	1254.5	1149.3	1067.4
37.5°	1385.9	1659.6	1813.3	1817.2	1694.3	1544.4	1397.0	1278.3	1158.0	1054.6	966.0
40°	1203.4	1499.9	1700.1	1744.5	1640.7	1478.7	1329.7	1208.8	1091.3	990.2	888.3
42.5°	1039.4	1334.8	1580.9	1658.1	1575.7	1414.8	1265.2	1138.8	1024.6	928.9	824.9
45°	840.5	1098.8	1370.0	1508.1	1462.3	1313.3	1155.5	1035.3	927.9	845.3	745.5
47.5°	709.0	891.1	1153.6	1340.2	1339.4	1203.5	1048.2	933.0	833.5	756.0	675.3
50°	634.1	792.6	1014.8	1226.5	1244.3	1130.2	982.6	868.5	775.6	694.3	629.4
52.5°	566.9	697.5	897.2	1100.3	1150.8	1052.0	908.8	803.4	713.3	638.5	582.9
55°	479.0	580.1	731.8	921.8	998.4	928.6	801.6	703.1	630.0	567.1	519.3
57.5°	405.2	481.1	602.8	755.7	844.9	801.0	696.2	616.3	553.7	496.8	459.1
60°	358.7	420.9	524.1	651.9	750.3	719.5	630.0	555.5	502.2	453.1	417.5
62.5°	315.0	368.5	456.9	560.6	650.8	638.1	565.0	502.5	455.8	411.0	380.8
65°	253.5	292.5	361.5	442.8	515.2	521.4	468.8	426.4	384.7	349.2	322.5
67.5°	201.9	227.3	275.9	344.4	398.7	418.0	385.9	353.6	320.5	293.0	269.9
70°	170.1	190.6	226.1	281.5	331.4	351.9	333.5	308.2	279.5	256.9	237.1
72.5°	137.9	157.8	184.0	224.7	267.4	289.6	283.2	265.0	241.7	223.0	204.3
75°	103.9	110.0	127.8	155.2	188.6	207.8	212.5	203.0	184.5	170.1	159.2
77.5°	76.8	80.5	89.0	103.3	125.2	142.2	149.3	148.1	135.5	127.1	116.8
80°	61.5	63.6	67.7	73.8	90.2	107.3	112.1	112.1	103.2	99.8	89.5
82.5°	46.7	48.2	50.7	54.1	61.8	76.7	82.0	83.1	77.5	72.9	64.9
85°	26.7	25.9	27.4	29.4	30.8	34.9	43.1	44.4	43.1	37.5	35.5
87.5°	13.8	13.6	12.7	11.4	11.5	11.5	13.8	16.1	14.4	13.2	12.6
90°	22.7	18.4	13.9	10.5	8.1	5.7	3.3	0.9	3.3	5.7	8.1
92.5°	26.7	25.6	24.5	23.2	21.4	19.6	17.8	16.1	17.8	19.6	21.4
95°	57.0	56.6	56.2	55.0	53.0	51.0	49.0	47.0	49.0	51.0	53.0
97.5°	95.7	94.9	94.2	92.8	91.1	89.3	87.6	85.8	87.6	89.3	91.1
100°	123.4	122.8	122.3	121.1	119.5	117.9	116.3	114.7	116.3	117.9	119.5
102.5°	152.8	151.9	151.2	150.2	148.9	147.6	146.3	145.1	146.3	147.6	148.9
105°	197.9	197.5	197.1	196.6	196.0	195.4	194.7	194.2	194.7	195.4	196.0
107.5°	247.6	247.6	247.6	247.2	246.3	245.4	244.6	243.7	244.6	245.4	246.3
110°	280.9	280.9	280.9	280.3	279.1	277.9	276.7	275.4	276.7	277.9	279.1





TEST NUMBER: P331854-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	315.1	315.3	315.5	315.0	313.8	312.5	311.4	310.1	311.4	312.5	313.8
115°	365.7	366.0	366.5	366.0	364.9	363.6	362.5	361.2	362.5	363.6	364.9
117.5°	416.6	417.8	418.8	418.7	417.1	415.4	413.8	412.2	413.8	415.4	417.1
120°	449.4	451.0	452.6	452.6	451.0	449.4	447.8	446.2	447.8	449.4	451.0
122.5°	483.1	484.2	485.4	484.9	483.0	481.1	479.2	477.2	479.2	481.1	483.0
125°	532.3	532.9	533.5	532.9	531.1	529.2	527.4	525.7	527.4	529.2	531.1
127.5°	581.3	582.0	582.7	581.9	579.7	577.4	575.1	572.8	575.1	577.4	579.7
130°	613.1	613.6	613.9	612.9	610.3	607.6	605.0	602.4	605.0	607.6	610.3
132.5°	645.4	645.3	645.2	644.2	642.0	639.9	637.8	635.6	637.8	639.9	642.0
135°	691.0	690.6	690.2	688.9	686.7	684.5	682.3	680.1	682.3	684.5	686.7
137.5°	736.3	735.8	735.3	734.1	732.3	730.5	728.7	726.8	728.7	730.5	732.3
140°	765.7	764.7	763.7	762.2	760.5	758.7	756.9	755.0	756.9	758.7	760.5
142.5°	793.8	793.1	792.5	791.2	789.3	787.6	785.8	784.0	785.8	787.6	789.3
145°	834.8	833.7	832.4	831.2	829.7	828.3	826.9	825.5	826.9	828.3	829.7
147.5°	872.1	871.3	870.5	869.2	867.5	865.9	864.2	862.6	864.2	865.9	867.5
150°	895.3	894.5	893.7	892.6	891.4	890.2	889.0	887.8	889.0	890.2	891.4
152.5°	918.0	917.1	916.1	915.1	913.8	912.7	911.4	910.3	911.4	912.7	913.8
155°	948.1	947.4	946.8	946.2	945.7	945.0	944.4	943.8	944.4	945.0	945.7
157.5°	975.3	974.9	974.6	974.1	973.7	973.3	972.9	972.5	972.9	973.3	973.7
160°	992.2	992.0	991.8	991.5	991.0	990.7	990.2	989.9	990.2	990.7	991.0
162.5°	1006.7	1006.5	1006.2	1006.1	1006.0	1005.9	1005.8	1005.8	1005.8	1005.9	1006.0
165°	1026.0	1026.0	1026.0	1026.1	1026.3	1026.5	1026.7	1026.9	1026.7	1026.5	1026.3
167.5°	1041.8	1041.9	1041.9	1042.2	1042.8	1043.4	1044.0	1044.6	1044.0	1043.4	1042.8
170°	1050.8	1051.0	1051.2	1051.6	1052.2	1052.8	1053.4	1054.0	1053.4	1052.8	1052.2
172.5°	1057.3	1057.5	1057.7	1058.1	1058.7	1059.3	1059.9	1060.5	1059.9	1059.3	1058.7
175°	1064.7	1065.1	1065.5	1066.0	1066.7	1067.3	1067.8	1068.4	1067.8	1067.3	1066.7
177.5°	1068.7	1069.1	1069.3	1069.8	1070.2	1070.8	1071.2	1071.7	1071.2	1070.8	1070.2
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



TEST NUMBER: P331854-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1938.8	1934.9	1927.8	1916.8	1910.3	1898.8	1891.1	1895.5	1896.7	1895.5	1894.4
5°	1886.7	1872.3	1852.5	1833.4	1815.6	1796.4	1785.6	1780.7	1771.2	1765.7	1763.0
7.5°	1823.6	1798.9	1770.9	1737.6	1709.2	1679.6	1664.5	1656.9	1637.4	1626.7	1617.4
10°	1776.6	1737.7	1709.7	1666.0	1639.3	1600.4	1573.7	1574.4	1547.7	1532.7	1521.8
12.5°	1724.7	1681.9	1635.3	1596.0	1559.0	1527.7	1495.5	1482.6	1454.3	1439.8	1410.2
15°	1638.6	1588.8	1539.5	1486.2	1448.7	1400.2	1353.7	1297.0	1251.2	1211.6	1200.6
17.5°	1544.6	1482.8	1433.5	1370.9	1306.5	1224.9	1171.1	1138.2	1110.5	1089.7	1074.1
20°	1480.1	1417.2	1364.6	1270.3	1183.5	1128.2	1088.5	1063.3	1034.6	1012.0	999.7
22.5°	1412.3	1346.7	1275.0	1169.7	1102.1	1057.7	1022.3	993.3	973.8	956.3	945.0
25°	1316.1	1244.3	1126.1	1053.6	999.0	952.5	927.9	910.2	889.7	865.8	854.9
27.5°	1214.4	1100.3	1015.4	961.5	909.4	879.1	857.0	830.5	812.2	801.4	790.1
30°	1138.4	1024.3	958.1	899.3	862.4	828.8	802.9	787.9	770.1	751.6	744.1
32.5°	1053.6	962.5	899.0	850.1	812.6	784.1	763.6	739.2	726.4	715.1	699.3
35°	948.4	879.4	821.4	781.8	746.2	723.0	699.0	684.7	661.5	651.9	645.8
37.5°	859.3	799.5	756.2	714.3	686.2	660.5	645.9	623.0	613.0	599.7	586.7
40°	809.0	750.3	708.6	674.4	643.0	623.8	605.4	587.0	571.9	565.8	550.1
42.5°	757.7	709.8	668.2	630.7	609.7	589.4	566.1	552.5	537.0	527.0	517.3
45°	686.7	644.4	608.9	578.1	554.8	533.7	518.6	496.1	487.2	467.4	459.2
47.5°	624.5	585.1	551.2	521.9	499.3	485.4	463.4	445.8	431.6	419.5	408.9
50°	580.1	547.3	514.5	488.6	468.1	448.3	425.7	416.8	394.9	388.8	382.6
52.5°	539.7	508.5	478.5	453.1	432.6	413.3	393.4	381.8	367.1	361.0	356.4
55°	483.1	453.1	424.4	401.8	381.3	361.5	349.2	334.8	328.0	323.2	317.7
57.5°	426.2	399.2	377.2	354.4	333.8	318.0	303.8	295.2	288.1	281.8	275.3
60°	390.2	364.2	344.4	323.2	302.0	289.0	278.1	267.9	259.7	250.1	247.4
62.5°	351.9	329.2	311.0	290.4	272.0	260.1	249.7	240.0	230.2	216.2	212.4
65°	299.3	281.5	262.4	245.3	228.9	217.3	202.2	191.4	187.3	185.8	185.2
67.5°	251.7	235.0	218.6	201.0	186.1	175.3	167.7	166.0	163.2	162.4	160.4
70°	220.1	204.3	187.9	171.5	157.2	155.2	152.4	149.6	146.2	144.9	143.5
72.5°	191.6	175.3	158.9	145.8	139.6	137.1	134.4	131.6	129.3	128.0	127.1
75°	147.0	131.9	120.9	116.2	112.7	110.7	106.6	104.5	103.2	101.1	100.4
77.5°	105.8	97.3	92.3	89.3	85.7	83.5	81.1	79.1	77.7	77.2	76.2
80°	80.6	76.5	73.1	69.0	67.7	64.9	64.2	62.2	62.9	60.8	60.8
82.5°	62.6	57.4	54.6	52.6	51.3	49.0	48.4	47.4	47.5	46.0	46.0
85°	32.1	30.8	29.4	28.0	28.0	25.9	26.7	25.9	25.9	24.6	23.9
87.5°	12.5	12.7	12.4	13.3	14.2	14.5	14.4	13.8	13.7	13.6	13.1
90°	10.5	13.9	18.4	22.7	27.2	31.6	31.2	30.8	30.4	30.0	29.9
92.5°	23.2	24.5	25.6	26.7	27.6	28.7	28.8	28.9	29.0	29.1	29.1
95°	55.0	56.2	56.6	57.0	57.4	57.8	57.8	57.8	57.8	57.8	57.6
97.5°	92.8	94.2	94.9	95.7	96.4	97.2	97.2	97.2	97.2	97.2	97.2
100°	121.1	122.3	122.8	123.4	124.0	124.7	124.7	124.7	124.7	124.7	124.6
102.5°	150.2	151.2	151.9	152.8	153.5	154.3	154.4	154.6	154.7	154.9	154.9
105°	196.6	197.1	197.5	197.9	198.3	198.7	199.1	199.5	199.9	200.3	200.5
107.5°	247.2	247.6	247.6	247.6	247.6	247.6	247.8	248.0	248.2	248.3	247.9
110°	280.3	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.6



TEST NUMBER: P331854-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	315.0	315.5	315.3	315.1	315.0	314.9	314.3	313.9	313.4	312.9	312.5
115°	366.0	366.5	366.0	365.7	365.2	364.9	364.7	364.4	364.3	364.1	363.6
117.5°	418.7	418.8	417.8	416.6	415.5	414.4	413.9	413.4	413.0	412.4	411.9
120°	452.6	452.6	451.0	449.4	447.8	446.2	446.2	446.2	446.2	446.2	445.9
122.5°	484.9	485.4	484.2	483.1	482.0	480.8	480.4	479.9	479.4	478.9	478.5
125°	532.9	533.5	532.9	532.3	531.6	531.1	530.5	529.9	529.2	528.7	528.2
127.5°	581.9	582.7	582.0	581.3	580.6	579.9	579.1	578.4	577.7	576.9	576.2
130°	612.9	613.9	613.6	613.1	612.8	612.3	612.0	611.5	611.2	610.7	610.1
132.5°	644.2	645.2	645.3	645.4	645.5	645.6	644.7	643.8	642.9	642.0	641.3
135°	688.9	690.2	690.6	691.0	691.4	691.8	691.6	691.4	691.3	691.0	690.6
137.5°	734.1	735.3	735.8	736.3	736.8	737.4	737.2	737.0	736.9	736.7	736.2
140°	762.2	763.7	764.7	765.7	766.7	767.7	767.7	767.7	767.7	767.7	767.3
142.5°	791.2	792.5	793.1	793.8	794.5	795.1	795.3	795.5	795.7	795.8	795.5
145°	831.2	832.4	833.7	834.8	836.1	837.2	837.4	837.7	837.9	838.0	837.8
147.5°	869.2	870.5	871.3	872.1	872.9	873.7	874.1	874.6	875.0	875.5	875.3
150°	892.6	893.7	894.5	895.3	896.1	896.9	897.4	898.0	898.7	899.3	899.3
152.5°	915.1	916.1	917.1	918.0	919.0	920.0	920.7	921.5	922.3	923.0	923.0
155°	946.2	946.8	947.4	948.1	948.6	949.2	950.2	951.3	952.3	953.2	953.4
157.5°	974.1	974.6	974.9	975.3	975.6	976.0	977.3	978.7	980.1	981.4	981.6
160°	991.5	991.8	992.0	992.2	992.4	992.6	993.8	995.0	996.2	997.4	997.6
162.5°	1006.1	1006.2	1006.5	1006.7	1006.8	1007.0	1008.4	1009.8	1011.1	1012.5	1012.7
165°	1026.1	1026.0	1026.0	1026.0	1026.0	1026.0	1027.4	1028.9	1030.2	1031.6	1031.8
167.5°	1042.2	1041.9	1041.9	1041.8	1041.8	1041.7	1043.1	1044.6	1046.0	1047.3	1047.5
170°	1051.6	1051.2	1051.0	1050.8	1050.6	1050.4	1051.8	1053.2	1054.6	1056.1	1056.1
172.5°	1058.1	1057.7	1057.5	1057.3	1057.1	1056.9	1058.3	1059.7	1061.1	1062.5	1062.7
175°	1066.0	1065.5	1065.1	1064.7	1064.3	1063.9	1065.3	1066.8	1068.2	1069.5	1069.7
177.5°	1069.8	1069.3	1069.1	1068.7	1068.4	1068.1	1069.1	1070.1	1070.9	1071.9	1071.9
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1888.5	1889.5	1887.9	1889.0	1887.9	1889.5	1888.5	1894.4	1895.5	1896.7	1895.5
5°	1759.5	1751.3	1750.0	1747.9	1750.0	1751.3	1759.5	1763.0	1765.7	1771.2	1780.7
7.5°	1605.7	1604.5	1601.1	1596.3	1601.1	1604.5	1605.7	1617.4	1626.7	1637.4	1656.9
10°	1506.7	1503.3	1502.6	1497.8	1502.6	1503.3	1506.7	1521.8	1532.7	1547.7	1574.4
12.5°	1390.8	1368.9	1366.5	1354.6	1366.5	1368.9	1390.8	1410.2	1439.8	1454.3	1482.6
15°	1184.2	1180.1	1166.4	1157.5	1166.4	1180.1	1184.2	1200.6	1211.6	1251.2	1297.0
17.5°	1066.1	1052.8	1048.5	1046.6	1048.5	1052.8	1066.1	1074.1	1089.7	1110.5	1138.2
20°	990.2	977.9	975.8	974.5	975.8	977.9	990.2	999.7	1012.0	1034.6	1063.3
22.5°	937.6	924.8	919.4	915.3	919.4	924.8	937.6	945.0	956.3	973.8	993.3
25°	848.0	843.2	840.5	839.1	840.5	843.2	848.0	854.9	865.8	889.7	910.2
27.5°	777.9	767.4	765.4	761.8	765.4	767.4	777.9	790.1	801.4	812.2	830.5
30°	738.0	734.6	729.8	725.7	729.8	734.6	738.0	744.1	751.6	770.1	787.9
32.5°	691.0	688.1	683.9	682.0	683.9	688.1	691.0	699.3	715.1	726.4	739.2
35°	638.9	629.4	625.3	619.1	625.3	629.4	638.9	645.8	651.9	661.5	684.7
37.5°	583.8	578.8	573.0	575.1	573.0	578.8	583.8	586.7	599.7	613.0	623.0
40°	541.2	537.8	536.5	535.7	536.5	537.8	541.2	550.1	565.8	571.9	587.0
42.5°	507.3	497.8	494.3	494.2	494.3	497.8	507.3	517.3	527.0	537.0	552.5
45°	455.8	446.9	440.8	441.4	440.8	446.9	455.8	459.2	467.4	487.2	496.1
47.5°	403.1	402.8	399.0	400.1	399.0	402.8	403.1	408.9	419.5	431.6	445.8
50°	377.9	373.8	371.0	371.8	371.0	373.8	377.9	382.6	388.8	394.9	416.8
52.5°	353.8	350.3	348.1	351.0	348.1	350.3	353.8	356.4	361.0	367.1	381.8
55°	314.3	310.2	309.5	308.9	309.5	310.2	314.3	317.7	323.2	328.0	334.8
57.5°	270.2	267.4	263.3	261.5	263.3	267.4	270.2	275.3	281.8	288.1	295.2
60°	238.4	233.0	226.1	225.5	226.1	233.0	238.4	247.4	250.1	259.7	267.9
62.5°	209.5	208.4	207.1	206.9	207.1	208.4	209.5	212.4	216.2	230.2	240.0
65°	183.8	183.2	183.8	184.5	183.8	183.2	183.8	185.2	185.8	187.3	191.4
67.5°	160.2	158.9	157.7	158.3	157.7	158.9	160.2	160.4	162.4	163.2	166.0
70°	142.1	141.4	140.8	140.8	140.8	141.4	142.1	143.5	144.9	146.2	149.6
72.5°	124.7	124.5	123.9	123.2	123.9	124.5	124.7	127.1	128.0	129.3	131.6
75°	99.8	98.4	98.4	98.4	98.4	98.4	99.8	100.4	101.1	103.2	104.5
77.5°	76.0	75.3	74.6	74.1	74.6	75.3	76.0	76.2	77.2	77.7	79.1
80°	60.1	59.5	58.8	58.8	58.8	59.5	60.1	60.8	60.8	62.9	62.2
82.5°	45.9	45.2	45.1	44.6	45.1	45.2	45.9	46.0	46.0	47.5	47.4
85°	24.6	25.3	24.6	25.9	24.6	25.3	24.6	23.9	24.6	25.9	25.9
87.5°	13.1	12.7	13.2	12.7	13.2	12.7	13.1	13.1	13.6	13.7	13.8
90°	30.1	30.3	30.5	30.7	30.5	30.3	30.1	29.9	30.0	30.4	30.8
92.5°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.1	29.1	29.0	28.9
95°	57.2	56.8	56.4	56.0	56.4	56.8	57.2	57.6	57.8	57.8	57.8
97.5°	97.1	97.1	97.0	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2
100°	124.3	124.1	123.9	123.8	123.9	124.1	124.3	124.6	124.7	124.7	124.7
102.5°	154.7	154.4	154.3	154.1	154.3	154.4	154.7	154.9	154.9	154.7	154.6
105°	200.5	200.5	200.5	200.5	200.5	200.5	200.5	200.5	200.3	199.9	199.5
107.5°	247.0	246.0	245.1	244.2	245.1	246.0	247.0	247.9	248.3	248.2	248.0
110°	280.0	279.4	278.7	278.2	278.7	279.4	280.0	280.6	280.9	280.9	280.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	312.0	311.6	311.1	310.7	311.1	311.6	312.0	312.5	312.9	313.4	313.9
115°	363.1	362.5	361.9	361.2	361.9	362.5	363.1	363.6	364.1	364.3	364.4
117.5°	411.3	410.7	410.1	409.5	410.1	410.7	411.3	411.9	412.4	413.0	413.4
120°	445.2	444.7	444.1	443.4	444.1	444.7	445.2	445.9	446.2	446.2	446.2
122.5°	478.0	477.6	477.2	476.7	477.2	477.6	478.0	478.5	478.9	479.4	479.9
125°	528.1	527.9	527.6	527.4	527.6	527.9	528.1	528.2	528.7	529.2	529.9
127.5°	575.6	575.0	574.4	573.7	574.4	575.0	575.6	576.2	576.9	577.7	578.4
130°	609.3	608.5	607.7	606.9	607.7	608.5	609.3	610.1	610.7	611.2	611.5
132.5°	640.7	640.0	639.4	638.7	639.4	640.0	640.7	641.3	642.0	642.9	643.8
135°	690.0	689.4	688.8	688.2	688.8	689.4	690.0	690.6	691.0	691.3	691.4
137.5°	735.4	734.6	733.8	733.0	733.8	734.6	735.4	736.2	736.7	736.9	737.0
140°	766.5	765.7	764.9	764.1	764.9	765.7	766.5	767.3	767.7	767.7	767.7
142.5°	794.7	793.9	793.1	792.3	793.1	793.9	794.7	795.5	795.8	795.7	795.5
145°	837.0	836.2	835.4	834.6	835.4	836.2	837.0	837.8	838.0	837.9	837.7
147.5°	874.6	873.8	873.1	872.3	873.1	873.8	874.6	875.3	875.5	875.0	874.6
150°	898.7	898.0	897.4	896.9	897.4	898.0	898.7	899.3	899.3	898.7	898.0
152.5°	922.3	921.5	920.7	920.0	920.7	921.5	922.3	923.0	923.0	922.3	921.5
155°	952.9	952.3	951.6	951.0	951.6	952.3	952.9	953.4	953.2	952.3	951.3
157.5°	980.7	979.7	978.7	977.8	978.7	979.7	980.7	981.6	981.4	980.1	978.7
160°	996.8	996.0	995.2	994.4	995.2	996.0	996.8	997.6	997.4	996.2	995.0
162.5°	1011.7	1010.8	1009.8	1008.9	1009.8	1010.8	1011.7	1012.7	1012.5	1011.1	1009.8
165°	1030.8	1029.8	1028.9	1027.8	1028.9	1029.8	1030.8	1031.8	1031.6	1030.2	1028.9
167.5°	1046.5	1045.4	1044.4	1043.4	1044.4	1045.4	1046.5	1047.5	1047.3	1046.0	1044.6
170°	1054.9	1053.7	1052.5	1051.3	1052.5	1053.7	1054.9	1056.1	1056.1	1054.6	1053.2
172.5°	1061.4	1060.2	1059.0	1057.8	1059.0	1060.2	1061.4	1062.7	1062.5	1061.1	1059.7
175°	1068.4	1067.3	1066.0	1064.9	1066.0	1067.3	1068.4	1069.7	1069.5	1068.2	1066.8
177.5°	1070.9	1070.1	1069.1	1068.1	1069.1	1070.1	1070.9	1071.9	1071.9	1070.9	1070.1
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1891.1	1898.8	1910.3	1916.8	1927.8	1934.9	1938.8	1945.8	1949.6	1963.4	1977.5
5°	1785.6	1796.4	1815.6	1833.4	1852.5	1872.3	1886.7	1903.1	1918.1	1944.0	1971.4
7.5°	1664.5	1679.6	1709.2	1737.6	1770.9	1798.9	1823.6	1851.6	1876.7	1913.9	1952.7
10°	1573.7	1600.4	1639.3	1666.0	1709.7	1737.7	1776.6	1807.4	1842.3	1891.4	1935.2
12.5°	1495.5	1527.7	1559.0	1596.0	1635.3	1681.9	1724.7	1764.2	1805.6	1856.5	1907.8
15°	1353.7	1400.2	1448.7	1486.2	1539.5	1588.8	1638.6	1691.9	1742.5	1803.3	1870.3
17.5°	1171.1	1224.9	1306.5	1370.9	1433.5	1482.8	1544.6	1609.1	1668.7	1742.0	1816.6
20°	1088.5	1128.2	1183.5	1270.3	1364.6	1417.2	1480.1	1551.1	1619.4	1699.4	1779.4
22.5°	1022.3	1057.7	1102.1	1169.7	1275.0	1346.7	1412.3	1484.4	1563.7	1645.3	1734.0
25°	927.9	952.5	999.0	1053.6	1126.1	1244.3	1316.1	1388.5	1474.6	1562.1	1663.2
27.5°	857.0	879.1	909.4	961.5	1015.4	1100.3	1214.4	1293.4	1379.2	1477.7	1582.6
30°	802.9	828.8	862.4	899.3	958.1	1024.3	1138.4	1230.0	1314.7	1415.9	1527.9
32.5°	763.6	784.1	812.6	850.1	899.0	962.5	1053.6	1164.9	1247.5	1354.1	1471.1
35°	699.0	723.0	746.2	781.8	821.4	879.4	948.4	1067.4	1149.3	1254.5	1372.1
37.5°	645.9	660.5	686.2	714.3	756.2	799.5	859.3	966.0	1054.6	1158.0	1278.3
40°	605.4	623.8	643.0	674.4	708.6	750.3	809.0	888.3	990.2	1091.3	1208.8
42.5°	566.1	589.4	609.7	630.7	668.2	709.8	757.7	824.9	928.9	1024.6	1138.8
45°	518.6	533.7	554.8	578.1	608.9	644.4	686.7	745.5	845.3	927.9	1035.3
47.5°	463.4	485.4	499.3	521.9	551.2	585.1	624.5	675.3	756.0	833.5	933.0
50°	425.7	448.3	468.1	488.6	514.5	547.3	580.1	629.4	694.3	775.6	868.5
52.5°	393.4	413.3	432.6	453.1	478.5	508.5	539.7	582.9	638.5	713.3	803.4
55°	349.2	361.5	381.3	401.8	424.4	453.1	483.1	519.3	567.1	630.0	703.1
57.5°	303.8	318.0	333.8	354.4	377.2	399.2	426.2	459.1	496.8	553.7	616.3
60°	278.1	289.0	302.0	323.2	344.4	364.2	390.2	417.5	453.1	502.2	555.5
62.5°	249.7	260.1	272.0	290.4	311.0	329.2	351.9	380.8	411.0	455.8	502.5
65°	202.2	217.3	228.9	245.3	262.4	281.5	299.3	322.5	349.2	384.7	426.4
67.5°	167.7	175.3	186.1	201.0	218.6	235.0	251.7	269.9	293.0	320.5	353.6
70°	152.4	155.2	157.2	171.5	187.9	204.3	220.1	237.1	256.9	279.5	308.2
72.5°	134.4	137.1	139.6	145.8	158.9	175.3	191.6	204.3	223.0	241.7	265.0
75°	106.6	110.7	112.7	116.2	120.9	131.9	147.0	159.2	170.1	184.5	203.0
77.5°	81.1	83.5	85.7	89.3	92.3	97.3	105.8	116.8	127.1	135.5	148.1
80°	64.2	64.9	67.7	69.0	73.1	76.5	80.6	89.5	99.8	103.2	112.1
82.5°	48.4	49.0	51.3	52.6	54.6	57.4	62.6	64.9	72.9	77.5	83.1
85°	26.7	25.9	28.0	28.0	29.4	30.8	32.1	35.5	37.5	43.1	44.4
87.5°	14.4	14.5	14.2	13.3	12.4	12.7	12.5	12.6	13.2	14.4	16.1
90°	31.2	31.6	27.2	22.7	18.4	13.9	10.5	8.1	5.7	3.3	0.9
92.5°	28.8	28.7	27.6	26.7	25.6	24.5	23.2	21.4	19.6	17.8	16.1
95°	57.8	57.8	57.4	57.0	56.6	56.2	55.0	53.0	51.0	49.0	47.0
97.5°	97.2	97.2	96.4	95.7	94.9	94.2	92.8	91.1	89.3	87.6	85.8
100°	124.7	124.7	124.0	123.4	122.8	122.3	121.1	119.5	117.9	116.3	114.7
102.5°	154.4	154.3	153.5	152.8	151.9	151.2	150.2	148.9	147.6	146.3	145.1
105°	199.1	198.7	198.3	197.9	197.5	197.1	196.6	196.0	195.4	194.7	194.2
107.5°	247.8	247.6	247.6	247.6	247.6	247.6	247.2	246.3	245.4	244.6	243.7
110°	280.9	280.9	280.9	280.9	280.9	280.9	280.3	279.1	277.9	276.7	275.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	314.3	314.9	315.0	315.1	315.3	315.5	315.0	313.8	312.5	311.4	310.1
115°	364.7	364.9	365.2	365.7	366.0	366.5	366.0	364.9	363.6	362.5	361.2
117.5°	413.9	414.4	415.5	416.6	417.8	418.8	418.7	417.1	415.4	413.8	412.2
120°	446.2	446.2	447.8	449.4	451.0	452.6	452.6	451.0	449.4	447.8	446.2
122.5°	480.4	480.8	482.0	483.1	484.2	485.4	484.9	483.0	481.1	479.2	477.2
125°	530.5	531.1	531.6	532.3	532.9	533.5	532.9	531.1	529.2	527.4	525.7
127.5°	579.1	579.9	580.6	581.3	582.0	582.7	581.9	579.7	577.4	575.1	572.8
130°	612.0	612.3	612.8	613.1	613.6	613.9	612.9	610.3	607.6	605.0	602.4
132.5°	644.7	645.6	645.5	645.4	645.3	645.2	644.2	642.0	639.9	637.8	635.6
135°	691.6	691.8	691.4	691.0	690.6	690.2	688.9	686.7	684.5	682.3	680.1
137.5°	737.2	737.4	736.8	736.3	735.8	735.3	734.1	732.3	730.5	728.7	726.8
140°	767.7	767.7	766.7	765.7	764.7	763.7	762.2	760.5	758.7	756.9	755.0
142.5°	795.3	795.1	794.5	793.8	793.1	792.5	791.2	789.3	787.6	785.8	784.0
145°	837.4	837.2	836.1	834.8	833.7	832.4	831.2	829.7	828.3	826.9	825.5
147.5°	874.1	873.7	872.9	872.1	871.3	870.5	869.2	867.5	865.9	864.2	862.6
150°	897.4	896.9	896.1	895.3	894.5	893.7	892.6	891.4	890.2	889.0	887.8
152.5°	920.7	920.0	919.0	918.0	917.1	916.1	915.1	913.8	912.7	911.4	910.3
155°	950.2	949.2	948.6	948.1	947.4	946.8	946.2	945.7	945.0	944.4	943.8
157.5°	977.3	976.0	975.6	975.3	974.9	974.6	974.1	973.7	973.3	972.9	972.5
160°	993.8	992.6	992.4	992.2	992.0	991.8	991.5	991.0	990.7	990.2	989.9
162.5°	1008.4	1007.0	1006.8	1006.7	1006.5	1006.2	1006.1	1006.0	1005.9	1005.8	1005.8
165°	1027.4	1026.0	1026.0	1026.0	1026.0	1026.0	1026.1	1026.3	1026.5	1026.7	1026.9
167.5°	1043.1	1041.7	1041.8	1041.8	1041.9	1041.9	1042.2	1042.8	1043.4	1044.0	1044.6
170°	1051.8	1050.4	1050.6	1050.8	1051.0	1051.2	1051.6	1052.2	1052.8	1053.4	1054.0
172.5°	1058.3	1056.9	1057.1	1057.3	1057.5	1057.7	1058.1	1058.7	1059.3	1059.9	1060.5
175°	1065.3	1063.9	1064.3	1064.7	1065.1	1065.5	1066.0	1066.7	1067.3	1067.8	1068.4
177.5°	1069.1	1068.1	1068.4	1068.7	1069.1	1069.3	1069.8	1070.2	1070.8	1071.2	1071.7
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1978.1	1979.7	1990.7	1995.6	2005.5	2009.2	2013.7	2012.5	2012.5	2014.7	2030.0
5°	1982.4	1996.0	2016.5	2036.3	2055.5	2071.8	2082.8	2093.7	2097.8	2117.6	2135.4
7.5°	1975.2	2000.4	2034.3	2064.5	2100.7	2129.0	2152.5	2173.6	2188.2	2217.0	2246.5
10°	1966.0	2001.4	2039.7	2078.7	2128.5	2166.1	2204.4	2233.8	2243.4	2286.4	2311.0
12.5°	1947.3	1994.9	2043.5	2094.0	2142.8	2194.6	2236.7	2266.0	2299.6	2338.3	2383.7
15°	1919.5	1974.2	2037.6	2102.6	2172.3	2235.2	2280.3	2331.5	2368.4	2410.7	2450.4
17.5°	1879.5	1949.8	2030.6	2105.8	2186.4	2253.9	2316.0	2365.1	2391.1	2415.3	2421.2
20°	1847.7	1923.6	2018.6	2107.4	2188.0	2265.9	2327.4	2368.4	2375.3	2375.9	2339.7
22.5°	1813.3	1899.0	1998.3	2089.4	2185.9	2272.4	2320.3	2337.8	2310.7	2264.4	2194.3
25°	1750.0	1849.1	1964.5	2068.4	2173.6	2255.7	2272.1	2241.3	2146.3	2046.6	1920.1
27.5°	1681.4	1792.8	1916.6	2032.0	2144.1	2194.9	2159.5	2048.7	1877.7	1728.9	1548.7
30°	1631.1	1756.1	1877.8	2006.9	2110.8	2132.6	2051.4	1888.0	1688.5	1464.4	1284.7
32.5°	1573.7	1704.8	1838.4	1971.9	2058.9	2037.6	1903.2	1702.2	1468.2	1247.9	1078.0
35°	1491.7	1627.0	1771.2	1905.1	1960.4	1868.2	1667.3	1405.6	1166.4	960.7	843.9
37.5°	1397.0	1544.4	1694.3	1817.2	1813.3	1659.6	1385.9	1115.7	914.7	793.1	709.8
40°	1329.7	1478.7	1640.7	1744.5	1700.1	1499.9	1203.4	948.4	801.6	704.5	643.7
42.5°	1265.2	1414.8	1575.7	1658.1	1580.9	1334.8	1039.4	839.6	718.5	642.7	593.4
45°	1155.5	1313.3	1462.3	1508.1	1370.0	1098.8	840.5	695.6	615.0	558.9	524.8
47.5°	1048.2	1203.5	1339.4	1340.2	1153.6	891.1	709.0	602.0	533.2	489.8	464.9
50°	982.6	1130.2	1244.3	1226.5	1014.8	792.6	634.1	541.9	484.5	451.0	425.0
52.5°	908.8	1052.0	1150.8	1100.3	897.2	697.5	566.9	489.4	441.8	412.7	389.5
55°	801.6	928.6	998.4	921.8	731.8	580.1	479.0	418.2	382.6	358.0	338.2
57.5°	696.2	801.0	844.9	755.7	602.8	481.1	405.2	359.5	324.3	306.7	296.4
60°	630.0	719.5	750.3	651.9	524.1	420.9	358.7	316.4	290.4	278.8	268.6
62.5°	565.0	638.1	650.8	560.6	456.9	368.5	315.0	279.2	262.0	250.9	241.2
65°	468.8	521.4	515.2	442.8	361.5	292.5	253.5	231.7	218.6	203.0	185.8
67.5°	385.9	418.0	398.7	344.4	275.9	227.3	201.9	185.3	169.2	154.3	150.3
70°	333.5	351.9	331.4	281.5	226.1	190.6	170.1	150.3	140.8	137.3	131.2
72.5°	283.2	289.6	267.4	224.7	184.0	157.8	137.9	126.8	121.6	118.8	114.8
75°	212.5	207.8	188.6	155.2	127.8	110.0	103.9	99.8	96.3	93.6	91.6
77.5°	149.3	142.2	125.2	103.3	89.0	80.5	76.8	74.6	72.9	71.6	69.6
80°	112.1	107.3	90.2	73.8	67.7	63.6	61.5	58.8	58.8	57.4	55.4
82.5°	82.0	76.7	61.8	54.1	50.7	48.2	46.7	45.1	44.6	44.9	43.3
85°	43.1	34.9	30.8	29.4	27.4	25.9	26.7	25.3	25.3	25.3	24.6
87.5°	13.8	11.5	11.5	11.4	12.7	13.6	13.8	14.7	16.1	15.5	16.0
90°	3.3	5.7	8.1	10.5	13.9	18.4	22.7	27.2	31.6	31.2	30.8
92.5°	17.8	19.6	21.4	23.2	24.5	25.6	26.7	27.6	28.7	28.8	28.9
95°	49.0	51.0	53.0	55.0	56.2	56.6	57.0	57.4	57.8	57.8	57.8
97.5°	87.6	89.3	91.1	92.8	94.2	94.9	95.7	96.4	97.2	97.2	97.2
100°	116.3	117.9	119.5	121.1	122.3	122.8	123.4	124.0	124.7	124.7	124.7
102.5°	146.3	147.6	148.9	150.2	151.2	151.9	152.8	153.5	154.3	154.4	154.6
105°	194.7	195.4	196.0	196.6	197.1	197.5	197.9	198.3	198.7	199.1	199.5
107.5°	244.6	245.4	246.3	247.2	247.6	247.6	247.6	247.6	247.6	247.8	248.0
110°	276.7	277.9	279.1	280.3	280.9	280.9	280.9	280.9	280.9	280.9	280.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	311.4	312.5	313.8	315.0	315.5	315.3	315.1	315.0	314.9	314.3	313.9
115°	362.5	363.6	364.9	366.0	366.5	366.0	365.7	365.2	364.9	364.7	364.4
117.5°	413.8	415.4	417.1	418.7	418.8	417.8	416.6	415.5	414.4	413.9	413.4
120°	447.8	449.4	451.0	452.6	452.6	451.0	449.4	447.8	446.2	446.2	446.2
122.5°	479.2	481.1	483.0	484.9	485.4	484.2	483.1	482.0	480.8	480.4	479.9
125°	527.4	529.2	531.1	532.9	533.5	532.9	532.3	531.6	531.1	530.5	529.9
127.5°	575.1	577.4	579.7	581.9	582.7	582.0	581.3	580.6	579.9	579.1	578.4
130°	605.0	607.6	610.3	612.9	613.9	613.6	613.1	612.8	612.3	612.0	611.5
132.5°	637.8	639.9	642.0	644.2	645.2	645.3	645.4	645.5	645.6	644.7	643.8
135°	682.3	684.5	686.7	688.9	690.2	690.6	691.0	691.4	691.8	691.6	691.4
137.5°	728.7	730.5	732.3	734.1	735.3	735.8	736.3	736.8	737.4	737.2	737.0
140°	756.9	758.7	760.5	762.2	763.7	764.7	765.7	766.7	767.7	767.7	767.7
142.5°	785.8	787.6	789.3	791.2	792.5	793.1	793.8	794.5	795.1	795.3	795.5
145°	826.9	828.3	829.7	831.2	832.4	833.7	834.8	836.1	837.2	837.4	837.7
147.5°	864.2	865.9	867.5	869.2	870.5	871.3	872.1	872.9	873.7	874.1	874.6
150°	889.0	890.2	891.4	892.6	893.7	894.5	895.3	896.1	896.9	897.4	898.0
152.5°	911.4	912.7	913.8	915.1	916.1	917.1	918.0	919.0	920.0	920.7	921.5
155°	944.4	945.0	945.7	946.2	946.8	947.4	948.1	948.6	949.2	950.2	951.3
157.5°	972.9	973.3	973.7	974.1	974.6	974.9	975.3	975.6	976.0	977.3	978.7
160°	990.2	990.7	991.0	991.5	991.8	992.0	992.2	992.4	992.6	993.8	995.0
162.5°	1005.8	1005.9	1006.0	1006.1	1006.2	1006.5	1006.7	1006.8	1007.0	1008.4	1009.8
165°	1026.7	1026.5	1026.3	1026.1	1026.0	1026.0	1026.0	1026.0	1026.0	1027.4	1028.9
167.5°	1044.0	1043.4	1042.8	1042.2	1041.9	1041.9	1041.8	1041.8	1041.7	1043.1	1044.6
170°	1053.4	1052.8	1052.2	1051.6	1051.2	1051.0	1050.8	1050.6	1050.4	1051.8	1053.2
172.5°	1059.9	1059.3	1058.7	1058.1	1057.7	1057.5	1057.3	1057.1	1056.9	1058.3	1059.7
175°	1067.8	1067.3	1066.7	1066.0	1065.5	1065.1	1064.7	1064.3	1063.9	1065.3	1066.8
177.5°	1071.2	1070.8	1070.2	1069.8	1069.3	1069.1	1068.7	1068.4	1068.1	1069.1	1070.1
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2035.5	2042.6	2045.9	2045.9	2049.7	2048.1	2046.4
5°	2152.5	2165.4	2168.2	2180.5	2189.3	2186.7	2188.0
7.5°	2268.8	2289.6	2310.3	2319.8	2321.2	2326.7	2328.8
10°	2340.4	2357.5	2389.6	2384.8	2408.7	2422.4	2399.9
12.5°	2409.2	2432.3	2454.6	2460.8	2474.3	2478.7	2469.8
15°	2471.6	2483.9	2485.3	2481.8	2485.9	2482.5	2469.5
17.5°	2413.3	2393.4	2353.0	2333.8	2318.6	2296.2	2287.2
20°	2317.1	2258.3	2190.0	2162.8	2130.6	2067.7	2082.8
22.5°	2109.4	2042.5	1974.2	1894.4	1856.2	1796.6	1793.1
25°	1786.2	1670.7	1543.6	1454.8	1402.8	1343.5	1317.4
27.5°	1388.8	1243.4	1139.2	1086.5	1038.5	991.4	989.4
30°	1127.5	1018.2	937.5	892.4	863.0	843.2	847.3
32.5°	950.4	875.5	821.1	783.6	761.9	747.0	746.7
35°	776.9	725.7	690.8	675.1	659.4	648.5	649.2
37.5°	664.9	634.1	614.7	597.4	587.5	582.2	579.2
40°	607.4	582.2	567.1	556.9	548.7	541.2	539.8
42.5°	562.1	541.2	526.2	518.1	510.4	505.2	503.7
45°	498.8	481.7	468.1	459.2	455.8	451.0	451.0
47.5°	443.7	427.0	416.3	410.7	404.8	401.6	401.5
50°	406.6	393.6	384.1	380.6	375.9	373.8	373.1
52.5°	373.3	363.6	356.7	354.4	352.3	349.7	350.2
55°	328.0	322.5	319.8	317.7	314.3	310.2	313.0
57.5°	289.9	285.3	277.9	271.4	268.3	265.4	266.5
60°	263.1	253.5	244.0	236.4	234.3	228.2	228.2
62.5°	229.2	215.8	204.0	199.8	197.8	194.9	194.3
65°	176.3	170.9	168.1	165.3	164.0	164.0	162.6
67.5°	146.1	143.9	140.9	140.2	138.8	138.5	138.0
70°	129.1	126.4	125.0	124.4	123.0	123.7	121.6
72.5°	112.7	110.6	110.3	108.5	107.7	107.8	106.3
75°	88.8	88.8	88.2	87.5	86.1	85.4	86.1
77.5°	68.3	68.5	67.2	67.1	67.0	67.1	66.4
80°	54.7	55.4	54.7	53.9	53.3	53.9	53.3
82.5°	43.2	42.3	42.1	42.0	41.8	41.4	41.3
85°	24.6	25.3	24.6	23.9	23.9	23.9	24.6
87.5°	15.3	15.3	15.2	15.3	15.3	15.4	14.9
90°	30.4	30.0	29.9	30.1	30.3	30.5	30.7
92.5°	29.0	29.1	29.1	29.2	29.2	29.2	29.2
95°	57.8	57.8	57.6	57.2	56.8	56.4	56.0
97.5°	97.2	97.2	97.2	97.1	97.1	97.0	97.0
100°	124.7	124.7	124.6	124.3	124.1	123.9	123.8
102.5°	154.7	154.9	154.9	154.7	154.4	154.3	154.1
105°	199.9	200.3	200.5	200.5	200.5	200.5	200.5
107.5°	248.2	248.3	247.9	247.0	246.0	245.1	244.2
110°	280.9	280.9	280.6	280.0	279.4	278.7	278.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	313.4	312.9	312.5	312.0	311.6	311.1	310.7
115°	364.3	364.1	363.6	363.1	362.5	361.9	361.2
117.5°	413.0	412.4	411.9	411.3	410.7	410.1	409.5
120°	446.2	446.2	445.9	445.2	444.7	444.1	443.4
122.5°	479.4	478.9	478.5	478.0	477.6	477.2	476.7
125°	529.2	528.7	528.2	528.1	527.9	527.6	527.4
127.5°	577.7	576.9	576.2	575.6	575.0	574.4	573.7
130°	611.2	610.7	610.1	609.3	608.5	607.7	606.9
132.5°	642.9	642.0	641.3	640.7	640.0	639.4	638.7
135°	691.3	691.0	690.6	690.0	689.4	688.8	688.2
137.5°	736.9	736.7	736.2	735.4	734.6	733.8	733.0
140°	767.7	767.7	767.3	766.5	765.7	764.9	764.1
142.5°	795.7	795.8	795.5	794.7	793.9	793.1	792.3
145°	837.9	838.0	837.8	837.0	836.2	835.4	834.6
147.5°	875.0	875.5	875.3	874.6	873.8	873.1	872.3
150°	898.7	899.3	899.3	898.7	898.0	897.4	896.9
152.5°	922.3	923.0	923.0	922.3	921.5	920.7	920.0
155°	952.3	953.2	953.4	952.9	952.3	951.6	951.0
157.5°	980.1	981.4	981.6	980.7	979.7	978.7	977.8
160°	996.2	997.4	997.6	996.8	996.0	995.2	994.4
162.5°	1011.1	1012.5	1012.7	1011.7	1010.8	1009.8	1008.9
165°	1030.2	1031.6	1031.8	1030.8	1029.8	1028.9	1027.8
167.5°	1046.0	1047.3	1047.5	1046.5	1045.4	1044.4	1043.4
170°	1054.6	1056.1	1056.1	1054.9	1053.7	1052.5	1051.3
172.5°	1061.1	1062.5	1062.7	1061.4	1060.2	1059.0	1057.8
175°	1068.2	1069.5	1069.7	1068.4	1067.3	1066.0	1064.9
177.5°	1070.9	1071.9	1071.9	1070.9	1070.1	1069.1	1068.1
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2

(END OF REPORT)