

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: P332848-940

Luminaire Tested: **S124DIW-S1195D1050U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332848-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S1195D1050U940-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1195 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7985.9 lumens  
Efficiency: N/A  
Efficacy: 118.5 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

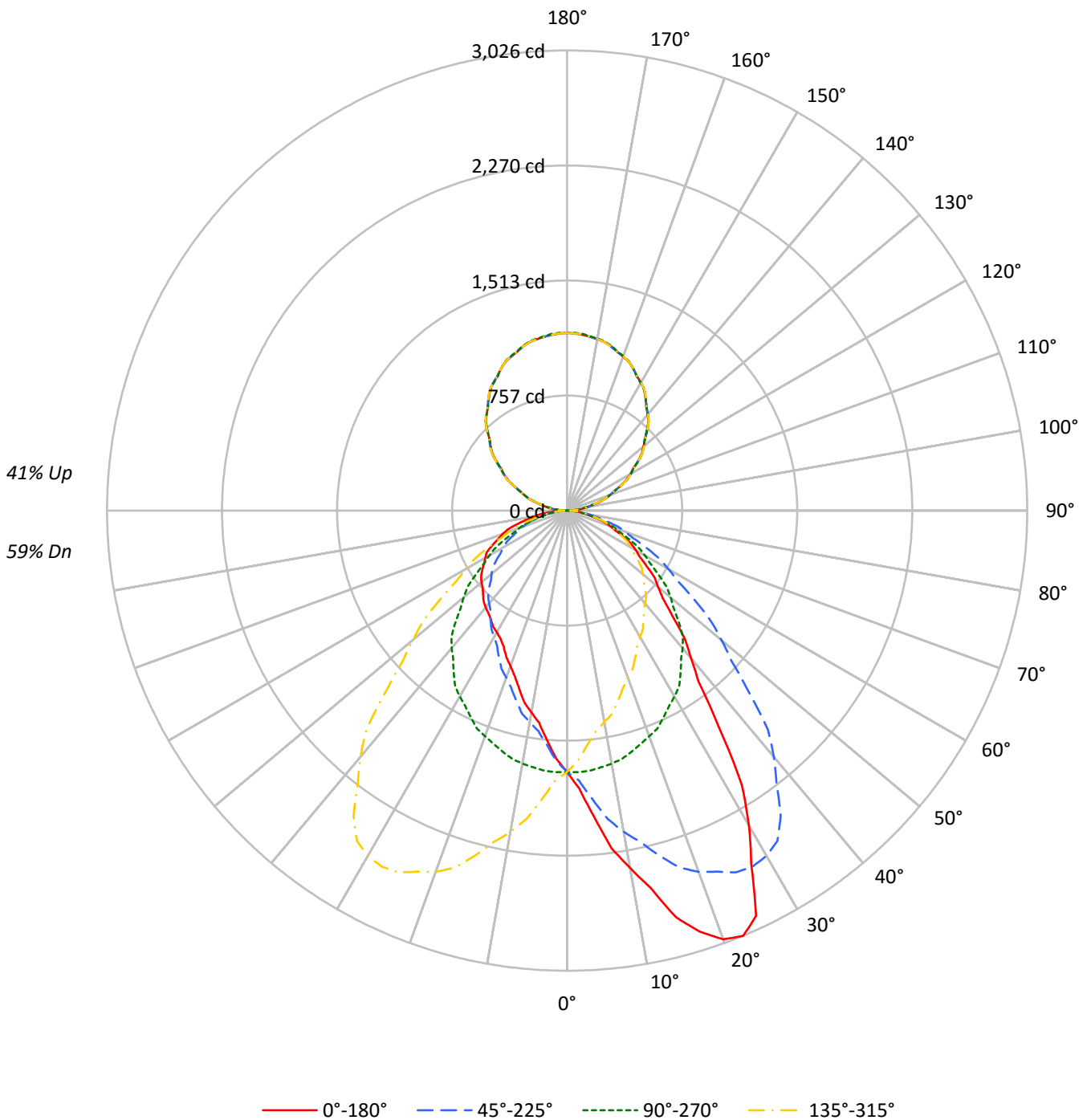
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59								
1	100	96	92	89	93	90	86	83	78	76	73	67	66	64	58	56	55	51								
2	91	84	78	73	85	79	73	69	69	65	61	60	57	54	51	49	47	43								
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	45	43	40	37								
4	77	66	58	52	71	62	55	49	54	49	44	47	43	40	41	38	35	32								
5	70	59	51	45	66	55	48	43	49	43	38	43	38	34	37	33	31	28								
6	65	53	45	39	61	50	43	37	44	38	34	39	34	30	34	30	27	24								
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22								
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	19								
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	22	20	18								
10	49	37	29	25	46	35	28	24	31	25	22	28	23	20	24	21	18	16								

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

	0°	90°	180°	270°
0°	13875	13875	13875	13875
5°	16339	13910	12277	13910
10°	19563	13849	11053	13849
15°	23147	13709	10151	13709
20°	25775	13566	9346	13566
25°	26191	13356	8790	13356
30°	22287	13154	8614	13154
35°	17134	12827	8615	12827
40°	13355	12440	8778	12440
45°	11136	11860	8926	11860
50°	9800	11150	9229	11150
55°	8978	10301	9600	10301
60°	8414	9541	10046	9541
65°	7834	8692	10418	8692
70°	7159	7848	10655	7848
75°	6394	6906	10524	6906
80°	5360	5658	10195	5658
85°	3955	4085	9763	4085



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.4	2.1
10°-20°	516.1	6.5
20°-30°	818.4	10.2
30°-40°	910.7	11.4
40°-50°	829.0	10.4
50°-60°	677.5	8.5
60°-70°	483.6	6.1
70°-80°	266.3	3.3
80°-90°	76.2	1.0
90°-100°	77.0	1.0
100°-110°	228.2	2.9
110°-120°	387.4	4.9
120°-130°	510.8	6.4
130°-140°	573.6	7.2
140°-150°	563.7	7.1
150°-160°	474.1	5.9
160°-170°	315.4	3.9
170°-180°	110.5	1.4
0°-30°	1501.9	18.8
0°-40°	2412.6	30.2
0°-60°	3919.1	49.1
0°-90°	4745.3	59.4
90°-120°	692.6	8.7
90°-150°	2340.6	29.3
90°-180°	3241.0	40.6
0°-180°	7985.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1719	1719	1719	1719	1719	
5°	2016	1716	1515	1716	2016	205
15°	2770	1640	1215	1640	2770	782
25°	2940	1499	987	1499	2940	1296
35°	1739	1302	874	1302	1739	1104
45°	975	1039	782	1039	975	768
55°	638	732	682	732	638	576
65°	410	455	545	455	410	406
75°	205	221	337	221	205	218
85°	43	44	105	44	43	53
90°	27	3	27	3	27	15
95°	71	54	71	54	71	74
105°	220	210	220	210	220	232
115°	390	394	390	394	390	386
125°	569	574	569	574	569	508
135°	741	740	741	740	741	572
145°	900	899	900	899	900	563
155°	1029	1030	1029	1030	1029	474
165°	1118	1121	1118	1121	1118	315
175°	1161	1166	1161	1166	1161	110
180°	1168	1168	1168	1168	1168	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1829.2	1828.5	1822.9	1821.8	1817.8	1812.7	1811.5	1802.4	1784.1	1775.6	1773.3
5°	2016.2	2030.5	2012.0	2008.4	2006.3	1982.8	1970.7	1956.4	1923.7	1904.5	1889.5
7.5°	2239.5	2241.2	2233.1	2226.6	2208.5	2188.0	2157.2	2124.5	2085.4	2044.9	2014.3
10°	2386.5	2392.2	2382.9	2381.5	2345.2	2322.4	2276.8	2238.4	2194.2	2145.1	2100.2
12.5°	2541.4	2533.4	2528.7	2498.2	2491.5	2450.0	2397.0	2357.4	2289.4	2232.8	2173.2
15°	2769.5	2753.9	2743.9	2701.9	2681.2	2623.5	2567.3	2523.9	2434.9	2350.2	2286.1
17.5°	2903.3	2919.0	2895.9	2878.7	2825.3	2784.9	2727.4	2636.3	2566.6	2461.4	2380.5
20°	3000.2	3001.6	2988.7	2971.0	2929.0	2877.7	2815.0	2715.3	2632.1	2527.5	2416.4
22.5°	3026.4	3026.6	3021.2	3004.6	2972.8	2931.2	2868.0	2784.9	2684.0	2570.2	2459.1
25°	2940.3	2937.5	2943.9	2962.4	2950.3	2937.5	2901.2	2839.3	2745.3	2624.9	2505.4
27.5°	2620.8	2640.4	2676.6	2722.2	2766.1	2799.5	2809.0	2796.2	2738.0	2639.1	2513.7
30°	2390.8	2414.9	2442.0	2487.5	2575.9	2626.4	2681.9	2723.9	2700.5	2621.5	2504.6
32.5°	2137.9	2143.9	2184.0	2235.8	2316.7	2414.0	2502.0	2587.2	2615.6	2574.1	2476.7
35°	1738.6	1748.6	1792.0	1843.3	1942.2	2061.1	2193.5	2311.7	2409.2	2448.4	2398.5
37.5°	1418.8	1447.4	1478.0	1533.1	1620.2	1727.3	1864.9	2017.9	2163.2	2260.6	2277.1
40°	1267.3	1285.0	1307.2	1349.2	1423.2	1528.6	1646.7	1821.9	1976.4	2115.9	2161.5
42.5°	1147.6	1158.1	1171.6	1209.6	1266.0	1370.8	1478.7	1632.8	1787.9	1954.7	2031.0
45°	975.4	986.1	1008.8	1030.9	1073.6	1146.2	1246.6	1373.3	1529.3	1690.1	1831.1
47.5°	851.0	857.7	871.3	894.9	931.2	979.1	1060.8	1166.6	1311.2	1467.3	1617.6
50°	780.3	786.0	796.7	818.1	845.8	888.5	955.5	1054.4	1167.6	1324.9	1472.3
52.5°	724.5	726.7	734.6	749.1	771.2	807.1	862.0	943.9	1049.1	1189.4	1336.2
55°	637.9	640.8	647.9	658.5	677.8	700.5	742.5	803.8	895.6	1017.4	1144.8
57.5°	566.7	568.7	574.7	578.8	594.6	613.1	645.4	689.2	758.8	862.0	975.8
60°	521.1	519.7	526.8	530.4	541.1	556.8	581.7	623.7	684.2	767.5	872.2
62.5°	476.7	474.7	480.7	485.4	491.5	504.9	525.3	558.2	607.3	682.6	773.0
65°	410.1	407.2	410.8	416.5	422.2	429.3	444.3	473.4	512.6	566.7	635.8
67.5°	343.1	346.2	346.7	349.6	352.8	362.6	372.7	393.4	421.1	464.3	522.9
70°	303.3	304.0	306.8	306.8	309.0	317.5	326.1	338.1	365.2	405.1	452.8
72.5°	263.4	266.4	265.3	267.5	269.1	274.8	281.1	292.6	315.7	345.3	385.6
75°	205.0	207.1	207.1	207.9	210.0	212.1	217.1	225.7	242.1	264.1	291.9
77.5°	149.5	149.8	150.8	153.4	153.4	156.8	160.5	167.3	175.4	190.6	207.5
80°	115.3	116.7	116.0	117.4	117.4	120.3	121.7	130.3	133.8	143.8	157.3
82.5°	84.6	86.0	85.9	87.8	89.0	89.5	91.6	95.0	98.5	107.4	112.9
85°	42.7	44.1	42.7	44.1	46.3	47.0	49.1	49.8	52.7	54.8	59.8
87.5°	17.9	19.6	19.5	20.0	21.0	21.5	21.8	21.0	23.0	23.4	25.3
90°	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3	21.0	19.9	18.3
92.5°	40.1	39.9	39.6	39.4	39.1	38.7	37.9	37.2	36.5	35.8	34.7
95°	71.3	71.3	71.3	71.3	71.3	71.1	70.4	69.8	69.3	68.7	67.2
97.5°	111.8	111.8	111.8	111.8	111.8	111.5	110.8	110.0	109.3	108.6	106.9
100°	140.0	140.0	140.0	140.0	140.0	139.8	139.4	139.0	138.6	138.2	136.4
102.5°	171.8	171.7	171.5	171.3	171.2	170.9	170.2	169.7	169.2	168.5	166.9
105°	220.4	219.8	219.2	218.6	218.0	217.4	216.8	216.2	215.6	215.0	214.2
107.5°	267.8	267.8	267.9	267.9	267.9	267.7	267.1	266.5	266.0	265.4	265.3
110°	301.8	301.1	300.5	299.9	299.3	299.2	299.6	300.0	300.4	300.8	301.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	336.4	336.3	336.2	336.1	335.9	335.9	336.0	336.1	336.2	336.3	336.6
115°	390.2	390.5	390.7	390.8	391.0	391.3	391.5	391.6	391.8	392.1	392.4
117.5°	441.6	441.9	442.4	442.7	443.2	443.7	444.3	445.1	445.8	446.4	446.7
120°	480.5	480.2	479.7	479.4	478.9	479.3	480.3	481.3	482.3	483.3	483.9
122.5°	513.1	513.8	514.5	515.2	515.9	516.7	517.4	518.1	518.7	519.4	519.7
125°	569.1	569.5	569.9	570.3	570.7	571.1	571.5	571.9	572.3	572.7	572.9
127.5°	621.0	621.3	621.6	621.9	622.2	622.6	623.0	623.4	623.8	624.2	624.6
130°	655.0	655.8	656.6	657.4	658.2	658.7	659.2	659.5	660.0	660.3	660.3
132.5°	691.1	691.3	691.7	692.1	692.3	692.7	693.1	693.5	693.9	694.3	694.5
135°	740.7	741.4	741.9	742.5	743.2	743.7	744.0	744.5	744.8	745.3	745.3
137.5°	792.9	792.8	792.7	792.6	792.5	792.6	793.2	793.7	794.2	794.8	794.4
140°	824.7	824.9	825.2	825.4	825.5	825.7	826.0	826.2	826.3	826.5	826.5
142.5°	856.6	856.6	856.7	856.7	856.7	856.8	856.8	856.8	856.8	856.9	857.1
145°	899.7	900.4	900.9	901.5	902.1	902.5	902.8	902.9	903.1	903.3	903.1
147.5°	943.4	943.6	943.9	944.1	944.2	944.4	944.6	944.8	944.9	945.0	945.2
150°	970.2	970.4	970.6	970.8	971.0	971.1	971.1	971.1	971.1	971.1	971.1
152.5°	994.8	995.2	995.8	996.3	996.8	996.8	996.4	995.9	995.4	995.0	994.8
155°	1028.9	1029.7	1030.6	1031.4	1032.2	1032.2	1031.4	1030.6	1029.7	1028.9	1029.1
157.5°	1059.4	1060.2	1060.8	1061.5	1062.2	1062.2	1061.6	1061.0	1060.4	1059.8	1059.8
160°	1076.7	1077.8	1078.8	1079.8	1080.8	1081.0	1080.4	1079.8	1079.1	1078.6	1078.8
162.5°	1094.8	1095.8	1096.9	1097.9	1098.9	1098.9	1097.7	1096.6	1095.6	1094.5	1094.7
165°	1118.3	1119.1	1119.9	1120.7	1121.5	1121.3	1120.2	1118.9	1117.8	1116.5	1117.0
167.5°	1135.1	1136.4	1137.6	1138.9	1140.1	1140.1	1138.9	1137.7	1136.5	1135.3	1135.2
170°	1144.5	1145.9	1147.4	1148.8	1150.1	1150.2	1149.1	1147.8	1146.7	1145.4	1145.2
172.5°	1152.4	1153.9	1155.3	1156.7	1158.1	1158.2	1156.7	1155.4	1154.1	1152.6	1152.6
175°	1160.8	1162.2	1163.6	1165.0	1166.4	1166.4	1165.0	1163.6	1162.2	1160.8	1161.0
177.5°	1165.1	1166.4	1167.7	1168.9	1170.3	1170.4	1169.2	1168.1	1167.0	1165.8	1165.8
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1773.9	1765.9	1760.2	1755.7	1743.1	1735.7	1730.0	1722.1	1713.0	1703.3	1691.3
5°	1874.6	1850.4	1832.6	1805.5	1779.9	1758.5	1736.4	1716.5	1692.3	1666.0	1646.7
7.5°	1980.4	1944.4	1898.2	1858.2	1813.2	1774.1	1739.0	1703.2	1665.8	1629.7	1596.5
10°	2047.5	2001.3	1950.0	1889.5	1832.6	1782.0	1735.0	1689.4	1645.3	1601.2	1563.4
12.5°	2120.0	2062.3	1986.5	1915.8	1851.9	1784.3	1727.6	1671.8	1618.5	1572.2	1528.1
15°	2217.1	2133.7	2046.1	1951.4	1867.4	1788.4	1710.8	1640.3	1580.6	1519.3	1476.6
17.5°	2276.7	2173.6	2073.5	1974.5	1872.9	1773.2	1689.4	1608.2	1533.3	1472.5	1418.6
20°	2316.0	2213.5	2088.8	1989.9	1868.8	1766.4	1669.6	1579.1	1500.8	1436.0	1380.5
22.5°	2350.2	2231.7	2107.1	1976.8	1856.4	1747.6	1641.6	1550.6	1470.6	1402.4	1349.2
25°	2368.7	2232.7	2097.4	1967.8	1831.1	1702.3	1606.1	1499.4	1413.9	1342.0	1285.0
27.5°	2370.7	2225.3	2072.2	1928.2	1787.2	1667.1	1545.8	1450.4	1361.6	1285.7	1231.0
30°	2364.4	2212.8	2048.3	1892.4	1750.7	1620.4	1515.0	1411.1	1320.7	1245.2	1188.2
32.5°	2344.5	2186.6	2017.5	1852.5	1705.7	1578.2	1469.5	1370.6	1282.5	1208.2	1148.3
35°	2286.8	2130.8	1950.7	1779.1	1629.0	1500.1	1401.9	1301.5	1213.2	1142.7	1085.0
37.5°	2196.6	2055.7	1872.6	1695.1	1547.5	1418.1	1320.7	1229.9	1150.4	1078.8	1019.7
40°	2118.1	1994.2	1810.5	1637.4	1478.0	1354.9	1263.7	1180.4	1101.4	1033.8	977.5
42.5°	2027.5	1919.6	1750.2	1566.8	1413.1	1289.3	1200.5	1125.7	1051.2	988.7	932.6
45°	1866.0	1794.8	1635.4	1465.9	1305.7	1188.9	1104.2	1038.8	976.1	914.9	867.9
47.5°	1680.3	1645.0	1510.7	1349.9	1197.7	1082.7	1009.2	948.8	893.8	842.0	800.5
50°	1555.6	1538.6	1422.5	1267.3	1122.0	1013.8	939.8	887.8	840.8	795.2	756.1
52.5°	1432.6	1432.0	1327.4	1185.3	1050.9	946.6	873.2	824.6	783.9	746.8	711.7
55°	1244.5	1264.4	1182.6	1055.8	935.5	841.5	775.3	731.9	703.4	672.8	646.5
57.5°	1071.7	1104.8	1037.3	925.7	825.3	738.7	681.1	648.5	618.1	599.6	580.4
60°	959.0	990.3	937.6	843.6	748.9	674.9	620.1	590.9	564.5	551.8	538.2
62.5°	858.7	886.6	847.7	760.5	678.3	607.2	560.9	532.8	515.1	501.1	492.1
65°	715.5	739.0	705.5	642.2	571.7	514.8	477.0	455.0	437.8	432.1	422.2
67.5°	578.4	599.8	581.7	527.8	471.3	428.2	398.7	377.5	367.4	362.4	355.3
70°	497.0	518.3	499.1	452.1	408.7	372.4	344.6	332.5	321.8	319.7	309.7
72.5°	428.0	442.6	423.3	386.6	349.5	318.8	297.3	284.6	279.1	275.3	269.8
75°	321.1	333.9	321.1	292.6	266.3	245.0	226.4	221.4	215.0	212.9	209.3
77.5°	227.3	238.4	228.5	210.7	191.1	174.6	164.6	158.2	156.8	153.1	154.8
80°	173.7	180.8	171.6	159.4	143.8	132.4	125.3	121.7	117.4	116.0	118.9
82.5°	124.8	127.9	123.1	115.0	103.3	95.9	91.1	87.0	86.1	86.4	86.4
85°	64.8	64.1	63.4	56.3	52.7	47.7	44.9	44.1	43.4	44.9	46.3
87.5°	25.0	25.2	24.3	21.7	19.5	17.4	16.3	15.3	16.3	17.4	18.4
90°	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7	4.9	7.1	9.4
92.5°	33.5	32.4	31.3	29.4	26.9	24.4	21.8	19.4	21.8	24.4	26.9
95°	65.8	64.5	63.0	61.4	59.7	57.8	56.0	54.2	56.0	57.8	59.7
97.5°	105.3	103.6	102.0	100.5	99.0	97.6	96.1	94.7	96.1	97.6	99.0
100°	134.6	132.8	131.0	129.7	128.9	128.0	127.2	126.4	127.2	128.0	128.9
102.5°	165.2	163.6	161.9	161.0	160.7	160.3	160.1	159.7	160.1	160.3	160.7
105°	213.4	212.6	211.8	211.2	211.1	210.9	210.7	210.4	210.7	210.9	211.1
107.5°	265.2	265.0	264.9	264.7	264.5	264.2	264.0	263.8	264.0	264.2	264.5
110°	301.2	301.4	301.6	301.5	301.1	300.7	300.3	299.9	300.3	300.7	301.1





TEST NUMBER: P332848-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	337.0	337.3	337.7	337.8	337.7	337.7	337.6	337.5	337.6	337.7	337.7
115°	392.9	393.2	393.7	393.9	393.9	393.9	393.9	393.9	393.9	393.9	393.9
117.5°	447.0	447.3	447.5	447.6	447.5	447.3	447.1	447.0	447.1	447.3	447.5
120°	484.5	485.1	485.7	485.6	484.8	484.0	483.2	482.4	483.2	484.0	484.8
122.5°	520.0	520.2	520.6	520.5	520.2	519.9	519.6	519.2	519.6	519.9	520.2
125°	573.1	573.3	573.5	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
127.5°	624.8	625.2	625.5	625.4	624.7	624.1	623.6	622.9	623.6	624.1	624.7
130°	660.3	660.3	660.3	660.0	659.4	658.8	658.3	657.6	658.3	658.8	659.4
132.5°	694.6	694.8	694.9	694.8	694.4	693.9	693.5	693.0	693.5	693.9	694.4
135°	745.3	745.3	745.3	744.7	743.4	742.3	741.0	739.9	741.0	742.3	743.4
137.5°	794.2	793.8	793.4	793.0	792.5	791.9	791.3	790.8	791.3	791.9	792.5
140°	826.5	826.5	826.5	826.3	826.0	825.5	825.2	824.7	825.2	825.5	826.0
142.5°	857.2	857.4	857.6	857.5	857.0	856.7	856.2	855.9	856.2	856.7	857.0
145°	902.9	902.8	902.5	902.1	901.3	900.4	899.6	898.8	899.6	900.4	901.3
147.5°	945.4	945.6	945.7	945.3	944.3	943.4	942.4	941.5	942.4	943.4	944.3
150°	971.1	971.1	971.1	970.7	969.9	969.1	968.3	967.5	968.3	969.1	969.9
152.5°	994.6	994.4	994.3	994.0	993.5	993.0	992.6	992.0	992.6	993.0	993.5
155°	1029.3	1029.5	1029.7	1029.8	1029.8	1029.8	1029.8	1029.8	1029.8	1029.8	1029.8
157.5°	1059.9	1059.9	1060.0	1060.2	1060.5	1060.9	1061.2	1061.6	1061.2	1060.9	1060.5
160°	1079.0	1079.1	1079.4	1079.6	1079.8	1080.0	1080.2	1080.4	1080.2	1080.0	1079.8
162.5°	1094.9	1095.1	1095.3	1095.6	1096.2	1096.7	1097.3	1097.7	1097.3	1096.7	1096.2
165°	1117.3	1117.8	1118.1	1118.7	1119.3	1119.8	1120.4	1121.1	1120.4	1119.8	1119.3
167.5°	1135.2	1135.2	1135.1	1135.6	1136.4	1137.3	1138.1	1138.9	1138.1	1137.3	1136.4
170°	1145.0	1144.9	1144.6	1145.0	1146.0	1147.0	1148.1	1149.1	1148.1	1147.0	1146.0
172.5°	1152.6	1152.5	1152.5	1152.9	1153.8	1154.6	1155.4	1156.3	1155.4	1154.6	1153.8
175°	1161.2	1161.4	1161.6	1162.2	1163.2	1164.2	1165.2	1166.2	1165.2	1164.2	1163.2
177.5°	1165.8	1165.8	1165.8	1166.3	1167.1	1167.9	1168.7	1169.5	1168.7	1167.9	1167.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1685.6	1680.5	1673.1	1662.9	1654.3	1645.2	1642.9	1639.5	1646.3	1640.7	1638.9
5°	1630.4	1615.4	1596.2	1574.1	1561.3	1542.8	1539.3	1532.1	1525.0	1524.3	1517.2
7.5°	1571.8	1549.9	1524.7	1502.2	1481.4	1461.2	1448.0	1445.1	1434.6	1428.4	1421.3
10°	1534.3	1507.2	1478.0	1456.7	1432.4	1411.1	1396.2	1387.6	1380.5	1372.6	1365.6
12.5°	1489.9	1461.1	1437.0	1413.9	1385.2	1369.0	1344.3	1329.5	1328.1	1328.2	1309.7
15°	1438.2	1409.7	1372.6	1339.9	1324.2	1292.9	1279.3	1262.3	1251.6	1240.9	1232.4
17.5°	1379.0	1343.6	1314.6	1277.1	1247.2	1222.3	1204.5	1194.3	1178.1	1163.1	1152.1
20°	1342.0	1304.3	1273.7	1233.8	1201.0	1170.5	1155.5	1141.3	1129.2	1116.3	1104.2
22.5°	1304.4	1265.0	1227.5	1188.8	1158.3	1126.1	1111.6	1092.3	1080.8	1073.6	1061.5
25°	1245.2	1202.5	1159.8	1122.8	1091.5	1062.9	1043.7	1028.8	1015.9	1010.2	1002.5
27.5°	1180.8	1138.4	1097.2	1055.1	1019.5	998.9	983.5	972.2	964.8	957.3	953.8
30°	1139.9	1095.7	1051.6	1012.4	979.6	959.0	944.8	936.9	931.2	927.6	924.1
32.5°	1098.2	1054.7	1008.3	972.5	943.2	924.8	914.0	906.2	903.3	902.1	900.8
35°	1031.6	987.5	944.8	912.8	884.9	877.8	868.6	864.3	862.9	867.9	870.0
37.5°	967.1	926.1	886.8	855.8	837.6	827.2	824.0	824.1	829.3	833.7	838.8
40°	925.5	885.6	848.6	821.6	804.5	798.1	796.7	800.2	805.9	810.9	816.6
42.5°	885.1	845.8	812.2	786.8	774.9	769.0	769.9	773.5	781.4	787.6	796.1
45°	822.3	789.5	756.8	736.2	726.2	727.6	727.6	734.1	741.8	751.1	760.4
47.5°	763.2	730.2	703.3	685.9	680.7	679.5	683.5	691.9	703.1	714.5	727.5
50°	723.4	692.1	668.5	652.8	647.2	649.3	655.0	662.8	676.4	690.6	704.1
52.5°	682.9	654.4	632.7	618.1	614.1	618.0	623.7	636.1	647.9	663.3	679.7
55°	620.1	595.9	578.8	568.1	566.7	568.8	575.2	588.8	605.8	625.1	640.8
57.5°	557.6	537.3	521.7	514.3	515.1	517.0	527.5	543.7	561.9	582.4	602.6
60°	515.4	497.0	484.1	478.4	479.1	483.4	496.2	511.2	534.0	553.9	575.2
62.5°	475.5	459.3	447.1	442.0	441.0	450.4	462.6	478.1	501.0	523.2	546.2
65°	411.5	398.7	388.7	385.8	388.0	395.1	410.8	431.4	450.7	474.1	498.4
67.5°	348.8	338.3	331.4	332.8	335.4	345.9	359.0	376.7	398.6	422.9	446.8
70°	309.0	299.0	293.3	294.0	298.3	311.1	322.5	340.3	363.8	388.7	408.7
72.5°	268.0	261.4	256.3	259.3	263.6	272.4	286.6	304.4	325.1	348.3	369.3
75°	205.7	205.7	202.9	205.0	211.4	220.0	230.7	249.1	269.8	288.4	305.4
77.5°	152.7	151.1	152.9	155.5	159.2	169.3	181.6	194.7	210.4	228.8	242.9
80°	116.7	117.4	121.0	125.3	126.7	134.6	147.4	159.4	171.6	187.3	200.8
82.5°	87.7	88.5	90.2	95.7	97.1	105.5	113.8	125.9	136.9	147.4	158.6
85°	47.7	47.7	51.3	53.4	57.0	62.7	67.6	74.7	84.7	91.8	102.5
87.5°	20.5	21.0	23.5	25.0	27.0	30.1	31.6	38.1	40.6	43.7	49.0
90°	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3	23.5	24.7	25.5
92.5°	29.4	31.3	32.4	33.5	34.7	35.8	36.5	37.2	37.9	38.7	39.1
95°	61.4	63.0	64.5	65.8	67.2	68.7	69.3	69.8	70.4	71.1	71.3
97.5°	100.5	102.0	103.6	105.3	106.9	108.6	109.3	110.0	110.8	111.5	111.8
100°	129.7	131.0	132.8	134.6	136.4	138.2	138.6	139.0	139.4	139.8	140.0
102.5°	161.0	161.9	163.6	165.2	166.9	168.5	169.2	169.7	170.2	170.9	171.2
105°	211.2	211.8	212.6	213.4	214.2	215.0	215.6	216.2	216.8	217.4	218.0
107.5°	264.7	264.9	265.0	265.2	265.3	265.4	266.0	266.5	267.1	267.7	267.9
110°	301.5	301.6	301.4	301.2	301.0	300.8	300.4	300.0	299.6	299.2	299.3



TEST NUMBER: P332848-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	337.8	337.7	337.3	337.0	336.6	336.3	336.2	336.1	336.0	335.9	335.9
115°	393.9	393.7	393.2	392.9	392.4	392.1	391.8	391.6	391.5	391.3	391.0
117.5°	447.6	447.5	447.3	447.0	446.7	446.4	445.8	445.1	444.3	443.7	443.2
120°	485.6	485.7	485.1	484.5	483.9	483.3	482.3	481.3	480.3	479.3	478.9
122.5°	520.5	520.6	520.2	520.0	519.7	519.4	518.7	518.1	517.4	516.7	515.9
125°	573.6	573.5	573.3	573.1	572.9	572.7	572.3	571.9	571.5	571.1	570.7
127.5°	625.4	625.5	625.2	624.8	624.6	624.2	623.8	623.4	623.0	622.6	622.2
130°	660.0	660.3	660.3	660.3	660.3	660.3	660.0	659.5	659.2	658.7	658.2
132.5°	694.8	694.9	694.8	694.6	694.5	694.3	693.9	693.5	693.1	692.7	692.3
135°	744.7	745.3	745.3	745.3	745.3	745.3	744.8	744.5	744.0	743.7	743.2
137.5°	793.0	793.4	793.8	794.2	794.4	794.8	794.2	793.7	793.2	792.6	792.5
140°	826.3	826.5	826.5	826.5	826.5	826.5	826.3	826.2	826.0	825.7	825.5
142.5°	857.5	857.6	857.4	857.2	857.1	856.9	856.8	856.8	856.8	856.8	856.7
145°	902.1	902.5	902.8	902.9	903.1	903.3	903.1	902.9	902.8	902.5	902.1
147.5°	945.3	945.7	945.6	945.4	945.2	945.0	944.9	944.8	944.6	944.4	944.2
150°	970.7	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.0
152.5°	994.0	994.3	994.4	994.6	994.8	995.0	995.4	995.9	996.4	996.8	996.8
155°	1029.8	1029.7	1029.5	1029.3	1029.1	1028.9	1029.7	1030.6	1031.4	1032.2	1032.2
157.5°	1060.2	1060.0	1059.9	1059.9	1059.8	1059.8	1060.4	1061.0	1061.6	1062.2	1062.2
160°	1079.6	1079.4	1079.1	1079.0	1078.8	1078.6	1079.1	1079.8	1080.4	1081.0	1080.8
162.5°	1095.6	1095.3	1095.1	1094.9	1094.7	1094.5	1095.6	1096.6	1097.7	1098.9	1098.9
165°	1118.7	1118.1	1117.8	1117.3	1117.0	1116.5	1117.8	1118.9	1120.2	1121.3	1121.5
167.5°	1135.6	1135.1	1135.2	1135.2	1135.2	1135.3	1136.5	1137.7	1138.9	1140.1	1140.1
170°	1145.0	1144.6	1144.9	1145.0	1145.2	1145.4	1146.7	1147.8	1149.1	1150.2	1150.1
172.5°	1152.9	1152.5	1152.5	1152.6	1152.6	1152.6	1154.1	1155.4	1156.7	1158.2	1158.1
175°	1162.2	1161.6	1161.4	1161.2	1161.0	1160.8	1162.2	1163.6	1165.0	1166.4	1166.4
177.5°	1166.3	1165.8	1165.8	1165.8	1165.8	1165.8	1167.0	1168.1	1169.2	1170.4	1170.3
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1637.8	1636.6	1632.6	1632.1	1632.6	1636.6	1637.8	1638.9	1640.7	1646.3	1639.5
5°	1512.9	1509.3	1507.2	1515.0	1507.2	1509.3	1512.9	1517.2	1524.3	1525.0	1532.1
7.5°	1418.8	1415.9	1409.7	1407.7	1409.7	1415.9	1418.8	1421.3	1428.4	1434.6	1445.1
10°	1358.4	1355.6	1349.9	1348.4	1349.9	1355.6	1358.4	1365.6	1372.6	1380.5	1387.6
12.5°	1300.3	1294.6	1293.5	1294.9	1293.5	1294.6	1300.3	1309.7	1328.2	1328.1	1329.5
15°	1223.2	1220.3	1212.5	1214.6	1212.5	1220.3	1223.2	1232.4	1240.9	1251.6	1262.3
17.5°	1147.1	1143.7	1134.2	1142.5	1134.2	1143.7	1147.1	1152.1	1163.1	1178.1	1194.3
20°	1099.2	1093.6	1088.6	1087.9	1088.6	1093.6	1099.2	1104.2	1116.3	1129.2	1141.3
22.5°	1053.6	1048.6	1048.1	1043.5	1048.1	1048.6	1053.6	1061.5	1073.6	1080.8	1092.3
25°	996.8	991.8	990.3	986.8	990.3	991.8	996.8	1002.5	1010.2	1015.9	1028.8
27.5°	953.1	950.6	948.1	949.1	948.1	950.6	953.1	953.8	957.3	964.8	972.2
30°	926.2	925.5	924.1	924.1	924.1	925.5	926.2	924.1	927.6	931.2	936.9
32.5°	904.0	903.9	904.7	904.7	904.7	903.9	904.0	900.8	902.1	903.3	906.2
35°	872.9	874.9	876.4	874.2	876.4	874.9	872.9	870.0	867.9	862.9	864.3
37.5°	844.6	846.8	848.8	851.2	848.8	846.8	844.6	838.8	833.7	829.3	824.1
40°	823.0	828.0	829.4	832.9	829.4	828.0	823.0	816.6	810.9	805.9	800.2
42.5°	802.5	808.1	811.7	812.4	811.7	808.1	802.5	796.1	787.6	781.4	773.5
45°	771.1	776.8	781.8	781.8	781.8	776.8	771.1	760.4	751.1	741.8	734.1
47.5°	738.4	746.7	751.7	753.0	751.7	746.7	738.4	727.5	714.5	703.1	691.9
50°	716.2	726.2	731.2	734.8	731.2	726.2	716.2	704.1	690.6	676.4	662.8
52.5°	694.6	704.5	711.2	713.1	711.2	704.5	694.6	679.7	663.3	647.9	636.1
55°	657.1	671.4	679.2	682.1	679.2	671.4	657.1	640.8	625.1	605.8	588.8
57.5°	621.8	634.9	644.0	646.1	644.0	634.9	621.8	602.6	582.4	561.9	543.7
60°	594.5	608.7	620.1	622.2	620.1	608.7	594.5	575.2	553.9	534.0	511.2
62.5°	566.6	581.4	591.7	597.2	591.7	581.4	566.6	546.2	523.2	501.0	478.1
65°	518.3	533.2	543.2	545.4	543.2	533.2	518.3	498.4	474.1	450.7	431.4
67.5°	465.7	480.5	487.1	491.2	487.1	480.5	465.7	446.8	422.9	398.6	376.7
70°	428.6	440.7	447.8	451.4	447.8	440.7	428.6	408.7	388.7	363.8	340.3
72.5°	386.5	399.1	407.4	408.0	407.4	399.1	386.5	369.3	348.3	325.1	304.4
75°	321.8	333.2	337.4	337.4	337.4	333.2	321.8	305.4	288.4	269.8	249.1
77.5°	254.8	260.6	266.0	267.2	266.0	260.6	254.8	242.9	228.8	210.4	194.7
80°	211.4	215.0	219.3	219.3	219.3	215.0	211.4	200.8	187.3	171.6	159.4
82.5°	167.0	170.0	174.3	173.7	174.3	170.0	167.0	158.6	147.4	136.9	125.9
85°	101.1	107.5	106.8	105.4	106.8	107.5	101.1	102.5	91.8	84.7	74.7
87.5°	50.7	51.4	53.1	54.4	53.1	51.4	50.7	49.0	43.7	40.6	38.1
90°	25.9	26.3	26.7	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3
92.5°	39.4	39.6	39.9	40.1	39.9	39.6	39.4	39.1	38.7	37.9	37.2
95°	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.1	70.4	69.8
97.5°	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.5	110.8	110.0
100°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	139.8	139.4	139.0
102.5°	171.3	171.5	171.7	171.8	171.7	171.5	171.3	171.2	170.9	170.2	169.7
105°	218.6	219.2	219.8	220.4	219.8	219.2	218.6	218.0	217.4	216.8	216.2
107.5°	267.9	267.9	267.8	267.8	267.8	267.9	267.9	267.9	267.7	267.1	266.5
110°	299.9	300.5	301.1	301.8	301.1	300.5	299.9	299.3	299.2	299.6	300.0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	336.1	336.2	336.3	336.4	336.3	336.2	336.1	335.9	335.9	336.0	336.1
115°	390.8	390.7	390.5	390.2	390.5	390.7	390.8	391.0	391.3	391.5	391.6
117.5°	442.7	442.4	441.9	441.6	441.9	442.4	442.7	443.2	443.7	444.3	445.1
120°	479.4	479.7	480.2	480.5	480.2	479.7	479.4	478.9	479.3	480.3	481.3
122.5°	515.2	514.5	513.8	513.1	513.8	514.5	515.2	515.9	516.7	517.4	518.1
125°	570.3	569.9	569.5	569.1	569.5	569.9	570.3	570.7	571.1	571.5	571.9
127.5°	621.9	621.6	621.3	621.0	621.3	621.6	621.9	622.2	622.6	623.0	623.4
130°	657.4	656.6	655.8	655.0	655.8	656.6	657.4	658.2	658.7	659.2	659.5
132.5°	692.1	691.7	691.3	691.1	691.3	691.7	692.1	692.3	692.7	693.1	693.5
135°	742.5	741.9	741.4	740.7	741.4	741.9	742.5	743.2	743.7	744.0	744.5
137.5°	792.6	792.7	792.8	792.9	792.8	792.7	792.6	792.5	792.6	793.2	793.7
140°	825.4	825.2	824.9	824.7	824.9	825.2	825.4	825.5	825.7	826.0	826.2
142.5°	856.7	856.7	856.6	856.6	856.6	856.7	856.7	856.7	856.8	856.8	856.8
145°	901.5	900.9	900.4	899.7	900.4	900.9	901.5	902.1	902.5	902.8	902.9
147.5°	944.1	943.9	943.6	943.4	943.6	943.9	944.1	944.2	944.4	944.6	944.8
150°	970.8	970.6	970.4	970.2	970.4	970.6	970.8	971.0	971.1	971.1	971.1
152.5°	996.3	995.8	995.2	994.8	995.2	995.8	996.3	996.8	996.8	996.4	995.9
155°	1031.4	1030.6	1029.7	1028.9	1029.7	1030.6	1031.4	1032.2	1032.2	1031.4	1030.6
157.5°	1061.5	1060.8	1060.2	1059.4	1060.2	1060.8	1061.5	1062.2	1062.2	1061.6	1061.0
160°	1079.8	1078.8	1077.8	1076.7	1077.8	1078.8	1079.8	1080.8	1081.0	1080.4	1079.8
162.5°	1097.9	1096.9	1095.8	1094.8	1095.8	1096.9	1097.9	1098.9	1098.9	1097.7	1096.6
165°	1120.7	1119.9	1119.1	1118.3	1119.1	1119.9	1120.7	1121.5	1121.3	1120.2	1118.9
167.5°	1138.9	1137.6	1136.4	1135.1	1136.4	1137.6	1138.9	1140.1	1140.1	1138.9	1137.7
170°	1148.8	1147.4	1145.9	1144.5	1145.9	1147.4	1148.8	1150.1	1150.2	1149.1	1147.8
172.5°	1156.7	1155.3	1153.9	1152.4	1153.9	1155.3	1156.7	1158.1	1158.2	1156.7	1155.4
175°	1165.0	1163.6	1162.2	1160.8	1162.2	1163.6	1165.0	1166.4	1166.4	1165.0	1163.6
177.5°	1168.9	1167.7	1166.4	1165.1	1166.4	1167.7	1168.9	1170.3	1170.4	1169.2	1168.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1642.9	1645.2	1654.3	1662.9	1673.1	1680.5	1685.6	1691.3	1703.3	1713.0	1722.1
5°	1539.3	1542.8	1561.3	1574.1	1596.2	1615.4	1630.4	1646.7	1666.0	1692.3	1716.5
7.5°	1448.0	1461.2	1481.4	1502.2	1524.7	1549.9	1571.8	1596.5	1629.7	1665.8	1703.2
10°	1396.2	1411.1	1432.4	1456.7	1478.0	1507.2	1534.3	1563.4	1601.2	1645.3	1689.4
12.5°	1344.3	1369.0	1385.2	1413.9	1437.0	1461.1	1489.9	1528.1	1572.2	1618.5	1671.8
15°	1279.3	1292.9	1324.2	1339.9	1372.6	1409.7	1438.2	1476.6	1519.3	1580.6	1640.3
17.5°	1204.5	1222.3	1247.2	1277.1	1314.6	1343.6	1379.0	1418.6	1472.5	1533.3	1608.2
20°	1155.5	1170.5	1201.0	1233.8	1273.7	1304.3	1342.0	1380.5	1436.0	1500.8	1579.1
22.5°	1111.6	1126.1	1158.3	1188.8	1227.5	1265.0	1304.4	1349.2	1402.4	1470.6	1550.6
25°	1043.7	1062.9	1091.5	1122.8	1159.8	1202.5	1245.2	1285.0	1342.0	1413.9	1499.4
27.5°	983.5	998.9	1019.5	1055.1	1097.2	1138.4	1180.8	1231.0	1285.7	1361.6	1450.4
30°	944.8	959.0	979.6	1012.4	1051.6	1095.7	1139.9	1188.2	1245.2	1320.7	1411.1
32.5°	914.0	924.8	943.2	972.5	1008.3	1054.7	1098.2	1148.3	1208.2	1282.5	1370.6
35°	868.6	877.8	884.9	912.8	944.8	987.5	1031.6	1085.0	1142.7	1213.2	1301.5
37.5°	824.0	827.2	837.6	855.8	886.8	926.1	967.1	1019.7	1078.8	1150.4	1229.9
40°	796.7	798.1	804.5	821.6	848.6	885.6	925.5	977.5	1033.8	1101.4	1180.4
42.5°	769.9	769.0	774.9	786.8	812.2	845.8	885.1	932.6	988.7	1051.2	1125.7
45°	727.6	727.6	726.2	736.2	756.8	789.5	822.3	867.9	914.9	976.1	1038.8
47.5°	683.5	679.5	680.7	685.9	703.3	730.2	763.2	800.5	842.0	893.8	948.8
50°	655.0	649.3	647.2	652.8	668.5	692.1	723.4	756.1	795.2	840.8	887.8
52.5°	623.7	618.0	614.1	618.1	632.7	654.4	682.9	711.7	746.8	783.9	824.6
55°	575.2	568.8	566.7	568.1	578.8	595.9	620.1	646.5	672.8	703.4	731.9
57.5°	527.5	517.0	515.1	514.3	521.7	537.3	557.6	580.4	599.6	618.1	648.5
60°	496.2	483.4	479.1	478.4	484.1	497.0	515.4	538.2	551.8	564.5	590.9
62.5°	462.6	450.4	441.0	442.0	447.1	459.3	475.5	492.1	501.1	515.1	532.8
65°	410.8	395.1	388.0	385.8	388.7	398.7	411.5	422.2	432.1	437.8	455.0
67.5°	359.0	345.9	335.4	332.8	331.4	338.3	348.8	355.3	362.4	367.4	377.5
70°	322.5	311.1	298.3	294.0	293.3	299.0	309.0	309.7	319.7	321.8	332.5
72.5°	286.6	272.4	263.6	259.3	256.3	261.4	268.0	269.8	275.3	279.1	284.6
75°	230.7	220.0	211.4	205.0	202.9	205.7	205.7	209.3	212.9	215.0	221.4
77.5°	181.6	169.3	159.2	155.5	152.9	151.1	152.7	154.8	153.1	156.8	158.2
80°	147.4	134.6	126.7	125.3	121.0	117.4	116.7	118.9	116.0	117.4	121.7
82.5°	113.8	105.5	97.1	95.7	90.2	88.5	87.7	86.4	86.4	86.1	87.0
85°	67.6	62.7	57.0	53.4	51.3	47.7	47.7	46.3	44.9	43.4	44.1
87.5°	31.6	30.1	27.0	25.0	23.5	21.0	20.5	18.4	17.4	16.3	15.3
90°	21.0	19.9	18.3	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7
92.5°	36.5	35.8	34.7	33.5	32.4	31.3	29.4	26.9	24.4	21.8	19.4
95°	69.3	68.7	67.2	65.8	64.5	63.0	61.4	59.7	57.8	56.0	54.2
97.5°	109.3	108.6	106.9	105.3	103.6	102.0	100.5	99.0	97.6	96.1	94.7
100°	138.6	138.2	136.4	134.6	132.8	131.0	129.7	128.9	128.0	127.2	126.4
102.5°	169.2	168.5	166.9	165.2	163.6	161.9	161.0	160.7	160.3	160.1	159.7
105°	215.6	215.0	214.2	213.4	212.6	211.8	211.2	211.1	210.9	210.7	210.4
107.5°	266.0	265.4	265.3	265.2	265.0	264.9	264.7	264.5	264.2	264.0	263.8
110°	300.4	300.8	301.0	301.2	301.4	301.6	301.5	301.1	300.7	300.3	299.9



TEST NUMBER: P332848-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	336.2	336.3	336.6	337.0	337.3	337.7	337.8	337.7	337.7	337.6	337.5
115°	391.8	392.1	392.4	392.9	393.2	393.7	393.9	393.9	393.9	393.9	393.9
117.5°	445.8	446.4	446.7	447.0	447.3	447.5	447.6	447.5	447.3	447.1	447.0
120°	482.3	483.3	483.9	484.5	485.1	485.7	485.6	484.8	484.0	483.2	482.4
122.5°	518.7	519.4	519.7	520.0	520.2	520.6	520.5	520.2	519.9	519.6	519.2
125°	572.3	572.7	572.9	573.1	573.3	573.5	573.6	573.6	573.6	573.6	573.6
127.5°	623.8	624.2	624.6	624.8	625.2	625.5	625.4	624.7	624.1	623.6	622.9
130°	660.0	660.3	660.3	660.3	660.3	660.3	660.0	659.4	658.8	658.3	657.6
132.5°	693.9	694.3	694.5	694.6	694.8	694.9	694.8	694.4	693.9	693.5	693.0
135°	744.8	745.3	745.3	745.3	745.3	745.3	744.7	743.4	742.3	741.0	739.9
137.5°	794.2	794.8	794.4	794.2	793.8	793.4	793.0	792.5	791.9	791.3	790.8
140°	826.3	826.5	826.5	826.5	826.5	826.5	826.3	826.0	825.5	825.2	824.7
142.5°	856.8	856.9	857.1	857.2	857.4	857.6	857.5	857.0	856.7	856.2	855.9
145°	903.1	903.3	903.1	902.9	902.8	902.5	902.1	901.3	900.4	899.6	898.8
147.5°	944.9	945.0	945.2	945.4	945.6	945.7	945.3	944.3	943.4	942.4	941.5
150°	971.1	971.1	971.1	971.1	971.1	971.1	970.7	969.9	969.1	968.3	967.5
152.5°	995.4	995.0	994.8	994.6	994.4	994.3	994.0	993.5	993.0	992.6	992.0
155°	1029.7	1028.9	1029.1	1029.3	1029.5	1029.7	1029.8	1029.8	1029.8	1029.8	1029.8
157.5°	1060.4	1059.8	1059.8	1059.9	1059.9	1060.0	1060.2	1060.5	1060.9	1061.2	1061.6
160°	1079.1	1078.6	1078.8	1079.0	1079.1	1079.4	1079.6	1079.8	1080.0	1080.2	1080.4
162.5°	1095.6	1094.5	1094.7	1094.9	1095.1	1095.3	1095.6	1096.2	1096.7	1097.3	1097.7
165°	1117.8	1116.5	1117.0	1117.3	1117.8	1118.1	1118.7	1119.3	1119.8	1120.4	1121.1
167.5°	1136.5	1135.3	1135.2	1135.2	1135.2	1135.1	1135.6	1136.4	1137.3	1138.1	1138.9
170°	1146.7	1145.4	1145.2	1145.0	1144.9	1144.6	1145.0	1146.0	1147.0	1148.1	1149.1
172.5°	1154.1	1152.6	1152.6	1152.6	1152.5	1152.5	1152.9	1153.8	1154.6	1155.4	1156.3
175°	1162.2	1160.8	1161.0	1161.2	1161.4	1161.6	1162.2	1163.2	1164.2	1165.2	1166.2
177.5°	1167.0	1165.8	1165.8	1165.8	1165.8	1165.8	1166.3	1167.1	1167.9	1168.7	1169.5
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1730.0	1735.7	1743.1	1755.7	1760.2	1765.9	1773.9	1773.3	1775.6	1784.1	1802.4
5°	1736.4	1758.5	1779.9	1805.5	1832.6	1850.4	1874.6	1889.5	1904.5	1923.7	1956.4
7.5°	1739.0	1774.1	1813.2	1858.2	1898.2	1944.4	1980.4	2014.3	2044.9	2085.4	2124.5
10°	1735.0	1782.0	1832.6	1889.5	1950.0	2001.3	2047.5	2100.2	2145.1	2194.2	2238.4
12.5°	1727.6	1784.3	1851.9	1915.8	1986.5	2062.3	2120.0	2173.2	2232.8	2289.4	2357.4
15°	1710.8	1788.4	1867.4	1951.4	2046.1	2133.7	2217.1	2286.1	2350.2	2434.9	2523.9
17.5°	1689.4	1773.2	1872.9	1974.5	2073.5	2173.6	2276.7	2380.5	2461.4	2566.6	2636.3
20°	1669.6	1766.4	1868.8	1989.9	2088.8	2213.5	2316.0	2416.4	2527.5	2632.1	2715.3
22.5°	1641.6	1747.6	1856.4	1976.8	2107.1	2231.7	2350.2	2459.1	2570.2	2684.0	2784.9
25°	1606.1	1702.3	1831.1	1967.8	2097.4	2232.7	2368.7	2505.4	2624.9	2745.3	2839.3
27.5°	1545.8	1667.1	1787.2	1928.2	2072.2	2225.3	2370.7	2513.7	2639.1	2738.0	2796.2
30°	1515.0	1620.4	1750.7	1892.4	2048.3	2212.8	2364.4	2504.6	2621.5	2700.5	2723.9
32.5°	1469.5	1578.2	1705.7	1852.5	2017.5	2186.6	2344.5	2476.7	2574.1	2615.6	2587.2
35°	1401.9	1500.1	1629.0	1779.1	1950.7	2130.8	2286.8	2398.5	2448.4	2409.2	2311.7
37.5°	1320.7	1418.1	1547.5	1695.1	1872.6	2055.7	2196.6	2277.1	2260.6	2163.2	2017.9
40°	1263.7	1354.9	1478.0	1637.4	1810.5	1994.2	2118.1	2161.5	2115.9	1976.4	1821.9
42.5°	1200.5	1289.3	1413.1	1566.8	1750.2	1919.6	2027.5	2031.0	1954.7	1787.9	1632.8
45°	1104.2	1188.9	1305.7	1465.9	1635.4	1794.8	1866.0	1831.1	1690.1	1529.3	1373.3
47.5°	1009.2	1082.7	1197.7	1349.9	1510.7	1645.0	1680.3	1617.6	1467.3	1311.2	1166.6
50°	939.8	1013.8	1122.0	1267.3	1422.5	1538.6	1555.6	1472.3	1324.9	1167.6	1054.4
52.5°	873.2	946.6	1050.9	1185.3	1327.4	1432.0	1432.6	1336.2	1189.4	1049.1	943.9
55°	775.3	841.5	935.5	1055.8	1182.6	1264.4	1244.5	1144.8	1017.4	895.6	803.8
57.5°	681.1	738.7	825.3	925.7	1037.3	1104.8	1071.7	975.8	862.0	758.8	689.2
60°	620.1	674.9	748.9	843.6	937.6	990.3	959.0	872.2	767.5	684.2	623.7
62.5°	560.9	607.2	678.3	760.5	847.7	886.6	858.7	773.0	682.6	607.3	558.2
65°	477.0	514.8	571.7	642.2	705.5	739.0	715.5	635.8	566.7	512.6	473.4
67.5°	398.7	428.2	471.3	527.8	581.7	599.8	578.4	522.9	464.3	421.1	393.4
70°	344.6	372.4	408.7	452.1	499.1	518.3	497.0	452.8	405.1	365.2	338.1
72.5°	297.3	318.8	349.5	386.6	423.3	442.6	428.0	385.6	345.3	315.7	292.6
75°	226.4	245.0	266.3	292.6	321.1	333.9	321.1	291.9	264.1	242.1	225.7
77.5°	164.6	174.6	191.1	210.7	228.5	238.4	227.3	207.5	190.6	175.4	167.3
80°	125.3	132.4	143.8	159.4	171.6	180.8	173.7	157.3	143.8	133.8	130.3
82.5°	91.1	95.9	103.3	115.0	123.1	127.9	124.8	112.9	107.4	98.5	95.0
85°	44.9	47.7	52.7	56.3	63.4	64.1	64.8	59.8	54.8	52.7	49.8
87.5°	16.3	17.4	19.5	21.7	24.3	25.2	25.0	25.3	23.4	23.0	21.0
90°	4.9	7.1	9.4	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3
92.5°	21.8	24.4	26.9	29.4	31.3	32.4	33.5	34.7	35.8	36.5	37.2
95°	56.0	57.8	59.7	61.4	63.0	64.5	65.8	67.2	68.7	69.3	69.8
97.5°	96.1	97.6	99.0	100.5	102.0	103.6	105.3	106.9	108.6	109.3	110.0
100°	127.2	128.0	128.9	129.7	131.0	132.8	134.6	136.4	138.2	138.6	139.0
102.5°	160.1	160.3	160.7	161.0	161.9	163.6	165.2	166.9	168.5	169.2	169.7
105°	210.7	210.9	211.1	211.2	211.8	212.6	213.4	214.2	215.0	215.6	216.2
107.5°	264.0	264.2	264.5	264.7	264.9	265.0	265.2	265.3	265.4	266.0	266.5
110°	300.3	300.7	301.1	301.5	301.6	301.4	301.2	301.0	300.8	300.4	300.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	337.6	337.7	337.7	337.8	337.7	337.3	337.0	336.6	336.3	336.2	336.1
115°	393.9	393.9	393.9	393.9	393.7	393.2	392.9	392.4	392.1	391.8	391.6
117.5°	447.1	447.3	447.5	447.6	447.5	447.3	447.0	446.7	446.4	445.8	445.1
120°	483.2	484.0	484.8	485.6	485.7	485.1	484.5	483.9	483.3	482.3	481.3
122.5°	519.6	519.9	520.2	520.5	520.6	520.2	520.0	519.7	519.4	518.7	518.1
125°	573.6	573.6	573.6	573.6	573.5	573.3	573.1	572.9	572.7	572.3	571.9
127.5°	623.6	624.1	624.7	625.4	625.5	625.2	624.8	624.6	624.2	623.8	623.4
130°	658.3	658.8	659.4	660.0	660.3	660.3	660.3	660.3	660.3	660.0	659.5
132.5°	693.5	693.9	694.4	694.8	694.9	694.8	694.6	694.5	694.3	693.9	693.5
135°	741.0	742.3	743.4	744.7	745.3	745.3	745.3	745.3	745.3	744.8	744.5
137.5°	791.3	791.9	792.5	793.0	793.4	793.8	794.2	794.4	794.8	794.2	793.7
140°	825.2	825.5	826.0	826.3	826.5	826.5	826.5	826.5	826.5	826.3	826.2
142.5°	856.2	856.7	857.0	857.5	857.6	857.4	857.2	857.1	856.9	856.8	856.8
145°	899.6	900.4	901.3	902.1	902.5	902.8	902.9	903.1	903.3	903.1	902.9
147.5°	942.4	943.4	944.3	945.3	945.7	945.6	945.4	945.2	945.0	944.9	944.8
150°	968.3	969.1	969.9	970.7	971.1	971.1	971.1	971.1	971.1	971.1	971.1
152.5°	992.6	993.0	993.5	994.0	994.3	994.4	994.6	994.8	995.0	995.4	995.9
155°	1029.8	1029.8	1029.8	1029.8	1029.7	1029.5	1029.3	1029.1	1028.9	1029.7	1030.6
157.5°	1061.2	1060.9	1060.5	1060.2	1060.0	1059.9	1059.9	1059.8	1059.8	1060.4	1061.0
160°	1080.2	1080.0	1079.8	1079.6	1079.4	1079.1	1079.0	1078.8	1078.6	1079.1	1079.8
162.5°	1097.3	1096.7	1096.2	1095.6	1095.3	1095.1	1094.9	1094.7	1094.5	1095.6	1096.6
165°	1120.4	1119.8	1119.3	1118.7	1118.1	1117.8	1117.3	1117.0	1116.5	1117.8	1118.9
167.5°	1138.1	1137.3	1136.4	1135.6	1135.1	1135.2	1135.2	1135.2	1135.3	1136.5	1137.7
170°	1148.1	1147.0	1146.0	1145.0	1144.6	1144.9	1145.0	1145.2	1145.4	1146.7	1147.8
172.5°	1155.4	1154.6	1153.8	1152.9	1152.5	1152.5	1152.6	1152.6	1152.6	1154.1	1155.4
175°	1165.2	1164.2	1163.2	1162.2	1161.6	1161.4	1161.2	1161.0	1160.8	1162.2	1163.6
177.5°	1168.7	1167.9	1167.1	1166.3	1165.8	1165.8	1165.8	1165.8	1165.8	1167.0	1168.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1811.5	1812.7	1817.8	1821.8	1822.9	1828.5	1829.2
5°	1970.7	1982.8	2006.3	2008.4	2012.0	2030.5	2016.2
7.5°	2157.2	2188.0	2208.5	2226.6	2233.1	2241.2	2239.5
10°	2276.8	2322.4	2345.2	2381.5	2382.9	2392.2	2386.5
12.5°	2397.0	2450.0	2491.5	2498.2	2528.7	2533.4	2541.4
15°	2567.3	2623.5	2681.2	2701.9	2743.9	2753.9	2769.5
17.5°	2727.4	2784.9	2825.3	2878.7	2895.9	2919.0	2903.3
20°	2815.0	2877.7	2929.0	2971.0	2988.7	3001.6	3000.2
22.5°	2868.0	2931.2	2972.8	3004.6	3021.2	3026.6	3026.4
25°	2901.2	2937.5	2950.3	2962.4	2943.9	2937.5	2940.3
27.5°	2809.0	2799.5	2766.1	2722.2	2676.6	2640.4	2620.8
30°	2681.9	2626.4	2575.9	2487.5	2442.0	2414.9	2390.8
32.5°	2502.0	2414.0	2316.7	2235.8	2184.0	2143.9	2137.9
35°	2193.5	2061.1	1942.2	1843.3	1792.0	1748.6	1738.6
37.5°	1864.9	1727.3	1620.2	1533.1	1478.0	1447.4	1418.8
40°	1646.7	1528.6	1423.2	1349.2	1307.2	1285.0	1267.3
42.5°	1478.7	1370.8	1266.0	1209.6	1171.6	1158.1	1147.6
45°	1246.6	1146.2	1073.6	1030.9	1008.8	986.1	975.4
47.5°	1060.8	979.1	931.2	894.9	871.3	857.7	851.0
50°	955.5	888.5	845.8	818.1	796.7	786.0	780.3
52.5°	862.0	807.1	771.2	749.1	734.6	726.7	724.5
55°	742.5	700.5	677.8	658.5	647.9	640.8	637.9
57.5°	645.4	613.1	594.6	578.8	574.7	568.7	566.7
60°	581.7	556.8	541.1	530.4	526.8	519.7	521.1
62.5°	525.3	504.9	491.5	485.4	480.7	474.7	476.7
65°	444.3	429.3	422.2	416.5	410.8	407.2	410.1
67.5°	372.7	362.6	352.8	349.6	346.7	346.2	343.1
70°	326.1	317.5	309.0	306.8	306.8	304.0	303.3
72.5°	281.1	274.8	269.1	267.5	265.3	266.4	263.4
75°	217.1	212.1	210.0	207.9	207.1	207.1	205.0
77.5°	160.5	156.8	153.4	153.4	150.8	149.8	149.5
80°	121.7	120.3	117.4	117.4	116.0	116.7	115.3
82.5°	91.6	89.5	89.0	87.8	85.9	86.0	84.6
85°	49.1	47.0	46.3	44.1	42.7	44.1	42.7
87.5°	21.8	21.5	21.0	20.0	19.5	19.6	17.9
90°	23.5	24.7	25.5	25.9	26.3	26.7	27.1
92.5°	37.9	38.7	39.1	39.4	39.6	39.9	40.1
95°	70.4	71.1	71.3	71.3	71.3	71.3	71.3
97.5°	110.8	111.5	111.8	111.8	111.8	111.8	111.8
100°	139.4	139.8	140.0	140.0	140.0	140.0	140.0
102.5°	170.2	170.9	171.2	171.3	171.5	171.7	171.8
105°	216.8	217.4	218.0	218.6	219.2	219.8	220.4
107.5°	267.1	267.7	267.9	267.9	267.9	267.8	267.8
110°	299.6	299.2	299.3	299.9	300.5	301.1	301.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	336.0	335.9	335.9	336.1	336.2	336.3	336.4
115°	391.5	391.3	391.0	390.8	390.7	390.5	390.2
117.5°	444.3	443.7	443.2	442.7	442.4	441.9	441.6
120°	480.3	479.3	478.9	479.4	479.7	480.2	480.5
122.5°	517.4	516.7	515.9	515.2	514.5	513.8	513.1
125°	571.5	571.1	570.7	570.3	569.9	569.5	569.1
127.5°	623.0	622.6	622.2	621.9	621.6	621.3	621.0
130°	659.2	658.7	658.2	657.4	656.6	655.8	655.0
132.5°	693.1	692.7	692.3	692.1	691.7	691.3	691.1
135°	744.0	743.7	743.2	742.5	741.9	741.4	740.7
137.5°	793.2	792.6	792.5	792.6	792.7	792.8	792.9
140°	826.0	825.7	825.5	825.4	825.2	824.9	824.7
142.5°	856.8	856.8	856.7	856.7	856.7	856.6	856.6
145°	902.8	902.5	902.1	901.5	900.9	900.4	899.7
147.5°	944.6	944.4	944.2	944.1	943.9	943.6	943.4
150°	971.1	971.1	971.0	970.8	970.6	970.4	970.2
152.5°	996.4	996.8	996.8	996.3	995.8	995.2	994.8
155°	1031.4	1032.2	1032.2	1031.4	1030.6	1029.7	1028.9
157.5°	1061.6	1062.2	1062.2	1061.5	1060.8	1060.2	1059.4
160°	1080.4	1081.0	1080.8	1079.8	1078.8	1077.8	1076.7
162.5°	1097.7	1098.9	1098.9	1097.9	1096.9	1095.8	1094.8
165°	1120.2	1121.3	1121.5	1120.7	1119.9	1119.1	1118.3
167.5°	1138.9	1140.1	1140.1	1138.9	1137.6	1136.4	1135.1
170°	1149.1	1150.2	1150.1	1148.8	1147.4	1145.9	1144.5
172.5°	1156.7	1158.2	1158.1	1156.7	1155.3	1153.9	1152.4
175°	1165.0	1166.4	1166.4	1165.0	1163.6	1162.2	1160.8
177.5°	1169.2	1170.4	1170.3	1168.9	1167.7	1166.4	1165.1
180°	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1	1168.1

(END OF REPORT)