

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: P333599-840

Luminaire Tested: **S125RDIP-S1090D1035U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333599-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S1090D1035U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7919.7 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

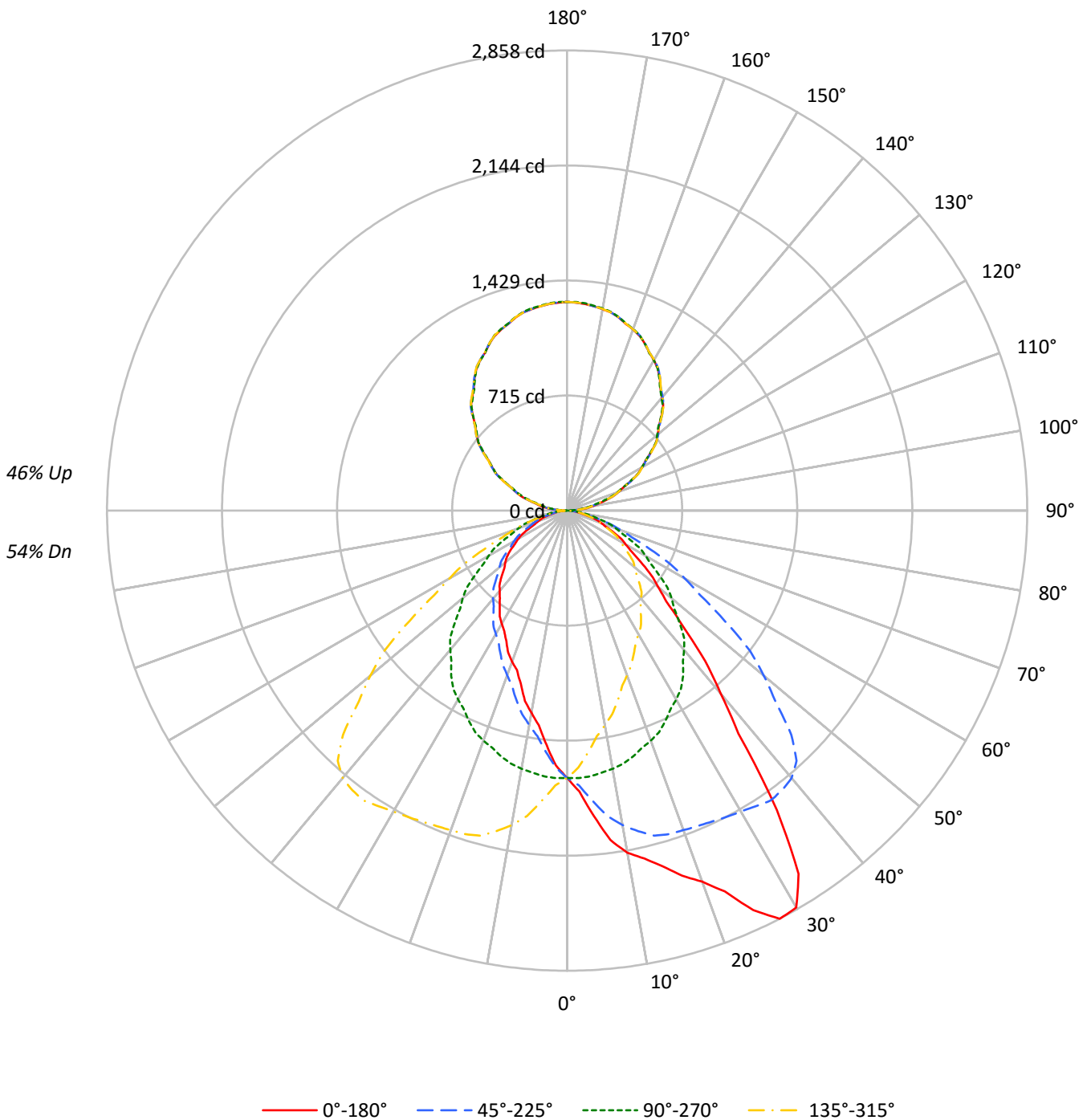
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	71	64	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	63	57	59	55	51	51	47	44	43	40	38	34
4	76	66	58	52	70	61	54	49	53	48	44	46	41	38	38	36	33	30
5	70	59	51	45	65	55	48	42	48	42	38	41	37	33	35	32	29	26
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	32	28	26	23
7	60	48	40	34	55	45	38	33	39	33	29	34	29	26	29	26	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	27	23	27	23	21	18
9	52	40	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

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

	0°	90°	180°	270°
0°	10723	10723	10723	10723
5°	12337	10738	9483	10738
10°	14152	10683	8368	10683
15°	15285	10573	7438	10573
20°	16855	10446	6868	10446
25°	19506	10278	6372	10278
30°	21227	10100	6049	10100
35°	17906	9894	5750	9894
40°	12505	9522	5493	9522
45°	9276	9020	5242	9020
50°	7396	8499	5027	8499
55°	6277	7851	4835	7851
60°	5424	7272	4525	7272
65°	4834	6645	3895	6645
70°	4247	6086	3552	6086
75°	3673	5273	3334	5273
80°	2786	4437	2786	4437
85°	2319	3490	2623	3490



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.2	2.0
10°-20°	466.6	5.9
20°-30°	739.8	9.3
30°-40°	892.2	11.3
40°-50°	796.7	10.1
50°-60°	611.0	7.7
60°-70°	397.1	5.0
70°-80°	193.0	2.4
80°-90°	48.9	0.6
90°-100°	86.8	1.1
100°-110°	256.2	3.2
110°-120°	434.0	5.5
120°-130°	571.2	7.2
130°-140°	640.0	8.1
140°-150°	627.3	7.9
150°-160°	526.9	6.7
160°-170°	350.2	4.4
170°-180°	122.6	1.5
0°-30°	1365.7	17.2
0°-40°	2257.9	28.5
0°-60°	3665.6	46.3
0°-90°	4304.6	54.4
90°-120°	777.0	9.8
90°-150°	2615.5	33.0
90°-180°	3615.0	45.6
0°-180°	7919.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1660	1660	1660	1660	1660	
5°	1903	1656	1463	1656	1903	190
15°	2286	1581	1112	1581	2286	655
25°	2737	1442	894	1442	2737	1257
35°	2271	1255	729	1255	2271	1372
45°	1016	988	574	988	1016	810
55°	558	697	429	697	558	506
65°	316	435	255	435	316	315
75°	147	211	134	211	147	157
85°	31	47	35	47	31	37
90°	24	1	24	1	24	15
95°	87	66	87	66	87	88
105°	250	230	250	230	250	265
115°	439	434	439	434	439	434
125°	638	634	638	634	638	570
135°	828	825	828	825	828	638
145°	1003	999	1003	999	1003	626
155°	1143	1143	1143	1143	1143	526
165°	1240	1243	1240	1243	1240	350
175°	1288	1292	1288	1292	1288	122
180°	1296	1296	1296	1296	1296	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1746.6	1745.5	1747.7	1741.6	1742.2	1732.9	1732.9	1725.9	1716.6	1709.5	1706.2
5°	1903.0	1904.4	1901.7	1891.5	1884.6	1874.4	1862.8	1842.4	1825.3	1809.0	1796.0
7.5°	2064.2	2065.1	2056.1	2053.0	2035.8	2023.3	1997.5	1969.6	1945.0	1913.7	1889.7
10°	2158.0	2157.3	2147.7	2140.2	2125.3	2106.2	2080.9	2048.2	2017.5	1983.5	1950.8
12.5°	2212.5	2210.7	2207.7	2198.6	2184.6	2167.8	2146.4	2114.2	2076.4	2039.1	2000.9
15°	2286.1	2281.3	2272.5	2260.9	2241.1	2221.3	2197.5	2168.9	2132.7	2090.4	2055.1
17.5°	2377.1	2377.3	2363.7	2347.5	2320.7	2285.8	2249.0	2202.8	2153.7	2107.3	2069.5
20°	2452.4	2450.3	2436.7	2405.4	2374.7	2331.1	2288.9	2232.2	2172.2	2111.6	2064.6
22.5°	2560.4	2555.1	2540.8	2499.7	2452.2	2396.0	2331.4	2262.2	2189.7	2120.8	2059.1
25°	2737.3	2733.2	2705.2	2657.6	2590.8	2504.2	2419.6	2324.9	2220.7	2130.0	2055.1
27.5°	2858.3	2853.9	2833.2	2793.5	2731.9	2640.8	2526.4	2399.7	2269.6	2144.9	2036.8
30°	2846.4	2856.6	2853.9	2835.5	2789.1	2707.3	2601.7	2459.2	2304.5	2158.0	2029.1
32.5°	2675.1	2684.3	2708.3	2744.4	2747.1	2714.4	2635.4	2504.0	2343.8	2177.1	2023.2
35°	2271.1	2283.4	2329.8	2402.7	2498.1	2577.8	2594.1	2523.2	2379.4	2200.2	2014.2
37.5°	1746.0	1813.0	1852.1	1928.8	2073.1	2219.7	2360.8	2412.8	2351.5	2190.7	1999.5
40°	1483.2	1499.5	1569.0	1655.6	1777.0	1929.7	2130.7	2275.8	2280.7	2168.9	1976.6
42.5°	1269.4	1290.1	1337.9	1406.9	1510.9	1663.6	1871.2	2062.6	2151.4	2108.9	1946.6
45°	1015.6	1031.3	1066.0	1119.2	1198.9	1325.0	1503.6	1725.2	1901.0	1969.8	1866.2
47.5°	834.2	842.7	873.0	913.5	972.5	1064.4	1202.6	1394.9	1605.9	1753.7	1739.2
50°	736.1	745.7	768.8	799.5	849.3	927.0	1037.4	1197.6	1415.0	1595.6	1631.7
52.5°	659.7	667.7	682.2	711.1	752.2	811.9	901.1	1046.0	1241.6	1433.7	1517.2
55°	557.5	563.0	574.6	591.0	623.7	666.6	743.7	843.8	1002.0	1195.5	1318.2
57.5°	473.3	476.1	483.4	498.6	521.2	552.5	608.1	693.1	806.5	980.8	1116.2
60°	419.9	422.6	432.1	442.3	460.1	488.7	532.3	591.6	700.6	844.6	981.5
62.5°	377.3	379.0	383.0	393.2	408.8	430.9	465.2	513.6	600.4	726.7	856.1
65°	316.3	316.9	318.3	326.5	336.0	352.3	374.9	409.0	474.4	569.9	684.3
67.5°	257.6	258.6	263.4	266.2	276.2	284.8	298.0	324.1	370.1	434.4	523.5
70°	224.9	224.3	229.0	232.5	235.8	246.1	254.9	276.1	304.7	353.8	428.1
72.5°	194.4	192.6	194.7	195.9	200.4	207.3	216.2	229.1	251.3	285.1	341.9
75°	147.2	147.9	147.9	149.3	152.7	155.4	158.1	164.9	177.2	199.8	230.4
77.5°	103.3	102.2	105.1	105.5	107.6	110.6	112.9	115.6	120.7	129.9	145.7
80°	74.9	74.9	75.6	77.7	77.1	78.4	81.8	84.5	90.7	96.1	101.6
82.5°	57.6	57.0	57.7	58.1	58.0	59.3	60.5	61.1	63.4	66.1	69.9
85°	31.3	31.3	32.0	32.0	32.7	32.7	33.4	33.4	33.4	34.0	34.7
87.5°	16.9	16.2	15.5	15.3	15.8	16.7	15.9	15.1	14.9	14.6	14.9
90°	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4	17.3	16.2	14.5
92.5°	47.6	47.1	46.6	46.2	45.6	44.6	43.1	41.7	40.2	38.7	36.8
95°	86.7	86.2	85.8	85.3	84.9	83.9	82.3	80.8	79.2	77.7	75.4
97.5°	131.5	131.2	131.0	130.7	130.4	129.6	128.1	126.5	125.1	123.6	120.5
100°	165.3	164.9	164.4	164.0	163.6	162.3	160.3	158.2	156.2	154.2	151.4
102.5°	199.2	198.6	197.9	197.3	196.7	195.3	193.1	190.9	188.7	186.5	185.0
105°	250.0	249.3	248.7	248.0	247.3	246.3	245.0	243.7	242.3	241.0	239.6
107.5°	302.1	302.2	302.2	302.2	302.3	301.9	301.2	300.5	299.9	299.2	298.2
110°	340.7	341.0	341.2	341.4	341.6	341.4	340.7	340.1	339.4	338.7	338.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	378.7	379.1	379.5	379.9	380.3	380.3	380.0	379.7	379.4	379.1	378.2
115°	438.6	438.8	439.0	439.2	439.5	439.7	439.9	440.1	440.4	440.6	440.1
117.5°	497.1	498.0	498.9	499.7	500.6	501.0	500.8	500.6	500.5	500.3	499.9
120°	537.3	538.3	539.2	540.1	541.0	541.4	541.4	541.4	541.4	541.4	541.2
122.5°	577.7	578.5	579.2	579.9	580.6	581.0	581.2	581.4	581.6	581.7	581.2
125°	638.2	638.4	638.6	638.8	639.0	639.4	639.9	640.4	640.8	641.3	641.0
127.5°	696.3	696.7	697.1	697.6	698.0	698.4	698.6	698.8	699.0	699.3	699.0
130°	735.0	735.4	735.9	736.3	736.8	737.1	737.3	737.5	737.8	738.0	737.5
132.5°	771.2	771.9	772.5	773.2	773.8	774.2	774.5	774.7	774.9	775.1	775.2
135°	827.7	828.6	829.5	830.4	831.3	831.7	831.7	831.7	831.7	831.7	831.5
137.5°	883.0	884.1	885.2	886.4	887.5	887.9	887.6	887.4	887.1	886.8	886.4
140°	918.5	919.6	920.7	921.8	922.9	923.3	922.8	922.4	921.9	921.5	920.8
142.5°	952.3	953.5	954.6	955.7	956.8	957.3	956.9	956.7	956.4	956.1	955.3
145°	1003.2	1003.8	1004.5	1005.2	1005.8	1006.2	1006.2	1006.2	1006.2	1006.2	1005.5
147.5°	1046.5	1048.0	1049.6	1051.1	1052.6	1053.1	1052.6	1052.0	1051.5	1051.0	1050.4
150°	1078.7	1079.2	1079.6	1080.2	1080.6	1080.8	1080.8	1080.8	1080.8	1080.8	1079.8
152.5°	1105.4	1106.2	1107.0	1107.8	1108.6	1108.7	1108.2	1107.7	1107.1	1106.6	1106.2
155°	1143.3	1144.4	1145.5	1146.7	1147.8	1147.9	1147.0	1146.1	1145.2	1144.3	1144.1
157.5°	1175.0	1176.4	1177.9	1179.4	1180.8	1181.1	1180.2	1179.3	1178.5	1177.6	1177.4
160°	1196.7	1197.9	1199.0	1200.1	1201.2	1201.3	1200.4	1199.5	1198.6	1197.7	1197.5
162.5°	1215.3	1216.6	1217.9	1219.2	1220.5	1220.6	1219.5	1218.4	1217.4	1216.3	1216.3
165°	1240.1	1241.4	1242.7	1244.2	1245.5	1245.7	1244.8	1243.9	1243.0	1242.1	1241.8
167.5°	1259.8	1261.2	1262.6	1264.0	1265.4	1265.5	1264.0	1262.7	1261.4	1260.0	1260.0
170°	1270.3	1271.9	1273.4	1275.1	1276.6	1276.7	1275.4	1274.0	1272.7	1271.3	1271.3
172.5°	1279.2	1280.6	1282.0	1283.3	1284.8	1284.8	1283.4	1282.1	1280.7	1279.4	1279.4
175°	1287.5	1289.0	1290.6	1292.2	1293.7	1293.8	1292.5	1291.2	1289.8	1288.5	1288.5
177.5°	1292.3	1293.5	1294.8	1296.1	1297.4	1297.4	1296.4	1295.3	1294.2	1293.1	1293.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1706.2	1702.3	1695.3	1688.7	1680.5	1673.4	1668.6	1662.5	1655.0	1645.7	1638.0
5°	1781.7	1766.7	1747.0	1729.9	1708.1	1691.0	1673.3	1656.3	1639.2	1617.4	1598.3
7.5°	1865.4	1834.4	1804.3	1766.5	1732.1	1701.4	1671.9	1642.1	1613.0	1582.0	1552.2
10°	1916.6	1879.2	1837.6	1789.9	1746.3	1704.7	1666.5	1629.0	1589.5	1554.7	1517.2
12.5°	1964.7	1916.2	1868.7	1808.5	1756.1	1705.3	1656.7	1609.9	1567.7	1522.6	1482.4
15°	2008.0	1960.2	1907.1	1833.5	1760.6	1699.2	1641.9	1581.3	1528.8	1478.3	1433.4
17.5°	2024.8	1974.7	1913.0	1842.2	1762.5	1685.4	1611.5	1545.1	1483.3	1424.5	1373.9
20°	2018.2	1969.8	1906.4	1839.0	1753.7	1673.3	1593.6	1519.9	1451.2	1389.1	1335.2
22.5°	2002.4	1952.4	1891.2	1819.9	1739.0	1653.7	1568.5	1490.0	1417.9	1353.6	1294.9
25°	1978.7	1910.6	1847.9	1778.3	1701.3	1616.8	1528.8	1442.3	1365.2	1299.8	1235.8
27.5°	1954.0	1869.0	1789.2	1720.1	1638.7	1563.3	1478.5	1389.8	1308.8	1242.1	1176.4
30°	1931.7	1836.2	1748.3	1669.9	1592.9	1521.4	1440.9	1354.3	1271.2	1202.3	1135.6
32.5°	1903.8	1802.4	1705.8	1615.4	1541.1	1470.1	1397.2	1314.5	1233.6	1162.6	1094.7
35°	1869.0	1739.5	1634.5	1538.3	1455.9	1387.0	1321.6	1254.9	1173.8	1100.1	1034.0
37.5°	1823.1	1676.2	1554.7	1450.1	1363.0	1293.9	1242.2	1181.2	1107.2	1036.7	975.3
40°	1795.3	1630.4	1497.4	1393.9	1302.5	1229.6	1181.2	1129.4	1062.0	995.8	934.4
42.5°	1758.3	1588.4	1439.7	1331.7	1239.8	1169.6	1120.6	1075.4	1018.9	956.5	890.8
45°	1685.6	1507.0	1350.9	1235.1	1142.4	1073.5	1027.8	987.6	944.7	887.5	830.2
47.5°	1590.9	1422.1	1258.8	1132.3	1041.5	977.5	933.2	901.5	870.8	822.1	766.5
50°	1515.2	1352.3	1192.8	1070.2	973.3	912.6	871.1	845.9	817.9	773.7	727.3
52.5°	1425.7	1280.3	1124.1	998.7	907.4	850.5	810.5	785.4	762.3	726.2	682.0
55°	1284.9	1157.4	1014.2	900.4	816.6	759.3	721.1	697.3	683.7	653.0	618.2
57.5°	1122.2	1030.9	904.6	794.9	720.7	664.2	636.2	615.9	600.5	578.9	554.3
60°	1008.8	944.7	831.5	727.3	659.1	605.2	580.1	563.0	548.7	530.3	511.2
62.5°	893.7	847.1	748.7	659.1	596.4	551.3	527.7	512.3	495.8	483.4	464.8
65°	739.5	697.9	629.8	559.6	501.7	465.5	448.5	434.8	424.6	411.0	398.1
67.5°	575.3	558.4	511.3	462.9	421.3	389.2	374.5	365.0	352.6	344.5	335.6
70°	474.4	466.3	432.8	400.8	361.9	340.1	326.5	322.3	307.4	299.2	293.1
72.5°	385.0	381.1	361.9	339.7	312.4	293.3	280.6	276.1	266.5	259.9	256.0
75°	263.8	265.2	261.8	247.4	237.2	224.9	214.0	211.3	204.5	199.0	195.6
77.5°	166.8	173.8	174.1	173.4	169.4	161.8	157.3	155.3	148.6	146.5	145.7
80°	114.5	122.0	128.9	128.2	126.7	124.7	121.3	119.3	115.8	113.8	112.5
82.5°	76.3	83.3	89.0	92.7	92.4	90.4	88.1	87.2	86.4	84.9	84.6
85°	36.2	37.5	39.5	44.3	47.7	48.4	47.7	47.1	44.9	45.6	46.4
87.5°	15.1	14.8	15.0	14.7	13.8	16.2	17.5	17.7	17.0	16.2	15.5
90°	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0	2.8	4.5	6.4
92.5°	34.8	32.9	31.0	29.4	28.2	26.9	25.7	24.4	25.7	26.9	28.2
95°	73.1	70.9	68.7	67.4	66.9	66.4	65.9	65.5	65.9	66.4	66.9
97.5°	117.4	114.3	111.3	109.6	109.5	109.3	109.1	108.9	109.1	109.3	109.5
100°	148.5	145.5	142.6	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2
102.5°	183.6	182.1	180.6	179.5	178.5	177.6	176.7	175.8	176.7	177.6	178.5
105°	238.2	236.9	235.6	234.4	233.3	232.1	231.0	229.8	231.0	232.1	233.3
107.5°	297.2	296.1	295.1	294.1	293.0	291.8	290.6	289.5	290.6	291.8	293.0
110°	337.4	336.7	336.1	335.2	334.1	333.0	331.8	330.7	331.8	333.0	334.1





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	377.4	376.6	375.7	375.0	374.4	373.8	373.2	372.6	373.2	373.8	374.4
115°	439.7	439.2	438.8	438.1	437.3	436.4	435.5	434.5	435.5	436.4	437.3
117.5°	499.5	499.1	498.7	498.3	497.9	497.5	497.1	496.7	497.1	497.5	497.9
120°	541.0	540.7	540.5	539.9	538.8	537.6	536.4	535.3	536.4	537.6	538.8
122.5°	580.6	580.0	579.4	579.0	578.6	578.1	577.7	577.3	577.7	578.1	578.6
125°	640.8	640.6	640.4	639.5	638.2	636.8	635.5	634.2	635.5	636.8	638.2
127.5°	698.7	698.5	698.2	697.7	696.9	696.2	695.4	694.7	695.4	696.2	696.9
130°	737.1	736.7	736.2	735.4	734.3	733.2	732.1	730.9	732.1	733.2	734.3
132.5°	775.3	775.4	775.5	774.6	772.7	770.9	769.1	767.2	769.1	770.9	772.7
135°	831.3	831.1	830.9	830.1	828.7	827.4	826.1	824.8	826.1	827.4	828.7
137.5°	885.9	885.3	884.8	883.9	882.6	881.3	880.0	878.8	880.0	881.3	882.6
140°	920.2	919.5	918.8	917.9	916.8	915.6	914.5	913.4	914.5	915.6	916.8
142.5°	954.5	953.6	952.8	951.9	950.9	950.0	949.1	948.1	949.1	950.0	950.9
145°	1004.8	1004.2	1003.5	1002.7	1001.8	1000.9	1000.1	999.2	1000.1	1000.9	1001.8
147.5°	1049.9	1049.4	1048.8	1048.2	1047.8	1047.3	1046.8	1046.3	1046.8	1047.3	1047.8
150°	1079.0	1078.1	1077.2	1076.9	1077.1	1077.3	1077.5	1077.7	1077.5	1077.3	1077.1
152.5°	1105.9	1105.5	1105.2	1104.8	1104.5	1104.2	1103.9	1103.6	1103.9	1104.2	1104.5
155°	1143.9	1143.7	1143.4	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3
157.5°	1177.1	1176.9	1176.7	1176.8	1177.3	1177.8	1178.3	1178.8	1178.3	1177.8	1177.3
160°	1197.3	1197.1	1196.9	1197.1	1197.7	1198.4	1199.1	1199.7	1199.1	1198.4	1197.7
162.5°	1216.2	1216.2	1216.1	1216.4	1216.8	1217.3	1217.8	1218.3	1217.8	1217.3	1216.8
165°	1241.6	1241.4	1241.2	1241.3	1241.7	1242.2	1242.6	1243.1	1242.6	1242.2	1241.7
167.5°	1260.0	1260.0	1260.0	1260.5	1261.4	1262.3	1263.1	1264.0	1263.1	1262.3	1261.4
170°	1271.3	1271.3	1271.3	1271.8	1272.7	1273.5	1274.4	1275.4	1274.4	1273.5	1272.7
172.5°	1279.4	1279.4	1279.4	1279.9	1280.7	1281.6	1282.5	1283.4	1282.5	1281.6	1280.7
175°	1288.5	1288.5	1288.5	1288.9	1289.8	1290.7	1291.6	1292.5	1291.6	1290.7	1289.8
177.5°	1293.4	1293.6	1293.8	1294.2	1294.9	1295.8	1296.5	1297.2	1296.5	1295.8	1294.9
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



TEST NUMBER: P333599-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1632.5	1625.0	1619.5	1608.6	1600.9	1597.7	1591.6	1590.0	1596.0	1591.6	1591.1
5°	1584.1	1564.3	1548.6	1532.9	1515.9	1505.0	1488.6	1485.9	1481.8	1475.6	1474.3
7.5°	1525.8	1500.1	1479.9	1454.0	1431.5	1413.4	1392.9	1383.2	1378.0	1370.0	1359.4
10°	1486.5	1455.9	1428.7	1402.7	1374.8	1352.3	1331.8	1316.2	1306.0	1296.4	1292.3
12.5°	1447.8	1416.6	1381.7	1350.4	1319.2	1293.9	1271.3	1261.1	1249.8	1238.6	1229.1
15°	1387.8	1346.2	1308.0	1271.8	1245.3	1218.0	1196.2	1181.2	1164.2	1159.4	1141.0
17.5°	1323.9	1283.1	1238.5	1200.4	1169.6	1139.6	1115.6	1098.6	1085.8	1068.2	1059.8
20°	1284.1	1235.8	1192.1	1157.4	1123.3	1087.8	1063.3	1048.9	1036.7	1022.4	1015.6
22.5°	1241.6	1194.3	1149.6	1108.8	1074.2	1039.4	1021.9	1007.0	993.1	979.9	970.9
25°	1179.1	1131.5	1084.4	1042.2	1006.0	980.8	960.4	943.3	935.8	922.9	913.3
27.5°	1117.4	1066.7	1017.9	975.7	947.5	922.5	905.7	892.2	878.7	867.4	859.1
30°	1077.6	1025.8	972.6	939.3	909.3	885.3	867.0	854.0	843.8	833.6	827.5
32.5°	1037.8	984.4	937.2	901.1	872.7	852.1	833.1	820.8	810.0	798.7	791.4
35°	974.0	919.5	881.3	845.9	817.9	798.8	785.9	768.2	759.3	751.1	743.7
37.5°	914.7	864.0	822.7	791.6	767.3	748.4	731.6	722.1	711.1	703.8	697.5
40°	871.1	824.8	787.3	754.6	736.8	715.7	700.0	687.7	679.5	670.0	663.2
42.5°	831.8	788.7	752.3	722.9	700.8	683.0	667.8	655.6	645.2	638.4	632.7
45°	776.4	733.4	697.9	670.7	650.3	633.2	617.5	611.4	597.7	589.6	586.8
47.5°	718.9	680.5	646.3	621.2	600.3	584.1	569.4	556.8	549.4	541.3	536.9
50°	680.2	643.4	611.4	586.8	566.4	548.7	535.0	526.8	516.6	509.2	503.7
52.5°	641.6	607.4	575.4	552.0	534.2	516.5	501.3	493.1	483.4	478.6	474.8
55°	586.2	550.1	522.8	499.6	481.2	464.8	450.5	442.3	436.3	431.4	430.1
57.5°	523.5	494.8	469.5	448.6	429.5	414.1	401.6	393.8	388.4	387.7	383.6
60°	482.6	456.7	433.5	411.0	394.7	380.3	369.4	360.5	355.1	354.5	353.0
62.5°	441.7	416.9	395.4	375.6	360.8	347.1	336.7	326.8	323.5	320.1	317.1
65°	381.0	358.5	340.8	325.1	309.4	297.8	287.6	281.6	274.0	269.9	262.5
67.5°	321.4	304.0	287.0	273.8	261.5	250.4	242.0	232.9	227.8	224.5	219.0
70°	282.2	268.5	251.6	237.2	227.6	218.8	212.0	201.8	198.3	195.6	192.9
72.5°	245.1	233.1	218.8	207.2	197.6	189.3	181.5	176.6	173.3	170.6	169.0
75°	192.9	181.3	169.1	160.9	154.0	147.2	143.1	139.8	138.4	137.6	134.9
77.5°	141.7	135.5	125.7	119.2	114.6	111.9	108.3	106.4	106.3	103.3	102.4
80°	108.4	104.9	96.7	94.0	90.7	88.0	85.8	82.5	79.1	77.7	75.6
82.5°	80.6	77.2	73.9	69.5	66.7	65.0	63.0	61.7	62.2	60.3	59.3
85°	42.9	39.5	38.2	37.5	36.2	37.5	36.8	36.2	35.4	34.7	35.4
87.5°	15.2	15.7	15.3	16.8	15.5	16.4	16.6	16.3	16.5	16.7	16.3
90°	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4	19.5	20.6	21.5
92.5°	29.4	31.0	32.9	34.8	36.8	38.7	40.2	41.7	43.1	44.6	45.6
95°	67.4	68.7	70.9	73.1	75.4	77.7	79.2	80.8	82.3	83.9	84.9
97.5°	109.6	111.3	114.3	117.4	120.5	123.6	125.1	126.5	128.1	129.6	130.4
100°	141.2	142.6	145.5	148.5	151.4	154.2	156.2	158.2	160.3	162.3	163.6
102.5°	179.5	180.6	182.1	183.6	185.0	186.5	188.7	190.9	193.1	195.3	196.7
105°	234.4	235.6	236.9	238.2	239.6	241.0	242.3	243.7	245.0	246.3	247.3
107.5°	294.1	295.1	296.1	297.2	298.2	299.2	299.9	300.5	301.2	301.9	302.3
110°	335.2	336.1	336.7	337.4	338.1	338.7	339.4	340.1	340.7	341.4	341.6



TEST NUMBER: P333599-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	375.0	375.7	376.6	377.4	378.2	379.1	379.4	379.7	380.0	380.3	380.3
115°	438.1	438.8	439.2	439.7	440.1	440.6	440.4	440.1	439.9	439.7	439.5
117.5°	498.3	498.7	499.1	499.5	499.9	500.3	500.5	500.6	500.8	501.0	500.6
120°	539.9	540.5	540.7	541.0	541.2	541.4	541.4	541.4	541.4	541.4	541.0
122.5°	579.0	579.4	580.0	580.6	581.2	581.7	581.6	581.4	581.2	581.0	580.6
125°	639.5	640.4	640.6	640.8	641.0	641.3	640.8	640.4	639.9	639.4	639.0
127.5°	697.7	698.2	698.5	698.7	699.0	699.3	699.0	698.8	698.6	698.4	698.0
130°	735.4	736.2	736.7	737.1	737.5	738.0	737.8	737.5	737.3	737.1	736.8
132.5°	774.6	775.5	775.4	775.3	775.2	775.1	774.9	774.7	774.5	774.2	773.8
135°	830.1	830.9	831.1	831.3	831.5	831.7	831.7	831.7	831.7	831.7	831.3
137.5°	883.9	884.8	885.3	885.9	886.4	886.8	887.1	887.4	887.6	887.9	887.5
140°	917.9	918.8	919.5	920.2	920.8	921.5	921.9	922.4	922.8	923.3	922.9
142.5°	951.9	952.8	953.6	954.5	955.3	956.1	956.4	956.7	956.9	957.3	956.8
145°	1002.7	1003.5	1004.2	1004.8	1005.5	1006.2	1006.2	1006.2	1006.2	1006.2	1005.8
147.5°	1048.2	1048.8	1049.4	1049.9	1050.4	1051.0	1051.5	1052.0	1052.6	1053.1	1052.6
150°	1076.9	1077.2	1078.1	1079.0	1079.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.6
152.5°	1104.8	1105.2	1105.5	1105.9	1106.2	1106.6	1107.1	1107.7	1108.2	1108.7	1108.6
155°	1143.3	1143.4	1143.7	1143.9	1144.1	1144.3	1145.2	1146.1	1147.0	1147.9	1147.8
157.5°	1176.8	1176.7	1176.9	1177.1	1177.4	1177.6	1178.5	1179.3	1180.2	1181.1	1180.8
160°	1197.1	1196.9	1197.1	1197.3	1197.5	1197.7	1198.6	1199.5	1200.4	1201.3	1201.2
162.5°	1216.4	1216.1	1216.2	1216.2	1216.3	1216.3	1217.4	1218.4	1219.5	1220.6	1220.5
165°	1241.3	1241.2	1241.4	1241.6	1241.8	1242.1	1243.0	1243.9	1244.8	1245.7	1245.5
167.5°	1260.5	1260.0	1260.0	1260.0	1260.0	1260.0	1261.4	1262.7	1264.0	1265.5	1265.4
170°	1271.8	1271.3	1271.3	1271.3	1271.3	1271.3	1272.7	1274.0	1275.4	1276.7	1276.6
172.5°	1279.9	1279.4	1279.4	1279.4	1279.4	1279.4	1280.7	1282.1	1283.4	1284.8	1284.8
175°	1288.9	1288.5	1288.5	1288.5	1288.5	1288.5	1289.8	1291.2	1292.5	1293.8	1293.7
177.5°	1294.2	1293.8	1293.6	1293.4	1293.3	1293.1	1294.2	1295.3	1296.4	1297.4	1297.4
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



TEST NUMBER: P333599-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1590.5	1584.6	1583.0	1585.1	1583.0	1584.6	1590.5	1591.1	1591.6	1596.0	1590.0
5°	1467.5	1460.7	1464.1	1462.7	1464.1	1460.7	1467.5	1474.3	1475.6	1481.8	1485.9
7.5°	1359.3	1350.8	1341.8	1344.6	1341.8	1350.8	1359.3	1359.4	1370.0	1378.0	1383.2
10°	1283.4	1276.7	1272.5	1276.0	1272.5	1276.7	1283.4	1292.3	1296.4	1306.0	1316.2
12.5°	1219.6	1215.6	1212.0	1210.5	1212.0	1215.6	1219.6	1229.1	1238.6	1249.8	1261.1
15°	1132.9	1124.7	1121.3	1112.4	1121.3	1124.7	1132.9	1141.0	1159.4	1164.2	1181.2
17.5°	1052.8	1050.1	1041.2	1037.4	1041.2	1050.1	1052.8	1059.8	1068.2	1085.8	1098.6
20°	1005.3	1002.6	993.8	999.3	993.8	1002.6	1005.3	1015.6	1022.4	1036.7	1048.9
22.5°	966.1	960.1	957.3	955.6	957.3	960.1	966.1	970.9	979.9	993.1	1007.0
25°	910.6	901.7	898.4	894.2	898.4	901.7	910.6	913.3	922.9	935.8	943.3
27.5°	855.3	850.5	846.0	845.0	846.0	850.5	855.3	859.1	867.4	878.7	892.2
30°	819.3	814.6	811.1	811.1	811.1	814.6	819.3	827.5	833.6	843.8	854.0
32.5°	787.1	783.5	780.0	779.5	780.0	783.5	787.1	791.4	798.7	810.0	820.8
35°	740.2	734.8	733.4	729.3	733.4	734.8	740.2	743.7	751.1	759.3	768.2
37.5°	691.6	687.0	686.9	686.5	686.9	687.0	691.6	697.5	703.8	711.1	722.1
40°	660.5	657.0	656.4	651.6	656.4	657.0	660.5	663.2	670.0	679.5	687.7
42.5°	627.2	625.4	623.1	621.1	623.1	625.4	627.2	632.7	638.4	645.2	655.6
45°	582.1	577.3	577.3	573.9	577.3	577.3	582.1	586.8	589.6	597.7	611.4
47.5°	535.4	531.8	532.2	528.7	532.2	531.8	535.4	536.9	541.3	549.4	556.8
50°	504.4	502.3	501.7	500.3	501.7	502.3	504.4	503.7	509.2	516.6	526.8
52.5°	473.3	472.3	474.9	471.9	474.9	472.3	473.3	474.8	478.6	483.4	493.1
55°	431.4	429.4	433.5	429.4	433.5	429.4	431.4	430.1	431.4	436.3	442.3
57.5°	383.3	381.4	385.1	383.0	385.1	381.4	383.3	383.6	387.7	388.4	393.8
60°	351.7	347.6	349.6	350.3	349.6	347.6	351.7	353.0	354.5	355.1	360.5
62.5°	314.1	311.6	313.2	310.0	313.2	311.6	314.1	317.1	320.1	323.5	326.8
65°	261.1	259.0	256.3	254.9	256.3	259.0	261.1	262.5	269.9	274.0	281.6
67.5°	219.3	214.4	214.3	215.4	214.3	214.4	219.3	219.0	224.5	227.8	232.9
70°	188.8	188.8	188.1	188.1	188.1	188.8	188.8	192.9	195.6	198.3	201.8
72.5°	167.5	167.0	165.7	165.2	165.7	167.0	167.5	169.0	170.6	173.3	176.6
75°	134.9	135.6	134.3	133.6	134.3	135.6	134.9	134.9	137.6	138.4	139.8
77.5°	99.7	96.7	98.3	96.7	98.3	96.7	99.7	102.4	103.3	106.3	106.4
80°	75.6	74.9	77.1	74.9	77.1	74.9	75.6	75.6	77.7	79.1	82.5
82.5°	59.9	59.2	60.1	58.6	60.1	59.2	59.9	59.3	60.3	62.2	61.7
85°	36.2	35.4	34.7	35.4	34.7	35.4	36.2	35.4	34.7	35.4	36.2
87.5°	17.0	16.6	16.7	16.9	16.7	16.6	17.0	16.3	16.7	16.5	16.3
90°	22.2	22.8	23.5	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4
92.5°	46.2	46.6	47.1	47.6	47.1	46.6	46.2	45.6	44.6	43.1	41.7
95°	85.3	85.8	86.2	86.7	86.2	85.8	85.3	84.9	83.9	82.3	80.8
97.5°	130.7	131.0	131.2	131.5	131.2	131.0	130.7	130.4	129.6	128.1	126.5
100°	164.0	164.4	164.9	165.3	164.9	164.4	164.0	163.6	162.3	160.3	158.2
102.5°	197.3	197.9	198.6	199.2	198.6	197.9	197.3	196.7	195.3	193.1	190.9
105°	248.0	248.7	249.3	250.0	249.3	248.7	248.0	247.3	246.3	245.0	243.7
107.5°	302.2	302.2	302.2	302.1	302.2	302.2	302.2	302.3	301.9	301.2	300.5
110°	341.4	341.2	341.0	340.7	341.0	341.2	341.4	341.6	341.4	340.7	340.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	379.9	379.5	379.1	378.7	379.1	379.5	379.9	380.3	380.3	380.0	379.7
115°	439.2	439.0	438.8	438.6	438.8	439.0	439.2	439.5	439.7	439.9	440.1
117.5°	499.7	498.9	498.0	497.1	498.0	498.9	499.7	500.6	501.0	500.8	500.6
120°	540.1	539.2	538.3	537.3	538.3	539.2	540.1	541.0	541.4	541.4	541.4
122.5°	579.9	579.2	578.5	577.7	578.5	579.2	579.9	580.6	581.0	581.2	581.4
125°	638.8	638.6	638.4	638.2	638.4	638.6	638.8	639.0	639.4	639.9	640.4
127.5°	697.6	697.1	696.7	696.3	696.7	697.1	697.6	698.0	698.4	698.6	698.8
130°	736.3	735.9	735.4	735.0	735.4	735.9	736.3	736.8	737.1	737.3	737.5
132.5°	773.2	772.5	771.9	771.2	771.9	772.5	773.2	773.8	774.2	774.5	774.7
135°	830.4	829.5	828.6	827.7	828.6	829.5	830.4	831.3	831.7	831.7	831.7
137.5°	886.4	885.2	884.1	883.0	884.1	885.2	886.4	887.5	887.9	887.6	887.4
140°	921.8	920.7	919.6	918.5	919.6	920.7	921.8	922.9	923.3	922.8	922.4
142.5°	955.7	954.6	953.5	952.3	953.5	954.6	955.7	956.8	957.3	956.9	956.7
145°	1005.2	1004.5	1003.8	1003.2	1003.8	1004.5	1005.2	1005.8	1006.2	1006.2	1006.2
147.5°	1051.1	1049.6	1048.0	1046.5	1048.0	1049.6	1051.1	1052.6	1053.1	1052.6	1052.0
150°	1080.2	1079.6	1079.2	1078.7	1079.2	1079.6	1080.2	1080.6	1080.8	1080.8	1080.8
152.5°	1107.8	1107.0	1106.2	1105.4	1106.2	1107.0	1107.8	1108.6	1108.7	1108.2	1107.7
155°	1146.7	1145.5	1144.4	1143.3	1144.4	1145.5	1146.7	1147.8	1147.9	1147.0	1146.1
157.5°	1179.4	1177.9	1176.4	1175.0	1176.4	1177.9	1179.4	1180.8	1181.1	1180.2	1179.3
160°	1200.1	1199.0	1197.9	1196.7	1197.9	1199.0	1200.1	1201.2	1201.3	1200.4	1199.5
162.5°	1219.2	1217.9	1216.6	1215.3	1216.6	1217.9	1219.2	1220.5	1220.6	1219.5	1218.4
165°	1244.2	1242.7	1241.4	1240.1	1241.4	1242.7	1244.2	1245.5	1245.7	1244.8	1243.9
167.5°	1264.0	1262.6	1261.2	1259.8	1261.2	1262.6	1264.0	1265.4	1265.5	1264.0	1262.7
170°	1275.1	1273.4	1271.9	1270.3	1271.9	1273.4	1275.1	1276.6	1276.7	1275.4	1274.0
172.5°	1283.3	1282.0	1280.6	1279.2	1280.6	1282.0	1283.3	1284.8	1284.8	1283.4	1282.1
175°	1292.2	1290.6	1289.0	1287.5	1289.0	1290.6	1292.2	1293.7	1293.8	1292.5	1291.2
177.5°	1296.1	1294.8	1293.5	1292.3	1293.5	1294.8	1296.1	1297.4	1297.4	1296.4	1295.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1591.6	1597.7	1600.9	1608.6	1619.5	1625.0	1632.5	1638.0	1645.7	1655.0	1662.5
5°	1488.6	1505.0	1515.9	1532.9	1548.6	1564.3	1584.1	1598.3	1617.4	1639.2	1656.3
7.5°	1392.9	1413.4	1431.5	1454.0	1479.9	1500.1	1525.8	1552.2	1582.0	1613.0	1642.1
10°	1331.8	1352.3	1374.8	1402.7	1428.7	1455.9	1486.5	1517.2	1554.7	1589.5	1629.0
12.5°	1271.3	1293.9	1319.2	1350.4	1381.7	1416.6	1447.8	1482.4	1522.6	1567.7	1609.9
15°	1196.2	1218.0	1245.3	1271.8	1308.0	1346.2	1387.8	1433.4	1478.3	1528.8	1581.3
17.5°	1115.6	1139.6	1169.6	1200.4	1238.5	1283.1	1323.9	1373.9	1424.5	1483.3	1545.1
20°	1063.3	1087.8	1123.3	1157.4	1192.1	1235.8	1284.1	1335.2	1389.1	1451.2	1519.9
22.5°	1021.9	1039.4	1074.2	1108.8	1149.6	1194.3	1241.6	1294.9	1353.6	1417.9	1490.0
25°	960.4	980.8	1006.0	1042.2	1084.4	1131.5	1179.1	1235.8	1299.8	1365.2	1442.3
27.5°	905.7	922.5	947.5	975.7	1017.9	1066.7	1117.4	1176.4	1242.1	1308.8	1389.8
30°	867.0	885.3	909.3	939.3	972.6	1025.8	1077.6	1135.6	1202.3	1271.2	1354.3
32.5°	833.1	852.1	872.7	901.1	937.2	984.4	1037.8	1094.7	1162.6	1233.6	1314.5
35°	785.9	798.8	817.9	845.9	881.3	919.5	974.0	1034.0	1100.1	1173.8	1254.9
37.5°	731.6	748.4	767.3	791.6	822.7	864.0	914.7	975.3	1036.7	1107.2	1181.2
40°	700.0	715.7	736.8	754.6	787.3	824.8	871.1	934.4	995.8	1062.0	1129.4
42.5°	667.8	683.0	700.8	722.9	752.3	788.7	831.8	890.8	956.5	1018.9	1075.4
45°	617.5	633.2	650.3	670.7	697.9	733.4	776.4	830.2	887.5	944.7	987.6
47.5°	569.4	584.1	600.3	621.2	646.3	680.5	718.9	766.5	822.1	870.8	901.5
50°	535.0	548.7	566.4	586.8	611.4	643.4	680.2	727.3	773.7	817.9	845.9
52.5°	501.3	516.5	534.2	552.0	575.4	607.4	641.6	682.0	726.2	762.3	785.4
55°	450.5	464.8	481.2	499.6	522.8	550.1	586.2	618.2	653.0	683.7	697.3
57.5°	401.6	414.1	429.5	448.6	469.5	494.8	523.5	554.3	578.9	600.5	615.9
60°	369.4	380.3	394.7	411.0	433.5	456.7	482.6	511.2	530.3	548.7	563.0
62.5°	336.7	347.1	360.8	375.6	395.4	416.9	441.7	464.8	483.4	495.8	512.3
65°	287.6	297.8	309.4	325.1	340.8	358.5	381.0	398.1	411.0	424.6	434.8
67.5°	242.0	250.4	261.5	273.8	287.0	304.0	321.4	335.6	344.5	352.6	365.0
70°	212.0	218.8	227.6	237.2	251.6	268.5	282.2	293.1	299.2	307.4	322.3
72.5°	181.5	189.3	197.6	207.2	218.8	233.1	245.1	256.0	259.9	266.5	276.1
75°	143.1	147.2	154.0	160.9	169.1	181.3	192.9	195.6	199.0	204.5	211.3
77.5°	108.3	111.9	114.6	119.2	125.7	135.5	141.7	145.7	146.5	148.6	155.3
80°	85.8	88.0	90.7	94.0	96.7	104.9	108.4	112.5	113.8	115.8	119.3
82.5°	63.0	65.0	66.7	69.5	73.9	77.2	80.6	84.6	84.9	86.4	87.2
85°	36.8	37.5	36.2	37.5	38.2	39.5	42.9	46.4	45.6	44.9	47.1
87.5°	16.6	16.4	15.5	16.8	15.3	15.7	15.2	15.5	16.2	17.0	17.7
90°	17.3	16.2	14.5	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0
92.5°	40.2	38.7	36.8	34.8	32.9	31.0	29.4	28.2	26.9	25.7	24.4
95°	79.2	77.7	75.4	73.1	70.9	68.7	67.4	66.9	66.4	65.9	65.5
97.5°	125.1	123.6	120.5	117.4	114.3	111.3	109.6	109.5	109.3	109.1	108.9
100°	156.2	154.2	151.4	148.5	145.5	142.6	141.2	141.2	141.2	141.2	141.2
102.5°	188.7	186.5	185.0	183.6	182.1	180.6	179.5	178.5	177.6	176.7	175.8
105°	242.3	241.0	239.6	238.2	236.9	235.6	234.4	233.3	232.1	231.0	229.8
107.5°	299.9	299.2	298.2	297.2	296.1	295.1	294.1	293.0	291.8	290.6	289.5
110°	339.4	338.7	338.1	337.4	336.7	336.1	335.2	334.1	333.0	331.8	330.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.4	379.1	378.2	377.4	376.6	375.7	375.0	374.4	373.8	373.2	372.6
115°	440.4	440.6	440.1	439.7	439.2	438.8	438.1	437.3	436.4	435.5	434.5
117.5°	500.5	500.3	499.9	499.5	499.1	498.7	498.3	497.9	497.5	497.1	496.7
120°	541.4	541.4	541.2	541.0	540.7	540.5	539.9	538.8	537.6	536.4	535.3
122.5°	581.6	581.7	581.2	580.6	580.0	579.4	579.0	578.6	578.1	577.7	577.3
125°	640.8	641.3	641.0	640.8	640.6	640.4	639.5	638.2	636.8	635.5	634.2
127.5°	699.0	699.3	699.0	698.7	698.5	698.2	697.7	696.9	696.2	695.4	694.7
130°	737.8	738.0	737.5	737.1	736.7	736.2	735.4	734.3	733.2	732.1	730.9
132.5°	774.9	775.1	775.2	775.3	775.4	775.5	774.6	772.7	770.9	769.1	767.2
135°	831.7	831.7	831.5	831.3	831.1	830.9	830.1	828.7	827.4	826.1	824.8
137.5°	887.1	886.8	886.4	885.9	885.3	884.8	883.9	882.6	881.3	880.0	878.8
140°	921.9	921.5	920.8	920.2	919.5	918.8	917.9	916.8	915.6	914.5	913.4
142.5°	956.4	956.1	955.3	954.5	953.6	952.8	951.9	950.9	950.0	949.1	948.1
145°	1006.2	1006.2	1005.5	1004.8	1004.2	1003.5	1002.7	1001.8	1000.9	1000.1	999.2
147.5°	1051.5	1051.0	1050.4	1049.9	1049.4	1048.8	1048.2	1047.8	1047.3	1046.8	1046.3
150°	1080.8	1080.8	1079.8	1079.0	1078.1	1077.2	1076.9	1077.1	1077.3	1077.5	1077.7
152.5°	1107.1	1106.6	1106.2	1105.9	1105.5	1105.2	1104.8	1104.5	1104.2	1103.9	1103.6
155°	1145.2	1144.3	1144.1	1143.9	1143.7	1143.4	1143.3	1143.3	1143.3	1143.3	1143.3
157.5°	1178.5	1177.6	1177.4	1177.1	1176.9	1176.7	1176.8	1177.3	1177.8	1178.3	1178.8
160°	1198.6	1197.7	1197.5	1197.3	1197.1	1196.9	1197.1	1197.7	1198.4	1199.1	1199.7
162.5°	1217.4	1216.3	1216.3	1216.2	1216.2	1216.1	1216.4	1216.8	1217.3	1217.8	1218.3
165°	1243.0	1242.1	1241.8	1241.6	1241.4	1241.2	1241.3	1241.7	1242.2	1242.6	1243.1
167.5°	1261.4	1260.0	1260.0	1260.0	1260.0	1260.0	1260.5	1261.4	1262.3	1263.1	1264.0
170°	1272.7	1271.3	1271.3	1271.3	1271.3	1271.3	1271.8	1272.7	1273.5	1274.4	1275.4
172.5°	1280.7	1279.4	1279.4	1279.4	1279.4	1279.4	1279.9	1280.7	1281.6	1282.5	1283.4
175°	1289.8	1288.5	1288.5	1288.5	1288.5	1288.5	1288.9	1289.8	1290.7	1291.6	1292.5
177.5°	1294.2	1293.1	1293.3	1293.4	1293.6	1293.8	1294.2	1294.9	1295.8	1296.5	1297.2
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1668.6	1673.4	1680.5	1688.7	1695.3	1702.3	1706.2	1706.2	1709.5	1716.6	1725.9
5°	1673.3	1691.0	1708.1	1729.9	1747.0	1766.7	1781.7	1796.0	1809.0	1825.3	1842.4
7.5°	1671.9	1701.4	1732.1	1766.5	1804.3	1834.4	1865.4	1889.7	1913.7	1945.0	1969.6
10°	1666.5	1704.7	1746.3	1789.9	1837.6	1879.2	1916.6	1950.8	1983.5	2017.5	2048.2
12.5°	1656.7	1705.3	1756.1	1808.5	1868.7	1916.2	1964.7	2000.9	2039.1	2076.4	2114.2
15°	1641.9	1699.2	1760.6	1833.5	1907.1	1960.2	2008.0	2055.1	2090.4	2132.7	2168.9
17.5°	1611.5	1685.4	1762.5	1842.2	1913.0	1974.7	2024.8	2069.5	2107.3	2153.7	2202.8
20°	1593.6	1673.3	1753.7	1839.0	1906.4	1969.8	2018.2	2064.6	2111.6	2172.2	2232.2
22.5°	1568.5	1653.7	1739.0	1819.9	1891.2	1952.4	2002.4	2059.1	2120.8	2189.7	2262.2
25°	1528.8	1616.8	1701.3	1778.3	1847.9	1910.6	1978.7	2055.1	2130.0	2220.7	2324.9
27.5°	1478.5	1563.3	1638.7	1720.1	1789.2	1869.0	1954.0	2036.8	2144.9	2269.6	2399.7
30°	1440.9	1521.4	1592.9	1669.9	1748.3	1836.2	1931.7	2029.1	2158.0	2304.5	2459.2
32.5°	1397.2	1470.1	1541.1	1615.4	1705.8	1802.4	1903.8	2023.2	2177.1	2343.8	2504.0
35°	1321.6	1387.0	1455.9	1538.3	1634.5	1739.5	1869.0	2014.2	2200.2	2379.4	2523.2
37.5°	1242.2	1293.9	1363.0	1450.1	1554.7	1676.2	1823.1	1999.5	2190.7	2351.5	2412.8
40°	1181.2	1229.6	1302.5	1393.9	1497.4	1630.4	1795.3	1976.6	2168.9	2280.7	2275.8
42.5°	1120.6	1169.6	1239.8	1331.7	1439.7	1588.4	1758.3	1946.6	2108.9	2151.4	2062.6
45°	1027.8	1073.5	1142.4	1235.1	1350.9	1507.0	1685.6	1866.2	1969.8	1901.0	1725.2
47.5°	933.2	977.5	1041.5	1132.3	1258.8	1422.1	1590.9	1739.2	1753.7	1605.9	1394.9
50°	871.1	912.6	973.3	1070.2	1192.8	1352.3	1515.2	1631.7	1595.6	1415.0	1197.6
52.5°	810.5	850.5	907.4	998.7	1124.1	1280.3	1425.7	1517.2	1433.7	1241.6	1046.0
55°	721.1	759.3	816.6	900.4	1014.2	1157.4	1284.9	1318.2	1195.5	1002.0	843.8
57.5°	636.2	664.2	720.7	794.9	904.6	1030.9	1122.2	1116.2	980.8	806.5	693.1
60°	580.1	605.2	659.1	727.3	831.5	944.7	1008.8	981.5	844.6	700.6	591.6
62.5°	527.7	551.3	596.4	659.1	748.7	847.1	893.7	856.1	726.7	600.4	513.6
65°	448.5	465.5	501.7	559.6	629.8	697.9	739.5	684.3	569.9	474.4	409.0
67.5°	374.5	389.2	421.3	462.9	511.3	558.4	575.3	523.5	434.4	370.1	324.1
70°	326.5	340.1	361.9	400.8	432.8	466.3	474.4	428.1	353.8	304.7	276.1
72.5°	280.6	293.3	312.4	339.7	361.9	381.1	385.0	341.9	285.1	251.3	229.1
75°	214.0	224.9	237.2	247.4	261.8	265.2	263.8	230.4	199.8	177.2	164.9
77.5°	157.3	161.8	169.4	173.4	174.1	173.8	166.8	145.7	129.9	120.7	115.6
80°	121.3	124.7	126.7	128.2	128.9	122.0	114.5	101.6	96.1	90.7	84.5
82.5°	88.1	90.4	92.4	92.7	89.0	83.3	76.3	69.9	66.1	63.4	61.1
85°	47.7	48.4	47.7	44.3	39.5	37.5	36.2	34.7	34.0	33.4	33.4
87.5°	17.5	16.2	13.8	14.7	15.0	14.8	15.1	14.9	14.6	14.9	15.1
90°	2.8	4.5	6.4	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4
92.5°	25.7	26.9	28.2	29.4	31.0	32.9	34.8	36.8	38.7	40.2	41.7
95°	65.9	66.4	66.9	67.4	68.7	70.9	73.1	75.4	77.7	79.2	80.8
97.5°	109.1	109.3	109.5	109.6	111.3	114.3	117.4	120.5	123.6	125.1	126.5
100°	141.2	141.2	141.2	141.2	142.6	145.5	148.5	151.4	154.2	156.2	158.2
102.5°	176.7	177.6	178.5	179.5	180.6	182.1	183.6	185.0	186.5	188.7	190.9
105°	231.0	232.1	233.3	234.4	235.6	236.9	238.2	239.6	241.0	242.3	243.7
107.5°	290.6	291.8	293.0	294.1	295.1	296.1	297.2	298.2	299.2	299.9	300.5
110°	331.8	333.0	334.1	335.2	336.1	336.7	337.4	338.1	338.7	339.4	340.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.2	373.8	374.4	375.0	375.7	376.6	377.4	378.2	379.1	379.4	379.7
115°	435.5	436.4	437.3	438.1	438.8	439.2	439.7	440.1	440.6	440.4	440.1
117.5°	497.1	497.5	497.9	498.3	498.7	499.1	499.5	499.9	500.3	500.5	500.6
120°	536.4	537.6	538.8	539.9	540.5	540.7	541.0	541.2	541.4	541.4	541.4
122.5°	577.7	578.1	578.6	579.0	579.4	580.0	580.6	581.2	581.7	581.6	581.4
125°	635.5	636.8	638.2	639.5	640.4	640.6	640.8	641.0	641.3	640.8	640.4
127.5°	695.4	696.2	696.9	697.7	698.2	698.5	698.7	699.0	699.3	699.0	698.8
130°	732.1	733.2	734.3	735.4	736.2	736.7	737.1	737.5	738.0	737.8	737.5
132.5°	769.1	770.9	772.7	774.6	775.5	775.4	775.3	775.2	775.1	774.9	774.7
135°	826.1	827.4	828.7	830.1	830.9	831.1	831.3	831.5	831.7	831.7	831.7
137.5°	880.0	881.3	882.6	883.9	884.8	885.3	885.9	886.4	886.8	887.1	887.4
140°	914.5	915.6	916.8	917.9	918.8	919.5	920.2	920.8	921.5	921.9	922.4
142.5°	949.1	950.0	950.9	951.9	952.8	953.6	954.5	955.3	956.1	956.4	956.7
145°	1000.1	1000.9	1001.8	1002.7	1003.5	1004.2	1004.8	1005.5	1006.2	1006.2	1006.2
147.5°	1046.8	1047.3	1047.8	1048.2	1048.8	1049.4	1049.9	1050.4	1051.0	1051.5	1052.0
150°	1077.5	1077.3	1077.1	1076.9	1077.2	1078.1	1079.0	1079.8	1080.8	1080.8	1080.8
152.5°	1103.9	1104.2	1104.5	1104.8	1105.2	1105.5	1105.9	1106.2	1106.6	1107.1	1107.7
155°	1143.3	1143.3	1143.3	1143.3	1143.4	1143.7	1143.9	1144.1	1144.3	1145.2	1146.1
157.5°	1178.3	1177.8	1177.3	1176.8	1176.7	1176.9	1177.1	1177.4	1177.6	1178.5	1179.3
160°	1199.1	1198.4	1197.7	1197.1	1196.9	1197.1	1197.3	1197.5	1197.7	1198.6	1199.5
162.5°	1217.8	1217.3	1216.8	1216.4	1216.1	1216.2	1216.2	1216.3	1216.3	1217.4	1218.4
165°	1242.6	1242.2	1241.7	1241.3	1241.2	1241.4	1241.6	1241.8	1242.1	1243.0	1243.9
167.5°	1263.1	1262.3	1261.4	1260.5	1260.0	1260.0	1260.0	1260.0	1260.0	1261.4	1262.7
170°	1274.4	1273.5	1272.7	1271.8	1271.3	1271.3	1271.3	1271.3	1271.3	1272.7	1274.0
172.5°	1282.5	1281.6	1280.7	1279.9	1279.4	1279.4	1279.4	1279.4	1279.4	1280.7	1282.1
175°	1291.6	1290.7	1289.8	1288.9	1288.5	1288.5	1288.5	1288.5	1288.5	1289.8	1291.2
177.5°	1296.5	1295.8	1294.9	1294.2	1293.8	1293.6	1293.4	1293.3	1293.1	1294.2	1295.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1732.9	1732.9	1742.2	1741.6	1747.7	1745.5	1746.6
5°	1862.8	1874.4	1884.6	1891.5	1901.7	1904.4	1903.0
7.5°	1997.5	2023.3	2035.8	2053.0	2056.1	2065.1	2064.2
10°	2080.9	2106.2	2125.3	2140.2	2147.7	2157.3	2158.0
12.5°	2146.4	2167.8	2184.6	2198.6	2207.7	2210.7	2212.5
15°	2197.5	2221.3	2241.1	2260.9	2272.5	2281.3	2286.1
17.5°	2249.0	2285.8	2320.7	2347.5	2363.7	2377.3	2377.1
20°	2288.9	2331.1	2374.7	2405.4	2436.7	2450.3	2452.4
22.5°	2331.4	2396.0	2452.2	2499.7	2540.8	2555.1	2560.4
25°	2419.6	2504.2	2590.8	2657.6	2705.2	2733.2	2737.3
27.5°	2526.4	2640.8	2731.9	2793.5	2833.2	2853.9	2858.3
30°	2601.7	2707.3	2789.1	2835.5	2853.9	2856.6	2846.4
32.5°	2635.4	2714.4	2747.1	2744.4	2708.3	2684.3	2675.1
35°	2594.1	2577.8	2498.1	2402.7	2329.8	2283.4	2271.1
37.5°	2360.8	2219.7	2073.1	1928.8	1852.1	1813.0	1746.0
40°	2130.7	1929.7	1777.0	1655.6	1569.0	1499.5	1483.2
42.5°	1871.2	1663.6	1510.9	1406.9	1337.9	1290.1	1269.4
45°	1503.6	1325.0	1198.9	1119.2	1066.0	1031.3	1015.6
47.5°	1202.6	1064.4	972.5	913.5	873.0	842.7	834.2
50°	1037.4	927.0	849.3	799.5	768.8	745.7	736.1
52.5°	901.1	811.9	752.2	711.1	682.2	667.7	659.7
55°	743.7	666.6	623.7	591.0	574.6	563.0	557.5
57.5°	608.1	552.5	521.2	498.6	483.4	476.1	473.3
60°	532.3	488.7	460.1	442.3	432.1	422.6	419.9
62.5°	465.2	430.9	408.8	393.2	383.0	379.0	377.3
65°	374.9	352.3	336.0	326.5	318.3	316.9	316.3
67.5°	298.0	284.8	276.2	266.2	263.4	258.6	257.6
70°	254.9	246.1	235.8	232.5	229.0	224.3	224.9
72.5°	216.2	207.3	200.4	195.9	194.7	192.6	194.4
75°	158.1	155.4	152.7	149.3	147.9	147.9	147.2
77.5°	112.9	110.6	107.6	105.5	105.1	102.2	103.3
80°	81.8	78.4	77.1	77.7	75.6	74.9	74.9
82.5°	60.5	59.3	58.0	58.1	57.7	57.0	57.6
85°	33.4	32.7	32.7	32.0	32.0	31.3	31.3
87.5°	15.9	16.7	15.8	15.3	15.5	16.2	16.9
90°	19.5	20.6	21.5	22.2	22.8	23.5	24.2
92.5°	43.1	44.6	45.6	46.2	46.6	47.1	47.6
95°	82.3	83.9	84.9	85.3	85.8	86.2	86.7
97.5°	128.1	129.6	130.4	130.7	131.0	131.2	131.5
100°	160.3	162.3	163.6	164.0	164.4	164.9	165.3
102.5°	193.1	195.3	196.7	197.3	197.9	198.6	199.2
105°	245.0	246.3	247.3	248.0	248.7	249.3	250.0
107.5°	301.2	301.9	302.3	302.2	302.2	302.2	302.1
110°	340.7	341.4	341.6	341.4	341.2	341.0	340.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	380.0	380.3	380.3	379.9	379.5	379.1	378.7
115°	439.9	439.7	439.5	439.2	439.0	438.8	438.6
117.5°	500.8	501.0	500.6	499.7	498.9	498.0	497.1
120°	541.4	541.4	541.0	540.1	539.2	538.3	537.3
122.5°	581.2	581.0	580.6	579.9	579.2	578.5	577.7
125°	639.9	639.4	639.0	638.8	638.6	638.4	638.2
127.5°	698.6	698.4	698.0	697.6	697.1	696.7	696.3
130°	737.3	737.1	736.8	736.3	735.9	735.4	735.0
132.5°	774.5	774.2	773.8	773.2	772.5	771.9	771.2
135°	831.7	831.7	831.3	830.4	829.5	828.6	827.7
137.5°	887.6	887.9	887.5	886.4	885.2	884.1	883.0
140°	922.8	923.3	922.9	921.8	920.7	919.6	918.5
142.5°	956.9	957.3	956.8	955.7	954.6	953.5	952.3
145°	1006.2	1006.2	1005.8	1005.2	1004.5	1003.8	1003.2
147.5°	1052.6	1053.1	1052.6	1051.1	1049.6	1048.0	1046.5
150°	1080.8	1080.8	1080.6	1080.2	1079.6	1079.2	1078.7
152.5°	1108.2	1108.7	1108.6	1107.8	1107.0	1106.2	1105.4
155°	1147.0	1147.9	1147.8	1146.7	1145.5	1144.4	1143.3
157.5°	1180.2	1181.1	1180.8	1179.4	1177.9	1176.4	1175.0
160°	1200.4	1201.3	1201.2	1200.1	1199.0	1197.9	1196.7
162.5°	1219.5	1220.6	1220.5	1219.2	1217.9	1216.6	1215.3
165°	1244.8	1245.7	1245.5	1244.2	1242.7	1241.4	1240.1
167.5°	1264.0	1265.5	1265.4	1264.0	1262.6	1261.2	1259.8
170°	1275.4	1276.7	1276.6	1275.1	1273.4	1271.9	1270.3
172.5°	1283.4	1284.8	1284.8	1283.3	1282.0	1280.6	1279.2
175°	1292.5	1293.8	1293.7	1292.2	1290.6	1289.0	1287.5
177.5°	1296.4	1297.4	1297.4	1296.1	1294.8	1293.5	1292.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6

(END OF REPORT)