

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: P332355-840

Luminaire Tested: **S123RDIP-S1000D1195U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332355-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D1195U840-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8140.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

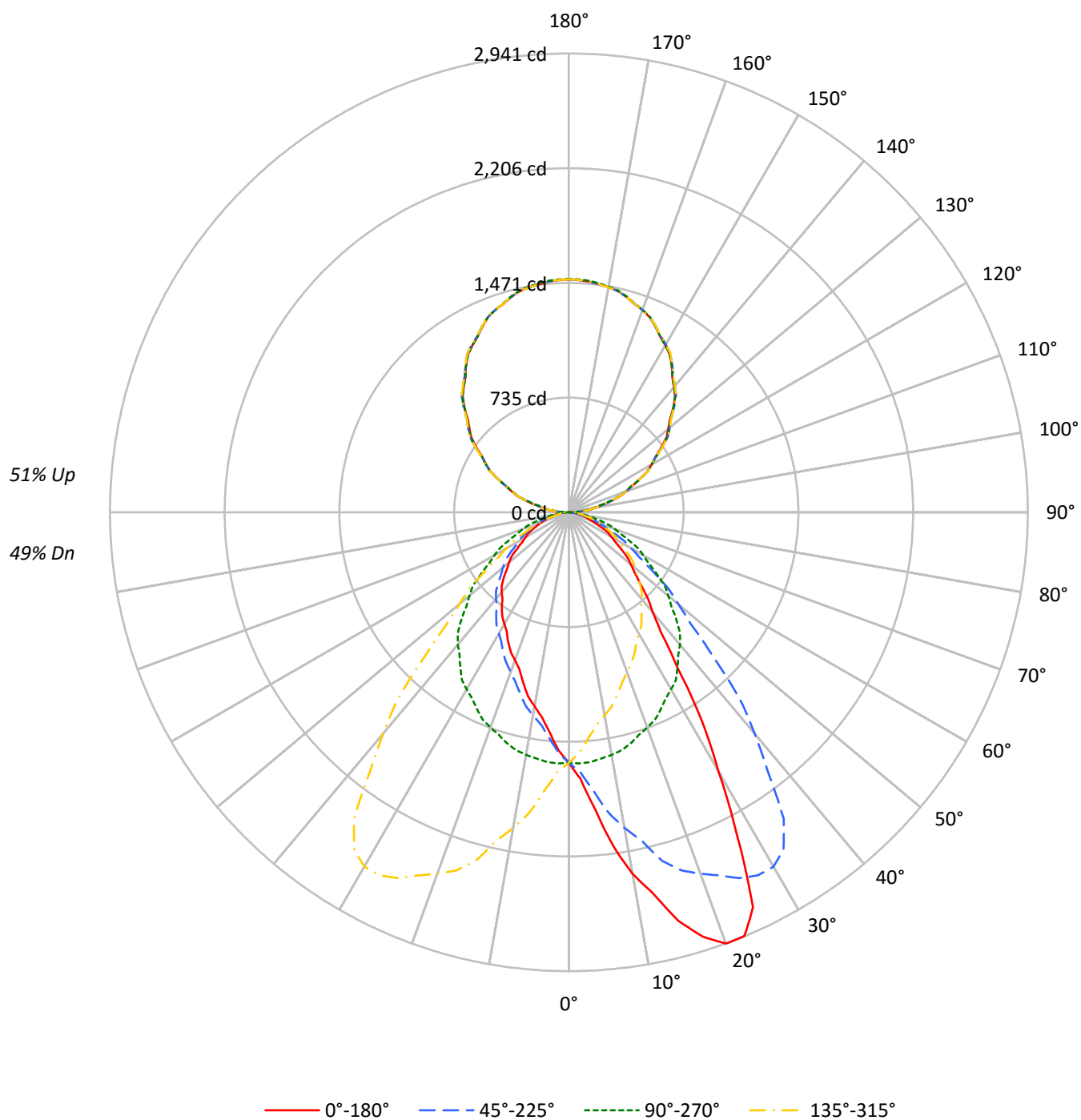
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55
1	98	94	90	87	90	87	84	81	73	71	69	61	60	58	50	49	48
2	90	83	77	72	83	77	72	67	65	61	58	54	52	49	45	43	41
3	82	73	66	61	76	68	62	57	58	53	50	49	45	43	40	38	36
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	36	33	31
5	70	58	51	45	64	54	47	42	47	41	37	39	35	32	33	30	28
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	24
7	59	48	40	34	55	44	38	33	38	33	29	33	29	25	27	24	22
8	55	43	36	31	51	40	34	29	35	30	26	30	26	23	25	22	20
9	52	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17280	17280	17280	17280
5°	20599	17354	15282	17354
10°	25719	17254	13806	17254
15°	30190	17079	12590	17079
20°	33693	16814	11557	16814
25°	33155	16537	10922	16537
30°	23832	16281	10268	16281
35°	15912	15948	9843	15948
40°	11724	15548	9405	15548
45°	9834	14845	8977	14845
50°	8678	13924	8378	13924
55°	7610	12872	7557	12872
60°	6777	11866	6923	11866
65°	5952	10781	6441	10781
70°	4674	9819	5882	9819
75°	4117	8576	5373	8576
80°	3583	7283	5281	7283
85°	2878	5866	5595	5866

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	1.9
10°-20°	493.2	6.1
20°-30°	774.9	9.5
30°-40°	808.4	9.9
40°-50°	691.8	8.5
50°-60°	527.3	6.5
60°-70°	338.0	4.2
70°-80°	162.6	2.0
80°-90°	47.4	0.6
90°-100°	97.3	1.2
100°-110°	291.2	3.6
110°-120°	495.4	6.1
120°-130°	651.6	8.0
130°-140°	732.3	9.0
140°-150°	719.9	8.8
150°-160°	606.0	7.4
160°-170°	403.4	5.0
170°-180°	141.3	1.7
0°-30°	1426.0	17.5
0°-40°	2234.4	27.4
0°-60°	3453.6	42.4
0°-90°	4001.6	49.2
90°-120°	883.9	10.9
90°-150°	2987.7	36.7
90°-180°	4138.0	50.8
0°-180°	8140.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1605	1605	1605	1605	1605	
5°	1906	1606	1414	1606	1906	197
15°	2709	1533	1130	1533	2709	768
25°	2792	1392	920	1392	2792	1200
35°	1211	1214	749	1214	1211	794
45°	646	975	590	975	646	508
55°	406	686	403	686	406	367
65°	234	423	253	423	234	230
75°	99	206	129	206	99	106
85°	23	48	45	48	23	28
90°	35	1	35	1	35	18
95°	92	69	92	69	92	94
105°	279	264	279	264	279	296
115°	500	499	500	499	500	495
125°	722	730	722	730	722	645
135°	946	947	946	947	946	727
145°	1149	1149	1149	1149	1149	717
155°	1313	1315	1313	1315	1313	605
165°	1428	1433	1428	1433	1428	403
175°	1484	1490	1484	1490	1484	141
180°	1494	1494	1494	1494	1494	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1709.9	1712.0	1705.0	1703.8	1695.6	1693.3	1693.3	1681.8	1674.7	1665.4	1659.8
5°	1906.4	1917.4	1911.9	1899.6	1879.0	1874.1	1861.1	1840.5	1817.1	1788.2	1774.4
7.5°	2151.9	2166.9	2161.1	2142.0	2120.4	2102.9	2066.2	2031.9	1984.0	1941.9	1905.9
10°	2353.1	2337.3	2324.9	2306.4	2286.4	2254.1	2215.6	2162.7	2101.6	2053.5	1999.9
12.5°	2503.8	2501.1	2485.5	2466.4	2438.2	2407.5	2360.3	2295.8	2224.7	2155.3	2093.9
15°	2709.2	2713.2	2702.9	2683.0	2643.1	2588.9	2517.4	2490.6	2388.8	2313.3	2237.7
17.5°	2851.3	2850.4	2849.0	2821.5	2780.8	2742.1	2675.8	2605.4	2513.3	2406.7	2304.9
20°	2941.4	2934.6	2935.9	2905.0	2874.8	2830.0	2765.5	2663.1	2587.5	2464.5	2359.3
22.5°	2939.2	2937.8	2943.0	2932.4	2910.5	2876.3	2825.4	2739.0	2642.4	2518.3	2400.0
25°	2791.6	2786.1	2818.4	2827.3	2862.4	2868.5	2853.5	2806.0	2714.6	2586.8	2440.4
27.5°	2336.3	2333.3	2393.3	2468.3	2563.4	2637.4	2708.9	2743.4	2714.6	2623.1	2476.4
30°	1917.4	1982.1	2012.3	2120.8	2241.8	2386.1	2512.5	2632.8	2662.4	2622.5	2502.2
32.5°	1592.0	1648.3	1673.5	1766.8	1879.5	2048.5	2238.3	2408.5	2528.8	2559.3	2486.9
35°	1210.9	1211.6	1269.3	1310.6	1415.0	1588.9	1773.1	2001.2	2228.1	2399.8	2417.7
37.5°	966.2	969.7	1004.6	1045.7	1124.1	1216.0	1378.2	1567.9	1829.9	2093.7	2248.3
40°	834.4	840.5	866.7	907.2	963.5	1032.9	1159.4	1338.1	1556.6	1850.1	2089.9
42.5°	749.6	759.7	773.2	804.4	839.3	904.2	1006.5	1144.6	1343.3	1620.8	1897.5
45°	646.0	651.5	661.9	676.2	707.8	753.3	821.9	914.7	1079.6	1303.0	1579.9
47.5°	569.9	566.9	577.8	589.6	610.6	641.5	687.5	763.3	880.9	1060.2	1295.1
50°	518.2	517.5	525.0	534.0	553.9	576.6	614.4	671.5	764.9	913.3	1128.4
52.5°	469.8	472.4	477.8	488.9	503.3	521.6	555.5	596.6	676.9	805.1	984.4
55°	405.5	407.6	415.1	421.3	431.6	450.1	471.4	505.8	560.8	650.2	797.9
57.5°	351.0	350.1	357.4	358.9	370.5	385.7	402.1	428.9	468.7	535.1	634.6
60°	314.8	312.7	318.9	323.7	329.9	342.2	356.0	382.1	413.7	462.5	547.8
62.5°	281.8	280.8	285.4	290.1	295.3	306.5	318.1	338.1	363.1	404.2	471.9
65°	233.7	235.7	237.8	239.8	242.6	249.4	260.4	274.2	291.3	320.2	369.0
67.5°	183.6	185.7	186.4	190.7	196.5	200.9	207.5	219.7	231.8	256.1	283.9
70°	148.5	147.7	148.5	150.5	158.0	165.6	174.6	183.5	191.1	208.2	231.6
72.5°	127.5	126.3	128.2	128.6	132.2	134.3	140.0	148.3	158.0	169.8	186.5
75°	99.0	99.0	99.0	99.0	101.7	103.1	105.1	107.2	110.7	116.1	128.6
77.5°	73.1	73.2	74.2	74.9	75.4	76.2	77.6	79.6	80.8	83.7	89.1
80°	57.8	58.4	57.8	58.4	58.4	59.8	60.5	62.5	63.2	66.7	68.8
82.5°	43.4	43.0	43.4	44.1	44.1	45.5	45.6	47.2	47.3	49.1	51.1
85°	23.3	22.0	23.3	22.7	24.0	22.7	23.3	24.7	24.7	25.4	28.2
87.5°	12.5	13.5	12.3	12.8	12.6	13.0	12.8	12.6	13.5	12.8	12.6
90°	35.2	34.6	34.1	33.6	33.1	32.3	31.3	30.3	29.2	28.2	24.7
92.5°	47.4	47.7	48.1	48.4	48.7	48.4	47.6	46.8	45.8	45.0	43.1
95°	91.5	91.5	91.5	91.5	91.5	91.0	90.0	88.9	87.9	86.8	84.7
97.5°	140.8	140.9	141.0	141.1	141.2	140.7	139.5	138.3	137.0	135.8	134.3
100°	178.3	177.8	177.3	176.8	176.2	175.6	174.8	174.0	173.3	172.5	171.2
102.5°	216.8	216.9	217.0	217.1	217.2	216.9	216.1	215.3	214.6	213.8	212.1
105°	279.2	278.7	278.2	277.7	277.2	276.9	276.9	276.9	276.9	276.9	274.6
107.5°	344.3	344.6	344.9	345.2	345.5	345.3	344.5	343.6	342.7	341.9	340.9
110°	388.4	388.9	389.4	389.9	390.4	390.2	389.2	388.1	387.1	386.1	385.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	435.4	435.5	435.6	435.7	435.8	435.2	433.9	432.6	431.4	430.1	430.0
115°	499.9	500.1	500.4	500.6	500.9	500.9	500.6	500.4	500.1	499.9	500.4
117.5°	565.3	566.0	566.7	567.5	568.3	568.7	568.7	568.8	568.8	568.9	569.6
120°	611.3	611.9	612.4	612.9	613.4	613.8	614.1	614.3	614.6	614.8	616.1
122.5°	655.4	656.1	656.9	657.6	658.3	659.0	659.7	660.5	661.1	661.8	662.5
125°	721.6	722.7	723.7	724.8	725.8	726.8	727.9	728.9	729.9	731.0	731.5
127.5°	787.6	788.7	789.9	791.1	792.3	793.7	795.2	796.6	798.1	799.5	800.1
130°	830.7	832.5	834.4	836.2	838.0	839.5	840.5	841.5	842.6	843.6	844.4
132.5°	875.8	877.2	878.6	880.0	881.4	882.7	884.0	885.2	886.5	887.8	888.3
135°	945.7	946.2	946.7	947.3	947.8	948.6	949.6	950.7	951.7	952.7	953.0
137.5°	1007.4	1008.5	1009.5	1010.4	1011.4	1012.4	1013.5	1014.6	1015.7	1016.8	1016.1
140°	1047.8	1049.7	1051.5	1053.3	1055.1	1056.1	1056.4	1056.6	1056.9	1057.2	1056.9
142.5°	1089.1	1090.6	1091.9	1093.3	1094.7	1095.6	1095.8	1096.1	1096.3	1096.6	1096.1
145°	1148.7	1149.7	1150.7	1151.9	1152.9	1153.6	1153.8	1154.1	1154.3	1154.6	1153.8
147.5°	1201.7	1203.3	1204.9	1206.4	1208.0	1208.8	1208.8	1208.8	1208.8	1208.8	1208.0
150°	1235.6	1237.1	1238.7	1240.2	1241.8	1242.5	1242.5	1242.5	1242.5	1242.5	1242.0
152.5°	1268.4	1269.7	1271.1	1272.4	1273.8	1274.2	1273.8	1273.4	1273.0	1272.6	1272.3
155°	1312.9	1314.8	1316.7	1318.5	1320.3	1320.7	1319.6	1318.6	1317.6	1316.5	1316.3
157.5°	1353.5	1355.0	1356.5	1358.0	1359.4	1359.6	1358.5	1357.4	1356.3	1355.2	1355.0
160°	1379.9	1380.9	1381.9	1383.0	1384.0	1383.9	1382.6	1381.3	1380.0	1378.7	1378.7
162.5°	1399.6	1401.2	1402.9	1404.5	1406.2	1406.4	1405.1	1403.8	1402.5	1401.2	1401.0
165°	1427.9	1429.8	1431.6	1433.4	1435.2	1435.4	1433.8	1432.3	1430.7	1429.2	1429.2
167.5°	1452.1	1453.7	1455.3	1456.9	1458.5	1458.5	1456.9	1455.3	1453.7	1452.1	1451.9
170°	1464.3	1466.1	1467.9	1469.9	1471.7	1471.7	1469.9	1467.9	1466.1	1464.3	1464.3
172.5°	1473.7	1475.5	1477.3	1479.1	1481.1	1481.2	1479.6	1477.9	1476.3	1474.7	1474.7
175°	1484.3	1486.1	1487.9	1489.8	1491.6	1491.7	1490.2	1488.5	1487.0	1485.4	1485.4
177.5°	1490.0	1491.4	1492.8	1494.3	1495.7	1495.8	1494.6	1493.4	1492.1	1490.9	1490.9
180°	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1657.6	1656.0	1648.3	1639.5	1627.9	1620.2	1614.2	1610.9	1601.0	1588.9	1580.6
5°	1760.0	1739.4	1717.5	1690.6	1665.9	1640.4	1624.7	1606.1	1583.4	1558.0	1540.1
7.5°	1869.8	1829.3	1785.7	1740.8	1696.4	1656.6	1621.3	1591.2	1555.1	1518.6	1493.1
10°	1953.9	1894.7	1833.6	1771.0	1713.9	1660.4	1619.1	1578.6	1535.3	1493.4	1461.8
12.5°	2030.2	1952.5	1882.0	1805.1	1732.1	1668.1	1608.7	1561.0	1508.9	1464.2	1428.3
15°	2127.0	2047.3	1962.1	1845.2	1748.4	1667.3	1595.1	1532.6	1469.4	1414.3	1379.3
17.5°	2217.5	2097.5	1983.0	1885.5	1759.6	1658.3	1570.2	1495.4	1426.0	1367.8	1324.6
20°	2254.8	2138.7	2014.3	1890.0	1766.3	1652.8	1550.4	1467.9	1395.8	1329.8	1290.0
22.5°	2277.3	2145.9	2014.9	1881.2	1749.7	1631.9	1530.7	1440.0	1361.7	1299.0	1249.8
25°	2303.6	2147.0	2002.7	1870.7	1736.7	1608.8	1488.5	1392.4	1307.9	1241.1	1188.9
27.5°	2321.0	2136.7	1966.1	1819.4	1683.4	1556.2	1445.9	1343.9	1258.2	1187.7	1131.7
30°	2324.3	2128.4	1938.0	1779.3	1641.1	1524.3	1407.4	1309.9	1219.2	1144.3	1092.1
32.5°	2328.6	2108.1	1900.1	1731.4	1590.0	1474.3	1368.5	1275.3	1182.3	1108.5	1055.2
35°	2310.6	2096.8	1842.5	1648.7	1507.1	1395.1	1299.6	1213.7	1122.3	1050.8	996.5
37.5°	2232.4	2052.1	1782.8	1555.5	1407.4	1303.7	1225.9	1151.0	1067.1	990.1	938.9
40°	2153.8	2008.1	1736.7	1498.8	1344.2	1237.7	1167.6	1106.5	1025.4	953.2	898.3
42.5°	2036.7	1948.2	1692.7	1439.5	1272.7	1170.1	1111.0	1053.7	982.5	909.2	857.6
45°	1821.9	1833.6	1602.7	1344.9	1173.8	1070.8	1015.0	975.2	912.0	851.5	798.6
47.5°	1552.5	1661.7	1496.9	1244.2	1069.4	972.7	924.0	889.3	846.7	787.3	739.0
50°	1376.5	1532.6	1412.3	1176.6	1004.1	907.9	859.7	831.5	794.5	747.7	701.7
52.5°	1214.4	1381.9	1310.0	1101.3	933.1	845.2	798.2	775.0	745.5	701.6	659.8
55°	990.3	1160.0	1143.6	987.5	826.8	747.7	712.0	685.9	665.9	633.0	600.0
57.5°	801.0	962.0	970.5	861.1	733.1	654.9	624.2	604.5	591.5	566.5	536.0
60°	681.8	829.5	858.4	775.9	665.9	597.2	566.9	551.2	540.9	520.9	497.6
62.5°	582.8	708.5	741.2	681.9	601.6	537.2	513.6	498.4	491.4	474.2	453.6
65°	446.1	550.5	582.1	549.1	507.2	455.7	436.4	423.3	417.2	407.6	392.4
67.5°	335.4	411.5	446.2	422.9	407.8	375.3	363.0	356.0	350.5	343.9	331.2
70°	269.4	325.8	361.5	355.3	343.0	325.8	316.8	312.0	306.5	301.0	290.0
72.5°	216.6	255.4	288.9	292.1	282.0	278.5	270.6	268.6	265.3	258.7	252.7
75°	143.6	170.5	193.8	202.8	206.8	210.3	206.8	206.2	205.5	200.0	196.5
77.5°	94.1	108.6	123.3	138.6	145.0	149.7	150.8	153.3	151.5	148.6	146.9
80°	72.2	75.6	85.9	99.0	109.3	113.4	116.1	117.5	116.8	116.1	113.4
82.5°	52.4	55.2	60.1	69.3	78.0	84.8	86.4	86.1	87.7	88.1	85.9
85°	28.2	28.9	30.2	31.6	36.5	44.0	46.0	47.5	48.8	48.8	44.6
87.5°	13.0	11.8	12.2	11.7	12.8	12.8	15.6	17.9	18.9	17.3	17.8
90°	21.4	18.0	14.6	11.6	9.0	6.4	3.7	1.2	3.7	6.4	9.0
92.5°	41.2	39.3	37.4	35.4	33.7	31.9	30.2	28.4	30.2	31.9	33.7
95°	82.6	80.6	78.5	76.5	74.7	72.9	71.1	69.3	71.1	72.9	74.7
97.5°	132.9	131.4	129.9	128.4	127.0	125.7	124.3	123.0	124.3	125.7	127.0
100°	169.9	168.5	167.2	165.8	164.3	162.7	161.2	159.6	161.2	162.7	164.3
102.5°	210.4	208.6	206.9	205.6	204.6	203.7	202.8	201.8	202.8	203.7	204.6
105°	272.3	269.8	267.5	266.1	265.6	265.1	264.5	264.0	264.5	265.1	265.6
107.5°	340.0	339.1	338.2	337.5	337.2	336.9	336.6	336.3	336.6	336.9	337.2
110°	385.0	384.5	384.0	383.4	382.9	382.3	381.8	381.3	381.8	382.3	382.9

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	429.9	429.8	429.7	429.5	429.2	428.9	428.6	428.3	428.6	428.9	429.2
115°	500.9	501.4	501.9	501.8	501.0	500.2	499.5	498.7	499.5	500.2	501.0
117.5°	570.2	570.9	571.6	571.6	571.1	570.6	570.1	569.6	570.1	570.6	571.1
120°	617.4	618.7	620.1	620.0	618.3	616.8	615.2	613.7	615.2	616.8	618.3
122.5°	663.1	663.8	664.5	664.3	663.1	662.0	660.8	659.6	660.8	662.0	663.1
125°	732.1	732.6	733.1	733.0	732.2	731.3	730.6	729.8	730.6	731.3	732.2
127.5°	800.6	801.2	801.8	801.2	799.6	797.9	796.3	794.6	796.3	797.9	799.6
130°	845.2	846.0	846.8	846.1	844.0	841.9	839.8	837.8	839.8	841.9	844.0
132.5°	888.9	889.5	890.1	889.3	887.2	885.1	883.0	880.9	883.0	885.1	887.2
135°	953.3	953.5	953.8	953.1	951.6	950.0	948.5	946.8	948.5	950.0	951.6
137.5°	1015.4	1014.8	1014.1	1013.1	1011.8	1010.5	1009.2	1007.9	1009.2	1010.5	1011.8
140°	1056.6	1056.4	1056.1	1055.3	1054.1	1052.8	1051.5	1050.2	1051.5	1052.8	1054.1
142.5°	1095.7	1095.2	1094.7	1093.9	1092.6	1091.3	1089.9	1088.6	1089.9	1091.3	1092.6
145°	1153.0	1152.3	1151.4	1150.7	1150.2	1149.7	1149.2	1148.7	1149.2	1149.7	1150.2
147.5°	1207.3	1206.6	1205.9	1205.1	1204.1	1203.2	1202.2	1201.2	1202.2	1203.2	1204.1
150°	1241.5	1241.0	1240.5	1240.0	1239.4	1238.9	1238.4	1237.9	1238.4	1238.9	1239.4
152.5°	1272.0	1271.6	1271.3	1270.8	1270.1	1269.4	1268.7	1267.9	1268.7	1269.4	1270.1
155°	1316.0	1315.8	1315.5	1315.3	1315.3	1315.3	1315.3	1315.3	1315.3	1315.3	1315.3
157.5°	1354.8	1354.6	1354.3	1354.4	1354.7	1355.0	1355.3	1355.6	1355.3	1355.0	1354.7
160°	1378.7	1378.7	1378.7	1379.0	1379.5	1380.0	1380.5	1381.0	1380.5	1380.0	1379.5
162.5°	1400.8	1400.6	1400.4	1400.7	1401.4	1402.1	1402.8	1403.5	1402.8	1402.1	1401.4
165°	1429.2	1429.2	1429.2	1429.6	1430.3	1431.1	1431.9	1432.7	1431.9	1431.1	1430.3
167.5°	1451.7	1451.5	1451.3	1451.7	1452.8	1453.8	1454.8	1455.9	1454.8	1453.8	1452.8
170°	1464.3	1464.3	1464.3	1464.8	1465.9	1466.9	1467.9	1469.1	1467.9	1466.9	1465.9
172.5°	1474.7	1474.7	1474.7	1475.2	1476.2	1477.2	1478.3	1479.4	1478.3	1477.2	1476.2
175°	1485.4	1485.4	1485.4	1486.0	1487.0	1488.0	1489.1	1490.2	1489.1	1488.0	1487.0
177.5°	1490.9	1490.9	1490.9	1491.3	1492.1	1493.0	1493.8	1494.6	1493.8	1493.0	1492.1
180°	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1577.9	1570.7	1565.8	1554.8	1547.7	1539.9	1532.3	1537.2	1536.7	1536.1	1536.1
5°	1525.0	1509.1	1494.8	1476.2	1464.5	1450.1	1439.1	1437.7	1440.5	1430.9	1425.3
7.5°	1472.5	1450.9	1430.5	1410.0	1388.3	1370.9	1360.1	1354.9	1348.0	1342.0	1335.8
10°	1435.6	1410.3	1390.3	1364.8	1341.5	1320.9	1307.9	1298.9	1294.0	1289.3	1280.3
12.5°	1397.8	1372.8	1347.5	1318.7	1296.5	1272.5	1262.7	1252.7	1243.5	1238.1	1225.9
15°	1342.2	1309.9	1283.1	1252.8	1228.1	1204.8	1191.0	1171.0	1168.3	1161.4	1149.1
17.5°	1286.6	1251.4	1214.5	1192.1	1164.2	1139.8	1118.9	1112.3	1092.6	1085.2	1074.4
20°	1242.5	1210.2	1182.0	1152.6	1112.0	1089.2	1072.8	1063.9	1048.0	1038.4	1031.6
22.5°	1204.6	1171.7	1139.2	1104.7	1071.3	1045.8	1033.8	1019.9	1011.2	997.7	990.3
25°	1150.4	1114.7	1075.5	1038.4	1014.4	995.1	975.9	963.5	951.2	944.9	931.2
27.5°	1087.5	1050.2	1013.5	985.3	955.8	936.9	919.4	908.4	893.5	883.1	875.6
30°	1052.9	1008.9	977.2	951.8	914.0	896.2	883.1	869.4	858.4	847.4	839.8
32.5°	1012.7	972.6	942.6	911.2	882.1	862.6	845.8	833.6	824.3	813.9	806.3
35°	949.8	916.1	885.1	853.5	832.2	812.3	792.4	782.0	773.2	763.6	756.7
37.5°	892.8	861.4	832.0	802.0	775.6	759.4	743.4	735.5	723.4	716.9	709.9
40°	857.7	826.8	795.2	766.3	738.8	726.4	712.0	700.3	689.3	684.5	676.9
42.5°	819.2	788.3	761.6	730.5	708.0	691.3	677.9	665.1	656.9	649.8	645.6
45°	762.1	734.7	708.5	677.6	656.3	641.9	626.7	615.1	607.5	602.7	595.1
47.5°	706.8	679.2	652.8	625.8	605.2	588.7	573.6	565.4	555.4	549.6	544.4
50°	666.6	641.9	613.7	589.0	568.4	551.9	539.5	529.2	520.3	512.7	509.3
52.5°	629.8	603.4	579.1	556.0	534.2	515.5	504.3	493.4	486.8	478.1	474.0
55°	569.1	543.6	523.0	500.3	479.0	463.2	449.5	439.8	432.9	423.3	417.9
57.5°	512.0	489.2	464.5	444.9	422.9	409.6	398.2	385.2	376.8	369.2	363.9
60°	473.5	447.4	426.1	407.6	388.3	371.1	360.8	350.5	341.5	334.0	329.2
62.5°	433.3	410.6	390.3	370.1	352.5	337.6	325.6	317.0	309.1	304.3	299.5
65°	371.8	354.0	333.4	316.8	300.3	289.3	279.7	272.2	266.6	263.2	259.1
67.5°	315.2	297.8	279.8	263.7	252.7	244.3	237.9	231.5	228.7	224.3	221.6
70°	278.3	260.4	244.7	232.3	221.3	215.1	211.0	206.2	203.4	197.9	195.2
72.5°	238.2	225.3	213.9	203.7	194.9	189.2	184.0	178.1	173.7	167.6	164.9
75°	187.6	175.9	167.0	160.2	154.6	147.0	139.5	133.3	131.3	129.2	128.6
77.5°	139.0	131.6	125.1	119.3	112.4	106.9	105.3	103.9	103.5	102.4	102.4
80°	109.3	102.4	97.6	90.7	86.5	86.5	86.5	85.2	85.9	85.9	85.9
82.5°	81.2	74.9	72.3	69.8	69.0	69.6	69.6	69.8	69.4	70.5	70.0
85°	41.9	42.6	44.0	43.3	44.0	44.0	45.3	44.6	45.3	44.0	45.3
87.5°	17.7	20.0	21.2	22.4	23.6	23.7	24.5	24.7	25.5	25.8	25.9
90°	11.6	14.6	18.0	21.4	24.7	28.2	29.2	30.3	31.3	32.3	33.1
92.5°	35.4	37.4	39.3	41.2	43.1	45.0	45.8	46.8	47.6	48.4	48.7
95°	76.5	78.5	80.6	82.6	84.7	86.8	87.9	88.9	90.0	91.0	91.5
97.5°	128.4	129.9	131.4	132.9	134.3	135.8	137.0	138.3	139.5	140.7	141.2
100°	165.8	167.2	168.5	169.9	171.2	172.5	173.3	174.0	174.8	175.6	176.2
102.5°	205.6	206.9	208.6	210.4	212.1	213.8	214.6	215.3	216.1	216.9	217.2
105°	266.1	267.5	269.8	272.3	274.6	276.9	276.9	276.9	276.9	276.9	277.2
107.5°	337.5	338.2	339.1	340.0	340.9	341.9	342.7	343.6	344.5	345.3	345.5
110°	383.4	384.0	384.5	385.0	385.5	386.1	387.1	388.1	389.2	390.2	390.4

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	429.5	429.7	429.8	429.9	430.0	430.1	431.4	432.6	433.9	435.2	435.8
115°	501.8	501.9	501.4	500.9	500.4	499.9	500.1	500.4	500.6	500.9	500.9
117.5°	571.6	571.6	570.9	570.2	569.6	568.9	568.8	568.8	568.7	568.7	568.3
120°	620.0	620.1	618.7	617.4	616.1	614.8	614.6	614.3	614.1	613.8	613.4
122.5°	664.3	664.5	663.8	663.1	662.5	661.8	661.1	660.5	659.7	659.0	658.3
125°	733.0	733.1	732.6	732.1	731.5	731.0	729.9	728.9	727.9	726.8	725.8
127.5°	801.2	801.8	801.2	800.6	800.1	799.5	798.1	796.6	795.2	793.7	792.3
130°	846.1	846.8	846.0	845.2	844.4	843.6	842.6	841.5	840.5	839.5	838.0
132.5°	889.3	890.1	889.5	888.9	888.3	887.8	886.5	885.2	884.0	882.7	881.4
135°	953.1	953.8	953.5	953.3	953.0	952.7	951.7	950.7	949.6	948.6	947.8
137.5°	1013.1	1014.1	1014.8	1015.4	1016.1	1016.8	1015.7	1014.6	1013.5	1012.4	1011.4
140°	1055.3	1056.1	1056.4	1056.6	1056.9	1057.2	1056.9	1056.6	1056.4	1056.1	1055.1
142.5°	1093.9	1094.7	1095.2	1095.7	1096.1	1096.6	1096.3	1096.1	1095.8	1095.6	1094.7
145°	1150.7	1151.4	1152.3	1153.0	1153.8	1154.6	1154.3	1154.1	1153.8	1153.6	1152.9
147.5°	1205.1	1205.9	1206.6	1207.3	1208.0	1208.8	1208.8	1208.8	1208.8	1208.8	1208.0
150°	1240.0	1240.5	1241.0	1241.5	1242.0	1242.5	1242.5	1242.5	1242.5	1242.5	1241.8
152.5°	1270.8	1271.3	1271.6	1272.0	1272.3	1272.6	1273.0	1273.4	1273.8	1274.2	1273.8
155°	1315.3	1315.5	1315.8	1316.0	1316.3	1316.5	1317.6	1318.6	1319.6	1320.7	1320.3
157.5°	1354.4	1354.3	1354.6	1354.8	1355.0	1355.2	1356.3	1357.4	1358.5	1359.6	1359.4
160°	1379.0	1378.7	1378.7	1378.7	1378.7	1378.7	1380.0	1381.3	1382.6	1383.9	1384.0
162.5°	1400.7	1400.4	1400.6	1400.8	1401.0	1401.2	1402.5	1403.8	1405.1	1406.4	1406.2
165°	1429.6	1429.2	1429.2	1429.2	1429.2	1429.2	1430.7	1432.3	1433.8	1435.4	1435.2
167.5°	1451.7	1451.3	1451.5	1451.7	1451.9	1452.1	1453.7	1455.3	1456.9	1458.5	1458.5
170°	1464.8	1464.3	1464.3	1464.3	1464.3	1464.3	1466.1	1467.9	1469.9	1471.7	1471.7
172.5°	1475.2	1474.7	1474.7	1474.7	1474.7	1474.7	1476.3	1477.9	1479.6	1481.2	1481.1
175°	1486.0	1485.4	1485.4	1485.4	1485.4	1485.4	1487.0	1488.5	1490.2	1491.7	1491.6
177.5°	1491.3	1490.9	1490.9	1490.9	1490.9	1490.9	1492.1	1493.4	1494.6	1495.8	1495.7
180°	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1529.5	1528.9	1529.5	1527.3	1529.5	1528.9	1529.5	1536.1	1536.1	1536.7	1537.2
5°	1423.3	1422.6	1420.6	1414.3	1420.6	1422.6	1423.3	1425.3	1430.9	1440.5	1437.7
7.5°	1330.5	1329.6	1323.5	1323.6	1323.5	1329.6	1330.5	1335.8	1342.0	1348.0	1354.9
10°	1275.6	1276.2	1268.0	1263.1	1268.0	1276.2	1275.6	1280.3	1289.3	1294.0	1298.9
12.5°	1222.2	1219.0	1212.4	1207.1	1212.4	1219.0	1222.2	1225.9	1238.1	1243.5	1252.7
15°	1151.9	1145.0	1128.4	1129.8	1128.4	1145.0	1151.9	1149.1	1161.4	1168.3	1171.0
17.5°	1068.9	1063.9	1063.6	1054.0	1063.6	1063.9	1068.9	1074.4	1085.2	1092.6	1112.3
20°	1020.6	1017.1	1018.4	1008.9	1018.4	1017.1	1020.6	1031.6	1038.4	1048.0	1063.9
22.5°	982.6	979.2	973.4	970.4	973.4	979.2	982.6	990.3	997.7	1011.2	1019.9
25°	927.1	921.6	916.1	919.6	916.1	921.6	927.1	931.2	944.9	951.2	963.5
27.5°	871.6	867.5	861.9	861.2	861.9	867.5	871.6	875.6	883.1	893.5	908.4
30°	836.4	832.2	829.5	826.1	829.5	832.2	836.4	839.8	847.4	858.4	869.4
32.5°	800.6	799.8	794.9	794.2	794.9	799.8	800.6	806.3	813.9	824.3	833.6
35°	753.9	749.8	748.4	749.1	748.4	749.8	753.9	756.7	763.6	773.2	782.0
37.5°	709.5	704.0	701.6	699.0	701.6	704.0	709.5	709.9	716.9	723.4	735.5
40°	677.6	672.2	670.8	669.3	670.8	672.2	677.6	676.9	684.5	689.3	700.3
42.5°	641.9	639.6	638.8	636.4	638.8	639.6	641.9	645.6	649.8	656.9	665.1
45°	593.1	592.4	588.2	589.7	588.2	592.4	593.1	595.1	602.7	607.5	615.1
47.5°	541.7	538.7	535.7	537.7	535.7	538.7	541.7	544.4	549.6	555.4	565.4
50°	506.5	505.1	499.0	500.3	499.0	505.1	506.5	509.3	512.7	520.3	529.2
52.5°	471.3	466.1	463.7	462.9	463.7	466.1	471.3	474.0	478.1	486.8	493.4
55°	413.0	406.9	404.1	402.7	404.1	406.9	413.0	417.9	423.3	432.9	439.8
57.5°	355.9	354.2	352.0	353.6	352.0	354.2	355.9	363.9	369.2	376.8	385.2
60°	322.3	322.3	322.3	321.6	322.3	322.3	322.3	329.2	334.0	341.5	350.5
62.5°	296.5	294.8	294.3	295.3	294.3	294.8	296.5	299.5	304.3	309.1	317.0
65°	257.0	256.3	253.6	252.9	253.6	256.3	257.0	259.1	263.2	266.6	272.2
67.5°	219.7	217.3	216.5	215.5	216.5	217.3	219.7	221.6	224.3	228.7	231.5
70°	191.8	190.4	186.2	186.9	186.2	190.4	191.8	195.2	197.9	203.4	206.2
72.5°	161.5	160.2	159.3	158.3	159.3	160.2	161.5	164.9	167.6	173.7	178.1
75°	127.8	127.1	126.4	129.2	126.4	127.1	127.8	128.6	129.2	131.3	133.3
77.5°	102.4	102.4	102.8	101.7	102.8	102.4	102.4	102.4	102.4	103.5	103.9
80°	85.9	85.9	85.2	85.2	85.2	85.9	85.9	85.9	85.9	85.9	85.2
82.5°	68.9	69.4	69.8	68.8	69.8	69.4	68.9	70.0	70.5	69.4	69.8
85°	45.3	44.6	46.0	45.3	46.0	44.6	45.3	45.3	44.0	45.3	44.6
87.5°	27.1	26.1	26.2	26.9	26.2	26.1	27.1	25.9	25.8	25.5	24.7
90°	33.6	34.1	34.6	35.2	34.6	34.1	33.6	33.1	32.3	31.3	30.3
92.5°	48.4	48.1	47.7	47.4	47.7	48.1	48.4	48.7	48.4	47.6	46.8
95°	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.0	90.0	88.9
97.5°	141.1	141.0	140.9	140.8	140.9	141.0	141.1	141.2	140.7	139.5	138.3
100°	176.8	177.3	177.8	178.3	177.8	177.3	176.8	176.2	175.6	174.8	174.0
102.5°	217.1	217.0	216.9	216.8	216.9	217.0	217.1	217.2	216.9	216.1	215.3
105°	277.7	278.2	278.7	279.2	278.7	278.2	277.7	277.2	276.9	276.9	276.9
107.5°	345.2	344.9	344.6	344.3	344.6	344.9	345.2	345.5	345.3	344.5	343.6
110°	389.9	389.4	388.9	388.4	388.9	389.4	389.9	390.4	390.2	389.2	388.1

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	435.7	435.6	435.5	435.4	435.5	435.6	435.7	435.8	435.2	433.9	432.6
115°	500.6	500.4	500.1	499.9	500.1	500.4	500.6	500.9	500.9	500.6	500.4
117.5°	567.5	566.7	566.0	565.3	566.0	566.7	567.5	568.3	568.7	568.7	568.8
120°	612.9	612.4	611.9	611.3	611.9	612.4	612.9	613.4	613.8	614.1	614.3
122.5°	657.6	656.9	656.1	655.4	656.1	656.9	657.6	658.3	659.0	659.7	660.5
125°	724.8	723.7	722.7	721.6	722.7	723.7	724.8	725.8	726.8	727.9	728.9
127.5°	791.1	789.9	788.7	787.6	788.7	789.9	791.1	792.3	793.7	795.2	796.6
130°	836.2	834.4	832.5	830.7	832.5	834.4	836.2	838.0	839.5	840.5	841.5
132.5°	880.0	878.6	877.2	875.8	877.2	878.6	880.0	881.4	882.7	884.0	885.2
135°	947.3	946.7	946.2	945.7	946.2	946.7	947.3	947.8	948.6	949.6	950.7
137.5°	1010.4	1009.5	1008.5	1007.4	1008.5	1009.5	1010.4	1011.4	1012.4	1013.5	1014.6
140°	1053.3	1051.5	1049.7	1047.8	1049.7	1051.5	1053.3	1055.1	1056.1	1056.4	1056.6
142.5°	1093.3	1091.9	1090.6	1089.1	1090.6	1091.9	1093.3	1094.7	1095.6	1095.8	1096.1
145°	1151.9	1150.7	1149.7	1148.7	1149.7	1150.7	1151.9	1152.9	1153.6	1153.8	1154.1
147.5°	1206.4	1204.9	1203.3	1201.7	1203.3	1204.9	1206.4	1208.0	1208.8	1208.8	1208.8
150°	1240.2	1238.7	1237.1	1235.6	1237.1	1238.7	1240.2	1241.8	1242.5	1242.5	1242.5
152.5°	1272.4	1271.1	1269.7	1268.4	1269.7	1271.1	1272.4	1273.8	1274.2	1273.8	1273.4
155°	1318.5	1316.7	1314.8	1312.9	1314.8	1316.7	1318.5	1320.3	1320.7	1319.6	1318.6
157.5°	1358.0	1356.5	1355.0	1353.5	1355.0	1356.5	1358.0	1359.4	1359.6	1358.5	1357.4
160°	1383.0	1381.9	1380.9	1379.9	1380.9	1381.9	1383.0	1384.0	1383.9	1382.6	1381.3
162.5°	1404.5	1402.9	1401.2	1399.6	1401.2	1402.9	1404.5	1406.2	1406.4	1405.1	1403.8
165°	1433.4	1431.6	1429.8	1427.9	1429.8	1431.6	1433.4	1435.2	1435.4	1433.8	1432.3
167.5°	1456.9	1455.3	1453.7	1452.1	1453.7	1455.3	1456.9	1458.5	1458.5	1456.9	1455.3
170°	1469.9	1467.9	1466.1	1464.3	1466.1	1467.9	1469.9	1471.7	1471.7	1469.9	1467.9
172.5°	1479.1	1477.3	1475.5	1473.7	1475.5	1477.3	1479.1	1481.1	1481.2	1479.6	1477.9
175°	1489.8	1487.9	1486.1	1484.3	1486.1	1487.9	1489.8	1491.6	1491.7	1490.2	1488.5
177.5°	1494.3	1492.8	1491.4	1490.0	1491.4	1492.8	1494.3	1495.7	1495.8	1494.6	1493.4
180°	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1532.3	1539.9	1547.7	1554.8	1565.8	1570.7	1577.9	1580.6	1588.9	1601.0	1610.9
5°	1439.1	1450.1	1464.5	1476.2	1494.8	1509.1	1525.0	1540.1	1558.0	1583.4	1606.1
7.5°	1360.1	1370.9	1388.3	1410.0	1430.5	1450.9	1472.5	1493.1	1518.6	1555.1	1591.2
10°	1307.9	1320.9	1341.5	1364.8	1390.3	1410.3	1435.6	1461.8	1493.4	1535.3	1578.6
12.5°	1262.7	1272.5	1296.5	1318.7	1347.5	1372.8	1397.8	1428.3	1464.2	1508.9	1561.0
15°	1191.0	1204.8	1228.1	1252.8	1283.1	1309.9	1342.2	1379.3	1414.3	1469.4	1532.6
17.5°	1118.9	1139.8	1164.2	1192.1	1214.5	1251.4	1286.6	1324.6	1367.8	1426.0	1495.4
20°	1072.8	1089.2	1112.0	1152.6	1182.0	1210.2	1242.5	1290.0	1329.8	1395.8	1467.9
22.5°	1033.8	1045.8	1071.3	1104.7	1139.2	1171.7	1204.6	1249.8	1299.0	1361.7	1440.0
25°	975.9	995.1	1014.4	1038.4	1075.5	1114.7	1150.4	1188.9	1241.1	1307.9	1392.4
27.5°	919.4	936.9	955.8	985.3	1013.5	1050.2	1087.5	1131.7	1187.7	1258.2	1343.9
30°	883.1	896.2	914.0	951.8	977.2	1008.9	1052.9	1092.1	1144.3	1219.2	1309.9
32.5°	845.8	862.6	882.1	911.2	942.6	972.6	1012.7	1055.2	1108.5	1182.3	1275.3
35°	792.4	812.3	832.2	853.5	885.1	916.1	949.8	996.5	1050.8	1122.3	1213.7
37.5°	743.4	759.4	775.6	802.0	832.0	861.4	892.8	938.9	990.1	1067.1	1151.0
40°	712.0	726.4	738.8	766.3	795.2	826.8	857.7	898.3	953.2	1025.4	1106.5
42.5°	677.9	691.3	708.0	730.5	761.6	788.3	819.2	857.6	909.2	982.5	1053.7
45°	626.7	641.9	656.3	677.6	708.5	734.7	762.1	798.6	851.5	912.0	975.2
47.5°	573.6	588.7	605.2	625.8	652.8	679.2	706.8	739.0	787.3	846.7	889.3
50°	539.5	551.9	568.4	589.0	613.7	641.9	666.6	701.7	747.7	794.5	831.5
52.5°	504.3	515.5	534.2	556.0	579.1	603.4	629.8	659.8	701.6	745.5	775.0
55°	449.5	463.2	479.0	500.3	523.0	543.6	569.1	600.0	633.0	665.9	685.9
57.5°	398.2	409.6	422.9	444.9	464.5	489.2	512.0	536.0	566.5	591.5	604.5
60°	360.8	371.1	388.3	407.6	426.1	447.4	473.5	497.6	520.9	540.9	551.2
62.5°	325.6	337.6	352.5	370.1	390.3	410.6	433.3	453.6	474.2	491.4	498.4
65°	279.7	289.3	300.3	316.8	333.4	354.0	371.8	392.4	407.6	417.2	423.3
67.5°	237.9	244.3	252.7	263.7	279.8	297.8	315.2	331.2	343.9	350.5	356.0
70°	211.0	215.1	221.3	232.3	244.7	260.4	278.3	290.0	301.0	306.5	312.0
72.5°	184.0	189.2	194.9	203.7	213.9	225.3	238.2	252.7	258.7	265.3	268.6
75°	139.5	147.0	154.6	160.2	167.0	175.9	187.6	196.5	200.0	205.5	206.2
77.5°	105.3	106.9	112.4	119.3	125.1	131.6	139.0	146.9	148.6	151.5	153.3
80°	86.5	86.5	86.5	90.7	97.6	102.4	109.3	113.4	116.1	116.8	117.5
82.5°	69.6	69.6	69.0	69.8	72.3	74.9	81.2	85.9	88.1	87.7	86.1
85°	45.3	44.0	44.0	43.3	44.0	42.6	41.9	44.6	48.8	48.8	47.5
87.5°	24.5	23.7	23.6	22.4	21.2	20.0	17.7	17.8	17.3	18.9	17.9
90°	29.2	28.2	24.7	21.4	18.0	14.6	11.6	9.0	6.4	3.7	1.2
92.5°	45.8	45.0	43.1	41.2	39.3	37.4	35.4	33.7	31.9	30.2	28.4
95°	87.9	86.8	84.7	82.6	80.6	78.5	76.5	74.7	72.9	71.1	69.3
97.5°	137.0	135.8	134.3	132.9	131.4	129.9	128.4	127.0	125.7	124.3	123.0
100°	173.3	172.5	171.2	169.9	168.5	167.2	165.8	164.3	162.7	161.2	159.6
102.5°	214.6	213.8	212.1	210.4	208.6	206.9	205.6	204.6	203.7	202.8	201.8
105°	276.9	276.9	274.6	272.3	269.8	267.5	266.1	265.6	265.1	264.5	264.0
107.5°	342.7	341.9	340.9	340.0	339.1	338.2	337.5	337.2	336.9	336.6	336.3
110°	387.1	386.1	385.5	385.0	384.5	384.0	383.4	382.9	382.3	381.8	381.3

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	431.4	430.1	430.0	429.9	429.8	429.7	429.5	429.2	428.9	428.6	428.3
115°	500.1	499.9	500.4	500.9	501.4	501.9	501.8	501.0	500.2	499.5	498.7
117.5°	568.8	568.9	569.6	570.2	570.9	571.6	571.6	571.1	570.6	570.1	569.6
120°	614.6	614.8	616.1	617.4	618.7	620.1	620.0	618.3	616.8	615.2	613.7
122.5°	661.1	661.8	662.5	663.1	663.8	664.5	664.3	663.1	662.0	660.8	659.6
125°	729.9	731.0	731.5	732.1	732.6	733.1	733.0	732.2	731.3	730.6	729.8
127.5°	798.1	799.5	800.1	800.6	801.2	801.8	801.2	799.6	797.9	796.3	794.6
130°	842.6	843.6	844.4	845.2	846.0	846.8	846.1	844.0	841.9	839.8	837.8
132.5°	886.5	887.8	888.3	888.9	889.5	890.1	889.3	887.2	885.1	883.0	880.9
135°	951.7	952.7	953.0	953.3	953.5	953.8	953.1	951.6	950.0	948.5	946.8
137.5°	1015.7	1016.8	1016.1	1015.4	1014.8	1014.1	1013.1	1011.8	1010.5	1009.2	1007.9
140°	1056.9	1057.2	1056.9	1056.6	1056.4	1056.1	1055.3	1054.1	1052.8	1051.5	1050.2
142.5°	1096.3	1096.6	1096.1	1095.7	1095.2	1094.7	1093.9	1092.6	1091.3	1089.9	1088.6
145°	1154.3	1154.6	1153.8	1153.0	1152.3	1151.4	1150.7	1150.2	1149.7	1149.2	1148.7
147.5°	1208.8	1208.8	1208.0	1207.3	1206.6	1205.9	1205.1	1204.1	1203.2	1202.2	1201.2
150°	1242.5	1242.5	1242.0	1241.5	1241.0	1240.5	1240.0	1239.4	1238.9	1238.4	1237.9
152.5°	1273.0	1272.6	1272.3	1272.0	1271.6	1271.3	1270.8	1270.1	1269.4	1268.7	1267.9
155°	1317.6	1316.5	1316.3	1316.0	1315.8	1315.5	1315.3	1315.3	1315.3	1315.3	1315.3
157.5°	1356.3	1355.2	1355.0	1354.8	1354.6	1354.3	1354.4	1354.7	1355.0	1355.3	1355.6
160°	1380.0	1378.7	1378.7	1378.7	1378.7	1378.7	1379.0	1379.5	1380.0	1380.5	1381.0
162.5°	1402.5	1401.2	1401.0	1400.8	1400.6	1400.4	1400.7	1401.4	1402.1	1402.8	1403.5
165°	1430.7	1429.2	1429.2	1429.2	1429.2	1429.2	1429.6	1430.3	1431.1	1431.9	1432.7
167.5°	1453.7	1452.1	1451.9	1451.7	1451.5	1451.3	1451.7	1452.8	1453.8	1454.8	1455.9
170°	1466.1	1464.3	1464.3	1464.3	1464.3	1464.3	1464.8	1465.9	1466.9	1467.9	1469.1
172.5°	1476.3	1474.7	1474.7	1474.7	1474.7	1474.7	1475.2	1476.2	1477.2	1478.3	1479.4
175°	1487.0	1485.4	1485.4	1485.4	1485.4	1485.4	1486.0	1487.0	1488.0	1489.1	1490.2
177.5°	1492.1	1490.9	1490.9	1490.9	1490.9	1490.9	1491.3	1492.1	1493.0	1493.8	1494.6
180°	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1614.2	1620.2	1627.9	1639.5	1648.3	1656.0	1657.6	1659.8	1665.4	1674.7	1681.8
5°	1624.7	1640.4	1665.9	1690.6	1717.5	1739.4	1760.0	1774.4	1788.2	1817.1	1840.5
7.5°	1621.3	1656.6	1696.4	1740.8	1785.7	1829.3	1869.8	1905.9	1941.9	1984.0	2031.9
10°	1619.1	1660.4	1713.9	1771.0	1833.6	1894.7	1953.9	1999.9	2053.5	2101.6	2162.7
12.5°	1608.7	1668.1	1732.1	1805.1	1882.0	1952.5	2030.2	2093.9	2155.3	2224.7	2295.8
15°	1595.1	1667.3	1748.4	1845.2	1962.1	2047.3	2127.0	2237.7	2313.3	2388.8	2490.6
17.5°	1570.2	1658.3	1759.6	1885.5	1983.0	2097.5	2217.5	2304.9	2406.7	2513.3	2605.4
20°	1550.4	1652.8	1766.3	1890.0	2014.3	2138.7	2254.8	2359.3	2464.5	2587.5	2663.1
22.5°	1530.7	1631.9	1749.7	1881.2	2014.9	2145.9	2277.3	2400.0	2518.3	2642.4	2739.0
25°	1488.5	1608.8	1736.7	1870.7	2002.7	2147.0	2303.6	2440.4	2586.8	2714.6	2806.0
27.5°	1445.9	1556.2	1683.4	1819.4	1966.1	2136.7	2321.0	2476.4	2623.1	2714.6	2743.4
30°	1407.4	1524.3	1641.1	1779.3	1938.0	2128.4	2324.3	2502.2	2622.5	2662.4	2632.8
32.5°	1368.5	1474.3	1590.0	1731.4	1900.1	2108.1	2328.6	2486.9	2559.3	2528.8	2408.5
35°	1299.6	1395.1	1507.1	1648.7	1842.5	2096.8	2310.6	2417.7	2399.8	2228.1	2001.2
37.5°	1225.9	1303.7	1407.4	1555.5	1782.8	2052.1	2232.4	2248.3	2093.7	1829.9	1567.9
40°	1167.6	1237.7	1344.2	1498.8	1736.7	2008.1	2153.8	2089.9	1850.1	1556.6	1338.1
42.5°	1111.0	1170.1	1272.7	1439.5	1692.7	1948.2	2036.7	1897.5	1620.8	1343.3	1144.6
45°	1015.0	1070.8	1173.8	1344.9	1602.7	1833.6	1821.9	1579.9	1303.0	1079.6	914.7
47.5°	924.0	972.7	1069.4	1244.2	1496.9	1661.7	1552.5	1295.1	1060.2	880.9	763.3
50°	859.7	907.9	1004.1	1176.6	1412.3	1532.6	1376.5	1128.4	913.3	764.9	671.5
52.5°	798.2	845.2	933.1	1101.3	1310.0	1381.9	1214.4	984.4	805.1	676.9	596.6
55°	712.0	747.7	826.8	987.5	1143.6	1160.0	990.3	797.9	650.2	560.8	505.8
57.5°	624.2	654.9	733.1	861.1	970.5	962.0	801.0	634.6	535.1	468.7	428.9
60°	566.9	597.2	665.9	775.9	858.4	829.5	681.8	547.8	462.5	413.7	382.1
62.5°	513.6	537.2	601.6	681.9	741.2	708.5	582.8	471.9	404.2	363.1	338.1
65°	436.4	455.7	507.2	549.1	582.1	550.5	446.1	369.0	320.2	291.3	274.2
67.5°	363.0	375.3	407.8	422.9	446.2	411.5	335.4	283.9	256.1	231.8	219.7
70°	316.8	325.8	343.0	355.3	361.5	325.8	269.4	231.6	208.2	191.1	183.5
72.5°	270.6	278.5	282.0	292.1	288.9	255.4	216.6	186.5	169.8	158.0	148.3
75°	206.8	210.3	206.8	202.8	193.8	170.5	143.6	128.6	116.1	110.7	107.2
77.5°	150.8	149.7	145.0	138.6	123.3	108.6	94.1	89.1	83.7	80.8	79.6
80°	116.1	113.4	109.3	99.0	85.9	75.6	72.2	68.8	66.7	63.2	62.5
82.5°	86.4	84.8	78.0	69.3	60.1	55.2	52.4	51.1	49.1	47.3	47.2
85°	46.0	44.0	36.5	31.6	30.2	28.9	28.2	28.2	25.4	24.7	24.7
87.5°	15.6	12.8	12.8	11.7	12.2	11.8	13.0	12.6	12.8	13.5	12.6
90°	3.7	6.4	9.0	11.6	14.6	18.0	21.4	24.7	28.2	29.2	30.3
92.5°	30.2	31.9	33.7	35.4	37.4	39.3	41.2	43.1	45.0	45.8	46.8
95°	71.1	72.9	74.7	76.5	78.5	80.6	82.6	84.7	86.8	87.9	88.9
97.5°	124.3	125.7	127.0	128.4	129.9	131.4	132.9	134.3	135.8	137.0	138.3
100°	161.2	162.7	164.3	165.8	167.2	168.5	169.9	171.2	172.5	173.3	174.0
102.5°	202.8	203.7	204.6	205.6	206.9	208.6	210.4	212.1	213.8	214.6	215.3
105°	264.5	265.1	265.6	266.1	267.5	269.8	272.3	274.6	276.9	276.9	276.9
107.5°	336.6	336.9	337.2	337.5	338.2	339.1	340.0	340.9	341.9	342.7	343.6
110°	381.8	382.3	382.9	383.4	384.0	384.5	385.0	385.5	386.1	387.1	388.1

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	428.6	428.9	429.2	429.5	429.7	429.8	429.9	430.0	430.1	431.4	432.6
115°	499.5	500.2	501.0	501.8	501.9	501.4	500.9	500.4	499.9	500.1	500.4
117.5°	570.1	570.6	571.1	571.6	571.6	570.9	570.2	569.6	568.9	568.8	568.8
120°	615.2	616.8	618.3	620.0	620.1	618.7	617.4	616.1	614.8	614.6	614.3
122.5°	660.8	662.0	663.1	664.3	664.5	663.8	663.1	662.5	661.8	661.1	660.5
125°	730.6	731.3	732.2	733.0	733.1	732.6	732.1	731.5	731.0	729.9	728.9
127.5°	796.3	797.9	799.6	801.2	801.8	801.2	800.6	800.1	799.5	798.1	796.6
130°	839.8	841.9	844.0	846.1	846.8	846.0	845.2	844.4	843.6	842.6	841.5
132.5°	883.0	885.1	887.2	889.3	890.1	889.5	888.9	888.3	887.8	886.5	885.2
135°	948.5	950.0	951.6	953.1	953.8	953.5	953.3	953.0	952.7	951.7	950.7
137.5°	1009.2	1010.5	1011.8	1013.1	1014.1	1014.8	1015.4	1016.1	1016.8	1015.7	1014.6
140°	1051.5	1052.8	1054.1	1055.3	1056.1	1056.4	1056.6	1056.9	1057.2	1056.9	1056.6
142.5°	1089.9	1091.3	1092.6	1093.9	1094.7	1095.2	1095.7	1096.1	1096.6	1096.3	1096.1
145°	1149.2	1149.7	1150.2	1150.7	1151.4	1152.3	1153.0	1153.8	1154.6	1154.3	1154.1
147.5°	1202.2	1203.2	1204.1	1205.1	1205.9	1206.6	1207.3	1208.0	1208.8	1208.8	1208.8
150°	1238.4	1238.9	1239.4	1240.0	1240.5	1241.0	1241.5	1242.0	1242.5	1242.5	1242.5
152.5°	1268.7	1269.4	1270.1	1270.8	1271.3	1271.6	1272.0	1272.3	1272.6	1273.0	1273.4
155°	1315.3	1315.3	1315.3	1315.3	1315.5	1315.8	1316.0	1316.3	1316.5	1317.6	1318.6
157.5°	1355.3	1355.0	1354.7	1354.4	1354.3	1354.6	1354.8	1355.0	1355.2	1356.3	1357.4
160°	1380.5	1380.0	1379.5	1379.0	1378.7	1378.7	1378.7	1378.7	1378.7	1380.0	1381.3
162.5°	1402.8	1402.1	1401.4	1400.7	1400.4	1400.6	1400.8	1401.0	1401.2	1402.5	1403.8
165°	1431.9	1431.1	1430.3	1429.6	1429.2	1429.2	1429.2	1429.2	1429.2	1430.7	1432.3
167.5°	1454.8	1453.8	1452.8	1451.7	1451.3	1451.5	1451.7	1451.9	1452.1	1453.7	1455.3
170°	1467.9	1466.9	1465.9	1464.8	1464.3	1464.3	1464.3	1464.3	1464.3	1466.1	1467.9
172.5°	1478.3	1477.2	1476.2	1475.2	1474.7	1474.7	1474.7	1474.7	1474.7	1476.3	1477.9
175°	1489.1	1488.0	1487.0	1486.0	1485.4	1485.4	1485.4	1485.4	1485.4	1487.0	1488.5
177.5°	1493.8	1493.0	1492.1	1491.3	1490.9	1490.9	1490.9	1490.9	1490.9	1492.1	1493.4
180°	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1693.3	1693.3	1695.6	1703.8	1705.0	1712.0	1709.9
5°	1861.1	1874.1	1879.0	1899.6	1911.9	1917.4	1906.4
7.5°	2066.2	2102.9	2120.4	2142.0	2161.1	2166.9	2151.9
10°	2215.6	2254.1	2286.4	2306.4	2324.9	2337.3	2353.1
12.5°	2360.3	2407.5	2438.2	2466.4	2485.5	2501.1	2503.8
15°	2517.4	2588.9	2643.1	2683.0	2702.9	2713.2	2709.2
17.5°	2675.8	2742.1	2780.8	2821.5	2849.0	2850.4	2851.3
20°	2765.5	2830.0	2874.8	2905.0	2935.9	2934.6	2941.4
22.5°	2825.4	2876.3	2910.5	2932.4	2943.0	2937.8	2939.2
25°	2853.5	2868.5	2862.4	2827.3	2818.4	2786.1	2791.6
27.5°	2708.9	2637.4	2563.4	2468.3	2393.3	2333.3	2336.3
30°	2512.5	2386.1	2241.8	2120.8	2012.3	1982.1	1917.4
32.5°	2238.3	2048.5	1879.5	1766.8	1673.5	1648.3	1592.0
35°	1773.1	1588.9	1415.0	1310.6	1269.3	1211.6	1210.9
37.5°	1378.2	1216.0	1124.1	1045.7	1004.6	969.7	966.2
40°	1159.4	1032.9	963.5	907.2	866.7	840.5	834.4
42.5°	1006.5	904.2	839.3	804.4	773.2	759.7	749.6
45°	821.9	753.3	707.8	676.2	661.9	651.5	646.0
47.5°	687.5	641.5	610.6	589.6	577.8	566.9	569.9
50°	614.4	576.6	553.9	534.0	525.0	517.5	518.2
52.5°	555.5	521.6	503.3	488.9	477.8	472.4	469.8
55°	471.4	450.1	431.6	421.3	415.1	407.6	405.5
57.5°	402.1	385.7	370.5	358.9	357.4	350.1	351.0
60°	356.0	342.2	329.9	323.7	318.9	312.7	314.8
62.5°	318.1	306.5	295.3	290.1	285.4	280.8	281.8
65°	260.4	249.4	242.6	239.8	237.8	235.7	233.7
67.5°	207.5	200.9	196.5	190.7	186.4	185.7	183.6
70°	174.6	165.6	158.0	150.5	148.5	147.7	148.5
72.5°	140.0	134.3	132.2	128.6	128.2	126.3	127.5
75°	105.1	103.1	101.7	99.0	99.0	99.0	99.0
77.5°	77.6	76.2	75.4	74.9	74.2	73.2	73.1
80°	60.5	59.8	58.4	58.4	57.8	58.4	57.8
82.5°	45.6	45.5	44.1	44.1	43.4	43.0	43.4
85°	23.3	22.7	24.0	22.7	23.3	22.0	23.3
87.5°	12.8	13.0	12.6	12.8	12.3	13.5	12.5
90°	31.3	32.3	33.1	33.6	34.1	34.6	35.2
92.5°	47.6	48.4	48.7	48.4	48.1	47.7	47.4
95°	90.0	91.0	91.5	91.5	91.5	91.5	91.5
97.5°	139.5	140.7	141.2	141.1	141.0	140.9	140.8
100°	174.8	175.6	176.2	176.8	177.3	177.8	178.3
102.5°	216.1	216.9	217.2	217.1	217.0	216.9	216.8
105°	276.9	276.9	277.2	277.7	278.2	278.7	279.2
107.5°	344.5	345.3	345.5	345.2	344.9	344.6	344.3
110°	389.2	390.2	390.4	389.9	389.4	388.9	388.4

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	433.9	435.2	435.8	435.7	435.6	435.5	435.4
115°	500.6	500.9	500.9	500.6	500.4	500.1	499.9
117.5°	568.7	568.7	568.3	567.5	566.7	566.0	565.3
120°	614.1	613.8	613.4	612.9	612.4	611.9	611.3
122.5°	659.7	659.0	658.3	657.6	656.9	656.1	655.4
125°	727.9	726.8	725.8	724.8	723.7	722.7	721.6
127.5°	795.2	793.7	792.3	791.1	789.9	788.7	787.6
130°	840.5	839.5	838.0	836.2	834.4	832.5	830.7
132.5°	884.0	882.7	881.4	880.0	878.6	877.2	875.8
135°	949.6	948.6	947.8	947.3	946.7	946.2	945.7
137.5°	1013.5	1012.4	1011.4	1010.4	1009.5	1008.5	1007.4
140°	1056.4	1056.1	1055.1	1053.3	1051.5	1049.7	1047.8
142.5°	1095.8	1095.6	1094.7	1093.3	1091.9	1090.6	1089.1
145°	1153.8	1153.6	1152.9	1151.9	1150.7	1149.7	1148.7
147.5°	1208.8	1208.8	1208.0	1206.4	1204.9	1203.3	1201.7
150°	1242.5	1242.5	1241.8	1240.2	1238.7	1237.1	1235.6
152.5°	1273.8	1274.2	1273.8	1272.4	1271.1	1269.7	1268.4
155°	1319.6	1320.7	1320.3	1318.5	1316.7	1314.8	1312.9
157.5°	1358.5	1359.6	1359.4	1358.0	1356.5	1355.0	1353.5
160°	1382.6	1383.9	1384.0	1383.0	1381.9	1380.9	1379.9
162.5°	1405.1	1406.4	1406.2	1404.5	1402.9	1401.2	1399.6
165°	1433.8	1435.4	1435.2	1433.4	1431.6	1429.8	1427.9
167.5°	1456.9	1458.5	1458.5	1456.9	1455.3	1453.7	1452.1
170°	1469.9	1471.7	1471.7	1469.9	1467.9	1466.1	1464.3
172.5°	1479.6	1481.2	1481.1	1479.1	1477.3	1475.5	1473.7
175°	1490.2	1491.7	1491.6	1489.8	1487.9	1486.1	1484.3
177.5°	1494.6	1495.8	1495.7	1494.3	1492.8	1491.4	1490.0
180°	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7	1493.7

(END OF REPORT)