

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: P331597

Luminaire Tested: **S122DIW-S1005D970U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331597
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S1005D970U835-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8272.4 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

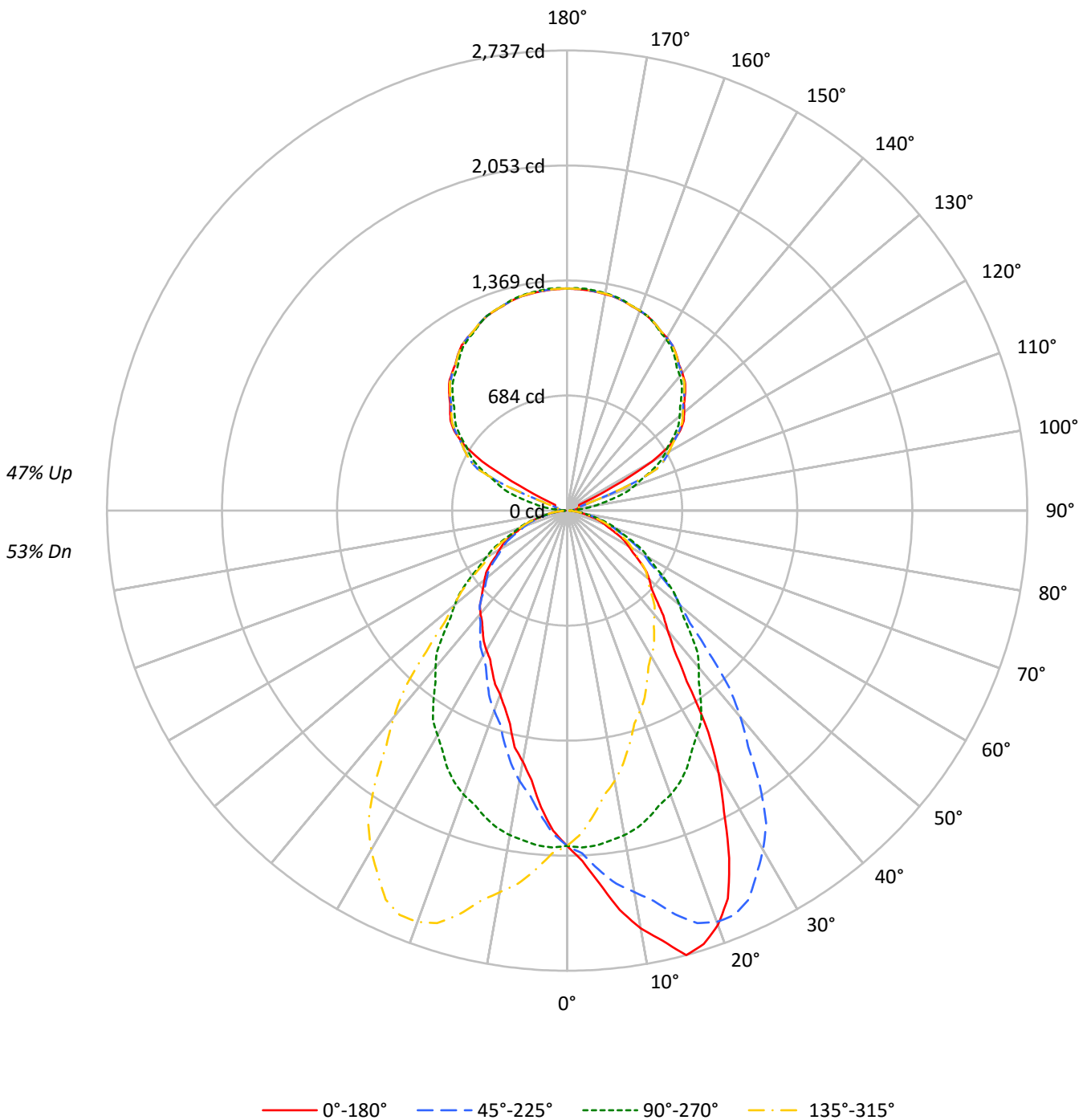
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	61	53	52	51	46
2	91	83	78	73	84	78	72	68	67	63	60	57	54	51	47	45	44	39
3	83	74	67	61	77	69	63	58	59	55	51	50	47	44	42	40	38	34
4	76	66	58	52	70	61	55	49	53	48	44	45	41	38	38	35	33	29
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	39	60	50	43	37	43	38	33	37	33	30	32	28	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	44	36	31	52	41	34	29	36	31	27	31	27	24	27	23	21	19
9	52	40	33	28	48	38	31	26	33	28	24	29	25	21	25	21	19	17
10	49	37	30	25	45	35	28	24	31	25	22	27	23	20	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32195	32195	32195	32195
5°	36094	32405	28716	32405
10°	41361	32139	24851	32139
15°	45757	31550	21956	31550
20°	45060	30917	20015	30917
25°	40631	30077	18786	30077
30°	33575	28732	17889	28732
35°	24471	27325	17251	27325
40°	19545	25665	16895	25665
45°	17080	23745	16413	23745
50°	16053	21886	16093	21886
55°	14798	19997	15662	19997
60°	13563	17990	14996	17990
65°	12355	16191	14346	16191
70°	11216	14436	13388	14436
75°	9944	12477	11859	12477
80°	8554	10330	9549	10330
85°	7669	7669	5687	7669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	2.3
10°-20°	552.1	6.7
20°-30°	801.2	9.7
30°-40°	845.5	10.2
40°-50°	748.6	9.0
50°-60°	597.4	7.2
60°-70°	406.1	4.9
70°-80°	208.2	2.5
80°-90°	53.5	0.6
90°-100°	44.1	0.5
100°-110°	161.5	2.0
110°-120°	431.8	5.2
120°-130°	712.8	8.6
130°-140°	758.0	9.2
140°-150°	704.6	8.5
150°-160°	566.5	6.8
160°-170°	365.0	4.4
170°-180°	125.6	1.5
0°-30°	1543.2	18.7
0°-40°	2388.7	28.9
0°-60°	3734.8	45.1
0°-90°	4402.5	53.2
90°-120°	637.4	7.7
90°-150°	2812.8	34.0
90°-180°	3870.0	46.8
0°-180°	8272.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1994	1994	1994	1994	1994	
5°	2227	1999	1772	1999	2227	222
15°	2737	1888	1314	1888	2737	755
25°	2281	1688	1054	1688	2281	1031
35°	1242	1386	875	1386	1242	807
45°	748	1040	719	1040	748	588
55°	526	710	556	710	526	471
65°	323	424	376	424	323	322
75°	159	200	190	200	159	170
85°	41	41	31	41	41	46
90°	26	1	26	1	26	13
95°	41	62	41	62	41	38
105°	73	290	73	290	73	76
115°	78	549	78	549	78	196
125°	817	777	817	777	817	707
135°	993	961	993	961	993	765
145°	1132	1115	1132	1115	1132	708
155°	1229	1228	1229	1228	1229	567
165°	1291	1294	1291	1294	1291	364
175°	1316	1323	1316	1323	1316	125
180°	1320	1320	1320	1320	1320	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2086.0	2086.6	2087.8	2078.0	2076.8	2076.8	2068.2	2060.9	2052.3	2040.6	2041.9
5°	2227.0	2235.4	2238.5	2229.3	2215.5	2214.0	2201.0	2179.5	2159.6	2143.5	2132.0
7.5°	2395.3	2398.7	2391.2	2379.1	2368.8	2350.4	2326.2	2302.4	2269.2	2238.7	2216.0
10°	2522.8	2527.4	2514.4	2496.8	2482.2	2460.8	2425.5	2389.5	2345.8	2303.7	2269.9
12.5°	2619.7	2631.0	2614.3	2612.0	2587.1	2557.6	2515.6	2497.4	2435.9	2377.2	2341.1
15°	2737.4	2736.6	2738.2	2723.6	2705.2	2700.6	2656.2	2607.9	2521.3	2486.8	2427.0
17.5°	2703.4	2715.0	2720.4	2720.2	2719.8	2716.9	2702.6	2672.1	2628.7	2572.8	2503.8
20°	2622.5	2637.8	2640.1	2657.7	2667.7	2680.7	2686.1	2677.6	2650.8	2604.1	2544.3
22.5°	2497.4	2501.7	2508.9	2536.3	2557.9	2590.6	2607.6	2635.9	2625.7	2602.8	2552.9
25°	2280.7	2273.0	2299.8	2313.6	2363.4	2415.5	2453.1	2494.5	2531.3	2553.5	2538.9
27.5°	2020.4	2008.9	2049.1	2085.7	2126.2	2182.6	2241.1	2310.2	2367.7	2439.6	2464.3
30°	1800.9	1807.8	1846.1	1885.2	1946.5	2026.2	2092.1	2168.0	2250.0	2330.5	2386.4
32.5°	1564.3	1590.8	1615.0	1674.9	1728.9	1817.8	1914.3	2009.2	2111.5	2203.0	2289.6
35°	1241.5	1272.1	1305.9	1349.5	1425.4	1513.5	1607.8	1735.8	1875.3	2000.2	2102.9
37.5°	1045.0	1040.1	1059.4	1091.0	1152.4	1223.6	1332.1	1458.5	1622.7	1769.5	1914.3
40°	927.3	924.2	938.0	967.1	1013.9	1066.0	1161.0	1272.1	1424.6	1604.0	1776.4
42.5°	846.4	848.2	855.9	876.4	908.4	951.3	1022.5	1117.0	1256.7	1425.6	1610.9
45°	748.0	753.3	761.8	771.7	790.1	825.4	865.2	932.7	1043.0	1184.0	1366.4
47.5°	677.1	677.3	685.9	694.6	705.5	725.4	757.9	800.2	878.1	992.9	1149.7
50°	639.1	633.8	639.9	646.8	658.3	672.1	693.5	733.4	785.5	878.2	1009.3
52.5°	592.5	592.7	598.2	600.8	611.1	624.9	644.5	672.1	719.3	791.8	899.5
55°	525.7	529.5	532.6	537.2	546.4	556.4	571.7	590.1	626.9	681.3	761.0
57.5°	462.9	464.1	467.2	475.9	481.7	490.9	505.5	522.2	546.1	586.4	646.3
60°	420.0	420.0	426.1	429.9	437.6	446.8	458.3	474.4	495.8	528.8	577.1
62.5°	380.7	380.1	382.6	388.8	394.7	403.3	414.7	428.4	448.6	477.9	517.6
65°	323.4	321.9	326.5	328.0	334.1	342.6	351.8	366.3	382.4	403.9	439.1
67.5°	268.2	270.1	272.5	275.4	278.8	287.7	293.8	304.1	317.7	335.5	359.4
70°	237.6	237.6	237.6	239.9	244.5	249.1	255.2	263.6	276.7	292.0	313.4
72.5°	203.2	205.7	208.1	206.8	212.6	215.3	222.7	227.5	239.9	249.7	268.7
75°	159.4	159.4	159.4	163.2	165.5	167.8	172.4	177.0	183.2	195.4	205.4
77.5°	118.9	118.6	119.4	120.3	122.8	125.5	126.9	131.0	136.7	142.4	150.8
80°	92.0	93.5	94.3	95.8	95.8	97.3	98.1	103.5	107.3	111.1	116.5
82.5°	71.1	71.4	71.6	71.9	72.5	73.4	75.4	77.1	78.5	81.7	85.8
85°	41.4	40.6	40.6	42.1	41.4	41.4	42.9	44.4	44.4	45.2	47.5
87.5°	21.1	21.0	21.5	20.8	20.8	21.2	21.0	20.2	20.6	21.0	21.3
90°	25.8	25.4	24.9	24.5	24.1	23.4	22.3	21.2	20.2	19.1	17.4
92.5°	25.8	25.5	25.3	25.0	24.8	24.4	23.8	23.3	22.7	22.2	21.3
95°	41.1	41.3	41.5	41.7	41.9	41.5	40.5	39.4	38.3	37.3	35.8
97.5°	54.8	54.6	54.3	54.1	53.8	53.3	52.4	51.6	50.7	49.9	46.4
100°	64.0	63.6	63.2	62.7	62.3	61.3	59.6	57.9	56.2	54.5	50.9
102.5°	68.6	68.0	67.4	66.8	66.2	64.8	62.6	60.4	58.2	56.0	86.2
105°	72.6	71.8	70.9	70.1	69.2	67.6	65.3	63.0	60.6	58.3	116.3
107.5°	74.7	73.9	73.0	72.2	71.3	72.1	74.5	76.8	79.2	81.6	151.1
110°	75.5	74.6	73.8	72.9	72.1	82.3	103.5	124.7	146.0	167.2	228.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	76.3	75.6	74.9	74.2	73.5	111.9	189.4	266.8	344.3	421.8	436.9
115°	78.4	93.6	108.9	124.2	139.5	196.3	294.6	392.9	491.2	589.6	584.3
117.5°	319.9	370.2	420.4	470.6	520.9	557.9	581.7	605.4	629.2	653.0	649.4
120°	582.9	611.5	640.2	668.9	697.5	710.6	708.0	705.5	703.0	700.4	696.6
122.5°	727.4	732.9	738.5	744.0	749.6	751.6	750.1	748.6	747.0	745.5	741.3
125°	817.0	816.3	815.7	815.1	814.4	813.4	811.9	810.4	808.9	807.4	803.4
127.5°	873.5	873.4	873.3	873.2	873.0	871.9	869.7	867.6	865.4	863.2	860.2
130°	908.7	908.9	909.1	909.3	909.6	908.5	906.2	903.8	901.5	899.2	896.8
132.5°	943.1	943.3	943.5	943.7	944.0	943.1	941.1	939.1	937.1	935.1	932.7
135°	992.8	993.2	993.6	994.1	994.5	993.6	991.5	989.4	987.3	985.2	983.2
137.5°	1038.1	1038.8	1039.5	1040.3	1041.0	1040.3	1038.2	1036.1	1034.1	1032.0	1029.8
140°	1066.4	1067.4	1068.5	1069.6	1070.6	1070.2	1068.3	1066.4	1064.5	1062.6	1060.2
142.5°	1093.9	1095.0	1096.0	1097.1	1098.1	1097.8	1096.1	1094.3	1092.6	1090.8	1088.2
145°	1132.3	1133.4	1134.4	1135.5	1136.6	1136.3	1134.9	1133.4	1131.9	1130.4	1126.8
147.5°	1166.1	1167.0	1167.9	1168.8	1169.7	1169.6	1168.5	1167.4	1166.3	1165.2	1161.6
150°	1186.8	1187.8	1188.9	1190.0	1191.0	1190.9	1189.6	1188.4	1187.1	1185.8	1182.4
152.5°	1204.4	1205.8	1207.2	1208.6	1210.0	1210.0	1208.7	1207.5	1206.2	1204.9	1201.7
155°	1228.8	1230.5	1232.2	1233.9	1235.6	1235.8	1234.5	1233.3	1232.0	1230.7	1228.2
157.5°	1251.2	1252.8	1254.5	1256.1	1257.8	1257.9	1256.5	1255.0	1253.6	1252.1	1250.3
160°	1264.2	1265.7	1267.1	1268.6	1270.1	1270.2	1268.9	1267.7	1266.4	1265.1	1263.9
162.5°	1274.9	1276.7	1278.5	1280.3	1282.2	1282.4	1280.9	1279.5	1278.0	1276.6	1275.5
165°	1290.9	1292.4	1293.9	1295.4	1296.9	1296.9	1295.4	1293.9	1292.4	1290.9	1290.3
167.5°	1301.1	1303.0	1304.9	1306.8	1308.7	1308.9	1307.4	1305.9	1304.4	1303.0	1302.4
170°	1307.2	1309.1	1311.0	1312.9	1314.8	1315.0	1313.5	1312.1	1310.6	1309.1	1308.7
172.5°	1311.8	1313.7	1315.6	1317.5	1319.4	1319.6	1318.1	1316.6	1315.2	1313.7	1313.2
175°	1315.8	1317.9	1320.0	1322.1	1324.3	1324.6	1323.1	1321.6	1320.1	1318.6	1318.2
177.5°	1318.3	1319.8	1321.3	1322.8	1324.4	1324.5	1323.3	1322.2	1321.0	1319.8	1319.6
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2046.2	2041.3	2038.2	2027.2	2017.3	2007.5	2004.5	2005.7	1992.2	1979.3	1973.8
5°	2125.9	2110.5	2096.0	2075.3	2050.8	2023.9	2010.1	1999.4	1972.6	1943.5	1926.6
7.5°	2197.3	2175.4	2147.3	2108.4	2072.7	2030.5	2003.7	1979.9	1940.7	1899.6	1874.5
10°	2240.8	2210.9	2174.9	2127.4	2083.7	2032.4	1996.3	1960.3	1914.3	1865.3	1834.6
12.5°	2278.2	2237.9	2202.5	2141.5	2089.8	2025.6	1982.9	1932.1	1883.7	1825.4	1795.4
15°	2367.3	2292.9	2225.5	2156.5	2092.9	2003.2	1955.7	1887.5	1823.9	1751.9	1717.4
17.5°	2436.1	2352.5	2246.3	2158.7	2084.5	1985.2	1915.4	1833.7	1758.5	1676.2	1629.3
20°	2475.3	2379.5	2265.3	2161.1	2072.2	1958.8	1882.9	1799.4	1711.3	1618.5	1568.0
22.5°	2498.6	2397.9	2285.0	2151.9	2047.7	1937.3	1841.8	1750.3	1661.0	1560.9	1507.9
25°	2506.0	2414.0	2294.5	2144.3	2017.0	1892.1	1777.2	1688.3	1580.2	1486.7	1409.3
27.5°	2469.5	2403.6	2288.6	2129.8	1981.6	1835.6	1707.4	1606.7	1492.7	1391.2	1313.4
30°	2424.7	2386.4	2274.5	2115.1	1953.4	1796.3	1655.3	1541.1	1427.7	1325.0	1245.3
32.5°	2355.5	2347.2	2248.8	2094.3	1923.4	1746.7	1600.8	1485.3	1359.7	1258.8	1182.8
35°	2219.4	2256.1	2194.1	2047.7	1866.8	1676.0	1518.1	1386.3	1256.1	1159.5	1088.2
37.5°	2037.0	2128.3	2112.1	1979.5	1790.5	1599.1	1424.8	1287.0	1162.9	1065.4	995.5
40°	1911.3	2027.8	2044.6	1927.4	1736.6	1539.6	1354.9	1217.7	1096.6	1007.8	937.2
42.5°	1776.4	1912.5	1958.8	1864.8	1677.7	1477.1	1292.4	1150.3	1030.4	944.0	881.5
45°	1550.3	1730.4	1814.0	1760.3	1579.5	1374.1	1184.0	1039.9	931.1	849.9	801.6
47.5°	1339.0	1535.8	1648.1	1629.1	1470.2	1266.8	1078.9	940.6	834.7	769.9	726.7
50°	1189.4	1391.7	1527.3	1533.5	1391.7	1190.1	1001.6	871.3	774.0	713.5	678.2
52.5°	1059.4	1252.5	1400.4	1432.9	1304.0	1110.4	932.3	802.7	717.0	661.4	629.8
55°	889.7	1053.0	1217.0	1276.7	1173.3	989.4	824.6	710.4	629.9	591.6	564.0
57.5°	739.7	875.8	1027.2	1093.3	1029.5	872.1	717.6	618.4	553.2	519.6	498.4
60°	660.6	767.9	902.8	981.7	926.5	786.3	651.4	557.1	503.5	473.6	453.7
62.5°	587.0	682.1	796.1	868.3	838.2	706.0	585.2	502.0	455.7	427.6	413.2
65°	484.3	559.4	647.6	714.2	694.3	593.9	495.1	423.8	387.0	364.8	353.3
67.5°	398.8	453.1	514.2	572.6	556.5	485.4	406.0	350.5	323.1	303.9	297.0
70°	344.9	386.2	440.7	487.4	474.4	416.1	353.3	305.8	282.0	265.9	259.0
72.5°	293.4	327.4	368.9	407.1	398.3	349.9	297.5	261.6	243.4	228.5	222.9
75°	221.5	247.5	272.8	298.1	295.8	258.3	227.6	200.0	185.5	174.0	171.7
77.5°	163.5	178.1	195.3	210.3	206.1	184.7	160.6	144.8	134.1	126.4	125.2
80°	124.9	133.3	145.6	156.3	151.0	141.8	122.6	111.1	103.5	95.8	92.7
82.5°	90.6	99.0	106.4	112.2	108.1	99.5	87.7	79.9	75.3	70.0	68.8
85°	47.5	52.1	55.2	56.7	55.2	49.8	44.4	41.4	37.6	35.3	34.5
87.5°	21.5	21.2	20.9	21.7	19.4	18.9	16.0	13.7	13.5	13.4	12.6
90°	15.7	14.0	12.3	10.3	8.0	5.6	3.3	1.0	3.3	5.6	8.0
92.5°	20.5	19.6	18.8	18.5	18.7	18.9	19.1	19.3	19.1	18.9	18.7
95°	34.3	32.8	31.3	34.1	41.1	48.1	55.1	62.1	55.1	48.1	41.1
97.5°	43.0	39.6	36.1	44.3	64.0	83.8	103.5	123.3	103.5	83.8	64.0
100°	47.2	43.6	40.0	52.8	81.9	110.9	140.0	169.1	140.0	110.9	81.9
102.5°	116.4	146.6	176.8	194.9	201.1	207.3	213.4	219.6	213.4	207.3	201.1
105°	174.2	232.2	290.2	316.0	309.6	303.2	296.9	290.5	296.9	303.2	309.6
107.5°	220.6	290.2	359.7	391.9	386.7	381.6	376.5	371.3	376.5	381.6	386.7
110°	290.0	351.3	412.7	441.1	436.7	432.2	427.8	423.3	427.8	432.2	436.7



TEST NUMBER: P331597

CATALOG NUMBER: S122DIW-S1005D970U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	452.1	467.3	482.4	488.0	484.1	480.1	476.2	472.2	476.2	480.1	484.1
115°	578.9	573.6	568.3	563.9	560.3	556.7	553.0	549.4	553.0	556.7	560.3
117.5°	645.7	642.1	638.4	634.6	630.5	626.5	622.5	618.4	622.5	626.5	630.5
120°	692.8	688.9	685.1	681.6	678.4	675.2	672.1	668.9	672.1	675.2	678.4
122.5°	737.2	733.0	728.9	725.1	721.7	718.4	715.0	711.7	715.0	718.4	721.7
125°	799.4	795.3	791.3	787.9	785.1	782.4	779.6	776.8	779.6	782.4	785.1
127.5°	857.2	854.2	851.2	848.1	845.1	842.0	839.0	835.9	839.0	842.0	845.1
130°	894.5	892.1	889.8	886.9	883.5	880.2	876.8	873.4	876.8	880.2	883.5
132.5°	930.4	928.1	925.7	923.1	920.2	917.4	914.5	911.6	914.5	917.4	920.2
135°	981.3	979.4	977.5	974.9	971.5	968.1	964.7	961.3	964.7	968.1	971.5
137.5°	1027.6	1025.5	1023.3	1021.0	1018.7	1016.3	1013.9	1011.5	1013.9	1016.3	1018.7
140°	1057.9	1055.5	1053.2	1051.2	1049.5	1047.8	1046.1	1044.4	1046.1	1047.8	1049.5
142.5°	1085.5	1082.8	1080.1	1078.0	1076.5	1075.0	1073.4	1071.9	1073.4	1075.0	1076.5
145°	1123.2	1119.6	1116.0	1114.3	1114.5	1114.7	1114.9	1115.1	1114.9	1114.7	1114.5
147.5°	1158.0	1154.5	1150.9	1149.5	1150.3	1151.1	1151.9	1152.8	1151.9	1151.1	1150.3
150°	1179.0	1175.6	1172.2	1171.3	1172.8	1174.2	1175.7	1177.2	1175.7	1174.2	1172.8
152.5°	1198.5	1195.2	1192.0	1191.2	1192.9	1194.5	1196.2	1197.9	1196.2	1194.5	1192.9
155°	1225.6	1223.1	1220.5	1220.2	1222.1	1224.0	1225.9	1227.9	1225.9	1224.0	1222.1
157.5°	1248.6	1246.8	1245.0	1244.9	1246.5	1248.1	1249.8	1251.4	1249.8	1248.1	1246.5
160°	1262.6	1261.3	1260.0	1260.0	1261.3	1262.6	1263.9	1265.1	1263.9	1262.6	1261.3
162.5°	1274.4	1273.3	1272.2	1272.3	1273.5	1274.8	1276.1	1277.4	1276.1	1274.8	1273.5
165°	1289.6	1289.0	1288.4	1288.7	1290.0	1291.2	1292.5	1293.8	1292.5	1291.2	1290.0
167.5°	1301.8	1301.2	1300.6	1300.9	1302.2	1303.5	1304.7	1306.0	1304.7	1303.5	1302.2
170°	1308.2	1307.8	1307.4	1307.8	1309.1	1310.4	1311.6	1312.9	1311.6	1310.4	1309.1
172.5°	1312.8	1312.4	1312.0	1312.4	1313.7	1314.9	1316.2	1317.5	1316.2	1314.9	1313.7
175°	1317.8	1317.4	1316.9	1317.5	1319.0	1320.4	1321.9	1323.4	1321.9	1320.4	1319.0
177.5°	1319.4	1319.3	1319.1	1319.6	1320.8	1322.0	1323.2	1324.4	1323.2	1322.0	1320.8
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CATALOG NUMBER: S122DIW-S1005D970U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1967.7	1964.0	1951.1	1944.4	1933.4	1922.9	1916.2	1919.3	1921.7	1920.5	1918.6
5°	1911.3	1896.7	1874.5	1855.3	1841.5	1816.3	1805.5	1800.2	1795.6	1790.2	1784.8
7.5°	1844.1	1821.2	1789.3	1762.0	1736.2	1704.8	1686.9	1676.2	1665.1	1653.0	1642.3
10°	1796.3	1764.1	1730.4	1692.1	1661.5	1633.1	1607.8	1590.9	1575.6	1561.1	1550.3
12.5°	1746.1	1709.0	1667.3	1614.9	1581.1	1540.5	1536.7	1507.0	1483.0	1474.0	1461.4
15°	1666.0	1613.9	1561.1	1499.0	1472.2	1435.4	1412.4	1389.4	1368.7	1354.1	1350.3
17.5°	1575.2	1507.7	1455.1	1410.5	1366.6	1328.9	1307.7	1289.3	1272.3	1252.8	1250.2
20°	1505.9	1447.6	1390.2	1351.1	1305.9	1267.5	1241.5	1223.1	1208.5	1197.0	1187.1
22.5°	1440.3	1376.5	1323.9	1281.2	1236.6	1205.6	1185.1	1167.3	1155.2	1142.5	1133.1
25°	1335.0	1285.2	1227.7	1179.4	1142.6	1122.7	1105.8	1090.5	1082.9	1074.4	1063.7
27.5°	1242.9	1187.5	1133.7	1096.3	1064.0	1046.4	1034.4	1024.0	1016.8	1011.9	1005.8
30°	1177.9	1121.9	1079.8	1043.0	1016.2	998.6	990.9	984.8	976.3	973.3	970.2
32.5°	1115.3	1064.9	1028.9	997.0	971.4	959.9	952.9	947.4	940.8	937.7	931.6
35°	1026.9	984.8	949.5	931.9	911.2	901.2	895.9	888.2	882.1	879.0	878.2
37.5°	943.7	907.1	883.9	861.2	852.5	846.4	839.0	833.8	832.0	831.5	830.7
40°	889.7	859.8	839.2	820.8	816.9	807.7	801.6	797.0	797.0	797.8	797.0
42.5°	840.7	813.9	795.6	779.7	775.2	769.7	763.6	763.3	764.5	767.1	764.5
45°	766.4	747.2	734.2	726.5	718.1	712.7	711.9	714.2	715.0	715.8	718.1
47.5°	698.0	685.3	673.5	665.0	661.4	660.4	659.5	663.5	667.2	668.6	672.1
50°	657.5	643.0	633.0	627.6	624.6	623.0	624.6	629.2	632.2	636.1	638.4
52.5°	612.2	601.9	595.0	590.9	589.6	590.6	590.9	596.1	601.0	602.4	603.4
55°	549.5	541.8	540.3	533.4	536.4	535.7	539.5	542.6	547.2	551.8	552.5
57.5°	486.9	480.8	476.7	477.3	478.2	481.6	484.8	490.2	495.1	500.0	500.4
60°	445.3	442.2	439.9	439.9	441.4	446.0	449.8	455.2	458.3	461.3	463.6
62.5°	407.2	404.2	401.9	403.1	407.1	409.8	414.3	417.2	420.3	423.3	424.4
65°	347.2	345.6	347.9	349.5	350.2	354.1	359.4	361.7	364.8	366.3	371.7
67.5°	291.8	292.1	291.8	294.0	298.4	299.3	304.4	309.8	310.4	313.3	316.8
70°	254.4	256.0	257.5	259.0	262.9	264.4	268.2	270.5	273.6	275.9	278.2
72.5°	220.1	220.4	221.9	221.6	224.8	228.2	231.4	233.7	236.8	239.7	242.0
75°	169.4	169.4	170.9	171.7	175.5	179.3	178.6	180.1	183.2	186.2	187.8
77.5°	123.7	122.0	123.7	124.5	125.7	128.9	129.5	131.7	135.2	134.1	135.8
80°	94.3	92.0	94.3	95.0	95.0	98.9	98.9	100.4	102.7	100.4	102.7
82.5°	67.3	66.2	67.9	68.1	69.3	69.4	70.7	71.0	73.3	72.2	73.3
85°	33.7	33.0	33.7	33.0	33.7	34.5	34.5	33.7	33.7	35.3	33.0
87.5°	12.5	12.3	12.0	12.3	12.1	11.8	11.4	11.6	11.8	10.8	11.0
90°	10.3	12.3	14.0	15.7	17.4	19.1	20.2	21.2	22.3	23.4	24.1
92.5°	18.5	18.8	19.6	20.5	21.3	22.2	22.7	23.3	23.8	24.4	24.8
95°	34.1	31.3	32.8	34.3	35.8	37.3	38.3	39.4	40.5	41.5	41.9
97.5°	44.3	36.1	39.6	43.0	46.4	49.9	50.7	51.6	52.4	53.3	53.8
100°	52.8	40.0	43.6	47.2	50.9	54.5	56.2	57.9	59.6	61.3	62.3
102.5°	194.9	176.8	146.6	116.4	86.2	56.0	58.2	60.4	62.6	64.8	66.2
105°	316.0	290.2	232.2	174.2	116.3	58.3	60.6	63.0	65.3	67.6	69.2
107.5°	391.9	359.7	290.2	220.6	151.1	81.6	79.2	76.8	74.5	72.1	71.3
110°	441.1	412.7	351.3	290.0	228.6	167.2	146.0	124.7	103.5	82.3	72.1



TEST NUMBER: P331597

CATALOG NUMBER: S122DIW-S1005D970U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	488.0	482.4	467.3	452.1	436.9	421.8	344.3	266.8	189.4	111.9	73.5
115°	563.9	568.3	573.6	578.9	584.3	589.6	491.2	392.9	294.6	196.3	139.5
117.5°	634.6	638.4	642.1	645.7	649.4	653.0	629.2	605.4	581.7	557.9	520.9
120°	681.6	685.1	688.9	692.8	696.6	700.4	703.0	705.5	708.0	710.6	697.5
122.5°	725.1	728.9	733.0	737.2	741.3	745.5	747.0	748.6	750.1	751.6	749.6
125°	787.9	791.3	795.3	799.4	803.4	807.4	808.9	810.4	811.9	813.4	814.4
127.5°	848.1	851.2	854.2	857.2	860.2	863.2	865.4	867.6	869.7	871.9	873.0
130°	886.9	889.8	892.1	894.5	896.8	899.2	901.5	903.8	906.2	908.5	909.6
132.5°	923.1	925.7	928.1	930.4	932.7	935.1	937.1	939.1	941.1	943.1	944.0
135°	974.9	977.5	979.4	981.3	983.2	985.2	987.3	989.4	991.5	993.6	994.5
137.5°	1021.0	1023.3	1025.5	1027.6	1029.8	1032.0	1034.1	1036.1	1038.2	1040.3	1041.0
140°	1051.2	1053.2	1055.5	1057.9	1060.2	1062.6	1064.5	1066.4	1068.3	1070.2	1070.6
142.5°	1078.0	1080.1	1082.8	1085.5	1088.2	1090.8	1092.6	1094.3	1096.1	1097.8	1098.1
145°	1114.3	1116.0	1119.6	1123.2	1126.8	1130.4	1131.9	1133.4	1134.9	1136.3	1136.6
147.5°	1149.5	1150.9	1154.5	1158.0	1161.6	1165.2	1166.3	1167.4	1168.5	1169.6	1169.7
150°	1171.3	1172.2	1175.6	1179.0	1182.4	1185.8	1187.1	1188.4	1189.6	1190.9	1191.0
152.5°	1191.2	1192.0	1195.2	1198.5	1201.7	1204.9	1206.2	1207.5	1208.7	1210.0	1210.0
155°	1220.2	1220.5	1223.1	1225.6	1228.2	1230.7	1232.0	1233.3	1234.5	1235.8	1235.6
157.5°	1244.9	1245.0	1246.8	1248.6	1250.3	1252.1	1253.6	1255.0	1256.5	1257.9	1257.8
160°	1260.0	1260.0	1261.3	1262.6	1263.9	1265.1	1266.4	1267.7	1268.9	1270.2	1270.1
162.5°	1272.3	1272.2	1273.3	1274.4	1275.5	1276.6	1278.0	1279.5	1280.9	1282.4	1282.2
165°	1288.7	1288.4	1289.0	1289.6	1290.3	1290.9	1292.4	1293.9	1295.4	1296.9	1296.9
167.5°	1300.9	1300.6	1301.2	1301.8	1302.4	1303.0	1304.4	1305.9	1307.4	1308.9	1308.7
170°	1307.8	1307.4	1307.8	1308.2	1308.7	1309.1	1310.6	1312.1	1313.5	1315.0	1314.8
172.5°	1312.4	1312.0	1312.4	1312.8	1313.2	1313.7	1315.2	1316.6	1318.1	1319.6	1319.4
175°	1317.5	1316.9	1317.4	1317.8	1318.2	1318.6	1320.1	1321.6	1323.1	1324.6	1324.3
177.5°	1319.6	1319.1	1319.3	1319.4	1319.6	1319.8	1321.0	1322.2	1323.3	1324.5	1324.4
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P331597

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1912.5	1911.3	1911.3	1905.8	1911.3	1911.3	1912.5	1918.6	1920.5	1921.7	1919.3
5°	1774.1	1771.8	1768.0	1771.8	1768.0	1771.8	1774.1	1784.8	1790.2	1795.6	1800.2
7.5°	1637.2	1628.0	1626.7	1617.6	1626.7	1628.0	1637.2	1642.3	1653.0	1665.1	1676.2
10°	1537.3	1531.2	1530.4	1515.8	1530.4	1531.2	1537.3	1550.3	1561.1	1575.6	1590.9
12.5°	1461.3	1446.6	1449.5	1441.0	1449.5	1446.6	1461.3	1461.4	1474.0	1483.0	1507.0
15°	1329.6	1329.6	1326.6	1313.5	1326.6	1329.6	1329.6	1350.3	1354.1	1368.7	1389.4
17.5°	1235.1	1233.5	1226.2	1229.8	1226.2	1233.5	1235.1	1250.2	1252.8	1272.3	1289.3
20°	1178.6	1174.1	1164.9	1164.9	1164.9	1174.1	1178.6	1187.1	1197.0	1208.5	1223.1
22.5°	1125.3	1125.0	1115.2	1118.3	1115.2	1125.0	1125.3	1133.1	1142.5	1155.2	1167.3
25°	1062.9	1056.8	1052.2	1054.5	1052.2	1056.8	1062.9	1063.7	1074.4	1082.9	1090.5
27.5°	1003.8	1000.4	1000.1	993.8	1000.1	1000.4	1003.8	1005.8	1011.9	1016.8	1024.0
30°	969.4	961.8	963.3	959.5	963.3	961.8	969.4	970.2	973.3	976.3	984.8
32.5°	930.2	927.4	925.9	922.7	925.9	927.4	930.2	931.6	937.7	940.8	947.4
35°	876.7	877.5	873.6	875.2	873.6	877.5	876.7	878.2	879.0	882.1	888.2
37.5°	830.0	832.4	830.6	831.0	830.6	832.4	830.0	830.7	831.5	832.0	833.8
40°	799.3	799.3	799.3	801.6	799.3	799.3	799.3	797.0	797.8	797.0	797.0
42.5°	769.9	768.7	767.4	767.3	767.4	768.7	769.9	764.5	767.1	764.5	763.3
45°	719.6	721.9	722.7	718.8	722.7	721.9	719.6	718.1	715.8	715.0	714.2
47.5°	674.1	674.4	674.1	677.5	674.1	674.4	674.1	672.1	668.6	667.2	663.5
50°	642.2	640.7	642.2	640.7	642.2	640.7	642.2	638.4	636.1	632.2	629.2
52.5°	608.5	608.8	607.9	607.6	607.9	608.8	608.5	603.4	602.4	601.0	596.1
55°	555.6	557.1	556.4	556.4	556.4	557.1	555.6	552.5	551.8	547.2	542.6
57.5°	500.9	502.3	503.3	500.0	503.3	502.3	500.9	500.4	500.0	495.1	490.2
60°	462.9	466.7	465.9	464.4	465.9	466.7	462.9	463.6	461.3	458.3	455.2
62.5°	427.9	429.3	429.2	428.9	429.2	429.3	427.9	424.4	423.3	420.3	417.2
65°	374.0	375.5	373.2	375.5	373.2	375.5	374.0	371.7	366.3	364.8	361.7
67.5°	315.9	316.4	318.0	319.1	318.0	316.4	315.9	316.8	313.3	310.4	309.8
70°	279.7	279.0	281.3	283.6	281.3	279.0	279.7	278.2	275.9	273.6	270.5
72.5°	241.7	243.4	242.6	244.3	242.6	243.4	241.7	242.0	239.7	236.8	233.7
75°	186.2	188.5	187.8	190.1	187.8	188.5	186.2	187.8	186.2	183.2	180.1
77.5°	134.6	134.9	134.6	135.8	134.6	134.9	134.6	135.8	134.1	135.2	131.7
80°	102.7	101.2	99.6	102.7	99.6	101.2	102.7	102.7	100.4	102.7	100.4
82.5°	71.4	72.3	70.8	70.8	70.8	72.3	71.4	73.3	72.2	73.3	71.0
85°	33.0	32.2	30.7	30.7	30.7	32.2	33.0	33.0	35.3	33.7	33.7
87.5°	11.0	10.5	10.6	10.1	10.6	10.5	11.0	11.0	10.8	11.8	11.6
90°	24.5	24.9	25.4	25.8	25.4	24.9	24.5	24.1	23.4	22.3	21.2
92.5°	25.0	25.3	25.5	25.8	25.5	25.3	25.0	24.8	24.4	23.8	23.3
95°	41.7	41.5	41.3	41.1	41.3	41.5	41.7	41.9	41.5	40.5	39.4
97.5°	54.1	54.3	54.6	54.8	54.6	54.3	54.1	53.8	53.3	52.4	51.6
100°	62.7	63.2	63.6	64.0	63.6	63.2	62.7	62.3	61.3	59.6	57.9
102.5°	66.8	67.4	68.0	68.6	68.0	67.4	66.8	66.2	64.8	62.6	60.4
105°	70.1	70.9	71.8	72.6	71.8	70.9	70.1	69.2	67.6	65.3	63.0
107.5°	72.2	73.0	73.9	74.7	73.9	73.0	72.2	71.3	72.1	74.5	76.8
110°	72.9	73.8	74.6	75.5	74.6	73.8	72.9	72.1	82.3	103.5	124.7



TEST NUMBER: P331597

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	74.2	74.9	75.6	76.3	75.6	74.9	74.2	73.5	111.9	189.4	266.8
115°	124.2	108.9	93.6	78.4	93.6	108.9	124.2	139.5	196.3	294.6	392.9
117.5°	470.6	420.4	370.2	319.9	370.2	420.4	470.6	520.9	557.9	581.7	605.4
120°	668.9	640.2	611.5	582.9	611.5	640.2	668.9	697.5	710.6	708.0	705.5
122.5°	744.0	738.5	732.9	727.4	732.9	738.5	744.0	749.6	751.6	750.1	748.6
125°	815.1	815.7	816.3	817.0	816.3	815.7	815.1	814.4	813.4	811.9	810.4
127.5°	873.2	873.3	873.4	873.5	873.4	873.3	873.2	873.0	871.9	869.7	867.6
130°	909.3	909.1	908.9	908.7	908.9	909.1	909.3	909.6	908.5	906.2	903.8
132.5°	943.7	943.5	943.3	943.1	943.3	943.5	943.7	944.0	943.1	941.1	939.1
135°	994.1	993.6	993.2	992.8	993.2	993.6	994.1	994.5	993.6	991.5	989.4
137.5°	1040.3	1039.5	1038.8	1038.1	1038.8	1039.5	1040.3	1041.0	1040.3	1038.2	1036.1
140°	1069.6	1068.5	1067.4	1066.4	1067.4	1068.5	1069.6	1070.6	1070.2	1068.3	1066.4
142.5°	1097.1	1096.0	1095.0	1093.9	1095.0	1096.0	1097.1	1098.1	1097.8	1096.1	1094.3
145°	1135.5	1134.4	1133.4	1132.3	1133.4	1134.4	1135.5	1136.6	1136.3	1134.9	1133.4
147.5°	1168.8	1167.9	1167.0	1166.1	1167.0	1167.9	1168.8	1169.7	1169.6	1168.5	1167.4
150°	1190.0	1188.9	1187.8	1186.8	1187.8	1188.9	1190.0	1191.0	1190.9	1189.6	1188.4
152.5°	1208.6	1207.2	1205.8	1204.4	1205.8	1207.2	1208.6	1210.0	1210.0	1208.7	1207.5
155°	1233.9	1232.2	1230.5	1228.8	1230.5	1232.2	1233.9	1235.6	1235.8	1234.5	1233.3
157.5°	1256.1	1254.5	1252.8	1251.2	1252.8	1254.5	1256.1	1257.8	1257.9	1256.5	1255.0
160°	1268.6	1267.1	1265.7	1264.2	1265.7	1267.1	1268.6	1270.1	1270.2	1268.9	1267.7
162.5°	1280.3	1278.5	1276.7	1274.9	1276.7	1278.5	1280.3	1282.2	1282.4	1280.9	1279.5
165°	1295.4	1293.9	1292.4	1290.9	1292.4	1293.9	1295.4	1296.9	1296.9	1295.4	1293.9
167.5°	1306.8	1304.9	1303.0	1301.1	1303.0	1304.9	1306.8	1308.7	1308.9	1307.4	1305.9
170°	1312.9	1311.0	1309.1	1307.2	1309.1	1311.0	1312.9	1314.8	1315.0	1313.5	1312.1
172.5°	1317.5	1315.6	1313.7	1311.8	1313.7	1315.6	1317.5	1319.4	1319.6	1318.1	1316.6
175°	1322.1	1320.0	1317.9	1315.8	1317.9	1320.0	1322.1	1324.3	1324.6	1323.1	1321.6
177.5°	1322.8	1321.3	1319.8	1318.3	1319.8	1321.3	1322.8	1324.4	1324.5	1323.3	1322.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1916.2	1922.9	1933.4	1944.4	1951.1	1964.0	1967.7	1973.8	1979.3	1992.2	2005.7
5°	1805.5	1816.3	1841.5	1855.3	1874.5	1896.7	1911.3	1926.6	1943.5	1972.6	1999.4
7.5°	1686.9	1704.8	1736.2	1762.0	1789.3	1821.2	1844.1	1874.5	1899.6	1940.7	1979.9
10°	1607.8	1633.1	1661.5	1692.1	1730.4	1764.1	1796.3	1834.6	1865.3	1914.3	1960.3
12.5°	1536.7	1540.5	1581.1	1614.9	1667.3	1709.0	1746.1	1795.4	1825.4	1883.7	1932.1
15°	1412.4	1435.4	1472.2	1499.0	1561.1	1613.9	1666.0	1717.4	1751.9	1823.9	1887.5
17.5°	1307.7	1328.9	1366.6	1410.5	1455.1	1507.7	1575.2	1629.3	1676.2	1758.5	1833.7
20°	1241.5	1267.5	1305.9	1351.1	1390.2	1447.6	1505.9	1568.0	1618.5	1711.3	1799.4
22.5°	1185.1	1205.6	1236.6	1281.2	1323.9	1376.5	1440.3	1507.9	1560.9	1661.0	1750.3
25°	1105.8	1122.7	1142.6	1179.4	1227.7	1285.2	1335.0	1409.3	1486.7	1580.2	1688.3
27.5°	1034.4	1046.4	1064.0	1096.3	1133.7	1187.5	1242.9	1313.4	1391.2	1492.7	1606.7
30°	990.9	998.6	1016.2	1043.0	1079.8	1121.9	1177.9	1245.3	1325.0	1427.7	1541.1
32.5°	952.9	959.9	971.4	997.0	1028.9	1064.9	1115.3	1182.8	1258.8	1359.7	1485.3
35°	895.9	901.2	911.2	931.9	949.5	984.8	1026.9	1088.2	1159.5	1256.1	1386.3
37.5°	839.0	846.4	852.5	861.2	883.9	907.1	943.7	995.5	1065.4	1162.9	1287.0
40°	801.6	807.7	816.9	820.8	839.2	859.8	889.7	937.2	1007.8	1096.6	1217.7
42.5°	763.6	769.7	775.2	779.7	795.6	813.9	840.7	881.5	944.0	1030.4	1150.3
45°	711.9	712.7	718.1	726.5	734.2	747.2	766.4	801.6	849.9	931.1	1039.9
47.5°	659.5	660.4	661.4	665.0	673.5	685.3	698.0	726.7	769.9	834.7	940.6
50°	624.6	623.0	624.6	627.6	633.0	643.0	657.5	678.2	713.5	774.0	871.3
52.5°	590.9	590.6	589.6	590.9	595.0	601.9	612.2	629.8	661.4	717.0	802.7
55°	539.5	535.7	536.4	533.4	540.3	541.8	549.5	564.0	591.6	629.9	710.4
57.5°	484.8	481.6	478.2	477.3	476.7	480.8	486.9	498.4	519.6	553.2	618.4
60°	449.8	446.0	441.4	439.9	439.9	442.2	445.3	453.7	473.6	503.5	557.1
62.5°	414.3	409.8	407.1	403.1	401.9	404.2	407.2	413.2	427.6	455.7	502.0
65°	359.4	354.1	350.2	349.5	347.9	345.6	347.2	353.3	364.8	387.0	423.8
67.5°	304.4	299.3	298.4	294.0	291.8	292.1	291.8	297.0	303.9	323.1	350.5
70°	268.2	264.4	262.9	259.0	257.5	256.0	254.4	259.0	265.9	282.0	305.8
72.5°	231.4	228.2	224.8	221.6	221.9	220.4	220.1	222.9	228.5	243.4	261.6
75°	178.6	179.3	175.5	171.7	170.9	169.4	169.4	171.7	174.0	185.5	200.0
77.5°	129.5	128.9	125.7	124.5	123.7	122.0	123.7	125.2	126.4	134.1	144.8
80°	98.9	98.9	95.0	95.0	94.3	92.0	94.3	92.7	95.8	103.5	111.1
82.5°	70.7	69.4	69.3	68.1	67.9	66.2	67.3	68.8	70.0	75.3	79.9
85°	34.5	34.5	33.7	33.0	33.7	33.0	33.7	34.5	35.3	37.6	41.4
87.5°	11.4	11.8	12.1	12.3	12.0	12.3	12.5	12.6	13.4	13.5	13.7
90°	20.2	19.1	17.4	15.7	14.0	12.3	10.3	8.0	5.6	3.3	1.0
92.5°	22.7	22.2	21.3	20.5	19.6	18.8	18.5	18.7	18.9	19.1	19.3
95°	38.3	37.3	35.8	34.3	32.8	31.3	34.1	41.1	48.1	55.1	62.1
97.5°	50.7	49.9	46.4	43.0	39.6	36.1	44.3	64.0	83.8	103.5	123.3
100°	56.2	54.5	50.9	47.2	43.6	40.0	52.8	81.9	110.9	140.0	169.1
102.5°	58.2	56.0	86.2	116.4	146.6	176.8	194.9	201.1	207.3	213.4	219.6
105°	60.6	58.3	116.3	174.2	232.2	290.2	316.0	309.6	303.2	296.9	290.5
107.5°	79.2	81.6	151.1	220.6	290.2	359.7	391.9	386.7	381.6	376.5	371.3
110°	146.0	167.2	228.6	290.0	351.3	412.7	441.1	436.7	432.2	427.8	423.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	344.3	421.8	436.9	452.1	467.3	482.4	488.0	484.1	480.1	476.2	472.2
115°	491.2	589.6	584.3	578.9	573.6	568.3	563.9	560.3	556.7	553.0	549.4
117.5°	629.2	653.0	649.4	645.7	642.1	638.4	634.6	630.5	626.5	622.5	618.4
120°	703.0	700.4	696.6	692.8	688.9	685.1	681.6	678.4	675.2	672.1	668.9
122.5°	747.0	745.5	741.3	737.2	733.0	728.9	725.1	721.7	718.4	715.0	711.7
125°	808.9	807.4	803.4	799.4	795.3	791.3	787.9	785.1	782.4	779.6	776.8
127.5°	865.4	863.2	860.2	857.2	854.2	851.2	848.1	845.1	842.0	839.0	835.9
130°	901.5	899.2	896.8	894.5	892.1	889.8	886.9	883.5	880.2	876.8	873.4
132.5°	937.1	935.1	932.7	930.4	928.1	925.7	923.1	920.2	917.4	914.5	911.6
135°	987.3	985.2	983.2	981.3	979.4	977.5	974.9	971.5	968.1	964.7	961.3
137.5°	1034.1	1032.0	1029.8	1027.6	1025.5	1023.3	1021.0	1018.7	1016.3	1013.9	1011.5
140°	1064.5	1062.6	1060.2	1057.9	1055.5	1053.2	1051.2	1049.5	1047.8	1046.1	1044.4
142.5°	1092.6	1090.8	1088.2	1085.5	1082.8	1080.1	1078.0	1076.5	1075.0	1073.4	1071.9
145°	1131.9	1130.4	1126.8	1123.2	1119.6	1116.0	1114.3	1114.5	1114.7	1114.9	1115.1
147.5°	1166.3	1165.2	1161.6	1158.0	1154.5	1150.9	1149.5	1150.3	1151.1	1151.9	1152.8
150°	1187.1	1185.8	1182.4	1179.0	1175.6	1172.2	1171.3	1172.8	1174.2	1175.7	1177.2
152.5°	1206.2	1204.9	1201.7	1198.5	1195.2	1192.0	1191.2	1192.9	1194.5	1196.2	1197.9
155°	1232.0	1230.7	1228.2	1225.6	1223.1	1220.5	1220.2	1222.1	1224.0	1225.9	1227.9
157.5°	1253.6	1252.1	1250.3	1248.6	1246.8	1245.0	1244.9	1246.5	1248.1	1249.8	1251.4
160°	1266.4	1265.1	1263.9	1262.6	1261.3	1260.0	1260.0	1261.3	1262.6	1263.9	1265.1
162.5°	1278.0	1276.6	1275.5	1274.4	1273.3	1272.2	1272.3	1273.5	1274.8	1276.1	1277.4
165°	1292.4	1290.9	1290.3	1289.6	1289.0	1288.4	1288.7	1290.0	1291.2	1292.5	1293.8
167.5°	1304.4	1303.0	1302.4	1301.8	1301.2	1300.6	1300.9	1302.2	1303.5	1304.7	1306.0
170°	1310.6	1309.1	1308.7	1308.2	1307.8	1307.4	1307.8	1309.1	1310.4	1311.6	1312.9
172.5°	1315.2	1313.7	1313.2	1312.8	1312.4	1312.0	1312.4	1313.7	1314.9	1316.2	1317.5
175°	1320.1	1318.6	1318.2	1317.8	1317.4	1316.9	1317.5	1319.0	1320.4	1321.9	1323.4
177.5°	1321.0	1319.8	1319.6	1319.4	1319.3	1319.1	1319.6	1320.8	1322.0	1323.2	1324.4
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2004.5	2007.5	2017.3	2027.2	2038.2	2041.3	2046.2	2041.9	2040.6	2052.3	2060.9
5°	2010.1	2023.9	2050.8	2075.3	2096.0	2110.5	2125.9	2132.0	2143.5	2159.6	2179.5
7.5°	2003.7	2030.5	2072.7	2108.4	2147.3	2175.4	2197.3	2216.0	2238.7	2269.2	2302.4
10°	1996.3	2032.4	2083.7	2127.4	2174.9	2210.9	2240.8	2269.9	2303.7	2345.8	2389.5
12.5°	1982.9	2025.6	2089.8	2141.5	2202.5	2237.9	2278.2	2341.1	2377.2	2435.9	2497.4
15°	1955.7	2003.2	2092.9	2156.5	2225.5	2292.9	2367.3	2427.0	2486.8	2521.3	2607.9
17.5°	1915.4	1985.2	2084.5	2158.7	2246.3	2352.5	2436.1	2503.8	2572.8	2628.7	2672.1
20°	1882.9	1958.8	2072.2	2161.1	2265.3	2379.5	2475.3	2544.3	2604.1	2650.8	2677.6
22.5°	1841.8	1937.3	2047.7	2151.9	2285.0	2397.9	2498.6	2552.9	2602.8	2625.7	2635.9
25°	1777.2	1892.1	2017.0	2144.3	2294.5	2414.0	2506.0	2538.9	2553.5	2531.3	2494.5
27.5°	1707.4	1835.6	1981.6	2129.8	2288.6	2403.6	2469.5	2464.3	2439.6	2367.7	2310.2
30°	1655.3	1796.3	1953.4	2115.1	2274.5	2386.4	2424.7	2386.4	2330.5	2250.0	2168.0
32.5°	1600.8	1746.7	1923.4	2094.3	2248.8	2347.2	2355.5	2289.6	2203.0	2111.5	2009.2
35°	1518.1	1676.0	1866.8	2047.7	2194.1	2256.1	2219.4	2102.9	2000.2	1875.3	1735.8
37.5°	1424.8	1599.1	1790.5	1979.5	2112.1	2128.3	2037.0	1914.3	1769.5	1622.7	1458.5
40°	1354.9	1539.6	1736.6	1927.4	2044.6	2027.8	1911.3	1776.4	1604.0	1424.6	1272.1
42.5°	1292.4	1477.1	1677.7	1864.8	1958.8	1912.5	1776.4	1610.9	1425.6	1256.7	1117.0
45°	1184.0	1374.1	1579.5	1760.3	1814.0	1730.4	1550.3	1366.4	1184.0	1043.0	932.7
47.5°	1078.9	1266.8	1470.2	1629.1	1648.1	1535.8	1339.0	1149.7	992.9	878.1	800.2
50°	1001.6	1190.1	1391.7	1533.5	1527.3	1391.7	1189.4	1009.3	878.2	785.5	733.4
52.5°	932.3	1110.4	1304.0	1432.9	1400.4	1252.5	1059.4	899.5	791.8	719.3	672.1
55°	824.6	989.4	1173.3	1276.7	1217.0	1053.0	889.7	761.0	681.3	626.9	590.1
57.5°	717.6	872.1	1029.5	1093.3	1027.2	875.8	739.7	646.3	586.4	546.1	522.2
60°	651.4	786.3	926.5	981.7	902.8	767.9	660.6	577.1	528.8	495.8	474.4
62.5°	585.2	706.0	838.2	868.3	796.1	682.1	587.0	517.6	477.9	448.6	428.4
65°	495.1	593.9	694.3	714.2	647.6	559.4	484.3	439.1	403.9	382.4	366.3
67.5°	406.0	485.4	556.5	572.6	514.2	453.1	398.8	359.4	335.5	317.7	304.1
70°	353.3	416.1	474.4	487.4	440.7	386.2	344.9	313.4	292.0	276.7	263.6
72.5°	297.5	349.9	398.3	407.1	368.9	327.4	293.4	268.7	249.7	239.9	227.5
75°	227.6	258.3	295.8	298.1	272.8	247.5	221.5	205.4	195.4	183.2	177.0
77.5°	160.6	184.7	206.1	210.3	195.3	178.1	163.5	150.8	142.4	136.7	131.0
80°	122.6	141.8	151.0	156.3	145.6	133.3	124.9	116.5	111.1	107.3	103.5
82.5°	87.7	99.5	108.1	112.2	106.4	99.0	90.6	85.8	81.7	78.5	77.1
85°	44.4	49.8	55.2	56.7	55.2	52.1	47.5	47.5	45.2	44.4	44.4
87.5°	16.0	18.9	19.4	21.7	20.9	21.2	21.5	21.3	21.0	20.6	20.2
90°	3.3	5.6	8.0	10.3	12.3	14.0	15.7	17.4	19.1	20.2	21.2
92.5°	19.1	18.9	18.7	18.5	18.8	19.6	20.5	21.3	22.2	22.7	23.3
95°	55.1	48.1	41.1	34.1	31.3	32.8	34.3	35.8	37.3	38.3	39.4
97.5°	103.5	83.8	64.0	44.3	36.1	39.6	43.0	46.4	49.9	50.7	51.6
100°	140.0	110.9	81.9	52.8	40.0	43.6	47.2	50.9	54.5	56.2	57.9
102.5°	213.4	207.3	201.1	194.9	176.8	146.6	116.4	86.2	56.0	58.2	60.4
105°	296.9	303.2	309.6	316.0	290.2	232.2	174.2	116.3	58.3	60.6	63.0
107.5°	376.5	381.6	386.7	391.9	359.7	290.2	220.6	151.1	81.6	79.2	76.8
110°	427.8	432.2	436.7	441.1	412.7	351.3	290.0	228.6	167.2	146.0	124.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	476.2	480.1	484.1	488.0	482.4	467.3	452.1	436.9	421.8	344.3	266.8
115°	553.0	556.7	560.3	563.9	568.3	573.6	578.9	584.3	589.6	491.2	392.9
117.5°	622.5	626.5	630.5	634.6	638.4	642.1	645.7	649.4	653.0	629.2	605.4
120°	672.1	675.2	678.4	681.6	685.1	688.9	692.8	696.6	700.4	703.0	705.5
122.5°	715.0	718.4	721.7	725.1	728.9	733.0	737.2	741.3	745.5	747.0	748.6
125°	779.6	782.4	785.1	787.9	791.3	795.3	799.4	803.4	807.4	808.9	810.4
127.5°	839.0	842.0	845.1	848.1	851.2	854.2	857.2	860.2	863.2	865.4	867.6
130°	876.8	880.2	883.5	886.9	889.8	892.1	894.5	896.8	899.2	901.5	903.8
132.5°	914.5	917.4	920.2	923.1	925.7	928.1	930.4	932.7	935.1	937.1	939.1
135°	964.7	968.1	971.5	974.9	977.5	979.4	981.3	983.2	985.2	987.3	989.4
137.5°	1013.9	1016.3	1018.7	1021.0	1023.3	1025.5	1027.6	1029.8	1032.0	1034.1	1036.1
140°	1046.1	1047.8	1049.5	1051.2	1053.2	1055.5	1057.9	1060.2	1062.6	1064.5	1066.4
142.5°	1073.4	1075.0	1076.5	1078.0	1080.1	1082.8	1085.5	1088.2	1090.8	1092.6	1094.3
145°	1114.9	1114.7	1114.5	1114.3	1116.0	1119.6	1123.2	1126.8	1130.4	1131.9	1133.4
147.5°	1151.9	1151.1	1150.3	1149.5	1150.9	1154.5	1158.0	1161.6	1165.2	1166.3	1167.4
150°	1175.7	1174.2	1172.8	1171.3	1172.2	1175.6	1179.0	1182.4	1185.8	1187.1	1188.4
152.5°	1196.2	1194.5	1192.9	1191.2	1192.0	1195.2	1198.5	1201.7	1204.9	1206.2	1207.5
155°	1225.9	1224.0	1222.1	1220.2	1220.5	1223.1	1225.6	1228.2	1230.7	1232.0	1233.3
157.5°	1249.8	1248.1	1246.5	1244.9	1245.0	1246.8	1248.6	1250.3	1252.1	1253.6	1255.0
160°	1263.9	1262.6	1261.3	1260.0	1260.0	1261.3	1262.6	1263.9	1265.1	1266.4	1267.7
162.5°	1276.1	1274.8	1273.5	1272.3	1272.2	1273.3	1274.4	1275.5	1276.6	1278.0	1279.5
165°	1292.5	1291.2	1290.0	1288.7	1288.4	1289.0	1289.6	1290.3	1290.9	1292.4	1293.9
167.5°	1304.7	1303.5	1302.2	1300.9	1300.6	1301.2	1301.8	1302.4	1303.0	1304.4	1305.9
170°	1311.6	1310.4	1309.1	1307.8	1307.4	1307.8	1308.2	1308.7	1309.1	1310.6	1312.1
172.5°	1316.2	1314.9	1313.7	1312.4	1312.0	1312.4	1312.8	1313.2	1313.7	1315.2	1316.6
175°	1321.9	1320.4	1319.0	1317.5	1316.9	1317.4	1317.8	1318.2	1318.6	1320.1	1321.6
177.5°	1323.2	1322.0	1320.8	1319.6	1319.1	1319.3	1319.4	1319.6	1319.8	1321.0	1322.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2068.2	2076.8	2076.8	2078.0	2087.8	2086.6	2086.0
5°	2201.0	2214.0	2215.5	2229.3	2238.5	2235.4	2227.0
7.5°	2326.2	2350.4	2368.8	2379.1	2391.2	2398.7	2395.3
10°	2425.5	2460.8	2482.2	2496.8	2514.4	2527.4	2522.8
12.5°	2515.6	2557.6	2587.1	2612.0	2614.3	2631.0	2619.7
15°	2656.2	2700.6	2705.2	2723.6	2738.2	2736.6	2737.4
17.5°	2702.6	2716.9	2719.8	2720.2	2720.4	2715.0	2703.4
20°	2686.1	2680.7	2667.7	2657.7	2640.1	2637.8	2622.5
22.5°	2607.6	2590.6	2557.9	2536.3	2508.9	2501.7	2497.4
25°	2453.1	2415.5	2363.4	2313.6	2299.8	2273.0	2280.7
27.5°	2241.1	2182.6	2126.2	2085.7	2049.1	2008.9	2020.4
30°	2092.1	2026.2	1946.5	1885.2	1846.1	1807.8	1800.9
32.5°	1914.3	1817.8	1728.9	1674.9	1615.0	1590.8	1564.3
35°	1607.8	1513.5	1425.4	1349.5	1305.9	1272.1	1241.5
37.5°	1332.1	1223.6	1152.4	1091.0	1059.4	1040.1	1045.0
40°	1161.0	1066.0	1013.9	967.1	938.0	924.2	927.3
42.5°	1022.5	951.3	908.4	876.4	855.9	848.2	846.4
45°	865.2	825.4	790.1	771.7	761.8	753.3	748.0
47.5°	757.9	725.4	705.5	694.6	685.9	677.3	677.1
50°	693.5	672.1	658.3	646.8	639.9	633.8	639.1
52.5°	644.5	624.9	611.1	600.8	598.2	592.7	592.5
55°	571.7	556.4	546.4	537.2	532.6	529.5	525.7
57.5°	505.5	490.9	481.7	475.9	467.2	464.1	462.9
60°	458.3	446.8	437.6	429.9	426.1	420.0	420.0
62.5°	414.7	403.3	394.7	388.8	382.6	380.1	380.7
65°	351.8	342.6	334.1	328.0	326.5	321.9	323.4
67.5°	293.8	287.7	278.8	275.4	272.5	270.1	268.2
70°	255.2	249.1	244.5	239.9	237.6	237.6	237.6
72.5°	222.7	215.3	212.6	206.8	208.1	205.7	203.2
75°	172.4	167.8	165.5	163.2	159.4	159.4	159.4
77.5°	126.9	125.5	122.8	120.3	119.4	118.6	118.9
80°	98.1	97.3	95.8	95.8	94.3	93.5	92.0
82.5°	75.4	73.4	72.5	71.9	71.6	71.4	71.1
85°	42.9	41.4	41.4	42.1	40.6	40.6	41.4
87.5°	21.0	21.2	20.8	20.8	21.5	21.0	21.1
90°	22.3	23.4	24.1	24.5	24.9	25.4	25.8
92.5°	23.8	24.4	24.8	25.0	25.3	25.5	25.8
95°	40.5	41.5	41.9	41.7	41.5	41.3	41.1
97.5°	52.4	53.3	53.8	54.1	54.3	54.6	54.8
100°	59.6	61.3	62.3	62.7	63.2	63.6	64.0
102.5°	62.6	64.8	66.2	66.8	67.4	68.0	68.6
105°	65.3	67.6	69.2	70.1	70.9	71.8	72.6
107.5°	74.5	72.1	71.3	72.2	73.0	73.9	74.7
110°	103.5	82.3	72.1	72.9	73.8	74.6	75.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	189.4	111.9	73.5	74.2	74.9	75.6	76.3
115°	294.6	196.3	139.5	124.2	108.9	93.6	78.4
117.5°	581.7	557.9	520.9	470.6	420.4	370.2	319.9
120°	708.0	710.6	697.5	668.9	640.2	611.5	582.9
122.5°	750.1	751.6	749.6	744.0	738.5	732.9	727.4
125°	811.9	813.4	814.4	815.1	815.7	816.3	817.0
127.5°	869.7	871.9	873.0	873.2	873.3	873.4	873.5
130°	906.2	908.5	909.6	909.3	909.1	908.9	908.7
132.5°	941.1	943.1	944.0	943.7	943.5	943.3	943.1
135°	991.5	993.6	994.5	994.1	993.6	993.2	992.8
137.5°	1038.2	1040.3	1041.0	1040.3	1039.5	1038.8	1038.1
140°	1068.3	1070.2	1070.6	1069.6	1068.5	1067.4	1066.4
142.5°	1096.1	1097.8	1098.1	1097.1	1096.0	1095.0	1093.9
145°	1134.9	1136.3	1136.6	1135.5	1134.4	1133.4	1132.3
147.5°	1168.5	1169.6	1169.7	1168.8	1167.9	1167.0	1166.1
150°	1189.6	1190.9	1191.0	1190.0	1188.9	1187.8	1186.8
152.5°	1208.7	1210.0	1210.0	1208.6	1207.2	1205.8	1204.4
155°	1234.5	1235.8	1235.6	1233.9	1232.2	1230.5	1228.8
157.5°	1256.5	1257.9	1257.8	1256.1	1254.5	1252.8	1251.2
160°	1268.9	1270.2	1270.1	1268.6	1267.1	1265.7	1264.2
162.5°	1280.9	1282.4	1282.2	1280.3	1278.5	1276.7	1274.9
165°	1295.4	1296.9	1296.9	1295.4	1293.9	1292.4	1290.9
167.5°	1307.4	1308.9	1308.7	1306.8	1304.9	1303.0	1301.1
170°	1313.5	1315.0	1314.8	1312.9	1311.0	1309.1	1307.2
172.5°	1318.1	1319.6	1319.4	1317.5	1315.6	1313.7	1311.8
175°	1323.1	1324.6	1324.3	1322.1	1320.0	1317.9	1315.8
177.5°	1323.3	1324.5	1324.4	1322.8	1321.3	1319.8	1318.3
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5

(END OF REPORT)