

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1029249

Luminaire Tested: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029249
REPORT IS A COMBINATION OF REPORTS P985307 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_2700K
Description: Define 2 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

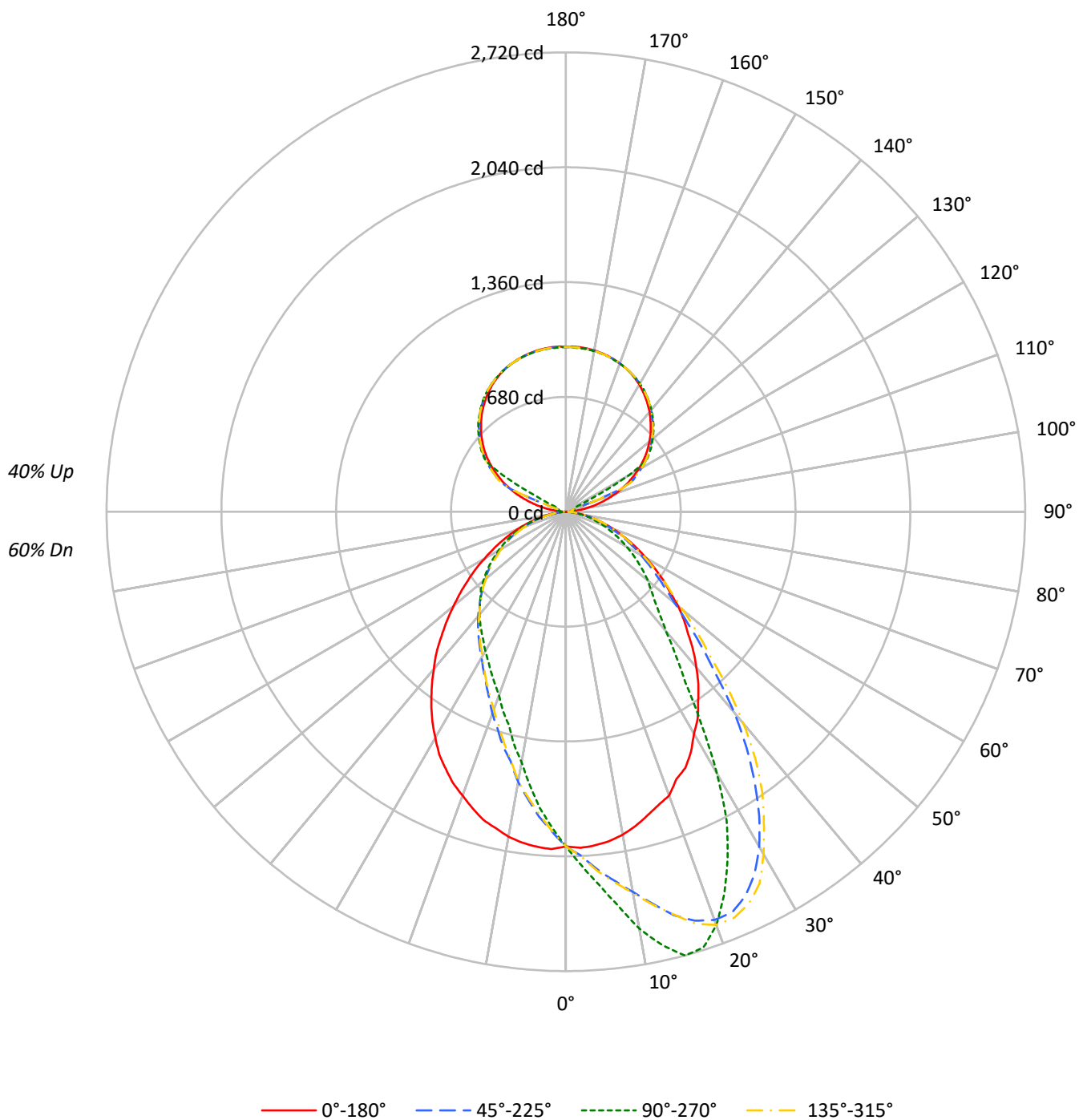
Lumens per Lamp: N/A
Luminaire Lumens: 7233.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84.5
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	66	66	66
1	101	97	93	89	94	90	87	84	79	77	75	69	67	65	59	58	57	57	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	53	51	49	49	49	45
3	84	75	68	62	79	71	64	59	62	57	53	54	51	48	47	44	42	42	42	38
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	39	37	37	37	34
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	32	32	32	30
6	66	54	46	41	62	51	44	39	46	40	35	40	36	32	35	32	29	29	29	26
7	61	49	41	36	57	47	39	34	42	36	32	37	32	29	32	29	26	26	26	23
8	57	45	37	32	53	43	36	31	38	32	28	34	29	26	30	26	23	23	23	21
9	53	41	34	29	50	39	32	28	35	29	26	31	27	23	28	24	21	21	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	25	21	26	22	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31359	31359	31359	31359
5°	31436	33437	31556	26602
10°	31070	36502	31265	21932
15°	30317	38501	30739	18474
20°	29843	36150	29843	16057
25°	28892	31057	29025	14360
30°	27328	24414	27849	13007
35°	25941	16882	26375	11901
40°	24348	12746	24625	11018
45°	22382	10474	22749	10067
50°	20683	9193	20721	9215
55°	18746	7833	18868	8291
60°	16680	6542	16911	7235
65°	14831	5321	15105	6179
70°	12992	4175	13321	4983
75°	10903	3032	11328	3614
80°	8511	1922	9117	2144
85°	5594	966	6018	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	2.6
10°-20°	549.2	7.6
20°-30°	797.1	11.0
30°-40°	840.3	11.6
40°-50°	743.6	10.3
50°-60°	593.7	8.2
60°-70°	403.3	5.6
70°-80°	206.3	2.9
80°-90°	50.5	0.7
90°-100°	32.2	0.4
100°-110°	119.9	1.7
110°-120°	318.1	4.4
120°-130°	527.5	7.3
130°-140°	560.4	7.7
140°-150°	520.8	7.2
150°-160°	418.7	5.8
160°-170°	269.8	3.7
170°-180°	92.9	1.3
0°-30°	1535.0	21.2
0°-40°	2375.3	32.8
0°-60°	3712.6	51.3
0°-90°	4372.7	60.5
90°-120°	470.2	6.5
90°-150°	2078.9	28.7
90°-180°	2860.0	39.5
0°-180°	7233.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1981	1981	1981	1981	1981	
5°	1983	2213	1990	1760	1983	188
15°	1862	2720	1888	1305	1862	526
25°	1674	2266	1681	1048	1674	765
35°	1366	1234	1389	870	1366	855
45°	1025	743	1042	714	1025	795
55°	704	522	708	553	704	628
65°	417	321	425	373	417	415
75°	195	158	202	189	195	209
85°	40	41	43	30	40	46
90°	1	19	1	19	1	5
95°	46	30	46	30	46	54
105°	215	54	215	54	215	229
115°	406	58	406	58	406	400
125°	574	604	574	604	574	512
135°	710	734	710	734	710	549
145°	824	837	824	837	824	515
155°	907	908	907	908	907	418
165°	956	954	956	954	956	270
175°	978	972	978	972	978	93
180°	976	976	976	976	976	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1991.8	1996.4	2004.0	2005.5	2020.7	2032.9	2046.6	2046.6	2051.2	2049.7	2037.5
5°	1982.7	1996.4	2016.2	2032.9	2060.3	2072.5	2090.8	2104.5	2116.7	2125.8	2124.3
7.5°	1967.4	1991.8	2020.7	2052.7	2089.3	2110.6	2136.5	2160.8	2177.6	2192.8	2203.5
10°	1941.5	1982.7	2022.3	2064.9	2112.1	2141.0	2171.5	2203.5	2229.4	2258.3	2285.7
12.5°	1906.5	1965.9	2014.6	2071.0	2128.9	2160.8	2209.6	2233.9	2284.2	2357.3	2377.1
15°	1862.4	1943.1	1988.8	2060.3	2136.5	2162.4	2229.4	2268.9	2372.5	2418.2	2473.0
17.5°	1821.2	1911.1	1972.0	2054.2	2128.9	2179.1	2244.6	2325.3	2412.1	2477.6	2538.5
20°	1787.7	1874.5	1947.6	2039.0	2133.4	2197.4	2265.9	2363.4	2457.8	2524.8	2572.0
22.5°	1711.6	1822.8	1908.0	2010.1	2124.3	2212.6	2278.1	2384.7	2486.7	2527.8	2568.9
25°	1673.5	1769.5	1868.5	1984.2	2118.2	2223.3	2279.6	2398.4	2488.2	2503.5	2512.6
27.5°	1603.5	1711.6	1827.3	1959.8	2116.7	2205.0	2276.6	2384.7	2456.2	2445.6	2418.2
30°	1516.7	1649.2	1777.1	1920.2	2095.3	2191.3	2258.3	2357.3	2393.8	2339.0	2290.3
32.5°	1452.7	1577.6	1719.2	1885.2	2071.0	2162.4	2227.8	2305.5	2313.1	2214.1	2131.9
35°	1365.9	1504.5	1664.4	1839.5	2029.9	2112.1	2173.0	2220.2	2183.7	2045.1	1947.6
37.5°	1288.3	1425.3	1595.9	1774.0	1973.5	2054.2	2103.0	2110.6	2020.7	1898.9	1755.8
40°	1203.0	1344.6	1522.8	1710.1	1911.1	1981.1	2011.6	1988.8	1859.3	1717.7	1551.7
42.5°	1117.7	1257.8	1449.7	1641.6	1831.9	1891.3	1903.5	1841.0	1682.7	1516.7	1324.8
45°	1024.8	1171.0	1362.9	1556.3	1740.5	1774.0	1775.6	1685.7	1498.4	1324.8	1146.7
47.5°	948.7	1084.2	1274.6	1468.0	1623.3	1646.1	1637.0	1533.4	1329.4	1134.5	979.1
50°	864.9	994.4	1183.2	1373.6	1506.0	1512.1	1489.3	1341.6	1142.1	963.9	840.6
52.5°	775.1	906.1	1079.7	1262.4	1381.2	1372.0	1327.9	1169.5	982.2	834.5	740.1
55°	703.5	819.3	982.2	1160.4	1244.1	1218.2	1169.5	1008.1	860.4	735.5	653.3
57.5°	624.3	726.4	886.3	1041.6	1090.3	1065.9	1017.2	866.5	729.4	635.0	580.2
60°	549.7	642.6	782.7	912.1	950.2	924.3	868.0	732.5	633.5	554.3	513.2
62.5°	481.2	561.9	679.2	797.9	813.2	787.3	738.5	628.9	543.6	481.2	450.7
65°	417.2	493.4	587.8	677.6	691.3	663.9	613.7	534.5	462.9	423.3	394.4
67.5°	354.8	415.7	499.5	565.0	572.6	546.7	505.6	441.6	397.4	354.8	333.5
70°	300.0	345.7	411.2	464.4	467.5	443.1	421.8	363.9	330.4	300.0	283.2
72.5°	246.7	278.7	328.9	368.5	370.0	354.8	335.0	298.5	269.5	248.2	231.5
75°	194.9	222.3	252.8	287.8	286.3	274.1	258.9	236.0	211.7	198.0	190.3
77.5°	149.2	166.0	190.3	213.2	213.2	207.1	198.0	181.2	166.0	152.3	144.7
80°	106.6	117.3	137.1	144.7	147.7	146.2	138.6	126.4	120.3	109.6	106.6
82.5°	68.5	76.1	85.3	92.9	97.5	94.4	92.9	86.8	77.7	74.6	71.6
85°	39.6	42.6	47.2	51.8	53.3	51.8	54.8	50.3	45.7	45.7	44.2
87.5°	16.8	18.3	21.3	21.3	22.8	22.8	21.3	22.8	22.8	21.3	19.8
90°	0.7	2.4	4.2	5.9	7.6	8.5	9.1	10.4	11.6	12.9	14.1
92.5°	17.6	17.0	16.4	15.7	15.1	14.8	15.0	15.5	16.0	16.4	16.9
95°	45.9	40.7	35.5	30.4	25.2	22.6	23.1	24.2	25.3	26.4	27.5
97.5°	82.6	69.7	56.9	44.0	31.1	24.7	26.0	28.5	31.0	33.5	36.0
100°	125.0	103.5	82.0	60.5	39.0	28.2	29.5	32.2	34.9	37.5	40.2
102.5°	171.6	171.3	170.9	170.6	170.3	170.1	155.8	127.3	98.8	70.2	41.7
105°	214.6	219.3	224.0	228.7	233.4	235.8	214.4	171.6	128.7	85.9	43.1
107.5°	264.7	268.6	272.6	276.5	280.4	282.4	256.0	203.1	150.2	97.4	44.5
110°	312.7	316.0	319.3	322.6	325.9	327.6	304.9	259.6	214.2	168.9	123.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	357.9	360.7	363.5	366.4	369.2	370.6	369.3	366.6	363.9	361.3	358.6
115°	405.9	408.6	411.2	413.9	416.6	417.9	419.9	423.8	427.7	431.7	435.6
117.5°	447.6	450.7	453.9	457.0	460.1	461.7	463.0	465.7	468.4	471.0	473.7
120°	494.2	496.6	498.9	501.3	503.6	504.8	506.2	509.0	511.9	514.7	517.5
122.5°	533.7	536.2	538.7	541.2	543.7	545.0	546.6	549.7	552.8	556.0	559.1
125°	574.0	576.0	578.0	580.1	582.1	583.1	584.6	587.6	590.5	593.5	596.5
127.5°	610.7	612.9	615.1	617.3	619.5	620.6	621.8	624.1	626.4	628.8	631.1
130°	645.3	647.8	650.3	652.8	655.3	656.6	657.5	659.2	660.9	662.6	664.3
132.5°	680.6	682.6	684.6	686.7	688.7	689.7	690.6	692.3	694.0	695.8	697.5
135°	710.2	712.7	715.2	717.7	720.2	721.5	722.2	723.6	725.1	726.5	727.9
137.5°	741.3	743.2	745.0	746.9	748.8	749.7	750.5	752.1	753.6	755.2	756.8
140°	771.6	772.9	774.1	775.4	776.7	777.3	778.2	779.9	781.6	783.3	785.0
142.5°	797.0	798.1	799.2	800.3	801.4	802.0	803.0	805.1	807.1	809.2	811.2
145°	823.9	823.7	823.6	823.4	823.3	823.2	824.5	827.2	829.9	832.5	835.2
147.5°	847.2	846.7	846.3	845.8	845.3	845.1	846.4	849.1	851.8	854.4	857.1
150°	869.8	868.7	867.6	866.5	865.4	864.8	866.1	868.6	871.1	873.6	876.1
152.5°	888.8	887.6	886.3	885.1	883.8	883.2	884.4	886.7	889.1	891.4	893.8
155°	907.2	905.8	904.4	902.9	901.5	900.8	901.7	903.6	905.5	907.4	909.3
157.5°	922.0	920.8	919.5	918.3	917.0	916.4	917.1	918.5	919.9	921.3	922.7
160°	934.7	933.8	932.8	931.9	931.0	930.5	931.0	931.9	932.8	933.8	934.7
162.5°	946.0	945.1	944.1	943.2	942.3	941.8	942.2	943.0	943.7	944.5	945.3
165°	955.9	955.0	954.0	953.1	952.2	951.7	951.9	952.4	952.9	953.3	953.8
167.5°	963.7	962.7	961.8	960.8	959.9	959.4	959.6	960.1	960.6	961.0	961.5
170°	970.0	969.1	968.1	967.2	966.3	965.8	966.0	966.3	966.6	966.9	967.2
172.5°	974.2	973.3	972.3	971.4	970.5	970.0	970.2	970.5	970.8	971.1	971.4
175°	977.8	976.7	975.6	974.5	973.4	972.8	973.0	973.3	973.6	973.9	974.2
177.5°	979.2	978.1	977.0	975.9	974.8	974.2	974.3	974.5	974.6	974.8	975.0
180°	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2058.8	2060.3	2063.4	2078.6	2086.2	2087.7	2081.6	2095.3	2099.9	2095.3	2092.3
5°	2156.3	2165.4	2183.7	2203.5	2201.9	2203.5	2212.6	2221.7	2224.8	2212.6	2217.2
7.5°	2241.5	2259.8	2279.6	2310.1	2310.1	2325.3	2331.4	2339.0	2357.3	2348.1	2345.1
10°	2339.0	2363.4	2399.9	2448.6	2450.2	2465.4	2480.6	2505.0	2512.6	2506.5	2509.5
12.5°	2460.8	2508.0	2511.1	2564.4	2588.7	2591.8	2616.1	2611.6	2626.8	2626.8	2652.7
15°	2514.1	2587.2	2628.3	2680.1	2695.3	2677.1	2696.8	2718.2	2719.7	2719.7	2718.2
17.5°	2610.1	2639.0	2680.1	2707.5	2713.6	2713.6	2715.1	2724.3	2718.2	2706.0	2715.1
20°	2629.8	2642.0	2657.3	2654.2	2657.3	2642.0	2626.8	2611.6	2613.1	2605.5	2628.3
22.5°	2593.3	2590.3	2555.2	2532.4	2532.4	2501.9	2473.0	2459.3	2445.6	2450.2	2457.8
25°	2501.9	2454.7	2412.1	2378.6	2371.0	2322.2	2282.7	2270.5	2247.6	2265.9	2268.9
27.5°	2355.7	2302.4	2233.9	2205.0	2165.4	2145.6	2118.2	2081.6	2034.4	2061.8	2057.3
30°	2198.9	2119.7	2063.4	1993.3	1930.9	1926.3	1874.5	1813.6	1789.3	1789.3	1803.0
32.5°	2023.8	1918.7	1836.5	1737.5	1676.6	1650.7	1588.3	1527.4	1541.1	1495.4	1512.1
35°	1819.7	1681.2	1577.6	1481.7	1436.0	1405.5	1324.8	1291.3	1254.8	1233.5	1273.0
37.5°	1624.8	1464.9	1332.4	1227.4	1210.6	1155.8	1101.0	1079.7	1058.3	1067.5	1065.9
40°	1387.3	1245.6	1126.9	1044.6	1015.7	989.8	953.3	927.4	913.7	921.3	922.8
42.5°	1172.5	1053.8	965.4	907.6	883.2	864.9	846.7	825.3	820.8	820.8	826.9
45°	1006.6	909.1	849.7	802.5	788.8	775.1	761.4	752.3	749.2	743.1	747.7
47.5°	874.1	796.4	759.9	724.8	709.6	706.6	694.4	689.8	683.7	682.2	683.7
50°	762.9	714.2	680.7	660.9	650.2	645.7	639.6	630.4	627.4	635.0	632.0
52.5°	685.3	639.6	621.3	601.5	595.4	589.3	580.2	581.7	580.2	577.1	577.1
55°	607.6	578.7	560.4	545.2	543.6	537.5	529.9	526.9	525.4	522.3	526.9
57.5°	545.2	522.3	505.6	491.9	485.8	485.8	478.2	472.1	472.1	470.5	472.1
60°	482.7	459.9	449.2	435.5	430.9	429.4	424.9	421.8	417.2	417.2	417.2
62.5°	424.9	406.6	394.4	382.2	383.7	376.1	370.0	367.0	367.0	368.5	368.5
65°	370.0	357.9	342.6	332.0	328.9	327.4	324.4	322.8	318.3	321.3	321.3
67.5°	319.8	303.0	293.9	289.3	284.8	283.2	280.2	277.1	275.6	274.1	277.1
70°	269.5	255.8	248.2	245.2	240.6	239.1	237.6	233.0	234.5	236.0	237.6
72.5°	223.8	211.7	210.1	201.0	201.0	201.0	194.9	198.0	196.4	193.4	196.4
75°	176.6	170.6	167.5	162.9	164.5	162.9	161.4	156.8	156.8	158.4	159.9
77.5°	140.1	134.0	132.5	127.9	124.9	127.9	124.9	123.3	123.3	124.9	124.9
80°	103.5	100.5	95.9	95.9	95.9	94.4	94.4	94.4	92.9	91.4	92.9
82.5°	68.5	68.5	67.0	65.5	67.0	64.0	65.5	65.5	65.5	65.5	65.5
85°	44.2	42.6	42.6	41.1	41.1	41.1	42.6	39.6	39.6	41.1	41.1
87.5°	19.8	19.8	19.8	21.3	19.8	19.8	19.8	21.3	19.8	19.8	19.8
90°	14.9	15.7	16.4	17.2	17.6	17.8	18.1	18.4	18.8	19.1	18.8
92.5°	17.2	17.6	17.9	18.2	18.4	18.5	18.6	18.8	18.9	19.1	18.9
95°	28.3	29.1	29.9	30.7	31.1	31.0	30.9	30.7	30.6	30.4	30.6
97.5°	36.5	36.9	37.4	37.9	38.1	38.2	38.3	38.5	38.6	38.8	38.6
100°	41.5	42.7	44.0	45.3	45.9	46.1	46.4	46.7	47.0	47.3	47.0
102.5°	43.4	45.1	46.8	48.5	49.4	49.6	50.1	50.6	51.0	51.5	51.0
105°	44.8	46.5	48.2	49.9	50.8	51.1	51.8	52.4	53.1	53.7	53.1
107.5°	46.2	47.9	49.6	51.3	52.2	52.5	53.2	53.8	54.5	55.1	54.5
110°	107.8	92.1	76.4	60.7	52.9	53.2	53.9	54.5	55.2	55.8	55.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	291.0	223.4	155.8	88.2	54.4	54.6	55.1	55.6	56.0	56.5	56.0
115°	363.0	290.3	217.7	145.0	108.7	103.1	91.8	80.5	69.2	57.9	69.2
117.5°	451.3	428.9	406.4	384.0	372.8	352.2	311.1	270.0	228.9	187.8	228.9
120°	519.4	521.3	523.2	525.1	526.0	515.4	494.2	473.0	451.8	430.6	451.8
122.5°	560.1	561.0	562.0	562.9	563.4	563.5	563.6	563.8	563.9	564.1	563.9
125°	597.6	598.7	599.8	600.9	601.5	601.7	602.2	602.7	603.1	603.6	603.1
127.5°	632.7	634.3	635.8	637.4	638.2	638.3	638.4	638.6	638.7	638.9	638.7
130°	666.0	667.8	669.5	671.2	672.1	672.0	671.9	671.7	671.6	671.4	671.6
132.5°	698.9	700.3	701.8	703.2	703.9	703.8	703.7	703.5	703.4	703.2	703.4
135°	729.5	731.0	732.6	734.1	734.9	734.7	734.4	734.1	733.8	733.5	733.8
137.5°	758.4	760.0	761.5	763.1	763.9	763.7	763.2	762.7	762.2	761.7	762.2
140°	786.4	787.8	789.3	790.7	791.4	791.0	790.2	789.5	788.7	787.9	788.7
142.5°	812.4	813.7	814.9	816.2	816.8	816.4	815.6	814.9	814.1	813.3	814.1
145°	836.3	837.4	838.5	839.6	840.1	839.7	838.9	838.2	837.4	836.6	837.4
147.5°	857.9	858.7	859.4	860.2	860.6	860.3	859.7	859.0	858.4	857.8	858.4
150°	877.1	878.0	879.0	879.9	880.4	880.0	879.2	878.4	877.6	876.8	877.6
152.5°	894.7	895.7	896.6	897.5	898.0	897.5	896.4	895.3	894.2	893.1	894.2
155°	910.2	911.2	912.1	913.0	913.5	912.9	911.6	910.4	909.1	907.9	909.1
157.5°	923.8	924.9	926.0	927.1	927.7	927.1	925.8	924.5	923.3	922.0	923.3
160°	935.6	936.6	937.5	938.4	938.9	938.4	937.3	936.2	935.1	934.0	935.1
162.5°	946.4	947.5	948.6	949.7	950.2	949.5	948.1	946.7	945.3	943.9	945.3
165°	954.9	956.0	957.1	958.2	958.7	958.2	957.1	956.0	954.9	953.8	954.9
167.5°	962.6	963.7	964.8	965.9	966.5	965.8	964.4	962.9	961.5	960.1	961.5
170°	968.3	969.4	970.5	971.6	972.1	971.4	970.0	968.6	967.2	965.8	967.2
172.5°	972.5	973.6	974.7	975.8	976.4	975.7	974.3	972.8	971.4	970.0	971.4
175°	975.3	976.4	977.5	978.6	979.2	978.4	976.8	975.3	973.7	972.1	973.7
177.5°	976.1	977.2	978.3	979.4	979.9	979.2	977.8	976.3	974.9	973.5	974.9
180°	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2099.9	2089.3	2080.1	2081.6	2089.3	2083.2	2067.9	2048.1	2040.5	2031.4	2040.5
5°	2226.3	2217.2	2198.9	2200.4	2195.9	2189.8	2165.4	2134.9	2134.9	2110.6	2107.5
7.5°	2351.2	2337.5	2325.3	2322.2	2305.5	2293.3	2272.0	2229.4	2212.6	2183.7	2166.9
10°	2491.3	2480.6	2466.9	2450.2	2441.0	2419.7	2384.7	2322.2	2291.8	2252.2	2223.3
12.5°	2632.9	2631.4	2600.9	2567.4	2565.9	2532.4	2508.0	2424.3	2383.2	2329.9	2261.3
15°	2722.7	2715.1	2698.4	2681.6	2686.2	2649.6	2594.8	2495.8	2468.4	2404.5	2331.4
17.5°	2721.2	2721.2	2716.6	2713.6	2709.0	2698.4	2667.9	2602.4	2558.3	2477.6	2409.0
20°	2634.4	2654.2	2658.8	2657.3	2672.5	2680.1	2678.6	2637.5	2602.4	2530.9	2460.8
22.5°	2460.8	2506.5	2526.3	2538.5	2570.5	2587.2	2626.8	2611.6	2602.4	2549.1	2489.8
25°	2299.4	2314.6	2374.0	2377.1	2421.2	2462.3	2501.9	2527.8	2561.3	2541.5	2491.3
27.5°	2090.8	2125.8	2168.4	2200.4	2209.6	2293.3	2358.8	2407.5	2483.7	2489.8	2473.0
30°	1854.7	1871.5	1941.5	1984.2	2032.9	2093.8	2188.2	2272.0	2340.5	2403.0	2424.3
32.5°	1566.9	1635.5	1676.6	1728.4	1771.0	1879.1	1994.8	2103.0	2182.1	2287.2	2332.9
35°	1303.5	1356.8	1426.8	1448.2	1525.8	1617.2	1768.0	1906.5	2026.8	2133.4	2226.3
37.5°	1085.7	1128.4	1203.0	1236.5	1282.2	1399.4	1525.8	1697.9	1842.6	1973.5	2089.3
40°	936.5	968.5	1024.8	1035.5	1073.6	1180.2	1282.2	1443.6	1635.5	1812.1	1938.5
42.5°	834.5	849.7	887.8	901.5	925.9	997.4	1088.8	1241.1	1419.2	1602.0	1780.1
45°	761.4	772.1	794.9	807.1	837.5	869.5	944.1	1065.9	1206.0	1390.3	1582.2
47.5°	695.9	709.6	718.8	726.4	743.1	778.1	826.9	916.7	1050.7	1219.7	1405.5
50°	641.1	645.7	662.4	663.9	674.6	697.4	743.1	797.9	904.5	1041.6	1221.3
52.5°	586.3	590.8	601.5	612.2	616.7	635.0	665.5	711.1	790.3	898.4	1058.3
55°	531.5	537.5	548.2	555.8	560.4	575.6	593.9	638.0	700.5	776.6	907.6
57.5°	476.6	490.3	493.4	498.0	505.6	522.3	539.1	565.0	613.7	683.7	779.7
60°	424.9	429.4	440.1	444.7	452.3	461.4	482.7	502.5	537.5	592.4	679.2
62.5°	371.6	382.2	386.8	391.4	397.4	408.1	421.8	443.1	473.6	517.7	586.3
65°	325.9	327.4	336.5	342.6	348.7	356.3	370.0	389.8	408.1	449.2	499.5
67.5°	281.7	284.8	287.8	293.9	301.5	309.1	321.3	332.0	354.8	382.2	421.8
70°	239.1	239.1	246.7	251.3	249.7	258.9	268.0	280.2	296.9	322.8	354.8
72.5°	201.0	199.5	205.6	207.1	210.1	216.2	222.3	234.5	243.6	263.4	287.8
75°	159.9	162.9	166.0	166.0	170.6	175.1	181.2	187.3	198.0	210.1	228.4
77.5°	126.4	126.4	129.4	131.0	135.5	134.0	140.1	146.2	153.8	164.5	178.2
80°	92.9	95.9	95.9	95.9	97.5	99.0	105.1	109.6	114.2	121.8	127.9
82.5°	65.5	65.5	68.5	68.5	68.5	71.6	71.6	73.1	76.1	80.7	85.3
85°	41.1	41.1	41.1	42.6	41.1	42.6	45.7	44.2	45.7	48.7	48.7
87.5°	19.8	19.8	19.8	19.8	19.8	21.3	19.8	21.3	22.8	22.8	22.8
90°	18.4	18.1	17.8	17.6	17.2	16.4	15.7	14.9	14.1	12.9	11.6
92.5°	18.8	18.6	18.5	18.4	18.2	17.9	17.6	17.2	16.9	16.4	16.0
95°	30.7	30.9	31.0	31.1	30.7	29.9	29.1	28.3	27.5	26.4	25.3
97.5°	38.5	38.3	38.2	38.1	37.9	37.4	36.9	36.5	36.0	33.5	31.0
100°	46.7	46.4	46.1	45.9	45.3	44.0	42.7	41.5	40.2	37.5	34.9
102.5°	50.6	50.1	49.6	49.4	48.5	46.8	45.1	43.4	41.7	70.2	98.8
105°	52.4	51.8	51.1	50.8	49.9	48.2	46.5	44.8	43.1	85.9	128.7
107.5°	53.8	53.2	52.5	52.2	51.3	49.6	47.9	46.2	44.5	97.4	150.2
110°	54.5	53.9	53.2	52.9	60.7	76.4	92.1	107.8	123.5	168.9	214.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	55.6	55.1	54.6	54.4	88.2	155.8	223.4	291.0	358.6	361.3	363.9
115°	80.5	91.8	103.1	108.7	145.0	217.7	290.3	363.0	435.6	431.7	427.7
117.5°	270.0	311.1	352.2	372.8	384.0	406.4	428.9	451.3	473.7	471.0	468.4
120°	473.0	494.2	515.4	526.0	525.1	523.2	521.3	519.4	517.5	514.7	511.9
122.5°	563.8	563.6	563.5	563.4	562.9	562.0	561.0	560.1	559.1	556.0	552.8
125°	602.7	602.2	601.7	601.5	600.9	599.8	598.7	597.6	596.5	593.5	590.5
127.5°	638.6	638.4	638.3	638.2	637.4	635.8	634.3	632.7	631.1	628.8	626.4
130°	671.7	671.9	672.0	672.1	671.2	669.5	667.8	666.0	664.3	662.6	660.9
132.5°	703.5	703.7	703.8	703.9	703.2	701.8	700.3	698.9	697.5	695.8	694.0
135°	734.1	734.4	734.7	734.9	734.1	732.6	731.0	729.5	727.9	726.5	725.1
137.5°	762.7	763.2	763.7	763.9	763.1	761.5	760.0	758.4	756.8	755.2	753.6
140°	789.5	790.2	791.0	791.4	790.7	789.3	787.8	786.4	785.0	783.3	781.6
142.5°	814.9	815.6	816.4	816.8	816.2	814.9	813.7	812.4	811.2	809.2	807.1
145°	838.2	838.9	839.7	840.1	839.6	838.5	837.4	836.3	835.2	832.5	829.9
147.5°	859.0	859.7	860.3	860.6	860.2	859.4	858.7	857.9	857.1	854.4	851.8
150°	878.4	879.2	880.0	880.4	879.9	879.0	878.0	877.1	876.1	873.6	871.1
152.5°	895.3	896.4	897.5	898.0	897.5	896.6	895.7	894.7	893.8	891.4	889.1
155°	910.4	911.6	912.9	913.5	913.0	912.1	911.2	910.2	909.3	907.4	905.5
157.5°	924.5	925.8	927.1	927.7	927.1	926.0	924.9	923.8	922.7	921.3	919.9
160°	936.2	937.3	938.4	938.9	938.4	937.5	936.6	935.6	934.7	933.8	932.8
162.5°	946.7	948.1	949.5	950.2	949.7	948.6	947.5	946.4	945.3	944.5	943.7
165°	956.0	957.1	958.2	958.7	958.2	957.1	956.0	954.9	953.8	953.3	952.9
167.5°	962.9	964.4	965.8	966.5	965.9	964.8	963.7	962.6	961.5	961.0	960.6
170°	968.6	970.0	971.4	972.1	971.6	970.5	969.4	968.3	967.2	966.9	966.6
172.5°	972.8	974.3	975.7	976.4	975.8	974.7	973.6	972.5	971.4	971.1	970.8
175°	975.3	976.8	978.4	979.2	978.6	977.5	976.4	975.3	974.2	973.9	973.6
177.5°	976.3	977.8	979.2	979.9	979.4	978.3	977.2	976.1	975.0	974.8	974.6
180°	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2032.9	2025.3	2020.7	2023.8	2014.6	1991.8	1991.8	1999.4	1990.3	1981.1	1967.4
5°	2089.3	2074.0	2064.9	2063.4	2042.1	2005.5	1997.9	1990.3	1970.5	1949.2	1926.3
7.5°	2144.1	2116.7	2101.4	2090.8	2060.3	2013.1	1993.3	1976.6	1944.6	1912.6	1883.7
10°	2189.8	2150.2	2131.9	2115.1	2075.6	2016.2	1984.2	1953.7	1912.6	1871.5	1835.0
12.5°	2226.3	2180.6	2157.8	2133.4	2084.7	2007.0	1967.4	1918.7	1877.6	1822.8	1786.2
15°	2287.2	2192.8	2171.5	2148.6	2098.4	1991.8	1943.1	1888.3	1831.9	1758.8	1719.2
17.5°	2335.9	2209.6	2208.0	2159.3	2093.8	1985.7	1911.1	1839.5	1778.6	1705.5	1643.1
20°	2364.9	2235.4	2211.1	2160.8	2078.6	1944.6	1866.9	1787.7	1722.3	1633.9	1571.5
22.5°	2389.2	2272.0	2208.0	2147.1	2046.6	1930.9	1816.7	1742.1	1652.2	1556.3	1496.9
25°	2398.4	2279.6	2212.6	2142.6	2023.8	1891.3	1761.9	1681.2	1580.6	1493.9	1413.1
27.5°	2399.9	2278.1	2195.9	2122.8	1991.8	1839.5	1707.0	1621.8	1510.6	1410.1	1329.4
30°	2384.7	2261.3	2186.7	2107.5	1961.3	1792.3	1640.0	1545.6	1426.8	1326.3	1242.6
32.5°	2339.0	2227.8	2166.9	2080.1	1921.8	1726.8	1576.1	1471.0	1346.1	1247.2	1166.5
35°	2262.9	2186.7	2119.7	2039.0	1870.0	1665.9	1512.1	1388.8	1262.4	1168.0	1091.8
37.5°	2168.4	2127.3	2064.9	1985.7	1810.6	1611.1	1440.6	1303.5	1177.1	1085.7	1011.1
40°	2040.5	2051.2	1990.3	1918.7	1740.5	1536.5	1347.7	1216.7	1097.9	1012.7	939.6
42.5°	1902.0	1946.1	1911.1	1842.6	1662.9	1454.3	1279.1	1134.5	1018.7	930.4	869.5
45°	1752.7	1828.9	1807.5	1757.3	1582.2	1367.5	1181.7	1041.6	939.6	854.3	801.0
47.5°	1589.8	1697.9	1697.9	1661.4	1492.3	1280.7	1097.9	954.8	854.3	793.4	741.6
50°	1423.8	1545.6	1565.4	1541.1	1391.8	1181.7	995.9	866.5	779.7	720.3	682.2
52.5°	1250.2	1391.8	1428.4	1416.2	1285.2	1087.3	912.1	785.8	706.6	654.8	621.3
55°	1084.2	1248.7	1288.3	1292.8	1171.0	983.7	819.3	708.1	632.0	596.9	568.0
57.5°	927.4	1085.7	1129.9	1137.5	1055.3	889.3	732.5	635.0	566.5	537.5	514.7
60°	793.4	925.9	983.7	1000.5	928.9	779.7	651.8	557.3	505.6	478.2	456.8
62.5°	683.7	790.3	851.2	855.8	823.8	683.7	568.0	488.8	444.7	420.3	409.6
65°	577.1	673.1	709.6	727.9	702.0	592.4	490.3	424.9	389.8	368.5	357.9
67.5°	491.9	552.8	583.2	607.6	581.7	499.5	417.2	363.9	338.1	316.7	310.6
70°	403.5	453.8	476.6	501.0	478.2	415.7	356.3	307.6	284.8	268.0	260.4
72.5°	322.8	362.4	383.7	399.0	385.3	333.5	284.8	251.3	234.5	222.3	217.8
75°	255.8	283.2	295.4	306.1	300.0	260.4	229.9	202.5	187.3	176.6	173.6
77.5°	194.9	214.7	228.4	231.5	223.8	198.0	172.1	155.3	143.1	137.1	134.0
80°	138.6	150.8	158.4	162.9	155.3	144.7	126.4	114.2	103.5	95.9	94.4
82.5°	92.9	99.0	105.1	103.5	100.5	91.4	80.7	74.6	70.0	64.0	64.0
85°	53.3	54.8	57.9	59.4	57.9	51.8	45.7	42.6	39.6	35.0	35.0
87.5°	22.8	24.4	24.4	25.9	22.8	22.8	19.8	16.8	16.8	15.2	13.7
90°	10.4	9.1	8.5	7.6	5.9	4.2	2.4	0.7	2.4	4.2	5.9
92.5°	15.5	15.0	14.8	15.1	15.7	16.4	17.0	17.6	17.0	16.4	15.7
95°	24.2	23.1	22.6	25.2	30.4	35.5	40.7	45.9	40.7	35.5	30.4
97.5°	28.5	26.0	24.7	31.1	44.0	56.9	69.7	82.6	69.7	56.9	44.0
100°	32.2	29.5	28.2	39.0	60.5	82.0	103.5	125.0	103.5	82.0	60.5
102.5°	127.3	155.8	170.1	170.3	170.6	170.9	171.3	171.6	171.3	170.9	170.6
105°	171.6	214.4	235.8	233.4	228.7	224.0	219.3	214.6	219.3	224.0	228.7
107.5°	203.1	256.0	282.4	280.4	276.5	272.6	268.6	264.7	268.6	272.6	276.5
110°	259.6	304.9	327.6	325.9	322.6	319.3	316.0	312.7	316.0	319.3	322.6



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	366.6	369.3	370.6	369.2	366.4	363.5	360.7	357.9	360.7	363.5	366.4
115°	423.8	419.9	417.9	416.6	413.9	411.2	408.6	405.9	408.6	411.2	413.9
117.5°	465.7	463.0	461.7	460.1	457.0	453.9	450.7	447.6	450.7	453.9	457.0
120°	509.0	506.2	504.8	503.6	501.3	498.9	496.6	494.2	496.6	498.9	501.3
122.5°	549.7	546.6	545.0	543.7	541.2	538.7	536.2	533.7	536.2	538.7	541.2
125°	587.6	584.6	583.1	582.1	580.1	578.0	576.0	574.0	576.0	578.0	580.1
127.5°	624.1	621.8	620.6	619.5	617.3	615.1	612.9	610.7	612.9	615.1	617.3
130°	659.2	657.5	656.6	655.3	652.8	650.3	647.8	645.3	647.8	650.3	652.8
132.5°	692.3	690.6	689.7	688.7	686.7	684.6	682.6	680.6	682.6	684.6	686.7
135°	723.6	722.2	721.5	720.2	717.7	715.2	712.7	710.2	712.7	715.2	717.7
137.5°	752.1	750.5	749.7	748.8	746.9	745.0	743.2	741.3	743.2	745.0	746.9
140°	779.9	778.2	777.3	776.7	775.4	774.1	772.9	771.6	772.9	774.1	775.4
142.5°	805.1	803.0	802.0	801.4	800.3	799.2	798.1	797.0	798.1	799.2	800.3
145°	827.2	824.5	823.2	823.3	823.4	823.6	823.7	823.9	823.7	823.6	823.4
147.5°	849.1	846.4	845.1	845.3	845.8	846.3	846.7	847.2	846.7	846.3	845.8
150°	868.6	866.1	864.8	865.4	866.5	867.6	868.7	869.8	868.7	867.6	866.5
152.5°	886.7	884.4	883.2	883.8	885.1	886.3	887.6	888.8	887.6	886.3	885.1
155°	903.6	901.7	900.8	901.5	902.9	904.4	905.8	907.2	905.8	904.4	902.9
157.5°	918.5	917.1	916.4	917.0	918.3	919.5	920.8	922.0	920.8	919.5	918.3
160°	931.9	931.0	930.5	931.0	931.9	932.8	933.8	934.7	933.8	932.8	931.9
162.5°	943.0	942.2	941.8	942.3	943.2	944.1	945.1	946.0	945.1	944.1	943.2
165°	952.4	951.9	951.7	952.2	953.1	954.0	955.0	955.9	955.0	954.0	953.1
167.5°	960.1	959.6	959.4	959.9	960.8	961.8	962.7	963.7	962.7	961.8	960.8
170°	966.3	966.0	965.8	966.3	967.2	968.1	969.1	970.0	969.1	968.1	967.2
172.5°	970.5	970.2	970.0	970.5	971.4	972.3	973.3	974.2	973.3	972.3	971.4
175°	973.3	973.0	972.8	973.4	974.5	975.6	976.7	977.8	976.7	975.6	974.5
177.5°	974.5	974.3	974.2	974.8	975.9	977.0	978.1	979.2	978.1	977.0	975.9
180°	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7

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CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1959.8	1967.4	1965.9	1950.7	1933.9	1920.2	1894.3	1897.4	1888.3	1889.8	1898.9
5°	1911.1	1911.1	1905.0	1883.7	1856.3	1841.0	1812.1	1804.5	1786.2	1784.7	1783.2
7.5°	1859.3	1851.7	1844.1	1813.6	1780.1	1755.8	1716.2	1707.0	1688.8	1676.6	1670.5
10°	1798.4	1787.7	1772.5	1737.5	1696.4	1665.9	1624.8	1612.6	1577.6	1562.4	1553.2
12.5°	1731.4	1725.3	1700.9	1672.0	1605.0	1571.5	1512.1	1524.3	1489.3	1458.8	1454.3
15°	1664.4	1641.6	1627.9	1580.6	1499.9	1484.7	1437.5	1413.1	1381.2	1356.8	1356.8
17.5°	1598.9	1563.9	1533.4	1483.2	1423.8	1381.2	1346.1	1334.0	1294.4	1270.0	1265.4
20°	1512.1	1472.5	1464.9	1393.3	1352.2	1305.0	1271.5	1241.1	1212.1	1201.5	1193.9
22.5°	1429.9	1384.2	1372.0	1311.1	1270.0	1222.8	1189.3	1168.0	1146.7	1139.0	1125.3
25°	1341.6	1314.2	1295.9	1230.4	1184.7	1140.6	1117.7	1102.5	1082.7	1081.2	1072.0
27.5°	1256.3	1230.4	1212.1	1149.7	1116.2	1075.1	1056.8	1040.1	1029.4	1024.8	1020.3
30°	1183.2	1154.3	1133.0	1087.3	1046.2	1012.7	997.4	986.8	980.7	973.1	971.5
32.5°	1102.5	1085.7	1056.8	1021.8	989.8	957.8	948.7	941.1	931.9	928.9	927.4
35°	1034.0	1011.1	992.9	953.3	939.6	912.1	901.5	895.4	883.2	880.2	877.1
37.5°	967.0	945.6	925.9	901.5	875.6	860.4	854.3	845.1	839.1	840.6	837.5
40°	900.0	883.2	868.0	842.1	826.9	819.3	807.1	797.9	794.9	796.4	794.9
42.5°	834.5	819.3	810.1	790.3	775.1	767.5	759.9	750.7	755.3	755.3	759.9
45°	775.1	761.4	755.3	740.1	730.9	718.8	711.1	709.6	715.7	714.2	714.2
47.5°	714.2	709.6	702.0	688.3	676.1	668.5	667.0	667.0	673.1	676.1	674.6
50°	667.0	657.8	648.7	638.0	628.9	625.9	621.3	624.3	630.4	630.4	633.5
52.5°	607.6	601.5	598.5	589.3	583.2	583.2	583.2	584.7	589.3	593.9	592.4
55°	555.8	551.2	548.2	543.6	536.0	537.5	536.0	539.1	543.6	548.2	551.2
57.5°	501.0	499.5	496.4	488.8	488.8	487.3	491.9	493.4	501.0	504.0	508.6
60°	452.3	447.7	447.7	441.6	441.6	441.6	446.2	450.7	456.8	458.4	461.4
62.5°	400.5	400.5	399.0	394.4	394.4	399.0	400.5	406.6	409.6	409.6	414.2
65°	351.8	350.2	348.7	350.2	351.8	351.8	356.3	359.4	362.4	363.9	365.5
67.5°	303.0	301.5	304.6	303.0	306.1	312.2	310.6	315.2	319.8	319.8	321.3
70°	257.4	260.4	258.9	261.9	260.4	263.4	268.0	269.5	269.5	271.1	275.6
72.5°	214.7	214.7	214.7	213.2	214.7	217.8	220.8	222.3	225.4	226.9	231.5
75°	173.6	173.6	170.6	173.6	173.6	176.6	179.7	179.7	179.7	182.7	187.3
77.5°	131.0	132.5	131.0	134.0	134.0	135.5	138.6	137.1	140.1	141.6	143.1
80°	95.9	94.4	94.4	94.4	95.9	95.9	99.0	100.5	100.5	105.1	102.0
82.5°	60.9	62.4	60.9	62.4	62.4	64.0	62.4	64.0	65.5	68.5	67.0
85°	35.0	33.5	33.5	35.0	33.5	33.5	35.0	33.5	35.0	33.5	35.0
87.5°	13.7	12.2	12.2	12.2	12.2	10.7	10.7	9.1	9.1	9.1	7.6
90°	7.6	8.5	9.1	10.4	11.6	12.9	14.1	14.9	15.7	16.4	17.2
92.5°	15.1	14.8	15.0	15.5	16.0	16.4	16.9	17.2	17.6	17.9	18.2
95°	25.2	22.6	23.1	24.2	25.3	26.4	27.5	28.3	29.1	29.9	30.7
97.5°	31.1	24.7	26.0	28.5	31.0	33.5	36.0	36.5	36.9	37.4	37.9
100°	39.0	28.2	29.5	32.2	34.9	37.5	40.2	41.5	42.7	44.0	45.3
102.5°	170.3	170.1	155.8	127.3	98.8	70.2	41.7	43.4	45.1	46.8	48.5
105°	233.4	235.8	214.4	171.6	128.7	85.9	43.1	44.8	46.5	48.2	49.9
107.5°	280.4	282.4	256.0	203.1	150.2	97.4	44.5	46.2	47.9	49.6	51.3
110°	325.9	327.6	304.9	259.6	214.2	168.9	123.5	107.8	92.1	76.4	60.7

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	369.2	370.6	369.3	366.6	363.9	361.3	358.6	291.0	223.4	155.8	88.2
115°	416.6	417.9	419.9	423.8	427.7	431.7	435.6	363.0	290.3	217.7	145.0
117.5°	460.1	461.7	463.0	465.7	468.4	471.0	473.7	451.3	428.9	406.4	384.0
120°	503.6	504.8	506.2	509.0	511.9	514.7	517.5	519.4	521.3	523.2	525.1
122.5°	543.7	545.0	546.6	549.7	552.8	556.0	559.1	560.1	561.0	562.0	562.9
125°	582.1	583.1	584.6	587.6	590.5	593.5	596.5	597.6	598.7	599.8	600.9
127.5°	619.5	620.6	621.8	624.1	626.4	628.8	631.1	632.7	634.3	635.8	637.4
130°	655.3	656.6	657.5	659.2	660.9	662.6	664.3	666.0	667.8	669.5	671.2
132.5°	688.7	689.7	690.6	692.3	694.0	695.8	697.5	698.9	700.3	701.8	703.2
135°	720.2	721.5	722.2	723.6	725.1	726.5	727.9	729.5	731.0	732.6	734.1
137.5°	748.8	749.7	750.5	752.1	753.6	755.2	756.8	758.4	760.0	761.5	763.1
140°	776.7	777.3	778.2	779.9	781.6	783.3	785.0	786.4	787.8	789.3	790.7
142.5°	801.4	802.0	803.0	805.1	807.1	809.2	811.2	812.4	813.7	814.9	816.2
145°	823.3	823.2	824.5	827.2	829.9	832.5	835.2	836.3	837.4	838.5	839.6
147.5°	845.3	845.1	846.4	849.1	851.8	854.4	857.1	857.9	858.7	859.4	860.2
150°	865.4	864.8	866.1	868.6	871.1	873.6	876.1	877.1	878.0	879.0	879.9
152.5°	883.8	883.2	884.4	886.7	889.1	891.4	893.8	894.7	895.7	896.6	897.5
155°	901.5	900.8	901.7	903.6	905.5	907.4	909.3	910.2	911.2	912.1	913.0
157.5°	917.0	916.4	917.1	918.5	919.9	921.3	922.7	923.8	924.9	926.0	927.1
160°	931.0	930.5	931.0	931.9	932.8	933.8	934.7	935.6	936.6	937.5	938.4
162.5°	942.3	941.8	942.2	943.0	943.7	944.5	945.3	946.4	947.5	948.6	949.7
165°	952.2	951.7	951.9	952.4	952.9	953.3	953.8	954.9	956.0	957.1	958.2
167.5°	959.9	959.4	959.6	960.1	960.6	961.0	961.5	962.6	963.7	964.8	965.9
170°	966.3	965.8	966.0	966.3	966.6	966.9	967.2	968.3	969.4	970.5	971.6
172.5°	970.5	970.0	970.2	970.5	970.8	971.1	971.4	972.5	973.6	974.7	975.8
175°	973.4	972.8	973.0	973.3	973.6	973.9	974.2	975.3	976.4	977.5	978.6
177.5°	974.8	974.2	974.3	974.5	974.6	974.8	975.0	976.1	977.2	978.3	979.4
180°	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1888.3	1892.8	1882.2	1879.1	1882.2	1871.5	1874.5	1877.6	1877.6	1882.2	1885.2
5°	1778.6	1772.5	1761.9	1758.8	1755.8	1760.3	1757.3	1761.9	1763.4	1774.0	1775.6
7.5°	1670.5	1661.4	1652.2	1643.1	1640.0	1632.4	1640.0	1640.0	1650.7	1647.7	1655.3
10°	1542.6	1541.1	1528.9	1524.3	1518.2	1506.0	1522.8	1518.2	1525.8	1539.5	1542.6
12.5°	1448.2	1431.4	1439.0	1417.7	1425.3	1413.1	1414.7	1414.7	1426.8	1428.4	1425.3
15°	1358.3	1344.6	1324.8	1315.7	1311.1	1305.0	1324.8	1326.3	1317.2	1338.5	1330.9
17.5°	1267.0	1267.0	1248.7	1244.1	1231.9	1238.0	1235.0	1236.5	1233.5	1248.7	1256.3
20°	1187.8	1180.2	1174.1	1175.6	1160.4	1157.3	1154.3	1157.3	1168.0	1178.6	1181.7
22.5°	1123.8	1119.2	1104.0	1107.1	1094.9	1099.4	1096.4	1104.0	1105.5	1105.5	1116.2
25°	1062.9	1056.8	1058.3	1052.2	1047.7	1047.7	1043.1	1047.7	1053.8	1056.8	1058.3
27.5°	1017.2	1012.7	1005.0	1000.5	1003.5	995.9	1002.0	1006.6	1006.6	1003.5	1006.6
30°	962.4	965.4	965.4	950.2	956.3	953.3	957.8	960.9	960.9	962.4	959.4
32.5°	925.9	916.7	915.2	913.7	913.7	907.6	907.6	912.1	913.7	915.2	919.8
35°	877.1	877.1	869.5	874.1	868.0	869.5	868.0	869.5	872.6	868.0	872.6
37.5°	833.0	834.5	831.4	834.5	836.0	833.0	829.9	836.0	833.0	833.0	829.9
40°	794.9	793.4	794.9	794.9	794.9	796.4	793.4	793.4	793.4	790.3	787.3
42.5°	762.9	753.8	756.8	758.3	753.8	753.8	755.3	753.8	758.3	749.2	749.2
45°	717.2	714.2	715.7	715.7	718.8	714.2	717.2	718.8	714.2	712.7	709.6
47.5°	676.1	679.2	676.1	679.2	679.2	682.2	676.1	677.6	679.2	673.1	668.5
50°	635.0	635.0	639.6	638.0	639.6	636.5	636.5	635.0	636.5	633.5	628.9
52.5°	596.9	592.4	600.0	598.5	596.9	595.4	593.9	595.4	592.4	589.3	589.3
55°	549.7	549.7	554.3	555.8	555.8	552.8	549.7	551.2	549.7	548.2	546.7
57.5°	511.7	505.6	508.6	510.1	510.1	505.6	508.6	505.6	505.6	507.1	502.5
60°	462.9	462.9	459.9	464.4	464.4	461.4	461.4	462.9	459.9	458.4	456.8
62.5°	411.2	412.7	417.2	418.8	420.3	417.2	414.2	415.7	415.7	411.2	412.7
65°	367.0	370.0	376.1	374.6	371.6	373.1	370.0	371.6	367.0	368.5	363.9
67.5°	324.4	322.8	324.4	324.4	327.4	325.9	322.8	322.8	321.3	325.9	321.3
70°	278.7	278.7	278.7	278.7	280.2	281.7	278.7	275.6	277.1	274.1	272.6
72.5°	231.5	233.0	231.5	234.5	229.9	233.0	233.0	231.5	229.9	229.9	229.9
75°	187.3	190.3	185.8	187.3	185.8	188.8	187.3	187.3	184.3	182.7	184.3
77.5°	143.1	144.7	141.6	143.1	141.6	143.1	143.1	141.6	141.6	141.6	141.6
80°	102.0	103.5	102.0	100.5	99.0	102.0	99.0	100.5	102.0	100.5	103.5
82.5°	65.5	65.5	64.0	65.5	62.4	62.4	64.0	64.0	62.4	65.5	62.4
85°	32.0	32.0	35.0	32.0	30.5	30.5	30.5	32.0	30.5	33.5	32.0
87.5°	7.6	6.1	7.6	7.6	6.1	6.1	7.6	6.1	7.6	9.1	6.1
90°	17.6	17.8	18.1	18.4	18.8	19.1	18.8	18.4	18.1	17.8	17.6
92.5°	18.4	18.5	18.6	18.8	18.9	19.1	18.9	18.8	18.6	18.5	18.4
95°	31.1	31.0	30.9	30.7	30.6	30.4	30.6	30.7	30.9	31.0	31.1
97.5°	38.1	38.2	38.3	38.5	38.6	38.8	38.6	38.5	38.3	38.2	38.1
100°	45.9	46.1	46.4	46.7	47.0	47.3	47.0	46.7	46.4	46.1	45.9
102.5°	49.4	49.6	50.1	50.6	51.0	51.5	51.0	50.6	50.1	49.6	49.4
105°	50.8	51.1	51.8	52.4	53.1	53.7	53.1	52.4	51.8	51.1	50.8
107.5°	52.2	52.5	53.2	53.8	54.5	55.1	54.5	53.8	53.2	52.5	52.2
110°	52.9	53.2	53.9	54.5	55.2	55.8	55.2	54.5	53.9	53.2	52.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	54.4	54.6	55.1	55.6	56.0	56.5	56.0	55.6	55.1	54.6	54.4
115°	108.7	103.1	91.8	80.5	69.2	57.9	69.2	80.5	91.8	103.1	108.7
117.5°	372.8	352.2	311.1	270.0	228.9	187.8	228.9	270.0	311.1	352.2	372.8
120°	526.0	515.4	494.2	473.0	451.8	430.6	451.8	473.0	494.2	515.4	526.0
122.5°	563.4	563.5	563.6	563.8	563.9	564.1	563.9	563.8	563.6	563.5	563.4
125°	601.5	601.7	602.2	602.7	603.1	603.6	603.1	602.7	602.2	601.7	601.5
127.5°	638.2	638.3	638.4	638.6	638.7	638.9	638.7	638.6	638.4	638.3	638.2
130°	672.1	672.0	671.9	671.7	671.6	671.4	671.6	671.7	671.9	672.0	672.1
132.5°	703.9	703.8	703.7	703.5	703.4	703.2	703.4	703.5	703.7	703.8	703.9
135°	734.9	734.7	734.4	734.1	733.8	733.5	733.8	734.1	734.4	734.7	734.9
137.5°	763.9	763.7	763.2	762.7	762.2	761.7	762.2	762.7	763.2	763.7	763.9
140°	791.4	791.0	790.2	789.5	788.7	787.9	788.7	789.5	790.2	791.0	791.4
142.5°	816.8	816.4	815.6	814.9	814.1	813.3	814.1	814.9	815.6	816.4	816.8
145°	840.1	839.7	838.9	838.2	837.4	836.6	837.4	838.2	838.9	839.7	840.1
147.5°	860.6	860.3	859.7	859.0	858.4	857.8	858.4	859.0	859.7	860.3	860.6
150°	880.4	880.0	879.2	878.4	877.6	876.8	877.6	878.4	879.2	880.0	880.4
152.5°	898.0	897.5	896.4	895.3	894.2	893.1	894.2	895.3	896.4	897.5	898.0
155°	913.5	912.9	911.6	910.4	909.1	907.9	909.1	910.4	911.6	912.9	913.5
157.5°	927.7	927.1	925.8	924.5	923.3	922.0	923.3	924.5	925.8	927.1	927.7
160°	938.9	938.4	937.3	936.2	935.1	934.0	935.1	936.2	937.3	938.4	938.9
162.5°	950.2	949.5	948.1	946.7	945.3	943.9	945.3	946.7	948.1	949.5	950.2
165°	958.7	958.2	957.1	956.0	954.9	953.8	954.9	956.0	957.1	958.2	958.7
167.5°	966.5	965.8	964.4	962.9	961.5	960.1	961.5	962.9	964.4	965.8	966.5
170°	972.1	971.4	970.0	968.6	967.2	965.8	967.2	968.6	970.0	971.4	972.1
172.5°	976.4	975.7	974.3	972.8	971.4	970.0	971.4	972.8	974.3	975.7	976.4
175°	979.2	978.4	976.8	975.3	973.7	972.1	973.7	975.3	976.8	978.4	979.2
177.5°	979.9	979.2	977.8	976.3	974.9	973.5	974.9	976.3	977.8	979.2	979.9
180°	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1880.6	1892.8	1888.3	1871.5	1891.3	1891.3	1905.0	1905.0	1921.8	1927.8	1937.0
5°	1774.0	1783.2	1790.8	1783.2	1796.9	1818.2	1830.4	1841.0	1863.9	1873.0	1886.7
7.5°	1659.8	1676.6	1684.2	1684.2	1707.0	1731.4	1755.8	1771.0	1803.0	1815.2	1828.9
10°	1548.7	1568.5	1583.7	1582.2	1620.2	1635.5	1665.9	1700.9	1732.9	1751.2	1771.0
12.5°	1431.4	1442.1	1463.4	1493.9	1503.0	1530.4	1565.4	1609.6	1667.4	1684.2	1713.1
15°	1334.0	1362.9	1379.6	1393.3	1414.7	1440.6	1478.6	1521.3	1579.1	1615.7	1646.1
17.5°	1251.7	1289.8	1300.5	1297.4	1324.8	1364.4	1408.6	1440.6	1492.3	1536.5	1565.4
20°	1184.7	1200.0	1218.2	1225.8	1247.2	1289.8	1332.4	1369.0	1411.6	1446.6	1480.1
22.5°	1117.7	1129.9	1145.1	1158.8	1175.6	1200.0	1241.1	1286.8	1327.9	1361.4	1399.4
25°	1062.9	1070.5	1084.2	1094.9	1113.2	1129.9	1158.8	1209.1	1257.8	1277.6	1311.1
27.5°	1009.6	1015.7	1024.8	1037.0	1046.2	1062.9	1088.8	1129.9	1180.2	1200.0	1245.6
30°	962.4	967.0	976.1	982.2	986.8	1006.6	1026.4	1058.3	1096.4	1123.8	1157.3
32.5°	918.2	922.8	931.9	933.5	939.6	950.2	968.5	997.4	1030.9	1053.8	1082.7
35°	869.5	872.6	881.7	884.7	889.3	898.4	912.1	933.5	963.9	980.7	1006.6
37.5°	831.4	829.9	836.0	840.6	846.7	851.2	855.8	877.1	900.0	915.2	935.0
40°	790.3	787.3	788.8	794.9	797.9	804.0	804.0	825.3	840.6	852.8	868.0
42.5°	749.2	747.7	744.6	747.7	750.7	752.3	753.8	769.0	784.2	794.9	811.6
45°	708.1	706.6	703.5	705.0	705.0	708.1	712.7	718.8	729.4	738.5	747.7
47.5°	670.0	667.0	662.4	660.9	663.9	663.9	663.9	670.0	680.7	683.7	692.9
50°	630.4	625.9	619.8	616.7	616.7	615.2	618.2	619.8	628.9	632.0	639.6
52.5°	587.8	584.7	578.7	572.6	574.1	571.0	572.6	574.1	577.1	581.7	586.3
55°	545.2	539.1	534.5	533.0	528.4	528.4	523.8	529.9	528.4	529.9	536.0
57.5°	504.0	498.0	490.3	487.3	482.7	481.2	478.2	476.6	478.2	482.7	487.3
60°	455.3	452.3	447.7	443.1	440.1	435.5	432.5	432.5	430.9	430.9	432.5
62.5°	408.1	406.6	400.5	399.0	395.9	392.9	388.3	385.3	385.3	388.3	389.8
65°	362.4	360.9	356.3	354.8	347.2	344.1	342.6	341.1	338.1	338.1	338.1
67.5°	319.8	315.2	315.2	307.6	301.5	298.5	295.4	293.9	293.9	293.9	295.4
70°	272.6	272.6	268.0	263.4	257.4	258.9	254.3	249.7	249.7	246.7	248.2
72.5°	226.9	225.4	220.8	219.3	214.7	210.1	207.1	210.1	205.6	204.1	205.6
75°	182.7	181.2	178.2	175.1	176.6	172.1	167.5	166.0	166.0	162.9	162.9
77.5°	140.1	143.1	137.1	135.5	132.5	129.4	127.9	126.4	126.4	126.4	129.4
80°	97.5	99.0	99.0	95.9	97.5	92.9	92.9	92.9	88.3	89.8	91.4
82.5°	62.4	62.4	60.9	62.4	60.9	60.9	59.4	59.4	57.9	57.9	59.4
85°	35.0	33.5	32.0	35.0	33.5	33.5	32.0	32.0	32.0	32.0	32.0
87.5°	7.6	9.1	9.1	9.1	9.1	10.7	10.7	10.7	12.2	12.2	12.2
90°	17.2	16.4	15.7	14.9	14.1	12.9	11.6	10.4	9.1	8.5	7.6
92.5°	18.2	17.9	17.6	17.2	16.9	16.4	16.0	15.5	15.0	14.8	15.1
95°	30.7	29.9	29.1	28.3	27.5	26.4	25.3	24.2	23.1	22.6	25.2
97.5°	37.9	37.4	36.9	36.5	36.0	33.5	31.0	28.5	26.0	24.7	31.1
100°	45.3	44.0	42.7	41.5	40.2	37.5	34.9	32.2	29.5	28.2	39.0
102.5°	48.5	46.8	45.1	43.4	41.7	70.2	98.8	127.3	155.8	170.1	170.3
105°	49.9	48.2	46.5	44.8	43.1	85.9	128.7	171.6	214.4	235.8	233.4
107.5°	51.3	49.6	47.9	46.2	44.5	97.4	150.2	203.1	256.0	282.4	280.4
110°	60.7	76.4	92.1	107.8	123.5	168.9	214.2	259.6	304.9	327.6	325.9

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	88.2	155.8	223.4	291.0	358.6	361.3	363.9	366.6	369.3	370.6	369.2
115°	145.0	217.7	290.3	363.0	435.6	431.7	427.7	423.8	419.9	417.9	416.6
117.5°	384.0	406.4	428.9	451.3	473.7	471.0	468.4	465.7	463.0	461.7	460.1
120°	525.1	523.2	521.3	519.4	517.5	514.7	511.9	509.0	506.2	504.8	503.6
122.5°	562.9	562.0	561.0	560.1	559.1	556.0	552.8	549.7	546.6	545.0	543.7
125°	600.9	599.8	598.7	597.6	596.5	593.5	590.5	587.6	584.6	583.1	582.1
127.5°	637.4	635.8	634.3	632.7	631.1	628.8	626.4	624.1	621.8	620.6	619.5
130°	671.2	669.5	667.8	666.0	664.3	662.6	660.9	659.2	657.5	656.6	655.3
132.5°	703.2	701.8	700.3	698.9	697.5	695.8	694.0	692.3	690.6	689.7	688.7
135°	734.1	732.6	731.0	729.5	727.9	726.5	725.1	723.6	722.2	721.5	720.2
137.5°	763.1	761.5	760.0	758.4	756.8	755.2	753.6	752.1	750.5	749.7	748.8
140°	790.7	789.3	787.8	786.4	785.0	783.3	781.6	779.9	778.2	777.3	776.7
142.5°	816.2	814.9	813.7	812.4	811.2	809.2	807.1	805.1	803.0	802.0	801.4
145°	839.6	838.5	837.4	836.3	835.2	832.5	829.9	827.2	824.5	823.2	823.3
147.5°	860.2	859.4	858.7	857.9	857.1	854.4	851.8	849.1	846.4	845.1	845.3
150°	879.9	879.0	878.0	877.1	876.1	873.6	871.1	868.6	866.1	864.8	865.4
152.5°	897.5	896.6	895.7	894.7	893.8	891.4	889.1	886.7	884.4	883.2	883.8
155°	913.0	912.1	911.2	910.2	909.3	907.4	905.5	903.6	901.7	900.8	901.5
157.5°	927.1	926.0	924.9	923.8	922.7	921.3	919.9	918.5	917.1	916.4	917.0
160°	938.4	937.5	936.6	935.6	934.7	933.8	932.8	931.9	931.0	930.5	931.0
162.5°	949.7	948.6	947.5	946.4	945.3	944.5	943.7	943.0	942.2	941.8	942.3
165°	958.2	957.1	956.0	954.9	953.8	953.3	952.9	952.4	951.9	951.7	952.2
167.5°	965.9	964.8	963.7	962.6	961.5	961.0	960.6	960.1	959.6	959.4	959.9
170°	971.6	970.5	969.4	968.3	967.2	966.9	966.6	966.3	966.0	965.8	966.3
172.5°	975.8	974.7	973.6	972.5	971.4	971.1	970.8	970.5	970.2	970.0	970.5
175°	978.6	977.5	976.4	975.3	974.2	973.9	973.6	973.3	973.0	972.8	973.4
177.5°	979.4	978.3	977.2	976.1	975.0	974.8	974.6	974.5	974.3	974.2	974.8
180°	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7	975.7

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1981.1	1981.1	1981.1	1981.1
2.5°	1944.6	1944.6	1967.4	1991.8
5°	1902.0	1912.6	1949.2	1982.7
7.5°	1860.8	1879.1	1924.8	1967.4
10°	1810.6	1835.0	1891.3	1941.5
12.5°	1761.9	1784.7	1850.2	1906.5
15°	1693.3	1722.3	1792.3	1862.4
17.5°	1624.8	1653.7	1739.0	1821.2
20°	1544.1	1582.2	1678.1	1787.7
22.5°	1469.5	1516.7	1623.3	1711.6
25°	1387.3	1460.3	1559.3	1673.5
27.5°	1314.2	1387.3	1487.8	1603.5
30°	1231.9	1306.5	1410.1	1516.7
32.5°	1152.7	1221.3	1321.8	1452.7
35°	1070.5	1136.0	1233.5	1365.9
37.5°	995.9	1059.9	1166.5	1288.3
40°	922.8	989.8	1081.2	1203.0
42.5°	854.3	913.7	995.9	1117.7
45°	791.8	834.5	910.6	1024.8
47.5°	726.4	764.4	834.5	948.7
50°	665.5	697.4	758.3	864.9
52.5°	606.1	633.5	689.8	775.1
55°	552.8	578.7	619.8	703.5
57.5°	498.0	517.7	557.3	624.3
60°	444.7	462.9	494.9	549.7
62.5°	391.4	406.6	437.0	481.2
65°	344.1	356.3	379.2	417.2
67.5°	298.5	306.1	324.4	354.8
70°	254.3	260.4	275.6	300.0
72.5°	207.1	213.2	229.9	246.7
75°	167.5	169.0	181.2	194.9
77.5°	131.0	129.4	138.6	149.2
80°	89.8	94.4	102.0	106.6
82.5°	60.9	62.4	65.5	68.5
85°	33.5	35.0	35.0	39.6
87.5°	13.7	15.2	15.2	16.8
90°	5.9	4.2	2.4	0.7
92.5°	15.7	16.4	17.0	17.6
95°	30.4	35.5	40.7	45.9
97.5°	44.0	56.9	69.7	82.6
100°	60.5	82.0	103.5	125.0
102.5°	170.6	170.9	171.3	171.6
105°	228.7	224.0	219.3	214.6
107.5°	276.5	272.6	268.6	264.7
110°	322.6	319.3	316.0	312.7

TEST NUMBER: P1029249

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	366.4	363.5	360.7	357.9
115°	413.9	411.2	408.6	405.9
117.5°	457.0	453.9	450.7	447.6
120°	501.3	498.9	496.6	494.2
122.5°	541.2	538.7	536.2	533.7
125°	580.1	578.0	576.0	574.0
127.5°	617.3	615.1	612.9	610.7
130°	652.8	650.3	647.8	645.3
132.5°	686.7	684.6	682.6	680.6
135°	717.7	715.2	712.7	710.2
137.5°	746.9	745.0	743.2	741.3
140°	775.4	774.1	772.9	771.6
142.5°	800.3	799.2	798.1	797.0
145°	823.4	823.6	823.7	823.9
147.5°	845.8	846.3	846.7	847.2
150°	866.5	867.6	868.7	869.8
152.5°	885.1	886.3	887.6	888.8
155°	902.9	904.4	905.8	907.2
157.5°	918.3	919.5	920.8	922.0
160°	931.9	932.8	933.8	934.7
162.5°	943.2	944.1	945.1	946.0
165°	953.1	954.0	955.0	955.9
167.5°	960.8	961.8	962.7	963.7
170°	967.2	968.1	969.1	970.0
172.5°	971.4	972.3	973.3	974.2
175°	974.5	975.6	976.7	977.8
177.5°	975.9	977.0	978.1	979.2
180°	975.7	975.7	975.7	975.7

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