

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: P333394

Luminaire Tested: **S125DIW-S610D1560U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333394
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S610D1560U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8765.7 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

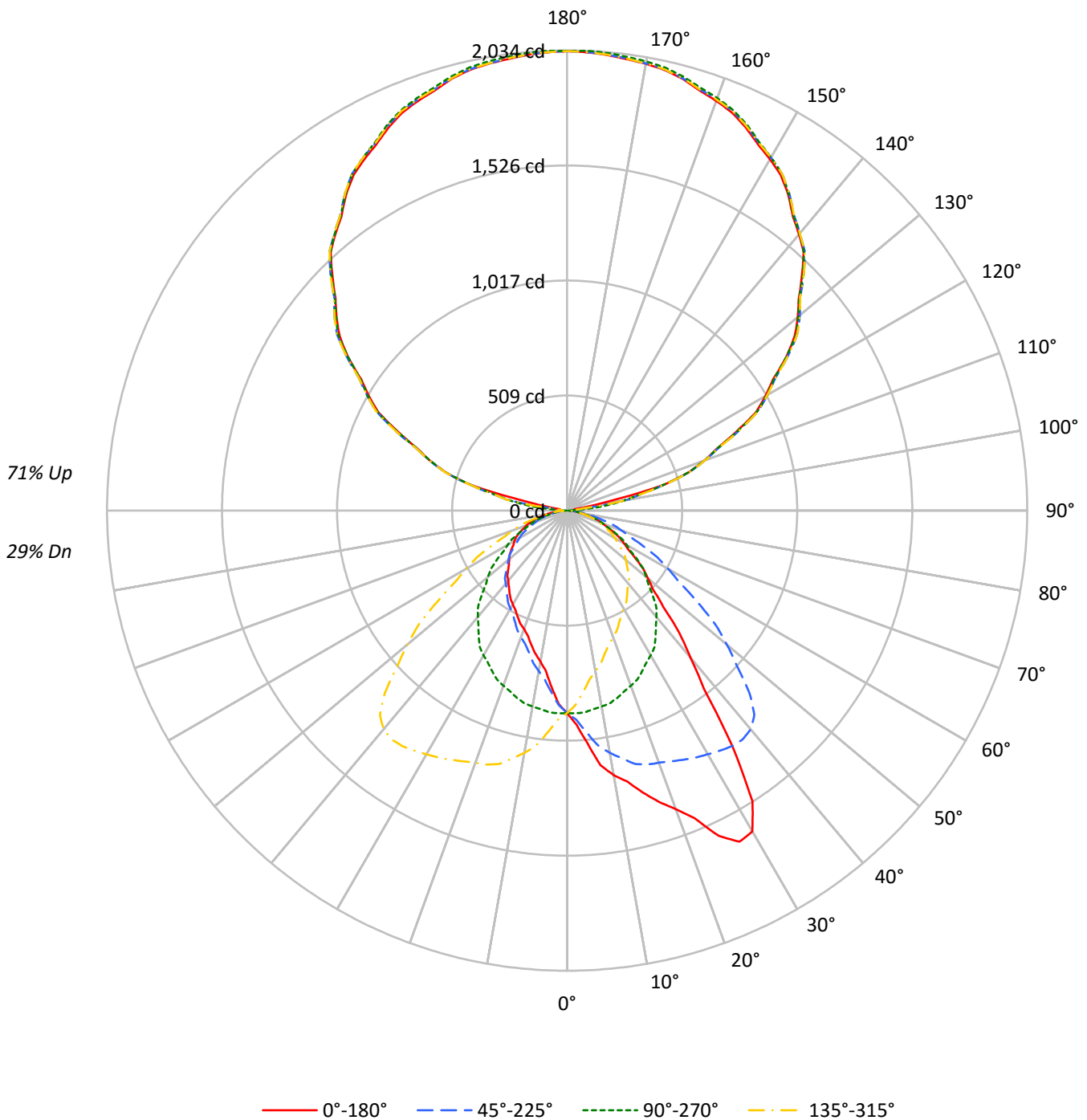
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37	29
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	28	26	21
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	19	15
5	65	54	46	40	58	49	42	37	39	34	30	29	26	23	21	19	17	13
6	60	48	40	35	53	43	37	32	35	30	26	26	23	20	19	17	15	12
7	55	43	36	30	49	39	33	28	31	26	23	24	21	18	17	15	13	10
8	51	39	32	27	46	35	29	24	28	24	20	22	18	16	16	13	12	9
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8
10	44	33	26	21	40	30	23	19	24	19	16	18	15	13	13	11	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5780	5780	5780	5780
5°	6694	5800	5078	5800
10°	7788	5770	4450	5770
15°	8620	5727	4105	5727
20°	9649	5660	3827	5660
25°	11305	5585	3693	5585
30°	12210	5510	3575	5510
35°	10039	5370	3498	5370
40°	7136	5176	3414	5176
45°	5482	4913	3366	4913
50°	4679	4588	3359	4588
55°	4166	4269	3388	4269
60°	3759	3920	3475	3920
65°	3472	3570	3564	3570
70°	3155	3206	3616	3206
75°	2787	2825	3583	2825
80°	2347	2302	3277	2302
85°	1860	1660	2645	1660



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.0
10°-20°	256.5	2.9
20°-30°	416.6	4.8
30°-40°	508.1	5.8
40°-50°	462.2	5.3
50°-60°	368.2	4.2
60°-70°	256.4	2.9
70°-80°	136.8	1.6
80°-90°	38.7	0.4
90°-100°	73.8	0.8
100°-110°	454.8	5.2
110°-120°	824.9	9.4
120°-130°	1058.6	12.1
130°-140°	1138.6	13.0
140°-150°	1068.8	12.2
150°-160°	864.5	9.9
160°-170°	559.1	6.4
170°-180°	192.9	2.2
0°-30°	759.2	8.7
0°-40°	1267.4	14.5
0°-60°	2097.8	23.9
0°-90°	2529.7	28.9
90°-120°	1353.5	15.4
90°-150°	4619.5	52.7
90°-180°	6236.0	71.1
0°-180°	8765.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	30
90°	36	2	36	2	36	16
95°	32	86	32	86	32	26
105°	447	443	447	443	447	404
115°	825	831	825	831	825	819
125°	1182	1182	1182	1182	1182	1051
135°	1468	1474	1468	1474	1468	1133
145°	1704	1709	1704	1709	1704	1064
155°	1868	1882	1868	1882	1868	861
165°	1975	1986	1975	1986	1975	557
175°	2022	2031	2022	2031	2022	192
180°	2031	2031	2031	2031	2031	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	14.5	14.9	15.0	14.8	14.9	14.7	15.5	15.2	15.8	16.4	17.1
90°	36.1	35.1	34.1	33.1	32.1	30.8	29.1	27.4	25.8	24.1	21.7
92.5°	33.7	33.3	32.8	32.3	31.8	30.8	29.1	27.4	25.8	24.1	22.0
95°	31.6	31.6	31.6	31.6	31.6	30.8	29.1	27.4	25.8	24.1	36.8
97.5°	31.6	31.6	31.6	31.6	31.6	36.3	45.8	55.2	64.6	74.1	99.2
100°	31.6	33.0	34.3	35.6	37.0	62.6	112.4	162.2	212.1	261.9	260.6
102.5°	189.4	212.1	234.9	257.6	280.4	296.5	305.9	315.3	324.8	334.2	333.4
105°	447.1	447.4	447.8	448.1	448.4	448.6	448.6	448.6	448.6	448.6	448.6
107.5°	563.6	564.6	565.6	566.6	567.6	568.1	568.0	568.0	567.9	567.8	567.2
110°	644.3	644.0	643.6	643.3	643.0	643.3	644.3	645.3	646.3	647.3	646.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	716.5	717.0	717.5	718.0	718.4	719.3	720.6	721.8	723.1	724.4	724.0
115°	824.9	826.9	828.9	831.0	833.0	834.6	836.0	837.3	838.6	840.0	839.7
117.5°	940.5	941.4	942.3	943.2	944.0	945.3	947.1	948.8	950.5	952.3	951.0
120°	1011.6	1013.3	1014.9	1016.6	1018.3	1019.5	1020.1	1020.8	1021.5	1022.1	1021.1
122.5°	1079.0	1081.0	1082.9	1084.9	1086.8	1088.1	1088.8	1089.4	1090.1	1090.8	1090.3
125°	1181.7	1182.7	1183.7	1184.7	1185.7	1186.9	1188.2	1189.6	1190.9	1192.2	1192.2
127.5°	1268.1	1270.6	1273.1	1275.5	1278.0	1279.6	1280.4	1281.1	1281.8	1282.6	1282.8
130°	1330.7	1332.4	1334.1	1335.8	1337.4	1338.8	1339.8	1340.8	1341.8	1342.8	1342.4
132.5°	1388.5	1390.2	1391.9	1393.6	1395.2	1396.2	1396.4	1396.6	1396.8	1397.0	1397.7
135°	1467.7	1469.7	1471.7	1473.7	1475.7	1477.1	1477.8	1478.4	1479.1	1479.8	1480.4
137.5°	1547.2	1548.9	1550.7	1552.4	1554.2	1555.0	1554.8	1554.7	1554.6	1554.4	1555.0
140°	1594.2	1596.2	1598.2	1600.2	1602.2	1602.9	1602.2	1601.5	1600.9	1600.2	1600.5
142.5°	1638.7	1640.7	1642.7	1644.7	1646.8	1647.7	1647.6	1647.4	1647.3	1647.2	1646.7
145°	1704.1	1706.1	1708.1	1710.1	1712.1	1712.9	1712.6	1712.3	1711.9	1711.6	1711.6
147.5°	1758.0	1760.4	1762.8	1765.2	1767.6	1768.6	1768.2	1767.8	1767.4	1767.0	1766.6
150°	1792.9	1795.6	1798.2	1800.9	1803.6	1804.6	1803.9	1803.2	1802.6	1801.9	1801.2
152.5°	1825.4	1827.8	1830.2	1832.6	1835.0	1835.9	1835.2	1834.6	1833.9	1833.2	1832.6
155°	1868.1	1870.8	1873.5	1876.2	1878.8	1879.7	1878.7	1877.7	1876.7	1875.7	1875.0
157.5°	1904.0	1906.6	1909.3	1912.0	1914.7	1915.5	1914.4	1913.3	1912.3	1911.2	1911.1
160°	1926.9	1929.5	1932.2	1934.9	1937.6	1938.2	1936.9	1935.5	1934.2	1932.9	1932.5
162.5°	1947.3	1950.3	1953.2	1956.2	1959.1	1959.6	1957.8	1955.9	1954.0	1952.1	1951.8
165°	1975.0	1977.7	1980.4	1983.1	1985.7	1986.1	1984.1	1982.0	1980.0	1978.0	1977.7
167.5°	1994.3	1997.3	2000.3	2003.3	2006.3	2006.6	2004.2	2001.8	1999.4	1997.0	1996.7
170°	2005.1	2008.1	2011.2	2014.2	2017.2	2017.3	2014.7	2012.0	2009.3	2006.6	2006.3
172.5°	2012.4	2015.4	2018.4	2021.4	2024.4	2024.7	2022.3	2019.9	2017.5	2015.1	2014.5
175°	2021.7	2024.7	2027.7	2030.7	2033.7	2033.9	2031.2	2028.5	2025.9	2023.2	2022.9
177.5°	2027.1	2029.2	2031.4	2033.5	2035.7	2035.8	2033.9	2032.1	2030.2	2028.3	2028.0
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	17.3	16.2	14.5	13.1	11.0	9.6	8.7	8.5	8.1	8.4	9.2
90°	19.4	17.1	14.7	12.2	9.5	6.9	4.2	1.5	4.2	6.9	9.5
92.5°	19.9	17.9	15.8	15.7	17.6	19.4	21.3	23.2	21.3	19.4	17.6
95°	49.5	62.2	74.9	81.8	82.8	83.8	84.8	85.8	84.8	83.8	82.8
97.5°	124.4	149.5	174.7	186.4	184.6	182.7	180.9	179.1	180.9	182.7	184.6
100°	259.3	257.9	256.6	255.4	254.4	253.4	252.4	251.4	252.4	253.4	254.4
102.5°	332.6	331.8	331.0	329.9	328.7	327.4	326.1	324.9	326.1	327.4	328.7
105°	448.6	448.6	448.6	447.9	446.6	445.3	443.9	442.6	443.9	445.3	446.6
107.5°	566.5	565.8	565.1	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8
110°	646.0	645.3	644.6	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	723.6	723.2	722.8	722.2	721.4	720.6	719.8	719.0	719.8	720.6	721.4
115°	839.3	839.0	838.6	837.6	836.0	834.3	832.6	831.0	832.6	834.3	836.0
117.5°	949.7	948.5	947.2	946.6	946.7	946.7	946.8	946.9	946.8	946.7	946.7
120°	1020.1	1019.1	1018.1	1017.8	1018.1	1018.5	1018.8	1019.1	1018.8	1018.5	1018.1
122.5°	1089.8	1089.4	1088.9	1088.0	1086.8	1085.5	1084.2	1083.0	1084.2	1085.5	1086.8
125°	1192.2	1192.2	1192.2	1191.1	1188.7	1186.4	1184.0	1181.7	1184.0	1186.4	1188.7
127.5°	1283.0	1283.2	1283.4	1282.6	1281.0	1279.3	1277.6	1275.9	1277.6	1279.3	1281.0
130°	1342.1	1341.8	1341.4	1340.4	1338.8	1337.1	1335.4	1333.7	1335.4	1337.1	1338.8
132.5°	1398.4	1399.2	1399.9	1399.3	1397.4	1395.4	1393.5	1391.5	1393.5	1395.4	1397.4
135°	1481.1	1481.8	1482.4	1481.8	1479.8	1477.8	1475.7	1473.7	1475.7	1477.8	1479.8
137.5°	1555.6	1556.2	1556.8	1556.3	1554.5	1552.8	1551.0	1549.3	1551.0	1552.8	1554.5
140°	1600.9	1601.2	1601.5	1601.4	1600.7	1600.0	1599.4	1598.7	1599.4	1600.0	1600.7
142.5°	1646.2	1645.8	1645.3	1644.8	1644.4	1644.0	1643.6	1643.2	1643.6	1644.0	1644.4
145°	1711.6	1711.6	1711.6	1711.3	1710.6	1709.9	1709.2	1708.6	1709.2	1709.9	1710.6
147.5°	1766.2	1765.8	1765.4	1765.2	1765.4	1765.5	1765.6	1765.8	1765.6	1765.5	1765.4
150°	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1801.2	1800.6	1799.9
152.5°	1831.9	1831.2	1830.5	1830.9	1832.4	1833.9	1835.4	1836.8	1835.4	1833.9	1832.4
155°	1874.3	1873.7	1873.0	1873.7	1875.7	1877.7	1879.7	1881.7	1879.7	1877.7	1875.7
157.5°	1911.1	1911.0	1910.9	1911.5	1912.7	1913.9	1915.1	1916.3	1915.1	1913.9	1912.7
160°	1932.2	1931.9	1931.5	1932.4	1934.4	1936.4	1938.4	1940.4	1938.4	1936.4	1934.4
162.5°	1951.5	1951.1	1950.8	1951.6	1953.6	1955.7	1957.7	1959.7	1957.7	1955.7	1953.6
165°	1977.4	1977.0	1976.7	1977.5	1979.5	1981.5	1983.6	1985.6	1983.6	1981.5	1979.5
167.5°	1996.3	1996.0	1995.7	1996.5	1998.6	2000.7	2002.8	2004.8	2002.8	2000.7	1998.6
170°	2006.0	2005.6	2005.3	2006.3	2008.6	2011.0	2013.3	2015.7	2013.3	2011.0	2008.6
172.5°	2013.9	2013.3	2012.7	2013.5	2015.9	2018.2	2020.6	2022.9	2020.6	2018.2	2015.9
175°	2022.5	2022.2	2021.9	2022.7	2024.7	2026.7	2028.7	2030.7	2028.7	2026.7	2024.7
177.5°	2027.8	2027.5	2027.2	2027.9	2029.5	2031.1	2032.7	2034.3	2032.7	2031.1	2029.5
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	10.0	11.1	11.3	12.1	12.6	13.6	13.7	15.2	16.2	17.1	17.1
90°	12.2	14.7	17.1	19.4	21.7	24.1	25.8	27.4	29.1	30.8	32.1
92.5°	15.7	15.8	17.9	19.9	22.0	24.1	25.8	27.4	29.1	30.8	31.8
95°	81.8	74.9	62.2	49.5	36.8	24.1	25.8	27.4	29.1	30.8	31.6
97.5°	186.4	174.7	149.5	124.4	99.2	74.1	64.6	55.2	45.8	36.3	31.6
100°	255.4	256.6	257.9	259.3	260.6	261.9	212.1	162.2	112.4	62.6	37.0
102.5°	329.9	331.0	331.8	332.6	333.4	334.2	324.8	315.3	305.9	296.5	280.4
105°	447.9	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.4
107.5°	564.8	565.1	565.8	566.5	567.2	567.8	567.9	568.0	568.0	568.1	567.6
110°	644.3	644.6	645.3	646.0	646.6	647.3	646.3	645.3	644.3	643.3	643.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	722.2	722.8	723.2	723.6	724.0	724.4	723.1	721.8	720.6	719.3	718.4
115°	837.6	838.6	839.0	839.3	839.7	840.0	838.6	837.3	836.0	834.6	833.0
117.5°	946.6	947.2	948.5	949.7	951.0	952.3	950.5	948.8	947.1	945.3	944.0
120°	1017.8	1018.1	1019.1	1020.1	1021.1	1022.1	1021.5	1020.8	1020.1	1019.5	1018.3
122.5°	1088.0	1088.9	1089.4	1089.8	1090.3	1090.8	1090.1	1089.4	1088.8	1088.1	1086.8
125°	1191.1	1192.2	1192.2	1192.2	1192.2	1192.2	1190.9	1189.6	1188.2	1186.9	1185.7
127.5°	1282.6	1283.4	1283.2	1283.0	1282.8	1282.6	1281.8	1281.1	1280.4	1279.6	1278.0
130°	1340.4	1341.4	1341.8	1342.1	1342.4	1342.8	1341.8	1340.8	1339.8	1338.8	1337.4
132.5°	1399.3	1399.9	1399.2	1398.4	1397.7	1397.0	1396.8	1396.6	1396.4	1396.2	1395.2
135°	1481.8	1482.4	1481.8	1481.1	1480.4	1479.8	1479.1	1478.4	1477.8	1477.1	1475.7
137.5°	1556.3	1556.8	1556.2	1555.6	1555.0	1554.4	1554.6	1554.7	1554.8	1555.0	1554.2
140°	1601.4	1601.5	1601.2	1600.9	1600.5	1600.2	1600.9	1601.5	1602.2	1602.9	1602.2
142.5°	1644.8	1645.3	1645.8	1646.2	1646.7	1647.2	1647.3	1647.4	1647.6	1647.7	1646.8
145°	1711.3	1711.6	1711.6	1711.6	1711.6	1711.6	1711.9	1712.3	1712.6	1712.9	1712.1
147.5°	1765.2	1765.4	1765.8	1766.2	1766.6	1767.0	1767.4	1767.8	1768.2	1768.6	1767.6
150°	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1802.6	1803.2	1803.9	1804.6	1803.6
152.5°	1830.9	1830.5	1831.2	1831.9	1832.6	1833.2	1833.9	1834.6	1835.2	1835.9	1835.0
155°	1873.7	1873.0	1873.7	1874.3	1875.0	1875.7	1876.7	1877.7	1878.7	1879.7	1878.8
157.5°	1911.5	1910.9	1911.0	1911.1	1911.1	1911.2	1912.3	1913.3	1914.4	1915.5	1914.7
160°	1932.4	1931.5	1931.9	1932.2	1932.5	1932.9	1934.2	1935.5	1936.9	1938.2	1937.6
162.5°	1951.6	1950.8	1951.1	1951.5	1951.8	1952.1	1954.0	1955.9	1957.8	1959.6	1959.1
165°	1977.5	1976.7	1977.0	1977.4	1977.7	1978.0	1980.0	1982.0	1984.1	1986.1	1985.7
167.5°	1996.5	1995.7	1996.0	1996.3	1996.7	1997.0	1999.4	2001.8	2004.2	2006.6	2006.3
170°	2006.3	2005.3	2005.6	2006.0	2006.3	2006.6	2009.3	2012.0	2014.7	2017.3	2017.2
172.5°	2013.5	2012.7	2013.3	2013.9	2014.5	2015.1	2017.5	2019.9	2022.3	2024.7	2024.4
175°	2022.7	2021.9	2022.2	2022.5	2022.9	2023.2	2025.9	2028.5	2031.2	2033.9	2033.7
177.5°	2027.9	2027.2	2027.5	2027.8	2028.0	2028.3	2030.2	2032.1	2033.9	2035.8	2035.7
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333394

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	17.9	17.8	18.0	18.8	18.0	17.8	17.9	17.1	17.1	16.2	15.2
90°	33.1	34.1	35.1	36.1	35.1	34.1	33.1	32.1	30.8	29.1	27.4
92.5°	32.3	32.8	33.3	33.7	33.3	32.8	32.3	31.8	30.8	29.1	27.4
95°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	30.8	29.1	27.4
97.5°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	36.3	45.8	55.2
100°	35.6	34.3	33.0	31.6	33.0	34.3	35.6	37.0	62.6	112.4	162.2
102.5°	257.6	234.9	212.1	189.4	212.1	234.9	257.6	280.4	296.5	305.9	315.3
105°	448.1	447.8	447.4	447.1	447.4	447.8	448.1	448.4	448.6	448.6	448.6
107.5°	566.6	565.6	564.6	563.6	564.6	565.6	566.6	567.6	568.1	568.0	568.0
110°	643.3	643.6	644.0	644.3	644.0	643.6	643.3	643.0	643.3	644.3	645.3



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	718.0	717.5	717.0	716.5	717.0	717.5	718.0	718.4	719.3	720.6	721.8
115°	831.0	828.9	826.9	824.9	826.9	828.9	831.0	833.0	834.6	836.0	837.3
117.5°	943.2	942.3	941.4	940.5	941.4	942.3	943.2	944.0	945.3	947.1	948.8
120°	1016.6	1014.9	1013.3	1011.6	1013.3	1014.9	1016.6	1018.3	1019.5	1020.1	1020.8
122.5°	1084.9	1082.9	1081.0	1079.0	1081.0	1082.9	1084.9	1086.8	1088.1	1088.8	1089.4
125°	1184.7	1183.7	1182.7	1181.7	1182.7	1183.7	1184.7	1185.7	1186.9	1188.2	1189.6
127.5°	1275.5	1273.1	1270.6	1268.1	1270.6	1273.1	1275.5	1278.0	1279.6	1280.4	1281.1
130°	1335.8	1334.1	1332.4	1330.7	1332.4	1334.1	1335.8	1337.4	1338.8	1339.8	1340.8
132.5°	1393.6	1391.9	1390.2	1388.5	1390.2	1391.9	1393.6	1395.2	1396.2	1396.4	1396.6
135°	1473.7	1471.7	1469.7	1467.7	1469.7	1471.7	1473.7	1475.7	1477.1	1477.8	1478.4
137.5°	1552.4	1550.7	1548.9	1547.2	1548.9	1550.7	1552.4	1554.2	1555.0	1554.8	1554.7
140°	1600.2	1598.2	1596.2	1594.2	1596.2	1598.2	1600.2	1602.2	1602.9	1602.2	1601.5
142.5°	1644.7	1642.7	1640.7	1638.7	1640.7	1642.7	1644.7	1646.8	1647.7	1647.6	1647.4
145°	1710.1	1708.1	1706.1	1704.1	1706.1	1708.1	1710.1	1712.1	1712.9	1712.6	1712.3
147.5°	1765.2	1762.8	1760.4	1758.0	1760.4	1762.8	1765.2	1767.6	1768.6	1768.2	1767.8
150°	1800.9	1798.2	1795.6	1792.9	1795.6	1798.2	1800.9	1803.6	1804.6	1803.9	1803.2
152.5°	1832.6	1830.2	1827.8	1825.4	1827.8	1830.2	1832.6	1835.0	1835.9	1835.2	1834.6
155°	1876.2	1873.5	1870.8	1868.1	1870.8	1873.5	1876.2	1878.8	1879.7	1878.7	1877.7
157.5°	1912.0	1909.3	1906.6	1904.0	1906.6	1909.3	1912.0	1914.7	1915.5	1914.4	1913.3
160°	1934.9	1932.2	1929.5	1926.9	1929.5	1932.2	1934.9	1937.6	1938.2	1936.9	1935.5
162.5°	1956.2	1953.2	1950.3	1947.3	1950.3	1953.2	1956.2	1959.1	1959.6	1957.8	1955.9
165°	1983.1	1980.4	1977.7	1975.0	1977.7	1980.4	1983.1	1985.7	1986.1	1984.1	1982.0
167.5°	2003.3	2000.3	1997.3	1994.3	1997.3	2000.3	2003.3	2006.3	2006.6	2004.2	2001.8
170°	2014.2	2011.2	2008.1	2005.1	2008.1	2011.2	2014.2	2017.2	2017.3	2014.7	2012.0
172.5°	2021.4	2018.4	2015.4	2012.4	2015.4	2018.4	2021.4	2024.4	2024.7	2022.3	2019.9
175°	2030.7	2027.7	2024.7	2021.7	2024.7	2027.7	2030.7	2033.7	2033.9	2031.2	2028.5
177.5°	2033.5	2031.4	2029.2	2027.1	2029.2	2031.4	2033.5	2035.7	2035.8	2033.9	2032.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	13.7	13.6	12.6	12.1	11.3	11.1	10.0	9.2	8.4	8.1	8.5
90°	25.8	24.1	21.7	19.4	17.1	14.7	12.2	9.5	6.9	4.2	1.5
92.5°	25.8	24.1	22.0	19.9	17.9	15.8	15.7	17.6	19.4	21.3	23.2
95°	25.8	24.1	36.8	49.5	62.2	74.9	81.8	82.8	83.8	84.8	85.8
97.5°	64.6	74.1	99.2	124.4	149.5	174.7	186.4	184.6	182.7	180.9	179.1
100°	212.1	261.9	260.6	259.3	257.9	256.6	255.4	254.4	253.4	252.4	251.4
102.5°	324.8	334.2	333.4	332.6	331.8	331.0	329.9	328.7	327.4	326.1	324.9
105°	448.6	448.6	448.6	448.6	448.6	448.6	447.9	446.6	445.3	443.9	442.6
107.5°	567.9	567.8	567.2	566.5	565.8	565.1	564.8	564.8	564.8	564.8	564.8
110°	646.3	647.3	646.6	646.0	645.3	644.6	644.3	644.3	644.3	644.3	644.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	723.1	724.4	724.0	723.6	723.2	722.8	722.2	721.4	720.6	719.8	719.0
115°	838.6	840.0	839.7	839.3	839.0	838.6	837.6	836.0	834.3	832.6	831.0
117.5°	950.5	952.3	951.0	949.7	948.5	947.2	946.6	946.7	946.7	946.8	946.9
120°	1021.5	1022.1	1021.1	1020.1	1019.1	1018.1	1017.8	1018.1	1018.5	1018.8	1019.1
122.5°	1090.1	1090.8	1090.3	1089.8	1089.4	1088.9	1088.0	1086.8	1085.5	1084.2	1083.0
125°	1190.9	1192.2	1192.2	1192.2	1192.2	1192.2	1191.1	1188.7	1186.4	1184.0	1181.7
127.5°	1281.8	1282.6	1282.8	1283.0	1283.2	1283.4	1282.6	1281.0	1279.3	1277.6	1275.9
130°	1341.8	1342.8	1342.4	1342.1	1341.8	1341.4	1340.4	1338.8	1337.1	1335.4	1333.7
132.5°	1396.8	1397.0	1397.7	1398.4	1399.2	1399.9	1399.3	1397.4	1395.4	1393.5	1391.5
135°	1479.1	1479.8	1480.4	1481.1	1481.8	1482.4	1481.8	1479.8	1477.8	1475.7	1473.7
137.5°	1554.6	1554.4	1555.0	1555.6	1556.2	1556.8	1556.3	1554.5	1552.8	1551.0	1549.3
140°	1600.9	1600.2	1600.5	1600.9	1601.2	1601.5	1601.4	1600.7	1600.0	1599.4	1598.7
142.5°	1647.3	1647.2	1646.7	1646.2	1645.8	1645.3	1644.8	1644.4	1644.0	1643.6	1643.2
145°	1711.9	1711.6	1711.6	1711.6	1711.6	1711.6	1711.3	1710.6	1709.9	1709.2	1708.6
147.5°	1767.4	1767.0	1766.6	1766.2	1765.8	1765.4	1765.2	1765.4	1765.5	1765.6	1765.8
150°	1802.6	1801.9	1801.2	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9
152.5°	1833.9	1833.2	1832.6	1831.9	1831.2	1830.5	1830.9	1832.4	1833.9	1835.4	1836.8
155°	1876.7	1875.7	1875.0	1874.3	1873.7	1873.0	1873.7	1875.7	1877.7	1879.7	1881.7
157.5°	1912.3	1911.2	1911.1	1911.1	1911.0	1910.9	1911.5	1912.7	1913.9	1915.1	1916.3
160°	1934.2	1932.9	1932.5	1932.2	1931.9	1931.5	1932.4	1934.4	1936.4	1938.4	1940.4
162.5°	1954.0	1952.1	1951.8	1951.5	1951.1	1950.8	1951.6	1953.6	1955.7	1957.7	1959.7
165°	1980.0	1978.0	1977.7	1977.4	1977.0	1976.7	1977.5	1979.5	1981.5	1983.6	1985.6
167.5°	1999.4	1997.0	1996.7	1996.3	1996.0	1995.7	1996.5	1998.6	2000.7	2002.8	2004.8
170°	2009.3	2006.6	2006.3	2006.0	2005.6	2005.3	2006.3	2008.6	2011.0	2013.3	2015.7
172.5°	2017.5	2015.1	2014.5	2013.9	2013.3	2012.7	2013.5	2015.9	2018.2	2020.6	2022.9
175°	2025.9	2023.2	2022.9	2022.5	2022.2	2021.9	2022.7	2024.7	2026.7	2028.7	2030.7
177.5°	2030.2	2028.3	2028.0	2027.8	2027.5	2027.2	2027.9	2029.5	2031.1	2032.7	2034.3
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.7	9.6	11.0	13.1	14.5	16.2	17.3	17.1	16.4	15.8	15.2
90°	4.2	6.9	9.5	12.2	14.7	17.1	19.4	21.7	24.1	25.8	27.4
92.5°	21.3	19.4	17.6	15.7	15.8	17.9	19.9	22.0	24.1	25.8	27.4
95°	84.8	83.8	82.8	81.8	74.9	62.2	49.5	36.8	24.1	25.8	27.4
97.5°	180.9	182.7	184.6	186.4	174.7	149.5	124.4	99.2	74.1	64.6	55.2
100°	252.4	253.4	254.4	255.4	256.6	257.9	259.3	260.6	261.9	212.1	162.2
102.5°	326.1	327.4	328.7	329.9	331.0	331.8	332.6	333.4	334.2	324.8	315.3
105°	443.9	445.3	446.6	447.9	448.6	448.6	448.6	448.6	448.6	448.6	448.6
107.5°	564.8	564.8	564.8	564.8	565.1	565.8	566.5	567.2	567.8	567.9	568.0
110°	644.3	644.3	644.3	644.3	644.6	645.3	646.0	646.6	647.3	646.3	645.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	719.8	720.6	721.4	722.2	722.8	723.2	723.6	724.0	724.4	723.1	721.8
115°	832.6	834.3	836.0	837.6	838.6	839.0	839.3	839.7	840.0	838.6	837.3
117.5°	946.8	946.7	946.7	946.6	947.2	948.5	949.7	951.0	952.3	950.5	948.8
120°	1018.8	1018.5	1018.1	1017.8	1018.1	1019.1	1020.1	1021.1	1022.1	1021.5	1020.8
122.5°	1084.2	1085.5	1086.8	1088.0	1088.9	1089.4	1089.8	1090.3	1090.8	1090.1	1089.4
125°	1184.0	1186.4	1188.7	1191.1	1192.2	1192.2	1192.2	1192.2	1192.2	1190.9	1189.6
127.5°	1277.6	1279.3	1281.0	1282.6	1283.4	1283.2	1283.0	1282.8	1282.6	1281.8	1281.1
130°	1335.4	1337.1	1338.8	1340.4	1341.4	1341.8	1342.1	1342.4	1342.8	1341.8	1340.8
132.5°	1393.5	1395.4	1397.4	1399.3	1399.9	1399.2	1398.4	1397.7	1397.0	1396.8	1396.6
135°	1475.7	1477.8	1479.8	1481.8	1482.4	1481.8	1481.1	1480.4	1479.8	1479.1	1478.4
137.5°	1551.0	1552.8	1554.5	1556.3	1556.8	1556.2	1555.6	1555.0	1554.4	1554.6	1554.7
140°	1599.4	1600.0	1600.7	1601.4	1601.5	1601.2	1600.9	1600.5	1600.2	1600.9	1601.5
142.5°	1643.6	1644.0	1644.4	1644.8	1645.3	1645.8	1646.2	1646.7	1647.2	1647.3	1647.4
145°	1709.2	1709.9	1710.6	1711.3	1711.6	1711.6	1711.6	1711.6	1711.6	1711.9	1712.3
147.5°	1765.6	1765.5	1765.4	1765.2	1765.4	1765.8	1766.2	1766.6	1767.0	1767.4	1767.8
150°	1801.2	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1802.6	1803.2
152.5°	1835.4	1833.9	1832.4	1830.9	1830.5	1831.2	1831.9	1832.6	1833.2	1833.9	1834.6
155°	1879.7	1877.7	1875.7	1873.7	1873.0	1873.7	1874.3	1875.0	1875.7	1876.7	1877.7
157.5°	1915.1	1913.9	1912.7	1911.5	1910.9	1911.0	1911.1	1911.1	1911.2	1912.3	1913.3
160°	1938.4	1936.4	1934.4	1932.4	1931.5	1931.9	1932.2	1932.5	1932.9	1934.2	1935.5
162.5°	1957.7	1955.7	1953.6	1951.6	1950.8	1951.1	1951.5	1951.8	1952.1	1954.0	1955.9
165°	1983.6	1981.5	1979.5	1977.5	1976.7	1977.0	1977.4	1977.7	1978.0	1980.0	1982.0
167.5°	2002.8	2000.7	1998.6	1996.5	1995.7	1996.0	1996.3	1996.7	1997.0	1999.4	2001.8
170°	2013.3	2011.0	2008.6	2006.3	2005.3	2005.6	2006.0	2006.3	2006.6	2009.3	2012.0
172.5°	2020.6	2018.2	2015.9	2013.5	2012.7	2013.3	2013.9	2014.5	2015.1	2017.5	2019.9
175°	2028.7	2026.7	2024.7	2022.7	2021.9	2022.2	2022.5	2022.9	2023.2	2025.9	2028.5
177.5°	2032.7	2031.1	2029.5	2027.9	2027.2	2027.5	2027.8	2028.0	2028.3	2030.2	2032.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	15.5	14.7	14.9	14.8	15.0	14.9	14.5
90°	29.1	30.8	32.1	33.1	34.1	35.1	36.1
92.5°	29.1	30.8	31.8	32.3	32.8	33.3	33.7
95°	29.1	30.8	31.6	31.6	31.6	31.6	31.6
97.5°	45.8	36.3	31.6	31.6	31.6	31.6	31.6
100°	112.4	62.6	37.0	35.6	34.3	33.0	31.6
102.5°	305.9	296.5	280.4	257.6	234.9	212.1	189.4
105°	448.6	448.6	448.4	448.1	447.8	447.4	447.1
107.5°	568.0	568.1	567.6	566.6	565.6	564.6	563.6
110°	644.3	643.3	643.0	643.3	643.6	644.0	644.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	720.6	719.3	718.4	718.0	717.5	717.0	716.5
115°	836.0	834.6	833.0	831.0	828.9	826.9	824.9
117.5°	947.1	945.3	944.0	943.2	942.3	941.4	940.5
120°	1020.1	1019.5	1018.3	1016.6	1014.9	1013.3	1011.6
122.5°	1088.8	1088.1	1086.8	1084.9	1082.9	1081.0	1079.0
125°	1188.2	1186.9	1185.7	1184.7	1183.7	1182.7	1181.7
127.5°	1280.4	1279.6	1278.0	1275.5	1273.1	1270.6	1268.1
130°	1339.8	1338.8	1337.4	1335.8	1334.1	1332.4	1330.7
132.5°	1396.4	1396.2	1395.2	1393.6	1391.9	1390.2	1388.5
135°	1477.8	1477.1	1475.7	1473.7	1471.7	1469.7	1467.7
137.5°	1554.8	1555.0	1554.2	1552.4	1550.7	1548.9	1547.2
140°	1602.2	1602.9	1602.2	1600.2	1598.2	1596.2	1594.2
142.5°	1647.6	1647.7	1646.8	1644.7	1642.7	1640.7	1638.7
145°	1712.6	1712.9	1712.1	1710.1	1708.1	1706.1	1704.1
147.5°	1768.2	1768.6	1767.6	1765.2	1762.8	1760.4	1758.0
150°	1803.9	1804.6	1803.6	1800.9	1798.2	1795.6	1792.9
152.5°	1835.2	1835.9	1835.0	1832.6	1830.2	1827.8	1825.4
155°	1878.7	1879.7	1878.8	1876.2	1873.5	1870.8	1868.1
157.5°	1914.4	1915.5	1914.7	1912.0	1909.3	1906.6	1904.0
160°	1936.9	1938.2	1937.6	1934.9	1932.2	1929.5	1926.9
162.5°	1957.8	1959.6	1959.1	1956.2	1953.2	1950.3	1947.3
165°	1984.1	1986.1	1985.7	1983.1	1980.4	1977.7	1975.0
167.5°	2004.2	2006.6	2006.3	2003.3	2000.3	1997.3	1994.3
170°	2014.7	2017.3	2017.2	2014.2	2011.2	2008.1	2005.1
172.5°	2022.3	2024.7	2024.4	2021.4	2018.4	2015.4	2012.4
175°	2031.2	2033.9	2033.7	2030.7	2027.7	2024.7	2021.7
177.5°	2033.9	2035.8	2035.7	2033.5	2031.4	2029.2	2027.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7

(END OF REPORT)