

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: P332793-935

Luminaire Tested: **S124DIW-S795D1340U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332793-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S795D1340U935-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7672.8 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

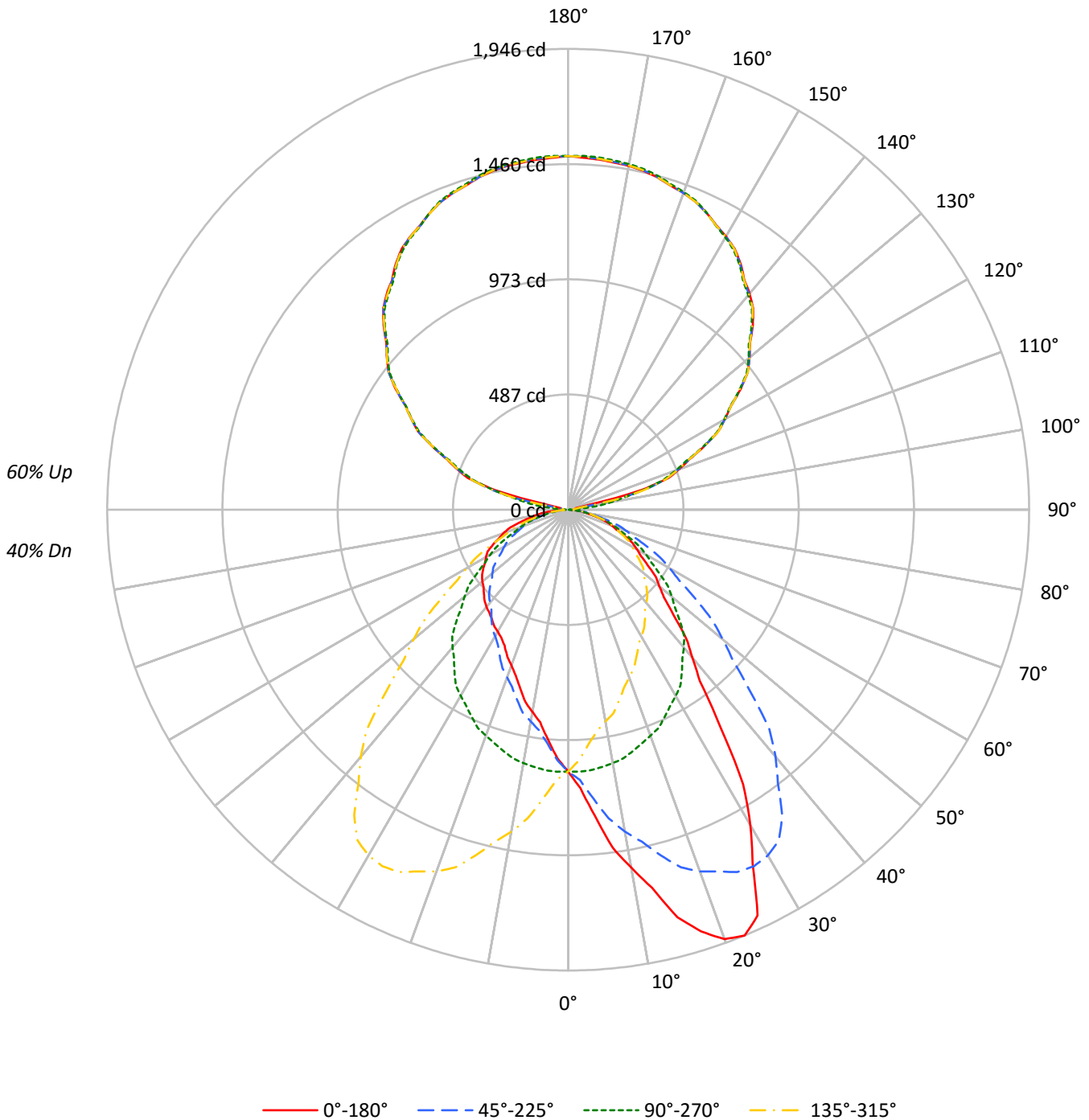
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																												
1	96	91	88	84	87	83	80	77	68	66	64	54	53	52	42	41	40	34																												
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	29																												
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24																												
4	73	62	55	49	66	57	51	45	47	42	38	38	34	32	29	27	25	21																												
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18																												
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16																												
7	57	45	37	32	52	41	35	30	35	29	25	28	24	21	22	19	17	14																												
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13																												
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																												
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13	11																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8924	8924	8924	8924
5°	10509	8947	7897	8947
10°	12582	8908	7110	8908
15°	14888	8818	6529	8818
20°	16578	8725	6010	8725
25°	16846	8590	5653	8590
30°	14334	8460	5540	8460
35°	11020	8250	5542	8250
40°	8590	8001	5647	8001
45°	7162	7628	5740	7628
50°	6303	7171	5936	7171
55°	5775	6625	6175	6625
60°	5412	6135	6462	6135
65°	5037	5589	6701	5589
70°	4605	5049	6852	5049
75°	4114	4442	6772	4442
80°	3450	3640	6555	3640
85°	2547	2631	6280	2631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.4
10°-20°	331.9	4.3
20°-30°	526.4	6.9
30°-40°	585.8	7.6
40°-50°	533.2	6.9
50°-60°	435.7	5.7
60°-70°	311.1	4.1
70°-80°	171.3	2.2
80°-90°	51.1	0.7
90°-100°	51.1	0.7
100°-110°	325.6	4.2
110°-120°	622.9	8.1
120°-130°	790.7	10.3
130°-140°	846.0	11.0
140°-150°	791.1	10.3
150°-160°	638.0	8.3
160°-170°	411.5	5.4
170°-180°	141.8	1.8
0°-30°	966.0	12.6
0°-40°	1551.8	20.2
0°-60°	2520.7	32.9
0°-90°	3054.1	39.8
90°-120°	999.5	13.0
90°-150°	3427.4	44.7
90°-180°	4619.0	60.2
0°-180°	7672.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1105	1105	1105	1105	1105	
5°	1297	1104	974	1104	1297	132
15°	1781	1055	781	1055	1781	503
25°	1891	964	635	964	1891	834
35°	1118	837	562	837	1118	710
45°	627	668	503	668	627	494
55°	410	471	439	471	410	371
65°	264	293	351	293	264	261
75°	132	142	217	142	132	140
85°	28	28	68	28	28	34
90°	34	3	34	3	34	15
95°	32	61	32	61	32	26
105°	318	336	318	336	318	278
115°	632	628	632	628	632	626
125°	889	882	889	882	889	792
135°	1102	1094	1102	1094	1102	848
145°	1269	1262	1269	1262	1269	793
155°	1383	1384	1383	1384	1383	638
165°	1453	1460	1453	1460	1453	410
175°	1484	1493	1484	1493	1484	141
180°	1493	1493	1493	1493	1493	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1176.5	1176.1	1172.4	1171.7	1169.2	1165.9	1165.1	1159.3	1147.5	1142.0	1140.6
5°	1296.8	1306.0	1294.1	1291.8	1290.4	1275.3	1267.5	1258.4	1237.3	1224.9	1215.3
7.5°	1440.5	1441.5	1436.3	1432.1	1420.5	1407.2	1387.5	1366.4	1341.4	1315.2	1295.5
10°	1534.9	1538.6	1532.7	1531.7	1508.4	1493.7	1464.4	1439.7	1411.3	1379.7	1350.8
12.5°	1634.6	1629.4	1626.4	1606.8	1602.5	1575.8	1541.7	1516.2	1472.5	1436.1	1397.7
15°	1781.3	1771.2	1764.8	1737.8	1724.5	1687.4	1651.2	1623.3	1566.1	1511.6	1470.3
17.5°	1867.3	1877.4	1862.6	1851.5	1817.1	1791.1	1754.2	1695.6	1650.8	1583.1	1531.1
20°	1929.7	1930.5	1922.4	1910.9	1883.9	1850.9	1810.6	1746.5	1692.9	1625.6	1554.2
22.5°	1946.5	1946.7	1943.2	1932.5	1912.0	1885.3	1844.7	1791.1	1726.2	1653.0	1581.7
25°	1891.2	1889.4	1893.5	1905.4	1897.6	1889.4	1866.0	1826.2	1765.7	1688.3	1611.4
27.5°	1685.7	1698.3	1721.6	1750.8	1779.1	1800.6	1806.6	1798.5	1761.0	1697.4	1616.8
30°	1537.7	1553.2	1570.6	1599.9	1656.7	1689.3	1724.9	1752.0	1736.9	1686.0	1610.9
32.5°	1375.0	1378.9	1404.7	1438.0	1490.0	1552.6	1609.2	1664.1	1682.3	1655.6	1593.0
35°	1118.2	1124.6	1152.5	1185.5	1249.2	1325.7	1410.8	1486.9	1549.5	1574.8	1542.7
37.5°	912.5	930.9	950.6	986.1	1042.2	1110.9	1199.5	1297.8	1391.3	1454.0	1464.6
40°	815.1	826.6	840.8	867.7	915.3	983.2	1059.1	1171.8	1271.2	1360.9	1390.3
42.5°	738.1	744.9	753.5	778.0	814.2	881.7	951.1	1050.2	1150.0	1257.2	1306.3
45°	627.3	634.2	648.8	663.1	690.5	737.3	801.8	883.3	983.6	1087.1	1177.8
47.5°	547.3	551.7	560.4	575.6	598.9	629.7	682.3	750.4	843.3	943.7	1040.3
50°	501.9	505.5	512.4	526.2	544.0	571.4	614.5	678.2	751.0	852.2	946.9
52.5°	466.0	467.4	472.5	481.8	496.0	519.1	554.4	607.1	674.8	765.0	859.5
55°	410.3	412.2	416.7	423.6	435.9	450.6	477.6	516.9	576.1	654.4	736.3
57.5°	364.5	365.8	369.6	372.3	382.5	394.3	415.2	443.2	488.0	554.4	627.6
60°	335.2	334.2	338.9	341.1	348.0	358.1	374.1	401.1	440.1	493.6	560.9
62.5°	306.6	305.3	309.2	312.2	316.2	324.8	337.9	359.0	390.6	439.0	497.2
65°	263.7	261.9	264.2	267.9	271.6	276.1	285.8	304.5	329.7	364.5	408.9
67.5°	220.7	222.7	223.0	224.8	227.0	233.2	239.8	253.0	270.8	298.7	336.3
70°	195.1	195.5	197.3	197.3	198.7	204.2	209.7	217.5	234.9	260.5	291.2
72.5°	169.4	171.3	170.7	172.1	173.1	176.8	180.8	188.2	203.0	222.1	248.0
75°	131.9	133.3	133.3	133.7	135.1	136.5	139.7	145.2	155.7	169.9	187.8
77.5°	96.2	96.3	96.9	98.7	98.7	100.8	103.2	107.6	112.8	122.5	133.5
80°	74.2	75.1	74.6	75.6	75.6	77.4	78.3	83.8	86.1	92.5	101.2
82.5°	54.4	55.3	55.2	56.5	57.3	57.6	58.9	61.0	63.4	69.1	72.6
85°	27.5	28.4	27.5	28.4	29.8	30.2	31.6	32.0	33.9	35.3	38.5
87.5°	14.7	15.8	15.7	15.9	16.5	16.7	16.8	16.1	17.3	17.4	18.4
90°	33.5	33.0	32.5	32.0	31.5	30.6	29.0	27.6	26.1	24.5	22.6
92.5°	30.8	30.7	30.7	30.6	30.4	29.6	28.2	26.7	25.1	23.7	21.7
95°	32.4	32.1	31.9	31.6	31.4	30.6	29.0	27.6	26.1	24.5	24.3
97.5°	31.3	31.0	30.7	30.6	30.3	30.0	30.0	29.8	29.6	29.4	57.2
100°	31.3	31.0	30.7	30.6	30.3	32.3	36.5	40.7	44.9	49.2	83.3
102.5°	32.2	32.1	32.0	32.0	31.9	54.7	100.2	145.8	191.2	236.8	241.3
105°	318.3	327.2	336.1	345.1	354.0	357.4	355.2	352.9	350.7	348.4	347.2
107.5°	443.6	442.6	441.7	440.7	439.8	438.8	437.7	436.6	435.5	434.5	432.7
110°	498.1	497.3	496.6	495.8	495.1	494.5	494.0	493.5	493.0	492.5	491.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	552.6	551.6	550.7	549.7	548.8	548.4	548.5	548.5	548.7	548.8	548.1
115°	632.1	632.1	632.1	632.1	632.1	631.8	631.4	630.9	630.3	629.8	630.1
117.5°	712.9	713.1	713.2	713.3	713.3	713.4	713.5	713.6	713.8	713.9	713.3
120°	763.9	764.4	764.8	765.3	765.9	765.9	765.3	764.8	764.4	763.9	764.1
122.5°	813.9	814.4	814.9	815.4	815.9	816.0	815.7	815.4	815.1	814.8	814.4
125°	889.0	888.7	888.5	888.2	887.9	887.4	886.7	886.0	885.2	884.5	884.9
127.5°	954.8	955.0	955.2	955.5	955.6	955.8	956.0	956.1	956.2	956.4	955.3
130°	999.5	999.5	999.5	999.5	999.5	999.4	999.1	998.8	998.7	998.4	997.6
132.5°	1040.6	1040.8	1041.0	1041.2	1041.4	1041.4	1041.1	1040.9	1040.6	1040.3	1039.4
135°	1102.3	1101.7	1101.2	1100.8	1100.3	1099.8	1099.2	1098.8	1098.3	1097.8	1096.8
137.5°	1154.9	1155.1	1155.3	1155.4	1155.5	1155.4	1154.8	1154.3	1153.7	1153.1	1152.1
140°	1191.6	1191.4	1191.1	1190.8	1190.6	1190.1	1189.4	1188.6	1187.8	1187.1	1186.6
142.5°	1221.9	1221.9	1221.8	1221.8	1221.8	1221.5	1220.9	1220.4	1219.9	1219.3	1219.0
145°	1268.7	1268.2	1267.7	1267.1	1266.7	1266.3	1266.0	1265.8	1265.6	1265.3	1265.3
147.5°	1307.3	1307.0	1306.8	1306.6	1306.3	1306.1	1305.9	1305.7	1305.4	1305.3	1305.5
150°	1332.3	1332.1	1331.8	1331.5	1331.3	1331.2	1331.2	1331.2	1331.2	1331.2	1331.5
152.5°	1353.8	1353.9	1354.0	1354.2	1354.4	1354.2	1353.8	1353.4	1353.1	1352.6	1353.1
155°	1382.6	1383.3	1384.1	1384.8	1385.5	1385.4	1384.4	1383.5	1382.4	1381.5	1382.2
157.5°	1406.7	1408.0	1409.3	1410.6	1411.9	1411.9	1410.6	1409.3	1408.0	1406.7	1407.6
160°	1422.8	1424.3	1425.7	1427.2	1428.7	1428.7	1427.2	1425.7	1424.3	1422.8	1423.0
162.5°	1435.3	1436.9	1438.6	1440.4	1442.0	1442.1	1440.6	1439.2	1437.6	1436.1	1436.4
165°	1452.9	1455.2	1457.4	1459.7	1461.8	1462.0	1460.0	1458.0	1456.0	1454.1	1454.1
167.5°	1466.1	1468.6	1471.0	1473.5	1476.0	1476.2	1473.9	1471.8	1469.6	1467.4	1467.6
170°	1474.1	1476.6	1479.1	1481.6	1484.0	1484.3	1482.3	1480.3	1478.3	1476.4	1476.1
172.5°	1478.6	1481.3	1483.9	1486.6	1489.4	1489.7	1487.7	1485.7	1483.7	1481.7	1481.4
175°	1484.2	1487.1	1490.1	1493.1	1496.1	1496.5	1494.3	1492.0	1489.8	1487.5	1487.3
177.5°	1487.7	1490.1	1492.5	1494.9	1497.3	1497.7	1496.1	1494.5	1492.9	1491.3	1490.9
180°	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1140.9	1135.8	1132.1	1129.2	1121.2	1116.4	1112.8	1107.6	1101.7	1095.5	1087.8
5°	1205.7	1190.1	1178.7	1161.2	1144.8	1131.0	1116.9	1104.1	1088.5	1071.5	1059.1
7.5°	1273.8	1250.6	1220.9	1195.2	1166.2	1141.0	1118.5	1095.5	1071.4	1048.2	1026.8
10°	1317.0	1287.2	1254.2	1215.3	1178.7	1146.2	1115.9	1086.7	1058.3	1029.8	1005.6
12.5°	1363.5	1326.4	1277.6	1232.2	1191.1	1147.6	1111.2	1075.3	1041.0	1011.2	982.8
15°	1425.9	1372.3	1316.0	1255.2	1201.1	1150.3	1100.4	1055.1	1016.6	977.1	949.7
17.5°	1464.3	1398.0	1333.6	1270.0	1204.6	1140.5	1086.7	1034.3	986.2	947.0	912.4
20°	1489.6	1423.7	1343.5	1279.9	1202.0	1136.1	1073.8	1015.6	965.3	923.6	887.9
22.5°	1511.6	1435.4	1355.2	1271.4	1193.9	1124.0	1055.8	997.3	945.9	902.0	867.7
25°	1523.5	1436.0	1349.0	1265.7	1177.8	1094.8	1033.0	964.4	909.4	863.2	826.6
27.5°	1524.7	1431.2	1332.8	1240.2	1149.4	1072.3	994.2	932.9	875.8	826.9	791.7
30°	1520.7	1423.2	1317.4	1217.1	1126.0	1042.2	974.5	907.6	849.5	800.9	764.2
32.5°	1507.9	1406.4	1297.6	1191.5	1097.1	1015.1	945.1	881.6	824.9	777.1	738.7
35°	1470.8	1370.5	1254.6	1144.4	1047.7	964.8	901.6	837.1	780.3	734.9	697.8
37.5°	1412.8	1322.2	1204.4	1090.2	995.3	912.1	849.5	791.1	739.9	693.8	655.8
40°	1362.3	1282.6	1164.5	1053.2	950.6	871.4	812.8	759.2	708.4	664.9	628.7
42.5°	1304.1	1234.6	1125.7	1007.8	908.9	829.3	772.1	724.0	676.1	635.9	599.8
45°	1200.1	1154.4	1051.8	942.9	839.8	764.7	710.2	668.1	627.8	588.4	558.2
47.5°	1080.7	1058.1	971.7	868.2	770.4	696.4	649.1	610.2	574.9	541.6	514.9
50°	1000.6	989.5	914.9	815.1	721.7	652.0	604.4	571.0	540.8	511.5	486.3
52.5°	921.4	921.0	853.8	762.3	675.9	608.8	561.5	530.4	504.2	480.4	457.7
55°	800.5	813.2	760.6	679.1	601.7	541.2	498.7	470.7	452.5	432.7	415.8
57.5°	689.3	710.6	667.2	595.4	530.8	475.1	438.1	417.1	397.5	385.6	373.3
60°	616.8	637.0	603.0	542.6	481.7	434.1	398.8	380.0	363.1	354.9	346.2
62.5°	552.3	570.3	545.2	489.1	436.3	390.5	360.8	342.7	331.2	322.3	316.5
65°	460.2	475.3	453.8	413.0	367.7	331.1	306.8	292.6	281.6	277.9	271.6
67.5°	372.0	385.7	374.1	339.5	303.2	275.3	256.4	242.8	236.3	233.1	228.5
70°	319.6	333.4	321.0	290.8	262.9	239.5	221.6	213.9	207.0	205.6	199.1
72.5°	275.3	284.6	272.2	248.7	224.7	205.1	191.2	183.0	179.5	177.0	173.6
75°	206.6	214.7	206.6	188.2	171.3	157.6	145.6	142.4	138.3	136.9	134.7
77.5°	146.2	153.3	147.0	135.5	122.9	112.3	105.9	101.8	100.8	98.4	99.5
80°	111.8	116.3	110.4	102.5	92.5	85.2	80.6	78.3	75.6	74.6	76.5
82.5°	80.2	82.2	79.2	74.0	66.5	61.7	58.6	56.0	55.4	55.6	55.6
85°	41.7	41.2	40.7	36.2	33.9	30.7	28.8	28.4	27.9	28.8	29.8
87.5°	18.1	18.0	17.2	15.3	13.7	12.1	11.1	10.2	11.1	12.1	12.9
90°	20.6	18.6	16.6	14.3	11.5	8.8	6.1	3.4	6.1	8.8	11.5
92.5°	19.7	17.7	15.8	14.6	14.6	14.4	14.2	14.0	14.2	14.4	14.6
95°	24.1	23.8	23.6	27.6	36.1	44.5	53.0	61.4	53.0	44.5	36.1
97.5°	84.9	112.5	140.3	151.4	146.2	140.9	135.7	130.4	135.7	140.9	146.2
100°	117.6	151.9	186.1	201.0	196.6	192.1	187.6	183.1	187.6	192.1	196.6
102.5°	245.7	250.1	254.6	255.2	251.9	248.7	245.4	242.1	245.4	248.7	251.9
105°	345.9	344.7	343.5	342.1	340.6	339.1	337.6	336.1	337.6	339.1	340.6
107.5°	431.0	429.4	427.7	426.5	425.7	425.0	424.2	423.4	424.2	425.0	425.7
110°	489.5	488.0	486.6	485.4	484.7	484.0	483.2	482.4	483.2	484.0	484.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	547.4	546.7	546.0	545.0	543.6	542.3	541.0	539.6	541.0	542.3	543.6
115°	630.3	630.6	630.9	630.6	629.8	629.1	628.4	627.6	628.4	629.1	629.8
117.5°	712.7	712.2	711.6	710.8	709.9	708.9	707.9	706.9	707.9	708.9	709.9
120°	764.4	764.7	764.8	764.5	763.5	762.5	761.5	760.5	761.5	762.5	763.5
122.5°	814.1	813.7	813.4	813.0	812.4	811.8	811.1	810.5	811.1	811.8	812.4
125°	885.5	886.0	886.5	886.2	885.2	884.2	883.2	882.3	883.2	884.2	885.2
127.5°	954.1	953.0	951.8	951.1	950.9	950.6	950.4	950.1	950.4	950.6	950.9
130°	996.9	996.2	995.4	994.9	994.6	994.5	994.2	993.9	994.2	994.5	994.6
132.5°	1038.5	1037.6	1036.6	1035.9	1035.4	1035.0	1034.6	1034.1	1034.6	1035.0	1035.4
135°	1095.8	1094.8	1093.8	1093.5	1093.7	1093.9	1094.2	1094.4	1094.2	1093.9	1093.7
137.5°	1151.0	1149.9	1148.8	1148.2	1148.1	1148.0	1147.9	1147.8	1147.9	1148.0	1148.1
140°	1186.1	1185.6	1185.2	1184.6	1184.1	1183.6	1183.2	1182.7	1183.2	1183.6	1184.1
142.5°	1218.7	1218.4	1218.1	1217.5	1216.6	1215.7	1214.8	1213.9	1214.8	1215.7	1216.6
145°	1265.3	1265.3	1265.3	1264.9	1264.2	1263.4	1262.7	1262.0	1262.7	1263.4	1264.2
147.5°	1305.8	1306.1	1306.3	1305.7	1304.3	1303.0	1301.5	1300.1	1301.5	1303.0	1304.3
150°	1331.7	1332.0	1332.1	1331.8	1330.8	1329.8	1328.9	1327.8	1328.9	1329.8	1330.8
152.5°	1353.5	1354.0	1354.4	1354.3	1353.4	1352.6	1351.9	1351.1	1351.9	1352.6	1353.4
155°	1382.9	1383.7	1384.4	1384.7	1384.4	1384.1	1383.9	1383.7	1383.9	1384.1	1384.4
157.5°	1408.3	1409.2	1410.1	1410.6	1410.7	1410.8	1411.0	1411.2	1411.0	1410.8	1410.7
160°	1423.2	1423.5	1423.7	1424.3	1425.0	1425.7	1426.5	1427.2	1426.5	1425.7	1425.0
162.5°	1436.7	1436.9	1437.2	1437.8	1438.7	1439.7	1440.5	1441.5	1440.5	1439.7	1438.7
165°	1454.1	1454.1	1454.1	1454.7	1455.9	1457.2	1458.4	1459.7	1458.4	1457.2	1455.9
167.5°	1467.7	1467.9	1468.0	1468.8	1470.1	1471.4	1472.7	1473.9	1472.7	1471.4	1470.1
170°	1475.8	1475.6	1475.4	1476.0	1477.5	1478.9	1480.5	1482.0	1480.5	1478.9	1477.5
172.5°	1481.3	1481.0	1480.7	1481.4	1482.8	1484.4	1485.8	1487.3	1485.8	1484.4	1482.8
175°	1487.0	1486.8	1486.5	1487.1	1488.7	1490.1	1491.6	1493.1	1491.6	1490.1	1488.7
177.5°	1490.6	1490.1	1489.7	1490.2	1491.6	1493.0	1494.4	1495.8	1494.4	1493.0	1491.6
180°	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1084.2	1080.9	1076.1	1069.5	1064.0	1058.2	1056.7	1054.5	1058.9	1055.2	1054.1
5°	1048.6	1039.0	1026.7	1012.4	1004.2	992.3	990.0	985.4	980.9	980.4	975.8
7.5°	1011.0	996.9	980.7	966.2	952.8	939.8	931.3	929.4	922.7	918.8	914.2
10°	986.8	969.4	950.6	936.9	921.4	907.6	897.9	892.5	887.9	882.9	878.3
12.5°	958.2	939.7	924.3	909.4	890.9	880.5	864.6	855.1	854.2	854.3	842.4
15°	925.0	906.6	882.9	861.8	851.7	831.6	822.9	811.8	805.0	798.1	792.6
17.5°	887.0	864.2	845.6	821.4	802.2	786.2	774.7	768.1	757.8	748.0	741.0
20°	863.2	838.9	819.2	793.6	772.5	752.8	743.2	734.0	726.3	718.0	710.2
22.5°	839.0	813.6	789.5	764.7	745.0	724.3	715.0	702.5	695.1	690.5	682.8
25°	800.9	773.4	746.0	722.1	702.0	683.6	671.3	661.7	653.4	649.8	644.7
27.5°	759.5	732.2	705.7	678.6	655.7	642.5	632.6	625.3	620.5	615.7	613.5
30°	733.1	704.7	676.3	651.2	630.1	616.8	607.6	602.6	598.9	596.7	594.3
32.5°	706.4	678.4	648.5	625.5	606.7	594.9	587.9	582.8	581.0	580.1	579.4
35°	663.5	635.2	607.6	587.0	569.2	564.6	558.6	555.9	555.0	558.2	559.6
37.5°	622.0	595.6	570.4	550.4	538.7	532.0	529.9	530.1	533.4	536.2	539.5
40°	595.3	569.6	545.9	528.4	517.5	513.3	512.4	514.7	518.3	521.6	525.2
42.5°	569.3	544.0	522.4	506.1	498.4	494.6	495.2	497.5	502.6	506.5	512.0
45°	528.9	507.8	486.7	473.5	467.1	468.0	468.0	472.1	477.2	483.1	489.0
47.5°	490.9	469.7	452.3	441.2	437.8	437.0	439.6	445.0	452.2	459.6	467.9
50°	465.2	445.1	430.0	419.9	416.2	417.6	421.3	426.3	435.0	444.2	452.9
52.5°	439.2	420.9	406.9	397.5	395.0	397.4	401.1	409.1	416.7	426.6	437.1
55°	398.8	383.2	372.3	365.4	364.5	365.8	370.0	378.7	389.7	402.1	412.2
57.5°	358.6	345.6	335.5	330.8	331.2	332.5	339.3	349.7	361.4	374.5	387.5
60°	331.6	319.6	311.4	307.7	308.2	310.9	319.2	328.8	343.5	356.3	370.0
62.5°	305.9	295.4	287.6	284.3	283.6	289.6	297.6	307.5	322.2	336.5	351.3
65°	264.7	256.4	250.0	248.2	249.6	254.2	264.2	277.5	289.9	305.0	320.6
67.5°	224.4	217.6	213.2	214.0	215.7	222.5	230.9	242.3	256.3	272.0	287.4
70°	198.7	192.3	188.6	189.1	191.8	200.1	207.4	218.9	234.0	250.0	262.9
72.5°	172.4	168.2	164.9	166.8	169.5	175.2	184.3	195.8	209.1	224.0	237.5
75°	132.3	132.3	130.5	131.9	136.0	141.5	148.4	160.2	173.6	185.5	196.5
77.5°	98.2	97.2	98.3	100.0	102.4	108.9	116.8	125.3	135.3	147.1	156.3
80°	75.1	75.6	77.8	80.6	81.5	86.5	94.8	102.5	110.4	120.5	129.2
82.5°	56.4	56.9	58.0	61.6	62.4	67.8	73.2	80.9	88.0	94.8	102.0
85°	30.7	30.7	33.0	34.4	36.6	40.3	43.5	48.0	54.5	59.1	66.0
87.5°	14.6	15.1	16.9	18.1	19.5	21.8	22.8	27.1	28.8	31.0	34.5
90°	14.3	16.6	18.6	20.6	22.6	24.5	26.1	27.6	29.0	30.6	31.5
92.5°	14.6	15.8	17.7	19.7	21.7	23.7	25.1	26.7	28.2	29.6	30.4
95°	27.6	23.6	23.8	24.1	24.3	24.5	26.1	27.6	29.0	30.6	31.4
97.5°	151.4	140.3	112.5	84.9	57.2	29.4	29.6	29.8	30.0	30.0	30.3
100°	201.0	186.1	151.9	117.6	83.3	49.2	44.9	40.7	36.5	32.3	30.3
102.5°	255.2	254.6	250.1	245.7	241.3	236.8	191.2	145.8	100.2	54.7	31.9
105°	342.1	343.5	344.7	345.9	347.2	348.4	350.7	352.9	355.2	357.4	354.0
107.5°	426.5	427.7	429.4	431.0	432.7	434.5	435.5	436.6	437.7	438.8	439.8
110°	485.4	486.6	488.0	489.5	491.0	492.5	493.0	493.5	494.0	494.5	495.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	545.0	546.0	546.7	547.4	548.1	548.8	548.7	548.5	548.5	548.4	548.8
115°	630.6	630.9	630.6	630.3	630.1	629.8	630.3	630.9	631.4	631.8	632.1
117.5°	710.8	711.6	712.2	712.7	713.3	713.9	713.8	713.6	713.5	713.4	713.3
120°	764.5	764.8	764.7	764.4	764.1	763.9	764.4	764.8	765.3	765.9	765.9
122.5°	813.0	813.4	813.7	814.1	814.4	814.8	815.1	815.4	815.7	816.0	815.9
125°	886.2	886.5	886.0	885.5	884.9	884.5	885.2	886.0	886.7	887.4	887.9
127.5°	951.1	951.8	953.0	954.1	955.3	956.4	956.2	956.1	956.0	955.8	955.6
130°	994.9	995.4	996.2	996.9	997.6	998.4	998.7	998.8	999.1	999.4	999.5
132.5°	1035.9	1036.6	1037.6	1038.5	1039.4	1040.3	1040.6	1040.9	1041.1	1041.4	1041.4
135°	1093.5	1093.8	1094.8	1095.8	1096.8	1097.8	1098.3	1098.8	1099.2	1099.8	1100.3
137.5°	1148.2	1148.8	1149.9	1151.0	1152.1	1153.1	1153.7	1154.3	1154.8	1155.4	1155.5
140°	1184.6	1185.2	1185.6	1186.1	1186.6	1187.1	1187.8	1188.6	1189.4	1190.1	1190.6
142.5°	1217.5	1218.1	1218.4	1218.7	1219.0	1219.3	1219.9	1220.4	1220.9	1221.5	1221.8
145°	1264.9	1265.3	1265.3	1265.3	1265.3	1265.3	1265.6	1265.8	1266.0	1266.3	1266.7
147.5°	1305.7	1306.3	1306.1	1305.8	1305.5	1305.3	1305.4	1305.7	1305.9	1306.1	1306.3
150°	1331.8	1332.1	1332.0	1331.7	1331.5	1331.2	1331.2	1331.2	1331.2	1331.2	1331.3
152.5°	1354.3	1354.4	1354.0	1353.5	1353.1	1352.6	1353.1	1353.4	1353.8	1354.2	1354.4
155°	1384.7	1384.4	1383.7	1382.9	1382.2	1381.5	1382.4	1383.5	1384.4	1385.4	1385.5
157.5°	1410.6	1410.1	1409.2	1408.3	1407.6	1406.7	1408.0	1409.3	1410.6	1411.9	1411.9
160°	1424.3	1423.7	1423.5	1423.2	1423.0	1422.8	1424.3	1425.7	1427.2	1428.7	1428.7
162.5°	1437.8	1437.2	1436.9	1436.7	1436.4	1436.1	1437.6	1439.2	1440.6	1442.1	1442.0
165°	1454.7	1454.1	1454.1	1454.1	1454.1	1454.1	1456.0	1458.0	1460.0	1462.0	1461.8
167.5°	1468.8	1468.0	1467.9	1467.7	1467.6	1467.4	1469.6	1471.8	1473.9	1476.2	1476.0
170°	1476.0	1475.4	1475.6	1475.8	1476.1	1476.4	1478.3	1480.3	1482.3	1484.3	1484.0
172.5°	1481.4	1480.7	1481.0	1481.3	1481.4	1481.7	1483.7	1485.7	1487.7	1489.7	1489.4
175°	1487.1	1486.5	1486.8	1487.0	1487.3	1487.5	1489.8	1492.0	1494.3	1496.5	1496.1
177.5°	1490.2	1489.7	1490.1	1490.6	1490.9	1491.3	1492.9	1494.5	1496.1	1497.7	1497.3
180°	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1053.3	1052.7	1050.1	1049.7	1050.1	1052.7	1053.3	1054.1	1055.2	1058.9	1054.5
5°	973.1	970.8	969.4	974.5	969.4	970.8	973.1	975.8	980.4	980.9	985.4
7.5°	912.5	910.7	906.6	905.4	906.6	910.7	912.5	914.2	918.8	922.7	929.4
10°	873.7	871.8	868.2	867.3	868.2	871.8	873.7	878.3	882.9	887.9	892.5
12.5°	836.3	832.7	831.9	832.8	831.9	832.7	836.3	842.4	854.3	854.2	855.1
15°	786.7	784.9	779.8	781.2	779.8	784.9	786.7	792.6	798.1	805.0	811.8
17.5°	737.8	735.6	729.4	734.9	729.4	735.6	737.8	741.0	748.0	757.8	768.1
20°	707.1	703.4	700.2	699.6	700.2	703.4	707.1	710.2	718.0	726.3	734.0
22.5°	677.7	674.4	674.2	671.1	674.2	674.4	677.7	682.8	690.5	695.1	702.5
25°	641.1	637.9	637.0	634.6	637.0	637.9	641.1	644.7	649.8	653.4	661.7
27.5°	612.9	611.4	609.8	610.4	609.8	611.4	612.9	613.5	615.7	620.5	625.3
30°	595.7	595.3	594.3	594.3	594.3	595.3	595.7	594.3	596.7	598.9	602.6
32.5°	581.4	581.3	581.9	581.9	581.9	581.3	581.4	579.4	580.1	581.0	582.8
35°	561.4	562.7	563.7	562.3	563.7	562.7	561.4	559.6	558.2	555.0	555.9
37.5°	543.3	544.7	546.0	547.5	546.0	544.7	543.3	539.5	536.2	533.4	530.1
40°	529.3	532.5	533.5	535.8	533.5	532.5	529.3	525.2	521.6	518.3	514.7
42.5°	516.2	519.7	522.1	522.5	522.1	519.7	516.2	512.0	506.5	502.6	497.5
45°	495.9	499.6	502.8	502.8	502.8	499.6	495.9	489.0	483.1	477.2	472.1
47.5°	474.9	480.3	483.5	484.3	483.5	480.3	474.9	467.9	459.6	452.2	445.0
50°	460.6	467.1	470.3	472.6	470.3	467.1	460.6	452.9	444.2	435.0	426.3
52.5°	446.8	453.1	457.4	458.7	457.4	453.1	446.8	437.1	426.6	416.7	409.1
55°	422.7	431.8	436.9	438.7	436.9	431.8	422.7	412.2	402.1	389.7	378.7
57.5°	399.9	408.4	414.2	415.6	414.2	408.4	399.9	387.5	374.5	361.4	349.7
60°	382.4	391.5	398.8	400.2	398.8	391.5	382.4	370.0	356.3	343.5	328.8
62.5°	364.4	373.9	380.6	384.1	380.6	373.9	364.4	351.3	336.5	322.2	307.5
65°	333.4	342.9	349.4	350.8	349.4	342.9	333.4	320.6	305.0	289.9	277.5
67.5°	299.5	309.1	313.3	316.0	313.3	309.1	299.5	287.4	272.0	256.3	242.3
70°	275.7	283.4	288.0	290.3	288.0	283.4	275.7	262.9	250.0	234.0	218.9
72.5°	248.6	256.7	262.0	262.4	262.0	256.7	248.6	237.5	224.0	209.1	195.8
75°	207.0	214.3	217.1	217.1	217.1	214.3	207.0	196.5	185.5	173.6	160.2
77.5°	163.8	167.6	171.1	171.8	171.1	167.6	163.8	156.3	147.1	135.3	125.3
80°	136.0	138.3	141.0	141.0	141.0	138.3	136.0	129.2	120.5	110.4	102.5
82.5°	107.5	109.3	112.1	111.8	112.1	109.3	107.5	102.0	94.8	88.0	80.9
85°	65.0	69.1	68.7	67.8	68.7	69.1	65.0	66.0	59.1	54.5	48.0
87.5°	35.7	36.2	37.4	38.2	37.4	36.2	35.7	34.5	31.0	28.8	27.1
90°	32.0	32.5	33.0	33.5	33.0	32.5	32.0	31.5	30.6	29.0	27.6
92.5°	30.6	30.7	30.7	30.8	30.7	30.7	30.6	30.4	29.6	28.2	26.7
95°	31.6	31.9	32.1	32.4	32.1	31.9	31.6	31.4	30.6	29.0	27.6
97.5°	30.6	30.7	31.0	31.3	31.0	30.7	30.6	30.3	30.0	30.0	29.8
100°	30.6	30.7	31.0	31.3	31.0	30.7	30.6	30.3	32.3	36.5	40.7
102.5°	32.0	32.0	32.1	32.2	32.1	32.0	32.0	31.9	54.7	100.2	145.8
105°	345.1	336.1	327.2	318.3	327.2	336.1	345.1	354.0	357.4	355.2	352.9
107.5°	440.7	441.7	442.6	443.6	442.6	441.7	440.7	439.8	438.8	437.7	436.6
110°	495.8	496.6	497.3	498.1	497.3	496.6	495.8	495.1	494.5	494.0	493.5



TEST NUMBER: P332793-935

CATALOG NUMBER: S124DIW-S795D1340U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	549.7	550.7	551.6	552.6	551.6	550.7	549.7	548.8	548.4	548.5	548.5
115°	632.1	632.1	632.1	632.1	632.1	632.1	632.1	632.1	631.8	631.4	630.9
117.5°	713.3	713.2	713.1	712.9	713.1	713.2	713.3	713.3	713.4	713.5	713.6
120°	765.3	764.8	764.4	763.9	764.4	764.8	765.3	765.9	765.9	765.3	764.8
122.5°	815.4	814.9	814.4	813.9	814.4	814.9	815.4	815.9	816.0	815.7	815.4
125°	888.2	888.5	888.7	889.0	888.7	888.5	888.2	887.9	887.4	886.7	886.0
127.5°	955.5	955.2	955.0	954.8	955.0	955.2	955.5	955.6	955.8	956.0	956.1
130°	999.5	999.5	999.5	999.5	999.5	999.5	999.5	999.5	999.4	999.1	998.8
132.5°	1041.2	1041.0	1040.8	1040.6	1040.8	1041.0	1041.2	1041.4	1041.4	1041.1	1040.9
135°	1100.8	1101.2	1101.7	1102.3	1101.7	1101.2	1100.8	1100.3	1099.8	1099.2	1098.8
137.5°	1155.4	1155.3	1155.1	1154.9	1155.1	1155.3	1155.4	1155.5	1155.4	1154.8	1154.3
140°	1190.8	1191.1	1191.4	1191.6	1191.4	1191.1	1190.8	1190.6	1190.1	1189.4	1188.6
142.5°	1221.8	1221.8	1221.9	1221.9	1221.9	1221.8	1221.8	1221.8	1221.5	1220.9	1220.4
145°	1267.1	1267.7	1268.2	1268.7	1268.2	1267.7	1267.1	1266.7	1266.3	1266.0	1265.8
147.5°	1306.6	1306.8	1307.0	1307.3	1307.0	1306.8	1306.6	1306.3	1306.1	1305.9	1305.7
150°	1331.5	1331.8	1332.1	1332.3	1332.1	1331.8	1331.5	1331.3	1331.2	1331.2	1331.2
152.5°	1354.2	1354.0	1353.9	1353.8	1353.9	1354.0	1354.2	1354.4	1354.2	1353.8	1353.4
155°	1384.8	1384.1	1383.3	1382.6	1383.3	1384.1	1384.8	1385.5	1385.4	1384.4	1383.5
157.5°	1410.6	1409.3	1408.0	1406.7	1408.0	1409.3	1410.6	1411.9	1411.9	1410.6	1409.3
160°	1427.2	1425.7	1424.3	1422.8	1424.3	1425.7	1427.2	1428.7	1428.7	1427.2	1425.7
162.5°	1440.4	1438.6	1436.9	1435.3	1436.9	1438.6	1440.4	1442.0	1442.1	1440.6	1439.2
165°	1459.7	1457.4	1455.2	1452.9	1455.2	1457.4	1459.7	1461.8	1462.0	1460.0	1458.0
167.5°	1473.5	1471.0	1468.6	1466.1	1468.6	1471.0	1473.5	1476.0	1476.2	1473.9	1471.8
170°	1481.6	1479.1	1476.6	1474.1	1476.6	1479.1	1481.6	1484.0	1484.3	1482.3	1480.3
172.5°	1486.6	1483.9	1481.3	1478.6	1481.3	1483.9	1486.6	1489.4	1489.7	1487.7	1485.7
175°	1493.1	1490.1	1487.1	1484.2	1487.1	1490.1	1493.1	1496.1	1496.5	1494.3	1492.0
177.5°	1494.9	1492.5	1490.1	1487.7	1490.1	1492.5	1494.9	1497.3	1497.7	1496.1	1494.5
180°	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1056.7	1058.2	1064.0	1069.5	1076.1	1080.9	1084.2	1087.8	1095.5	1101.7	1107.6
5°	990.0	992.3	1004.2	1012.4	1026.7	1039.0	1048.6	1059.1	1071.5	1088.5	1104.1
7.5°	931.3	939.8	952.8	966.2	980.7	996.9	1011.0	1026.8	1048.2	1071.4	1095.5
10°	897.9	907.6	921.4	936.9	950.6	969.4	986.8	1005.6	1029.8	1058.3	1086.7
12.5°	864.6	880.5	890.9	909.4	924.3	939.7	958.2	982.8	1011.2	1041.0	1075.3
15°	822.9	831.6	851.7	861.8	882.9	906.6	925.0	949.7	977.1	1016.6	1055.1
17.5°	774.7	786.2	802.2	821.4	845.6	864.2	887.0	912.4	947.0	986.2	1034.3
20°	743.2	752.8	772.5	793.6	819.2	838.9	863.2	887.9	923.6	965.3	1015.6
22.5°	715.0	724.3	745.0	764.7	789.5	813.6	839.0	867.7	902.0	945.9	997.3
25°	671.3	683.6	702.0	722.1	746.0	773.4	800.9	826.6	863.2	909.4	964.4
27.5°	632.6	642.5	655.7	678.6	705.7	732.2	759.5	791.7	826.9	875.8	932.9
30°	607.6	616.8	630.1	651.2	676.3	704.7	733.1	764.2	800.9	849.5	907.6
32.5°	587.9	594.9	606.7	625.5	648.5	678.4	706.4	738.7	777.1	824.9	881.6
35°	558.6	564.6	569.2	587.0	607.6	635.2	663.5	697.8	734.9	780.3	837.1
37.5°	529.9	532.0	538.7	550.4	570.4	595.6	622.0	655.8	693.8	739.9	791.1
40°	512.4	513.3	517.5	528.4	545.9	569.6	595.3	628.7	664.9	708.4	759.2
42.5°	495.2	494.6	498.4	506.1	522.4	544.0	569.3	599.8	635.9	676.1	724.0
45°	468.0	468.0	467.1	473.5	486.7	507.8	528.9	558.2	588.4	627.8	668.1
47.5°	439.6	437.0	437.8	441.2	452.3	469.7	490.9	514.9	541.6	574.9	610.2
50°	421.3	417.6	416.2	419.9	430.0	445.1	465.2	486.3	511.5	540.8	571.0
52.5°	401.1	397.4	395.0	397.5	406.9	420.9	439.2	457.7	480.4	504.2	530.4
55°	370.0	365.8	364.5	365.4	372.3	383.2	398.8	415.8	432.7	452.5	470.7
57.5°	339.3	332.5	331.2	330.8	335.5	345.6	358.6	373.3	385.6	397.5	417.1
60°	319.2	310.9	308.2	307.7	311.4	319.6	331.6	346.2	354.9	363.1	380.0
62.5°	297.6	289.6	283.6	284.3	287.6	295.4	305.9	316.5	322.3	331.2	342.7
65°	264.2	254.2	249.6	248.2	250.0	256.4	264.7	271.6	277.9	281.6	292.6
67.5°	230.9	222.5	215.7	214.0	213.2	217.6	224.4	228.5	233.1	236.3	242.8
70°	207.4	200.1	191.8	189.1	188.6	192.3	198.7	199.1	205.6	207.0	213.9
72.5°	184.3	175.2	169.5	166.8	164.9	168.2	172.4	173.6	177.0	179.5	183.0
75°	148.4	141.5	136.0	131.9	130.5	132.3	132.3	134.7	136.9	138.3	142.4
77.5°	116.8	108.9	102.4	100.0	98.3	97.2	98.2	99.5	98.4	100.8	101.8
80°	94.8	86.5	81.5	80.6	77.8	75.6	75.1	76.5	74.6	75.6	78.3
82.5°	73.2	67.8	62.4	61.6	58.0	56.9	56.4	55.6	55.6	55.4	56.0
85°	43.5	40.3	36.6	34.4	33.0	30.7	30.7	29.8	28.8	27.9	28.4
87.5°	22.8	21.8	19.5	18.1	16.9	15.1	14.6	12.9	12.1	11.1	10.2
90°	26.1	24.5	22.6	20.6	18.6	16.6	14.3	11.5	8.8	6.1	3.4
92.5°	25.1	23.7	21.7	19.7	17.7	15.8	14.6	14.6	14.4	14.2	14.0
95°	26.1	24.5	24.3	24.1	23.8	23.6	27.6	36.1	44.5	53.0	61.4
97.5°	29.6	29.4	57.2	84.9	112.5	140.3	151.4	146.2	140.9	135.7	130.4
100°	44.9	49.2	83.3	117.6	151.9	186.1	201.0	196.6	192.1	187.6	183.1
102.5°	191.2	236.8	241.3	245.7	250.1	254.6	255.2	251.9	248.7	245.4	242.1
105°	350.7	348.4	347.2	345.9	344.7	343.5	342.1	340.6	339.1	337.6	336.1
107.5°	435.5	434.5	432.7	431.0	429.4	427.7	426.5	425.7	425.0	424.2	423.4
110°	493.0	492.5	491.0	489.5	488.0	486.6	485.4	484.7	484.0	483.2	482.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	548.7	548.8	548.1	547.4	546.7	546.0	545.0	543.6	542.3	541.0	539.6
115°	630.3	629.8	630.1	630.3	630.6	630.9	630.6	629.8	629.1	628.4	627.6
117.5°	713.8	713.9	713.3	712.7	712.2	711.6	710.8	709.9	708.9	707.9	706.9
120°	764.4	763.9	764.1	764.4	764.7	764.8	764.5	763.5	762.5	761.5	760.5
122.5°	815.1	814.8	814.4	814.1	813.7	813.4	813.0	812.4	811.8	811.1	810.5
125°	885.2	884.5	884.9	885.5	886.0	886.5	886.2	885.2	884.2	883.2	882.3
127.5°	956.2	956.4	955.3	954.1	953.0	951.8	951.1	950.9	950.6	950.4	950.1
130°	998.7	998.4	997.6	996.9	996.2	995.4	994.9	994.6	994.5	994.2	993.9
132.5°	1040.6	1040.3	1039.4	1038.5	1037.6	1036.6	1035.9	1035.4	1035.0	1034.6	1034.1
135°	1098.3	1097.8	1096.8	1095.8	1094.8	1093.8	1093.5	1093.7	1093.9	1094.2	1094.4
137.5°	1153.7	1153.1	1152.1	1151.0	1149.9	1148.8	1148.2	1148.1	1148.0	1147.9	1147.8
140°	1187.8	1187.1	1186.6	1186.1	1185.6	1185.2	1184.6	1184.1	1183.6	1183.2	1182.7
142.5°	1219.9	1219.3	1219.0	1218.7	1218.4	1218.1	1217.5	1216.6	1215.7	1214.8	1213.9
145°	1265.6	1265.3	1265.3	1265.3	1265.3	1265.3	1264.9	1264.2	1263.4	1262.7	1262.0
147.5°	1305.4	1305.3	1305.5	1305.8	1306.1	1306.3	1305.7	1304.3	1303.0	1301.5	1300.1
150°	1331.2	1331.2	1331.5	1331.7	1332.0	1332.1	1331.8	1330.8	1329.8	1328.9	1327.8
152.5°	1353.1	1352.6	1353.1	1353.5	1354.0	1354.4	1354.3	1353.4	1352.6	1351.9	1351.1
155°	1382.4	1381.5	1382.2	1382.9	1383.7	1384.4	1384.7	1384.4	1384.1	1383.9	1383.7
157.5°	1408.0	1406.7	1407.6	1408.3	1409.2	1410.1	1410.6	1410.7	1410.8	1411.0	1411.2
160°	1424.3	1422.8	1423.0	1423.2	1423.5	1423.7	1424.3	1425.0	1425.7	1426.5	1427.2
162.5°	1437.6	1436.1	1436.4	1436.7	1436.9	1437.2	1437.8	1438.7	1439.7	1440.5	1441.5
165°	1456.0	1454.1	1454.1	1454.1	1454.1	1454.1	1454.7	1455.9	1457.2	1458.4	1459.7
167.5°	1469.6	1467.4	1467.6	1467.7	1467.9	1468.0	1468.8	1470.1	1471.4	1472.7	1473.9
170°	1478.3	1476.4	1476.1	1475.8	1475.6	1475.4	1476.0	1477.5	1478.9	1480.5	1482.0
172.5°	1483.7	1481.7	1481.4	1481.3	1481.0	1480.7	1481.4	1482.8	1484.4	1485.8	1487.3
175°	1489.8	1487.5	1487.3	1487.0	1486.8	1486.5	1487.1	1488.7	1490.1	1491.6	1493.1
177.5°	1492.9	1491.3	1490.9	1490.6	1490.1	1489.7	1490.2	1491.6	1493.0	1494.4	1495.8
180°	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1112.8	1116.4	1121.2	1129.2	1132.1	1135.8	1140.9	1140.6	1142.0	1147.5	1159.3
5°	1116.9	1131.0	1144.8	1161.2	1178.7	1190.1	1205.7	1215.3	1224.9	1237.3	1258.4
7.5°	1118.5	1141.0	1166.2	1195.2	1220.9	1250.6	1273.8	1295.5	1315.2	1341.4	1366.4
10°	1115.9	1146.2	1178.7	1215.3	1254.2	1287.2	1317.0	1350.8	1379.7	1411.3	1439.7
12.5°	1111.2	1147.6	1191.1	1232.2	1277.6	1326.4	1363.5	1397.7	1436.1	1472.5	1516.2
15°	1100.4	1150.3	1201.1	1255.2	1316.0	1372.3	1425.9	1470.3	1511.6	1566.1	1623.3
17.5°	1086.7	1140.5	1204.6	1270.0	1333.6	1398.0	1464.3	1531.1	1583.1	1650.8	1695.6
20°	1073.8	1136.1	1202.0	1279.9	1343.5	1423.7	1489.6	1554.2	1625.6	1692.9	1746.5
22.5°	1055.8	1124.0	1193.9	1271.4	1355.2	1435.4	1511.6	1581.7	1653.0	1726.2	1791.1
25°	1033.0	1094.8	1177.8	1265.7	1349.0	1436.0	1523.5	1611.4	1688.3	1765.7	1826.2
27.5°	994.2	1072.3	1149.4	1240.2	1332.8	1431.2	1524.7	1616.8	1697.4	1761.0	1798.5
30°	974.5	1042.2	1126.0	1217.1	1317.4	1423.2	1520.7	1610.9	1686.0	1736.9	1752.0
32.5°	945.1	1015.1	1097.1	1191.5	1297.6	1406.4	1507.9	1593.0	1655.6	1682.3	1664.1
35°	901.6	964.8	1047.7	1144.4	1254.6	1370.5	1470.8	1542.7	1574.8	1549.5	1486.9
37.5°	849.5	912.1	995.3	1090.2	1204.4	1322.2	1412.8	1464.6	1454.0	1391.3	1297.8
40°	812.8	871.4	950.6	1053.2	1164.5	1282.6	1362.3	1390.3	1360.9	1271.2	1171.8
42.5°	772.1	829.3	908.9	1007.8	1125.7	1234.6	1304.1	1306.3	1257.2	1150.0	1050.2
45°	710.2	764.7	839.8	942.9	1051.8	1154.4	1200.1	1177.8	1087.1	983.6	883.3
47.5°	649.1	696.4	770.4	868.2	971.7	1058.1	1080.7	1040.3	943.7	843.3	750.4
50°	604.4	652.0	721.7	815.1	914.9	989.5	1000.6	946.9	852.2	751.0	678.2
52.5°	561.5	608.8	675.9	762.3	853.8	921.0	921.4	859.5	765.0	674.8	607.1
55°	498.7	541.2	601.7	679.1	760.6	813.2	800.5	736.3	654.4	576.1	516.9
57.5°	438.1	475.1	530.8	595.4	667.2	710.6	689.3	627.6	554.4	488.0	443.2
60°	398.8	434.1	481.7	542.6	603.0	637.0	616.8	560.9	493.6	440.1	401.1
62.5°	360.8	390.5	436.3	489.1	545.2	570.3	552.3	497.2	439.0	390.6	359.0
65°	306.8	331.1	367.7	413.0	453.8	475.3	460.2	408.9	364.5	329.7	304.5
67.5°	256.4	275.3	303.2	339.5	374.1	385.7	372.0	336.3	298.7	270.8	253.0
70°	221.6	239.5	262.9	290.8	321.0	333.4	319.6	291.2	260.5	234.9	217.5
72.5°	191.2	205.1	224.7	248.7	272.2	284.6	275.3	248.0	222.1	203.0	188.2
75°	145.6	157.6	171.3	188.2	206.6	214.7	206.6	187.8	169.9	155.7	145.2
77.5°	105.9	112.3	122.9	135.5	147.0	153.3	146.2	133.5	122.5	112.8	107.6
80°	80.6	85.2	92.5	102.5	110.4	116.3	111.8	101.2	92.5	86.1	83.8
82.5°	58.6	61.7	66.5	74.0	79.2	82.2	80.2	72.6	69.1	63.4	61.0
85°	28.8	30.7	33.9	36.2	40.7	41.2	41.7	38.5	35.3	33.9	32.0
87.5°	11.1	12.1	13.7	15.3	17.2	18.0	18.1	18.4	17.4	17.3	16.1
90°	6.1	8.8	11.5	14.3	16.6	18.6	20.6	22.6	24.5	26.1	27.6
92.5°	14.2	14.4	14.6	14.6	15.8	17.7	19.7	21.7	23.7	25.1	26.7
95°	53.0	44.5	36.1	27.6	23.6	23.8	24.1	24.3	24.5	26.1	27.6
97.5°	135.7	140.9	146.2	151.4	140.3	112.5	84.9	57.2	29.4	29.6	29.8
100°	187.6	192.1	196.6	201.0	186.1	151.9	117.6	83.3	49.2	44.9	40.7
102.5°	245.4	248.7	251.9	255.2	254.6	250.1	245.7	241.3	236.8	191.2	145.8
105°	337.6	339.1	340.6	342.1	343.5	344.7	345.9	347.2	348.4	350.7	352.9
107.5°	424.2	425.0	425.7	426.5	427.7	429.4	431.0	432.7	434.5	435.5	436.6
110°	483.2	484.0	484.7	485.4	486.6	488.0	489.5	491.0	492.5	493.0	493.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	541.0	542.3	543.6	545.0	546.0	546.7	547.4	548.1	548.8	548.7	548.5
115°	628.4	629.1	629.8	630.6	630.9	630.6	630.3	630.1	629.8	630.3	630.9
117.5°	707.9	708.9	709.9	710.8	711.6	712.2	712.7	713.3	713.9	713.8	713.6
120°	761.5	762.5	763.5	764.5	764.8	764.7	764.4	764.1	763.9	764.4	764.8
122.5°	811.1	811.8	812.4	813.0	813.4	813.7	814.1	814.4	814.8	815.1	815.4
125°	883.2	884.2	885.2	886.2	886.5	886.0	885.5	884.9	884.5	885.2	886.0
127.5°	950.4	950.6	950.9	951.1	951.8	953.0	954.1	955.3	956.4	956.2	956.1
130°	994.2	994.5	994.6	994.9	995.4	996.2	996.9	997.6	998.4	998.7	998.8
132.5°	1034.6	1035.0	1035.4	1035.9	1036.6	1037.6	1038.5	1039.4	1040.3	1040.6	1040.9
135°	1094.2	1093.9	1093.7	1093.5	1093.8	1094.8	1095.8	1096.8	1097.8	1098.3	1098.8
137.5°	1147.9	1148.0	1148.1	1148.2	1148.8	1149.9	1151.0	1152.1	1153.1	1153.7	1154.3
140°	1183.2	1183.6	1184.1	1184.6	1185.2	1185.6	1186.1	1186.6	1187.1	1187.8	1188.6
142.5°	1214.8	1215.7	1216.6	1217.5	1218.1	1218.4	1218.7	1219.0	1219.3	1219.9	1220.4
145°	1262.7	1263.4	1264.2	1264.9	1265.3	1265.3	1265.3	1265.3	1265.3	1265.6	1265.8
147.5°	1301.5	1303.0	1304.3	1305.7	1306.3	1306.1	1305.8	1305.5	1305.3	1305.4	1305.7
150°	1328.9	1329.8	1330.8	1331.8	1332.1	1332.0	1331.7	1331.5	1331.2	1331.2	1331.2
152.5°	1351.9	1352.6	1353.4	1354.3	1354.4	1354.0	1353.5	1353.1	1352.6	1353.1	1353.4
155°	1383.9	1384.1	1384.4	1384.7	1384.4	1383.7	1382.9	1382.2	1381.5	1382.4	1383.5
157.5°	1411.0	1410.8	1410.7	1410.6	1410.1	1409.2	1408.3	1407.6	1406.7	1408.0	1409.3
160°	1426.5	1425.7	1425.0	1424.3	1423.7	1423.5	1423.2	1423.0	1422.8	1424.3	1425.7
162.5°	1440.5	1439.7	1438.7	1437.8	1437.2	1436.9	1436.7	1436.4	1436.1	1437.6	1439.2
165°	1458.4	1457.2	1455.9	1454.7	1454.1	1454.1	1454.1	1454.1	1454.1	1456.0	1458.0
167.5°	1472.7	1471.4	1470.1	1468.8	1468.0	1467.9	1467.7	1467.6	1467.4	1469.6	1471.8
170°	1480.5	1478.9	1477.5	1476.0	1475.4	1475.6	1475.8	1476.1	1476.4	1478.3	1480.3
172.5°	1485.8	1484.4	1482.8	1481.4	1480.7	1481.0	1481.3	1481.4	1481.7	1483.7	1485.7
175°	1491.6	1490.1	1488.7	1487.1	1486.5	1486.8	1487.0	1487.3	1487.5	1489.8	1492.0
177.5°	1494.4	1493.0	1491.6	1490.2	1489.7	1490.1	1490.6	1490.9	1491.3	1492.9	1494.5
180°	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1165.1	1165.9	1169.2	1171.7	1172.4	1176.1	1176.5
5°	1267.5	1275.3	1290.4	1291.8	1294.1	1306.0	1296.8
7.5°	1387.5	1407.2	1420.5	1432.1	1436.3	1441.5	1440.5
10°	1464.4	1493.7	1508.4	1531.7	1532.7	1538.6	1534.9
12.5°	1541.7	1575.8	1602.5	1606.8	1626.4	1629.4	1634.6
15°	1651.2	1687.4	1724.5	1737.8	1764.8	1771.2	1781.3
17.5°	1754.2	1791.1	1817.1	1851.5	1862.6	1877.4	1867.3
20°	1810.6	1850.9	1883.9	1910.9	1922.4	1930.5	1929.7
22.5°	1844.7	1885.3	1912.0	1932.5	1943.2	1946.7	1946.5
25°	1866.0	1889.4	1897.6	1905.4	1893.5	1889.4	1891.2
27.5°	1806.6	1800.6	1779.1	1750.8	1721.6	1698.3	1685.7
30°	1724.9	1689.3	1656.7	1599.9	1570.6	1553.2	1537.7
32.5°	1609.2	1552.6	1490.0	1438.0	1404.7	1378.9	1375.0
35°	1410.8	1325.7	1249.2	1185.5	1152.5	1124.6	1118.2
37.5°	1199.5	1110.9	1042.2	986.1	950.6	930.9	912.5
40°	1059.1	983.2	915.3	867.7	840.8	826.6	815.1
42.5°	951.1	881.7	814.2	778.0	753.5	744.9	738.1
45°	801.8	737.3	690.5	663.1	648.8	634.2	627.3
47.5°	682.3	629.7	598.9	575.6	560.4	551.7	547.3
50°	614.5	571.4	544.0	526.2	512.4	505.5	501.9
52.5°	554.4	519.1	496.0	481.8	472.5	467.4	466.0
55°	477.6	450.6	435.9	423.6	416.7	412.2	410.3
57.5°	415.2	394.3	382.5	372.3	369.6	365.8	364.5
60°	374.1	358.1	348.0	341.1	338.9	334.2	335.2
62.5°	337.9	324.8	316.2	312.2	309.2	305.3	306.6
65°	285.8	276.1	271.6	267.9	264.2	261.9	263.7
67.5°	239.8	233.2	227.0	224.8	223.0	222.7	220.7
70°	209.7	204.2	198.7	197.3	197.3	195.5	195.1
72.5°	180.8	176.8	173.1	172.1	170.7	171.3	169.4
75°	139.7	136.5	135.1	133.7	133.3	133.3	131.9
77.5°	103.2	100.8	98.7	98.7	96.9	96.3	96.2
80°	78.3	77.4	75.6	75.6	74.6	75.1	74.2
82.5°	58.9	57.6	57.3	56.5	55.2	55.3	54.4
85°	31.6	30.2	29.8	28.4	27.5	28.4	27.5
87.5°	16.8	16.7	16.5	15.9	15.7	15.8	14.7
90°	29.0	30.6	31.5	32.0	32.5	33.0	33.5
92.5°	28.2	29.6	30.4	30.6	30.7	30.7	30.8
95°	29.0	30.6	31.4	31.6	31.9	32.1	32.4
97.5°	30.0	30.0	30.3	30.6	30.7	31.0	31.3
100°	36.5	32.3	30.3	30.6	30.7	31.0	31.3
102.5°	100.2	54.7	31.9	32.0	32.0	32.1	32.2
105°	355.2	357.4	354.0	345.1	336.1	327.2	318.3
107.5°	437.7	438.8	439.8	440.7	441.7	442.6	443.6
110°	494.0	494.5	495.1	495.8	496.6	497.3	498.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	548.5	548.4	548.8	549.7	550.7	551.6	552.6
115°	631.4	631.8	632.1	632.1	632.1	632.1	632.1
117.5°	713.5	713.4	713.3	713.3	713.2	713.1	712.9
120°	765.3	765.9	765.9	765.3	764.8	764.4	763.9
122.5°	815.7	816.0	815.9	815.4	814.9	814.4	813.9
125°	886.7	887.4	887.9	888.2	888.5	888.7	889.0
127.5°	956.0	955.8	955.6	955.5	955.2	955.0	954.8
130°	999.1	999.4	999.5	999.5	999.5	999.5	999.5
132.5°	1041.1	1041.4	1041.4	1041.2	1041.0	1040.8	1040.6
135°	1099.2	1099.8	1100.3	1100.8	1101.2	1101.7	1102.3
137.5°	1154.8	1155.4	1155.5	1155.4	1155.3	1155.1	1154.9
140°	1189.4	1190.1	1190.6	1190.8	1191.1	1191.4	1191.6
142.5°	1220.9	1221.5	1221.8	1221.8	1221.8	1221.9	1221.9
145°	1266.0	1266.3	1266.7	1267.1	1267.7	1268.2	1268.7
147.5°	1305.9	1306.1	1306.3	1306.6	1306.8	1307.0	1307.3
150°	1331.2	1331.2	1331.3	1331.5	1331.8	1332.1	1332.3
152.5°	1353.8	1354.2	1354.4	1354.2	1354.0	1353.9	1353.8
155°	1384.4	1385.4	1385.5	1384.8	1384.1	1383.3	1382.6
157.5°	1410.6	1411.9	1411.9	1410.6	1409.3	1408.0	1406.7
160°	1427.2	1428.7	1428.7	1427.2	1425.7	1424.3	1422.8
162.5°	1440.6	1442.1	1442.0	1440.4	1438.6	1436.9	1435.3
165°	1460.0	1462.0	1461.8	1459.7	1457.4	1455.2	1452.9
167.5°	1473.9	1476.2	1476.0	1473.5	1471.0	1468.6	1466.1
170°	1482.3	1484.3	1484.0	1481.6	1479.1	1476.6	1474.1
172.5°	1487.7	1489.7	1489.4	1486.6	1483.9	1481.3	1478.6
175°	1494.3	1496.5	1496.1	1493.1	1490.1	1487.1	1484.2
177.5°	1496.1	1497.7	1497.3	1494.9	1492.5	1490.1	1487.7
180°	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1	1493.1

(END OF REPORT)