

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: P332607-840

Luminaire Tested: **S124DIP-S795D1035U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332607-840  
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: S124DIP-S795D1035U840-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7750.4 lumens  
Efficiency: N/A  
Efficacy: 149.0 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: General Diffuse

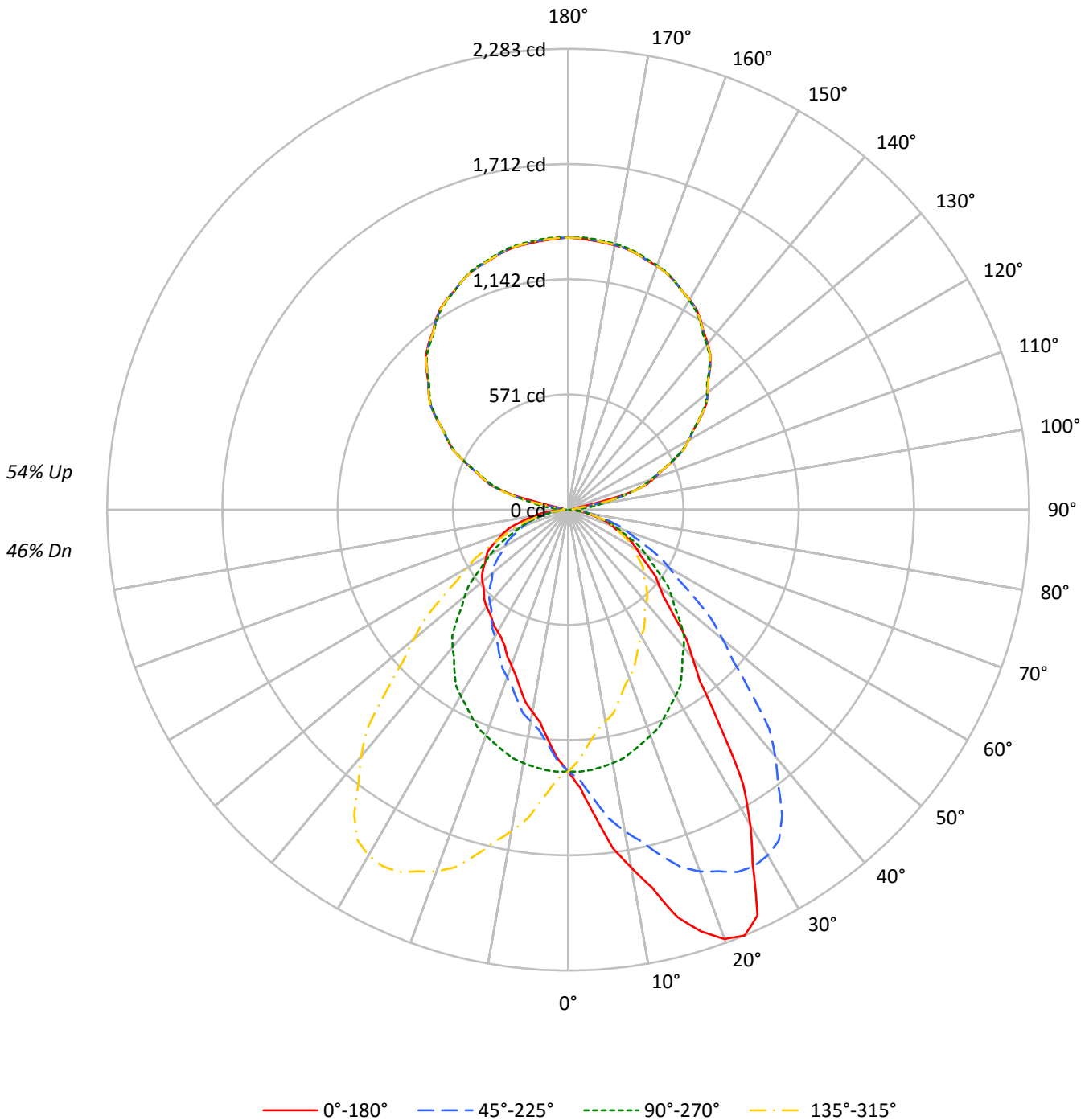
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33
3	81	72	65	59	74	66	60	55	56	51	47	46	43	40	37	35	33	28
4	74	64	56	50	68	59	52	47	50	44	40	41	37	34	33	30	28	25
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	63	51	43	37	57	47	40	35	40	35	30	33	29	26	27	24	22	19
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	35	29	24	30	25	21	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10467	10467	10467	10467
5°	12327	10494	9263	10494
10°	14758	10449	8338	10449
15°	17462	10343	7658	10343
20°	19444	10234	7050	10234
25°	19759	10075	6631	10075
30°	16812	9923	6498	9923
35°	12925	9676	6500	9676
40°	10075	9385	6622	9385
45°	8401	8947	6734	8947
50°	7394	8411	6962	8411
55°	6773	7771	7241	7771
60°	6347	7198	7579	7198
65°	5908	6556	7859	6556
70°	5401	5922	8037	5922
75°	4825	5209	7941	5209
80°	4049	4268	7689	4268
85°	2983	3084	7364	3084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.3	1.6
10°-20°	389.3	5.0
20°-30°	617.4	8.0
30°-40°	687.1	8.9
40°-50°	625.4	8.1
50°-60°	511.1	6.6
60°-70°	364.8	4.7
70°-80°	200.9	2.6
80°-90°	58.8	0.8
90°-100°	46.1	0.6
100°-110°	293.9	3.8
110°-120°	562.3	7.3
120°-130°	713.8	9.2
130°-140°	763.7	9.9
140°-150°	714.1	9.2
150°-160°	575.9	7.4
160°-170°	371.4	4.8
170°-180°	128.0	1.7
0°-30°	1133.0	14.6
0°-40°	1820.1	23.5
0°-60°	2956.5	38.1
0°-90°	3581.1	46.2
90°-120°	902.3	11.6
90°-150°	3094.0	39.9
90°-180°	4169.0	53.8
0°-180°	7750.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1297	1297	1297	1297	1297	
5°	1521	1295	1143	1295	1521	155
15°	2089	1238	916	1238	2089	590
25°	2218	1131	744	1131	2218	978
35°	1312	982	660	982	1312	832
45°	736	784	590	784	736	580
55°	481	552	514	552	481	435
65°	309	343	411	343	309	306
75°	155	167	255	167	155	164
85°	32	33	80	33	32	40
90°	30	3	30	3	30	14
95°	29	55	29	55	29	23
105°	287	304	287	304	287	251
115°	571	566	571	566	571	565
125°	802	796	802	796	802	715
135°	995	988	995	988	995	766
145°	1145	1139	1145	1139	1145	716
155°	1248	1249	1248	1249	1248	575
165°	1312	1318	1312	1318	1312	370
175°	1340	1348	1340	1348	1340	128
180°	1348	1348	1348	1348	1348	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1379.9	1379.5	1375.1	1374.3	1371.3	1367.5	1366.5	1359.7	1345.9	1339.5	1337.8
5°	1521.1	1531.8	1517.8	1515.1	1513.5	1495.8	1486.6	1475.9	1451.2	1436.7	1425.4
7.5°	1689.5	1690.7	1684.7	1679.7	1666.1	1650.5	1627.4	1602.7	1573.3	1542.6	1519.5
10°	1800.3	1804.6	1797.7	1796.5	1769.2	1752.0	1717.6	1688.6	1655.3	1618.2	1584.4
12.5°	1917.2	1911.2	1907.6	1884.6	1879.6	1848.3	1808.3	1778.4	1727.1	1684.5	1639.4
15°	2089.3	2077.5	2069.9	2038.2	2022.7	1979.1	1936.7	1904.0	1836.8	1772.9	1724.5
17.5°	2190.2	2202.0	2184.6	2171.6	2131.3	2100.8	2057.5	1988.7	1936.2	1856.8	1795.8
20°	2263.3	2264.3	2254.7	2241.3	2209.6	2170.9	2123.6	2048.4	1985.6	1906.6	1822.9
22.5°	2283.0	2283.3	2279.2	2266.6	2242.6	2211.3	2163.6	2100.8	2024.7	1938.8	1855.1
25°	2218.2	2216.0	2220.9	2234.8	2225.6	2216.0	2188.6	2141.9	2071.0	1980.2	1890.0
27.5°	1977.1	1992.0	2019.2	2053.6	2086.7	2111.9	2119.0	2109.4	2065.5	1990.8	1896.3
30°	1803.5	1821.8	1842.2	1876.5	1943.2	1981.4	2023.2	2054.9	2037.2	1977.5	1889.5
32.5°	1612.8	1617.3	1647.6	1686.7	1747.7	1821.1	1887.4	1951.8	1973.2	1941.9	1868.5
35°	1311.5	1319.1	1351.8	1390.5	1465.2	1554.9	1654.8	1743.9	1817.5	1847.0	1809.5
37.5°	1070.3	1091.9	1115.0	1156.6	1222.3	1303.0	1406.8	1522.2	1631.8	1705.4	1717.8
40°	956.0	969.5	986.1	1017.7	1073.6	1153.2	1242.2	1374.4	1491.0	1596.2	1630.6
42.5°	865.8	873.6	883.8	912.5	955.0	1034.1	1115.5	1231.7	1348.8	1474.6	1532.2
45°	735.8	743.9	761.0	777.7	809.9	864.7	940.4	1036.0	1153.7	1275.1	1381.4
47.5°	642.0	647.1	657.3	675.1	702.5	738.6	800.2	880.1	989.1	1106.9	1220.2
50°	588.7	592.9	601.0	617.1	638.0	670.2	720.7	795.5	880.8	999.6	1110.6
52.5°	546.5	548.3	554.2	565.1	581.8	608.8	650.3	712.1	791.4	897.3	1008.0
55°	481.2	483.4	488.8	496.9	511.3	528.5	560.2	606.3	675.7	767.5	863.6
57.5°	427.5	429.0	433.5	436.7	448.6	462.5	487.0	519.9	572.4	650.3	736.1
60°	393.1	392.0	397.5	400.1	408.2	420.0	438.8	470.5	516.1	579.0	657.9
62.5°	359.6	358.1	362.6	366.2	370.8	380.9	396.3	421.1	458.2	514.9	583.2
65°	309.3	307.2	309.9	314.2	318.5	323.9	335.2	357.2	386.7	427.5	479.6
67.5°	258.8	261.2	261.6	263.7	266.2	273.5	281.2	296.8	317.6	350.3	394.5
70°	228.8	229.3	231.5	231.5	233.1	239.5	246.0	255.1	275.5	305.6	341.5
72.5°	198.7	201.0	200.2	201.9	203.0	207.3	212.1	220.8	238.1	260.4	290.8
75°	154.7	156.3	156.3	156.8	158.4	160.1	163.8	170.3	182.6	199.2	220.3
77.5°	112.8	113.0	113.7	115.7	115.7	118.3	121.1	126.2	132.3	143.7	156.5
80°	87.1	88.1	87.6	88.7	88.7	90.8	91.8	98.3	101.0	108.5	118.7
82.5°	63.8	64.8	64.7	66.2	67.2	67.6	69.1	71.6	74.3	81.0	85.1
85°	32.2	33.3	32.2	33.3	34.9	35.4	37.1	37.6	39.8	41.4	45.1
87.5°	15.5	16.7	16.6	17.0	17.7	18.0	18.2	17.5	18.9	19.1	20.4
90°	30.2	29.8	29.4	28.9	28.5	27.6	26.3	24.8	23.5	22.2	20.4
92.5°	27.9	27.8	27.7	27.6	27.5	26.8	25.4	24.0	22.7	21.4	19.6
95°	29.2	29.0	28.8	28.6	28.4	27.6	26.3	24.8	23.5	22.2	21.9
97.5°	28.3	28.0	27.8	27.6	27.4	27.2	27.1	26.9	26.8	26.7	51.6
100°	28.3	28.0	27.8	27.6	27.4	29.1	32.9	36.8	40.6	44.3	75.2
102.5°	29.1	29.0	29.0	28.9	28.9	49.4	90.5	131.6	172.6	213.7	217.7
105°	287.3	295.4	303.5	311.5	319.6	322.6	320.5	318.6	316.6	314.6	313.5
107.5°	400.4	399.6	398.7	397.9	397.0	396.1	395.2	394.2	393.1	392.1	390.6
110°	449.6	449.0	448.3	447.6	447.0	446.4	446.0	445.5	445.0	444.5	443.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	498.8	498.0	497.2	496.2	495.4	495.0	495.1	495.2	495.3	495.3	494.7
115°	570.6	570.6	570.6	570.6	570.6	570.4	570.0	569.5	569.1	568.6	568.8
117.5°	643.6	643.7	643.8	643.9	644.0	644.0	644.1	644.2	644.3	644.4	643.9
120°	689.5	690.0	690.4	690.8	691.4	691.4	690.8	690.4	690.0	689.5	689.7
122.5°	734.7	735.2	735.6	736.1	736.5	736.6	736.3	736.1	735.8	735.5	735.2
125°	802.4	802.2	802.0	801.8	801.5	801.1	800.4	799.8	799.1	798.4	798.9
127.5°	861.9	862.1	862.3	862.5	862.6	862.8	862.9	863.1	863.2	863.3	862.3
130°	902.3	902.3	902.3	902.3	902.3	902.1	901.9	901.7	901.5	901.3	900.6
132.5°	939.4	939.6	939.7	939.9	940.1	940.1	939.9	939.6	939.4	939.2	938.3
135°	995.0	994.5	994.1	993.7	993.2	992.8	992.3	991.9	991.4	991.0	990.1
137.5°	1042.6	1042.7	1042.9	1043.0	1043.1	1043.0	1042.5	1042.0	1041.5	1041.0	1040.0
140°	1075.7	1075.4	1075.2	1075.0	1074.8	1074.3	1073.7	1073.0	1072.3	1071.7	1071.2
142.5°	1103.1	1103.1	1103.0	1103.0	1102.9	1102.7	1102.2	1101.7	1101.2	1100.7	1100.3
145°	1145.2	1144.8	1144.3	1143.9	1143.5	1143.1	1142.9	1142.7	1142.5	1142.2	1142.2
147.5°	1180.1	1179.9	1179.6	1179.4	1179.2	1179.0	1178.8	1178.6	1178.5	1178.3	1178.5
150°	1202.6	1202.4	1202.2	1202.0	1201.7	1201.6	1201.6	1201.6	1201.6	1201.6	1201.9
152.5°	1222.0	1222.1	1222.3	1222.4	1222.5	1222.4	1222.1	1221.7	1221.4	1221.0	1221.4
155°	1248.1	1248.7	1249.4	1250.1	1250.7	1250.6	1249.7	1248.8	1247.9	1247.1	1247.7
157.5°	1269.8	1271.0	1272.1	1273.3	1274.4	1274.4	1273.3	1272.1	1271.0	1269.8	1270.6
160°	1284.3	1285.7	1287.1	1288.4	1289.7	1289.7	1288.4	1287.1	1285.7	1284.3	1284.5
162.5°	1295.7	1297.2	1298.7	1300.2	1301.7	1301.8	1300.5	1299.1	1297.8	1296.5	1296.7
165°	1311.5	1313.5	1315.6	1317.6	1319.6	1319.7	1318.0	1316.2	1314.3	1312.5	1312.5
167.5°	1323.4	1325.6	1328.0	1330.2	1332.4	1332.5	1330.6	1328.6	1326.7	1324.6	1324.8
170°	1330.7	1332.9	1335.2	1337.5	1339.7	1339.9	1338.1	1336.4	1334.5	1332.7	1332.5
172.5°	1334.7	1337.2	1339.6	1342.0	1344.4	1344.7	1342.9	1341.2	1339.4	1337.6	1337.4
175°	1339.8	1342.5	1345.1	1347.9	1350.5	1350.9	1348.9	1346.9	1344.8	1342.8	1342.6
177.5°	1343.0	1345.1	1347.4	1349.5	1351.6	1352.0	1350.5	1349.1	1347.7	1346.3	1345.8
180°	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1338.2	1332.2	1327.9	1324.4	1315.0	1309.4	1305.1	1299.1	1292.2	1285.0	1275.9
5°	1414.1	1395.8	1382.5	1362.0	1342.7	1326.6	1310.0	1294.9	1276.7	1256.8	1242.2
7.5°	1494.0	1466.8	1432.0	1401.8	1367.9	1338.3	1311.9	1284.9	1256.7	1229.4	1204.4
10°	1544.7	1509.7	1471.1	1425.4	1382.5	1344.3	1308.9	1274.6	1241.2	1207.9	1179.4
12.5°	1599.2	1555.7	1498.5	1445.2	1397.0	1346.0	1303.3	1261.2	1221.0	1186.0	1152.8
15°	1672.4	1609.6	1543.6	1472.2	1408.8	1349.2	1290.6	1237.5	1192.3	1146.1	1113.9
17.5°	1717.5	1639.7	1564.2	1489.6	1412.9	1337.7	1274.6	1213.2	1156.7	1110.8	1070.2
20°	1747.2	1669.8	1575.8	1501.2	1409.9	1332.5	1259.5	1191.2	1132.2	1083.3	1041.4
22.5°	1772.9	1683.5	1589.5	1491.3	1400.4	1318.4	1238.4	1169.7	1109.4	1057.9	1017.7
25°	1786.9	1684.3	1582.3	1484.5	1381.4	1284.1	1211.6	1131.1	1066.6	1012.4	969.5
27.5°	1788.4	1678.7	1563.3	1454.6	1348.2	1257.7	1166.1	1094.2	1027.2	969.9	928.6
30°	1783.6	1669.3	1545.2	1427.5	1320.7	1222.4	1143.0	1064.5	996.3	939.4	896.4
32.5°	1768.6	1649.5	1522.0	1397.5	1286.8	1190.6	1108.5	1034.0	967.6	911.4	866.4
35°	1725.2	1607.5	1471.6	1342.2	1228.8	1131.7	1057.5	981.8	915.2	862.0	818.5
37.5°	1657.1	1550.7	1412.6	1278.7	1167.4	1069.8	996.3	927.9	867.8	813.7	769.2
40°	1597.8	1504.4	1365.8	1235.3	1115.0	1022.1	953.3	890.5	830.9	779.8	737.4
42.5°	1529.5	1448.0	1320.3	1182.0	1066.0	972.7	905.6	849.2	793.0	745.9	703.5
45°	1407.7	1354.0	1233.7	1105.9	985.0	897.0	833.0	783.7	736.4	690.1	654.7
47.5°	1267.6	1241.0	1139.7	1018.3	903.6	816.8	761.3	715.7	674.3	635.2	603.9
50°	1173.6	1160.6	1073.1	956.0	846.5	764.8	708.9	669.7	634.3	600.0	570.4
52.5°	1080.8	1080.3	1001.4	894.1	792.7	714.1	658.6	622.1	591.4	563.4	536.8
55°	938.9	953.8	892.1	796.5	705.7	634.8	584.9	552.1	530.7	507.6	487.7
57.5°	808.5	833.4	782.5	698.3	622.6	557.2	513.8	489.2	466.3	452.3	437.9
60°	723.5	747.1	707.3	636.4	565.0	509.2	467.8	445.8	425.9	416.3	406.1
62.5°	647.8	668.9	639.4	573.7	511.7	458.1	423.1	401.9	388.5	378.0	371.2
65°	539.8	557.4	532.3	484.4	431.3	388.3	359.8	343.2	330.3	326.0	318.5
67.5°	436.4	452.4	438.8	398.2	355.6	323.0	300.7	284.8	277.1	273.4	268.0
70°	374.9	391.0	376.5	341.0	308.3	280.9	259.9	250.9	242.8	241.2	233.6
72.5°	322.9	333.9	319.3	291.6	263.6	240.5	224.3	214.7	210.6	207.6	203.6
75°	242.3	251.9	242.3	220.8	200.9	184.8	170.8	167.0	162.2	160.6	157.9
77.5°	171.5	179.9	172.4	159.0	144.1	131.7	124.2	119.4	118.3	115.4	116.7
80°	131.1	136.4	129.5	120.3	108.5	99.9	94.5	91.8	88.7	87.6	89.7
82.5°	94.1	96.4	92.9	86.7	78.0	72.4	68.8	65.6	65.0	65.2	65.2
85°	48.9	48.4	47.8	42.4	39.8	36.0	33.8	33.3	32.7	33.8	34.9
87.5°	20.1	20.1	19.3	17.2	15.5	13.6	12.7	11.8	12.7	13.6	14.5
90°	18.6	16.8	15.0	12.9	10.4	8.0	5.5	3.0	5.5	8.0	10.4
92.5°	17.8	16.0	14.2	13.2	13.1	12.9	12.8	12.7	12.8	12.9	13.1
95°	21.7	21.5	21.3	24.9	32.6	40.2	47.9	55.4	47.9	40.2	32.6
97.5°	76.6	101.6	126.6	136.7	132.0	127.2	122.5	117.8	122.5	127.2	132.0
100°	106.2	137.1	168.0	181.5	177.4	173.4	169.4	165.3	169.4	173.4	177.4
102.5°	221.8	225.8	229.8	230.4	227.4	224.5	221.6	218.5	221.6	224.5	227.4
105°	312.3	311.1	310.0	308.8	307.5	306.1	304.8	303.5	304.8	306.1	307.5
107.5°	389.1	387.6	386.1	385.0	384.3	383.6	382.9	382.2	382.9	383.6	384.3
110°	441.9	440.5	439.2	438.2	437.5	436.9	436.2	435.6	436.2	436.9	437.5





TEST NUMBER: P332607-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	494.1	493.5	492.9	492.0	490.8	489.6	488.4	487.2	488.4	489.6	490.8
115°	569.1	569.3	569.5	569.3	568.6	567.9	567.2	566.5	567.2	567.9	568.6
117.5°	643.4	642.9	642.4	641.8	640.9	640.0	639.0	638.1	639.0	640.0	640.9
120°	690.0	690.2	690.4	690.1	689.2	688.3	687.4	686.5	687.4	688.3	689.2
122.5°	734.9	734.6	734.3	733.9	733.3	732.8	732.3	731.6	732.3	732.8	733.3
125°	799.3	799.8	800.2	800.0	799.1	798.2	797.3	796.4	797.3	798.2	799.1
127.5°	861.3	860.3	859.2	858.6	858.4	858.2	857.9	857.7	857.9	858.2	858.4
130°	899.9	899.3	898.6	898.1	897.9	897.7	897.5	897.3	897.5	897.7	897.9
132.5°	937.5	936.6	935.7	935.1	934.7	934.3	933.9	933.5	933.9	934.3	934.7
135°	989.2	988.3	987.3	987.0	987.2	987.5	987.7	988.0	987.7	987.5	987.2
137.5°	1039.1	1038.0	1037.0	1036.5	1036.4	1036.3	1036.2	1036.1	1036.2	1036.3	1036.4
140°	1070.8	1070.3	1069.9	1069.3	1068.9	1068.5	1068.0	1067.6	1068.0	1068.5	1068.9
142.5°	1100.1	1099.8	1099.5	1099.0	1098.2	1097.4	1096.6	1095.8	1096.6	1097.4	1098.2
145°	1142.2	1142.2	1142.2	1141.9	1141.1	1140.5	1139.8	1139.1	1139.8	1140.5	1141.1
147.5°	1178.7	1178.9	1179.2	1178.7	1177.4	1176.2	1174.9	1173.7	1174.9	1176.2	1177.4
150°	1202.1	1202.3	1202.5	1202.2	1201.3	1200.4	1199.5	1198.6	1199.5	1200.4	1201.3
152.5°	1221.8	1222.2	1222.6	1222.4	1221.7	1221.0	1220.3	1219.6	1220.3	1221.0	1221.7
155°	1248.4	1249.1	1249.7	1249.9	1249.7	1249.5	1249.3	1249.1	1249.3	1249.5	1249.7
157.5°	1271.3	1272.1	1272.8	1273.3	1273.4	1273.5	1273.7	1273.8	1273.7	1273.5	1273.4
160°	1284.8	1285.1	1285.3	1285.7	1286.4	1287.1	1287.7	1288.4	1287.7	1287.1	1286.4
162.5°	1296.9	1297.1	1297.4	1297.9	1298.7	1299.6	1300.4	1301.3	1300.4	1299.6	1298.7
165°	1312.5	1312.5	1312.5	1313.1	1314.2	1315.3	1316.5	1317.6	1316.5	1315.3	1314.2
167.5°	1324.9	1325.0	1325.2	1325.9	1327.1	1328.2	1329.4	1330.5	1329.4	1328.2	1327.1
170°	1332.3	1332.0	1331.8	1332.4	1333.7	1335.0	1336.5	1337.8	1336.5	1335.0	1333.7
172.5°	1337.2	1336.9	1336.7	1337.3	1338.6	1339.9	1341.3	1342.6	1341.3	1339.9	1338.6
175°	1342.4	1342.1	1341.9	1342.5	1343.8	1345.1	1346.6	1347.9	1346.6	1345.1	1343.8
177.5°	1345.5	1345.1	1344.8	1345.2	1346.6	1347.8	1349.0	1350.3	1349.0	1347.8	1346.6
180°	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9



TEST NUMBER: P332607-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1271.6	1267.8	1262.1	1254.5	1248.0	1241.1	1239.4	1236.8	1241.9	1237.7	1236.4
5°	1229.9	1218.6	1204.2	1187.5	1177.8	1163.9	1161.1	1155.8	1150.4	1149.9	1144.5
7.5°	1185.8	1169.2	1150.2	1133.3	1117.5	1102.3	1092.4	1090.1	1082.3	1077.6	1072.3
10°	1157.4	1137.0	1115.0	1098.8	1080.7	1064.5	1053.2	1046.8	1041.4	1035.5	1030.2
12.5°	1123.9	1102.2	1084.1	1066.6	1044.9	1032.7	1014.1	1003.0	1001.9	1002.0	988.1
15°	1084.9	1063.4	1035.5	1010.8	999.0	975.3	965.1	952.2	944.2	936.1	929.7
17.5°	1040.4	1013.6	991.8	963.4	940.9	922.1	908.7	900.9	888.8	877.4	869.1
20°	1012.4	983.9	960.9	930.8	906.1	882.9	871.7	860.9	851.8	842.1	833.0
22.5°	984.0	954.3	926.0	896.9	873.8	849.5	838.6	823.9	815.3	809.9	800.8
25°	939.4	907.2	874.9	847.0	823.3	801.8	787.4	776.1	766.4	762.1	756.2
27.5°	890.8	858.8	827.7	796.0	769.1	753.6	741.9	733.5	727.8	722.2	719.5
30°	859.9	826.6	793.2	763.8	739.0	723.5	712.7	706.8	702.5	699.8	697.1
32.5°	828.5	795.7	760.6	733.7	711.6	697.7	689.5	683.6	681.5	680.4	679.5
35°	778.2	745.0	712.7	688.5	667.6	662.3	655.2	652.1	651.0	654.7	656.3
37.5°	729.5	698.6	669.0	645.6	631.9	624.0	621.6	621.8	625.6	628.9	632.8
40°	698.2	668.1	640.3	619.8	606.9	602.1	601.0	603.7	607.9	611.8	616.0
42.5°	667.7	638.0	612.7	593.6	584.6	580.2	580.8	583.5	589.5	594.1	600.6
45°	620.4	595.6	570.9	555.3	547.9	548.9	548.9	553.7	559.7	566.6	573.6
47.5°	575.7	550.9	530.5	517.5	513.5	512.6	515.6	521.9	530.4	539.1	548.8
50°	545.6	522.0	504.3	492.5	488.2	489.8	494.1	500.0	510.2	521.0	531.2
52.5°	515.1	493.7	477.3	466.3	463.3	466.2	470.5	479.8	488.8	500.4	512.7
55°	467.8	449.5	436.7	428.6	427.5	429.1	433.9	444.1	457.1	471.6	483.4
57.5°	420.6	405.4	393.5	388.0	388.5	390.0	398.0	410.1	423.8	439.3	454.5
60°	388.9	374.9	365.3	360.9	361.4	364.7	374.4	385.7	402.8	417.9	433.9
62.5°	358.8	346.5	337.3	333.5	332.6	339.7	349.0	360.7	377.9	394.7	412.0
65°	310.4	300.7	293.3	291.1	292.8	298.1	309.9	325.5	340.0	357.7	376.0
67.5°	263.2	255.2	250.0	251.1	253.0	260.9	270.8	284.2	300.6	319.0	337.1
70°	233.1	225.6	221.3	221.8	225.0	234.7	243.3	256.7	274.5	293.3	308.3
72.5°	202.2	197.2	193.4	195.6	198.8	205.5	216.2	229.6	245.2	262.8	278.6
75°	155.2	155.2	153.1	154.7	159.6	165.9	174.0	187.9	203.6	217.5	230.5
77.5°	115.1	114.0	115.3	117.3	120.1	127.7	136.9	146.9	158.6	172.6	183.3
80°	88.1	88.7	91.3	94.5	95.6	101.5	111.2	120.3	129.5	141.3	151.5
82.5°	66.1	66.8	68.1	72.2	73.2	79.6	85.8	94.9	103.2	111.2	119.7
85°	36.0	36.0	38.7	40.3	42.9	47.3	51.0	56.4	63.9	69.3	77.4
87.5°	16.4	16.8	18.8	20.1	21.7	24.2	25.3	30.3	32.3	34.7	38.8
90°	12.9	15.0	16.8	18.6	20.4	22.2	23.5	24.8	26.3	27.6	28.5
92.5°	13.2	14.2	16.0	17.8	19.6	21.4	22.7	24.0	25.4	26.8	27.5
95°	24.9	21.3	21.5	21.7	21.9	22.2	23.5	24.8	26.3	27.6	28.4
97.5°	136.7	126.6	101.6	76.6	51.6	26.7	26.8	26.9	27.1	27.2	27.4
100°	181.5	168.0	137.1	106.2	75.2	44.3	40.6	36.8	32.9	29.1	27.4
102.5°	230.4	229.8	225.8	221.8	217.7	213.7	172.6	131.6	90.5	49.4	28.9
105°	308.8	310.0	311.1	312.3	313.5	314.6	316.6	318.6	320.5	322.6	319.6
107.5°	385.0	386.1	387.6	389.1	390.6	392.1	393.1	394.2	395.2	396.1	397.0
110°	438.2	439.2	440.5	441.9	443.2	444.5	445.0	445.5	446.0	446.4	447.0



TEST NUMBER: P332607-840

CATALOG NUMBER: S124DIP-S795D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	492.0	492.9	493.5	494.1	494.7	495.3	495.3	495.2	495.1	495.0	495.4
115°	569.3	569.5	569.3	569.1	568.8	568.6	569.1	569.5	570.0	570.4	570.6
117.5°	641.8	642.4	642.9	643.4	643.9	644.4	644.3	644.2	644.1	644.0	644.0
120°	690.1	690.4	690.2	690.0	689.7	689.5	690.0	690.4	690.8	691.4	691.4
122.5°	733.9	734.3	734.6	734.9	735.2	735.5	735.8	736.1	736.3	736.6	736.5
125°	800.0	800.2	799.8	799.3	798.9	798.4	799.1	799.8	800.4	801.1	801.5
127.5°	858.6	859.2	860.3	861.3	862.3	863.3	863.2	863.1	862.9	862.8	862.6
130°	898.1	898.6	899.3	899.9	900.6	901.3	901.5	901.7	901.9	902.1	902.3
132.5°	935.1	935.7	936.6	937.5	938.3	939.2	939.4	939.6	939.9	940.1	940.1
135°	987.0	987.3	988.3	989.2	990.1	991.0	991.4	991.9	992.3	992.8	993.2
137.5°	1036.5	1037.0	1038.0	1039.1	1040.0	1041.0	1041.5	1042.0	1042.5	1043.0	1043.1
140°	1069.3	1069.9	1070.3	1070.8	1071.2	1071.7	1072.3	1073.0	1073.7	1074.3	1074.8
142.5°	1099.0	1099.5	1099.8	1100.1	1100.3	1100.7	1101.2	1101.7	1102.2	1102.7	1102.9
145°	1141.9	1142.2	1142.2	1142.2	1142.2	1142.2	1142.5	1142.7	1142.9	1143.1	1143.5
147.5°	1178.7	1179.2	1178.9	1178.7	1178.5	1178.3	1178.5	1178.6	1178.8	1179.0	1179.2
150°	1202.2	1202.5	1202.3	1202.1	1201.9	1201.6	1201.6	1201.6	1201.6	1201.6	1201.7
152.5°	1222.4	1222.6	1222.2	1221.8	1221.4	1221.0	1221.4	1221.7	1222.1	1222.4	1222.5
155°	1249.9	1249.7	1249.1	1248.4	1247.7	1247.1	1247.9	1248.8	1249.7	1250.6	1250.7
157.5°	1273.3	1272.8	1272.1	1271.3	1270.6	1269.8	1271.0	1272.1	1273.3	1274.4	1274.4
160°	1285.7	1285.3	1285.1	1284.8	1284.5	1284.3	1285.7	1287.1	1288.4	1289.7	1289.7
162.5°	1297.9	1297.4	1297.1	1296.9	1296.7	1296.5	1297.8	1299.1	1300.5	1301.8	1301.7
165°	1313.1	1312.5	1312.5	1312.5	1312.5	1312.5	1314.3	1316.2	1318.0	1319.7	1319.6
167.5°	1325.9	1325.2	1325.0	1324.9	1324.8	1324.6	1326.7	1328.6	1330.6	1332.5	1332.4
170°	1332.4	1331.8	1332.0	1332.3	1332.5	1332.7	1334.5	1336.4	1338.1	1339.9	1339.7
172.5°	1337.3	1336.7	1336.9	1337.2	1337.4	1337.6	1339.4	1341.2	1342.9	1344.7	1344.4
175°	1342.5	1341.9	1342.1	1342.4	1342.6	1342.8	1344.8	1346.9	1348.9	1350.9	1350.5
177.5°	1345.2	1344.8	1345.1	1345.5	1345.8	1346.3	1347.7	1349.1	1350.5	1352.0	1351.6
180°	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9



TEST NUMBER: P332607-840

CATALOG NUMBER: S124DIP-S795D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1235.5	1234.7	1231.6	1231.2	1231.6	1234.7	1235.5	1236.4	1237.7	1241.9	1236.8
5°	1141.3	1138.6	1137.0	1143.0	1137.0	1138.6	1141.3	1144.5	1149.9	1150.4	1155.8
7.5°	1070.3	1068.1	1063.4	1062.0	1063.4	1068.1	1070.3	1072.3	1077.6	1082.3	1090.1
10°	1024.7	1022.6	1018.3	1017.2	1018.3	1022.6	1024.7	1030.2	1035.5	1041.4	1046.8
12.5°	980.9	976.6	975.7	976.8	975.7	976.6	980.9	988.1	1002.0	1001.9	1003.0
15°	922.7	920.6	914.6	916.3	914.6	920.6	922.7	929.7	936.1	944.2	952.2
17.5°	865.4	862.7	855.6	861.9	855.6	862.7	865.4	869.1	877.4	888.8	900.9
20°	829.3	825.0	821.2	820.6	821.2	825.0	829.3	833.0	842.1	851.8	860.9
22.5°	794.9	791.0	790.7	787.2	790.7	791.0	794.9	800.8	809.9	815.3	823.9
25°	751.9	748.2	747.1	744.4	747.1	748.2	751.9	756.2	762.1	766.4	776.1
27.5°	718.9	717.1	715.2	716.0	715.2	717.1	718.9	719.5	722.2	727.8	733.5
30°	698.7	698.2	697.1	697.1	697.1	698.2	698.7	697.1	699.8	702.5	706.8
32.5°	682.0	681.9	682.6	682.6	682.6	681.9	682.0	679.5	680.4	681.5	683.6
35°	658.4	660.0	661.2	659.5	661.2	660.0	658.4	656.3	654.7	651.0	652.1
37.5°	637.2	638.8	640.4	642.2	640.4	638.8	637.2	632.8	628.9	625.6	621.8
40°	620.9	624.6	625.7	628.4	625.7	624.6	620.9	616.0	611.8	607.9	603.7
42.5°	605.4	609.6	612.4	612.9	612.4	609.6	605.4	600.6	594.1	589.5	583.5
45°	581.7	585.9	589.8	589.8	589.8	585.9	581.7	573.6	566.6	559.7	553.7
47.5°	557.0	563.3	567.0	568.0	567.0	563.3	557.0	548.8	539.1	530.4	521.9
50°	540.3	547.9	551.6	554.3	551.6	547.9	540.3	531.2	521.0	510.2	500.0
52.5°	524.0	531.5	536.5	538.0	536.5	531.5	524.0	512.7	500.4	488.8	479.8
55°	495.7	506.4	512.4	514.5	512.4	506.4	495.7	483.4	471.6	457.1	444.1
57.5°	469.1	479.0	485.8	487.5	485.8	479.0	469.1	454.5	439.3	423.8	410.1
60°	448.5	459.2	467.8	469.4	467.8	459.2	448.5	433.9	417.9	402.8	385.7
62.5°	427.4	438.6	446.4	450.5	446.4	438.6	427.4	412.0	394.7	377.9	360.7
65°	391.0	402.2	409.8	411.4	409.8	402.2	391.0	376.0	357.7	340.0	325.5
67.5°	351.2	362.5	367.5	370.6	367.5	362.5	351.2	337.1	319.0	300.6	284.2
70°	323.4	332.4	337.8	340.5	337.8	332.4	323.4	308.3	293.3	274.5	256.7
72.5°	291.5	301.0	307.3	307.8	307.3	301.0	291.5	278.6	262.8	245.2	229.6
75°	242.8	251.4	254.6	254.6	254.6	251.4	242.8	230.5	217.5	203.6	187.9
77.5°	192.2	196.6	200.7	201.5	200.7	196.6	192.2	183.3	172.6	158.6	146.9
80°	159.6	162.2	165.4	165.4	165.4	162.2	159.6	151.5	141.3	129.5	120.3
82.5°	126.0	128.3	131.5	131.1	131.5	128.3	126.0	119.7	111.2	103.2	94.9
85°	76.2	81.1	80.6	79.5	80.6	81.1	76.2	77.4	69.3	63.9	56.4
87.5°	40.2	40.7	42.0	43.0	42.0	40.7	40.2	38.8	34.7	32.3	30.3
90°	28.9	29.4	29.8	30.2	29.8	29.4	28.9	28.5	27.6	26.3	24.8
92.5°	27.6	27.7	27.8	27.9	27.8	27.7	27.6	27.5	26.8	25.4	24.0
95°	28.6	28.8	29.0	29.2	29.0	28.8	28.6	28.4	27.6	26.3	24.8
97.5°	27.6	27.8	28.0	28.3	28.0	27.8	27.6	27.4	27.2	27.1	26.9
100°	27.6	27.8	28.0	28.3	28.0	27.8	27.6	27.4	29.1	32.9	36.8
102.5°	28.9	29.0	29.0	29.1	29.0	29.0	28.9	28.9	49.4	90.5	131.6
105°	311.5	303.5	295.4	287.3	295.4	303.5	311.5	319.6	322.6	320.5	318.6
107.5°	397.9	398.7	399.6	400.4	399.6	398.7	397.9	397.0	396.1	395.2	394.2
110°	447.6	448.3	449.0	449.6	449.0	448.3	447.6	447.0	446.4	446.0	445.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	496.2	497.2	498.0	498.8	498.0	497.2	496.2	495.4	495.0	495.1	495.2
115°	570.6	570.6	570.6	570.6	570.6	570.6	570.6	570.6	570.4	570.0	569.5
117.5°	643.9	643.8	643.7	643.6	643.7	643.8	643.9	644.0	644.0	644.1	644.2
120°	690.8	690.4	690.0	689.5	690.0	690.4	690.8	691.4	691.4	690.8	690.4
122.5°	736.1	735.6	735.2	734.7	735.2	735.6	736.1	736.5	736.6	736.3	736.1
125°	801.8	802.0	802.2	802.4	802.2	802.0	801.8	801.5	801.1	800.4	799.8
127.5°	862.5	862.3	862.1	861.9	862.1	862.3	862.5	862.6	862.8	862.9	863.1
130°	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.1	901.9	901.7
132.5°	939.9	939.7	939.6	939.4	939.6	939.7	939.9	940.1	940.1	939.9	939.6
135°	993.7	994.1	994.5	995.0	994.5	994.1	993.7	993.2	992.8	992.3	991.9
137.5°	1043.0	1042.9	1042.7	1042.6	1042.7	1042.9	1043.0	1043.1	1043.0	1042.5	1042.0
140°	1075.0	1075.2	1075.4	1075.7	1075.4	1075.2	1075.0	1074.8	1074.3	1073.7	1073.0
142.5°	1103.0	1103.0	1103.1	1103.1	1103.1	1103.0	1103.0	1102.9	1102.7	1102.2	1101.7
145°	1143.9	1144.3	1144.8	1145.2	1144.8	1144.3	1143.9	1143.5	1143.1	1142.9	1142.7
147.5°	1179.4	1179.6	1179.9	1180.1	1179.9	1179.6	1179.4	1179.2	1179.0	1178.8	1178.6
150°	1202.0	1202.2	1202.4	1202.6	1202.4	1202.2	1202.0	1201.7	1201.6	1201.6	1201.6
152.5°	1222.4	1222.3	1222.1	1222.0	1222.1	1222.3	1222.4	1222.5	1222.4	1222.1	1221.7
155°	1250.1	1249.4	1248.7	1248.1	1248.7	1249.4	1250.1	1250.7	1250.6	1249.7	1248.8
157.5°	1273.3	1272.1	1271.0	1269.8	1271.0	1272.1	1273.3	1274.4	1274.4	1273.3	1272.1
160°	1288.4	1287.1	1285.7	1284.3	1285.7	1287.1	1288.4	1289.7	1289.7	1288.4	1287.1
162.5°	1300.2	1298.7	1297.2	1295.7	1297.2	1298.7	1300.2	1301.7	1301.8	1300.5	1299.1
165°	1317.6	1315.6	1313.5	1311.5	1313.5	1315.6	1317.6	1319.6	1319.7	1318.0	1316.2
167.5°	1330.2	1328.0	1325.6	1323.4	1325.6	1328.0	1330.2	1332.4	1332.5	1330.6	1328.6
170°	1337.5	1335.2	1332.9	1330.7	1332.9	1335.2	1337.5	1339.7	1339.9	1338.1	1336.4
172.5°	1342.0	1339.6	1337.2	1334.7	1337.2	1339.6	1342.0	1344.4	1344.7	1342.9	1341.2
175°	1347.9	1345.1	1342.5	1339.8	1342.5	1345.1	1347.9	1350.5	1350.9	1348.9	1346.9
177.5°	1349.5	1347.4	1345.1	1343.0	1345.1	1347.4	1349.5	1351.6	1352.0	1350.5	1349.1
180°	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1239.4	1241.1	1248.0	1254.5	1262.1	1267.8	1271.6	1275.9	1285.0	1292.2	1299.1
5°	1161.1	1163.9	1177.8	1187.5	1204.2	1218.6	1229.9	1242.2	1256.8	1276.7	1294.9
7.5°	1092.4	1102.3	1117.5	1133.3	1150.2	1169.2	1185.8	1204.4	1229.4	1256.7	1284.9
10°	1053.2	1064.5	1080.7	1098.8	1115.0	1137.0	1157.4	1179.4	1207.9	1241.2	1274.6
12.5°	1014.1	1032.7	1044.9	1066.6	1084.1	1102.2	1123.9	1152.8	1186.0	1221.0	1261.2
15°	965.1	975.3	999.0	1010.8	1035.5	1063.4	1084.9	1113.9	1146.1	1192.3	1237.5
17.5°	908.7	922.1	940.9	963.4	991.8	1013.6	1040.4	1070.2	1110.8	1156.7	1213.2
20°	871.7	882.9	906.1	930.8	960.9	983.9	1012.4	1041.4	1083.3	1132.2	1191.2
22.5°	838.6	849.5	873.8	896.9	926.0	954.3	984.0	1017.7	1057.9	1109.4	1169.7
25°	787.4	801.8	823.3	847.0	874.9	907.2	939.4	969.5	1012.4	1066.6	1131.1
27.5°	741.9	753.6	769.1	796.0	827.7	858.8	890.8	928.6	969.9	1027.2	1094.2
30°	712.7	723.5	739.0	763.8	793.2	826.6	859.9	896.4	939.4	996.3	1064.5
32.5°	689.5	697.7	711.6	733.7	760.6	795.7	828.5	866.4	911.4	967.6	1034.0
35°	655.2	662.3	667.6	688.5	712.7	745.0	778.2	818.5	862.0	915.2	981.8
37.5°	621.6	624.0	631.9	645.6	669.0	698.6	729.5	769.2	813.7	867.8	927.9
40°	601.0	602.1	606.9	619.8	640.3	668.1	698.2	737.4	779.8	830.9	890.5
42.5°	580.8	580.2	584.6	593.6	612.7	638.0	667.7	703.5	745.9	793.0	849.2
45°	548.9	548.9	547.9	555.3	570.9	595.6	620.4	654.7	690.1	736.4	783.7
47.5°	515.6	512.6	513.5	517.5	530.5	550.9	575.7	603.9	635.2	674.3	715.7
50°	494.1	489.8	488.2	492.5	504.3	522.0	545.6	570.4	600.0	634.3	669.7
52.5°	470.5	466.2	463.3	466.3	477.3	493.7	515.1	536.8	563.4	591.4	622.1
55°	433.9	429.1	427.5	428.6	436.7	449.5	467.8	487.7	507.6	530.7	552.1
57.5°	398.0	390.0	388.5	388.0	393.5	405.4	420.6	437.9	452.3	466.3	489.2
60°	374.4	364.7	361.4	360.9	365.3	374.9	388.9	406.1	416.3	425.9	445.8
62.5°	349.0	339.7	332.6	333.5	337.3	346.5	358.8	371.2	378.0	388.5	401.9
65°	309.9	298.1	292.8	291.1	293.3	300.7	310.4	318.5	326.0	330.3	343.2
67.5°	270.8	260.9	253.0	251.1	250.0	255.2	263.2	268.0	273.4	277.1	284.8
70°	243.3	234.7	225.0	221.8	221.3	225.6	233.1	233.6	241.2	242.8	250.9
72.5°	216.2	205.5	198.8	195.6	193.4	197.2	202.2	203.6	207.6	210.6	214.7
75°	174.0	165.9	159.6	154.7	153.1	155.2	155.2	157.9	160.6	162.2	167.0
77.5°	136.9	127.7	120.1	117.3	115.3	114.0	115.1	116.7	115.4	118.3	119.4
80°	111.2	101.5	95.6	94.5	91.3	88.7	88.1	89.7	87.6	88.7	91.8
82.5°	85.8	79.6	73.2	72.2	68.1	66.8	66.1	65.2	65.2	65.0	65.6
85°	51.0	47.3	42.9	40.3	38.7	36.0	36.0	34.9	33.8	32.7	33.3
87.5°	25.3	24.2	21.7	20.1	18.8	16.8	16.4	14.5	13.6	12.7	11.8
90°	23.5	22.2	20.4	18.6	16.8	15.0	12.9	10.4	8.0	5.5	3.0
92.5°	22.7	21.4	19.6	17.8	16.0	14.2	13.2	13.1	12.9	12.8	12.7
95°	23.5	22.2	21.9	21.7	21.5	21.3	24.9	32.6	40.2	47.9	55.4
97.5°	26.8	26.7	51.6	76.6	101.6	126.6	136.7	132.0	127.2	122.5	117.8
100°	40.6	44.3	75.2	106.2	137.1	168.0	181.5	177.4	173.4	169.4	165.3
102.5°	172.6	213.7	217.7	221.8	225.8	229.8	230.4	227.4	224.5	221.6	218.5
105°	316.6	314.6	313.5	312.3	311.1	310.0	308.8	307.5	306.1	304.8	303.5
107.5°	393.1	392.1	390.6	389.1	387.6	386.1	385.0	384.3	383.6	382.9	382.2
110°	445.0	444.5	443.2	441.9	440.5	439.2	438.2	437.5	436.9	436.2	435.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	495.3	495.3	494.7	494.1	493.5	492.9	492.0	490.8	489.6	488.4	487.2
115°	569.1	568.6	568.8	569.1	569.3	569.5	569.3	568.6	567.9	567.2	566.5
117.5°	644.3	644.4	643.9	643.4	642.9	642.4	641.8	640.9	640.0	639.0	638.1
120°	690.0	689.5	689.7	690.0	690.2	690.4	690.1	689.2	688.3	687.4	686.5
122.5°	735.8	735.5	735.2	734.9	734.6	734.3	733.9	733.3	732.8	732.3	731.6
125°	799.1	798.4	798.9	799.3	799.8	800.2	800.0	799.1	798.2	797.3	796.4
127.5°	863.2	863.3	862.3	861.3	860.3	859.2	858.6	858.4	858.2	857.9	857.7
130°	901.5	901.3	900.6	899.9	899.3	898.6	898.1	897.9	897.7	897.5	897.3
132.5°	939.4	939.2	938.3	937.5	936.6	935.7	935.1	934.7	934.3	933.9	933.5
135°	991.4	991.0	990.1	989.2	988.3	987.3	987.0	987.2	987.5	987.7	988.0
137.5°	1041.5	1041.0	1040.0	1039.1	1038.0	1037.0	1036.5	1036.4	1036.3	1036.2	1036.1
140°	1072.3	1071.7	1071.2	1070.8	1070.3	1069.9	1069.3	1068.9	1068.5	1068.0	1067.6
142.5°	1101.2	1100.7	1100.3	1100.1	1099.8	1099.5	1099.0	1098.2	1097.4	1096.6	1095.8
145°	1142.5	1142.2	1142.2	1142.2	1142.2	1142.2	1141.9	1141.1	1140.5	1139.8	1139.1
147.5°	1178.5	1178.3	1178.5	1178.7	1178.9	1179.2	1178.7	1177.4	1176.2	1174.9	1173.7
150°	1201.6	1201.6	1201.9	1202.1	1202.3	1202.5	1202.2	1201.3	1200.4	1199.5	1198.6
152.5°	1221.4	1221.0	1221.4	1221.8	1222.2	1222.6	1222.4	1221.7	1221.0	1220.3	1219.6
155°	1247.9	1247.1	1247.7	1248.4	1249.1	1249.7	1249.9	1249.7	1249.5	1249.3	1249.1
157.5°	1271.0	1269.8	1270.6	1271.3	1272.1	1272.8	1273.3	1273.4	1273.5	1273.7	1273.8
160°	1285.7	1284.3	1284.5	1284.8	1285.1	1285.3	1285.7	1286.4	1287.1	1287.7	1288.4
162.5°	1297.8	1296.5	1296.7	1296.9	1297.1	1297.4	1297.9	1298.7	1299.6	1300.4	1301.3
165°	1314.3	1312.5	1312.5	1312.5	1312.5	1312.5	1313.1	1314.2	1315.3	1316.5	1317.6
167.5°	1326.7	1324.6	1324.8	1324.9	1325.0	1325.2	1325.9	1327.1	1328.2	1329.4	1330.5
170°	1334.5	1332.7	1332.5	1332.3	1332.0	1331.8	1332.4	1333.7	1335.0	1336.5	1337.8
172.5°	1339.4	1337.6	1337.4	1337.2	1336.9	1336.7	1337.3	1338.6	1339.9	1341.3	1342.6
175°	1344.8	1342.8	1342.6	1342.4	1342.1	1341.9	1342.5	1343.8	1345.1	1346.6	1347.9
177.5°	1347.7	1346.3	1345.8	1345.5	1345.1	1344.8	1345.2	1346.6	1347.8	1349.0	1350.3
180°	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1305.1	1309.4	1315.0	1324.4	1327.9	1332.2	1338.2	1337.8	1339.5	1345.9	1359.7
5°	1310.0	1326.6	1342.7	1362.0	1382.5	1395.8	1414.1	1425.4	1436.7	1451.2	1475.9
7.5°	1311.9	1338.3	1367.9	1401.8	1432.0	1466.8	1494.0	1519.5	1542.6	1573.3	1602.7
10°	1308.9	1344.3	1382.5	1425.4	1471.1	1509.7	1544.7	1584.4	1618.2	1655.3	1688.6
12.5°	1303.3	1346.0	1397.0	1445.2	1498.5	1555.7	1599.2	1639.4	1684.5	1727.1	1778.4
15°	1290.6	1349.2	1408.8	1472.2	1543.6	1609.6	1672.4	1724.5	1772.9	1836.8	1904.0
17.5°	1274.6	1337.7	1412.9	1489.6	1564.2	1639.7	1717.5	1795.8	1856.8	1936.2	1988.7
20°	1259.5	1332.5	1409.9	1501.2	1575.8	1669.8	1747.2	1822.9	1906.6	1985.6	2048.4
22.5°	1238.4	1318.4	1400.4	1491.3	1589.5	1683.5	1772.9	1855.1	1938.8	2024.7	2100.8
25°	1211.6	1284.1	1381.4	1484.5	1582.3	1684.3	1786.9	1890.0	1980.2	2071.0	2141.9
27.5°	1166.1	1257.7	1348.2	1454.6	1563.3	1678.7	1788.4	1896.3	1990.8	2065.5	2109.4
30°	1143.0	1222.4	1320.7	1427.5	1545.2	1669.3	1783.6	1889.5	1977.5	2037.2	2054.9
32.5°	1108.5	1190.6	1286.8	1397.5	1522.0	1649.5	1768.6	1868.5	1941.9	1973.2	1951.8
35°	1057.5	1131.7	1228.8	1342.2	1471.6	1607.5	1725.2	1809.5	1847.0	1817.5	1743.9
37.5°	996.3	1069.8	1167.4	1278.7	1412.6	1550.7	1657.1	1717.8	1705.4	1631.8	1522.2
40°	953.3	1022.1	1115.0	1235.3	1365.8	1504.4	1597.8	1630.6	1596.2	1491.0	1374.4
42.5°	905.6	972.7	1066.0	1182.0	1320.3	1448.0	1529.5	1532.2	1474.6	1348.8	1231.7
45°	833.0	897.0	985.0	1105.9	1233.7	1354.0	1407.7	1381.4	1275.1	1153.7	1036.0
47.5°	761.3	816.8	903.6	1018.3	1139.7	1241.0	1267.6	1220.2	1106.9	989.1	880.1
50°	708.9	764.8	846.5	956.0	1073.1	1160.6	1173.6	1110.6	999.6	880.8	795.5
52.5°	658.6	714.1	792.7	894.1	1001.4	1080.3	1080.8	1008.0	897.3	791.4	712.1
55°	584.9	634.8	705.7	796.5	892.1	953.8	938.9	863.6	767.5	675.7	606.3
57.5°	513.8	557.2	622.6	698.3	782.5	833.4	808.5	736.1	650.3	572.4	519.9
60°	467.8	509.2	565.0	636.4	707.3	747.1	723.5	657.9	579.0	516.1	470.5
62.5°	423.1	458.1	511.7	573.7	639.4	668.9	647.8	583.2	514.9	458.2	421.1
65°	359.8	388.3	431.3	484.4	532.3	557.4	539.8	479.6	427.5	386.7	357.2
67.5°	300.7	323.0	355.6	398.2	438.8	452.4	436.4	394.5	350.3	317.6	296.8
70°	259.9	280.9	308.3	341.0	376.5	391.0	374.9	341.5	305.6	275.5	255.1
72.5°	224.3	240.5	263.6	291.6	319.3	333.9	322.9	290.8	260.4	238.1	220.8
75°	170.8	184.8	200.9	220.8	242.3	251.9	242.3	220.3	199.2	182.6	170.3
77.5°	124.2	131.7	144.1	159.0	172.4	179.9	171.5	156.5	143.7	132.3	126.2
80°	94.5	99.9	108.5	120.3	129.5	136.4	131.1	118.7	108.5	101.0	98.3
82.5°	68.8	72.4	78.0	86.7	92.9	96.4	94.1	85.1	81.0	74.3	71.6
85°	33.8	36.0	39.8	42.4	47.8	48.4	48.9	45.1	41.4	39.8	37.6
87.5°	12.7	13.6	15.5	17.2	19.3	20.1	20.1	20.4	19.1	18.9	17.5
90°	5.5	8.0	10.4	12.9	15.0	16.8	18.6	20.4	22.2	23.5	24.8
92.5°	12.8	12.9	13.1	13.2	14.2	16.0	17.8	19.6	21.4	22.7	24.0
95°	47.9	40.2	32.6	24.9	21.3	21.5	21.7	21.9	22.2	23.5	24.8
97.5°	122.5	127.2	132.0	136.7	126.6	101.6	76.6	51.6	26.7	26.8	26.9
100°	169.4	173.4	177.4	181.5	168.0	137.1	106.2	75.2	44.3	40.6	36.8
102.5°	221.6	224.5	227.4	230.4	229.8	225.8	221.8	217.7	213.7	172.6	131.6
105°	304.8	306.1	307.5	308.8	310.0	311.1	312.3	313.5	314.6	316.6	318.6
107.5°	382.9	383.6	384.3	385.0	386.1	387.6	389.1	390.6	392.1	393.1	394.2
110°	436.2	436.9	437.5	438.2	439.2	440.5	441.9	443.2	444.5	445.0	445.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	488.4	489.6	490.8	492.0	492.9	493.5	494.1	494.7	495.3	495.3	495.2
115°	567.2	567.9	568.6	569.3	569.5	569.3	569.1	568.8	568.6	569.1	569.5
117.5°	639.0	640.0	640.9	641.8	642.4	642.9	643.4	643.9	644.4	644.3	644.2
120°	687.4	688.3	689.2	690.1	690.4	690.2	690.0	689.7	689.5	690.0	690.4
122.5°	732.3	732.8	733.3	733.9	734.3	734.6	734.9	735.2	735.5	735.8	736.1
125°	797.3	798.2	799.1	800.0	800.2	799.8	799.3	798.9	798.4	799.1	799.8
127.5°	857.9	858.2	858.4	858.6	859.2	860.3	861.3	862.3	863.3	863.2	863.1
130°	897.5	897.7	897.9	898.1	898.6	899.3	899.9	900.6	901.3	901.5	901.7
132.5°	933.9	934.3	934.7	935.1	935.7	936.6	937.5	938.3	939.2	939.4	939.6
135°	987.7	987.5	987.2	987.0	987.3	988.3	989.2	990.1	991.0	991.4	991.9
137.5°	1036.2	1036.3	1036.4	1036.5	1037.0	1038.0	1039.1	1040.0	1041.0	1041.5	1042.0
140°	1068.0	1068.5	1068.9	1069.3	1069.9	1070.3	1070.8	1071.2	1071.7	1072.3	1073.0
142.5°	1096.6	1097.4	1098.2	1099.0	1099.5	1099.8	1100.1	1100.3	1100.7	1101.2	1101.7
145°	1139.8	1140.5	1141.1	1141.9	1142.2	1142.2	1142.2	1142.2	1142.2	1142.5	1142.7
147.5°	1174.9	1176.2	1177.4	1178.7	1179.2	1178.9	1178.7	1178.5	1178.3	1178.5	1178.6
150°	1199.5	1200.4	1201.3	1202.2	1202.5	1202.3	1202.1	1201.9	1201.6	1201.6	1201.6
152.5°	1220.3	1221.0	1221.7	1222.4	1222.6	1222.2	1221.8	1221.4	1221.0	1221.4	1221.7
155°	1249.3	1249.5	1249.7	1249.9	1249.7	1249.1	1248.4	1247.7	1247.1	1247.9	1248.8
157.5°	1273.7	1273.5	1273.4	1273.3	1272.8	1272.1	1271.3	1270.6	1269.8	1271.0	1272.1
160°	1287.7	1287.1	1286.4	1285.7	1285.3	1285.1	1284.8	1284.5	1284.3	1285.7	1287.1
162.5°	1300.4	1299.6	1298.7	1297.9	1297.4	1297.1	1296.9	1296.7	1296.5	1297.8	1299.1
165°	1316.5	1315.3	1314.2	1313.1	1312.5	1312.5	1312.5	1312.5	1312.5	1314.3	1316.2
167.5°	1329.4	1328.2	1327.1	1325.9	1325.2	1325.0	1324.9	1324.8	1324.6	1326.7	1328.6
170°	1336.5	1335.0	1333.7	1332.4	1331.8	1332.0	1332.3	1332.5	1332.7	1334.5	1336.4
172.5°	1341.3	1339.9	1338.6	1337.3	1336.7	1336.9	1337.2	1337.4	1337.6	1339.4	1341.2
175°	1346.6	1345.1	1343.8	1342.5	1341.9	1342.1	1342.4	1342.6	1342.8	1344.8	1346.9
177.5°	1349.0	1347.8	1346.6	1345.2	1344.8	1345.1	1345.5	1345.8	1346.3	1347.7	1349.1
180°	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1366.5	1367.5	1371.3	1374.3	1375.1	1379.5	1379.9
5°	1486.6	1495.8	1513.5	1515.1	1517.8	1531.8	1521.1
7.5°	1627.4	1650.5	1666.1	1679.7	1684.7	1690.7	1689.5
10°	1717.6	1752.0	1769.2	1796.5	1797.7	1804.6	1800.3
12.5°	1808.3	1848.3	1879.6	1884.6	1907.6	1911.2	1917.2
15°	1936.7	1979.1	2022.7	2038.2	2069.9	2077.5	2089.3
17.5°	2057.5	2100.8	2131.3	2171.6	2184.6	2202.0	2190.2
20°	2123.6	2170.9	2209.6	2241.3	2254.7	2264.3	2263.3
22.5°	2163.6	2211.3	2242.6	2266.6	2279.2	2283.3	2283.0
25°	2188.6	2216.0	2225.6	2234.8	2220.9	2216.0	2218.2
27.5°	2119.0	2111.9	2086.7	2053.6	2019.2	1992.0	1977.1
30°	2023.2	1981.4	1943.2	1876.5	1842.2	1821.8	1803.5
32.5°	1887.4	1821.1	1747.7	1686.7	1647.6	1617.3	1612.8
35°	1654.8	1554.9	1465.2	1390.5	1351.8	1319.1	1311.5
37.5°	1406.8	1303.0	1222.3	1156.6	1115.0	1091.9	1070.3
40°	1242.2	1153.2	1073.6	1017.7	986.1	969.5	956.0
42.5°	1115.5	1034.1	955.0	912.5	883.8	873.6	865.8
45°	940.4	864.7	809.9	777.7	761.0	743.9	735.8
47.5°	800.2	738.6	702.5	675.1	657.3	647.1	642.0
50°	720.7	670.2	638.0	617.1	601.0	592.9	588.7
52.5°	650.3	608.8	581.8	565.1	554.2	548.3	546.5
55°	560.2	528.5	511.3	496.9	488.8	483.4	481.2
57.5°	487.0	462.5	448.6	436.7	433.5	429.0	427.5
60°	438.8	420.0	408.2	400.1	397.5	392.0	393.1
62.5°	396.3	380.9	370.8	366.2	362.6	358.1	359.6
65°	335.2	323.9	318.5	314.2	309.9	307.2	309.3
67.5°	281.2	273.5	266.2	263.7	261.6	261.2	258.8
70°	246.0	239.5	233.1	231.5	231.5	229.3	228.8
72.5°	212.1	207.3	203.0	201.9	200.2	201.0	198.7
75°	163.8	160.1	158.4	156.8	156.3	156.3	154.7
77.5°	121.1	118.3	115.7	115.7	113.7	113.0	112.8
80°	91.8	90.8	88.7	88.7	87.6	88.1	87.1
82.5°	69.1	67.6	67.2	66.2	64.7	64.8	63.8
85°	37.1	35.4	34.9	33.3	32.2	33.3	32.2
87.5°	18.2	18.0	17.7	17.0	16.6	16.7	15.5
90°	26.3	27.6	28.5	28.9	29.4	29.8	30.2
92.5°	25.4	26.8	27.5	27.6	27.7	27.8	27.9
95°	26.3	27.6	28.4	28.6	28.8	29.0	29.2
97.5°	27.1	27.2	27.4	27.6	27.8	28.0	28.3
100°	32.9	29.1	27.4	27.6	27.8	28.0	28.3
102.5°	90.5	49.4	28.9	28.9	29.0	29.0	29.1
105°	320.5	322.6	319.6	311.5	303.5	295.4	287.3
107.5°	395.2	396.1	397.0	397.9	398.7	399.6	400.4
110°	446.0	446.4	447.0	447.6	448.3	449.0	449.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	495.1	495.0	495.4	496.2	497.2	498.0	498.8
115°	570.0	570.4	570.6	570.6	570.6	570.6	570.6
117.5°	644.1	644.0	644.0	643.9	643.8	643.7	643.6
120°	690.8	691.4	691.4	690.8	690.4	690.0	689.5
122.5°	736.3	736.6	736.5	736.1	735.6	735.2	734.7
125°	800.4	801.1	801.5	801.8	802.0	802.2	802.4
127.5°	862.9	862.8	862.6	862.5	862.3	862.1	861.9
130°	901.9	902.1	902.3	902.3	902.3	902.3	902.3
132.5°	939.9	940.1	940.1	939.9	939.7	939.6	939.4
135°	992.3	992.8	993.2	993.7	994.1	994.5	995.0
137.5°	1042.5	1043.0	1043.1	1043.0	1042.9	1042.7	1042.6
140°	1073.7	1074.3	1074.8	1075.0	1075.2	1075.4	1075.7
142.5°	1102.2	1102.7	1102.9	1103.0	1103.0	1103.1	1103.1
145°	1142.9	1143.1	1143.5	1143.9	1144.3	1144.8	1145.2
147.5°	1178.8	1179.0	1179.2	1179.4	1179.6	1179.9	1180.1
150°	1201.6	1201.6	1201.7	1202.0	1202.2	1202.4	1202.6
152.5°	1222.1	1222.4	1222.5	1222.4	1222.3	1222.1	1222.0
155°	1249.7	1250.6	1250.7	1250.1	1249.4	1248.7	1248.1
157.5°	1273.3	1274.4	1274.4	1273.3	1272.1	1271.0	1269.8
160°	1288.4	1289.7	1289.7	1288.4	1287.1	1285.7	1284.3
162.5°	1300.5	1301.8	1301.7	1300.2	1298.7	1297.2	1295.7
165°	1318.0	1319.7	1319.6	1317.6	1315.6	1313.5	1311.5
167.5°	1330.6	1332.5	1332.4	1330.2	1328.0	1325.6	1323.4
170°	1338.1	1339.9	1339.7	1337.5	1335.2	1332.9	1330.7
172.5°	1342.9	1344.7	1344.4	1342.0	1339.6	1337.2	1334.7
175°	1348.9	1350.9	1350.5	1347.9	1345.1	1342.5	1339.8
177.5°	1350.5	1352.0	1351.6	1349.5	1347.4	1345.1	1343.0
180°	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9	1347.9

(END OF REPORT)