

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: P333418-940

Luminaire Tested: **S125DIW-S850D1340U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333418-940  
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-S850D1340U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 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: 7864.3 lumens  
Efficiency: N/A  
Efficacy: 128.1 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

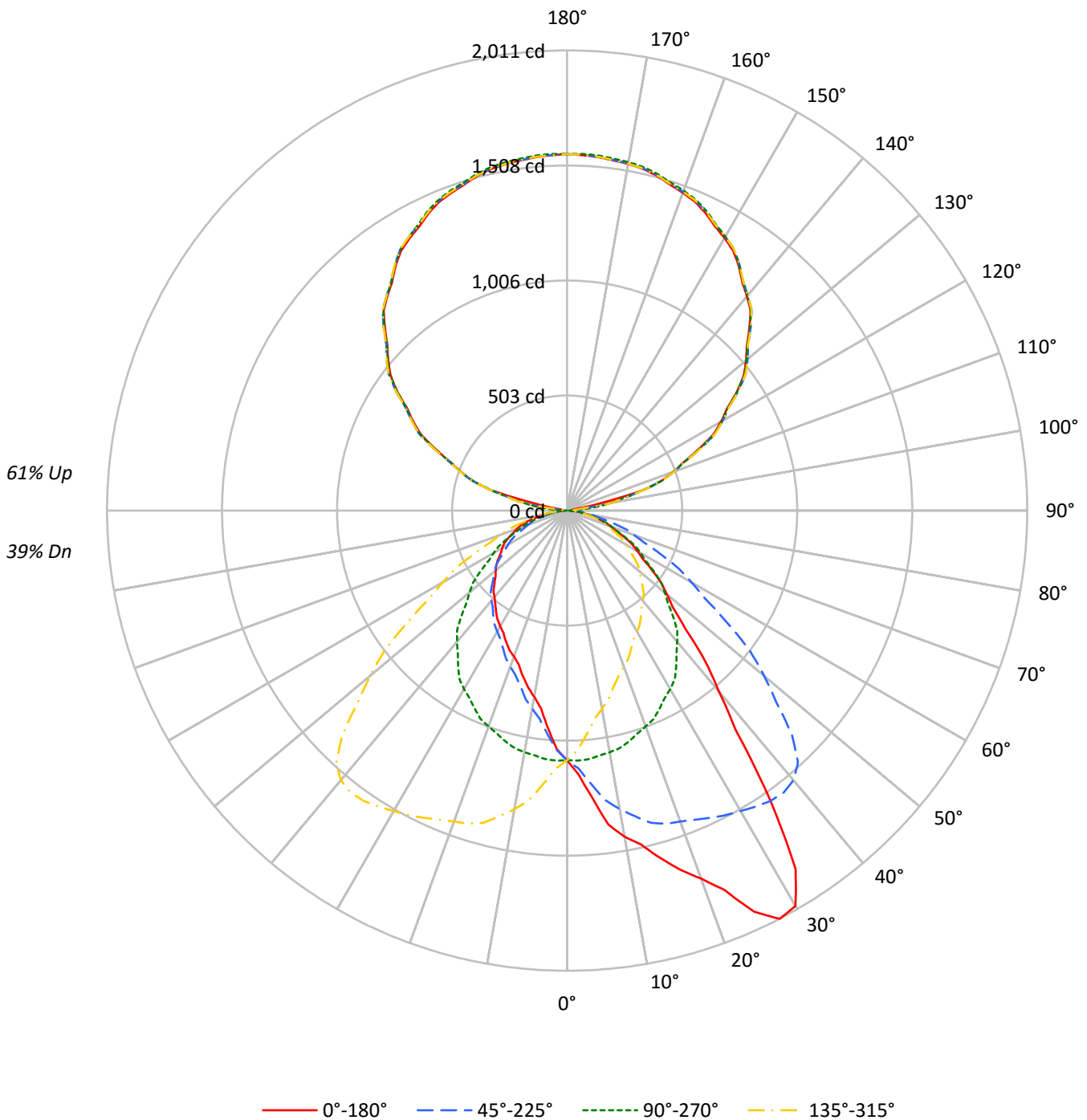
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	90°	180°	270°
0°	7045	7045	7045	7045
5°	8159	7069	6190	7069
10°	9492	7033	5423	7033
15°	10508	6981	5003	6981
20°	11762	6899	4665	6899
25°	13779	6807	4501	6807
30°	14882	6716	4357	6716
35°	12236	6545	4264	6545
40°	8697	6308	4161	6308
45°	6682	5989	4103	5989
50°	5704	5591	4093	5591
55°	5078	5203	4130	5203
60°	4580	4779	4234	4779
65°	4232	4351	4345	4351
70°	3848	3909	4407	3909
75°	3399	3441	4367	3441
80°	2860	2804	3998	2804
85°	2267	2023	3223	2023



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	1.3
10°-20°	312.7	4.0
20°-30°	507.7	6.5
30°-40°	619.3	7.9
40°-50°	563.4	7.2
50°-60°	448.8	5.7
60°-70°	312.6	4.0
70°-80°	166.7	2.1
80°-90°	45.3	0.6
90°-100°	56.6	0.7
100°-110°	348.8	4.4
110°-120°	632.6	8.0
120°-130°	811.9	10.3
130°-140°	873.3	11.1
140°-150°	819.7	10.4
150°-160°	663.1	8.4
160°-170°	428.8	5.5
170°-180°	147.9	1.9
0°-30°	925.4	11.8
0°-40°	1544.8	19.6
0°-60°	2556.9	32.5
0°-90°	3081.5	39.2
90°-120°	1038.1	13.2
90°-150°	3542.9	45.1
90°-180°	4783.0	60.8
0°-180°	7864.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1258	1090	955	1090	1258	127
15°	1572	1044	748	1044	1572	450
25°	1934	955	632	955	1934	883
35°	1552	830	541	830	1552	950
45°	732	656	449	656	732	586
55°	451	462	367	462	451	406
65°	277	285	284	285	277	275
75°	136	138	175	138	136	147
85°	31	27	44	27	31	36
90°	28	1	28	1	28	13
95°	24	66	24	66	24	20
105°	343	340	343	340	343	310
115°	633	637	633	637	633	628
125°	906	906	906	906	906	806
135°	1126	1130	1126	1130	1126	869
145°	1307	1310	1307	1310	1307	816
155°	1433	1443	1433	1443	1433	660
165°	1515	1523	1515	1523	1515	427
175°	1550	1558	1550	1558	1550	148
180°	1558	1558	1558	1558	1558	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1153.9	1152.4	1150.9	1147.9	1150.1	1143.9	1140.9	1135.7	1129.4	1127.2	1124.6
5°	1258.5	1260.8	1263.1	1253.4	1254.4	1247.9	1233.1	1221.0	1211.3	1198.8	1190.0
7.5°	1384.5	1378.9	1378.5	1372.3	1361.4	1352.7	1337.1	1317.3	1298.2	1276.3	1258.2
10°	1447.4	1447.9	1443.7	1436.3	1424.8	1416.4	1396.1	1376.5	1353.0	1325.2	1305.3
12.5°	1494.9	1496.7	1491.5	1481.5	1475.9	1457.1	1441.2	1418.1	1390.0	1367.8	1337.5
15°	1571.6	1566.4	1562.7	1550.2	1540.5	1521.1	1495.6	1471.5	1440.9	1412.6	1384.5
17.5°	1645.4	1649.5	1642.5	1631.1	1601.0	1578.2	1544.1	1511.1	1473.1	1435.2	1401.5
20°	1711.4	1715.0	1704.4	1684.5	1648.4	1625.7	1580.7	1538.2	1494.2	1445.6	1408.5
22.5°	1793.6	1790.6	1776.3	1746.0	1714.7	1672.8	1624.1	1572.3	1517.2	1462.2	1413.0
25°	1933.6	1914.1	1905.3	1867.9	1826.7	1765.1	1698.4	1622.5	1553.9	1481.2	1418.3
27.5°	2011.2	2005.1	1995.3	1969.2	1925.8	1860.0	1781.4	1688.8	1592.1	1500.4	1418.0
30°	1995.6	1996.5	1997.5	1989.1	1961.4	1911.8	1833.6	1734.0	1619.2	1515.9	1420.6
32.5°	1857.9	1874.7	1890.8	1909.9	1917.6	1908.2	1859.1	1769.2	1651.1	1533.7	1419.1
35°	1552.0	1557.2	1609.4	1661.3	1731.7	1786.4	1822.9	1783.2	1683.6	1548.8	1417.3
37.5°	1210.1	1235.2	1271.4	1330.0	1431.6	1522.5	1639.5	1693.3	1661.2	1553.7	1414.1
40°	1031.6	1054.8	1078.3	1138.1	1223.8	1334.0	1466.9	1580.3	1606.7	1538.2	1402.9
42.5°	893.9	912.1	938.3	983.3	1054.9	1152.4	1279.4	1427.7	1518.9	1493.0	1379.7
45°	731.6	743.2	763.6	799.2	851.0	927.5	1039.5	1201.6	1342.7	1389.6	1324.3
47.5°	626.2	626.1	641.9	666.6	704.0	768.9	851.8	978.7	1129.6	1241.2	1236.0
50°	567.7	565.3	577.8	599.1	628.7	671.8	751.0	852.4	997.4	1123.7	1159.0
52.5°	517.3	517.5	525.2	541.0	565.8	602.6	661.7	753.1	877.0	1006.7	1073.0
55°	451.0	449.2	457.9	468.6	486.6	510.7	553.3	623.2	723.7	851.5	937.6
57.5°	390.2	395.3	398.9	406.3	421.2	437.4	473.3	524.6	604.3	714.0	805.0
60°	354.6	359.8	362.6	370.0	382.0	395.9	423.7	465.4	532.4	627.0	717.2
62.5°	322.8	326.8	327.7	334.4	344.2	357.8	379.6	414.6	467.6	550.3	638.7
65°	276.9	276.9	278.7	285.7	290.3	302.4	319.1	344.5	387.1	451.5	526.9
67.5°	232.6	234.9	234.3	237.5	241.7	251.0	263.0	284.0	315.6	362.6	422.9
70°	203.8	205.5	205.1	207.4	212.0	218.1	227.8	247.7	270.4	310.7	362.6
72.5°	177.8	178.5	177.4	180.4	183.2	188.4	199.3	209.9	231.1	265.1	307.7
75°	136.2	137.1	137.9	139.8	142.6	145.3	151.0	161.6	175.5	201.0	228.3
77.5°	102.0	100.3	102.5	102.3	103.8	105.9	110.8	116.5	127.9	144.0	165.1
80°	76.9	77.3	77.3	77.8	80.1	81.5	85.7	89.8	98.6	110.7	125.5
82.5°	56.1	57.3	56.6	57.4	59.4	60.4	62.7	66.1	71.2	80.7	91.4
85°	30.6	28.3	29.2	30.1	30.1	30.6	32.4	33.8	36.6	40.3	44.4
87.5°	14.4	15.0	15.2	15.1	15.3	15.1	16.3	16.1	16.9	17.7	18.9
90°	27.7	26.9	26.1	25.4	24.6	23.6	22.3	21.0	19.8	18.5	16.7
92.5°	25.9	25.5	25.1	24.8	24.4	23.6	22.3	21.0	19.8	18.5	16.9
95°	24.3	24.3	24.3	24.3	24.3	23.6	22.3	21.0	19.8	18.5	28.2
97.5°	24.3	24.3	24.3	24.3	24.3	27.8	35.1	42.4	49.6	56.8	76.1
100°	24.3	25.2	26.3	27.3	28.4	48.0	86.2	124.4	162.6	200.9	199.8
102.5°	145.3	162.6	180.1	197.6	215.0	227.4	234.6	241.8	249.1	256.3	255.7
105°	342.9	343.1	343.4	343.7	343.9	344.0	344.0	344.0	344.0	344.0	344.0
107.5°	432.3	433.0	433.8	434.5	435.3	435.7	435.7	435.6	435.5	435.5	435.0
110°	494.2	493.9	493.7	493.4	493.1	493.4	494.2	494.9	495.7	496.4	496.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	549.6	549.9	550.3	550.6	551.0	551.7	552.7	553.6	554.6	555.5	555.3
115°	632.7	634.2	635.8	637.3	638.8	640.2	641.1	642.2	643.2	644.3	644.0
117.5°	721.4	722.0	722.7	723.4	724.0	725.1	726.4	727.7	729.1	730.4	729.4
120°	775.9	777.1	778.4	779.7	781.0	781.9	782.4	782.9	783.5	783.9	783.2
122.5°	827.6	829.0	830.5	832.1	833.5	834.6	835.0	835.5	836.1	836.6	836.2
125°	906.3	907.0	907.9	908.7	909.4	910.3	911.3	912.3	913.4	914.4	914.4
127.5°	972.6	974.5	976.4	978.3	980.2	981.4	982.0	982.6	983.1	983.6	983.8
130°	1020.7	1021.9	1023.1	1024.5	1025.7	1026.8	1027.5	1028.3	1029.1	1029.8	1029.6
132.5°	1065.0	1066.2	1067.6	1068.8	1070.1	1070.8	1070.9	1071.1	1071.3	1071.4	1072.0
135°	1125.7	1127.2	1128.7	1130.3	1131.8	1132.8	1133.4	1133.9	1134.4	1134.9	1135.4
137.5°	1186.6	1187.9	1189.3	1190.6	1191.9	1192.6	1192.5	1192.4	1192.3	1192.2	1192.7
140°	1222.6	1224.2	1225.7	1227.3	1228.8	1229.3	1228.8	1228.3	1227.8	1227.3	1227.5
142.5°	1256.9	1258.4	1259.9	1261.4	1263.0	1263.7	1263.6	1263.5	1263.4	1263.3	1262.9
145°	1307.0	1308.5	1310.0	1311.5	1313.1	1313.8	1313.5	1313.2	1313.0	1312.7	1312.7
147.5°	1348.3	1350.1	1351.9	1353.8	1355.7	1356.5	1356.1	1355.8	1355.5	1355.2	1354.9
150°	1375.0	1377.1	1379.1	1381.2	1383.2	1384.0	1383.5	1383.0	1382.5	1382.0	1381.4
152.5°	1400.0	1401.9	1403.7	1405.5	1407.4	1408.0	1407.6	1407.0	1406.5	1406.0	1405.5
155°	1432.8	1434.9	1436.9	1439.0	1441.0	1441.6	1440.8	1440.1	1439.3	1438.6	1438.1
157.5°	1460.3	1462.3	1464.4	1466.4	1468.5	1469.1	1468.3	1467.5	1466.6	1465.8	1465.8
160°	1477.8	1479.9	1481.9	1484.0	1486.0	1486.6	1485.5	1484.5	1483.5	1482.5	1482.2
162.5°	1493.5	1495.8	1498.0	1500.3	1502.5	1503.0	1501.6	1500.0	1498.6	1497.2	1496.9
165°	1514.7	1516.8	1518.9	1520.9	1523.0	1523.2	1521.7	1520.1	1518.6	1517.1	1516.8
167.5°	1529.6	1531.9	1534.2	1536.4	1538.7	1539.0	1537.1	1535.3	1533.5	1531.6	1531.3
170°	1537.8	1540.2	1542.5	1544.8	1547.1	1547.2	1545.2	1543.1	1541.1	1539.0	1538.7
172.5°	1543.4	1545.7	1548.0	1550.3	1552.6	1552.8	1551.0	1549.2	1547.3	1545.4	1545.0
175°	1550.5	1552.8	1555.1	1557.5	1559.8	1559.9	1557.8	1555.8	1553.7	1551.7	1551.5
177.5°	1554.7	1556.3	1558.0	1559.6	1561.3	1561.4	1560.0	1558.5	1557.1	1555.6	1555.4
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1122.4	1119.8	1116.8	1111.6	1105.4	1102.0	1096.8	1093.5	1086.8	1081.3	1075.3
5°	1179.3	1167.2	1156.2	1141.8	1126.1	1115.9	1103.8	1090.4	1076.6	1062.2	1046.4
7.5°	1238.3	1217.0	1193.8	1168.9	1144.6	1122.2	1100.8	1079.8	1060.2	1036.4	1016.4
10°	1277.9	1251.1	1222.4	1188.6	1155.7	1127.0	1097.9	1072.4	1046.4	1018.7	994.1
12.5°	1317.6	1281.8	1241.3	1204.2	1164.6	1130.0	1095.6	1063.1	1030.6	999.8	971.2
15°	1345.6	1314.0	1276.6	1223.8	1179.3	1131.7	1086.3	1044.1	1004.8	970.5	934.4
17.5°	1364.0	1323.4	1283.2	1232.5	1174.2	1120.9	1069.5	1021.3	976.9	933.4	898.7
20°	1367.3	1325.6	1283.5	1233.9	1174.2	1113.1	1061.8	1003.8	956.2	911.2	868.6
22.5°	1366.2	1319.0	1273.1	1222.1	1163.9	1107.6	1045.4	986.4	934.7	890.5	846.1
25°	1355.8	1305.3	1247.9	1196.5	1139.1	1079.3	1016.4	955.2	902.4	851.9	808.0
27.5°	1347.0	1281.6	1216.6	1156.6	1101.2	1046.4	986.1	923.5	865.0	813.9	772.4
30°	1336.3	1264.5	1191.3	1128.8	1071.9	1018.7	961.7	900.6	839.5	789.4	745.0
32.5°	1326.7	1243.0	1165.8	1097.8	1037.4	985.7	933.2	875.0	815.0	764.3	719.8
35°	1308.1	1211.3	1122.8	1046.0	981.6	928.4	884.4	830.2	775.1	726.0	683.4
37.5°	1284.4	1169.6	1074.7	994.1	923.5	867.5	826.5	784.9	732.0	684.7	646.2
40°	1265.9	1140.0	1039.5	957.1	884.0	825.5	787.6	748.2	704.3	660.3	619.6
42.5°	1242.6	1113.3	1004.0	915.3	842.8	786.0	746.1	712.7	673.9	632.8	595.0
45°	1199.7	1065.0	946.5	851.0	777.8	721.8	680.6	655.7	626.5	587.5	555.6
47.5°	1136.7	1006.9	884.3	785.9	710.3	658.4	619.8	595.8	575.2	546.4	517.4
50°	1080.7	963.6	839.5	741.7	666.3	613.9	578.4	556.5	539.0	516.7	492.2
52.5°	1018.1	909.1	795.4	698.8	624.1	572.5	537.6	518.4	503.8	487.9	463.7
55°	918.6	826.1	720.5	628.7	559.8	509.3	478.8	462.1	450.0	438.0	423.2
57.5°	809.0	736.6	643.1	559.4	495.8	449.9	421.3	405.1	395.8	389.6	380.8
60°	732.0	670.0	589.4	513.0	451.0	410.3	382.5	370.0	362.1	357.0	350.5
62.5°	660.6	609.7	534.9	465.2	411.0	372.5	347.7	335.6	328.0	325.5	320.1
65°	555.2	515.9	454.2	396.4	350.1	317.2	296.3	284.7	280.1	277.3	277.9
67.5°	451.4	427.4	377.9	328.6	291.6	264.0	247.4	238.4	236.1	232.5	232.4
70°	388.0	370.0	328.3	285.3	252.4	231.0	216.2	207.0	204.6	202.8	202.3
72.5°	332.1	316.3	280.1	245.6	216.1	197.3	185.1	179.6	175.8	174.7	174.6
75°	249.6	240.8	212.0	184.8	164.3	151.4	143.1	137.9	135.2	134.7	135.2
77.5°	177.5	169.8	151.5	132.2	119.3	109.5	102.5	100.7	97.6	97.6	97.1
80°	133.3	128.2	116.7	101.4	90.8	82.4	78.7	75.4	74.5	73.1	74.5
82.5°	96.7	91.2	83.4	73.7	64.8	59.8	56.1	55.1	54.6	53.9	54.2
85°	47.7	48.2	43.5	36.1	32.4	29.6	27.3	27.3	26.8	26.4	26.8
87.5°	19.3	18.2	16.3	14.8	12.6	11.1	10.3	10.3	9.5	9.5	10.3
90°	14.9	13.1	11.3	9.4	7.3	5.3	3.2	1.2	3.2	5.3	7.3
92.5°	15.2	13.7	12.1	12.0	13.5	14.9	16.3	17.7	16.3	14.9	13.5
95°	38.0	47.7	57.4	62.7	63.5	64.3	65.0	65.8	65.0	64.3	63.5
97.5°	95.4	114.7	133.9	142.9	141.5	140.2	138.8	137.4	138.8	140.2	141.5
100°	198.9	197.8	196.8	195.9	195.1	194.3	193.6	192.8	193.6	194.3	195.1
102.5°	255.1	254.5	253.9	253.1	252.1	251.1	250.1	249.1	250.1	251.1	252.1
105°	344.0	344.0	344.0	343.6	342.5	341.5	340.5	339.5	340.5	341.5	342.5
107.5°	434.4	434.0	433.5	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2
110°	495.4	494.9	494.4	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2





TEST NUMBER: P333418-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	554.9	554.6	554.4	553.8	553.2	552.7	552.1	551.4	552.1	552.7	553.2
115°	643.7	643.5	643.2	642.5	641.1	639.9	638.6	637.3	638.6	639.9	641.1
117.5°	728.4	727.5	726.5	726.0	726.0	726.1	726.1	726.2	726.1	726.1	726.0
120°	782.4	781.6	780.9	780.6	780.9	781.1	781.4	781.6	781.4	781.1	780.9
122.5°	835.9	835.5	835.2	834.5	833.5	832.5	831.5	830.5	831.5	832.5	833.5
125°	914.4	914.4	914.4	913.5	911.7	909.9	908.1	906.3	908.1	909.9	911.7
127.5°	984.0	984.1	984.3	983.7	982.4	981.1	979.9	978.6	979.9	981.1	982.4
130°	1029.3	1029.1	1028.9	1028.1	1026.8	1025.5	1024.2	1022.9	1024.2	1025.5	1026.8
132.5°	1072.5	1073.1	1073.7	1073.2	1071.7	1070.2	1068.7	1067.3	1068.7	1070.2	1071.7
135°	1136.0	1136.5	1136.9	1136.5	1134.9	1133.4	1131.8	1130.3	1131.8	1133.4	1134.9
137.5°	1193.1	1193.6	1194.0	1193.6	1192.2	1190.9	1189.5	1188.3	1189.5	1190.9	1192.2
140°	1227.8	1228.1	1228.3	1228.2	1227.6	1227.2	1226.6	1226.1	1226.6	1227.2	1227.6
142.5°	1262.6	1262.2	1261.9	1261.5	1261.2	1260.9	1260.6	1260.3	1260.6	1260.9	1261.2
145°	1312.7	1312.7	1312.7	1312.4	1312.0	1311.4	1310.9	1310.4	1310.9	1311.4	1312.0
147.5°	1354.6	1354.2	1354.0	1353.9	1354.0	1354.1	1354.2	1354.2	1354.2	1354.1	1354.0
150°	1381.0	1380.5	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0	1381.4	1381.0	1380.5
152.5°	1405.0	1404.4	1403.9	1404.3	1405.4	1406.5	1407.7	1408.7	1407.7	1406.5	1405.4
155°	1437.5	1437.0	1436.5	1437.0	1438.6	1440.1	1441.6	1443.1	1441.6	1440.1	1438.6
157.5°	1465.7	1465.6	1465.6	1466.1	1467.0	1467.8	1468.8	1469.7	1468.8	1467.8	1467.0
160°	1481.9	1481.7	1481.4	1482.0	1483.5	1485.1	1486.7	1488.2	1486.7	1485.1	1483.5
162.5°	1496.7	1496.5	1496.2	1496.8	1498.3	1499.9	1501.5	1503.0	1501.5	1499.9	1498.3
165°	1516.5	1516.3	1516.0	1516.7	1518.2	1519.7	1521.3	1522.9	1521.3	1519.7	1518.2
167.5°	1531.1	1530.8	1530.6	1531.2	1532.9	1534.5	1536.1	1537.6	1536.1	1534.5	1532.9
170°	1538.5	1538.2	1537.9	1538.7	1540.5	1542.3	1544.2	1546.0	1544.2	1542.3	1540.5
172.5°	1544.5	1544.1	1543.6	1544.3	1546.0	1547.9	1549.7	1551.5	1549.7	1547.9	1546.0
175°	1551.2	1551.0	1550.7	1551.3	1552.8	1554.4	1555.9	1557.5	1555.9	1554.4	1552.8
177.5°	1555.2	1555.1	1554.8	1555.3	1556.6	1557.8	1559.0	1560.2	1559.0	1557.8	1556.6
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1072.0	1067.9	1064.6	1057.2	1053.1	1047.6	1043.1	1047.9	1042.8	1045.0	1041.6
5°	1038.6	1025.6	1016.4	1002.9	991.3	980.7	972.9	971.4	967.7	965.9	960.3
7.5°	998.4	982.1	966.3	948.7	933.8	918.7	909.1	901.2	895.9	888.9	884.2
10°	974.6	952.9	934.4	913.1	894.6	878.3	865.4	858.9	852.9	844.1	840.9
12.5°	945.4	922.9	900.3	877.5	859.8	841.7	830.5	820.7	816.6	806.6	805.7
15°	910.3	876.6	854.3	831.2	806.6	791.8	782.5	771.9	767.2	760.3	755.2
17.5°	868.4	838.3	810.5	786.5	765.4	753.0	741.5	734.1	726.2	721.7	713.4
20°	838.1	809.4	781.6	756.1	739.9	725.6	716.3	709.4	701.1	698.7	690.4
22.5°	812.5	780.9	754.2	732.8	715.1	698.9	688.8	684.2	678.4	671.3	669.6
25°	771.0	738.1	715.4	694.1	678.3	663.5	656.6	650.6	645.0	639.9	638.0
27.5°	735.0	705.6	678.7	659.4	645.8	632.2	626.1	618.8	614.7	610.6	605.6
30°	709.8	679.8	656.1	637.6	622.8	610.7	604.2	599.1	595.5	591.7	589.0
32.5°	683.9	656.0	633.1	615.0	600.2	591.1	585.3	581.8	577.7	573.2	569.7
35°	649.6	619.0	596.8	581.1	569.5	562.6	556.1	552.9	548.2	548.2	544.5
37.5°	611.0	584.6	565.0	550.6	540.3	534.0	527.0	524.8	521.8	519.9	518.6
40°	588.1	563.5	545.0	530.7	519.5	514.4	508.9	505.2	503.3	501.0	500.1
42.5°	564.4	540.9	523.2	509.9	500.2	495.9	490.7	488.1	484.4	481.3	480.8
45°	528.3	505.6	489.5	478.8	470.5	465.4	462.1	456.6	454.7	451.0	450.5
47.5°	494.1	472.3	456.5	447.7	440.4	436.2	431.1	425.6	423.5	421.6	421.4
50°	468.6	448.7	433.8	425.5	418.6	412.6	407.4	403.8	402.3	402.3	403.3
52.5°	442.6	425.7	413.1	403.0	396.4	389.9	385.2	383.0	380.8	383.1	384.8
55°	404.7	387.5	378.3	368.5	362.1	354.6	352.4	351.4	350.1	353.7	355.6
57.5°	364.5	352.5	341.6	332.0	326.2	321.9	318.8	318.2	320.7	322.5	328.6
60°	338.9	325.0	315.3	307.9	301.0	298.2	297.3	296.3	298.2	303.3	311.1
62.5°	310.8	299.5	289.0	283.5	278.4	273.8	273.6	274.1	277.9	283.7	291.5
65°	269.5	259.8	252.8	246.3	242.2	239.4	240.3	242.2	246.3	254.2	263.0
67.5°	227.6	220.9	214.6	209.4	205.4	205.4	206.3	209.1	214.0	223.1	231.1
70°	200.5	193.1	188.0	185.7	182.4	180.6	183.3	188.0	192.2	200.5	207.4
72.5°	173.4	167.2	163.2	161.6	160.2	158.7	159.6	164.6	170.3	178.6	186.7
75°	133.3	131.0	128.2	126.4	125.0	125.9	126.9	131.5	136.2	144.9	154.2
77.5°	97.3	94.9	93.3	92.8	92.0	92.5	95.1	98.5	103.1	109.5	116.5
80°	73.7	72.7	71.8	71.3	71.3	71.8	75.4	77.8	81.9	88.0	93.5
82.5°	53.6	53.1	52.9	52.8	53.1	53.2	55.5	58.5	62.0	66.5	71.3
85°	28.3	27.3	28.7	29.2	28.3	29.6	30.6	32.4	33.8	36.1	38.4
87.5°	11.1	12.2	12.2	13.0	13.4	14.4	14.4	16.1	17.0	18.0	17.9
90°	9.4	11.3	13.1	14.9	16.7	18.5	19.8	21.0	22.3	23.6	24.6
92.5°	12.0	12.1	13.7	15.2	16.9	18.5	19.8	21.0	22.3	23.6	24.4
95°	62.7	57.4	47.7	38.0	28.2	18.5	19.8	21.0	22.3	23.6	24.3
97.5°	142.9	133.9	114.7	95.4	76.1	56.8	49.6	42.4	35.1	27.8	24.3
100°	195.9	196.8	197.8	198.9	199.8	200.9	162.6	124.4	86.2	48.0	28.4
102.5°	253.1	253.9	254.5	255.1	255.7	256.3	249.1	241.8	234.6	227.4	215.0
105°	343.6	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	343.9
107.5°	433.2	433.5	434.0	434.4	435.0	435.5	435.5	435.6	435.7	435.7	435.3
110°	494.2	494.4	494.9	495.4	496.0	496.4	495.7	494.9	494.2	493.4	493.1



TEST NUMBER: P333418-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	553.8	554.4	554.6	554.9	555.3	555.5	554.6	553.6	552.7	551.7	551.0
115°	642.5	643.2	643.5	643.7	644.0	644.3	643.2	642.2	641.1	640.2	638.8
117.5°	726.0	726.5	727.5	728.4	729.4	730.4	729.1	727.7	726.4	725.1	724.0
120°	780.6	780.9	781.6	782.4	783.2	783.9	783.5	782.9	782.4	781.9	781.0
122.5°	834.5	835.2	835.5	835.9	836.2	836.6	836.1	835.5	835.0	834.6	833.5
125°	913.5	914.4	914.4	914.4	914.4	914.4	913.4	912.3	911.3	910.3	909.4
127.5°	983.7	984.3	984.1	984.0	983.8	983.6	983.1	982.6	982.0	981.4	980.2
130°	1028.1	1028.9	1029.1	1029.3	1029.6	1029.8	1029.1	1028.3	1027.5	1026.8	1025.7
132.5°	1073.2	1073.7	1073.1	1072.5	1072.0	1071.4	1071.3	1071.1	1070.9	1070.8	1070.1
135°	1136.5	1136.9	1136.5	1136.0	1135.4	1134.9	1134.4	1133.9	1133.4	1132.8	1131.8
137.5°	1193.6	1194.0	1193.6	1193.1	1192.7	1192.2	1192.3	1192.4	1192.5	1192.6	1191.9
140°	1228.2	1228.3	1228.1	1227.8	1227.5	1227.3	1227.8	1228.3	1228.8	1229.3	1228.8
142.5°	1261.5	1261.9	1262.2	1262.6	1262.9	1263.3	1263.4	1263.5	1263.6	1263.7	1263.0
145°	1312.4	1312.7	1312.7	1312.7	1312.7	1312.7	1313.0	1313.2	1313.5	1313.8	1313.1
147.5°	1353.9	1354.0	1354.2	1354.6	1354.9	1355.2	1355.5	1355.8	1356.1	1356.5	1355.7
150°	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0	1382.5	1383.0	1383.5	1384.0	1383.2
152.5°	1404.3	1403.9	1404.4	1405.0	1405.5	1406.0	1406.5	1407.0	1407.6	1408.0	1407.4
155°	1437.0	1436.5	1437.0	1437.5	1438.1	1438.6	1439.3	1440.1	1440.8	1441.6	1441.0
157.5°	1466.1	1465.6	1465.6	1465.7	1465.8	1465.8	1466.6	1467.5	1468.3	1469.1	1468.5
160°	1482.0	1481.4	1481.7	1481.9	1482.2	1482.5	1483.5	1484.5	1485.5	1486.6	1486.0
162.5°	1496.8	1496.2	1496.5	1496.7	1496.9	1497.2	1498.6	1500.0	1501.6	1503.0	1502.5
165°	1516.7	1516.0	1516.3	1516.5	1516.8	1517.1	1518.6	1520.1	1521.7	1523.2	1523.0
167.5°	1531.2	1530.6	1530.8	1531.1	1531.3	1531.6	1533.5	1535.3	1537.1	1539.0	1538.7
170°	1538.7	1537.9	1538.2	1538.5	1538.7	1539.0	1541.1	1543.1	1545.2	1547.2	1547.1
172.5°	1544.3	1543.6	1544.1	1544.5	1545.0	1545.4	1547.3	1549.2	1551.0	1552.8	1552.6
175°	1551.3	1550.7	1551.0	1551.2	1551.5	1551.7	1553.7	1555.8	1557.8	1559.9	1559.8
177.5°	1555.3	1554.8	1555.1	1555.2	1555.4	1555.6	1557.1	1558.5	1560.0	1561.4	1561.3
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



TEST NUMBER: P333418-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1039.4	1042.0	1039.7	1042.8	1039.7	1042.0	1039.4	1041.6	1045.0	1042.8	1047.9
5°	958.0	953.9	956.6	954.8	956.6	953.9	958.0	960.3	965.9	967.7	971.4
7.5°	882.8	878.8	874.3	872.2	874.3	878.8	882.8	884.2	888.9	895.9	901.2
10°	835.8	830.6	830.2	827.0	830.2	830.6	835.8	840.9	844.1	852.9	858.9
12.5°	801.3	796.6	791.3	790.0	791.3	796.6	801.3	805.7	806.6	816.6	820.7
15°	752.4	748.7	745.5	748.2	745.5	748.7	752.4	755.2	760.3	767.2	771.9
17.5°	711.8	708.7	708.1	704.7	708.1	708.7	711.8	713.4	721.7	726.2	734.1
20°	686.2	683.9	684.8	678.8	684.8	683.9	686.2	690.4	698.7	701.1	709.4
22.5°	665.8	661.3	660.8	659.5	660.8	661.3	665.8	669.6	671.3	678.4	684.2
25°	633.9	631.6	629.3	631.6	629.3	631.6	633.9	638.0	639.9	645.0	650.6
27.5°	606.0	603.2	602.6	602.9	602.6	603.2	606.0	605.6	610.6	614.7	618.8
30°	589.0	584.3	584.8	584.3	584.8	584.3	589.0	589.0	591.7	595.5	599.1
32.5°	570.4	567.3	566.7	565.8	566.7	567.3	570.4	569.7	573.2	577.7	581.8
35°	543.1	543.1	540.8	540.8	540.8	543.1	543.1	544.5	548.2	548.2	552.9
37.5°	517.5	517.0	515.6	515.9	515.6	517.0	517.5	518.6	519.9	521.8	524.8
40°	498.2	497.8	496.3	493.6	496.3	497.8	498.2	500.1	501.0	503.3	505.2
42.5°	479.7	478.1	477.5	476.5	477.5	478.1	479.7	480.8	481.3	484.4	488.1
45°	450.5	450.5	449.6	449.2	449.6	450.5	450.5	450.5	451.0	454.7	456.6
47.5°	422.2	423.0	424.8	424.5	424.8	423.0	422.2	421.4	421.6	423.5	425.6
50°	405.1	405.6	407.0	407.4	407.0	405.6	405.1	403.3	402.3	402.3	403.8
52.5°	386.3	389.0	390.7	390.4	390.7	389.0	386.3	384.8	383.1	380.8	383.0
55°	359.8	363.0	366.2	366.8	366.2	363.0	359.8	355.6	353.7	350.1	351.4
57.5°	333.6	338.1	341.5	342.6	341.5	338.1	333.6	328.6	322.5	320.7	318.2
60°	315.8	321.8	326.0	327.8	326.0	321.8	315.8	311.1	303.3	298.2	296.3
62.5°	298.7	305.5	309.7	310.0	309.7	305.5	298.7	291.5	283.7	277.9	274.1
65°	270.9	277.9	281.5	284.3	281.5	277.9	270.9	263.0	254.2	246.3	242.2
67.5°	240.9	247.8	251.9	254.1	251.9	247.8	240.9	231.1	223.1	214.0	209.1
70°	219.0	226.0	231.5	233.4	231.5	226.0	219.0	207.4	200.5	192.2	188.0
72.5°	197.5	203.8	208.2	210.4	208.2	203.8	197.5	186.7	178.6	170.3	164.6
75°	160.2	168.5	172.7	175.0	172.7	168.5	160.2	154.2	144.9	136.2	131.5
77.5°	123.5	131.2	133.7	134.8	133.7	131.2	123.5	116.5	109.5	103.1	98.5
80°	99.1	103.7	106.9	107.5	106.9	103.7	99.1	93.5	88.0	81.9	77.8
82.5°	76.2	80.0	81.1	82.2	81.1	80.0	76.2	71.3	66.5	62.0	58.5
85°	41.6	43.5	44.0	43.5	44.0	43.5	41.6	38.4	36.1	33.8	32.4
87.5°	18.8	18.5	18.7	19.6	18.7	18.5	18.8	17.9	18.0	17.0	16.1
90°	25.4	26.1	26.9	27.7	26.9	26.1	25.4	24.6	23.6	22.3	21.0
92.5°	24.8	25.1	25.5	25.9	25.5	25.1	24.8	24.4	23.6	22.3	21.0
95°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	23.6	22.3	21.0
97.5°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	27.8	35.1	42.4
100°	27.3	26.3	25.2	24.3	25.2	26.3	27.3	28.4	48.0	86.2	124.4
102.5°	197.6	180.1	162.6	145.3	162.6	180.1	197.6	215.0	227.4	234.6	241.8
105°	343.7	343.4	343.1	342.9	343.1	343.4	343.7	343.9	344.0	344.0	344.0
107.5°	434.5	433.8	433.0	432.3	433.0	433.8	434.5	435.3	435.7	435.7	435.6
110°	493.4	493.7	493.9	494.2	493.9	493.7	493.4	493.1	493.4	494.2	494.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	550.6	550.3	549.9	549.6	549.9	550.3	550.6	551.0	551.7	552.7	553.6
115°	637.3	635.8	634.2	632.7	634.2	635.8	637.3	638.8	640.2	641.1	642.2
117.5°	723.4	722.7	722.0	721.4	722.0	722.7	723.4	724.0	725.1	726.4	727.7
120°	779.7	778.4	777.1	775.9	777.1	778.4	779.7	781.0	781.9	782.4	782.9
122.5°	832.1	830.5	829.0	827.6	829.0	830.5	832.1	833.5	834.6	835.0	835.5
125°	908.7	907.9	907.0	906.3	907.0	907.9	908.7	909.4	910.3	911.3	912.3
127.5°	978.3	976.4	974.5	972.6	974.5	976.4	978.3	980.2	981.4	982.0	982.6
130°	1024.5	1023.1	1021.9	1020.7	1021.9	1023.1	1024.5	1025.7	1026.8	1027.5	1028.3
132.5°	1068.8	1067.6	1066.2	1065.0	1066.2	1067.6	1068.8	1070.1	1070.8	1070.9	1071.1
135°	1130.3	1128.7	1127.2	1125.7	1127.2	1128.7	1130.3	1131.8	1132.8	1133.4	1133.9
137.5°	1190.6	1189.3	1187.9	1186.6	1187.9	1189.3	1190.6	1191.9	1192.6	1192.5	1192.4
140°	1227.3	1225.7	1224.2	1222.6	1224.2	1225.7	1227.3	1228.8	1229.3	1228.8	1228.3
142.5°	1261.4	1259.9	1258.4	1256.9	1258.4	1259.9	1261.4	1263.0	1263.7	1263.6	1263.5
145°	1311.5	1310.0	1308.5	1307.0	1308.5	1310.0	1311.5	1313.1	1313.8	1313.5	1313.2
147.5°	1353.8	1351.9	1350.1	1348.3	1350.1	1351.9	1353.8	1355.7	1356.5	1356.1	1355.8
150°	1381.2	1379.1	1377.1	1375.0	1377.1	1379.1	1381.2	1383.2	1384.0	1383.5	1383.0
152.5°	1405.5	1403.7	1401.9	1400.0	1401.9	1403.7	1405.5	1407.4	1408.0	1407.6	1407.0
155°	1439.0	1436.9	1434.9	1432.8	1434.9	1436.9	1439.0	1441.0	1441.6	1440.8	1440.1
157.5°	1466.4	1464.4	1462.3	1460.3	1462.3	1464.4	1466.4	1468.5	1469.1	1468.3	1467.5
160°	1484.0	1481.9	1479.9	1477.8	1479.9	1481.9	1484.0	1486.0	1486.6	1485.5	1484.5
162.5°	1500.3	1498.0	1495.8	1493.5	1495.8	1498.0	1500.3	1502.5	1503.0	1501.6	1500.0
165°	1520.9	1518.9	1516.8	1514.7	1516.8	1518.9	1520.9	1523.0	1523.2	1521.7	1520.1
167.5°	1536.4	1534.2	1531.9	1529.6	1531.9	1534.2	1536.4	1538.7	1539.0	1537.1	1535.3
170°	1544.8	1542.5	1540.2	1537.8	1540.2	1542.5	1544.8	1547.1	1547.2	1545.2	1543.1
172.5°	1550.3	1548.0	1545.7	1543.4	1545.7	1548.0	1550.3	1552.6	1552.8	1551.0	1549.2
175°	1557.5	1555.1	1552.8	1550.5	1552.8	1555.1	1557.5	1559.8	1559.9	1557.8	1555.8
177.5°	1559.6	1558.0	1556.3	1554.7	1556.3	1558.0	1559.6	1561.3	1561.4	1560.0	1558.5
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1043.1	1047.6	1053.1	1057.2	1064.6	1067.9	1072.0	1075.3	1081.3	1086.8	1093.5
5°	972.9	980.7	991.3	1002.9	1016.4	1025.6	1038.6	1046.4	1062.2	1076.6	1090.4
7.5°	909.1	918.7	933.8	948.7	966.3	982.1	998.4	1016.4	1036.4	1060.2	1079.8
10°	865.4	878.3	894.6	913.1	934.4	952.9	974.6	994.1	1018.7	1046.4	1072.4
12.5°	830.5	841.7	859.8	877.5	900.3	922.9	945.4	971.2	999.8	1030.6	1063.1
15°	782.5	791.8	806.6	831.2	854.3	876.6	910.3	934.4	970.5	1004.8	1044.1
17.5°	741.5	753.0	765.4	786.5	810.5	838.3	868.4	898.7	933.4	976.9	1021.3
20°	716.3	725.6	739.9	756.1	781.6	809.4	838.1	868.6	911.2	956.2	1003.8
22.5°	688.8	698.9	715.1	732.8	754.2	780.9	812.5	846.1	890.5	934.7	986.4
25°	656.6	663.5	678.3	694.1	715.4	738.1	771.0	808.0	851.9	902.4	955.2
27.5°	626.1	632.2	645.8	659.4	678.7	705.6	735.0	772.4	813.9	865.0	923.5
30°	604.2	610.7	622.8	637.6	656.1	679.8	709.8	745.0	789.4	839.5	900.6
32.5°	585.3	591.1	600.2	615.0	633.1	656.0	683.9	719.8	764.3	815.0	875.0
35°	556.1	562.6	569.5	581.1	596.8	619.0	649.6	683.4	726.0	775.1	830.2
37.5°	527.0	534.0	540.3	550.6	565.0	584.6	611.0	646.2	684.7	732.0	784.9
40°	508.9	514.4	519.5	530.7	545.0	563.5	588.1	619.6	660.3	704.3	748.2
42.5°	490.7	495.9	500.2	509.9	523.2	540.9	564.4	595.0	632.8	673.9	712.7
45°	462.1	465.4	470.5	478.8	489.5	505.6	528.3	555.6	587.5	626.5	655.7
47.5°	431.1	436.2	440.4	447.7	456.5	472.3	494.1	517.4	546.4	575.2	595.8
50°	407.4	412.6	418.6	425.5	433.8	448.7	468.6	492.2	516.7	539.0	556.5
52.5°	385.2	389.9	396.4	403.0	413.1	425.7	442.6	463.7	487.9	503.8	518.4
55°	352.4	354.6	362.1	368.5	378.3	387.5	404.7	423.2	438.0	450.0	462.1
57.5°	318.8	321.9	326.2	332.0	341.6	352.5	364.5	380.8	389.6	395.8	405.1
60°	297.3	298.2	301.0	307.9	315.3	325.0	338.9	350.5	357.0	362.1	370.0
62.5°	273.6	273.8	278.4	283.5	289.0	299.5	310.8	320.1	325.5	328.0	335.6
65°	240.3	239.4	242.2	246.3	252.8	259.8	269.5	277.9	277.3	280.1	284.7
67.5°	206.3	205.4	205.4	209.4	214.6	220.9	227.6	232.4	232.5	236.1	238.4
70°	183.3	180.6	182.4	185.7	188.0	193.1	200.5	202.3	202.8	204.6	207.0
72.5°	159.6	158.7	160.2	161.6	163.2	167.2	173.4	174.6	174.7	175.8	179.6
75°	126.9	125.9	125.0	126.4	128.2	131.0	133.3	135.2	134.7	135.2	137.9
77.5°	95.1	92.5	92.0	92.8	93.3	94.9	97.3	97.1	97.6	97.6	100.7
80°	75.4	71.8	71.3	71.3	71.8	72.7	73.7	74.5	73.1	74.5	75.4
82.5°	55.5	53.2	53.1	52.8	52.9	53.1	53.6	54.2	53.9	54.6	55.1
85°	30.6	29.6	28.3	29.2	28.7	27.3	28.3	26.8	26.4	26.8	27.3
87.5°	14.4	14.4	13.4	13.0	12.2	12.2	11.1	10.3	9.5	9.5	10.3
90°	19.8	18.5	16.7	14.9	13.1	11.3	9.4	7.3	5.3	3.2	1.2
92.5°	19.8	18.5	16.9	15.2	13.7	12.1	12.0	13.5	14.9	16.3	17.7
95°	19.8	18.5	28.2	38.0	47.7	57.4	62.7	63.5	64.3	65.0	65.8
97.5°	49.6	56.8	76.1	95.4	114.7	133.9	142.9	141.5	140.2	138.8	137.4
100°	162.6	200.9	199.8	198.9	197.8	196.8	195.9	195.1	194.3	193.6	192.8
102.5°	249.1	256.3	255.7	255.1	254.5	253.9	253.1	252.1	251.1	250.1	249.1
105°	344.0	344.0	344.0	344.0	344.0	344.0	343.6	342.5	341.5	340.5	339.5
107.5°	435.5	435.5	435.0	434.4	434.0	433.5	433.2	433.2	433.2	433.2	433.2
110°	495.7	496.4	496.0	495.4	494.9	494.4	494.2	494.2	494.2	494.2	494.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	554.6	555.5	555.3	554.9	554.6	554.4	553.8	553.2	552.7	552.1	551.4
115°	643.2	644.3	644.0	643.7	643.5	643.2	642.5	641.1	639.9	638.6	637.3
117.5°	729.1	730.4	729.4	728.4	727.5	726.5	726.0	726.0	726.1	726.1	726.2
120°	783.5	783.9	783.2	782.4	781.6	780.9	780.6	780.9	781.1	781.4	781.6
122.5°	836.1	836.6	836.2	835.9	835.5	835.2	834.5	833.5	832.5	831.5	830.5
125°	913.4	914.4	914.4	914.4	914.4	914.4	913.5	911.7	909.9	908.1	906.3
127.5°	983.1	983.6	983.8	984.0	984.1	984.3	983.7	982.4	981.1	979.9	978.6
130°	1029.1	1029.8	1029.6	1029.3	1029.1	1028.9	1028.1	1026.8	1025.5	1024.2	1022.9
132.5°	1071.3	1071.4	1072.0	1072.5	1073.1	1073.7	1073.2	1071.7	1070.2	1068.7	1067.3
135°	1134.4	1134.9	1135.4	1136.0	1136.5	1136.9	1136.5	1134.9	1133.4	1131.8	1130.3
137.5°	1192.3	1192.2	1192.7	1193.1	1193.6	1194.0	1193.6	1192.2	1190.9	1189.5	1188.3
140°	1227.8	1227.3	1227.5	1227.8	1228.1	1228.3	1228.2	1227.6	1227.2	1226.6	1226.1
142.5°	1263.4	1263.3	1262.9	1262.6	1262.2	1261.9	1261.5	1261.2	1260.9	1260.6	1260.3
145°	1313.0	1312.7	1312.7	1312.7	1312.7	1312.7	1312.4	1312.0	1311.4	1310.9	1310.4
147.5°	1355.5	1355.2	1354.9	1354.6	1354.2	1354.0	1353.9	1354.0	1354.1	1354.2	1354.2
150°	1382.5	1382.0	1381.4	1381.0	1380.5	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0
152.5°	1406.5	1406.0	1405.5	1405.0	1404.4	1403.9	1404.3	1405.4	1406.5	1407.7	1408.7
155°	1439.3	1438.6	1438.1	1437.5	1437.0	1436.5	1437.0	1438.6	1440.1	1441.6	1443.1
157.5°	1466.6	1465.8	1465.8	1465.7	1465.6	1465.6	1466.1	1467.0	1467.8	1468.8	1469.7
160°	1483.5	1482.5	1482.2	1481.9	1481.7	1481.4	1482.0	1483.5	1485.1	1486.7	1488.2
162.5°	1498.6	1497.2	1496.9	1496.7	1496.5	1496.2	1496.8	1498.3	1499.9	1501.5	1503.0
165°	1518.6	1517.1	1516.8	1516.5	1516.3	1516.0	1516.7	1518.2	1519.7	1521.3	1522.9
167.5°	1533.5	1531.6	1531.3	1531.1	1530.8	1530.6	1531.2	1532.9	1534.5	1536.1	1537.6
170°	1541.1	1539.0	1538.7	1538.5	1538.2	1537.9	1538.7	1540.5	1542.3	1544.2	1546.0
172.5°	1547.3	1545.4	1545.0	1544.5	1544.1	1543.6	1544.3	1546.0	1547.9	1549.7	1551.5
175°	1553.7	1551.7	1551.5	1551.2	1551.0	1550.7	1551.3	1552.8	1554.4	1555.9	1557.5
177.5°	1557.1	1555.6	1555.4	1555.2	1555.1	1554.8	1555.3	1556.6	1557.8	1559.0	1560.2
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



TEST NUMBER: P333418-940

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1096.8	1102.0	1105.4	1111.6	1116.8	1119.8	1122.4	1124.6	1127.2	1129.4	1135.7
5°	1103.8	1115.9	1126.1	1141.8	1156.2	1167.2	1179.3	1190.0	1198.8	1211.3	1221.0
7.5°	1100.8	1122.2	1144.6	1168.9	1193.8	1217.0	1238.3	1258.2	1276.3	1298.2	1317.3
10°	1097.9	1127.0	1155.7	1188.6	1222.4	1251.1	1277.9	1305.3	1325.2	1353.0	1376.5
12.5°	1095.6	1130.0	1164.6	1204.2	1241.3	1281.8	1317.6	1337.5	1367.8	1390.0	1418.1
15°	1086.3	1131.7	1179.3	1223.8	1276.6	1314.0	1345.6	1384.5	1412.6	1440.9	1471.5
17.5°	1069.5	1120.9	1174.2	1232.5	1283.2	1323.4	1364.0	1401.5	1435.2	1473.1	1511.1
20°	1061.8	1113.1	1174.2	1233.9	1283.5	1325.6	1367.3	1408.5	1445.6	1494.2	1538.2
22.5°	1045.4	1107.6	1163.9	1222.1	1273.1	1319.0	1366.2	1413.0	1462.2	1517.2	1572.3
25°	1016.4	1079.3	1139.1	1196.5	1247.9	1305.3	1355.8	1418.3	1481.2	1553.9	1622.5
27.5°	986.1	1046.4	1101.2	1156.6	1216.6	1281.6	1347.0	1418.0	1500.4	1592.1	1688.8
30°	961.7	1018.7	1071.9	1128.8	1191.3	1264.5	1336.3	1420.6	1515.9	1619.2	1734.0
32.5°	933.2	985.7	1037.4	1097.8	1165.8	1243.0	1326.7	1419.1	1533.7	1651.1	1769.2
35°	884.4	928.4	981.6	1046.0	1122.8	1211.3	1308.1	1417.3	1548.8	1683.6	1783.2
37.5°	826.5	867.5	923.5	994.1	1074.7	1169.6	1284.4	1414.1	1553.7	1661.2	1693.3
40°	787.6	825.5	884.0	957.1	1039.5	1140.0	1265.9	1402.9	1538.2	1606.7	1580.3
42.5°	746.1	786.0	842.8	915.3	1004.0	1113.3	1242.6	1379.7	1493.0	1518.9	1427.7
45°	680.6	721.8	777.8	851.0	946.5	1065.0	1199.7	1324.3	1389.6	1342.7	1201.6
47.5°	619.8	658.4	710.3	785.9	884.3	1006.9	1136.7	1236.0	1241.2	1129.6	978.7
50°	578.4	613.9	666.3	741.7	839.5	963.6	1080.7	1159.0	1123.7	997.4	852.4
52.5°	537.6	572.5	624.1	698.8	795.4	909.1	1018.1	1073.0	1006.7	877.0	753.1
55°	478.8	509.3	559.8	628.7	720.5	826.1	918.6	937.6	851.5	723.7	623.2
57.5°	421.3	449.9	495.8	559.4	643.1	736.6	809.0	805.0	714.0	604.3	524.6
60°	382.5	410.3	451.0	513.0	589.4	670.0	732.0	717.2	627.0	532.4	465.4
62.5°	347.7	372.5	411.0	465.2	534.9	609.7	660.6	638.7	550.3	467.6	414.6
65°	296.3	317.2	350.1	396.4	454.2	515.9	555.2	526.9	451.5	387.1	344.5
67.5°	247.4	264.0	291.6	328.6	377.9	427.4	451.4	422.9	362.6	315.6	284.0
70°	216.2	231.0	252.4	285.3	328.3	370.0	388.0	362.6	310.7	270.4	247.7
72.5°	185.1	197.3	216.1	245.6	280.1	316.3	332.1	307.7	265.1	231.1	209.9
75°	143.1	151.4	164.3	184.8	212.0	240.8	249.6	228.3	201.0	175.5	161.6
77.5°	102.5	109.5	119.3	132.2	151.5	169.8	177.5	165.1	144.0	127.9	116.5
80°	78.7	82.4	90.8	101.4	116.7	128.2	133.3	125.5	110.7	98.6	89.8
82.5°	56.1	59.8	64.8	73.7	83.4	91.2	96.7	91.4	80.7	71.2	66.1
85°	27.3	29.6	32.4	36.1	43.5	48.2	47.7	44.4	40.3	36.6	33.8
87.5°	10.3	11.1	12.6	14.8	16.3	18.2	19.3	18.9	17.7	16.9	16.1
90°	3.2	5.3	7.3	9.4	11.3	13.1	14.9	16.7	18.5	19.8	21.0
92.5°	16.3	14.9	13.5	12.0	12.1	13.7	15.2	16.9	18.5	19.8	21.0
95°	65.0	64.3	63.5	62.7	57.4	47.7	38.0	28.2	18.5	19.8	21.0
97.5°	138.8	140.2	141.5	142.9	133.9	114.7	95.4	76.1	56.8	49.6	42.4
100°	193.6	194.3	195.1	195.9	196.8	197.8	198.9	199.8	200.9	162.6	124.4
102.5°	250.1	251.1	252.1	253.1	253.9	254.5	255.1	255.7	256.3	249.1	241.8
105°	340.5	341.5	342.5	343.6	344.0	344.0	344.0	344.0	344.0	344.0	344.0
107.5°	433.2	433.2	433.2	433.2	433.5	434.0	434.4	435.0	435.5	435.5	435.6
110°	494.2	494.2	494.2	494.2	494.4	494.9	495.4	496.0	496.4	495.7	494.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	552.1	552.7	553.2	553.8	554.4	554.6	554.9	555.3	555.5	554.6	553.6
115°	638.6	639.9	641.1	642.5	643.2	643.5	643.7	644.0	644.3	643.2	642.2
117.5°	726.1	726.1	726.0	726.0	726.5	727.5	728.4	729.4	730.4	729.1	727.7
120°	781.4	781.1	780.9	780.6	780.9	781.6	782.4	783.2	783.9	783.5	782.9
122.5°	831.5	832.5	833.5	834.5	835.2	835.5	835.9	836.2	836.6	836.1	835.5
125°	908.1	909.9	911.7	913.5	914.4	914.4	914.4	914.4	914.4	913.4	912.3
127.5°	979.9	981.1	982.4	983.7	984.3	984.1	984.0	983.8	983.6	983.1	982.6
130°	1024.2	1025.5	1026.8	1028.1	1028.9	1029.1	1029.3	1029.6	1029.8	1029.1	1028.3
132.5°	1068.7	1070.2	1071.7	1073.2	1073.7	1073.1	1072.5	1072.0	1071.4	1071.3	1071.1
135°	1131.8	1133.4	1134.9	1136.5	1136.9	1136.5	1136.0	1135.4	1134.9	1134.4	1133.9
137.5°	1189.5	1190.9	1192.2	1193.6	1194.0	1193.6	1193.1	1192.7	1192.2	1192.3	1192.4
140°	1226.6	1227.2	1227.6	1228.2	1228.3	1228.1	1227.8	1227.5	1227.3	1227.8	1228.3
142.5°	1260.6	1260.9	1261.2	1261.5	1261.9	1262.2	1262.6	1262.9	1263.3	1263.4	1263.5
145°	1310.9	1311.4	1312.0	1312.4	1312.7	1312.7	1312.7	1312.7	1312.7	1313.0	1313.2
147.5°	1354.2	1354.1	1354.0	1353.9	1354.0	1354.2	1354.6	1354.9	1355.2	1355.5	1355.8
150°	1381.4	1381.0	1380.5	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0	1382.5	1383.0
152.5°	1407.7	1406.5	1405.4	1404.3	1403.9	1404.4	1405.0	1405.5	1406.0	1406.5	1407.0
155°	1441.6	1440.1	1438.6	1437.0	1436.5	1437.0	1437.5	1438.1	1438.6	1439.3	1440.1
157.5°	1468.8	1467.8	1467.0	1466.1	1465.6	1465.6	1465.7	1465.8	1465.8	1466.6	1467.5
160°	1486.7	1485.1	1483.5	1482.0	1481.4	1481.7	1481.9	1482.2	1482.5	1483.5	1484.5
162.5°	1501.5	1499.9	1498.3	1496.8	1496.2	1496.5	1496.7	1496.9	1497.2	1498.6	1500.0
165°	1521.3	1519.7	1518.2	1516.7	1516.0	1516.3	1516.5	1516.8	1517.1	1518.6	1520.1
167.5°	1536.1	1534.5	1532.9	1531.2	1530.6	1530.8	1531.1	1531.3	1531.6	1533.5	1535.3
170°	1544.2	1542.3	1540.5	1538.7	1537.9	1538.2	1538.5	1538.7	1539.0	1541.1	1543.1
172.5°	1549.7	1547.9	1546.0	1544.3	1543.6	1544.1	1544.5	1545.0	1545.4	1547.3	1549.2
175°	1555.9	1554.4	1552.8	1551.3	1550.7	1551.0	1551.2	1551.5	1551.7	1553.7	1555.8
177.5°	1559.0	1557.8	1556.6	1555.3	1554.8	1555.1	1555.2	1555.4	1555.6	1557.1	1558.5
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1140.9	1143.9	1150.1	1147.9	1150.9	1152.4	1153.9
5°	1233.1	1247.9	1254.4	1253.4	1263.1	1260.8	1258.5
7.5°	1337.1	1352.7	1361.4	1372.3	1378.5	1378.9	1384.5
10°	1396.1	1416.4	1424.8	1436.3	1443.7	1447.9	1447.4
12.5°	1441.2	1457.1	1475.9	1481.5	1491.5	1496.7	1494.9
15°	1495.6	1521.1	1540.5	1550.2	1562.7	1566.4	1571.6
17.5°	1544.1	1578.2	1601.0	1631.1	1642.5	1649.5	1645.4
20°	1580.7	1625.7	1648.4	1684.5	1704.4	1715.0	1711.4
22.5°	1624.1	1672.8	1714.7	1746.0	1776.3	1790.6	1793.6
25°	1698.4	1765.1	1826.7	1867.9	1905.3	1914.1	1933.6
27.5°	1781.4	1860.0	1925.8	1969.2	1995.3	2005.1	2011.2
30°	1833.6	1911.8	1961.4	1989.1	1997.5	1996.5	1995.6
32.5°	1859.1	1908.2	1917.6	1909.9	1890.8	1874.7	1857.9
35°	1822.9	1786.4	1731.7	1661.3	1609.4	1557.2	1552.0
37.5°	1639.5	1522.5	1431.6	1330.0	1271.4	1235.2	1210.1
40°	1466.9	1334.0	1223.8	1138.1	1078.3	1054.8	1031.6
42.5°	1279.4	1152.4	1054.9	983.3	938.3	912.1	893.9
45°	1039.5	927.5	851.0	799.2	763.6	743.2	731.6
47.5°	851.8	768.9	704.0	666.6	641.9	626.1	626.2
50°	751.0	671.8	628.7	599.1	577.8	565.3	567.7
52.5°	661.7	602.6	565.8	541.0	525.2	517.5	517.3
55°	553.3	510.7	486.6	468.6	457.9	449.2	451.0
57.5°	473.3	437.4	421.2	406.3	398.9	395.3	390.2
60°	423.7	395.9	382.0	370.0	362.6	359.8	354.6
62.5°	379.6	357.8	344.2	334.4	327.7	326.8	322.8
65°	319.1	302.4	290.3	285.7	278.7	276.9	276.9
67.5°	263.0	251.0	241.7	237.5	234.3	234.9	232.6
70°	227.8	218.1	212.0	207.4	205.1	205.5	203.8
72.5°	199.3	188.4	183.2	180.4	177.4	178.5	177.8
75°	151.0	145.3	142.6	139.8	137.9	137.1	136.2
77.5°	110.8	105.9	103.8	102.3	102.5	100.3	102.0
80°	85.7	81.5	80.1	77.8	77.3	77.3	76.9
82.5°	62.7	60.4	59.4	57.4	56.6	57.3	56.1
85°	32.4	30.6	30.1	30.1	29.2	28.3	30.6
87.5°	16.3	15.1	15.3	15.1	15.2	15.0	14.4
90°	22.3	23.6	24.6	25.4	26.1	26.9	27.7
92.5°	22.3	23.6	24.4	24.8	25.1	25.5	25.9
95°	22.3	23.6	24.3	24.3	24.3	24.3	24.3
97.5°	35.1	27.8	24.3	24.3	24.3	24.3	24.3
100°	86.2	48.0	28.4	27.3	26.3	25.2	24.3
102.5°	234.6	227.4	215.0	197.6	180.1	162.6	145.3
105°	344.0	344.0	343.9	343.7	343.4	343.1	342.9
107.5°	435.7	435.7	435.3	434.5	433.8	433.0	432.3
110°	494.2	493.4	493.1	493.4	493.7	493.9	494.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	552.7	551.7	551.0	550.6	550.3	549.9	549.6
115°	641.1	640.2	638.8	637.3	635.8	634.2	632.7
117.5°	726.4	725.1	724.0	723.4	722.7	722.0	721.4
120°	782.4	781.9	781.0	779.7	778.4	777.1	775.9
122.5°	835.0	834.6	833.5	832.1	830.5	829.0	827.6
125°	911.3	910.3	909.4	908.7	907.9	907.0	906.3
127.5°	982.0	981.4	980.2	978.3	976.4	974.5	972.6
130°	1027.5	1026.8	1025.7	1024.5	1023.1	1021.9	1020.7
132.5°	1070.9	1070.8	1070.1	1068.8	1067.6	1066.2	1065.0
135°	1133.4	1132.8	1131.8	1130.3	1128.7	1127.2	1125.7
137.5°	1192.5	1192.6	1191.9	1190.6	1189.3	1187.9	1186.6
140°	1228.8	1229.3	1228.8	1227.3	1225.7	1224.2	1222.6
142.5°	1263.6	1263.7	1263.0	1261.4	1259.9	1258.4	1256.9
145°	1313.5	1313.8	1313.1	1311.5	1310.0	1308.5	1307.0
147.5°	1356.1	1356.5	1355.7	1353.8	1351.9	1350.1	1348.3
150°	1383.5	1384.0	1383.2	1381.2	1379.1	1377.1	1375.0
152.5°	1407.6	1408.0	1407.4	1405.5	1403.7	1401.9	1400.0
155°	1440.8	1441.6	1441.0	1439.0	1436.9	1434.9	1432.8
157.5°	1468.3	1469.1	1468.5	1466.4	1464.4	1462.3	1460.3
160°	1485.5	1486.6	1486.0	1484.0	1481.9	1479.9	1477.8
162.5°	1501.6	1503.0	1502.5	1500.3	1498.0	1495.8	1493.5
165°	1521.7	1523.2	1523.0	1520.9	1518.9	1516.8	1514.7
167.5°	1537.1	1539.0	1538.7	1536.4	1534.2	1531.9	1529.6
170°	1545.2	1547.2	1547.1	1544.8	1542.5	1540.2	1537.8
172.5°	1551.0	1552.8	1552.6	1550.3	1548.0	1545.7	1543.4
175°	1557.8	1559.9	1559.8	1557.5	1555.1	1552.8	1550.5
177.5°	1560.0	1561.4	1561.3	1559.6	1558.0	1556.3	1554.7
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5

(END OF REPORT)