

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: P331693-840

Luminaire Tested: **S122RDIP-S675D925U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331693-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S675D925U840-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 925 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6302.4 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

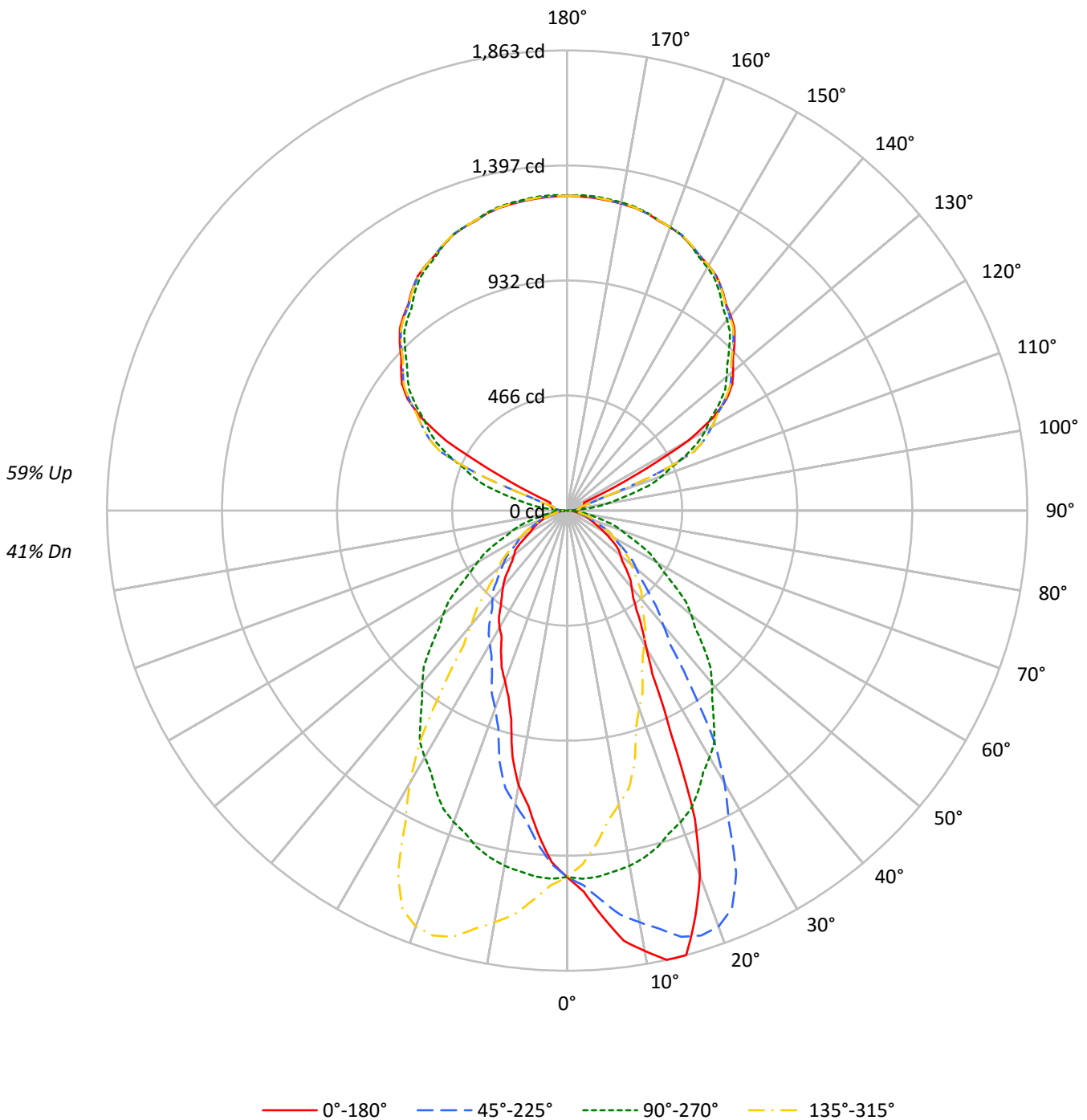
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	89	85	88	84	81	79	69	67	65	56	54	53	43	42	41	36
2	88	81	76	71	80	74	70	65	62	58	55	50	47	45	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	31	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	29	28	24
5	69	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	27	24	22	19
7	59	47	40	34	54	44	37	32	37	32	28	30	27	24	24	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	26	31	26	23	26	22	20	21	18	17	14
10	48	36	29	25	44	34	27	23	29	24	21	24	20	18	20	17	15	13

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

	0°	90°	180°	270°
0°	23954	23954	23954	23954
5°	26752	24104	21371	24104
10°	29681	23935	18525	23935
15°	31141	23584	14596	23584
20°	26996	23063	12631	23063
25°	17706	22352	11277	22352
30°	11917	21490	10206	21490
35°	9652	20402	9207	20402
40°	8585	19220	8517	19220
45°	7768	17831	7606	17831
50°	7068	16458	7043	16458
55°	6646	14933	6559	14933
60°	5561	13533	5493	13533
65°	4688	12287	5318	12287
70°	4334	10976	5013	10976
75°	4049	9551	4629	9551
80°	3738	7857	4119	7857
85°	3446	6206	3631	6206



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.6	2.2
10°-20°	391.9	6.2
20°-30°	505.0	8.0
30°-40°	479.9	7.6
40°-50°	411.1	6.5
50°-60°	313.0	5.0
60°-70°	197.9	3.1
70°-80°	98.8	1.6
80°-90°	28.9	0.5
90°-100°	42.5	0.7
100°-110°	155.9	2.5
110°-120°	416.8	6.6
120°-130°	688.0	10.9
130°-140°	731.7	11.6
140°-150°	680.1	10.8
150°-160°	546.8	8.7
160°-170°	352.3	5.6
170°-180°	121.3	1.9
0°-30°	1037.5	16.5
0°-40°	1517.4	24.1
0°-60°	2241.5	35.6
0°-90°	2567.1	40.7
90°-120°	615.2	9.8
90°-150°	2714.9	43.1
90°-180°	3735.0	59.3
0°-180°	6302.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1484	1484	1484	1484	1484	
5°	1651	1487	1319	1487	1651	163
15°	1863	1411	873	1411	1863	503
25°	994	1255	633	1255	994	472
35°	490	1035	467	1035	490	313
45°	340	781	333	781	340	263
55°	236	530	233	530	236	207
65°	123	322	139	322	123	125
75°	65	153	74	153	65	69
85°	19	34	20	34	19	21
90°	25	1	25	1	25	12
95°	40	60	40	60	40	37
105°	70	280	70	280	70	73
115°	76	530	76	530	76	189
125°	789	750	789	750	789	682
135°	958	928	958	928	958	739
145°	1093	1076	1093	1076	1093	683
155°	1186	1185	1186	1185	1186	547
165°	1246	1249	1246	1249	1246	352
175°	1270	1277	1270	1277	1270	121
180°	1275	1275	1275	1275	1275	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1543.8	1545.0	1546.3	1543.4	1543.4	1540.9	1535.5	1531.5	1519.8	1518.2	1518.2
5°	1650.6	1649.5	1651.6	1645.0	1635.7	1633.6	1623.8	1610.9	1597.5	1582.6	1579.4
7.5°	1756.8	1755.2	1751.1	1750.0	1742.8	1727.3	1711.5	1694.8	1672.4	1650.7	1639.8
10°	1810.4	1827.5	1817.1	1799.1	1802.7	1778.5	1765.5	1743.4	1724.8	1692.3	1685.2
12.5°	1863.2	1869.9	1866.6	1856.3	1851.7	1834.9	1817.6	1798.3	1764.0	1734.8	1709.5
15°	1863.0	1872.8	1875.3	1872.3	1874.8	1873.8	1864.5	1848.6	1818.7	1786.7	1758.9
17.5°	1725.5	1732.2	1749.2	1760.6	1775.0	1805.5	1820.6	1826.4	1822.0	1803.8	1784.2
20°	1571.2	1559.8	1607.3	1631.5	1652.1	1703.6	1748.0	1765.0	1792.3	1791.8	1786.7
22.5°	1352.6	1355.3	1400.3	1429.1	1489.2	1540.8	1591.3	1655.4	1708.2	1743.1	1763.6
25°	993.9	1013.5	1058.3	1097.5	1164.5	1260.4	1347.5	1448.6	1543.9	1619.1	1690.8
27.5°	746.4	747.9	783.5	819.6	859.4	938.0	1047.6	1168.3	1304.2	1416.4	1545.5
30°	639.2	636.1	651.1	673.3	707.2	768.1	850.5	969.2	1104.7	1273.7	1424.3
32.5°	563.3	563.5	574.8	591.2	619.5	660.5	716.9	813.2	941.4	1107.6	1284.0
35°	489.7	489.2	497.5	509.3	521.2	547.4	586.1	636.6	724.8	879.9	1060.4
37.5°	437.0	439.2	443.2	450.6	463.7	478.4	501.6	535.5	598.2	690.0	841.7
40°	407.3	408.3	413.9	420.1	427.9	439.2	458.3	485.5	531.5	604.7	715.5
42.5°	380.0	381.0	385.1	390.8	396.9	408.3	424.0	447.7	484.8	542.0	633.4
45°	340.2	340.2	343.9	346.4	353.1	363.5	376.3	395.9	421.7	463.9	524.7
47.5°	302.9	303.0	305.4	309.8	314.1	322.0	334.8	350.7	369.5	402.2	454.1
50°	281.4	282.0	283.5	287.1	289.7	296.9	306.7	320.6	340.2	365.5	408.8
52.5°	264.2	263.8	265.8	267.3	269.1	274.3	281.6	293.9	311.3	333.4	369.2
55°	236.1	234.0	237.1	239.7	241.3	243.3	247.4	255.2	270.1	288.7	315.5
57.5°	201.1	200.3	202.4	204.8	209.6	215.2	218.6	223.6	231.4	244.7	271.2
60°	172.2	172.2	176.8	178.3	184.0	191.3	198.4	202.6	210.4	219.0	238.6
62.5°	146.6	147.0	149.2	150.8	153.9	162.8	172.9	182.0	189.2	197.6	210.7
65°	122.7	123.7	123.7	124.7	126.8	128.9	133.0	140.2	153.1	164.9	174.7
67.5°	104.1	104.4	104.7	105.7	106.3	108.6	110.2	113.4	116.4	127.6	139.8
70°	91.8	93.3	92.8	93.8	94.3	95.3	97.5	99.0	103.6	106.2	113.4
72.5°	80.2	81.3	81.2	81.9	83.2	83.4	85.0	86.6	89.6	91.8	95.6
75°	64.9	64.4	64.9	65.9	66.4	67.1	67.1	69.1	70.6	72.7	75.2
77.5°	50.1	50.6	50.5	50.6	50.7	51.6	51.5	52.5	54.0	55.0	56.2
80°	40.2	40.7	40.2	40.7	41.2	41.7	41.2	41.7	43.3	44.3	44.3
82.5°	31.1	31.2	31.5	31.6	31.7	31.8	32.6	32.7	33.8	33.6	34.0
85°	18.6	18.1	18.1	18.1	18.6	19.1	18.6	18.6	19.1	19.1	19.1
87.5°	11.6	11.9	11.8	11.7	11.6	11.5	11.3	11.5	10.9	11.1	10.4
90°	24.9	24.5	24.0	23.6	23.2	22.5	21.5	20.5	19.5	18.5	16.8
92.5°	24.9	24.6	24.4	24.1	23.9	23.5	23.0	22.4	21.9	21.4	20.6
95°	39.7	39.9	40.1	40.3	40.5	40.1	39.1	38.0	37.0	36.0	34.5
97.5°	52.9	52.7	52.4	52.2	51.9	51.4	50.6	49.8	49.0	48.2	44.8
100°	61.8	61.4	61.0	60.6	60.2	59.2	57.5	55.8	54.2	52.6	49.1
102.5°	66.2	65.6	65.0	64.5	63.9	62.6	60.5	58.3	56.1	54.0	83.2
105°	70.1	69.3	68.5	67.7	66.9	65.2	63.0	60.8	58.5	56.2	112.2
107.5°	72.1	71.3	70.5	69.7	68.9	69.6	71.9	74.1	76.4	78.8	145.8
110°	72.9	72.0	71.2	70.4	69.6	79.4	99.9	120.4	140.9	161.4	220.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	73.6	72.9	72.3	71.6	71.0	108.1	182.8	257.6	332.3	407.1	421.7
115°	75.6	90.4	105.1	119.9	134.6	189.5	284.4	379.3	474.1	569.1	563.9
117.5°	308.8	357.3	405.8	454.2	502.7	538.5	561.5	584.4	607.3	630.3	626.8
120°	562.6	590.3	617.9	645.6	673.3	685.9	683.5	681.0	678.5	676.0	672.4
122.5°	702.1	707.4	712.8	718.2	723.6	725.5	724.0	722.6	721.0	719.6	715.6
125°	788.6	788.0	787.3	786.7	786.1	785.1	783.7	782.2	780.8	779.3	775.5
127.5°	843.1	843.0	842.9	842.8	842.6	841.6	839.5	837.4	835.3	833.2	830.3
130°	877.1	877.3	877.5	877.8	878.0	876.9	874.6	872.4	870.1	867.9	865.7
132.5°	910.3	910.5	910.7	910.9	911.1	910.3	908.4	906.5	904.5	902.5	900.3
135°	958.3	958.7	959.1	959.5	959.9	959.1	957.0	955.0	952.9	950.9	949.1
137.5°	1002.0	1002.7	1003.4	1004.1	1004.8	1004.1	1002.1	1000.1	998.0	996.1	994.0
140°	1029.3	1030.4	1031.4	1032.4	1033.4	1033.0	1031.2	1029.3	1027.4	1025.6	1023.4
142.5°	1055.8	1056.9	1057.9	1058.9	1060.0	1059.7	1057.9	1056.2	1054.6	1052.9	1050.4
145°	1093.0	1094.0	1095.0	1096.0	1097.0	1096.8	1095.4	1094.0	1092.5	1091.1	1087.6
147.5°	1125.6	1126.4	1127.3	1128.1	1129.0	1128.9	1127.8	1126.8	1125.7	1124.7	1121.3
150°	1145.5	1146.5	1147.5	1148.6	1149.6	1149.5	1148.3	1147.0	1145.8	1144.6	1141.3
152.5°	1162.5	1163.9	1165.2	1166.5	1167.9	1167.9	1166.7	1165.5	1164.3	1163.1	1159.9
155°	1186.1	1187.7	1189.3	1191.0	1192.7	1192.9	1191.6	1190.4	1189.1	1187.9	1185.5
157.5°	1207.7	1209.2	1210.8	1212.4	1214.1	1214.2	1212.7	1211.3	1210.0	1208.6	1206.9
160°	1220.2	1221.6	1223.0	1224.5	1226.0	1226.1	1224.9	1223.6	1222.3	1221.1	1219.9
162.5°	1230.5	1232.3	1234.1	1235.9	1237.6	1237.8	1236.4	1235.0	1233.6	1232.2	1231.1
165°	1246.1	1247.5	1248.9	1250.3	1251.7	1251.7	1250.3	1248.9	1247.5	1246.1	1245.5
167.5°	1255.8	1257.7	1259.5	1261.3	1263.1	1263.4	1261.9	1260.5	1259.1	1257.7	1257.1
170°	1261.7	1263.5	1265.4	1267.3	1269.1	1269.3	1267.9	1266.5	1265.0	1263.5	1263.1
172.5°	1266.2	1268.0	1269.8	1271.6	1273.5	1273.7	1272.3	1270.8	1269.4	1268.0	1267.6
175°	1270.0	1272.0	1274.1	1276.2	1278.2	1278.5	1277.1	1275.7	1274.2	1272.7	1272.3
177.5°	1272.4	1273.8	1275.4	1276.9	1278.3	1278.5	1277.4	1276.2	1275.1	1273.8	1273.7
180°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1519.0	1515.7	1512.9	1505.4	1501.8	1493.5	1492.3	1491.9	1481.1	1470.8	1467.9
5°	1571.2	1563.0	1550.5	1536.1	1521.2	1505.7	1495.4	1487.2	1466.5	1446.9	1435.6
7.5°	1623.8	1606.1	1584.7	1557.4	1534.6	1509.0	1490.1	1473.1	1443.8	1415.7	1396.8
10°	1662.9	1634.1	1605.8	1568.1	1538.7	1509.8	1483.1	1459.9	1426.8	1389.8	1363.4
12.5°	1687.3	1655.6	1616.5	1579.6	1541.7	1504.9	1469.1	1439.3	1400.5	1362.1	1330.9
15°	1720.2	1686.2	1638.7	1586.2	1537.2	1489.2	1448.0	1410.9	1360.4	1314.5	1276.4
17.5°	1747.1	1700.3	1649.3	1588.5	1531.9	1470.9	1417.7	1370.4	1314.1	1258.8	1213.9
20°	1755.8	1709.4	1650.6	1589.7	1522.8	1451.1	1393.9	1342.3	1282.0	1221.7	1170.1
22.5°	1750.4	1714.3	1648.9	1576.2	1507.5	1432.5	1367.9	1308.1	1241.2	1179.6	1119.8
25°	1714.0	1701.6	1639.8	1560.3	1482.1	1394.9	1320.2	1254.7	1178.4	1112.5	1047.4
27.5°	1629.1	1655.9	1617.5	1533.0	1445.8	1352.4	1268.4	1193.9	1114.7	1040.5	975.7
30°	1547.5	1608.8	1592.4	1514.0	1416.5	1324.8	1230.5	1152.7	1068.1	991.8	927.9
32.5°	1435.7	1537.1	1553.2	1487.6	1386.8	1286.1	1187.2	1109.7	1021.5	941.1	878.8
35°	1257.8	1409.4	1478.9	1437.1	1336.2	1227.4	1125.3	1035.1	946.4	867.1	805.2
37.5°	1045.5	1251.9	1367.9	1370.9	1278.1	1165.0	1053.9	964.3	873.5	795.6	728.7
40°	907.8	1131.5	1282.5	1316.1	1237.7	1115.5	1003.1	911.9	823.2	746.9	670.1
42.5°	784.1	1006.9	1192.7	1250.9	1188.6	1067.2	954.5	859.1	773.0	700.7	622.3
45°	634.1	828.9	1033.6	1137.7	1103.2	990.8	871.7	780.9	700.0	637.6	562.4
47.5°	534.8	672.2	870.2	1011.1	1010.5	907.9	790.7	703.9	628.8	570.4	509.4
50°	478.4	597.9	765.5	925.3	938.7	852.6	741.2	655.2	585.1	523.7	474.7
52.5°	427.7	526.2	676.8	830.0	868.2	793.7	685.6	606.1	538.1	481.7	439.7
55°	361.3	437.7	552.1	695.4	753.2	700.5	604.7	530.5	475.2	427.9	391.7
57.5°	305.7	362.9	454.7	570.2	637.3	604.3	525.1	464.8	417.7	374.8	346.3
60°	270.6	317.5	395.4	491.8	566.0	542.8	475.2	419.1	378.9	341.7	315.0
62.5°	237.6	277.9	344.7	422.9	491.0	481.4	426.2	379.1	343.9	310.0	287.3
65°	191.3	220.7	272.7	334.1	388.7	393.3	353.7	321.6	290.2	263.4	243.3
67.5°	152.3	171.5	208.1	259.8	300.7	315.4	291.1	266.7	241.8	221.1	203.6
70°	128.4	143.8	170.7	212.4	250.0	265.5	251.6	232.5	210.9	193.8	178.8
72.5°	104.0	119.1	138.9	169.5	201.8	218.4	213.6	200.0	182.4	168.2	154.1
75°	78.4	83.0	96.4	117.0	142.3	156.7	160.4	153.1	139.2	128.4	120.1
77.5°	58.0	60.7	67.2	78.0	94.4	107.3	112.6	111.8	102.2	95.8	88.2
80°	46.4	48.0	51.0	55.6	68.1	80.9	84.5	84.5	77.9	75.2	67.6
82.5°	35.2	36.4	38.3	40.8	46.6	57.9	61.9	62.7	58.5	55.0	49.0
85°	20.1	19.6	20.6	22.1	23.2	26.3	32.5	33.5	32.5	28.4	26.8
87.5°	10.0	10.1	9.8	9.0	9.0	8.9	10.5	12.1	10.9	10.2	9.8
90°	15.1	13.5	11.9	9.9	7.7	5.5	3.1	0.9	3.1	5.5	7.7
92.5°	19.8	19.0	18.1	17.8	18.0	18.2	18.4	18.6	18.4	18.2	18.0
95°	33.1	31.7	30.2	32.9	39.7	46.5	53.2	60.0	53.2	46.5	39.7
97.5°	41.5	38.2	34.8	42.7	61.8	80.9	99.9	119.0	99.9	80.9	61.8
100°	45.6	42.1	38.7	50.9	79.0	107.0	135.1	163.3	135.1	107.0	79.0
102.5°	112.3	141.5	170.7	188.1	194.1	200.1	206.0	212.0	206.0	200.1	194.1
105°	168.1	224.1	280.0	305.0	298.8	292.7	286.5	280.3	286.5	292.7	298.8
107.5°	213.0	280.0	347.2	378.3	373.2	368.3	363.3	358.4	363.3	368.3	373.2
110°	279.8	339.1	398.3	425.8	421.5	417.2	412.9	408.6	412.9	417.2	421.5





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	436.4	451.0	465.6	471.0	467.3	463.4	459.6	455.8	459.6	463.4	467.3
115°	558.9	553.7	548.6	544.2	540.8	537.2	533.8	530.3	533.8	537.2	540.8
117.5°	623.3	619.8	616.2	612.5	608.6	604.7	600.8	596.9	600.8	604.7	608.6
120°	668.6	665.0	661.3	657.9	654.8	651.8	648.6	645.6	648.6	651.8	654.8
122.5°	711.6	707.5	703.5	699.8	696.6	693.4	690.1	686.9	690.1	693.4	696.6
125°	771.5	767.7	763.8	760.5	757.8	755.2	752.5	749.8	752.5	755.2	757.8
127.5°	827.4	824.5	821.5	818.6	815.7	812.7	809.8	806.8	809.8	812.7	815.7
130°	863.3	861.1	858.9	856.1	852.8	849.5	846.3	843.0	846.3	849.5	852.8
132.5°	898.1	895.9	893.5	891.0	888.3	885.4	882.6	879.9	882.6	885.4	888.3
135°	947.3	945.3	943.5	941.0	937.7	934.4	931.1	927.9	931.1	934.4	937.7
137.5°	991.9	989.8	987.7	985.5	983.2	981.0	978.7	976.3	978.7	981.0	983.2
140°	1021.1	1018.9	1016.6	1014.6	1013.0	1011.4	1009.8	1008.0	1009.8	1011.4	1013.0
142.5°	1047.7	1045.1	1042.6	1040.6	1039.1	1037.6	1036.1	1034.6	1036.1	1037.6	1039.1
145°	1084.1	1080.7	1077.1	1075.5	1075.7	1075.9	1076.1	1076.3	1076.1	1075.9	1075.7
147.5°	1117.8	1114.3	1110.9	1109.5	1110.3	1111.2	1111.9	1112.7	1111.9	1111.2	1110.3
150°	1138.0	1134.8	1131.5	1130.5	1132.0	1133.4	1134.9	1136.3	1134.9	1133.4	1132.0
152.5°	1156.8	1153.7	1150.5	1149.8	1151.4	1153.0	1154.6	1156.2	1154.6	1153.0	1151.4
155°	1183.1	1180.5	1178.1	1177.8	1179.6	1181.4	1183.4	1185.2	1183.4	1181.4	1179.6
157.5°	1205.2	1203.5	1201.7	1201.6	1203.2	1204.8	1206.3	1207.8	1206.3	1204.8	1203.2
160°	1218.7	1217.4	1216.2	1216.2	1217.4	1218.7	1219.9	1221.1	1219.9	1218.7	1217.4
162.5°	1230.0	1229.0	1227.9	1228.0	1229.2	1230.5	1231.7	1232.9	1231.7	1230.5	1229.2
165°	1244.8	1244.2	1243.5	1243.9	1245.1	1246.4	1247.6	1248.8	1247.6	1246.4	1245.1
167.5°	1256.5	1256.0	1255.4	1255.7	1256.9	1258.2	1259.4	1260.6	1259.4	1258.2	1256.9
170°	1262.7	1262.3	1261.9	1262.3	1263.5	1264.8	1266.0	1267.3	1266.0	1264.8	1263.5
172.5°	1267.2	1266.8	1266.4	1266.8	1268.0	1269.2	1270.4	1271.6	1270.4	1269.2	1268.0
175°	1271.9	1271.5	1271.1	1271.6	1273.0	1274.6	1276.0	1277.4	1276.0	1274.6	1273.0
177.5°	1273.5	1273.4	1273.2	1273.7	1274.9	1276.1	1277.2	1278.3	1277.2	1276.1	1274.9
180°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1462.6	1459.7	1454.3	1446.0	1441.1	1432.4	1426.6	1430.0	1430.8	1430.0	1429.2
5°	1423.3	1412.4	1397.5	1383.0	1369.7	1355.2	1347.0	1343.3	1336.2	1332.0	1330.0
7.5°	1375.7	1357.1	1336.0	1310.8	1289.4	1267.1	1255.7	1249.9	1235.2	1227.2	1220.1
10°	1340.3	1310.9	1289.8	1256.8	1236.7	1207.3	1187.2	1187.7	1167.6	1156.2	1148.0
12.5°	1301.1	1268.8	1233.7	1204.0	1176.0	1152.5	1128.2	1118.4	1097.0	1086.1	1063.9
15°	1236.2	1198.5	1161.4	1121.2	1092.9	1056.2	1021.2	978.4	943.8	913.9	905.7
17.5°	1165.2	1118.6	1081.4	1034.2	985.6	924.0	883.4	858.6	837.8	822.0	810.2
20°	1116.5	1069.1	1029.5	958.3	892.8	851.1	821.2	802.1	780.4	763.5	754.2
22.5°	1065.4	1015.9	961.8	882.4	831.4	797.9	771.2	749.3	734.7	721.3	713.0
25°	992.8	938.7	849.5	794.9	753.7	718.6	700.0	686.6	671.2	653.1	644.9
27.5°	916.1	830.0	766.0	725.4	686.0	663.2	646.5	626.5	612.7	604.6	596.0
30°	858.8	772.7	722.8	678.4	650.6	625.3	605.7	594.4	581.0	567.0	561.4
32.5°	794.9	726.1	678.2	641.3	613.0	591.5	576.0	557.6	548.0	539.4	527.6
35°	715.5	663.5	619.7	589.8	562.9	545.4	527.4	516.5	499.0	491.8	487.2
37.5°	648.2	603.1	570.5	538.9	517.7	498.3	487.3	470.0	462.4	452.4	442.6
40°	610.4	566.0	534.5	508.8	485.0	470.6	456.8	442.8	431.4	426.9	415.0
42.5°	571.6	535.5	504.0	475.7	459.9	444.6	427.1	416.9	405.1	397.6	390.2
45°	518.1	486.1	459.3	436.1	418.6	402.6	391.2	374.3	367.6	352.5	346.4
47.5°	471.1	441.3	415.8	393.7	376.6	366.2	349.6	336.3	325.6	316.4	308.5
50°	437.7	412.9	388.2	368.6	353.1	338.2	321.1	314.5	297.9	293.3	288.7
52.5°	407.2	383.6	360.9	341.7	326.3	311.7	296.8	288.0	276.9	272.3	268.9
55°	364.5	341.7	320.1	303.1	287.6	272.7	263.4	252.6	247.4	243.8	239.7
57.5°	321.5	301.1	284.6	267.3	251.8	239.9	229.1	222.7	217.3	212.6	207.6
60°	294.4	274.8	259.8	243.8	227.8	218.0	209.8	202.1	195.9	188.6	186.6
62.5°	265.5	248.3	234.7	219.0	205.2	196.2	188.3	181.1	173.6	163.1	160.2
65°	225.8	212.4	197.9	185.1	172.7	163.9	152.6	144.3	141.3	140.2	139.7
67.5°	190.0	177.2	164.8	151.7	140.4	132.3	126.5	125.2	123.1	122.5	121.1
70°	166.0	154.1	141.8	129.4	118.6	117.0	114.9	112.9	110.3	109.3	108.3
72.5°	144.5	132.3	119.9	110.0	105.3	103.4	101.4	99.3	97.6	96.5	95.8
75°	110.8	99.5	91.3	87.7	85.0	83.5	80.4	78.9	77.9	76.2	75.7
77.5°	79.8	73.4	69.6	67.4	64.6	63.0	61.2	59.7	58.6	58.3	57.5
80°	60.8	57.8	55.1	52.1	51.0	49.0	48.5	47.0	47.5	45.8	45.8
82.5°	47.3	43.3	41.1	39.7	38.7	37.1	36.5	35.7	35.9	34.7	34.7
85°	24.2	23.2	22.1	21.1	21.1	19.6	20.1	19.6	19.6	18.6	18.1
87.5°	9.8	9.8	9.3	9.6	10.0	9.9	10.1	9.9	10.1	10.3	10.0
90°	9.9	11.9	13.5	15.1	16.8	18.5	19.5	20.5	21.5	22.5	23.2
92.5°	17.8	18.1	19.0	19.8	20.6	21.4	21.9	22.4	23.0	23.5	23.9
95°	32.9	30.2	31.7	33.1	34.5	36.0	37.0	38.0	39.1	40.1	40.5
97.5°	42.7	34.8	38.2	41.5	44.8	48.2	49.0	49.8	50.6	51.4	51.9
100°	50.9	38.7	42.1	45.6	49.1	52.6	54.2	55.8	57.5	59.2	60.2
102.5°	188.1	170.7	141.5	112.3	83.2	54.0	56.1	58.3	60.5	62.6	63.9
105°	305.0	280.0	224.1	168.1	112.2	56.2	58.5	60.8	63.0	65.2	66.9
107.5°	378.3	347.2	280.0	213.0	145.8	78.8	76.4	74.1	71.9	69.6	68.9
110°	425.8	398.3	339.1	279.8	220.7	161.4	140.9	120.4	99.9	79.4	69.6



TEST NUMBER: P331693-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	471.0	465.6	451.0	436.4	421.7	407.1	332.3	257.6	182.8	108.1	71.0
115°	544.2	548.6	553.7	558.9	563.9	569.1	474.1	379.3	284.4	189.5	134.6
117.5°	612.5	616.2	619.8	623.3	626.8	630.3	607.3	584.4	561.5	538.5	502.7
120°	657.9	661.3	665.0	668.6	672.4	676.0	678.5	681.0	683.5	685.9	673.3
122.5°	699.8	703.5	707.5	711.6	715.6	719.6	721.0	722.6	724.0	725.5	723.6
125°	760.5	763.8	767.7	771.5	775.5	779.3	780.8	782.2	783.7	785.1	786.1
127.5°	818.6	821.5	824.5	827.4	830.3	833.2	835.3	837.4	839.5	841.6	842.6
130°	856.1	858.9	861.1	863.3	865.7	867.9	870.1	872.4	874.6	876.9	878.0
132.5°	891.0	893.5	895.9	898.1	900.3	902.5	904.5	906.5	908.4	910.3	911.1
135°	941.0	943.5	945.3	947.3	949.1	950.9	952.9	955.0	957.0	959.1	959.9
137.5°	985.5	987.7	989.8	991.9	994.0	996.1	998.0	1000.1	1002.1	1004.1	1004.8
140°	1014.6	1016.6	1018.9	1021.1	1023.4	1025.6	1027.4	1029.3	1031.2	1033.0	1033.4
142.5°	1040.6	1042.6	1045.1	1047.7	1050.4	1052.9	1054.6	1056.2	1057.9	1059.7	1060.0
145°	1075.5	1077.1	1080.7	1084.1	1087.6	1091.1	1092.5	1094.0	1095.4	1096.8	1097.0
147.5°	1109.5	1110.9	1114.3	1117.8	1121.3	1124.7	1125.7	1126.8	1127.8	1128.9	1129.0
150°	1130.5	1131.5	1134.8	1138.0	1141.3	1144.6	1145.8	1147.0	1148.3	1149.5	1149.6
152.5°	1149.8	1150.5	1153.7	1156.8	1159.9	1163.1	1164.3	1165.5	1166.7	1167.9	1167.9
155°	1177.8	1178.1	1180.5	1183.1	1185.5	1187.9	1189.1	1190.4	1191.6	1192.9	1192.7
157.5°	1201.6	1201.7	1203.5	1205.2	1206.9	1208.6	1210.0	1211.3	1212.7	1214.2	1214.1
160°	1216.2	1216.2	1217.4	1218.7	1219.9	1221.1	1222.3	1223.6	1224.9	1226.1	1226.0
162.5°	1228.0	1227.9	1229.0	1230.0	1231.1	1232.2	1233.6	1235.0	1236.4	1237.8	1237.6
165°	1243.9	1243.5	1244.2	1244.8	1245.5	1246.1	1247.5	1248.9	1250.3	1251.7	1251.7
167.5°	1255.7	1255.4	1256.0	1256.5	1257.1	1257.7	1259.1	1260.5	1261.9	1263.4	1263.1
170°	1262.3	1261.9	1262.3	1262.7	1263.1	1263.5	1265.0	1266.5	1267.9	1269.3	1269.1
172.5°	1266.8	1266.4	1266.8	1267.2	1267.6	1268.0	1269.4	1270.8	1272.3	1273.7	1273.5
175°	1271.6	1271.1	1271.5	1271.9	1272.3	1272.7	1274.2	1275.7	1277.1	1278.5	1278.2
177.5°	1273.7	1273.2	1273.4	1273.5	1273.7	1273.8	1275.1	1276.2	1277.4	1278.5	1278.3
180°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7



TEST NUMBER: P331693-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1424.6	1425.4	1424.2	1425.0	1424.2	1425.4	1424.6	1429.2	1430.0	1430.8	1430.0
5°	1327.4	1321.2	1320.2	1318.6	1320.2	1321.2	1327.4	1330.0	1332.0	1336.2	1343.3
7.5°	1211.3	1210.3	1207.8	1204.2	1207.8	1210.3	1211.3	1220.1	1227.2	1235.2	1249.9
10°	1136.6	1134.1	1133.6	1129.9	1133.6	1134.1	1136.6	1148.0	1156.2	1167.6	1187.7
12.5°	1049.2	1032.6	1030.9	1021.9	1030.9	1032.6	1049.2	1063.9	1086.1	1097.0	1118.4
15°	893.3	890.3	879.9	873.2	879.9	890.3	893.3	905.7	913.9	943.8	978.4
17.5°	804.3	794.2	790.9	789.5	790.9	794.2	804.3	810.2	822.0	837.8	858.6
20°	746.9	737.7	736.1	735.1	736.1	737.7	746.9	754.2	763.5	780.4	802.1
22.5°	707.3	697.6	693.7	690.5	693.7	697.6	707.3	713.0	721.3	734.7	749.3
25°	639.7	636.1	634.1	633.0	634.1	636.1	639.7	644.9	653.1	671.2	686.6
27.5°	586.8	578.9	577.3	574.7	577.3	578.9	586.8	596.0	604.6	612.7	626.5
30°	556.7	554.1	550.6	547.4	550.6	554.1	556.7	561.4	567.0	581.0	594.4
32.5°	521.3	519.1	515.9	514.4	515.9	519.1	521.3	527.6	539.4	548.0	557.6
35°	482.0	474.7	471.7	467.1	471.7	474.7	482.0	487.2	491.8	499.0	516.5
37.5°	440.4	436.7	432.3	433.8	432.3	436.7	440.4	442.6	452.4	462.4	470.0
40°	408.3	405.7	404.7	404.1	404.7	405.7	408.3	415.0	426.9	431.4	442.8
42.5°	382.7	375.6	372.9	372.8	372.9	375.6	382.7	390.2	397.6	405.1	416.9
45°	343.9	337.1	332.4	333.1	332.4	337.1	343.9	346.4	352.5	367.6	374.3
47.5°	304.1	303.9	300.9	301.8	300.9	303.9	304.1	308.5	316.4	325.6	336.3
50°	285.1	282.0	279.9	280.4	279.9	282.0	285.1	288.7	293.3	297.9	314.5
52.5°	266.9	264.3	262.6	264.8	262.6	264.3	266.9	268.9	272.3	276.9	288.0
55°	237.1	234.0	233.5	233.0	233.5	234.0	237.1	239.7	243.8	247.4	252.6
57.5°	203.8	201.8	198.6	197.3	198.6	201.8	203.8	207.6	212.6	217.3	222.7
60°	179.9	175.8	170.7	170.1	170.7	175.8	179.9	186.6	188.6	195.9	202.1
62.5°	158.0	157.2	156.2	156.1	156.2	157.2	158.0	160.2	163.1	173.6	181.1
65°	138.7	138.1	138.7	139.2	138.7	138.1	138.7	139.7	140.2	141.3	144.3
67.5°	120.9	119.9	119.0	119.4	119.0	119.9	120.9	121.1	122.5	123.1	125.2
70°	107.2	106.7	106.2	106.2	106.2	106.7	107.2	108.3	109.3	110.3	112.9
72.5°	94.0	93.9	93.4	93.0	93.4	93.9	94.0	95.8	96.5	97.6	99.3
75°	75.2	74.2	74.2	74.2	74.2	74.2	75.2	75.7	76.2	77.9	78.9
77.5°	57.4	56.9	56.2	55.8	56.2	56.9	57.4	57.5	58.3	58.6	59.7
80°	45.3	44.8	44.3	44.3	44.3	44.8	45.3	45.8	45.8	47.5	47.0
82.5°	34.6	34.1	34.0	33.6	34.0	34.1	34.6	34.7	34.7	35.9	35.7
85°	18.6	19.1	18.6	19.6	18.6	19.1	18.6	18.1	18.6	19.6	19.6
87.5°	10.1	9.8	10.3	9.9	10.3	9.8	10.1	10.0	10.3	10.1	9.9
90°	23.6	24.0	24.5	24.9	24.5	24.0	23.6	23.2	22.5	21.5	20.5
92.5°	24.1	24.4	24.6	24.9	24.6	24.4	24.1	23.9	23.5	23.0	22.4
95°	40.3	40.1	39.9	39.7	39.9	40.1	40.3	40.5	40.1	39.1	38.0
97.5°	52.2	52.4	52.7	52.9	52.7	52.4	52.2	51.9	51.4	50.6	49.8
100°	60.6	61.0	61.4	61.8	61.4	61.0	60.6	60.2	59.2	57.5	55.8
102.5°	64.5	65.0	65.6	66.2	65.6	65.0	64.5	63.9	62.6	60.5	58.3
105°	67.7	68.5	69.3	70.1	69.3	68.5	67.7	66.9	65.2	63.0	60.8
107.5°	69.7	70.5	71.3	72.1	71.3	70.5	69.7	68.9	69.6	71.9	74.1
110°	70.4	71.2	72.0	72.9	72.0	71.2	70.4	69.6	79.4	99.9	120.4



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	71.6	72.3	72.9	73.6	72.9	72.3	71.6	71.0	108.1	182.8	257.6
115°	119.9	105.1	90.4	75.6	90.4	105.1	119.9	134.6	189.5	284.4	379.3
117.5°	454.2	405.8	357.3	308.8	357.3	405.8	454.2	502.7	538.5	561.5	584.4
120°	645.6	617.9	590.3	562.6	590.3	617.9	645.6	673.3	685.9	683.5	681.0
122.5°	718.2	712.8	707.4	702.1	707.4	712.8	718.2	723.6	725.5	724.0	722.6
125°	786.7	787.3	788.0	788.6	788.0	787.3	786.7	786.1	785.1	783.7	782.2
127.5°	842.8	842.9	843.0	843.1	843.0	842.9	842.8	842.6	841.6	839.5	837.4
130°	877.8	877.5	877.3	877.1	877.3	877.5	877.8	878.0	876.9	874.6	872.4
132.5°	910.9	910.7	910.5	910.3	910.5	910.7	910.9	911.1	910.3	908.4	906.5
135°	959.5	959.1	958.7	958.3	958.7	959.1	959.5	959.9	959.1	957.0	955.0
137.5°	1004.1	1003.4	1002.7	1002.0	1002.7	1003.4	1004.1	1004.8	1004.1	1002.1	1000.1
140°	1032.4	1031.4	1030.4	1029.3	1030.4	1031.4	1032.4	1033.4	1033.0	1031.2	1029.3
142.5°	1058.9	1057.9	1056.9	1055.8	1056.9	1057.9	1058.9	1060.0	1059.7	1057.9	1056.2
145°	1096.0	1095.0	1094.0	1093.0	1094.0	1095.0	1096.0	1097.0	1096.8	1095.4	1094.0
147.5°	1128.1	1127.3	1126.4	1125.6	1126.4	1127.3	1128.1	1129.0	1128.9	1127.8	1126.8
150°	1148.6	1147.5	1146.5	1145.5	1146.5	1147.5	1148.6	1149.6	1149.5	1148.3	1147.0
152.5°	1166.5	1165.2	1163.9	1162.5	1163.9	1165.2	1166.5	1167.9	1167.9	1166.7	1165.5
155°	1191.0	1189.3	1187.7	1186.1	1187.7	1189.3	1191.0	1192.7	1192.9	1191.6	1190.4
157.5°	1212.4	1210.8	1209.2	1207.7	1209.2	1210.8	1212.4	1214.1	1214.2	1212.7	1211.3
160°	1224.5	1223.0	1221.6	1220.2	1221.6	1223.0	1224.5	1226.0	1226.1	1224.9	1223.6
162.5°	1235.9	1234.1	1232.3	1230.5	1232.3	1234.1	1235.9	1237.6	1237.8	1236.4	1235.0
165°	1250.3	1248.9	1247.5	1246.1	1247.5	1248.9	1250.3	1251.7	1251.7	1250.3	1248.9
167.5°	1261.3	1259.5	1257.7	1255.8	1257.7	1259.5	1261.3	1263.1	1263.4	1261.9	1260.5
170°	1267.3	1265.4	1263.5	1261.7	1263.5	1265.4	1267.3	1269.1	1269.3	1267.9	1266.5
172.5°	1271.6	1269.8	1268.0	1266.2	1268.0	1269.8	1271.6	1273.5	1273.7	1272.3	1270.8
175°	1276.2	1274.1	1272.0	1270.0	1272.0	1274.1	1276.2	1278.2	1278.5	1277.1	1275.7
177.5°	1276.9	1275.4	1273.8	1272.4	1273.8	1275.4	1276.9	1278.3	1278.5	1277.4	1276.2
180°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1426.6	1432.4	1441.1	1446.0	1454.3	1459.7	1462.6	1467.9	1470.8	1481.1	1491.9
5°	1347.0	1355.2	1369.7	1383.0	1397.5	1412.4	1423.3	1435.6	1446.9	1466.5	1487.2
7.5°	1255.7	1267.1	1289.4	1310.8	1336.0	1357.1	1375.7	1396.8	1415.7	1443.8	1473.1
10°	1187.2	1207.3	1236.7	1256.8	1289.8	1310.9	1340.3	1363.4	1389.8	1426.8	1459.9
12.5°	1128.2	1152.5	1176.0	1204.0	1233.7	1268.8	1301.1	1330.9	1362.1	1400.5	1439.3
15°	1021.2	1056.2	1092.9	1121.2	1161.4	1198.5	1236.2	1276.4	1314.5	1360.4	1410.9
17.5°	883.4	924.0	985.6	1034.2	1081.4	1118.6	1165.2	1213.9	1258.8	1314.1	1370.4
20°	821.2	851.1	892.8	958.3	1029.5	1069.1	1116.5	1170.1	1221.7	1282.0	1342.3
22.5°	771.2	797.9	831.4	882.4	961.8	1015.9	1065.4	1119.8	1179.6	1241.2	1308.1
25°	700.0	718.6	753.7	794.9	849.5	938.7	992.8	1047.4	1112.5	1178.4	1254.7
27.5°	646.5	663.2	686.0	725.4	766.0	830.0	916.1	975.7	1040.5	1114.7	1193.9
30°	605.7	625.3	650.6	678.4	722.8	772.7	858.8	927.9	991.8	1068.1	1152.7
32.5°	576.0	591.5	613.0	641.3	678.2	726.1	794.9	878.8	941.1	1021.5	1109.7
35°	527.4	545.4	562.9	589.8	619.7	663.5	715.5	805.2	867.1	946.4	1035.1
37.5°	487.3	498.3	517.7	538.9	570.5	603.1	648.2	728.7	795.6	873.5	964.3
40°	456.8	470.6	485.0	508.8	534.5	566.0	610.4	670.1	746.9	823.2	911.9
42.5°	427.1	444.6	459.9	475.7	504.0	535.5	571.6	622.3	700.7	773.0	859.1
45°	391.2	402.6	418.6	436.1	459.3	486.1	518.1	562.4	637.6	700.0	780.9
47.5°	349.6	366.2	376.6	393.7	415.8	441.3	471.1	509.4	570.4	628.8	703.9
50°	321.1	338.2	353.1	368.6	388.2	412.9	437.7	474.7	523.7	585.1	655.2
52.5°	296.8	311.7	326.3	341.7	360.9	383.6	407.2	439.7	481.7	538.1	606.1
55°	263.4	272.7	287.6	303.1	320.1	341.7	364.5	391.7	427.9	475.2	530.5
57.5°	229.1	239.9	251.8	267.3	284.6	301.1	321.5	346.3	374.8	417.7	464.8
60°	209.8	218.0	227.8	243.8	259.8	274.8	294.4	315.0	341.7	378.9	419.1
62.5°	188.3	196.2	205.2	219.0	234.7	248.3	265.5	287.3	310.0	343.9	379.1
65°	152.6	163.9	172.7	185.1	197.9	212.4	225.8	243.3	263.4	290.2	321.6
67.5°	126.5	132.3	140.4	151.7	164.8	177.2	190.0	203.6	221.1	241.8	266.7
70°	114.9	117.0	118.6	129.4	141.8	154.1	166.0	178.8	193.8	210.9	232.5
72.5°	101.4	103.4	105.3	110.0	119.9	132.3	144.5	154.1	168.2	182.4	200.0
75°	80.4	83.5	85.0	87.7	91.3	99.5	110.8	120.1	128.4	139.2	153.1
77.5°	61.2	63.0	64.6	67.4	69.6	73.4	79.8	88.2	95.8	102.2	111.8
80°	48.5	49.0	51.0	52.1	55.1	57.8	60.8	67.6	75.2	77.9	84.5
82.5°	36.5	37.1	38.7	39.7	41.1	43.3	47.3	49.0	55.0	58.5	62.7
85°	20.1	19.6	21.1	21.1	22.1	23.2	24.2	26.8	28.4	32.5	33.5
87.5°	10.1	9.9	10.0	9.6	9.3	9.8	9.8	9.8	10.2	10.9	12.1
90°	19.5	18.5	16.8	15.1	13.5	11.9	9.9	7.7	5.5	3.1	0.9
92.5°	21.9	21.4	20.6	19.8	19.0	18.1	17.8	18.0	18.2	18.4	18.6
95°	37.0	36.0	34.5	33.1	31.7	30.2	32.9	39.7	46.5	53.2	60.0
97.5°	49.0	48.2	44.8	41.5	38.2	34.8	42.7	61.8	80.9	99.9	119.0
100°	54.2	52.6	49.1	45.6	42.1	38.7	50.9	79.0	107.0	135.1	163.3
102.5°	56.1	54.0	83.2	112.3	141.5	170.7	188.1	194.1	200.1	206.0	212.0
105°	58.5	56.2	112.2	168.1	224.1	280.0	305.0	298.8	292.7	286.5	280.3
107.5°	76.4	78.8	145.8	213.0	280.0	347.2	378.3	373.2	368.3	363.3	358.4
110°	140.9	161.4	220.7	279.8	339.1	398.3	425.8	421.5	417.2	412.9	408.6



TEST NUMBER: P331693-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	332.3	407.1	421.7	436.4	451.0	465.6	471.0	467.3	463.4	459.6	455.8
115°	474.1	569.1	563.9	558.9	553.7	548.6	544.2	540.8	537.2	533.8	530.3
117.5°	607.3	630.3	626.8	623.3	619.8	616.2	612.5	608.6	604.7	600.8	596.9
120°	678.5	676.0	672.4	668.6	665.0	661.3	657.9	654.8	651.8	648.6	645.6
122.5°	721.0	719.6	715.6	711.6	707.5	703.5	699.8	696.6	693.4	690.1	686.9
125°	780.8	779.3	775.5	771.5	767.7	763.8	760.5	757.8	755.2	752.5	749.8
127.5°	835.3	833.2	830.3	827.4	824.5	821.5	818.6	815.7	812.7	809.8	806.8
130°	870.1	867.9	865.7	863.3	861.1	858.9	856.1	852.8	849.5	846.3	843.0
132.5°	904.5	902.5	900.3	898.1	895.9	893.5	891.0	888.3	885.4	882.6	879.9
135°	952.9	950.9	949.1	947.3	945.3	943.5	941.0	937.7	934.4	931.1	927.9
137.5°	998.0	996.1	994.0	991.9	989.8	987.7	985.5	983.2	981.0	978.7	976.3
140°	1027.4	1025.6	1023.4	1021.1	1018.9	1016.6	1014.6	1013.0	1011.4	1009.8	1008.0
142.5°	1054.6	1052.9	1050.4	1047.7	1045.1	1042.6	1040.6	1039.1	1037.6	1036.1	1034.6
145°	1092.5	1091.1	1087.6	1084.1	1080.7	1077.1	1075.5	1075.7	1075.9	1076.1	1076.3
147.5°	1125.7	1124.7	1121.3	1117.8	1114.3	1110.9	1109.5	1110.3	1111.2	1111.9	1112.7
150°	1145.8	1144.6	1141.3	1138.0	1134.8	1131.5	1130.5	1132.0	1133.4	1134.9	1136.3
152.5°	1164.3	1163.1	1159.9	1156.8	1153.7	1150.5	1149.8	1151.4	1153.0	1154.6	1156.2
155°	1189.1	1187.9	1185.5	1183.1	1180.5	1178.1	1177.8	1179.6	1181.4	1183.4	1185.2
157.5°	1210.0	1208.6	1206.9	1205.2	1203.5	1201.7	1201.6	1203.2	1204.8	1206.3	1207.8
160°	1222.3	1221.1	1219.9	1218.7	1217.4	1216.2	1216.2	1217.4	1218.7	1219.9	1221.1
162.5°	1233.6	1232.2	1231.1	1230.0	1229.0	1227.9	1228.0	1229.2	1230.5	1231.7	1232.9
165°	1247.5	1246.1	1245.5	1244.8	1244.2	1243.5	1243.9	1245.1	1246.4	1247.6	1248.8
167.5°	1259.1	1257.7	1257.1	1256.5	1256.0	1255.4	1255.7	1256.9	1258.2	1259.4	1260.6
170°	1265.0	1263.5	1263.1	1262.7	1262.3	1261.9	1262.3	1263.5	1264.8	1266.0	1267.3
172.5°	1269.4	1268.0	1267.6	1267.2	1266.8	1266.4	1266.8	1268.0	1269.2	1270.4	1271.6
175°	1274.2	1272.7	1272.3	1271.9	1271.5	1271.1	1271.6	1273.0	1274.6	1276.0	1277.4
177.5°	1275.1	1273.8	1273.7	1273.5	1273.4	1273.2	1273.7	1274.9	1276.1	1277.2	1278.3
180°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7



TEST NUMBER: P331693-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1492.3	1493.5	1501.8	1505.4	1512.9	1515.7	1519.0	1518.2	1518.2	1519.8	1531.5
5°	1495.4	1505.7	1521.2	1536.1	1550.5	1563.0	1571.2	1579.4	1582.6	1597.5	1610.9
7.5°	1490.1	1509.0	1534.6	1557.4	1584.7	1606.1	1623.8	1639.8	1650.7	1672.4	1694.8
10°	1483.1	1509.8	1538.7	1568.1	1605.8	1634.1	1662.9	1685.2	1692.3	1724.8	1743.4
12.5°	1469.1	1504.9	1541.7	1579.6	1616.5	1655.6	1687.3	1709.5	1734.8	1764.0	1798.3
15°	1448.0	1489.2	1537.2	1586.2	1638.7	1686.2	1720.2	1758.9	1786.7	1818.7	1848.6
17.5°	1417.7	1470.9	1531.9	1588.5	1649.3	1700.3	1747.1	1784.2	1803.8	1822.0	1826.4
20°	1393.9	1451.1	1522.8	1589.7	1650.6	1709.4	1755.8	1786.7	1791.8	1792.3	1765.0
22.5°	1367.9	1432.5	1507.5	1576.2	1648.9	1714.3	1750.4	1763.6	1743.1	1708.2	1655.4
25°	1320.2	1394.9	1482.1	1560.3	1639.8	1701.6	1714.0	1690.8	1619.1	1543.9	1448.6
27.5°	1268.4	1352.4	1445.8	1533.0	1617.5	1655.9	1629.1	1545.5	1416.4	1304.2	1168.3
30°	1230.5	1324.8	1416.5	1514.0	1592.4	1608.8	1547.5	1424.3	1273.7	1104.7	969.2
32.5°	1187.2	1286.1	1386.8	1487.6	1553.2	1537.1	1435.7	1284.0	1107.6	941.4	813.2
35°	1125.3	1227.4	1336.2	1437.1	1478.9	1409.4	1257.8	1060.4	879.9	724.8	636.6
37.5°	1053.9	1165.0	1278.1	1370.9	1367.9	1251.9	1045.5	841.7	690.0	598.2	535.5
40°	1003.1	1115.5	1237.7	1316.1	1282.5	1131.5	907.8	715.5	604.7	531.5	485.5
42.5°	954.5	1067.2	1188.6	1250.9	1192.7	1006.9	784.1	633.4	542.0	484.8	447.7
45°	871.7	990.8	1103.2	1137.7	1033.6	828.9	634.1	524.7	463.9	421.7	395.9
47.5°	790.7	907.9	1010.5	1011.1	870.2	672.2	534.8	454.1	402.2	369.5	350.7
50°	741.2	852.6	938.7	925.3	765.5	597.9	478.4	408.8	365.5	340.2	320.6
52.5°	685.6	793.7	868.2	830.0	676.8	526.2	427.7	369.2	333.4	311.3	293.9
55°	604.7	700.5	753.2	695.4	552.1	437.7	361.3	315.5	288.7	270.1	255.2
57.5°	525.1	604.3	637.3	570.2	454.7	362.9	305.7	271.2	244.7	231.4	223.6
60°	475.2	542.8	566.0	491.8	395.4	317.5	270.6	238.6	219.0	210.4	202.6
62.5°	426.2	481.4	491.0	422.9	344.7	277.9	237.6	210.7	197.6	189.2	182.0
65°	353.7	393.3	388.7	334.1	272.7	220.7	191.3	174.7	164.9	153.1	140.2
67.5°	291.1	315.4	300.7	259.8	208.1	171.5	152.3	139.8	127.6	116.4	113.4
70°	251.6	265.5	250.0	212.4	170.7	143.8	128.4	113.4	106.2	103.6	99.0
72.5°	213.6	218.4	201.8	169.5	138.9	119.1	104.0	95.6	91.8	89.6	86.6
75°	160.4	156.7	142.3	117.0	96.4	83.0	78.4	75.2	72.7	70.6	69.1
77.5°	112.6	107.3	94.4	78.0	67.2	60.7	58.0	56.2	55.0	54.0	52.5
80°	84.5	80.9	68.1	55.6	51.0	48.0	46.4	44.3	44.3	43.3	41.7
82.5°	61.9	57.9	46.6	40.8	38.3	36.4	35.2	34.0	33.6	33.8	32.7
85°	32.5	26.3	23.2	22.1	20.6	19.6	20.1	19.1	19.1	19.1	18.6
87.5°	10.5	8.9	9.0	9.0	9.8	10.1	10.0	10.4	11.1	10.9	11.5
90°	3.1	5.5	7.7	9.9	11.9	13.5	15.1	16.8	18.5	19.5	20.5
92.5°	18.4	18.2	18.0	17.8	18.1	19.0	19.8	20.6	21.4	21.9	22.4
95°	53.2	46.5	39.7	32.9	30.2	31.7	33.1	34.5	36.0	37.0	38.0
97.5°	99.9	80.9	61.8	42.7	34.8	38.2	41.5	44.8	48.2	49.0	49.8
100°	135.1	107.0	79.0	50.9	38.7	42.1	45.6	49.1	52.6	54.2	55.8
102.5°	206.0	200.1	194.1	188.1	170.7	141.5	112.3	83.2	54.0	56.1	58.3
105°	286.5	292.7	298.8	305.0	280.0	224.1	168.1	112.2	56.2	58.5	60.8
107.5°	363.3	368.3	373.2	378.3	347.2	280.0	213.0	145.8	78.8	76.4	74.1
110°	412.9	417.2	421.5	425.8	398.3	339.1	279.8	220.7	161.4	140.9	120.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	459.6	463.4	467.3	471.0	465.6	451.0	436.4	421.7	407.1	332.3	257.6
115°	533.8	537.2	540.8	544.2	548.6	553.7	558.9	563.9	569.1	474.1	379.3
117.5°	600.8	604.7	608.6	612.5	616.2	619.8	623.3	626.8	630.3	607.3	584.4
120°	648.6	651.8	654.8	657.9	661.3	665.0	668.6	672.4	676.0	678.5	681.0
122.5°	690.1	693.4	696.6	699.8	703.5	707.5	711.6	715.6	719.6	721.0	722.6
125°	752.5	755.2	757.8	760.5	763.8	767.7	771.5	775.5	779.3	780.8	782.2
127.5°	809.8	812.7	815.7	818.6	821.5	824.5	827.4	830.3	833.2	835.3	837.4
130°	846.3	849.5	852.8	856.1	858.9	861.1	863.3	865.7	867.9	870.1	872.4
132.5°	882.6	885.4	888.3	891.0	893.5	895.9	898.1	900.3	902.5	904.5	906.5
135°	931.1	934.4	937.7	941.0	943.5	945.3	947.3	949.1	950.9	952.9	955.0
137.5°	978.7	981.0	983.2	985.5	987.7	989.8	991.9	994.0	996.1	998.0	1000.1
140°	1009.8	1011.4	1013.0	1014.6	1016.6	1018.9	1021.1	1023.4	1025.6	1027.4	1029.3
142.5°	1036.1	1037.6	1039.1	1040.6	1042.6	1045.1	1047.7	1050.4	1052.9	1054.6	1056.2
145°	1076.1	1075.9	1075.7	1075.5	1077.1	1080.7	1084.1	1087.6	1091.1	1092.5	1094.0
147.5°	1111.9	1111.2	1110.3	1109.5	1110.9	1114.3	1117.8	1121.3	1124.7	1125.7	1126.8
150°	1134.9	1133.4	1132.0	1130.5	1131.5	1134.8	1138.0	1141.3	1144.6	1145.8	1147.0
152.5°	1154.6	1153.0	1151.4	1149.8	1150.5	1153.7	1156.8	1159.9	1163.1	1164.3	1165.5
155°	1183.4	1181.4	1179.6	1177.8	1178.1	1180.5	1183.1	1185.5	1187.9	1189.1	1190.4
157.5°	1206.3	1204.8	1203.2	1201.6	1201.7	1203.5	1205.2	1206.9	1208.6	1210.0	1211.3
160°	1219.9	1218.7	1217.4	1216.2	1216.2	1217.4	1218.7	1219.9	1221.1	1222.3	1223.6
162.5°	1231.7	1230.5	1229.2	1228.0	1227.9	1229.0	1230.0	1231.1	1232.2	1233.6	1235.0
165°	1247.6	1246.4	1245.1	1243.9	1243.5	1244.2	1244.8	1245.5	1246.1	1247.5	1248.9
167.5°	1259.4	1258.2	1256.9	1255.7	1255.4	1256.0	1256.5	1257.1	1257.7	1259.1	1260.5
170°	1266.0	1264.8	1263.5	1262.3	1261.9	1262.3	1262.7	1263.1	1263.5	1265.0	1266.5
172.5°	1270.4	1269.2	1268.0	1266.8	1266.4	1266.8	1267.2	1267.6	1268.0	1269.4	1270.8
175°	1276.0	1274.6	1273.0	1271.6	1271.1	1271.5	1271.9	1272.3	1272.7	1274.2	1275.7
177.5°	1277.2	1276.1	1274.9	1273.7	1273.2	1273.4	1273.5	1273.7	1273.8	1275.1	1276.2
180°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1535.5	1540.9	1543.4	1543.4	1546.3	1545.0	1543.8
5°	1623.8	1633.6	1635.7	1645.0	1651.6	1649.5	1650.6
7.5°	1711.5	1727.3	1742.8	1750.0	1751.1	1755.2	1756.8
10°	1765.5	1778.5	1802.7	1799.1	1817.1	1827.5	1810.4
12.5°	1817.6	1834.9	1851.7	1856.3	1866.6	1869.9	1863.2
15°	1864.5	1873.8	1874.8	1872.3	1875.3	1872.8	1863.0
17.5°	1820.6	1805.5	1775.0	1760.6	1749.2	1732.2	1725.5
20°	1748.0	1703.6	1652.1	1631.5	1607.3	1559.8	1571.2
22.5°	1591.3	1540.8	1489.2	1429.1	1400.3	1355.3	1352.6
25°	1347.5	1260.4	1164.5	1097.5	1058.3	1013.5	993.9
27.5°	1047.6	938.0	859.4	819.6	783.5	747.9	746.4
30°	850.5	768.1	707.2	673.3	651.1	636.1	639.2
32.5°	716.9	660.5	619.5	591.2	574.8	563.5	563.3
35°	586.1	547.4	521.2	509.3	497.5	489.2	489.7
37.5°	501.6	478.4	463.7	450.6	443.2	439.2	437.0
40°	458.3	439.2	427.9	420.1	413.9	408.3	407.3
42.5°	424.0	408.3	396.9	390.8	385.1	381.0	380.0
45°	376.3	363.5	353.1	346.4	343.9	340.2	340.2
47.5°	334.8	322.0	314.1	309.8	305.4	303.0	302.9
50°	306.7	296.9	289.7	287.1	283.5	282.0	281.4
52.5°	281.6	274.3	269.1	267.3	265.8	263.8	264.2
55°	247.4	243.3	241.3	239.7	237.1	234.0	236.1
57.5°	218.6	215.2	209.6	204.8	202.4	200.3	201.1
60°	198.4	191.3	184.0	178.3	176.8	172.2	172.2
62.5°	172.9	162.8	153.9	150.8	149.2	147.0	146.6
65°	133.0	128.9	126.8	124.7	123.7	123.7	122.7
67.5°	110.2	108.6	106.3	105.7	104.7	104.4	104.1
70°	97.5	95.3	94.3	93.8	92.8	93.3	91.8
72.5°	85.0	83.4	83.2	81.9	81.2	81.3	80.2
75°	67.1	67.1	66.4	65.9	64.9	64.4	64.9
77.5°	51.5	51.6	50.7	50.6	50.5	50.6	50.1
80°	41.2	41.7	41.2	40.7	40.2	40.7	40.2
82.5°	32.6	31.8	31.7	31.6	31.5	31.2	31.1
85°	18.6	19.1	18.6	18.1	18.1	18.1	18.6
87.5°	11.3	11.5	11.6	11.7	11.8	11.9	11.6
90°	21.5	22.5	23.2	23.6	24.0	24.5	24.9
92.5°	23.0	23.5	23.9	24.1	24.4	24.6	24.9
95°	39.1	40.1	40.5	40.3	40.1	39.9	39.7
97.5°	50.6	51.4	51.9	52.2	52.4	52.7	52.9
100°	57.5	59.2	60.2	60.6	61.0	61.4	61.8
102.5°	60.5	62.6	63.9	64.5	65.0	65.6	66.2
105°	63.0	65.2	66.9	67.7	68.5	69.3	70.1
107.5°	71.9	69.6	68.9	69.7	70.5	71.3	72.1
110°	99.9	79.4	69.6	70.4	71.2	72.0	72.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	182.8	108.1	71.0	71.6	72.3	72.9	73.6
115°	284.4	189.5	134.6	119.9	105.1	90.4	75.6
117.5°	561.5	538.5	502.7	454.2	405.8	357.3	308.8
120°	683.5	685.9	673.3	645.6	617.9	590.3	562.6
122.5°	724.0	725.5	723.6	718.2	712.8	707.4	702.1
125°	783.7	785.1	786.1	786.7	787.3	788.0	788.6
127.5°	839.5	841.6	842.6	842.8	842.9	843.0	843.1
130°	874.6	876.9	878.0	877.8	877.5	877.3	877.1
132.5°	908.4	910.3	911.1	910.9	910.7	910.5	910.3
135°	957.0	959.1	959.9	959.5	959.1	958.7	958.3
137.5°	1002.1	1004.1	1004.8	1004.1	1003.4	1002.7	1002.0
140°	1031.2	1033.0	1033.4	1032.4	1031.4	1030.4	1029.3
142.5°	1057.9	1059.7	1060.0	1058.9	1057.9	1056.9	1055.8
145°	1095.4	1096.8	1097.0	1096.0	1095.0	1094.0	1093.0
147.5°	1127.8	1128.9	1129.0	1128.1	1127.3	1126.4	1125.6
150°	1148.3	1149.5	1149.6	1148.6	1147.5	1146.5	1145.5
152.5°	1166.7	1167.9	1167.9	1166.5	1165.2	1163.9	1162.5
155°	1191.6	1192.9	1192.7	1191.0	1189.3	1187.7	1186.1
157.5°	1212.7	1214.2	1214.1	1212.4	1210.8	1209.2	1207.7
160°	1224.9	1226.1	1226.0	1224.5	1223.0	1221.6	1220.2
162.5°	1236.4	1237.8	1237.6	1235.9	1234.1	1232.3	1230.5
165°	1250.3	1251.7	1251.7	1250.3	1248.9	1247.5	1246.1
167.5°	1261.9	1263.4	1263.1	1261.3	1259.5	1257.7	1255.8
170°	1267.9	1269.3	1269.1	1267.3	1265.4	1263.5	1261.7
172.5°	1272.3	1273.7	1273.5	1271.6	1269.8	1268.0	1266.2
175°	1277.1	1278.5	1278.2	1276.2	1274.1	1272.0	1270.0
177.5°	1277.4	1278.5	1278.3	1276.9	1275.4	1273.8	1272.4
180°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7

(END OF REPORT)