

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: P331838-935

Luminaire Tested: **S122RDIW-S865D1240U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331838-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S865D1240U935-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

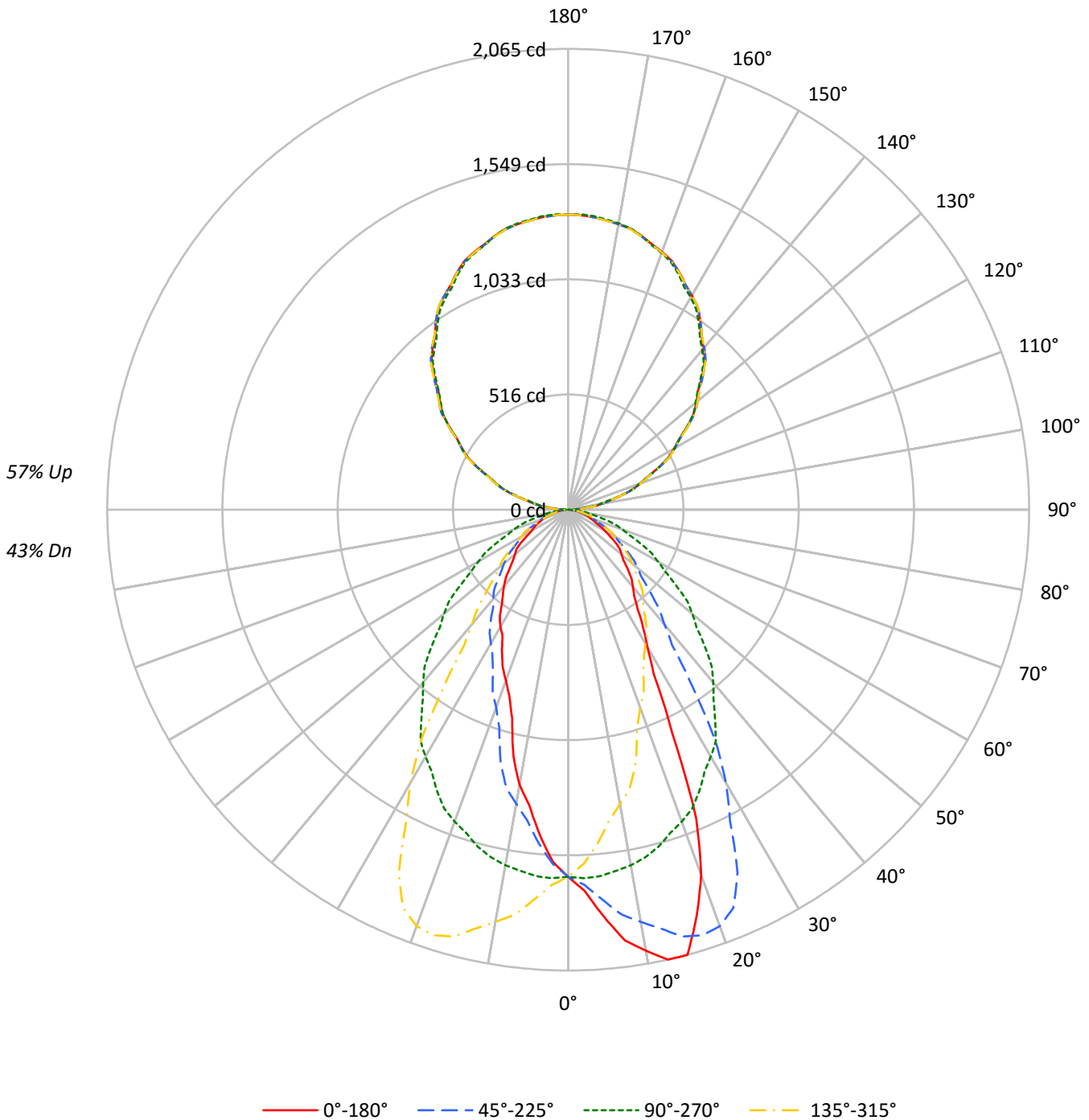
Lumens per Lamp: N/A  
Luminaire Lumens: 6545.9 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 69.8  
Input Voltage (V): 120  
Input Current (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	97	97	97	97	80	80	80	64	64	64	50	50	50	43
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	45	44	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	82	73	66	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	65	57	52	68	60	53	48	50	46	42	42	38	35	33	31	29	25
5	69	58	50	45	63	54	47	42	45	40	37	38	34	31	30	28	26	23
6	64	52	45	39	58	49	42	37	41	36	32	34	31	28	28	25	23	20
7	59	48	40	35	54	44	37	33	38	33	29	32	28	25	26	23	21	18
8	55	43	36	31	51	40	34	29	35	29	26	29	25	22	24	21	19	17
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	17	15
10	48	37	30	25	44	34	28	24	29	25	21	25	21	19	21	18	16	14

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

	0°	90°	180°	270°
0°	26547	26547	26547	26547
5°	29648	26712	23686	26712
10°	32893	26525	20530	26525
15°	34511	26136	16177	26136
20°	29919	25560	13998	25560
25°	19621	24772	12497	24772
30°	13207	23815	11311	23815
35°	10697	22610	10200	22610
40°	9512	21300	9440	21300
45°	8608	19763	8426	19763
50°	7834	18239	7804	18239
55°	7367	16549	7268	16549
60°	6161	14996	6090	14996
65°	5196	13620	5891	13620
70°	4801	12161	5556	12161
75°	4492	10586	5128	10586
80°	4147	8712	4575	8712
85°	3816	6873	4020	6873



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	2.4
10°-20°	434.3	6.6
20°-30°	559.6	8.5
30°-40°	531.8	8.1
40°-50°	455.6	7.0
50°-60°	346.9	5.3
60°-70°	219.3	3.4
70°-80°	109.5	1.7
80°-90°	33.8	0.5
90°-100°	83.8	1.3
100°-110°	260.4	4.0
110°-120°	445.0	6.8
120°-130°	585.3	8.9
130°-140°	656.9	10.0
140°-150°	644.1	9.8
150°-160°	540.2	8.3
160°-170°	358.3	5.5
170°-180°	125.2	1.9
0°-30°	1149.8	17.6
0°-40°	1681.6	25.7
0°-60°	2484.1	37.9
0°-90°	2846.7	43.5
90°-120°	789.2	12.1
90°-150°	2675.4	40.9
90°-180°	3699.0	56.5
0°-180°	6545.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1829	1648	1461	1648	1829	181
15°	2065	1564	968	1564	2065	557
25°	1101	1390	702	1390	1101	523
35°	543	1147	518	1147	543	347
45°	377	866	369	866	377	292
55°	262	588	258	588	262	230
65°	136	356	154	356	136	138
75°	72	170	82	170	72	76
85°	21	37	22	37	21	23
90°	38	1	38	1	38	17
95°	69	58	69	58	69	77
105°	248	240	248	240	248	261
115°	447	447	447	447	447	441
125°	652	650	652	650	652	581
135°	851	841	851	841	851	655
145°	1032	1020	1032	1020	1032	644
155°	1176	1167	1176	1167	1176	541
165°	1270	1269	1270	1269	1270	358
175°	1316	1321	1316	1321	1316	125
180°	1323	1323	1323	1323	1323	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1710.9	1712.3	1713.6	1710.4	1710.4	1707.7	1701.8	1697.2	1684.4	1682.6	1682.6
5°	1829.3	1828.1	1830.4	1823.0	1812.7	1810.4	1799.6	1785.3	1770.4	1753.9	1750.4
7.5°	1946.9	1945.2	1940.6	1939.4	1931.5	1914.3	1896.8	1878.2	1853.5	1829.4	1817.2
10°	2006.3	2025.2	2013.8	1993.7	1997.8	1970.9	1956.6	1932.1	1911.5	1875.5	1867.5
12.5°	2064.9	2072.3	2068.6	2057.3	2052.2	2033.5	2014.2	1992.9	1954.9	1922.6	1894.5
15°	2064.6	2075.4	2078.3	2074.9	2077.8	2076.6	2066.3	2048.6	2015.5	1980.0	1949.2
17.5°	1912.2	1919.8	1938.5	1951.1	1967.1	2001.0	2017.7	2024.1	2019.2	1999.0	1977.3
20°	1741.3	1728.7	1781.2	1808.1	1830.9	1888.1	1937.2	1956.1	1986.3	1985.8	1980.0
22.5°	1499.0	1502.0	1551.9	1583.7	1650.5	1707.5	1763.6	1834.5	1893.1	1931.8	1954.5
25°	1101.4	1123.2	1172.9	1216.2	1290.6	1396.8	1493.3	1605.3	1711.0	1794.4	1873.8
27.5°	827.2	828.8	868.2	908.4	952.4	1039.5	1161.1	1294.8	1445.4	1569.8	1712.8
30°	708.4	705.0	721.5	746.1	783.8	851.2	942.6	1074.0	1224.3	1411.6	1578.5
32.5°	624.3	624.5	637.0	655.1	686.5	731.9	794.5	901.3	1043.3	1227.4	1423.1
35°	542.7	542.2	551.3	564.4	577.6	606.7	649.5	705.5	803.2	975.2	1175.1
37.5°	484.2	486.7	491.2	499.4	513.9	530.1	555.9	593.5	663.1	764.7	932.8
40°	451.3	452.5	458.7	465.6	474.2	486.7	507.9	538.1	589.0	670.1	792.9
42.5°	421.1	422.3	426.7	433.2	439.9	452.5	469.9	496.1	537.4	600.6	702.0
45°	377.0	377.0	381.1	383.9	391.3	402.8	417.1	438.8	467.3	514.2	581.6
47.5°	335.7	335.8	338.5	343.4	348.0	357.0	371.0	388.7	409.5	445.7	503.3
50°	311.9	312.5	314.2	318.2	321.1	329.1	339.9	355.3	377.0	405.0	453.1
52.5°	292.7	292.4	294.5	296.3	298.3	303.9	312.0	325.6	345.1	369.4	409.1
55°	261.7	259.3	262.8	265.6	267.3	269.7	274.2	282.8	299.4	319.9	349.7
57.5°	222.8	221.9	224.3	226.9	232.3	238.4	242.4	247.8	256.4	271.1	300.6
60°	190.8	190.8	196.0	197.7	204.0	212.0	220.0	224.5	233.1	242.8	264.5
62.5°	162.5	162.9	165.3	167.0	170.6	180.4	191.6	201.6	209.7	219.0	233.4
65°	136.0	137.1	137.1	138.3	140.5	142.8	147.4	155.4	169.7	182.8	193.6
67.5°	115.4	115.7	116.1	117.3	117.8	120.3	122.2	125.7	129.0	141.5	154.9
70°	101.7	103.4	102.8	104.0	104.5	105.6	108.0	109.7	114.9	117.7	125.7
72.5°	88.9	90.1	90.1	90.7	92.2	92.5	94.3	96.0	99.3	101.7	106.0
75°	72.0	71.4	72.0	73.1	73.7	74.3	74.3	76.5	78.3	80.6	83.4
77.5°	55.5	56.1	56.0	56.1	56.2	57.3	57.2	58.1	59.8	61.0	62.4
80°	44.6	45.1	44.6	45.1	45.7	46.2	45.7	46.2	48.0	49.2	49.2
82.5°	34.5	34.6	35.0	35.0	35.2	35.3	36.1	36.2	37.5	37.3	37.7
85°	20.6	20.0	20.0	20.0	20.6	21.1	20.6	20.6	21.1	21.1	21.1
87.5°	14.9	15.3	15.2	15.2	15.2	15.2	15.3	15.8	15.5	16.0	14.5
90°	38.0	37.7	37.5	37.2	36.9	37.1	37.6	38.1	38.6	39.1	33.6
92.5°	36.2	36.2	36.1	36.0	36.0	35.9	35.8	35.7	35.6	35.5	34.2
95°	69.2	69.7	70.2	70.7	71.2	71.5	71.5	71.5	71.5	71.5	70.9
97.5°	119.9	119.9	120.0	120.0	120.1	120.1	120.1	120.1	120.1	120.1	119.2
100°	152.9	153.2	153.4	153.7	153.9	154.0	154.0	154.0	154.0	154.0	153.3
102.5°	190.5	190.7	191.0	191.2	191.5	191.5	191.3	191.1	190.9	190.7	189.8
105°	247.9	247.9	247.9	247.9	247.9	247.6	247.1	246.6	246.1	245.6	245.1
107.5°	301.9	303.0	304.2	305.3	306.4	306.9	306.7	306.5	306.3	306.1	306.1
110°	343.9	344.6	345.3	346.1	346.8	347.2	347.2	347.2	347.2	347.2	347.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	384.0	384.6	385.1	385.6	386.2	386.8	387.4	388.0	388.6	389.2	389.3
115°	446.6	447.3	448.1	448.8	449.5	450.0	450.3	450.6	450.8	451.0	451.5
117.5°	506.2	507.0	507.6	508.4	509.2	509.8	510.4	511.0	511.6	512.2	513.6
120°	548.2	548.9	549.7	550.4	551.1	551.5	551.5	551.5	551.5	551.5	553.5
122.5°	589.3	589.8	590.3	590.9	591.4	592.0	592.6	593.2	593.7	594.3	595.7
125°	651.9	652.2	652.5	652.7	653.0	653.5	654.2	655.0	655.7	656.4	657.2
127.5°	709.1	710.0	710.8	711.5	712.3	713.2	714.0	715.0	715.8	716.7	717.6
130°	750.2	751.2	752.3	753.2	754.2	754.9	755.4	756.0	756.4	756.9	757.4
132.5°	789.5	790.3	791.1	791.9	792.7	793.7	794.7	795.8	796.9	798.0	797.9
135°	850.7	851.4	852.2	852.9	853.7	854.2	854.5	854.7	854.9	855.1	854.7
137.5°	906.1	907.1	908.1	909.0	910.1	910.7	910.9	911.0	911.3	911.5	910.8
140°	944.5	945.5	946.5	947.4	948.5	948.9	948.9	948.9	948.9	948.9	947.7
142.5°	979.3	980.3	981.3	982.3	983.3	983.7	983.5	983.3	983.1	982.9	982.1
145°	1031.6	1032.6	1033.5	1034.6	1035.5	1035.9	1035.7	1035.4	1035.2	1034.9	1033.5
147.5°	1078.2	1079.2	1080.1	1081.1	1082.0	1082.2	1081.7	1081.1	1080.6	1080.0	1079.0
150°	1108.6	1109.3	1110.1	1110.9	1111.6	1111.6	1110.9	1110.1	1109.3	1108.6	1107.6
152.5°	1137.2	1138.2	1139.1	1140.0	1140.9	1140.9	1140.0	1139.1	1138.2	1137.2	1136.0
155°	1175.6	1176.3	1177.1	1177.8	1178.5	1178.3	1177.1	1175.9	1174.6	1173.4	1172.6
157.5°	1208.6	1209.8	1211.0	1212.2	1213.4	1213.1	1211.4	1209.8	1208.1	1206.4	1205.9
160°	1229.2	1230.2	1231.1	1232.2	1233.1	1232.9	1231.4	1229.9	1228.4	1226.9	1226.7
162.5°	1247.1	1248.2	1249.4	1250.6	1251.8	1251.5	1249.8	1248.2	1246.5	1244.8	1244.6
165°	1270.5	1271.7	1273.0	1274.2	1275.4	1275.2	1273.4	1271.7	1270.0	1268.3	1268.3
167.5°	1289.7	1291.0	1292.3	1293.6	1294.9	1294.6	1292.9	1291.2	1289.4	1287.6	1287.7
170°	1299.5	1301.0	1302.5	1304.0	1305.4	1305.4	1303.6	1301.8	1300.1	1298.4	1298.6
172.5°	1307.5	1309.1	1310.5	1312.0	1313.5	1313.4	1311.6	1309.9	1308.2	1306.4	1306.7
175°	1316.2	1317.8	1319.2	1320.7	1322.2	1322.1	1320.3	1318.6	1316.9	1315.1	1315.6
177.5°	1320.3	1321.5	1322.7	1323.9	1325.0	1325.0	1323.9	1322.7	1321.5	1320.3	1320.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1683.4	1679.8	1676.6	1668.4	1664.2	1655.1	1653.7	1653.3	1641.4	1630.0	1626.8
5°	1741.3	1732.2	1718.4	1702.5	1685.8	1668.7	1657.3	1648.1	1625.3	1603.6	1591.0
7.5°	1799.6	1779.9	1756.3	1726.0	1700.7	1672.4	1651.3	1632.5	1600.1	1569.0	1548.1
10°	1843.0	1810.9	1779.5	1737.8	1705.3	1673.3	1643.6	1617.9	1581.3	1540.2	1511.1
12.5°	1869.9	1834.7	1791.4	1750.7	1708.5	1667.8	1628.1	1595.0	1552.0	1509.6	1474.9
15°	1906.3	1868.6	1816.1	1757.8	1703.6	1650.5	1604.7	1563.6	1507.6	1456.7	1414.5
17.5°	1936.2	1884.3	1827.9	1760.5	1697.6	1630.1	1571.2	1518.7	1456.4	1395.1	1345.2
20°	1945.8	1894.4	1829.3	1761.9	1687.6	1608.2	1544.7	1487.6	1420.7	1353.9	1296.8
22.5°	1939.8	1899.9	1827.4	1746.7	1670.7	1587.6	1516.0	1449.7	1375.5	1307.3	1241.0
25°	1899.5	1885.8	1817.2	1729.2	1642.4	1545.9	1463.0	1390.5	1306.0	1232.9	1160.8
27.5°	1805.5	1835.0	1792.6	1698.8	1602.3	1498.8	1405.7	1323.1	1235.4	1153.1	1081.3
30°	1715.0	1783.0	1764.7	1677.8	1569.9	1468.2	1363.7	1277.4	1183.7	1099.2	1028.3
32.5°	1591.1	1703.4	1721.3	1648.6	1537.0	1425.2	1315.7	1229.9	1132.0	1042.9	973.9
35°	1394.0	1561.9	1639.0	1592.8	1480.7	1360.2	1247.1	1147.1	1048.9	960.9	892.3
37.5°	1158.6	1387.4	1516.0	1519.2	1416.4	1291.1	1167.9	1068.7	968.1	881.8	807.5
40°	1006.0	1254.0	1421.3	1458.4	1371.7	1236.2	1111.7	1010.6	912.3	827.8	742.7
42.5°	868.9	1115.9	1321.7	1386.3	1317.2	1182.8	1057.8	952.1	856.6	776.6	689.7
45°	702.7	918.6	1145.4	1260.8	1222.5	1098.0	966.0	865.5	775.8	706.7	623.3
47.5°	592.8	744.9	964.4	1120.5	1119.8	1006.2	876.3	780.1	696.8	632.1	564.6
50°	530.1	662.7	848.3	1025.5	1040.3	944.9	821.5	726.1	648.4	580.4	526.2
52.5°	473.9	583.2	750.1	919.9	962.2	879.5	759.8	671.8	596.3	533.8	487.3
55°	400.5	485.0	611.8	770.7	834.7	776.4	670.1	587.9	526.8	474.2	434.2
57.5°	338.8	402.2	503.9	631.8	706.4	669.7	582.0	515.2	462.9	415.3	383.7
60°	299.9	351.9	438.2	545.0	627.2	601.6	526.8	464.4	419.9	378.8	349.0
62.5°	263.4	308.1	381.9	468.6	544.1	533.5	472.3	420.1	381.1	343.5	318.4
65°	212.0	244.5	302.2	370.2	430.8	435.9	391.9	356.5	321.7	292.0	269.7
67.5°	168.8	190.0	230.7	287.9	333.3	349.5	322.6	295.6	267.9	245.0	225.7
70°	142.2	159.4	189.1	235.4	277.1	294.2	278.8	257.6	233.7	214.8	198.2
72.5°	115.3	132.0	153.9	187.9	223.6	242.1	236.8	221.5	202.1	186.5	170.8
75°	86.9	92.0	106.9	129.7	157.6	173.7	177.7	169.7	154.2	142.2	133.1
77.5°	64.2	67.3	74.4	86.4	104.7	118.9	124.8	123.8	113.2	106.2	97.7
80°	51.4	53.1	56.6	61.7	75.4	89.7	93.7	93.7	86.3	83.4	74.8
82.5°	39.1	40.3	42.4	45.2	51.7	64.1	68.5	69.5	64.7	61.0	54.2
85°	22.3	21.7	22.8	24.5	25.7	29.1	36.0	37.1	36.0	31.4	29.7
87.5°	13.4	12.7	11.7	10.3	10.2	10.1	11.8	13.5	12.2	11.5	11.2
90°	28.2	22.7	17.2	13.0	10.1	7.1	4.1	1.1	4.1	7.1	10.1
92.5°	32.9	31.6	30.3	28.6	26.4	24.3	22.0	19.9	22.0	24.3	26.4
95°	70.4	70.0	69.5	68.0	65.5	63.0	60.5	58.0	60.5	63.0	65.5
97.5°	118.2	117.3	116.3	114.8	112.6	110.5	108.2	106.1	108.2	110.5	112.6
100°	152.6	151.8	151.1	149.7	147.7	145.8	143.8	141.8	143.8	145.8	147.7
102.5°	188.8	187.9	186.9	185.6	184.1	182.4	180.9	179.3	180.9	182.4	184.1
105°	244.6	244.1	243.7	243.0	242.3	241.5	240.7	240.0	240.7	241.5	242.3
107.5°	306.1	306.1	306.1	305.6	304.4	303.4	302.3	301.2	302.3	303.4	304.4
110°	347.2	347.2	347.2	346.5	345.0	343.5	342.0	340.5	342.0	343.5	345.0





TEST NUMBER: P331838-935

CATALOG NUMBER: S122RDIW-S865D1240U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	389.6	389.8	389.9	389.3	387.9	386.3	384.9	383.4	384.9	386.3	387.9
115°	452.0	452.5	453.0	452.5	451.0	449.5	448.1	446.6	448.1	449.5	451.0
117.5°	515.0	516.3	517.8	517.5	515.5	513.5	511.5	509.5	511.5	513.5	515.5
120°	555.5	557.5	559.5	559.5	557.5	555.5	553.5	551.5	553.5	555.5	557.5
122.5°	597.2	598.6	599.9	599.4	597.0	594.7	592.3	589.9	592.3	594.7	597.0
125°	658.0	658.7	659.4	658.7	656.4	654.2	651.9	649.7	651.9	654.2	656.4
127.5°	718.5	719.5	720.3	719.4	716.5	713.7	710.8	708.0	710.8	713.7	716.5
130°	757.9	758.5	758.9	757.5	754.3	751.1	747.9	744.7	747.9	751.1	754.3
132.5°	797.8	797.7	797.6	796.3	793.6	791.0	788.3	785.7	788.3	791.0	793.6
135°	854.2	853.7	853.2	851.6	848.9	846.1	843.3	840.7	843.3	846.1	848.9
137.5°	910.2	909.5	908.9	907.4	905.2	902.9	900.7	898.5	900.7	902.9	905.2
140°	946.5	945.2	944.0	942.3	940.0	937.8	935.6	933.3	935.6	937.8	940.0
142.5°	981.2	980.3	979.5	978.0	975.8	973.5	971.3	969.1	971.3	973.5	975.8
145°	1031.9	1030.4	1029.0	1027.3	1025.6	1023.9	1022.2	1020.4	1022.2	1023.9	1025.6
147.5°	1078.1	1077.0	1076.1	1074.5	1072.5	1070.3	1068.2	1066.2	1068.2	1070.3	1072.5
150°	1106.6	1105.6	1104.7	1103.4	1101.9	1100.4	1098.9	1097.4	1098.9	1100.4	1101.9
152.5°	1134.8	1133.6	1132.4	1131.1	1129.5	1128.1	1126.6	1125.2	1126.6	1128.1	1129.5
155°	1171.8	1171.1	1170.4	1169.7	1168.9	1168.1	1167.4	1166.7	1167.4	1168.1	1168.9
157.5°	1205.5	1205.1	1204.6	1204.1	1203.7	1203.2	1202.6	1202.1	1202.6	1203.2	1203.7
160°	1226.4	1226.2	1226.0	1225.5	1225.1	1224.6	1224.1	1223.6	1224.1	1224.6	1225.1
162.5°	1244.3	1244.1	1243.8	1243.6	1243.5	1243.5	1243.4	1243.2	1243.4	1243.5	1243.5
165°	1268.3	1268.3	1268.3	1268.3	1268.6	1268.9	1269.1	1269.4	1269.1	1268.9	1268.6
167.5°	1287.8	1287.8	1287.9	1288.2	1289.0	1289.8	1290.5	1291.2	1290.5	1289.8	1289.0
170°	1298.9	1299.2	1299.4	1299.9	1300.6	1301.4	1302.1	1302.9	1302.1	1301.4	1300.6
172.5°	1306.9	1307.2	1307.4	1307.9	1308.6	1309.4	1310.2	1310.9	1310.2	1309.4	1308.6
175°	1316.1	1316.6	1317.2	1317.8	1318.4	1319.2	1320.0	1320.7	1320.0	1319.2	1318.4
177.5°	1321.0	1321.5	1321.9	1322.3	1322.9	1323.5	1324.1	1324.7	1324.1	1323.5	1322.9
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331838-935

CATALOG NUMBER: S122RDIW-S865D1240U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1620.8	1617.6	1611.7	1602.6	1597.1	1587.5	1581.1	1584.8	1585.6	1584.8	1583.8
5°	1577.3	1565.3	1548.8	1532.8	1517.9	1501.9	1492.7	1488.8	1480.7	1476.2	1473.9
7.5°	1524.7	1504.0	1480.5	1452.7	1429.0	1404.2	1391.5	1385.3	1368.9	1359.9	1352.2
10°	1485.3	1452.8	1429.3	1392.8	1370.5	1337.9	1315.7	1316.2	1293.9	1281.3	1272.2
12.5°	1441.9	1406.2	1367.2	1334.3	1303.3	1277.1	1250.3	1239.4	1215.8	1203.7	1179.0
15°	1369.9	1328.3	1287.1	1242.5	1211.1	1170.5	1131.7	1084.3	1046.0	1012.9	1003.8
17.5°	1291.3	1239.7	1198.4	1146.1	1092.3	1024.1	979.0	951.5	928.4	910.9	897.9
20°	1237.4	1184.8	1140.8	1062.0	989.5	943.2	910.1	888.9	865.0	846.1	835.8
22.5°	1180.7	1125.8	1065.9	977.9	921.4	884.2	854.7	830.4	814.2	799.4	790.1
25°	1100.3	1040.3	941.5	880.9	835.2	796.3	775.8	761.0	743.8	723.8	714.6
27.5°	1015.3	919.9	848.9	803.9	760.3	735.0	716.5	694.3	679.0	670.0	660.5
30°	951.7	856.4	800.9	751.8	720.9	692.9	671.2	658.7	643.9	628.4	622.2
32.5°	880.9	804.7	751.6	710.7	679.3	655.5	638.3	618.0	607.3	597.8	584.6
35°	792.9	735.2	686.6	653.6	623.9	604.4	584.4	572.4	553.0	545.0	539.8
37.5°	718.4	668.4	632.1	597.2	573.7	552.2	539.9	520.9	512.5	501.4	490.5
40°	676.4	627.2	592.5	563.9	537.6	521.6	506.2	490.8	478.2	473.0	459.9
42.5°	633.4	593.5	558.6	527.3	509.7	492.8	473.3	461.9	448.9	440.6	432.5
45°	574.1	538.7	509.0	483.3	463.9	446.2	433.6	414.7	407.3	390.7	383.9
47.5°	522.0	489.1	460.8	436.4	417.4	405.9	387.4	372.7	360.8	350.7	341.8
50°	485.0	457.6	430.2	408.5	391.3	374.8	355.9	348.4	330.2	325.0	319.9
52.5°	451.2	425.2	400.0	378.8	361.6	345.5	328.9	319.3	306.9	301.8	298.0
55°	403.9	378.8	354.7	335.9	318.7	302.2	292.0	279.9	274.2	270.2	265.6
57.5°	356.4	333.7	315.4	296.3	279.1	265.9	254.0	246.8	240.8	235.6	230.1
60°	326.2	304.4	287.9	270.2	252.5	241.7	232.5	223.9	217.1	209.1	206.8
62.5°	294.2	275.3	260.0	242.8	227.4	217.4	208.7	200.6	192.4	180.7	177.5
65°	250.2	235.4	219.4	205.1	191.4	181.7	169.1	160.0	156.5	155.4	154.8
67.5°	210.4	196.4	182.7	168.1	155.6	146.6	140.2	138.8	136.4	135.7	134.1
70°	183.9	170.8	157.1	143.4	131.4	129.7	127.4	125.1	122.3	121.1	119.9
72.5°	160.1	146.6	132.9	121.9	116.8	114.6	112.3	110.0	108.1	106.9	106.2
75°	122.9	110.3	101.1	97.1	94.3	92.6	89.1	87.4	86.3	84.6	83.9
77.5°	88.4	81.4	77.1	74.6	71.6	69.8	67.8	66.1	64.9	64.6	63.6
80°	67.4	64.0	61.1	57.7	56.6	54.2	53.7	52.0	52.5	50.9	50.9
82.5°	52.3	48.0	45.5	44.0	42.9	41.0	40.5	39.6	39.8	38.5	38.5
85°	26.9	25.7	24.5	23.4	23.4	21.7	22.3	21.7	21.7	20.6	20.0
87.5°	11.3	11.7	11.9	12.9	14.0	14.6	14.6	14.0	13.9	13.8	13.3
90°	13.0	17.2	22.7	28.2	33.6	39.1	38.6	38.1	37.6	37.1	36.9
92.5°	28.6	30.3	31.6	32.9	34.2	35.5	35.6	35.7	35.8	35.9	36.0
95°	68.0	69.5	70.0	70.4	70.9	71.5	71.5	71.5	71.5	71.5	71.2
97.5°	114.8	116.3	117.3	118.2	119.2	120.1	120.1	120.1	120.1	120.1	120.1
100°	149.7	151.1	151.8	152.6	153.3	154.0	154.0	154.0	154.0	154.0	153.9
102.5°	185.6	186.9	187.9	188.8	189.8	190.7	190.9	191.1	191.3	191.5	191.5
105°	243.0	243.7	244.1	244.6	245.1	245.6	246.1	246.6	247.1	247.6	247.9
107.5°	305.6	306.1	306.1	306.1	306.1	306.1	306.3	306.5	306.7	306.9	306.4
110°	346.5	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2	346.8



TEST NUMBER: P331838-935

CATALOG NUMBER: S122RDIW-S865D1240U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	389.3	389.9	389.8	389.6	389.3	389.2	388.6	388.0	387.4	386.8	386.2
115°	452.5	453.0	452.5	452.0	451.5	451.0	450.8	450.6	450.3	450.0	449.5
117.5°	517.5	517.8	516.3	515.0	513.6	512.2	511.6	511.0	510.4	509.8	509.2
120°	559.5	559.5	557.5	555.5	553.5	551.5	551.5	551.5	551.5	551.5	551.1
122.5°	599.4	599.9	598.6	597.2	595.7	594.3	593.7	593.2	592.6	592.0	591.4
125°	658.7	659.4	658.7	658.0	657.2	656.4	655.7	655.0	654.2	653.5	653.0
127.5°	719.4	720.3	719.5	718.5	717.6	716.7	715.8	715.0	714.0	713.2	712.3
130°	757.5	758.9	758.5	757.9	757.4	756.9	756.4	756.0	755.4	754.9	754.2
132.5°	796.3	797.6	797.7	797.8	797.9	798.0	796.9	795.8	794.7	793.7	792.7
135°	851.6	853.2	853.7	854.2	854.7	855.1	854.9	854.7	854.5	854.2	853.7
137.5°	907.4	908.9	909.5	910.2	910.8	911.5	911.3	911.0	910.9	910.7	910.1
140°	942.3	944.0	945.2	946.5	947.7	948.9	948.9	948.9	948.9	948.9	948.5
142.5°	978.0	979.5	980.3	981.2	982.1	982.9	983.1	983.3	983.5	983.7	983.3
145°	1027.3	1029.0	1030.4	1031.9	1033.5	1034.9	1035.2	1035.4	1035.7	1035.9	1035.5
147.5°	1074.5	1076.1	1077.0	1078.1	1079.0	1080.0	1080.6	1081.1	1081.7	1082.2	1082.0
150°	1103.4	1104.7	1105.6	1106.6	1107.6	1108.6	1109.3	1110.1	1110.9	1111.6	1111.6
152.5°	1131.1	1132.4	1133.6	1134.8	1136.0	1137.2	1138.2	1139.1	1140.0	1140.9	1140.9
155°	1169.7	1170.4	1171.1	1171.8	1172.6	1173.4	1174.6	1175.9	1177.1	1178.3	1178.5
157.5°	1204.1	1204.6	1205.1	1205.5	1205.9	1206.4	1208.1	1209.8	1211.4	1213.1	1213.4
160°	1225.5	1226.0	1226.2	1226.4	1226.7	1226.9	1228.4	1229.9	1231.4	1232.9	1233.1
162.5°	1243.6	1243.8	1244.1	1244.3	1244.6	1244.8	1246.5	1248.2	1249.8	1251.5	1251.8
165°	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1270.0	1271.7	1273.4	1275.2	1275.4
167.5°	1288.2	1287.9	1287.8	1287.8	1287.7	1287.6	1289.4	1291.2	1292.9	1294.6	1294.9
170°	1299.9	1299.4	1299.2	1298.9	1298.6	1298.4	1300.1	1301.8	1303.6	1305.4	1305.4
172.5°	1307.9	1307.4	1307.2	1306.9	1306.7	1306.4	1308.2	1309.9	1311.6	1313.4	1313.5
175°	1317.8	1317.2	1316.6	1316.1	1315.6	1315.1	1316.9	1318.6	1320.3	1322.1	1322.2
177.5°	1322.3	1321.9	1321.5	1321.0	1320.7	1320.3	1321.5	1322.7	1323.9	1325.0	1325.0
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331838-935

CATALOG NUMBER: S122RDIW-S865D1240U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1578.8	1579.7	1578.3	1579.2	1578.3	1579.7	1578.8	1583.8	1584.8	1585.6	1584.8
5°	1471.0	1464.2	1463.0	1461.4	1463.0	1464.2	1471.0	1473.9	1476.2	1480.7	1488.8
7.5°	1342.4	1341.4	1338.5	1334.6	1338.5	1341.4	1342.4	1352.2	1359.9	1368.9	1385.3
10°	1259.6	1256.8	1256.3	1252.2	1256.3	1256.8	1259.6	1272.2	1281.3	1293.9	1316.2
12.5°	1162.8	1144.4	1142.5	1132.5	1142.5	1144.4	1162.8	1179.0	1203.7	1215.8	1239.4
15°	990.1	986.6	975.2	967.8	975.2	986.6	990.1	1003.8	1012.9	1046.0	1084.3
17.5°	891.3	880.1	876.6	874.9	876.6	880.1	891.3	897.9	910.9	928.4	951.5
20°	827.8	817.5	815.8	814.7	815.8	817.5	827.8	835.8	846.1	865.0	888.9
22.5°	783.9	773.2	768.7	765.3	768.7	773.2	783.9	790.1	799.4	814.2	830.4
25°	708.9	705.0	702.7	701.5	702.7	705.0	708.9	714.6	723.8	743.8	761.0
27.5°	650.3	641.5	639.8	636.9	639.8	641.5	650.3	660.5	670.0	679.0	694.3
30°	617.0	614.2	610.1	606.7	610.1	614.2	617.0	622.2	628.4	643.9	658.7
32.5°	577.6	575.3	571.7	570.2	571.7	575.3	577.6	584.6	597.8	607.3	618.0
35°	534.2	526.2	522.7	517.5	522.7	526.2	534.2	539.8	545.0	553.0	572.4
37.5°	488.1	483.9	479.1	480.8	479.1	483.9	488.1	490.5	501.4	512.5	520.9
40°	452.5	449.6	448.5	447.9	448.5	449.6	452.5	459.9	473.0	478.2	490.8
42.5°	424.1	416.2	413.3	413.1	413.3	416.2	424.1	432.5	440.6	448.9	461.9
45°	381.1	373.6	368.5	369.0	368.5	373.6	381.1	383.9	390.7	407.3	414.7
47.5°	336.9	336.7	333.6	334.6	333.6	336.7	336.9	341.8	350.7	360.8	372.7
50°	315.9	312.5	310.2	310.7	310.2	312.5	315.9	319.9	325.0	330.2	348.4
52.5°	295.8	292.8	291.0	293.4	291.0	292.8	295.8	298.0	301.8	306.9	319.3
55°	262.8	259.3	258.8	258.2	258.8	259.3	262.8	265.6	270.2	274.2	279.9
57.5°	225.9	223.6	220.2	218.7	220.2	223.6	225.9	230.1	235.6	240.8	246.8
60°	199.4	194.8	189.1	188.6	189.1	194.8	199.4	206.8	209.1	217.1	223.9
62.5°	175.1	174.3	173.1	173.0	173.1	174.3	175.1	177.5	180.7	192.4	200.6
65°	153.7	153.1	153.7	154.2	153.7	153.1	153.7	154.8	155.4	156.5	160.0
67.5°	133.9	132.9	131.8	132.3	131.8	132.9	133.9	134.1	135.7	136.4	138.8
70°	118.8	118.2	117.7	117.7	117.7	118.2	118.8	119.9	121.1	122.3	125.1
72.5°	104.2	104.1	103.5	103.1	103.5	104.1	104.2	106.2	106.9	108.1	110.0
75°	83.4	82.2	82.2	82.2	82.2	82.2	83.4	83.9	84.6	86.3	87.4
77.5°	63.5	62.9	62.4	61.9	62.4	62.9	63.5	63.6	64.6	64.9	66.1
80°	50.3	49.7	49.2	49.2	49.2	49.7	50.3	50.9	50.9	52.5	52.0
82.5°	38.4	37.8	37.7	37.3	37.7	37.8	38.4	38.5	38.5	39.8	39.6
85°	20.6	21.1	20.6	21.7	20.6	21.1	20.6	20.0	20.6	21.7	21.7
87.5°	13.3	13.0	13.5	13.1	13.5	13.0	13.3	13.3	13.8	13.9	14.0
90°	37.2	37.5	37.7	38.0	37.7	37.5	37.2	36.9	37.1	37.6	38.1
92.5°	36.0	36.1	36.2	36.2	36.2	36.1	36.0	36.0	35.9	35.8	35.7
95°	70.7	70.2	69.7	69.2	69.7	70.2	70.7	71.2	71.5	71.5	71.5
97.5°	120.0	120.0	119.9	119.9	119.9	120.0	120.0	120.1	120.1	120.1	120.1
100°	153.7	153.4	153.2	152.9	153.2	153.4	153.7	153.9	154.0	154.0	154.0
102.5°	191.2	191.0	190.7	190.5	190.7	191.0	191.2	191.5	191.5	191.3	191.1
105°	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.6	247.1	246.6
107.5°	305.3	304.2	303.0	301.9	303.0	304.2	305.3	306.4	306.9	306.7	306.5
110°	346.1	345.3	344.6	343.9	344.6	345.3	346.1	346.8	347.2	347.2	347.2



TEST NUMBER: P331838-935

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	385.6	385.1	384.6	384.0	384.6	385.1	385.6	386.2	386.8	387.4	388.0
115°	448.8	448.1	447.3	446.6	447.3	448.1	448.8	449.5	450.0	450.3	450.6
117.5°	508.4	507.6	507.0	506.2	507.0	507.6	508.4	509.2	509.8	510.4	511.0
120°	550.4	549.7	548.9	548.2	548.9	549.7	550.4	551.1	551.5	551.5	551.5
122.5°	590.9	590.3	589.8	589.3	589.8	590.3	590.9	591.4	592.0	592.6	593.2
125°	652.7	652.5	652.2	651.9	652.2	652.5	652.7	653.0	653.5	654.2	655.0
127.5°	711.5	710.8	710.0	709.1	710.0	710.8	711.5	712.3	713.2	714.0	715.0
130°	753.2	752.3	751.2	750.2	751.2	752.3	753.2	754.2	754.9	755.4	756.0
132.5°	791.9	791.1	790.3	789.5	790.3	791.1	791.9	792.7	793.7	794.7	795.8
135°	852.9	852.2	851.4	850.7	851.4	852.2	852.9	853.7	854.2	854.5	854.7
137.5°	909.0	908.1	907.1	906.1	907.1	908.1	909.0	910.1	910.7	910.9	911.0
140°	947.4	946.5	945.5	944.5	945.5	946.5	947.4	948.5	948.9	948.9	948.9
142.5°	982.3	981.3	980.3	979.3	980.3	981.3	982.3	983.3	983.7	983.5	983.3
145°	1034.6	1033.5	1032.6	1031.6	1032.6	1033.5	1034.6	1035.5	1035.9	1035.7	1035.4
147.5°	1081.1	1080.1	1079.2	1078.2	1079.2	1080.1	1081.1	1082.0	1082.2	1081.7	1081.1
150°	1110.9	1110.1	1109.3	1108.6	1109.3	1110.1	1110.9	1111.6	1111.6	1110.9	1110.1
152.5°	1140.0	1139.1	1138.2	1137.2	1138.2	1139.1	1140.0	1140.9	1140.9	1140.0	1139.1
155°	1177.8	1177.1	1176.3	1175.6	1176.3	1177.1	1177.8	1178.5	1178.3	1177.1	1175.9
157.5°	1212.2	1211.0	1209.8	1208.6	1209.8	1211.0	1212.2	1213.4	1213.1	1211.4	1209.8
160°	1232.2	1231.1	1230.2	1229.2	1230.2	1231.1	1232.2	1233.1	1232.9	1231.4	1229.9
162.5°	1250.6	1249.4	1248.2	1247.1	1248.2	1249.4	1250.6	1251.8	1251.5	1249.8	1248.2
165°	1274.2	1273.0	1271.7	1270.5	1271.7	1273.0	1274.2	1275.4	1275.2	1273.4	1271.7
167.5°	1293.6	1292.3	1291.0	1289.7	1291.0	1292.3	1293.6	1294.9	1294.6	1292.9	1291.2
170°	1304.0	1302.5	1301.0	1299.5	1301.0	1302.5	1304.0	1305.4	1305.4	1303.6	1301.8
172.5°	1312.0	1310.5	1309.1	1307.5	1309.1	1310.5	1312.0	1313.5	1313.4	1311.6	1309.9
175°	1320.7	1319.2	1317.8	1316.2	1317.8	1319.2	1320.7	1322.2	1322.1	1320.3	1318.6
177.5°	1323.9	1322.7	1321.5	1320.3	1321.5	1322.7	1323.9	1325.0	1325.0	1323.9	1322.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331838-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1581.1	1587.5	1597.1	1602.6	1611.7	1617.6	1620.8	1626.8	1630.0	1641.4	1653.3
5°	1492.7	1501.9	1517.9	1532.8	1548.8	1565.3	1577.3	1591.0	1603.6	1625.3	1648.1
7.5°	1391.5	1404.2	1429.0	1452.7	1480.5	1504.0	1524.7	1548.1	1569.0	1600.1	1632.5
10°	1315.7	1337.9	1370.5	1392.8	1429.3	1452.8	1485.3	1511.1	1540.2	1581.3	1617.9
12.5°	1250.3	1277.1	1303.3	1334.3	1367.2	1406.2	1441.9	1474.9	1509.6	1552.0	1595.0
15°	1131.7	1170.5	1211.1	1242.5	1287.1	1328.3	1369.9	1414.5	1456.7	1507.6	1563.6
17.5°	979.0	1024.1	1092.3	1146.1	1198.4	1239.7	1291.3	1345.2	1395.1	1456.4	1518.7
20°	910.1	943.2	989.5	1062.0	1140.8	1184.8	1237.4	1296.8	1353.9	1420.7	1487.6
22.5°	854.7	884.2	921.4	977.9	1065.9	1125.8	1180.7	1241.0	1307.3	1375.5	1449.7
25°	775.8	796.3	835.2	880.9	941.5	1040.3	1100.3	1160.8	1232.9	1306.0	1390.5
27.5°	716.5	735.0	760.3	803.9	848.9	919.9	1015.3	1081.3	1153.1	1235.4	1323.1
30°	671.2	692.9	720.9	751.8	800.9	856.4	951.7	1028.3	1099.2	1183.7	1277.4
32.5°	638.3	655.5	679.3	710.7	751.6	804.7	880.9	973.9	1042.9	1132.0	1229.9
35°	584.4	604.4	623.9	653.6	686.6	735.2	792.9	892.3	960.9	1048.9	1147.1
37.5°	539.9	552.2	573.7	597.2	632.1	668.4	718.4	807.5	881.8	968.1	1068.7
40°	506.2	521.6	537.6	563.9	592.5	627.2	676.4	742.7	827.8	912.3	1010.6
42.5°	473.3	492.8	509.7	527.3	558.6	593.5	633.4	689.7	776.6	856.6	952.1
45°	433.6	446.2	463.9	483.3	509.0	538.7	574.1	623.3	706.7	775.8	865.5
47.5°	387.4	405.9	417.4	436.4	460.8	489.1	522.0	564.6	632.1	696.8	780.1
50°	355.9	374.8	391.3	408.5	430.2	457.6	485.0	526.2	580.4	648.4	726.1
52.5°	328.9	345.5	361.6	378.8	400.0	425.2	451.2	487.3	533.8	596.3	671.8
55°	292.0	302.2	318.7	335.9	354.7	378.8	403.9	434.2	474.2	526.8	587.9
57.5°	254.0	265.9	279.1	296.3	315.4	333.7	356.4	383.7	415.3	462.9	515.2
60°	232.5	241.7	252.5	270.2	287.9	304.4	326.2	349.0	378.8	419.9	464.4
62.5°	208.7	217.4	227.4	242.8	260.0	275.3	294.2	318.4	343.5	381.1	420.1
65°	169.1	181.7	191.4	205.1	219.4	235.4	250.2	269.7	292.0	321.7	356.5
67.5°	140.2	146.6	155.6	168.1	182.7	196.4	210.4	225.7	245.0	267.9	295.6
70°	127.4	129.7	131.4	143.4	157.1	170.8	183.9	198.2	214.8	233.7	257.6
72.5°	112.3	114.6	116.8	121.9	132.9	146.6	160.1	170.8	186.5	202.1	221.5
75°	89.1	92.6	94.3	97.1	101.1	110.3	122.9	133.1	142.2	154.2	169.7
77.5°	67.8	69.8	71.6	74.6	77.1	81.4	88.4	97.7	106.2	113.2	123.8
80°	53.7	54.2	56.6	57.7	61.1	64.0	67.4	74.8	83.4	86.3	93.7
82.5°	40.5	41.0	42.9	44.0	45.5	48.0	52.3	54.2	61.0	64.7	69.5
85°	22.3	21.7	23.4	23.4	24.5	25.7	26.9	29.7	31.4	36.0	37.1
87.5°	14.6	14.6	14.0	12.9	11.9	11.7	11.3	11.2	11.5	12.2	13.5
90°	38.6	39.1	33.6	28.2	22.7	17.2	13.0	10.1	7.1	4.1	1.1
92.5°	35.6	35.5	34.2	32.9	31.6	30.3	28.6	26.4	24.3	22.0	19.9
95°	71.5	71.5	70.9	70.4	70.0	69.5	68.0	65.5	63.0	60.5	58.0
97.5°	120.1	120.1	119.2	118.2	117.3	116.3	114.8	112.6	110.5	108.2	106.1
100°	154.0	154.0	153.3	152.6	151.8	151.1	149.7	147.7	145.8	143.8	141.8
102.5°	190.9	190.7	189.8	188.8	187.9	186.9	185.6	184.1	182.4	180.9	179.3
105°	246.1	245.6	245.1	244.6	244.1	243.7	243.0	242.3	241.5	240.7	240.0
107.5°	306.3	306.1	306.1	306.1	306.1	306.1	305.6	304.4	303.4	302.3	301.2
110°	347.2	347.2	347.2	347.2	347.2	347.2	346.5	345.0	343.5	342.0	340.5



TEST NUMBER: P331838-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	388.6	389.2	389.3	389.6	389.8	389.9	389.3	387.9	386.3	384.9	383.4
115°	450.8	451.0	451.5	452.0	452.5	453.0	452.5	451.0	449.5	448.1	446.6
117.5°	511.6	512.2	513.6	515.0	516.3	517.8	517.5	515.5	513.5	511.5	509.5
120°	551.5	551.5	553.5	555.5	557.5	559.5	559.5	557.5	555.5	553.5	551.5
122.5°	593.7	594.3	595.7	597.2	598.6	599.9	599.4	597.0	594.7	592.3	589.9
125°	655.7	656.4	657.2	658.0	658.7	659.4	658.7	656.4	654.2	651.9	649.7
127.5°	715.8	716.7	717.6	718.5	719.5	720.3	719.4	716.5	713.7	710.8	708.0
130°	756.4	756.9	757.4	757.9	758.5	758.9	757.5	754.3	751.1	747.9	744.7
132.5°	796.9	798.0	797.9	797.8	797.7	797.6	796.3	793.6	791.0	788.3	785.7
135°	854.9	855.1	854.7	854.2	853.7	853.2	851.6	848.9	846.1	843.3	840.7
137.5°	911.3	911.5	910.8	910.2	909.5	908.9	907.4	905.2	902.9	900.7	898.5
140°	948.9	948.9	947.7	946.5	945.2	944.0	942.3	940.0	937.8	935.6	933.3
142.5°	983.1	982.9	982.1	981.2	980.3	979.5	978.0	975.8	973.5	971.3	969.1
145°	1035.2	1034.9	1033.5	1031.9	1030.4	1029.0	1027.3	1025.6	1023.9	1022.2	1020.4
147.5°	1080.6	1080.0	1079.0	1078.1	1077.0	1076.1	1074.5	1072.5	1070.3	1068.2	1066.2
150°	1109.3	1108.6	1107.6	1106.6	1105.6	1104.7	1103.4	1101.9	1100.4	1098.9	1097.4
152.5°	1138.2	1137.2	1136.0	1134.8	1133.6	1132.4	1131.1	1129.5	1128.1	1126.6	1125.2
155°	1174.6	1173.4	1172.6	1171.8	1171.1	1170.4	1169.7	1168.9	1168.1	1167.4	1166.7
157.5°	1208.1	1206.4	1205.9	1205.5	1205.1	1204.6	1204.1	1203.7	1203.2	1202.6	1202.1
160°	1228.4	1226.9	1226.7	1226.4	1226.2	1226.0	1225.5	1225.1	1224.6	1224.1	1223.6
162.5°	1246.5	1244.8	1244.6	1244.3	1244.1	1243.8	1243.6	1243.5	1243.5	1243.4	1243.2
165°	1270.0	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.6	1268.9	1269.1	1269.4
167.5°	1289.4	1287.6	1287.7	1287.8	1287.8	1287.9	1288.2	1289.0	1289.8	1290.5	1291.2
170°	1300.1	1298.4	1298.6	1298.9	1299.2	1299.4	1299.9	1300.6	1301.4	1302.1	1302.9
172.5°	1308.2	1306.4	1306.7	1306.9	1307.2	1307.4	1307.9	1308.6	1309.4	1310.2	1310.9
175°	1316.9	1315.1	1315.6	1316.1	1316.6	1317.2	1317.8	1318.4	1319.2	1320.0	1320.7
177.5°	1321.5	1320.3	1320.7	1321.0	1321.5	1321.9	1322.3	1322.9	1323.5	1324.1	1324.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



TEST NUMBER: P331838-935

CATALOG NUMBER: S122RDIW-S865D1240U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1653.7	1655.1	1664.2	1668.4	1676.6	1679.8	1683.4	1682.6	1682.6	1684.4	1697.2
5°	1657.3	1668.7	1685.8	1702.5	1718.4	1732.2	1741.3	1750.4	1753.9	1770.4	1785.3
7.5°	1651.3	1672.4	1700.7	1726.0	1756.3	1779.9	1799.6	1817.2	1829.4	1853.5	1878.2
10°	1643.6	1673.3	1705.3	1737.8	1779.5	1810.9	1843.0	1867.5	1875.5	1911.5	1932.1
12.5°	1628.1	1667.8	1708.5	1750.7	1791.4	1834.7	1869.9	1894.5	1922.6	1954.9	1992.9
15°	1604.7	1650.5	1703.6	1757.8	1816.1	1868.6	1906.3	1949.2	1980.0	2015.5	2048.6
17.5°	1571.2	1630.1	1697.6	1760.5	1827.9	1884.3	1936.2	1977.3	1999.0	2019.2	2024.1
20°	1544.7	1608.2	1687.6	1761.9	1829.3	1894.4	1945.8	1980.0	1985.8	1986.3	1956.1
22.5°	1516.0	1587.6	1670.7	1746.7	1827.4	1899.9	1939.8	1954.5	1931.8	1893.1	1834.5
25°	1463.0	1545.9	1642.4	1729.2	1817.2	1885.8	1899.5	1873.8	1794.4	1711.0	1605.3
27.5°	1405.7	1498.8	1602.3	1698.8	1792.6	1835.0	1805.5	1712.8	1569.8	1445.4	1294.8
30°	1363.7	1468.2	1569.9	1677.8	1764.7	1783.0	1715.0	1578.5	1411.6	1224.3	1074.0
32.5°	1315.7	1425.2	1537.0	1648.6	1721.3	1703.4	1591.1	1423.1	1227.4	1043.3	901.3
35°	1247.1	1360.2	1480.7	1592.8	1639.0	1561.9	1394.0	1175.1	975.2	803.2	705.5
37.5°	1167.9	1291.1	1416.4	1519.2	1516.0	1387.4	1158.6	932.8	764.7	663.1	593.5
40°	1111.7	1236.2	1371.7	1458.4	1421.3	1254.0	1006.0	792.9	670.1	589.0	538.1
42.5°	1057.8	1182.8	1317.2	1386.3	1321.7	1115.9	868.9	702.0	600.6	537.4	496.1
45°	966.0	1098.0	1222.5	1260.8	1145.4	918.6	702.7	581.6	514.2	467.3	438.8
47.5°	876.3	1006.2	1119.8	1120.5	964.4	744.9	592.8	503.3	445.7	409.5	388.7
50°	821.5	944.9	1040.3	1025.5	848.3	662.7	530.1	453.1	405.0	377.0	355.3
52.5°	759.8	879.5	962.2	919.9	750.1	583.2	473.9	409.1	369.4	345.1	325.6
55°	670.1	776.4	834.7	770.7	611.8	485.0	400.5	349.7	319.9	299.4	282.8
57.5°	582.0	669.7	706.4	631.8	503.9	402.2	338.8	300.6	271.1	256.4	247.8
60°	526.8	601.6	627.2	545.0	438.2	351.9	299.9	264.5	242.8	233.1	224.5
62.5°	472.3	533.5	544.1	468.6	381.9	308.1	263.4	233.4	219.0	209.7	201.6
65°	391.9	435.9	430.8	370.2	302.2	244.5	212.0	193.6	182.8	169.7	155.4
67.5°	322.6	349.5	333.3	287.9	230.7	190.0	168.8	154.9	141.5	129.0	125.7
70°	278.8	294.2	277.1	235.4	189.1	159.4	142.2	125.7	117.7	114.9	109.7
72.5°	236.8	242.1	223.6	187.9	153.9	132.0	115.3	106.0	101.7	99.3	96.0
75°	177.7	173.7	157.6	129.7	106.9	92.0	86.9	83.4	80.6	78.3	76.5
77.5°	124.8	118.9	104.7	86.4	74.4	67.3	64.2	62.4	61.0	59.8	58.1
80°	93.7	89.7	75.4	61.7	56.6	53.1	51.4	49.2	49.2	48.0	46.2
82.5°	68.5	64.1	51.7	45.2	42.4	40.3	39.1	37.7	37.3	37.5	36.2
85°	36.0	29.1	25.7	24.5	22.8	21.7	22.3	21.1	21.1	21.1	20.6
87.5°	11.8	10.1	10.2	10.3	11.7	12.7	13.4	14.5	16.0	15.5	15.8
90°	4.1	7.1	10.1	13.0	17.2	22.7	28.2	33.6	39.1	38.6	38.1
92.5°	22.0	24.3	26.4	28.6	30.3	31.6	32.9	34.2	35.5	35.6	35.7
95°	60.5	63.0	65.5	68.0	69.5	70.0	70.4	70.9	71.5	71.5	71.5
97.5°	108.2	110.5	112.6	114.8	116.3	117.3	118.2	119.2	120.1	120.1	120.1
100°	143.8	145.8	147.7	149.7	151.1	151.8	152.6	153.3	154.0	154.0	154.0
102.5°	180.9	182.4	184.1	185.6	186.9	187.9	188.8	189.8	190.7	190.9	191.1
105°	240.7	241.5	242.3	243.0	243.7	244.1	244.6	245.1	245.6	246.1	246.6
107.5°	302.3	303.4	304.4	305.6	306.1	306.1	306.1	306.1	306.1	306.3	306.5
110°	342.0	343.5	345.0	346.5	347.2	347.2	347.2	347.2	347.2	347.2	347.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	384.9	386.3	387.9	389.3	389.9	389.8	389.6	389.3	389.2	388.6	388.0
115°	448.1	449.5	451.0	452.5	453.0	452.5	452.0	451.5	451.0	450.8	450.6
117.5°	511.5	513.5	515.5	517.5	517.8	516.3	515.0	513.6	512.2	511.6	511.0
120°	553.5	555.5	557.5	559.5	559.5	557.5	555.5	553.5	551.5	551.5	551.5
122.5°	592.3	594.7	597.0	599.4	599.9	598.6	597.2	595.7	594.3	593.7	593.2
125°	651.9	654.2	656.4	658.7	659.4	658.7	658.0	657.2	656.4	655.7	655.0
127.5°	710.8	713.7	716.5	719.4	720.3	719.5	718.5	717.6	716.7	715.8	715.0
130°	747.9	751.1	754.3	757.5	758.9	758.5	757.9	757.4	756.9	756.4	756.0
132.5°	788.3	791.0	793.6	796.3	797.6	797.7	797.8	797.9	798.0	796.9	795.8
135°	843.3	846.1	848.9	851.6	853.2	853.7	854.2	854.7	855.1	854.9	854.7
137.5°	900.7	902.9	905.2	907.4	908.9	909.5	910.2	910.8	911.5	911.3	911.0
140°	935.6	937.8	940.0	942.3	944.0	945.2	946.5	947.7	948.9	948.9	948.9
142.5°	971.3	973.5	975.8	978.0	979.5	980.3	981.2	982.1	982.9	983.1	983.3
145°	1022.2	1023.9	1025.6	1027.3	1029.0	1030.4	1031.9	1033.5	1034.9	1035.2	1035.4
147.5°	1068.2	1070.3	1072.5	1074.5	1076.1	1077.0	1078.1	1079.0	1080.0	1080.6	1081.1
150°	1098.9	1100.4	1101.9	1103.4	1104.7	1105.6	1106.6	1107.6	1108.6	1109.3	1110.1
152.5°	1126.6	1128.1	1129.5	1131.1	1132.4	1133.6	1134.8	1136.0	1137.2	1138.2	1139.1
155°	1167.4	1168.1	1168.9	1169.7	1170.4	1171.1	1171.8	1172.6	1173.4	1174.6	1175.9
157.5°	1202.6	1203.2	1203.7	1204.1	1204.6	1205.1	1205.5	1205.9	1206.4	1208.1	1209.8
160°	1224.1	1224.6	1225.1	1225.5	1226.0	1226.2	1226.4	1226.7	1226.9	1228.4	1229.9
162.5°	1243.4	1243.5	1243.5	1243.6	1243.8	1244.1	1244.3	1244.6	1244.8	1246.5	1248.2
165°	1269.1	1268.9	1268.6	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1270.0	1271.7
167.5°	1290.5	1289.8	1289.0	1288.2	1287.9	1287.8	1287.8	1287.7	1287.6	1289.4	1291.2
170°	1302.1	1301.4	1300.6	1299.9	1299.4	1299.2	1298.9	1298.6	1298.4	1300.1	1301.8
172.5°	1310.2	1309.4	1308.6	1307.9	1307.4	1307.2	1306.9	1306.7	1306.4	1308.2	1309.9
175°	1320.0	1319.2	1318.4	1317.8	1317.2	1316.6	1316.1	1315.6	1315.1	1316.9	1318.6
177.5°	1324.1	1323.5	1322.9	1322.3	1321.9	1321.5	1321.0	1320.7	1320.3	1321.5	1322.7
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1701.8	1707.7	1710.4	1710.4	1713.6	1712.3	1710.9
5°	1799.6	1810.4	1812.7	1823.0	1830.4	1828.1	1829.3
7.5°	1896.8	1914.3	1931.5	1939.4	1940.6	1945.2	1946.9
10°	1956.6	1970.9	1997.8	1993.7	2013.8	2025.2	2006.3
12.5°	2014.2	2033.5	2052.2	2057.3	2068.6	2072.3	2064.9
15°	2066.3	2076.6	2077.8	2074.9	2078.3	2075.4	2064.6
17.5°	2017.7	2001.0	1967.1	1951.1	1938.5	1919.8	1912.2
20°	1937.2	1888.1	1830.9	1808.1	1781.2	1728.7	1741.3
22.5°	1763.6	1707.5	1650.5	1583.7	1551.9	1502.0	1499.0
25°	1493.3	1396.8	1290.6	1216.2	1172.9	1123.2	1101.4
27.5°	1161.1	1039.5	952.4	908.4	868.2	828.8	827.2
30°	942.6	851.2	783.8	746.1	721.5	705.0	708.4
32.5°	794.5	731.9	686.5	655.1	637.0	624.5	624.3
35°	649.5	606.7	577.6	564.4	551.3	542.2	542.7
37.5°	555.9	530.1	513.9	499.4	491.2	486.7	484.2
40°	507.9	486.7	474.2	465.6	458.7	452.5	451.3
42.5°	469.9	452.5	439.9	433.2	426.7	422.3	421.1
45°	417.1	402.8	391.3	383.9	381.1	377.0	377.0
47.5°	371.0	357.0	348.0	343.4	338.5	335.8	335.7
50°	339.9	329.1	321.1	318.2	314.2	312.5	311.9
52.5°	312.0	303.9	298.3	296.3	294.5	292.4	292.7
55°	274.2	269.7	267.3	265.6	262.8	259.3	261.7
57.5°	242.4	238.4	232.3	226.9	224.3	221.9	222.8
60°	220.0	212.0	204.0	197.7	196.0	190.8	190.8
62.5°	191.6	180.4	170.6	167.0	165.3	162.9	162.5
65°	147.4	142.8	140.5	138.3	137.1	137.1	136.0
67.5°	122.2	120.3	117.8	117.3	116.1	115.7	115.4
70°	108.0	105.6	104.5	104.0	102.8	103.4	101.7
72.5°	94.3	92.5	92.2	90.7	90.1	90.1	88.9
75°	74.3	74.3	73.7	73.1	72.0	71.4	72.0
77.5°	57.2	57.3	56.2	56.1	56.0	56.1	55.5
80°	45.7	46.2	45.7	45.1	44.6	45.1	44.6
82.5°	36.1	35.3	35.2	35.0	35.0	34.6	34.5
85°	20.6	21.1	20.6	20.0	20.0	20.0	20.6
87.5°	15.3	15.2	15.2	15.2	15.2	15.3	14.9
90°	37.6	37.1	36.9	37.2	37.5	37.7	38.0
92.5°	35.8	35.9	36.0	36.0	36.1	36.2	36.2
95°	71.5	71.5	71.2	70.7	70.2	69.7	69.2
97.5°	120.1	120.1	120.1	120.0	120.0	119.9	119.9
100°	154.0	154.0	153.9	153.7	153.4	153.2	152.9
102.5°	191.3	191.5	191.5	191.2	191.0	190.7	190.5
105°	247.1	247.6	247.9	247.9	247.9	247.9	247.9
107.5°	306.7	306.9	306.4	305.3	304.2	303.0	301.9
110°	347.2	347.2	346.8	346.1	345.3	344.6	343.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	387.4	386.8	386.2	385.6	385.1	384.6	384.0
115°	450.3	450.0	449.5	448.8	448.1	447.3	446.6
117.5°	510.4	509.8	509.2	508.4	507.6	507.0	506.2
120°	551.5	551.5	551.1	550.4	549.7	548.9	548.2
122.5°	592.6	592.0	591.4	590.9	590.3	589.8	589.3
125°	654.2	653.5	653.0	652.7	652.5	652.2	651.9
127.5°	714.0	713.2	712.3	711.5	710.8	710.0	709.1
130°	755.4	754.9	754.2	753.2	752.3	751.2	750.2
132.5°	794.7	793.7	792.7	791.9	791.1	790.3	789.5
135°	854.5	854.2	853.7	852.9	852.2	851.4	850.7
137.5°	910.9	910.7	910.1	909.0	908.1	907.1	906.1
140°	948.9	948.9	948.5	947.4	946.5	945.5	944.5
142.5°	983.5	983.7	983.3	982.3	981.3	980.3	979.3
145°	1035.7	1035.9	1035.5	1034.6	1033.5	1032.6	1031.6
147.5°	1081.7	1082.2	1082.0	1081.1	1080.1	1079.2	1078.2
150°	1110.9	1111.6	1111.6	1110.9	1110.1	1109.3	1108.6
152.5°	1140.0	1140.9	1140.9	1140.0	1139.1	1138.2	1137.2
155°	1177.1	1178.3	1178.5	1177.8	1177.1	1176.3	1175.6
157.5°	1211.4	1213.1	1213.4	1212.2	1211.0	1209.8	1208.6
160°	1231.4	1232.9	1233.1	1232.2	1231.1	1230.2	1229.2
162.5°	1249.8	1251.5	1251.8	1250.6	1249.4	1248.2	1247.1
165°	1273.4	1275.2	1275.4	1274.2	1273.0	1271.7	1270.5
167.5°	1292.9	1294.6	1294.9	1293.6	1292.3	1291.0	1289.7
170°	1303.6	1305.4	1305.4	1304.0	1302.5	1301.0	1299.5
172.5°	1311.6	1313.4	1313.5	1312.0	1310.5	1309.1	1307.5
175°	1320.3	1322.1	1322.2	1320.7	1319.2	1317.8	1316.2
177.5°	1323.9	1325.0	1325.0	1323.9	1322.7	1321.5	1320.3
180°	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9	1322.9

(END OF REPORT)