

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: P332442-840

Luminaire Tested: **S123RDIW-S775D1320U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332442-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S775D1320U840-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1320 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8410.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

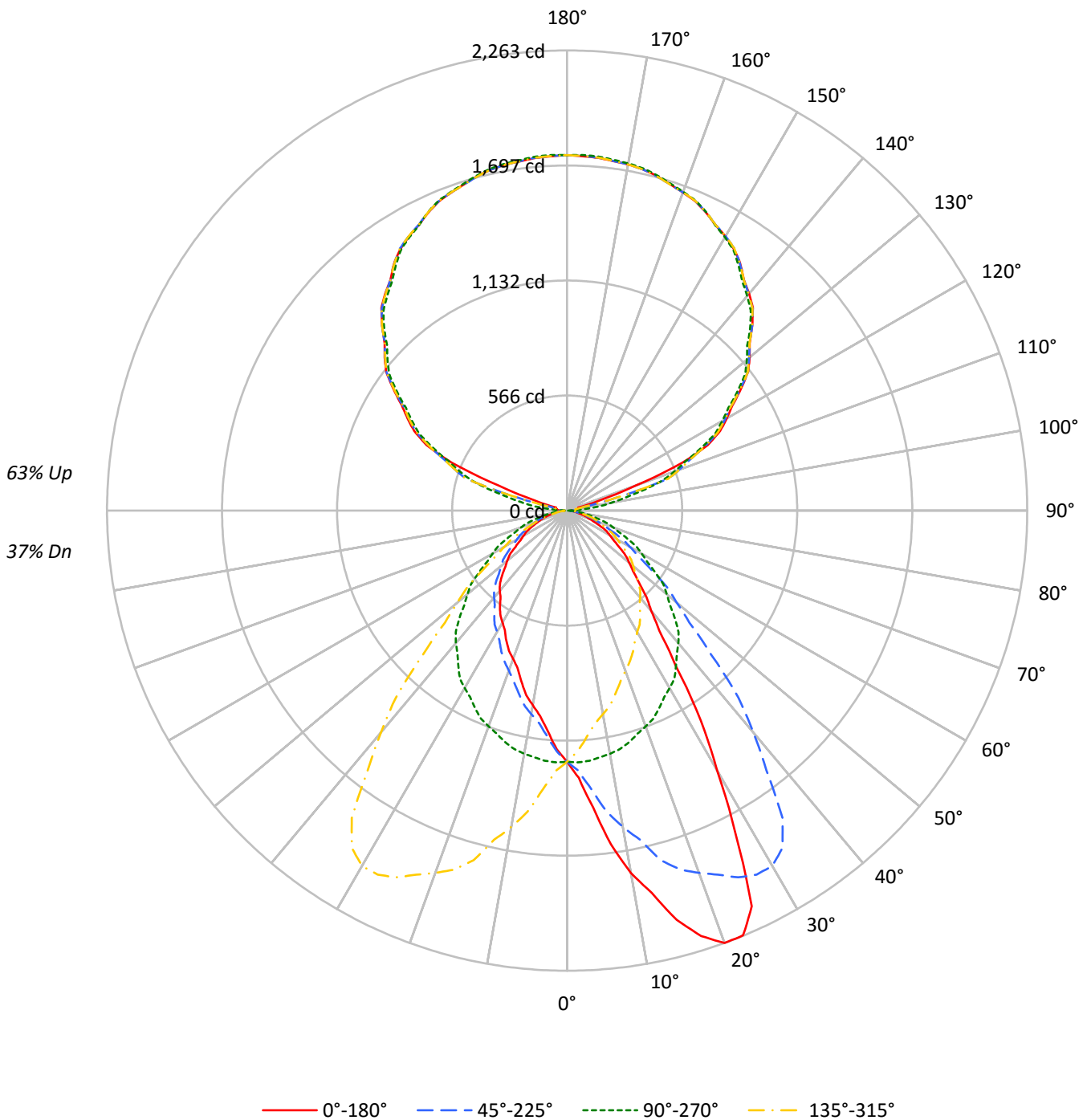
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	104	104	104	104	94	94	94	94	76	76	76		59	59	59		44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63		53	51	50		39	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53		47	44	42		35	34	32	27
3	80	71	64	58	72	64	58	54	53	48	45		42	39	36		32	30	28	24
4	73	63	55	50	66	57	51	46	47	42	39		37	34	31		28	26	25	21
5	67	56	48	43	61	51	45	39	42	37	33		34	30	27		26	23	22	18
6	62	50	43	37	56	46	39	34	38	33	29		31	27	24		23	21	19	16
7	57	45	38	32	52	42	35	30	35	29	26		28	24	21		22	19	17	14
8	53	41	34	29	48	38	31	27	31	27	23		25	22	19		20	17	15	13
9	49	38	30	26	45	35	28	24	29	24	21		23	20	17		18	16	14	12
10	46	34	28	23	42	32	26	21	27	22	19		22	18	16		17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13295	13295	13295	13295
5°	15847	13351	11757	13351
10°	19787	13274	10622	13274
15°	23226	13138	9686	13138
20°	25921	12936	8891	12936
25°	25508	12722	8402	12722
30°	18334	12525	7899	12525
35°	12242	12269	7573	12269
40°	9020	11960	7235	11960
45°	7566	11420	6905	11420
50°	6677	10712	6445	10712
55°	5853	9903	5814	9903
60°	5214	9128	5326	9128
65°	4579	8295	4956	8295
70°	3594	7553	4526	7553
75°	3165	6596	4134	6596
80°	2752	5604	4060	5604
85°	2223	4508	4310	4508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	1.4
10°-20°	379.5	4.5
20°-30°	596.1	7.1
30°-40°	621.9	7.4
40°-50°	532.3	6.3
50°-60°	405.7	4.8
60°-70°	260.0	3.1
70°-80°	125.1	1.5
80°-90°	38.0	0.5
90°-100°	63.5	0.8
100°-110°	302.9	3.6
110°-120°	727.5	8.6
120°-130°	926.3	11.0
130°-140°	989.8	11.8
140°-150°	925.5	11.0
150°-160°	746.6	8.9
160°-170°	481.8	5.7
170°-180°	166.1	2.0
0°-30°	1097.0	13.0
0°-40°	1719.0	20.4
0°-60°	2656.9	31.6
0°-90°	3080.0	36.6
90°-120°	1093.9	13.0
90°-150°	3935.5	46.8
90°-180°	5330.0	63.4
0°-180°	8410.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1235	1235	1235	1235	1235	
5°	1467	1236	1088	1236	1467	151
15°	2084	1179	869	1179	2084	591
25°	2148	1071	707	1071	2148	923
35°	932	934	576	934	932	611
45°	497	750	454	750	497	391
55°	312	528	310	528	312	282
65°	180	326	195	326	180	177
75°	76	159	99	159	76	82
85°	18	36	35	36	18	22
90°	39	1	39	1	39	18
95°	49	79	49	79	49	41
105°	57	387	57	387	57	131
115°	764	726	764	726	764	706
125°	1044	1023	1044	1023	1044	932
135°	1287	1274	1287	1274	1287	992
145°	1484	1470	1484	1470	1484	926
155°	1617	1619	1617	1619	1617	745
165°	1704	1708	1704	1708	1704	481
175°	1741	1748	1741	1748	1741	166
180°	1748	1748	1748	1748	1748	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1315.5	1317.2	1311.6	1310.8	1304.4	1302.7	1302.7	1293.8	1288.4	1281.2	1277.0
5°	1466.6	1475.1	1470.9	1461.4	1445.5	1441.8	1431.8	1415.9	1398.0	1375.7	1365.1
7.5°	1655.5	1667.1	1662.6	1647.9	1631.3	1617.9	1589.5	1563.2	1526.3	1493.9	1466.2
10°	1810.3	1798.2	1788.7	1774.3	1759.1	1734.1	1704.6	1663.9	1616.8	1579.8	1538.5
12.5°	1926.2	1924.2	1912.2	1897.4	1875.8	1852.2	1815.8	1766.3	1711.5	1658.1	1610.9
15°	2084.2	2087.4	2079.4	2064.1	2033.5	1991.7	1936.7	1916.0	1837.9	1779.7	1721.5
17.5°	2193.5	2192.9	2191.8	2170.6	2139.3	2109.6	2058.6	2004.4	1933.5	1851.6	1773.2
20°	2262.9	2257.7	2258.7	2234.8	2211.6	2177.3	2127.6	2048.8	1990.6	1896.0	1815.0
22.5°	2261.2	2260.2	2264.2	2256.0	2239.1	2212.8	2173.6	2107.2	2033.0	1937.4	1846.3
25°	2147.7	2143.4	2168.3	2175.1	2202.1	2206.9	2195.2	2158.8	2088.4	1990.0	1877.4
27.5°	1797.5	1795.1	1841.2	1899.0	1972.1	2029.0	2084.0	2110.5	2088.4	2018.0	1905.2
30°	1475.1	1524.8	1548.1	1631.6	1724.6	1835.7	1933.0	2025.5	2048.2	2017.6	1925.0
32.5°	1224.8	1268.1	1287.5	1359.2	1445.9	1576.0	1721.9	1852.9	1945.5	1968.9	1913.2
35°	931.6	932.1	976.5	1008.2	1088.6	1222.3	1364.1	1539.6	1714.0	1846.2	1860.0
37.5°	743.4	746.0	772.8	804.5	864.7	935.5	1060.3	1206.2	1407.8	1610.6	1729.6
40°	641.9	646.6	666.7	697.9	741.2	794.7	891.9	1029.5	1197.5	1423.3	1607.8
42.5°	576.7	584.4	594.8	618.8	645.7	695.7	774.4	880.5	1033.4	1246.9	1459.8
45°	497.0	501.2	509.2	520.3	544.6	579.5	632.4	703.7	830.6	1002.5	1215.5
47.5°	438.4	436.2	444.5	453.5	469.7	493.5	529.0	587.2	677.7	815.6	996.3
50°	398.7	398.1	403.9	410.8	426.2	443.6	472.7	516.5	588.4	702.7	868.2
52.5°	361.4	363.5	367.6	376.2	387.2	401.3	427.4	459.0	520.8	619.4	757.3
55°	311.9	313.6	319.3	324.1	332.0	346.3	362.7	389.1	431.4	500.2	613.8
57.5°	270.0	269.3	274.9	276.1	285.1	296.7	309.4	329.9	360.6	411.6	488.2
60°	242.2	240.5	245.3	249.0	253.8	263.3	273.9	294.0	318.3	355.8	421.4
62.5°	216.8	216.0	219.5	223.2	227.1	235.8	244.7	260.1	279.3	311.0	363.0
65°	179.8	181.4	182.9	184.5	186.6	191.9	200.4	211.0	224.2	246.4	283.9
67.5°	141.3	142.9	143.4	146.6	151.2	154.5	159.7	169.1	178.2	197.0	218.3
70°	114.2	113.7	114.2	115.8	121.6	127.4	134.3	141.2	146.9	160.2	178.1
72.5°	98.2	97.1	98.6	98.9	101.7	103.3	107.7	114.1	121.6	130.6	143.5
75°	76.1	76.1	76.1	76.1	78.3	79.3	80.9	82.5	85.1	89.4	98.9
77.5°	56.2	56.4	57.1	57.7	58.1	58.7	59.7	61.2	62.2	64.4	68.6
80°	44.4	44.9	44.4	44.9	44.9	45.9	46.6	48.1	48.7	51.3	52.9
82.5°	33.4	33.1	33.4	33.9	33.9	35.0	35.1	36.3	36.4	37.8	39.4
85°	18.0	17.0	18.0	17.5	18.5	17.5	18.0	19.0	19.0	19.6	21.7
87.5°	12.0	12.7	11.8	12.1	12.0	12.2	12.0	11.8	12.4	11.7	11.4
90°	39.0	38.4	37.8	37.3	36.7	35.7	34.6	33.4	32.3	31.2	27.4
92.5°	43.1	42.7	42.4	42.1	41.7	40.6	38.8	37.0	35.0	33.2	30.4
95°	49.4	49.4	49.4	49.4	49.4	48.4	46.4	44.3	42.3	40.3	37.1
97.5°	53.5	53.2	52.9	52.6	52.3	51.0	48.8	46.5	44.1	41.8	62.6
100°	54.5	54.2	53.9	53.6	53.4	52.1	49.8	47.5	45.1	42.8	87.9
102.5°	55.5	55.0	54.5	54.0	53.5	56.9	63.9	71.1	78.3	85.4	134.6
105°	57.2	56.6	55.9	55.4	54.8	80.1	131.2	182.2	233.3	284.4	310.3
107.5°	179.5	217.9	256.4	295.0	333.5	371.4	408.9	446.4	483.7	521.2	517.2
110°	357.1	398.4	439.6	480.9	522.1	547.5	557.0	566.5	576.1	585.6	582.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	612.7	621.4	630.1	638.7	647.5	651.8	651.6	651.5	651.3	651.1	647.9
115°	763.6	762.3	761.2	760.0	758.9	756.9	754.0	751.1	748.2	745.4	742.8
117.5°	848.2	848.0	847.7	847.5	847.3	846.0	843.6	841.4	839.1	836.8	835.5
120°	906.4	906.4	906.4	906.4	906.4	905.2	902.9	900.6	898.3	896.0	895.1
122.5°	963.5	963.3	963.0	962.8	962.6	961.7	960.1	958.5	956.8	955.2	954.1
125°	1044.0	1043.4	1042.9	1042.3	1041.7	1041.1	1040.6	1040.0	1039.4	1038.8	1037.6
127.5°	1121.4	1122.0	1122.6	1123.2	1123.7	1123.6	1122.6	1121.7	1120.7	1119.8	1118.4
130°	1171.2	1171.8	1172.5	1173.0	1173.6	1173.3	1172.2	1170.9	1169.8	1168.6	1167.5
132.5°	1217.0	1217.8	1218.6	1219.4	1220.2	1220.0	1218.9	1217.7	1216.6	1215.4	1214.5
135°	1286.9	1287.7	1288.6	1289.4	1290.3	1290.3	1289.4	1288.6	1287.7	1286.9	1285.7
137.5°	1352.5	1353.1	1353.7	1354.2	1354.8	1354.4	1353.0	1351.7	1350.3	1348.9	1348.3
140°	1392.0	1392.6	1393.1	1393.7	1394.3	1394.0	1392.9	1391.7	1390.6	1389.4	1388.6
142.5°	1428.4	1429.2	1430.0	1430.8	1431.6	1431.6	1430.6	1429.7	1428.8	1427.8	1426.9
145°	1484.2	1484.2	1484.2	1484.2	1484.2	1483.9	1483.3	1482.8	1482.2	1481.6	1481.1
147.5°	1525.7	1527.1	1528.4	1529.7	1531.1	1531.5	1530.9	1530.2	1529.7	1529.1	1528.5
150°	1556.9	1557.8	1558.6	1559.5	1560.3	1560.5	1559.9	1559.3	1558.8	1558.2	1557.6
152.5°	1581.9	1583.2	1584.5	1585.8	1587.2	1587.3	1586.3	1585.2	1584.2	1583.2	1582.8
155°	1616.7	1618.4	1620.1	1621.8	1623.6	1623.8	1622.2	1620.8	1619.4	1617.9	1617.7
157.5°	1646.0	1648.2	1650.5	1652.7	1655.0	1655.3	1653.6	1651.8	1650.0	1648.3	1648.6
160°	1664.7	1666.7	1668.7	1670.7	1672.7	1672.9	1671.2	1669.4	1667.7	1666.0	1666.3
162.5°	1682.3	1684.2	1686.0	1687.7	1689.5	1689.4	1687.5	1685.5	1683.5	1681.5	1681.8
165°	1703.6	1705.7	1707.7	1709.7	1711.7	1711.6	1709.3	1707.0	1704.7	1702.3	1702.6
167.5°	1719.0	1721.3	1723.6	1725.9	1728.2	1728.2	1725.9	1723.6	1721.3	1719.0	1719.0
170°	1728.3	1730.6	1732.9	1735.3	1737.6	1737.6	1735.3	1732.9	1730.6	1728.3	1728.3
172.5°	1733.5	1736.1	1738.6	1741.1	1743.6	1743.8	1741.5	1739.2	1736.9	1734.5	1734.3
175°	1741.3	1743.6	1746.0	1748.3	1750.5	1750.7	1748.7	1746.7	1744.6	1742.6	1742.3
177.5°	1743.6	1746.0	1748.3	1750.6	1752.9	1753.1	1751.3	1749.4	1747.6	1745.8	1745.5
180°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1275.3	1273.9	1268.1	1261.3	1252.4	1246.5	1241.8	1239.3	1231.7	1222.3	1216.1
5°	1354.0	1338.2	1321.3	1300.6	1281.6	1262.0	1249.9	1235.6	1218.2	1198.6	1184.9
7.5°	1438.5	1407.3	1373.8	1339.3	1305.0	1274.4	1247.4	1224.2	1196.4	1168.3	1148.7
10°	1503.2	1457.6	1410.6	1362.5	1318.6	1277.4	1245.7	1214.5	1181.1	1148.9	1124.6
12.5°	1562.0	1502.1	1447.8	1388.8	1332.6	1283.3	1237.6	1200.9	1160.8	1126.5	1098.7
15°	1636.4	1575.1	1509.4	1419.6	1345.0	1282.6	1227.2	1179.0	1130.4	1088.1	1061.2
17.5°	1706.0	1613.7	1525.6	1450.6	1353.7	1275.8	1208.0	1150.4	1097.1	1052.3	1019.1
20°	1734.7	1645.4	1549.6	1454.0	1358.8	1271.5	1192.8	1129.3	1073.8	1023.1	992.4
22.5°	1752.0	1650.8	1550.0	1447.2	1346.2	1255.5	1177.6	1107.7	1047.6	999.4	961.5
25°	1772.2	1651.7	1540.7	1439.2	1336.1	1237.7	1145.2	1071.2	1006.1	954.8	914.6
27.5°	1785.5	1643.8	1512.6	1399.7	1295.2	1197.2	1112.4	1034.0	968.0	913.7	870.6
30°	1788.1	1637.4	1491.0	1368.9	1262.5	1172.7	1082.8	1007.7	938.0	880.3	840.1
32.5°	1791.5	1621.7	1461.8	1332.0	1223.2	1134.2	1052.8	981.1	909.6	852.8	811.8
35°	1777.6	1613.2	1417.4	1268.4	1159.4	1073.3	999.8	933.7	863.4	808.4	766.6
37.5°	1717.5	1578.7	1371.6	1196.7	1082.8	1003.0	943.1	885.4	821.0	761.6	722.4
40°	1657.0	1544.9	1336.1	1153.2	1034.2	952.2	898.3	851.2	788.8	733.4	691.1
42.5°	1566.9	1498.8	1302.2	1107.4	979.2	900.2	854.7	810.6	755.9	699.5	659.7
45°	1401.6	1410.6	1232.9	1034.7	903.0	823.7	780.9	750.2	701.7	655.1	614.4
47.5°	1194.4	1278.4	1151.7	957.2	822.7	748.3	710.9	684.2	651.4	605.7	568.6
50°	1059.0	1179.0	1086.5	905.1	772.4	698.4	661.5	639.7	611.2	575.2	539.8
52.5°	934.2	1063.2	1007.8	847.2	717.9	650.3	614.1	596.2	573.5	539.7	507.7
55°	761.8	892.5	879.8	759.7	636.0	575.2	547.8	527.7	512.3	487.0	461.6
57.5°	616.3	740.1	746.7	662.5	563.9	503.8	480.2	465.0	455.0	435.9	412.4
60°	524.5	638.1	660.4	596.9	512.3	459.5	436.2	424.0	416.1	400.8	382.8
62.5°	448.4	545.1	570.3	524.6	462.8	413.3	395.2	383.4	378.0	364.8	348.9
65°	343.2	423.5	447.8	422.4	390.2	350.5	335.8	325.7	320.9	313.6	301.8
67.5°	258.0	316.6	343.3	325.4	313.8	288.7	279.2	273.9	269.6	264.6	254.9
70°	207.2	250.6	278.1	273.4	263.9	250.6	243.8	240.0	235.8	231.6	223.1
72.5°	166.6	196.5	222.3	224.7	216.9	214.2	208.2	206.6	204.1	199.0	194.4
75°	110.5	131.1	149.1	155.9	159.2	161.8	159.2	158.6	158.0	153.9	151.2
77.5°	72.4	83.5	94.8	106.5	111.6	115.1	116.0	118.0	116.5	114.3	113.0
80°	55.5	58.2	66.0	76.1	84.0	87.3	89.4	90.4	89.9	89.4	87.3
82.5°	40.3	42.5	46.3	53.3	60.0	65.2	66.6	66.3	67.5	67.8	66.0
85°	21.7	22.2	23.2	24.3	28.0	33.8	35.4	36.5	37.6	37.6	34.3
87.5°	11.5	10.3	10.4	9.8	10.4	10.3	12.2	13.8	14.8	13.6	14.2
90°	23.6	19.9	16.2	12.8	10.0	7.1	4.1	1.3	4.1	7.1	10.0
92.5°	27.6	24.7	21.9	20.9	21.7	22.5	23.3	24.1	23.3	22.5	21.7
95°	33.9	30.7	27.6	31.9	43.7	55.5	67.4	79.2	67.4	55.5	43.7
97.5°	83.4	104.1	124.9	137.9	143.3	148.6	153.9	159.2	153.9	148.6	143.3
100°	132.9	177.9	222.9	242.6	236.7	231.0	225.2	219.4	225.2	231.0	236.7
102.5°	183.8	233.0	282.2	304.7	300.4	296.3	292.2	288.0	292.2	296.3	300.4
105°	336.3	362.2	388.3	399.6	396.5	393.3	390.1	387.0	390.1	393.3	396.5
107.5°	513.0	509.0	504.8	501.5	499.0	496.4	493.9	491.4	493.9	496.4	499.0
110°	579.3	576.1	572.9	570.2	567.8	565.5	563.3	561.0	563.3	565.5	567.8



TEST NUMBER: P332442-840

CATALOG NUMBER: S123RDIW-S775D1320U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	644.7	641.6	638.3	635.7	633.7	631.6	629.5	627.4	629.5	631.6	633.7
115°	740.1	737.5	735.0	732.8	731.0	729.3	727.6	725.9	727.6	729.3	731.0
117.5°	834.1	832.7	831.4	829.7	827.6	825.5	823.3	821.2	823.3	825.5	827.6
120°	894.2	893.3	892.5	890.8	888.2	885.6	883.0	880.4	883.0	885.6	888.2
122.5°	953.0	951.9	950.8	949.2	947.1	944.9	942.8	940.7	942.8	944.9	947.1
125°	1036.5	1035.3	1034.2	1032.5	1030.2	1027.8	1025.5	1023.2	1025.5	1027.8	1030.2
127.5°	1117.1	1115.7	1114.3	1112.5	1110.1	1107.8	1105.5	1103.2	1105.5	1107.8	1110.1
130°	1166.4	1165.2	1164.1	1162.4	1160.0	1157.7	1155.4	1153.1	1155.4	1157.7	1160.0
132.5°	1213.6	1212.6	1211.7	1210.1	1207.8	1205.5	1203.2	1200.8	1203.2	1205.5	1207.8
135°	1284.5	1283.3	1282.2	1280.8	1279.0	1277.3	1275.6	1273.8	1275.6	1277.3	1279.0
137.5°	1347.7	1347.0	1346.4	1344.9	1342.7	1340.6	1338.4	1336.2	1338.4	1340.6	1342.7
140°	1387.7	1386.8	1385.9	1384.6	1382.9	1381.2	1379.5	1377.8	1379.5	1381.2	1382.9
142.5°	1426.1	1425.2	1424.4	1423.1	1421.4	1419.7	1417.9	1416.1	1417.9	1419.7	1421.4
145°	1480.5	1479.9	1479.3	1478.0	1476.0	1474.0	1472.0	1470.0	1472.0	1474.0	1476.0
147.5°	1527.9	1527.4	1526.8	1525.9	1524.5	1523.2	1521.9	1520.6	1521.9	1523.2	1524.5
150°	1557.0	1556.5	1555.9	1555.2	1554.3	1553.5	1552.6	1551.8	1552.6	1553.5	1554.3
152.5°	1582.5	1582.2	1581.8	1581.3	1580.9	1580.5	1580.1	1579.7	1580.1	1580.5	1580.9
155°	1617.4	1617.1	1616.8	1616.9	1617.5	1618.1	1618.7	1619.2	1618.7	1618.1	1617.5
157.5°	1648.9	1649.2	1649.5	1649.6	1649.7	1649.8	1649.8	1649.9	1649.8	1649.8	1649.7
160°	1666.6	1666.9	1667.2	1667.4	1667.7	1668.0	1668.3	1668.6	1668.3	1668.0	1667.7
162.5°	1682.1	1682.4	1682.7	1683.2	1683.9	1684.8	1685.5	1686.3	1685.5	1684.8	1683.9
165°	1702.9	1703.2	1703.5	1704.0	1705.0	1705.8	1706.7	1707.6	1706.7	1705.8	1705.0
167.5°	1719.0	1719.0	1719.0	1719.5	1720.7	1721.8	1723.0	1724.1	1723.0	1721.8	1720.7
170°	1728.3	1728.3	1728.3	1728.9	1730.1	1731.2	1732.3	1733.5	1732.3	1731.2	1730.1
172.5°	1734.1	1733.8	1733.6	1734.2	1735.6	1737.0	1738.4	1739.8	1738.4	1737.0	1735.6
175°	1742.0	1741.7	1741.4	1742.0	1743.4	1744.9	1746.4	1747.8	1746.4	1744.9	1743.4
177.5°	1745.2	1745.0	1744.8	1745.2	1746.5	1747.6	1748.7	1749.9	1748.7	1747.6	1746.5
180°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8



TEST NUMBER: P332442-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1214.0	1208.4	1204.7	1196.2	1190.6	1184.8	1178.8	1182.7	1182.2	1181.7	1181.7
5°	1173.3	1161.0	1149.9	1135.7	1126.7	1115.6	1107.1	1106.1	1108.2	1100.8	1096.5
7.5°	1132.9	1116.2	1100.4	1084.7	1068.0	1054.7	1046.3	1042.4	1037.0	1032.5	1027.7
10°	1104.5	1084.9	1069.5	1050.1	1032.1	1016.2	1006.1	999.3	995.5	991.9	985.0
12.5°	1075.3	1056.1	1036.6	1014.5	997.3	979.0	971.5	963.7	956.6	952.5	943.1
15°	1032.6	1007.7	987.1	963.8	944.8	926.9	916.3	900.9	898.8	893.5	884.0
17.5°	989.8	962.8	934.3	917.2	895.6	877.0	860.8	855.7	840.5	834.9	826.6
20°	955.9	931.1	909.4	886.7	855.5	838.0	825.4	818.5	806.3	798.9	793.6
22.5°	926.8	901.5	876.4	849.9	824.2	804.6	795.3	784.6	778.0	767.6	761.8
25°	885.0	857.6	827.5	798.9	780.4	765.6	750.7	741.2	731.7	727.0	716.4
27.5°	836.7	807.9	779.7	758.1	735.4	720.7	707.3	698.8	687.4	679.4	673.6
30°	810.0	776.2	751.8	732.3	703.2	689.4	679.4	668.8	660.4	651.9	646.1
32.5°	779.1	748.2	725.2	700.9	678.6	663.7	650.7	641.4	634.1	626.1	620.3
35°	730.6	704.8	681.0	656.6	640.3	624.9	609.7	601.7	594.8	587.4	582.1
37.5°	686.9	662.7	640.1	617.0	596.7	584.2	571.9	565.8	556.5	551.6	546.1
40°	659.8	636.0	611.7	589.6	568.4	558.9	547.8	538.8	530.3	526.6	520.8
42.5°	630.3	606.4	585.9	562.0	544.7	531.8	521.5	511.7	505.3	500.0	496.7
45°	586.3	565.2	545.1	521.3	504.9	493.8	482.2	473.2	467.4	463.7	457.9
47.5°	543.7	522.6	502.2	481.4	465.5	452.9	441.3	435.0	427.3	422.7	418.9
50°	512.8	493.8	472.1	453.1	437.3	424.5	415.1	407.1	400.2	394.5	391.8
52.5°	484.5	464.2	445.5	427.8	411.0	396.7	388.0	379.6	374.5	367.8	364.7
55°	437.8	418.2	402.3	384.9	368.5	356.4	345.8	338.4	333.1	325.7	321.4
57.5°	393.8	376.4	357.4	342.2	325.4	315.1	306.3	296.3	289.8	284.1	279.9
60°	364.3	344.2	327.8	313.6	298.7	285.5	277.6	269.6	262.8	256.9	253.3
62.5°	333.5	315.9	300.3	284.8	271.2	259.7	250.5	243.9	237.8	234.1	230.5
65°	286.0	272.3	256.4	243.8	231.1	222.6	215.2	209.3	205.1	202.5	199.3
67.5°	242.5	229.1	215.3	202.8	194.4	187.9	183.1	178.0	175.9	172.6	170.5
70°	214.1	200.4	188.2	178.7	170.3	165.5	162.3	158.6	156.5	152.3	150.2
72.5°	183.3	173.3	164.5	156.7	150.0	145.6	141.6	137.0	133.7	129.0	126.9
75°	144.3	135.3	128.5	123.2	119.0	113.1	107.3	102.6	101.0	99.4	98.9
77.5°	106.9	101.2	96.2	91.8	86.5	82.3	81.0	80.0	79.6	78.8	78.8
80°	84.0	78.8	75.0	69.8	66.7	66.7	66.7	65.5	66.0	66.0	66.0
82.5°	62.5	57.7	55.6	53.7	53.1	53.5	53.5	53.7	53.4	54.2	53.8
85°	32.2	32.8	33.8	33.3	33.8	33.8	34.9	34.3	34.9	33.8	34.9
87.5°	14.4	16.4	17.5	18.7	19.9	20.2	20.8	21.1	21.7	21.9	22.1
90°	12.8	16.2	19.9	23.6	27.4	31.2	32.3	33.4	34.6	35.7	36.7
92.5°	20.9	21.9	24.7	27.6	30.4	33.2	35.0	37.0	38.8	40.6	41.7
95°	31.9	27.6	30.7	33.9	37.1	40.3	42.3	44.3	46.4	48.4	49.4
97.5°	137.9	124.9	104.1	83.4	62.6	41.8	44.1	46.5	48.8	51.0	52.3
100°	242.6	222.9	177.9	132.9	87.9	42.8	45.1	47.5	49.8	52.1	53.4
102.5°	304.7	282.2	233.0	183.8	134.6	85.4	78.3	71.1	63.9	56.9	53.5
105°	399.6	388.3	362.2	336.3	310.3	284.4	233.3	182.2	131.2	80.1	54.8
107.5°	501.5	504.8	509.0	513.0	517.2	521.2	483.7	446.4	408.9	371.4	333.5
110°	570.2	572.9	576.1	579.3	582.5	585.6	576.1	566.5	557.0	547.5	522.1



TEST NUMBER: P332442-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	635.7	638.3	641.6	644.7	647.9	651.1	651.3	651.5	651.6	651.8	647.5
115°	732.8	735.0	737.5	740.1	742.8	745.4	748.2	751.1	754.0	756.9	758.9
117.5°	829.7	831.4	832.7	834.1	835.5	836.8	839.1	841.4	843.6	846.0	847.3
120°	890.8	892.5	893.3	894.2	895.1	896.0	898.3	900.6	902.9	905.2	906.4
122.5°	949.2	950.8	951.9	953.0	954.1	955.2	956.8	958.5	960.1	961.7	962.6
125°	1032.5	1034.2	1035.3	1036.5	1037.6	1038.8	1039.4	1040.0	1040.6	1041.1	1041.7
127.5°	1112.5	1114.3	1115.7	1117.1	1118.4	1119.8	1120.7	1121.7	1122.6	1123.6	1123.7
130°	1162.4	1164.1	1165.2	1166.4	1167.5	1168.6	1169.8	1170.9	1172.2	1173.3	1173.6
132.5°	1210.1	1211.7	1212.6	1213.6	1214.5	1215.4	1216.6	1217.7	1218.9	1220.0	1220.2
135°	1280.8	1282.2	1283.3	1284.5	1285.7	1286.9	1287.7	1288.6	1289.4	1290.3	1290.3
137.5°	1344.9	1346.4	1347.0	1347.7	1348.3	1348.9	1350.3	1351.7	1353.0	1354.4	1354.8
140°	1384.6	1385.9	1386.8	1387.7	1388.6	1389.4	1390.6	1391.7	1392.9	1394.0	1394.3
142.5°	1423.1	1424.4	1425.2	1426.1	1426.9	1427.8	1428.8	1429.7	1430.6	1431.6	1431.6
145°	1478.0	1479.3	1479.9	1480.5	1481.1	1481.6	1482.2	1482.8	1483.3	1483.9	1484.2
147.5°	1525.9	1526.8	1527.4	1527.9	1528.5	1529.1	1529.7	1530.2	1530.9	1531.5	1531.1
150°	1555.2	1555.9	1556.5	1557.0	1557.6	1558.2	1558.8	1559.3	1559.9	1560.5	1560.3
152.5°	1581.3	1581.8	1582.2	1582.5	1582.8	1583.2	1584.2	1585.2	1586.3	1587.3	1587.2
155°	1616.9	1616.8	1617.1	1617.4	1617.7	1617.9	1619.4	1620.8	1622.2	1623.8	1623.6
157.5°	1649.6	1649.5	1649.2	1648.9	1648.6	1648.3	1650.0	1651.8	1653.6	1655.3	1655.0
160°	1667.4	1667.2	1666.9	1666.6	1666.3	1666.0	1667.7	1669.4	1671.2	1672.9	1672.7
162.5°	1683.2	1682.7	1682.4	1682.1	1681.8	1681.5	1683.5	1685.5	1687.5	1689.4	1689.5
165°	1704.0	1703.5	1703.2	1702.9	1702.6	1702.3	1704.7	1707.0	1709.3	1711.6	1711.7
167.5°	1719.5	1719.0	1719.0	1719.0	1719.0	1719.0	1721.3	1723.6	1725.9	1728.2	1728.2
170°	1728.9	1728.3	1728.3	1728.3	1728.3	1728.3	1730.6	1732.9	1735.3	1737.6	1737.6
172.5°	1734.2	1733.6	1733.8	1734.1	1734.3	1734.5	1736.9	1739.2	1741.5	1743.8	1743.6
175°	1742.0	1741.4	1741.7	1742.0	1742.3	1742.6	1744.6	1746.7	1748.7	1750.7	1750.5
177.5°	1745.2	1744.8	1745.0	1745.2	1745.5	1745.8	1747.6	1749.4	1751.3	1753.1	1752.9
180°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8



TEST NUMBER: P332442-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1176.7	1176.3	1176.7	1175.0	1176.7	1176.3	1176.7	1181.7	1181.7	1182.2	1182.7
5°	1095.0	1094.4	1092.9	1088.1	1092.9	1094.4	1095.0	1096.5	1100.8	1108.2	1106.1
7.5°	1023.6	1022.9	1018.2	1018.3	1018.2	1022.9	1023.6	1027.7	1032.5	1037.0	1042.4
10°	981.3	981.8	975.5	971.8	975.5	981.8	981.3	985.0	991.9	995.5	999.3
12.5°	940.3	937.9	932.7	928.7	932.7	937.9	940.3	943.1	952.5	956.6	963.7
15°	886.2	880.8	868.2	869.2	868.2	880.8	886.2	884.0	893.5	898.8	900.9
17.5°	822.3	818.5	818.2	810.8	818.2	818.5	822.3	826.6	834.9	840.5	855.7
20°	785.2	782.5	783.6	776.2	783.6	782.5	785.2	793.6	798.9	806.3	818.5
22.5°	756.0	753.4	748.9	746.6	748.9	753.4	756.0	761.8	767.6	778.0	784.6
25°	713.3	709.0	704.8	707.4	704.8	709.0	713.3	716.4	727.0	731.7	741.2
27.5°	670.6	667.3	663.1	662.6	663.1	667.3	670.6	673.6	679.4	687.4	698.8
30°	643.5	640.3	638.1	635.5	638.1	640.3	643.5	646.1	651.9	660.4	668.8
32.5°	615.9	615.3	611.5	611.0	611.5	615.3	615.9	620.3	626.1	634.1	641.4
35°	580.0	576.8	575.7	576.3	575.7	576.8	580.0	582.1	587.4	594.8	601.7
37.5°	545.8	541.6	539.7	537.9	539.7	541.6	545.8	546.1	551.6	556.5	565.8
40°	521.3	517.1	516.0	514.9	516.0	517.1	521.3	520.8	526.6	530.3	538.8
42.5°	493.8	492.1	491.5	489.6	491.5	492.1	493.8	496.7	500.0	505.3	511.7
45°	456.3	455.8	452.6	453.6	452.6	455.8	456.3	457.9	463.7	467.4	473.2
47.5°	416.8	414.4	412.2	413.6	412.2	414.4	416.8	418.9	422.7	427.3	435.0
50°	389.7	388.6	383.8	384.9	383.8	388.6	389.7	391.8	394.5	400.2	407.1
52.5°	362.6	358.6	356.8	356.2	356.8	358.6	362.6	364.7	367.8	374.5	379.6
55°	317.8	313.0	310.8	309.8	310.8	313.0	317.8	321.4	325.7	333.1	338.4
57.5°	273.8	272.5	270.8	272.0	270.8	272.5	273.8	279.9	284.1	289.8	296.3
60°	247.9	247.9	247.9	247.4	247.9	247.9	247.9	253.3	256.9	262.8	269.6
62.5°	228.1	226.8	226.4	227.1	226.4	226.8	228.1	230.5	234.1	237.8	243.9
65°	197.7	197.2	195.1	194.6	195.1	197.2	197.7	199.3	202.5	205.1	209.3
67.5°	169.1	167.1	166.5	165.8	166.5	167.1	169.1	170.5	172.6	175.9	178.0
70°	147.5	146.4	143.3	143.8	143.3	146.4	147.5	150.2	152.3	156.5	158.6
72.5°	124.2	123.2	122.6	121.8	122.6	123.2	124.2	126.9	129.0	133.7	137.0
75°	98.4	97.9	97.3	99.4	97.3	97.9	98.4	98.9	99.4	101.0	102.6
77.5°	78.8	78.8	79.1	78.3	79.1	78.8	78.8	78.8	78.8	79.6	80.0
80°	66.0	66.0	65.5	65.5	65.5	66.0	66.0	66.0	66.0	66.0	65.5
82.5°	53.0	53.4	53.7	52.9	53.7	53.4	53.0	53.8	54.2	53.4	53.7
85°	34.9	34.3	35.4	34.9	35.4	34.3	34.9	34.9	33.8	34.9	34.3
87.5°	23.1	22.3	22.5	23.0	22.5	22.3	23.1	22.1	21.9	21.7	21.1
90°	37.3	37.8	38.4	39.0	38.4	37.8	37.3	36.7	35.7	34.6	33.4
92.5°	42.1	42.4	42.7	43.1	42.7	42.4	42.1	41.7	40.6	38.8	37.0
95°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	48.4	46.4	44.3
97.5°	52.6	52.9	53.2	53.5	53.2	52.9	52.6	52.3	51.0	48.8	46.5
100°	53.6	53.9	54.2	54.5	54.2	53.9	53.6	53.4	52.1	49.8	47.5
102.5°	54.0	54.5	55.0	55.5	55.0	54.5	54.0	53.5	56.9	63.9	71.1
105°	55.4	55.9	56.6	57.2	56.6	55.9	55.4	54.8	80.1	131.2	182.2
107.5°	295.0	256.4	217.9	179.5	217.9	256.4	295.0	333.5	371.4	408.9	446.4
110°	480.9	439.6	398.4	357.1	398.4	439.6	480.9	522.1	547.5	557.0	566.5



TEST NUMBER: P332442-840

CATALOG NUMBER: S123RDIW-S775D1320U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	638.7	630.1	621.4	612.7	621.4	630.1	638.7	647.5	651.8	651.6	651.5
115°	760.0	761.2	762.3	763.6	762.3	761.2	760.0	758.9	756.9	754.0	751.1
117.5°	847.5	847.7	848.0	848.2	848.0	847.7	847.5	847.3	846.0	843.6	841.4
120°	906.4	906.4	906.4	906.4	906.4	906.4	906.4	906.4	905.2	902.9	900.6
122.5°	962.8	963.0	963.3	963.5	963.3	963.0	962.8	962.6	961.7	960.1	958.5
125°	1042.3	1042.9	1043.4	1044.0	1043.4	1042.9	1042.3	1041.7	1041.1	1040.6	1040.0
127.5°	1123.2	1122.6	1122.0	1121.4	1122.0	1122.6	1123.2	1123.7	1123.6	1122.6	1121.7
130°	1173.0	1172.5	1171.8	1171.2	1171.8	1172.5	1173.0	1173.6	1173.3	1172.2	1170.9
132.5°	1219.4	1218.6	1217.8	1217.0	1217.8	1218.6	1219.4	1220.2	1220.0	1218.9	1217.7
135°	1289.4	1288.6	1287.7	1286.9	1287.7	1288.6	1289.4	1290.3	1290.3	1289.4	1288.6
137.5°	1354.2	1353.7	1353.1	1352.5	1353.1	1353.7	1354.2	1354.8	1354.4	1353.0	1351.7
140°	1393.7	1393.1	1392.6	1392.0	1392.6	1393.1	1393.7	1394.3	1394.0	1392.9	1391.7
142.5°	1430.8	1430.0	1429.2	1428.4	1429.2	1430.0	1430.8	1431.6	1431.6	1430.6	1429.7
145°	1484.2	1484.2	1484.2	1484.2	1484.2	1484.2	1484.2	1484.2	1483.9	1483.3	1482.8
147.5°	1529.7	1528.4	1527.1	1525.7	1527.1	1528.4	1529.7	1531.1	1531.5	1530.9	1530.2
150°	1559.5	1558.6	1557.8	1556.9	1557.8	1558.6	1559.5	1560.3	1560.5	1559.9	1559.3
152.5°	1585.8	1584.5	1583.2	1581.9	1583.2	1584.5	1585.8	1587.2	1587.3	1586.3	1585.2
155°	1621.8	1620.1	1618.4	1616.7	1618.4	1620.1	1621.8	1623.6	1623.8	1622.2	1620.8
157.5°	1652.7	1650.5	1648.2	1646.0	1648.2	1650.5	1652.7	1655.0	1655.3	1653.6	1651.8
160°	1670.7	1668.7	1666.7	1664.7	1666.7	1668.7	1670.7	1672.7	1672.9	1671.2	1669.4
162.5°	1687.7	1686.0	1684.2	1682.3	1684.2	1686.0	1687.7	1689.5	1689.4	1687.5	1685.5
165°	1709.7	1707.7	1705.7	1703.6	1705.7	1707.7	1709.7	1711.7	1711.6	1709.3	1707.0
167.5°	1725.9	1723.6	1721.3	1719.0	1721.3	1723.6	1725.9	1728.2	1728.2	1725.9	1723.6
170°	1735.3	1732.9	1730.6	1728.3	1730.6	1732.9	1735.3	1737.6	1737.6	1735.3	1732.9
172.5°	1741.1	1738.6	1736.1	1733.5	1736.1	1738.6	1741.1	1743.6	1743.8	1741.5	1739.2
175°	1748.3	1746.0	1743.6	1741.3	1743.6	1746.0	1748.3	1750.5	1750.7	1748.7	1746.7
177.5°	1750.6	1748.3	1746.0	1743.6	1746.0	1748.3	1750.6	1752.9	1753.1	1751.3	1749.4
180°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8



TEST NUMBER: P332442-840

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1178.8	1184.8	1190.6	1196.2	1204.7	1208.4	1214.0	1216.1	1222.3	1231.7	1239.3
5°	1107.1	1115.6	1126.7	1135.7	1149.9	1161.0	1173.3	1184.9	1198.6	1218.2	1235.6
7.5°	1046.3	1054.7	1068.0	1084.7	1100.4	1116.2	1132.9	1148.7	1168.3	1196.4	1224.2
10°	1006.1	1016.2	1032.1	1050.1	1069.5	1084.9	1104.5	1124.6	1148.9	1181.1	1214.5
12.5°	971.5	979.0	997.3	1014.5	1036.6	1056.1	1075.3	1098.7	1126.5	1160.8	1200.9
15°	916.3	926.9	944.8	963.8	987.1	1007.7	1032.6	1061.2	1088.1	1130.4	1179.0
17.5°	860.8	877.0	895.6	917.2	934.3	962.8	989.8	1019.1	1052.3	1097.1	1150.4
20°	825.4	838.0	855.5	886.7	909.4	931.1	955.9	992.4	1023.1	1073.8	1129.3
22.5°	795.3	804.6	824.2	849.9	876.4	901.5	926.8	961.5	999.4	1047.6	1107.7
25°	750.7	765.6	780.4	798.9	827.5	857.6	885.0	914.6	954.8	1006.1	1071.2
27.5°	707.3	720.7	735.4	758.1	779.7	807.9	836.7	870.6	913.7	968.0	1034.0
30°	679.4	689.4	703.2	732.3	751.8	776.2	810.0	840.1	880.3	938.0	1007.7
32.5°	650.7	663.7	678.6	700.9	725.2	748.2	779.1	811.8	852.8	909.6	981.1
35°	609.7	624.9	640.3	656.6	681.0	704.8	730.6	766.6	808.4	863.4	933.7
37.5°	571.9	584.2	596.7	617.0	640.1	662.7	686.9	722.4	761.6	821.0	885.4
40°	547.8	558.9	568.4	589.6	611.7	636.0	659.8	691.1	733.4	788.8	851.2
42.5°	521.5	531.8	544.7	562.0	585.9	606.4	630.3	659.7	699.5	755.9	810.6
45°	482.2	493.8	504.9	521.3	545.1	565.2	586.3	614.4	655.1	701.7	750.2
47.5°	441.3	452.9	465.5	481.4	502.2	522.6	543.7	568.6	605.7	651.4	684.2
50°	415.1	424.5	437.3	453.1	472.1	493.8	512.8	539.8	575.2	611.2	639.7
52.5°	388.0	396.7	411.0	427.8	445.5	464.2	484.5	507.7	539.7	573.5	596.2
55°	345.8	356.4	368.5	384.9	402.3	418.2	437.8	461.6	487.0	512.3	527.7
57.5°	306.3	315.1	325.4	342.2	357.4	376.4	393.8	412.4	435.9	455.0	465.0
60°	277.6	285.5	298.7	313.6	327.8	344.2	364.3	382.8	400.8	416.1	424.0
62.5°	250.5	259.7	271.2	284.8	300.3	315.9	333.5	348.9	364.8	378.0	383.4
65°	215.2	222.6	231.1	243.8	256.4	272.3	286.0	301.8	313.6	320.9	325.7
67.5°	183.1	187.9	194.4	202.8	215.3	229.1	242.5	254.9	264.6	269.6	273.9
70°	162.3	165.5	170.3	178.7	188.2	200.4	214.1	223.1	231.6	235.8	240.0
72.5°	141.6	145.6	150.0	156.7	164.5	173.3	183.3	194.4	199.0	204.1	206.6
75°	107.3	113.1	119.0	123.2	128.5	135.3	144.3	151.2	153.9	158.0	158.6
77.5°	81.0	82.3	86.5	91.8	96.2	101.2	106.9	113.0	114.3	116.5	118.0
80°	66.7	66.7	66.7	69.8	75.0	78.8	84.0	87.3	89.4	89.9	90.4
82.5°	53.5	53.5	53.1	53.7	55.6	57.7	62.5	66.0	67.8	67.5	66.3
85°	34.9	33.8	33.8	33.3	33.8	32.8	32.2	34.3	37.6	37.6	36.5
87.5°	20.8	20.2	19.9	18.7	17.5	16.4	14.4	14.2	13.6	14.8	13.8
90°	32.3	31.2	27.4	23.6	19.9	16.2	12.8	10.0	7.1	4.1	1.3
92.5°	35.0	33.2	30.4	27.6	24.7	21.9	20.9	21.7	22.5	23.3	24.1
95°	42.3	40.3	37.1	33.9	30.7	27.6	31.9	43.7	55.5	67.4	79.2
97.5°	44.1	41.8	62.6	83.4	104.1	124.9	137.9	143.3	148.6	153.9	159.2
100°	45.1	42.8	87.9	132.9	177.9	222.9	242.6	236.7	231.0	225.2	219.4
102.5°	78.3	85.4	134.6	183.8	233.0	282.2	304.7	300.4	296.3	292.2	288.0
105°	233.3	284.4	310.3	336.3	362.2	388.3	399.6	396.5	393.3	390.1	387.0
107.5°	483.7	521.2	517.2	513.0	509.0	504.8	501.5	499.0	496.4	493.9	491.4
110°	576.1	585.6	582.5	579.3	576.1	572.9	570.2	567.8	565.5	563.3	561.0



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CATALOG NUMBER: S123RDIW-S775D1320U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	651.3	651.1	647.9	644.7	641.6	638.3	635.7	633.7	631.6	629.5	627.4
115°	748.2	745.4	742.8	740.1	737.5	735.0	732.8	731.0	729.3	727.6	725.9
117.5°	839.1	836.8	835.5	834.1	832.7	831.4	829.7	827.6	825.5	823.3	821.2
120°	898.3	896.0	895.1	894.2	893.3	892.5	890.8	888.2	885.6	883.0	880.4
122.5°	956.8	955.2	954.1	953.0	951.9	950.8	949.2	947.1	944.9	942.8	940.7
125°	1039.4	1038.8	1037.6	1036.5	1035.3	1034.2	1032.5	1030.2	1027.8	1025.5	1023.2
127.5°	1120.7	1119.8	1118.4	1117.1	1115.7	1114.3	1112.5	1110.1	1107.8	1105.5	1103.2
130°	1169.8	1168.6	1167.5	1166.4	1165.2	1164.1	1162.4	1160.0	1157.7	1155.4	1153.1
132.5°	1216.6	1215.4	1214.5	1213.6	1212.6	1211.7	1210.1	1207.8	1205.5	1203.2	1200.8
135°	1287.7	1286.9	1285.7	1284.5	1283.3	1282.2	1280.8	1279.0	1277.3	1275.6	1273.8
137.5°	1350.3	1348.9	1348.3	1347.7	1347.0	1346.4	1344.9	1342.7	1340.6	1338.4	1336.2
140°	1390.6	1389.4	1388.6	1387.7	1386.8	1385.9	1384.6	1382.9	1381.2	1379.5	1377.8
142.5°	1428.8	1427.8	1426.9	1426.1	1425.2	1424.4	1423.1	1421.4	1419.7	1417.9	1416.1
145°	1482.2	1481.6	1481.1	1480.5	1479.9	1479.3	1478.0	1476.0	1474.0	1472.0	1470.0
147.5°	1529.7	1529.1	1528.5	1527.9	1527.4	1526.8	1525.9	1524.5	1523.2	1521.9	1520.6
150°	1558.8	1558.2	1557.6	1557.0	1556.5	1555.9	1555.2	1554.3	1553.5	1552.6	1551.8
152.5°	1584.2	1583.2	1582.8	1582.5	1582.2	1581.8	1581.3	1580.9	1580.5	1580.1	1579.7
155°	1619.4	1617.9	1617.7	1617.4	1617.1	1616.8	1616.9	1617.5	1618.1	1618.7	1619.2
157.5°	1650.0	1648.3	1648.6	1648.9	1649.2	1649.5	1649.6	1649.7	1649.8	1649.8	1649.9
160°	1667.7	1666.0	1666.3	1666.6	1666.9	1667.2	1667.4	1667.7	1668.0	1668.3	1668.6
162.5°	1683.5	1681.5	1681.8	1682.1	1682.4	1682.7	1683.2	1683.9	1684.8	1685.5	1686.3
165°	1704.7	1702.3	1702.6	1702.9	1703.2	1703.5	1704.0	1705.0	1705.8	1706.7	1707.6
167.5°	1721.3	1719.0	1719.0	1719.0	1719.0	1719.0	1719.5	1720.7	1721.8	1723.0	1724.1
170°	1730.6	1728.3	1728.3	1728.3	1728.3	1728.3	1728.9	1730.1	1731.2	1732.3	1733.5
172.5°	1736.9	1734.5	1734.3	1734.1	1733.8	1733.6	1734.2	1735.6	1737.0	1738.4	1739.8
175°	1744.6	1742.6	1742.3	1742.0	1741.7	1741.4	1742.0	1743.4	1744.9	1746.4	1747.8
177.5°	1747.6	1745.8	1745.5	1745.2	1745.0	1744.8	1745.2	1746.5	1747.6	1748.7	1749.9
180°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8



TEST NUMBER: P332442-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1241.8	1246.5	1252.4	1261.3	1268.1	1273.9	1275.3	1277.0	1281.2	1288.4	1293.8
5°	1249.9	1262.0	1281.6	1300.6	1321.3	1338.2	1354.0	1365.1	1375.7	1398.0	1415.9
7.5°	1247.4	1274.4	1305.0	1339.3	1373.8	1407.3	1438.5	1466.2	1493.9	1526.3	1563.2
10°	1245.7	1277.4	1318.6	1362.5	1410.6	1457.6	1503.2	1538.5	1579.8	1616.8	1663.9
12.5°	1237.6	1283.3	1332.6	1388.8	1447.8	1502.1	1562.0	1610.9	1658.1	1711.5	1766.3
15°	1227.2	1282.6	1345.0	1419.6	1509.4	1575.1	1636.4	1721.5	1779.7	1837.9	1916.0
17.5°	1208.0	1275.8	1353.7	1450.6	1525.6	1613.7	1706.0	1773.2	1851.6	1933.5	2004.4
20°	1192.8	1271.5	1358.8	1454.0	1549.6	1645.4	1734.7	1815.0	1896.0	1990.6	2048.8
22.5°	1177.6	1255.5	1346.2	1447.2	1550.0	1650.8	1752.0	1846.3	1937.4	2033.0	2107.2
25°	1145.2	1237.7	1336.1	1439.2	1540.7	1651.7	1772.2	1877.4	1990.0	2088.4	2158.8
27.5°	1112.4	1197.2	1295.2	1399.7	1512.6	1643.8	1785.5	1905.2	2018.0	2088.4	2110.5
30°	1082.8	1172.7	1262.5	1368.9	1491.0	1637.4	1788.1	1925.0	2017.6	2048.2	2025.5
32.5°	1052.8	1134.2	1223.2	1332.0	1461.8	1621.7	1791.5	1913.2	1968.9	1945.5	1852.9
35°	999.8	1073.3	1159.4	1268.4	1417.4	1613.2	1777.6	1860.0	1846.2	1714.0	1539.6
37.5°	943.1	1003.0	1082.8	1196.7	1371.6	1578.7	1717.5	1729.6	1610.6	1407.8	1206.2
40°	898.3	952.2	1034.2	1153.2	1336.1	1544.9	1657.0	1607.8	1423.3	1197.5	1029.5
42.5°	854.7	900.2	979.2	1107.4	1302.2	1498.8	1566.9	1459.8	1246.9	1033.4	880.5
45°	780.9	823.7	903.0	1034.7	1232.9	1410.6	1401.6	1215.5	1002.5	830.6	703.7
47.5°	710.9	748.3	822.7	957.2	1151.7	1278.4	1194.4	996.3	815.6	677.7	587.2
50°	661.5	698.4	772.4	905.1	1086.5	1179.0	1059.0	868.2	702.7	588.4	516.5
52.5°	614.1	650.3	717.9	847.2	1007.8	1063.2	934.2	757.3	619.4	520.8	459.0
55°	547.8	575.2	636.0	759.7	879.8	892.5	761.8	613.8	500.2	431.4	389.1
57.5°	480.2	503.8	563.9	662.5	746.7	740.1	616.3	488.2	411.6	360.6	329.9
60°	436.2	459.5	512.3	596.9	660.4	638.1	524.5	421.4	355.8	318.3	294.0
62.5°	395.2	413.3	462.8	524.6	570.3	545.1	448.4	363.0	311.0	279.3	260.1
65°	335.8	350.5	390.2	422.4	447.8	423.5	343.2	283.9	246.4	224.2	211.0
67.5°	279.2	288.7	313.8	325.4	343.3	316.6	258.0	218.3	197.0	178.2	169.1
70°	243.8	250.6	263.9	273.4	278.1	250.6	207.2	178.1	160.2	146.9	141.2
72.5°	208.2	214.2	216.9	224.7	222.3	196.5	166.6	143.5	130.6	121.6	114.1
75°	159.2	161.8	159.2	155.9	149.1	131.1	110.5	98.9	89.4	85.1	82.5
77.5°	116.0	115.1	111.6	106.5	94.8	83.5	72.4	68.6	64.4	62.2	61.2
80°	89.4	87.3	84.0	76.1	66.0	58.2	55.5	52.9	51.3	48.7	48.1
82.5°	66.6	65.2	60.0	53.3	46.3	42.5	40.3	39.4	37.8	36.4	36.3
85°	35.4	33.8	28.0	24.3	23.2	22.2	21.7	21.7	19.6	19.0	19.0
87.5°	12.2	10.3	10.4	9.8	10.4	10.3	11.5	11.4	11.7	12.4	11.8
90°	4.1	7.1	10.0	12.8	16.2	19.9	23.6	27.4	31.2	32.3	33.4
92.5°	23.3	22.5	21.7	20.9	21.9	24.7	27.6	30.4	33.2	35.0	37.0
95°	67.4	55.5	43.7	31.9	27.6	30.7	33.9	37.1	40.3	42.3	44.3
97.5°	153.9	148.6	143.3	137.9	124.9	104.1	83.4	62.6	41.8	44.1	46.5
100°	225.2	231.0	236.7	242.6	222.9	177.9	132.9	87.9	42.8	45.1	47.5
102.5°	292.2	296.3	300.4	304.7	282.2	233.0	183.8	134.6	85.4	78.3	71.1
105°	390.1	393.3	396.5	399.6	388.3	362.2	336.3	310.3	284.4	233.3	182.2
107.5°	493.9	496.4	499.0	501.5	504.8	509.0	513.0	517.2	521.2	483.7	446.4
110°	563.3	565.5	567.8	570.2	572.9	576.1	579.3	582.5	585.6	576.1	566.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	629.5	631.6	633.7	635.7	638.3	641.6	644.7	647.9	651.1	651.3	651.5
115°	727.6	729.3	731.0	732.8	735.0	737.5	740.1	742.8	745.4	748.2	751.1
117.5°	823.3	825.5	827.6	829.7	831.4	832.7	834.1	835.5	836.8	839.1	841.4
120°	883.0	885.6	888.2	890.8	892.5	893.3	894.2	895.1	896.0	898.3	900.6
122.5°	942.8	944.9	947.1	949.2	950.8	951.9	953.0	954.1	955.2	956.8	958.5
125°	1025.5	1027.8	1030.2	1032.5	1034.2	1035.3	1036.5	1037.6	1038.8	1039.4	1040.0
127.5°	1105.5	1107.8	1110.1	1112.5	1114.3	1115.7	1117.1	1118.4	1119.8	1120.7	1121.7
130°	1155.4	1157.7	1160.0	1162.4	1164.1	1165.2	1166.4	1167.5	1168.6	1169.8	1170.9
132.5°	1203.2	1205.5	1207.8	1210.1	1211.7	1212.6	1213.6	1214.5	1215.4	1216.6	1217.7
135°	1275.6	1277.3	1279.0	1280.8	1282.2	1283.3	1284.5	1285.7	1286.9	1287.7	1288.6
137.5°	1338.4	1340.6	1342.7	1344.9	1346.4	1347.0	1347.7	1348.3	1348.9	1350.3	1351.7
140°	1379.5	1381.2	1382.9	1384.6	1385.9	1386.8	1387.7	1388.6	1389.4	1390.6	1391.7
142.5°	1417.9	1419.7	1421.4	1423.1	1424.4	1425.2	1426.1	1426.9	1427.8	1428.8	1429.7
145°	1472.0	1474.0	1476.0	1478.0	1479.3	1479.9	1480.5	1481.1	1481.6	1482.2	1482.8
147.5°	1521.9	1523.2	1524.5	1525.9	1526.8	1527.4	1527.9	1528.5	1529.1	1529.7	1530.2
150°	1552.6	1553.5	1554.3	1555.2	1555.9	1556.5	1557.0	1557.6	1558.2	1558.8	1559.3
152.5°	1580.1	1580.5	1580.9	1581.3	1581.8	1582.2	1582.5	1582.8	1583.2	1584.2	1585.2
155°	1618.7	1618.1	1617.5	1616.9	1616.8	1617.1	1617.4	1617.7	1617.9	1619.4	1620.8
157.5°	1649.8	1649.8	1649.7	1649.6	1649.5	1649.2	1648.9	1648.6	1648.3	1650.0	1651.8
160°	1668.3	1668.0	1667.7	1667.4	1667.2	1666.9	1666.6	1666.3	1666.0	1667.7	1669.4
162.5°	1685.5	1684.8	1683.9	1683.2	1682.7	1682.4	1682.1	1681.8	1681.5	1683.5	1685.5
165°	1706.7	1705.8	1705.0	1704.0	1703.5	1703.2	1702.9	1702.6	1702.3	1704.7	1707.0
167.5°	1723.0	1721.8	1720.7	1719.5	1719.0	1719.0	1719.0	1719.0	1719.0	1721.3	1723.6
170°	1732.3	1731.2	1730.1	1728.9	1728.3	1728.3	1728.3	1728.3	1728.3	1730.6	1732.9
172.5°	1738.4	1737.0	1735.6	1734.2	1733.6	1733.8	1734.1	1734.3	1734.5	1736.9	1739.2
175°	1746.4	1744.9	1743.4	1742.0	1741.4	1741.7	1742.0	1742.3	1742.6	1744.6	1746.7
177.5°	1748.7	1747.6	1746.5	1745.2	1744.8	1745.0	1745.2	1745.5	1745.8	1747.6	1749.4
180°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1302.7	1302.7	1304.4	1310.8	1311.6	1317.2	1315.5
5°	1431.8	1441.8	1445.5	1461.4	1470.9	1475.1	1466.6
7.5°	1589.5	1617.9	1631.3	1647.9	1662.6	1667.1	1655.5
10°	1704.6	1734.1	1759.1	1774.3	1788.7	1798.2	1810.3
12.5°	1815.8	1852.2	1875.8	1897.4	1912.2	1924.2	1926.2
15°	1936.7	1991.7	2033.5	2064.1	2079.4	2087.4	2084.2
17.5°	2058.6	2109.6	2139.3	2170.6	2191.8	2192.9	2193.5
20°	2127.6	2177.3	2211.6	2234.8	2258.7	2257.7	2262.9
22.5°	2173.6	2212.8	2239.1	2256.0	2264.2	2260.2	2261.2
25°	2195.2	2206.9	2202.1	2175.1	2168.3	2143.4	2147.7
27.5°	2084.0	2029.0	1972.1	1899.0	1841.2	1795.1	1797.5
30°	1933.0	1835.7	1724.6	1631.6	1548.1	1524.8	1475.1
32.5°	1721.9	1576.0	1445.9	1359.2	1287.5	1268.1	1224.8
35°	1364.1	1222.3	1088.6	1008.2	976.5	932.1	931.6
37.5°	1060.3	935.5	864.7	804.5	772.8	746.0	743.4
40°	891.9	794.7	741.2	697.9	666.7	646.6	641.9
42.5°	774.4	695.7	645.7	618.8	594.8	584.4	576.7
45°	632.4	579.5	544.6	520.3	509.2	501.2	497.0
47.5°	529.0	493.5	469.7	453.5	444.5	436.2	438.4
50°	472.7	443.6	426.2	410.8	403.9	398.1	398.7
52.5°	427.4	401.3	387.2	376.2	367.6	363.5	361.4
55°	362.7	346.3	332.0	324.1	319.3	313.6	311.9
57.5°	309.4	296.7	285.1	276.1	274.9	269.3	270.0
60°	273.9	263.3	253.8	249.0	245.3	240.5	242.2
62.5°	244.7	235.8	227.1	223.2	219.5	216.0	216.8
65°	200.4	191.9	186.6	184.5	182.9	181.4	179.8
67.5°	159.7	154.5	151.2	146.6	143.4	142.9	141.3
70°	134.3	127.4	121.6	115.8	114.2	113.7	114.2
72.5°	107.7	103.3	101.7	98.9	98.6	97.1	98.2
75°	80.9	79.3	78.3	76.1	76.1	76.1	76.1
77.5°	59.7	58.7	58.1	57.7	57.1	56.4	56.2
80°	46.6	45.9	44.9	44.9	44.4	44.9	44.4
82.5°	35.1	35.0	33.9	33.9	33.4	33.1	33.4
85°	18.0	17.5	18.5	17.5	18.0	17.0	18.0
87.5°	12.0	12.2	12.0	12.1	11.8	12.7	12.0
90°	34.6	35.7	36.7	37.3	37.8	38.4	39.0
92.5°	38.8	40.6	41.7	42.1	42.4	42.7	43.1
95°	46.4	48.4	49.4	49.4	49.4	49.4	49.4
97.5°	48.8	51.0	52.3	52.6	52.9	53.2	53.5
100°	49.8	52.1	53.4	53.6	53.9	54.2	54.5
102.5°	63.9	56.9	53.5	54.0	54.5	55.0	55.5
105°	131.2	80.1	54.8	55.4	55.9	56.6	57.2
107.5°	408.9	371.4	333.5	295.0	256.4	217.9	179.5
110°	557.0	547.5	522.1	480.9	439.6	398.4	357.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	651.6	651.8	647.5	638.7	630.1	621.4	612.7
115°	754.0	756.9	758.9	760.0	761.2	762.3	763.6
117.5°	843.6	846.0	847.3	847.5	847.7	848.0	848.2
120°	902.9	905.2	906.4	906.4	906.4	906.4	906.4
122.5°	960.1	961.7	962.6	962.8	963.0	963.3	963.5
125°	1040.6	1041.1	1041.7	1042.3	1042.9	1043.4	1044.0
127.5°	1122.6	1123.6	1123.7	1123.2	1122.6	1122.0	1121.4
130°	1172.2	1173.3	1173.6	1173.0	1172.5	1171.8	1171.2
132.5°	1218.9	1220.0	1220.2	1219.4	1218.6	1217.8	1217.0
135°	1289.4	1290.3	1290.3	1289.4	1288.6	1287.7	1286.9
137.5°	1353.0	1354.4	1354.8	1354.2	1353.7	1353.1	1352.5
140°	1392.9	1394.0	1394.3	1393.7	1393.1	1392.6	1392.0
142.5°	1430.6	1431.6	1431.6	1430.8	1430.0	1429.2	1428.4
145°	1483.3	1483.9	1484.2	1484.2	1484.2	1484.2	1484.2
147.5°	1530.9	1531.5	1531.1	1529.7	1528.4	1527.1	1525.7
150°	1559.9	1560.5	1560.3	1559.5	1558.6	1557.8	1556.9
152.5°	1586.3	1587.3	1587.2	1585.8	1584.5	1583.2	1581.9
155°	1622.2	1623.8	1623.6	1621.8	1620.1	1618.4	1616.7
157.5°	1653.6	1655.3	1655.0	1652.7	1650.5	1648.2	1646.0
160°	1671.2	1672.9	1672.7	1670.7	1668.7	1666.7	1664.7
162.5°	1687.5	1689.4	1689.5	1687.7	1686.0	1684.2	1682.3
165°	1709.3	1711.6	1711.7	1709.7	1707.7	1705.7	1703.6
167.5°	1725.9	1728.2	1728.2	1725.9	1723.6	1721.3	1719.0
170°	1735.3	1737.6	1737.6	1735.3	1732.9	1730.6	1728.3
172.5°	1741.5	1743.8	1743.6	1741.1	1738.6	1736.1	1733.5
175°	1748.7	1750.7	1750.5	1748.3	1746.0	1743.6	1741.3
177.5°	1751.3	1753.1	1752.9	1750.6	1748.3	1746.0	1743.6
180°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8

(END OF REPORT)