

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: P332944-840

Luminaire Tested: **SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332944-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6989.5 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

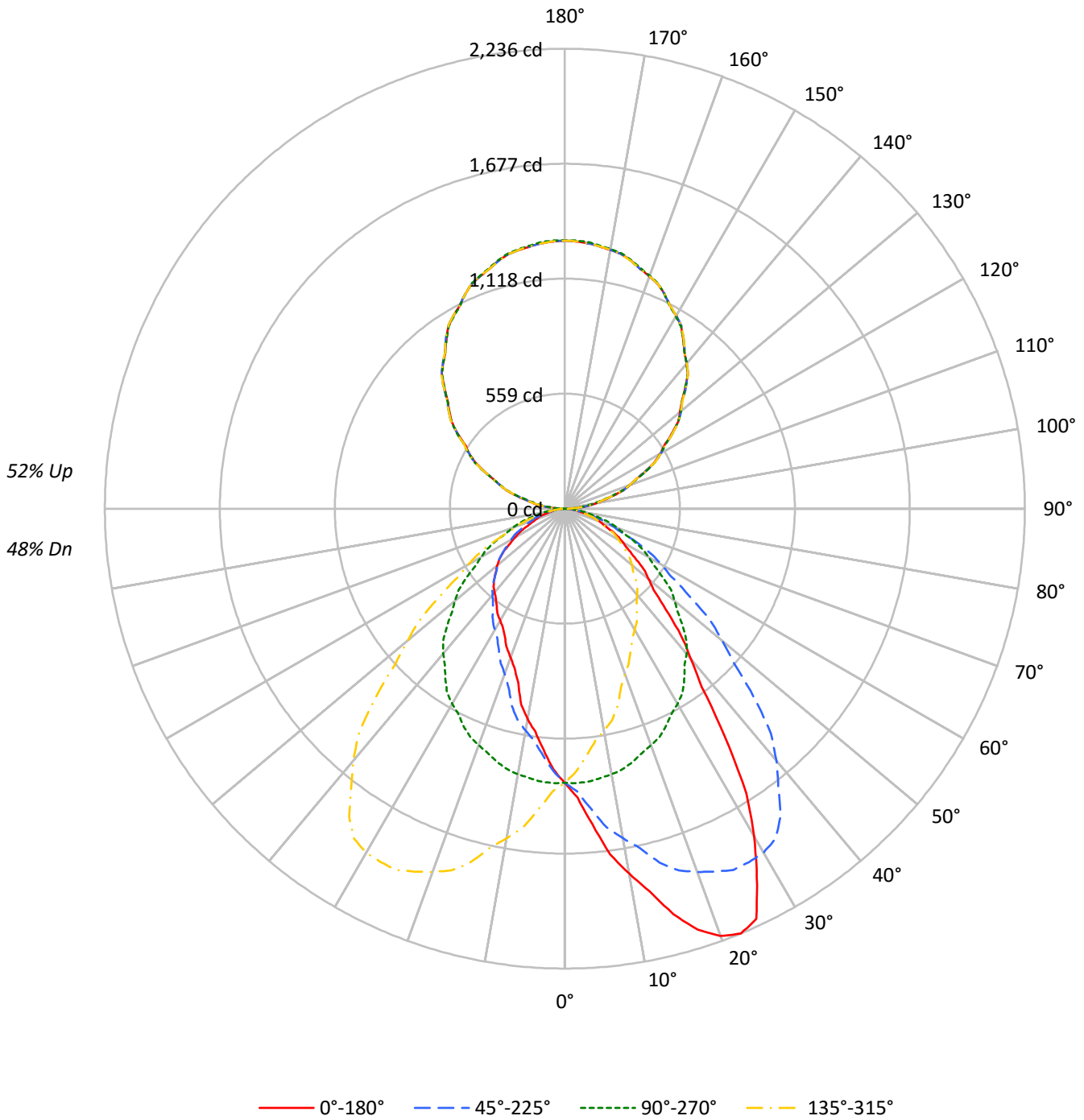
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48
1	98	94	90	87	90	86	83	80	73	71	69	60	59	57	49	48	47	42
2	89	82	76	71	82	76	71	67	64	61	57	54	51	49	44	42	40	36
3	82	73	66	60	75	67	61	56	57	53	49	48	44	42	39	37	35	31
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	35	32	30	27
5	69	58	50	44	63	54	47	41	46	40	36	39	35	31	32	29	27	23
6	64	52	44	38	59	48	41	36	41	36	32	35	31	28	29	26	24	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	17
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	23	19	17	15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10761	10761	10761	10761
5°	12482	10794	9541	10794
10°	14767	10747	8515	10747
15°	17057	10647	7317	10647
20°	18991	10511	6617	10511
25°	19605	10377	6143	10377
30°	17162	10213	5857	10213
35°	13360	9973	5685	9973
40°	10019	9695	5593	9695
45°	7911	9252	5543	9252
50°	6678	8743	5383	8743
55°	5820	8179	5095	8179
60°	5238	7597	4510	7597
65°	4617	6967	3878	6967
70°	4157	6314	3498	6314
75°	3484	5596	2982	5596
80°	2947	4770	2799	4770
85°	2492	3733	2492	3733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	1.8
10°-20°	389.6	5.6
20°-30°	609.4	8.7
30°-40°	677.4	9.7
40°-50°	601.0	8.6
50°-60°	468.4	6.7
60°-70°	306.6	4.4
70°-80°	150.8	2.2
80°-90°	41.1	0.6
90°-100°	86.0	1.2
100°-110°	254.7	3.6
110°-120°	432.2	6.2
120°-130°	569.9	8.2
130°-140°	640.1	9.2
140°-150°	629.0	9.0
150°-160°	529.0	7.6
160°-170°	352.0	5.0
170°-180°	123.2	1.8
0°-30°	1128.1	16.1
0°-40°	1805.6	25.8
0°-60°	2875.0	41.1
0°-90°	3373.5	48.3
90°-120°	772.9	11.1
90°-150°	2611.8	37.4
90°-180°	3616.0	51.7
0°-180°	6989.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1333	1333	1333	1333	1333	
5°	1540	1332	1177	1332	1540	156
15°	2041	1274	876	1274	2041	580
25°	2201	1165	690	1165	2201	976
35°	1356	1012	577	1012	1356	850
45°	693	810	486	810	693	549
55°	414	581	362	581	414	376
65°	242	365	203	365	242	243
75°	112	179	96	179	112	123
85°	27	40	27	40	27	31
90°	30	3	30	3	30	17
95°	80	60	80	60	80	83
105°	246	235	246	235	246	259
115°	436	440	436	440	436	430
125°	635	640	635	640	635	566
135°	827	826	827	826	827	638
145°	1004	1003	1004	1003	1004	628
155°	1148	1149	1148	1149	1148	528
165°	1248	1251	1248	1251	1248	351
175°	1295	1301	1295	1301	1295	123
180°	1303	1303	1303	1303	1303	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1406.0	1410.0	1406.0	1405.6	1401.4	1400.1	1398.4	1392.8	1382.4	1376.4	1377.8
5°	1540.3	1553.8	1546.3	1545.2	1533.4	1521.6	1514.0	1496.8	1478.5	1466.2	1456.0
7.5°	1695.7	1703.4	1698.7	1691.1	1672.0	1661.2	1643.8	1621.1	1588.4	1563.4	1540.4
10°	1801.4	1807.9	1805.6	1791.7	1777.8	1749.3	1733.1	1701.5	1660.1	1627.4	1596.8
12.5°	1905.3	1912.3	1893.3	1894.0	1867.5	1845.1	1819.6	1779.7	1731.9	1689.7	1651.3
15°	2040.9	2032.4	2032.4	2021.5	1992.1	1960.9	1934.6	1892.7	1832.5	1782.0	1728.9
17.5°	2147.1	2150.0	2145.7	2120.3	2097.1	2064.9	2016.6	1967.7	1911.9	1844.1	1789.8
20°	2210.6	2210.6	2205.8	2188.6	2158.6	2124.2	2072.0	2018.9	1948.0	1879.8	1818.6
22.5°	2236.4	2238.2	2232.4	2218.3	2191.2	2157.7	2113.3	2059.3	1986.2	1909.5	1833.6
25°	2201.0	2211.2	2212.2	2208.5	2200.4	2180.0	2141.9	2086.6	2021.0	1937.8	1856.1
27.5°	2020.7	2033.6	2044.9	2063.5	2088.2	2101.0	2102.7	2074.7	2017.5	1937.3	1855.2
30°	1841.1	1851.9	1886.7	1932.4	1967.9	2000.1	2028.0	2035.6	2003.4	1931.4	1844.9
32.5°	1641.7	1656.4	1691.3	1740.4	1799.5	1854.0	1916.7	1948.7	1947.9	1904.7	1824.7
35°	1355.6	1366.3	1398.6	1450.2	1521.1	1602.2	1701.5	1778.8	1831.5	1827.7	1778.8
37.5°	1093.3	1105.4	1138.0	1180.7	1249.5	1349.9	1446.0	1552.6	1649.9	1704.6	1688.3
40°	950.7	951.2	982.9	1026.9	1091.4	1178.9	1283.6	1401.8	1510.3	1598.9	1616.1
42.5°	838.1	838.2	859.1	906.6	953.0	1035.4	1135.4	1252.7	1379.7	1482.1	1527.6
45°	692.9	697.7	714.9	743.4	779.8	849.7	929.7	1038.7	1181.0	1302.4	1378.2
47.5°	586.7	593.8	604.7	627.9	657.0	703.6	769.7	867.7	983.5	1117.0	1224.8
50°	531.7	532.8	546.7	559.7	584.9	622.0	679.9	761.5	867.9	996.3	1116.1
52.5°	484.4	484.2	492.6	509.0	529.5	558.4	605.2	679.5	773.9	888.9	1012.5
55°	413.5	416.3	422.7	435.6	451.1	471.6	508.6	564.5	638.6	736.9	849.1
57.5°	359.6	361.0	366.1	371.5	385.9	400.7	428.5	467.3	529.8	610.3	714.9
60°	324.4	325.0	326.6	334.6	345.9	359.8	378.6	411.4	464.0	537.7	620.4
62.5°	290.0	290.9	293.5	299.3	308.1	317.7	337.4	363.8	407.3	470.2	544.7
65°	241.7	242.3	246.0	248.1	255.1	263.7	278.2	295.9	326.0	378.6	435.0
67.5°	202.0	202.0	202.2	205.1	209.8	215.6	224.3	238.4	261.2	293.5	343.2
70°	176.1	176.1	177.2	178.8	181.6	186.3	191.2	202.0	218.6	244.9	283.1
72.5°	152.1	152.5	153.6	153.9	155.3	159.3	162.9	169.8	182.1	202.0	232.8
75°	111.7	113.3	116.0	118.2	120.9	120.3	124.1	128.4	132.1	143.9	161.7
77.5°	83.1	82.3	82.6	84.4	84.7	85.3	88.0	91.3	94.1	99.7	106.0
80°	63.4	63.4	65.0	65.5	65.0	65.5	68.2	69.8	70.9	73.0	79.0
82.5°	47.9	48.8	48.3	48.8	49.1	49.6	51.9	52.2	53.3	54.1	56.7
85°	26.9	27.4	28.0	26.9	26.9	26.9	28.0	28.5	29.6	29.0	30.1
87.5°	15.5	14.9	15.3	15.2	15.6	14.9	15.1	15.8	14.5	14.7	14.3
90°	30.2	29.8	29.4	28.9	28.5	27.6	26.3	24.8	23.5	22.2	20.4
92.5°	44.7	44.5	44.2	43.9	43.7	43.1	42.3	41.5	40.7	39.9	38.7
95°	79.7	79.7	79.7	79.7	79.7	79.3	78.7	78.0	77.3	76.6	75.0
97.5°	124.8	124.8	124.8	124.8	124.8	124.4	123.6	122.8	122.0	121.2	119.4
100°	156.2	156.2	156.2	156.2	156.2	156.0	155.5	155.1	154.7	154.2	152.2
102.5°	191.7	191.6	191.4	191.2	191.0	190.6	190.0	189.3	188.7	188.1	186.2
105°	245.9	245.3	244.6	243.9	243.3	242.6	242.0	241.3	240.5	239.9	239.0
107.5°	298.7	298.8	298.8	298.9	298.9	298.6	298.0	297.4	296.8	296.2	296.0
110°	336.7	336.0	335.3	334.7	334.0	333.9	334.3	334.8	335.2	335.7	335.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.4	375.3	375.1	375.0	374.9	374.9	374.9	375.0	375.1	375.2	375.6
115°	435.5	435.7	435.9	436.2	436.4	436.6	436.8	437.0	437.3	437.5	437.9
117.5°	492.7	493.1	493.6	494.0	494.5	495.1	495.8	496.7	497.4	498.2	498.5
120°	536.2	535.8	535.3	534.9	534.4	534.8	535.9	537.0	538.2	539.3	540.0
122.5°	572.5	573.3	574.1	574.9	575.7	576.5	577.3	578.0	578.9	579.6	579.9
125°	635.0	635.5	635.9	636.4	636.8	637.2	637.7	638.1	638.6	639.0	639.2
127.5°	692.9	693.3	693.6	694.0	694.3	694.7	695.2	695.6	696.1	696.5	696.9
130°	730.7	731.6	732.6	733.5	734.4	735.1	735.5	736.0	736.4	736.8	736.8
132.5°	771.1	771.4	771.8	772.1	772.5	773.0	773.4	773.9	774.3	774.8	774.9
135°	826.6	827.2	827.9	828.6	829.2	829.8	830.2	830.7	831.1	831.6	831.6
137.5°	884.8	884.6	884.5	884.4	884.2	884.5	885.0	885.7	886.3	886.9	886.5
140°	920.3	920.5	920.7	921.0	921.2	921.4	921.6	921.9	922.1	922.3	922.3
142.5°	955.7	955.8	955.8	955.9	955.9	956.0	956.0	956.0	956.1	956.1	956.3
145°	1003.9	1004.6	1005.3	1005.9	1006.6	1007.0	1007.3	1007.5	1007.7	1007.9	1007.7
147.5°	1052.8	1053.0	1053.2	1053.4	1053.6	1053.8	1054.0	1054.2	1054.4	1054.6	1054.7
150°	1082.6	1082.8	1083.0	1083.3	1083.5	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6
152.5°	1109.9	1110.5	1111.2	1111.8	1112.4	1112.4	1111.8	1111.3	1110.8	1110.1	1110.0
155°	1148.1	1149.0	1149.9	1150.7	1151.7	1151.7	1150.7	1149.9	1149.0	1148.1	1148.3
157.5°	1182.1	1183.0	1183.7	1184.5	1185.2	1185.3	1184.6	1183.9	1183.3	1182.6	1182.7
160°	1201.5	1202.6	1203.8	1204.9	1206.0	1206.2	1205.6	1204.9	1204.2	1203.6	1203.8
162.5°	1221.6	1222.8	1224.0	1225.1	1226.2	1226.1	1224.9	1223.7	1222.4	1221.2	1221.5
165°	1247.9	1248.8	1249.7	1250.6	1251.4	1251.2	1249.9	1248.6	1247.2	1245.9	1246.3
167.5°	1266.7	1268.0	1269.4	1270.8	1272.2	1272.2	1270.9	1269.5	1268.2	1266.9	1266.8
170°	1277.1	1278.7	1280.2	1281.8	1283.3	1283.5	1282.1	1280.8	1279.5	1278.1	1277.9
172.5°	1286.0	1287.6	1289.1	1290.7	1292.2	1292.3	1290.7	1289.2	1287.7	1286.2	1286.2
175°	1295.3	1296.9	1298.4	1300.0	1301.5	1301.5	1300.0	1298.4	1296.9	1295.3	1295.5
177.5°	1300.1	1301.5	1302.9	1304.4	1305.9	1306.0	1304.6	1303.4	1302.1	1300.9	1300.9
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1373.4	1367.5	1364.4	1357.6	1349.4	1345.0	1341.2	1335.6	1328.3	1320.6	1314.9
5°	1443.1	1430.3	1414.1	1394.8	1377.7	1361.0	1346.5	1332.0	1315.3	1298.1	1280.9
7.5°	1514.7	1489.3	1462.0	1430.3	1399.5	1371.4	1345.6	1320.9	1292.9	1268.0	1245.2
10°	1564.5	1530.1	1492.0	1451.8	1411.5	1376.5	1342.2	1311.0	1276.7	1246.1	1220.2
12.5°	1604.9	1564.5	1518.6	1468.4	1420.1	1377.9	1338.3	1297.7	1258.6	1225.4	1191.0
15°	1671.9	1616.6	1554.9	1494.7	1431.9	1374.4	1321.2	1273.9	1229.4	1182.7	1149.9
17.5°	1718.0	1652.3	1577.3	1505.0	1430.8	1363.0	1301.7	1245.4	1194.0	1146.2	1107.2
20°	1745.6	1673.0	1589.7	1507.6	1424.3	1351.8	1285.8	1223.5	1170.3	1118.7	1078.4
22.5°	1761.0	1680.7	1589.7	1503.7	1417.4	1339.0	1266.5	1201.5	1143.7	1092.1	1047.5
25°	1766.0	1680.0	1587.1	1488.2	1393.7	1310.5	1235.3	1165.0	1100.4	1048.9	1001.7
27.5°	1759.1	1657.9	1562.7	1461.3	1363.7	1276.0	1197.1	1123.2	1058.6	1003.3	954.8
30°	1748.8	1640.2	1538.2	1432.9	1334.1	1249.8	1166.5	1095.6	1028.5	971.1	922.2
32.5°	1726.4	1618.8	1508.9	1401.2	1301.0	1214.2	1135.2	1063.9	998.0	939.3	887.4
35°	1682.1	1573.2	1453.9	1343.2	1245.0	1154.7	1080.7	1011.9	949.1	886.2	831.4
37.5°	1623.9	1512.5	1393.8	1272.6	1174.3	1089.1	1021.1	956.5	895.2	837.9	777.2
40°	1568.8	1467.3	1344.8	1224.6	1123.6	1041.4	978.6	920.0	858.3	801.3	740.6
42.5°	1502.2	1415.7	1292.0	1171.2	1071.6	992.4	933.9	876.7	820.4	765.3	702.0
45°	1391.1	1325.5	1209.5	1093.5	993.1	914.6	860.9	810.4	761.0	708.4	648.8
47.5°	1263.6	1219.3	1119.1	1000.4	907.5	836.9	785.0	743.8	702.0	649.3	597.0
50°	1175.2	1146.7	1050.0	941.5	852.9	787.9	734.8	696.1	661.2	610.7	563.9
52.5°	1080.7	1065.5	983.8	880.1	794.5	730.7	685.3	650.6	615.2	573.3	529.6
55°	936.6	944.7	875.5	785.8	705.2	651.5	610.2	581.1	551.1	515.6	481.8
57.5°	789.5	818.9	772.4	693.7	618.1	568.6	537.5	513.0	487.8	458.4	429.5
60°	701.5	726.1	699.8	630.6	564.5	518.3	489.3	470.5	445.2	418.4	396.4
62.5°	615.5	642.0	626.3	570.4	509.1	469.3	443.7	426.3	407.5	384.1	361.1
65°	507.6	524.7	517.3	478.6	435.0	401.2	377.6	364.7	347.5	330.3	309.9
67.5°	388.7	421.9	417.6	397.0	359.4	333.0	317.5	306.1	290.4	277.7	263.8
70°	319.5	350.2	349.6	333.0	312.6	287.9	277.1	267.5	253.5	241.2	229.8
72.5°	261.6	289.6	293.8	281.0	267.0	248.3	238.0	231.4	217.8	209.3	200.3
75°	183.2	203.6	208.9	208.9	202.5	192.8	183.7	179.4	169.8	162.2	156.8
77.5°	120.1	133.0	141.4	143.3	144.3	141.1	133.5	130.5	123.1	120.4	115.2
80°	84.8	93.4	103.1	106.3	109.1	108.0	104.7	102.6	95.6	92.9	90.8
82.5°	58.7	63.4	71.3	78.4	77.7	80.5	77.7	75.9	70.7	69.7	67.6
85°	30.6	31.1	32.2	37.1	39.8	40.8	41.4	40.3	38.7	38.7	34.9
87.5°	14.0	13.2	13.7	13.3	13.2	14.4	15.2	15.2	14.4	13.6	12.8
90°	18.6	16.8	15.0	12.9	10.4	8.0	5.5	3.0	5.5	8.0	10.4
92.5°	37.4	36.2	34.9	32.8	30.0	27.2	24.4	21.6	24.4	27.2	30.0
95°	73.5	71.9	70.3	68.6	66.6	64.5	62.5	60.5	62.5	64.5	66.6
97.5°	117.4	115.6	113.8	112.1	110.5	108.9	107.2	105.6	107.2	108.9	110.5
100°	150.2	148.1	146.1	144.7	143.8	142.9	142.0	141.1	142.0	142.9	143.8
102.5°	184.4	182.6	180.8	179.7	179.3	178.9	178.5	178.2	178.5	178.9	179.3
105°	238.1	237.2	236.3	235.8	235.5	235.3	235.1	234.9	235.1	235.3	235.5
107.5°	295.9	295.8	295.6	295.4	295.2	294.9	294.6	294.4	294.6	294.9	295.2
110°	336.1	336.3	336.6	336.5	336.0	335.6	335.1	334.7	335.1	335.6	336.0



TEST NUMBER: P332944-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	376.0	376.4	376.8	377.0	376.9	376.8	376.7	376.6	376.7	376.8	376.9
115°	438.4	438.8	439.3	439.5	439.5	439.5	439.5	439.5	439.5	439.5	439.5
117.5°	498.8	499.1	499.4	499.5	499.3	499.1	499.0	498.8	499.0	499.1	499.3
120°	540.6	541.3	542.0	541.9	541.0	540.1	539.2	538.3	539.2	540.1	541.0
122.5°	580.2	580.6	580.9	580.8	580.5	580.1	579.8	579.4	579.8	580.1	580.5
125°	639.5	639.7	640.0	640.1	640.1	640.1	640.1	640.1	640.1	640.1	640.1
127.5°	697.2	697.6	697.9	697.8	697.1	696.4	695.8	695.1	695.8	696.4	697.1
130°	736.8	736.8	736.8	736.5	735.8	735.2	734.5	733.8	734.5	735.2	735.8
132.5°	775.1	775.3	775.5	775.3	774.8	774.3	773.9	773.4	773.9	774.3	774.8
135°	831.6	831.6	831.6	830.9	829.6	828.2	826.9	825.6	826.9	828.2	829.6
137.5°	886.2	885.8	885.3	884.9	884.2	883.6	883.0	882.4	883.0	883.6	884.2
140°	922.3	922.3	922.3	922.1	921.6	921.2	920.7	920.3	920.7	921.2	921.6
142.5°	956.5	956.7	956.8	956.7	956.3	955.8	955.4	954.9	955.4	955.8	956.3
145°	1007.5	1007.3	1007.0	1006.5	1005.6	1004.7	1003.8	1002.9	1003.8	1004.7	1005.6
147.5°	1054.9	1055.1	1055.3	1054.8	1053.8	1052.7	1051.6	1050.6	1051.6	1052.7	1053.8
150°	1083.6	1083.6	1083.6	1083.2	1082.3	1081.4	1080.5	1079.5	1080.5	1081.4	1082.3
152.5°	1109.8	1109.6	1109.4	1109.1	1108.6	1108.0	1107.5	1107.0	1107.5	1108.0	1108.6
155°	1148.5	1148.7	1149.0	1149.1	1149.1	1149.1	1149.1	1149.1	1149.1	1149.1	1149.1
157.5°	1182.7	1182.7	1182.8	1183.0	1183.4	1183.8	1184.2	1184.6	1184.2	1183.8	1183.4
160°	1204.0	1204.2	1204.5	1204.7	1204.9	1205.1	1205.3	1205.6	1205.3	1205.1	1204.9
162.5°	1221.7	1221.9	1222.1	1222.5	1223.1	1223.8	1224.4	1224.9	1224.4	1223.8	1223.1
165°	1246.8	1247.2	1247.7	1248.2	1248.9	1249.6	1250.2	1250.9	1250.2	1249.6	1248.9
167.5°	1266.8	1266.7	1266.7	1267.1	1268.1	1269.0	1269.9	1270.9	1269.9	1269.0	1268.1
170°	1277.7	1277.5	1277.2	1277.7	1278.8	1279.9	1281.0	1282.1	1281.0	1279.9	1278.8
172.5°	1286.1	1286.1	1286.0	1286.5	1287.4	1288.4	1289.3	1290.2	1289.3	1288.4	1287.4
175°	1295.7	1296.0	1296.2	1296.9	1298.0	1299.1	1300.2	1301.3	1300.2	1299.1	1298.0
177.5°	1300.9	1300.9	1300.9	1301.3	1302.2	1303.1	1304.0	1304.9	1304.0	1303.1	1302.2
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



TEST NUMBER: P332944-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1309.0	1304.6	1299.1	1292.6	1285.0	1278.1	1275.1	1277.6	1278.9	1275.5	1275.1
5°	1269.1	1255.7	1245.0	1228.8	1216.0	1205.2	1197.7	1194.5	1195.6	1187.0	1184.8
7.5°	1224.4	1208.4	1190.8	1171.7	1153.9	1138.1	1129.8	1125.3	1116.2	1112.3	1105.7
10°	1195.6	1174.1	1156.9	1134.3	1113.9	1095.1	1086.0	1078.4	1069.3	1065.0	1055.9
12.5°	1165.9	1140.9	1122.1	1098.6	1077.8	1055.1	1046.4	1032.5	1018.2	1009.2	997.4
15°	1124.1	1094.1	1071.0	1043.0	1018.3	992.5	969.5	943.6	934.0	913.6	901.8
17.5°	1075.2	1044.7	1016.1	978.7	940.6	908.6	883.9	859.2	844.4	831.4	825.4
20°	1043.0	1015.1	975.3	931.8	889.4	853.9	834.0	818.0	801.8	792.7	786.3
22.5°	1012.5	976.8	930.7	883.7	841.3	813.5	796.7	780.1	767.1	758.4	749.7
25°	961.4	914.6	865.8	812.0	783.0	758.9	740.6	727.2	719.1	707.9	703.6
27.5°	908.9	852.2	798.3	762.2	732.1	709.9	694.0	683.9	673.7	666.5	661.0
30°	868.5	811.0	762.7	728.3	697.7	679.4	666.5	654.7	646.6	640.8	636.4
32.5°	828.5	771.0	730.4	693.5	669.3	651.5	637.7	628.9	622.6	615.0	612.4
35°	770.7	719.7	684.3	651.0	626.2	610.2	599.4	590.3	584.9	582.7	581.1
37.5°	715.2	673.4	635.3	607.9	585.9	573.3	560.6	556.1	552.4	548.6	550.3
40°	679.9	640.8	606.9	577.9	560.2	546.2	538.7	533.3	530.1	530.1	530.1
42.5°	649.4	611.1	578.1	552.1	534.4	522.6	514.2	509.7	508.6	508.2	510.8
45°	602.1	566.6	533.3	511.8	496.8	484.9	480.2	476.4	476.4	478.6	479.1
47.5°	555.1	521.9	495.2	471.1	457.4	450.0	445.8	443.8	444.0	446.3	448.7
50°	526.3	493.6	467.3	445.8	432.9	425.9	422.1	421.1	422.1	422.1	425.9
52.5°	494.9	465.6	439.8	421.7	407.1	400.5	398.5	397.0	397.7	399.4	401.0
55°	449.0	422.7	398.0	380.8	370.0	365.8	360.9	361.4	360.4	361.4	361.4
57.5°	402.9	379.3	356.3	342.6	333.3	327.0	321.7	323.3	321.6	321.4	320.5
60°	373.2	347.5	329.2	316.9	306.1	300.7	295.9	297.0	295.4	294.3	292.2
62.5°	341.0	319.5	302.2	290.2	281.7	275.4	270.5	269.5	265.8	262.1	257.4
65°	294.3	276.6	261.1	249.7	241.7	236.8	233.1	229.8	221.8	213.2	208.9
67.5°	248.9	236.1	221.6	212.1	205.5	199.1	192.0	186.5	178.9	174.2	171.6
70°	219.6	207.3	195.0	185.8	178.8	173.0	164.9	161.2	155.7	153.6	150.9
72.5°	191.8	180.3	168.7	160.5	153.1	148.5	142.1	138.4	136.0	135.1	132.5
75°	149.4	140.2	131.6	124.1	118.2	114.9	112.3	109.6	108.5	103.6	101.0
77.5°	109.0	102.9	97.6	92.2	88.0	85.8	80.7	77.6	75.7	73.5	72.9
80°	84.8	80.6	75.2	72.0	66.0	63.9	61.8	61.2	60.7	60.2	59.6
82.5°	63.8	59.5	54.1	52.2	50.6	49.3	48.0	47.5	47.0	47.3	47.2
85°	32.2	30.1	30.1	29.6	29.0	28.5	28.0	28.0	27.4	28.0	27.4
87.5°	13.3	13.3	13.6	13.1	13.9	14.3	14.1	14.4	15.1	14.5	14.7
90°	12.9	15.0	16.8	18.6	20.4	22.2	23.5	24.8	26.3	27.6	28.5
92.5°	32.8	34.9	36.2	37.4	38.7	39.9	40.7	41.5	42.3	43.1	43.7
95°	68.6	70.3	71.9	73.5	75.0	76.6	77.3	78.0	78.7	79.3	79.7
97.5°	112.1	113.8	115.6	117.4	119.4	121.2	122.0	122.8	123.6	124.4	124.8
100°	144.7	146.1	148.1	150.2	152.2	154.2	154.7	155.1	155.5	156.0	156.2
102.5°	179.7	180.8	182.6	184.4	186.2	188.1	188.7	189.3	190.0	190.6	191.0
105°	235.8	236.3	237.2	238.1	239.0	239.9	240.5	241.3	242.0	242.6	243.3
107.5°	295.4	295.6	295.8	295.9	296.0	296.2	296.8	297.4	298.0	298.6	298.9
110°	336.5	336.6	336.3	336.1	335.9	335.7	335.2	334.8	334.3	333.9	334.0



TEST NUMBER: P332944-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	377.0	376.8	376.4	376.0	375.6	375.2	375.1	375.0	374.9	374.9	374.9
115°	439.5	439.3	438.8	438.4	437.9	437.5	437.3	437.0	436.8	436.6	436.4
117.5°	499.5	499.4	499.1	498.8	498.5	498.2	497.4	496.7	495.8	495.1	494.5
120°	541.9	542.0	541.3	540.6	540.0	539.3	538.2	537.0	535.9	534.8	534.4
122.5°	580.8	580.9	580.6	580.2	579.9	579.6	578.9	578.0	577.3	576.5	575.7
125°	640.1	640.0	639.7	639.5	639.2	639.0	638.6	638.1	637.7	637.2	636.8
127.5°	697.8	697.9	697.6	697.2	696.9	696.5	696.1	695.6	695.2	694.7	694.3
130°	736.5	736.8	736.8	736.8	736.8	736.8	736.4	736.0	735.5	735.1	734.4
132.5°	775.3	775.5	775.3	775.1	774.9	774.8	774.3	773.9	773.4	773.0	772.5
135°	830.9	831.6	831.6	831.6	831.6	831.6	831.1	830.7	830.2	829.8	829.2
137.5°	884.9	885.3	885.8	886.2	886.5	886.9	886.3	885.7	885.0	884.5	884.2
140°	922.1	922.3	922.3	922.3	922.3	922.3	922.1	921.9	921.6	921.4	921.2
142.5°	956.7	956.8	956.7	956.5	956.3	956.1	956.1	956.0	956.0	956.0	955.9
145°	1006.5	1007.0	1007.3	1007.5	1007.7	1007.9	1007.7	1007.5	1007.3	1007.0	1006.6
147.5°	1054.8	1055.3	1055.1	1054.9	1054.7	1054.6	1054.4	1054.2	1054.0	1053.8	1053.6
150°	1083.2	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.5
152.5°	1109.1	1109.4	1109.6	1109.8	1110.0	1110.1	1110.8	1111.3	1111.8	1112.4	1112.4
155°	1149.1	1149.0	1148.7	1148.5	1148.3	1148.1	1149.0	1149.9	1150.7	1151.7	1151.7
157.5°	1183.0	1182.8	1182.7	1182.7	1182.7	1182.6	1183.3	1183.9	1184.6	1185.3	1185.2
160°	1204.7	1204.5	1204.2	1204.0	1203.8	1203.6	1204.2	1204.9	1205.6	1206.2	1206.0
162.5°	1222.5	1222.1	1221.9	1221.7	1221.5	1221.2	1222.4	1223.7	1224.9	1226.1	1226.2
165°	1248.2	1247.7	1247.2	1246.8	1246.3	1245.9	1247.2	1248.6	1249.9	1251.2	1251.4
167.5°	1267.1	1266.7	1266.7	1266.8	1266.8	1266.9	1268.2	1269.5	1270.9	1272.2	1272.2
170°	1277.7	1277.2	1277.5	1277.7	1277.9	1278.1	1279.5	1280.8	1282.1	1283.5	1283.3
172.5°	1286.5	1286.0	1286.1	1286.1	1286.2	1286.2	1287.7	1289.2	1290.7	1292.3	1292.2
175°	1296.9	1296.2	1296.0	1295.7	1295.5	1295.3	1296.9	1298.4	1300.0	1301.5	1301.5
177.5°	1301.3	1300.9	1300.9	1300.9	1300.9	1300.9	1302.1	1303.4	1304.6	1306.0	1305.9
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



TEST NUMBER: P332944-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1272.4	1273.3	1270.3	1269.4	1270.3	1273.3	1272.4	1275.1	1275.5	1278.9	1277.6
5°	1180.5	1179.4	1176.8	1177.3	1176.8	1179.4	1180.5	1184.8	1187.0	1195.6	1194.5
7.5°	1101.9	1097.7	1098.8	1094.6	1098.8	1097.7	1101.9	1105.7	1112.3	1116.2	1125.3
10°	1053.8	1047.8	1043.0	1038.7	1043.0	1047.8	1053.8	1055.9	1065.0	1069.3	1078.4
12.5°	988.1	983.0	976.4	977.8	976.4	983.0	988.1	997.4	1009.2	1018.2	1032.5
15°	894.7	886.8	873.8	875.5	873.8	886.8	894.7	901.8	913.6	934.0	943.6
17.5°	815.9	816.0	810.0	811.4	810.0	816.0	815.9	825.4	831.4	844.4	859.2
20°	775.0	771.2	771.7	770.2	771.7	771.2	775.0	786.3	792.7	801.8	818.0
22.5°	746.7	742.0	738.3	735.0	738.3	742.0	746.7	749.7	758.4	767.1	780.1
25°	698.7	695.5	690.6	689.6	690.6	695.5	698.7	703.6	707.9	719.1	727.2
27.5°	656.6	656.0	654.1	651.6	654.1	656.0	656.6	661.0	666.5	673.7	683.9
30°	632.2	631.1	630.0	628.3	630.0	631.1	632.2	636.4	640.8	646.6	654.7
32.5°	610.3	609.6	608.5	608.6	608.5	609.6	610.3	612.4	615.0	622.6	628.9
35°	579.0	578.5	577.3	576.8	577.3	578.5	579.0	581.1	582.7	584.9	590.3
37.5°	549.8	551.2	550.5	550.4	550.5	551.2	549.8	550.3	548.6	552.4	556.1
40°	529.6	530.1	531.2	530.7	531.2	530.1	529.6	530.1	530.1	530.1	533.3
42.5°	512.8	512.9	514.4	512.6	514.4	512.9	512.8	510.8	508.2	508.6	509.7
45°	482.8	486.0	485.5	485.5	485.5	486.0	482.8	479.1	478.6	476.4	476.4
47.5°	450.1	452.8	453.6	453.5	453.6	452.8	450.1	448.7	446.3	444.0	443.8
50°	428.6	427.5	429.1	428.6	429.1	427.5	428.6	425.9	422.1	422.1	421.1
52.5°	402.4	402.6	402.5	401.9	402.5	402.6	402.4	401.0	399.4	397.7	397.0
55°	362.0	362.5	361.4	362.0	361.4	362.5	362.0	361.4	361.4	360.4	361.4
57.5°	318.2	315.6	316.7	315.4	316.7	315.6	318.2	320.5	321.4	321.6	323.3
60°	286.8	282.5	281.4	279.3	281.4	282.5	286.8	292.2	294.3	295.4	297.0
62.5°	251.6	248.5	244.9	246.6	244.9	248.5	251.6	257.4	262.1	265.8	269.5
65°	204.6	202.5	200.9	203.0	200.9	202.5	204.6	208.9	213.2	221.8	229.8
67.5°	169.4	168.2	168.2	167.1	168.2	168.2	169.4	171.6	174.2	178.9	186.5
70°	150.9	149.4	149.4	148.2	149.4	149.4	150.9	150.9	153.6	155.7	161.2
72.5°	132.0	130.4	130.9	130.2	130.9	130.4	132.0	132.5	135.1	136.0	138.4
75°	97.8	95.0	95.0	95.6	95.0	95.0	97.8	101.0	103.6	108.5	109.6
77.5°	72.9	72.4	73.1	72.2	73.1	72.4	72.9	72.9	73.5	75.7	77.6
80°	59.6	59.1	58.6	60.2	58.6	59.1	59.6	59.6	60.2	60.7	61.2
82.5°	46.3	46.2	46.0	48.2	46.0	46.2	46.3	47.2	47.3	47.0	47.5
85°	28.0	26.9	28.0	26.9	28.0	26.9	28.0	27.4	28.0	27.4	28.0
87.5°	15.7	15.3	14.9	15.5	14.9	15.3	15.7	14.7	14.5	15.1	14.4
90°	28.9	29.4	29.8	30.2	29.8	29.4	28.9	28.5	27.6	26.3	24.8
92.5°	43.9	44.2	44.5	44.7	44.5	44.2	43.9	43.7	43.1	42.3	41.5
95°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.3	78.7	78.0
97.5°	124.8	124.8	124.8	124.8	124.8	124.8	124.8	124.8	124.4	123.6	122.8
100°	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.0	155.5	155.1
102.5°	191.2	191.4	191.6	191.7	191.6	191.4	191.2	191.0	190.6	190.0	189.3
105°	243.9	244.6	245.3	245.9	245.3	244.6	243.9	243.3	242.6	242.0	241.3
107.5°	298.9	298.8	298.8	298.7	298.8	298.8	298.9	298.9	298.6	298.0	297.4
110°	334.7	335.3	336.0	336.7	336.0	335.3	334.7	334.0	333.9	334.3	334.8



TEST NUMBER: P332944-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	375.0	375.1	375.3	375.4	375.3	375.1	375.0	374.9	374.9	374.9	375.0
115°	436.2	435.9	435.7	435.5	435.7	435.9	436.2	436.4	436.6	436.8	437.0
117.5°	494.0	493.6	493.1	492.7	493.1	493.6	494.0	494.5	495.1	495.8	496.7
120°	534.9	535.3	535.8	536.2	535.8	535.3	534.9	534.4	534.8	535.9	537.0
122.5°	574.9	574.1	573.3	572.5	573.3	574.1	574.9	575.7	576.5	577.3	578.0
125°	636.4	635.9	635.5	635.0	635.5	635.9	636.4	636.8	637.2	637.7	638.1
127.5°	694.0	693.6	693.3	692.9	693.3	693.6	694.0	694.3	694.7	695.2	695.6
130°	733.5	732.6	731.6	730.7	731.6	732.6	733.5	734.4	735.1	735.5	736.0
132.5°	772.1	771.8	771.4	771.1	771.4	771.8	772.1	772.5	773.0	773.4	773.9
135°	828.6	827.9	827.2	826.6	827.2	827.9	828.6	829.2	829.8	830.2	830.7
137.5°	884.4	884.5	884.6	884.8	884.6	884.5	884.4	884.2	884.5	885.0	885.7
140°	921.0	920.7	920.5	920.3	920.5	920.7	921.0	921.2	921.4	921.6	921.9
142.5°	955.9	955.8	955.8	955.7	955.8	955.8	955.9	955.9	956.0	956.0	956.0
145°	1005.9	1005.3	1004.6	1003.9	1004.6	1005.3	1005.9	1006.6	1007.0	1007.3	1007.5
147.5°	1053.4	1053.2	1053.0	1052.8	1053.0	1053.2	1053.4	1053.6	1053.8	1054.0	1054.2
150°	1083.3	1083.0	1082.8	1082.6	1082.8	1083.0	1083.3	1083.5	1083.6	1083.6	1083.6
152.5°	1111.8	1111.2	1110.5	1109.9	1110.5	1111.2	1111.8	1112.4	1112.4	1111.8	1111.3
155°	1150.7	1149.9	1149.0	1148.1	1149.0	1149.9	1150.7	1151.7	1151.7	1150.7	1149.9
157.5°	1184.5	1183.7	1183.0	1182.1	1183.0	1183.7	1184.5	1185.2	1185.3	1184.6	1183.9
160°	1204.9	1203.8	1202.6	1201.5	1202.6	1203.8	1204.9	1206.0	1206.2	1205.6	1204.9
162.5°	1225.1	1224.0	1222.8	1221.6	1222.8	1224.0	1225.1	1226.2	1226.1	1224.9	1223.7
165°	1250.6	1249.7	1248.8	1247.9	1248.8	1249.7	1250.6	1251.4	1251.2	1249.9	1248.6
167.5°	1270.8	1269.4	1268.0	1266.7	1268.0	1269.4	1270.8	1272.2	1272.2	1270.9	1269.5
170°	1281.8	1280.2	1278.7	1277.1	1278.7	1280.2	1281.8	1283.3	1283.5	1282.1	1280.8
172.5°	1290.7	1289.1	1287.6	1286.0	1287.6	1289.1	1290.7	1292.2	1292.3	1290.7	1289.2
175°	1300.0	1298.4	1296.9	1295.3	1296.9	1298.4	1300.0	1301.5	1301.5	1300.0	1298.4
177.5°	1304.4	1302.9	1301.5	1300.1	1301.5	1302.9	1304.4	1305.9	1306.0	1304.6	1303.4
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



TEST NUMBER: P332944-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1275.1	1278.1	1285.0	1292.6	1299.1	1304.6	1309.0	1314.9	1320.6	1328.3	1335.6
5°	1197.7	1205.2	1216.0	1228.8	1245.0	1255.7	1269.1	1280.9	1298.1	1315.3	1332.0
7.5°	1129.8	1138.1	1153.9	1171.7	1190.8	1208.4	1224.4	1245.2	1268.0	1292.9	1320.9
10°	1086.0	1095.1	1113.9	1134.3	1156.9	1174.1	1195.6	1220.2	1246.1	1276.7	1311.0
12.5°	1046.4	1055.1	1077.8	1098.6	1122.1	1140.9	1165.9	1191.0	1225.4	1258.6	1297.7
15°	969.5	992.5	1018.3	1043.0	1071.0	1094.1	1124.1	1149.9	1182.7	1229.4	1273.9
17.5°	883.9	908.6	940.6	978.7	1016.1	1044.7	1075.2	1107.2	1146.2	1194.0	1245.4
20°	834.0	853.9	889.4	931.8	975.3	1015.1	1043.0	1078.4	1118.7	1170.3	1223.5
22.5°	796.7	813.5	841.3	883.7	930.7	976.8	1012.5	1047.5	1092.1	1143.7	1201.5
25°	740.6	758.9	783.0	812.0	865.8	914.6	961.4	1001.7	1048.9	1100.4	1165.0
27.5°	694.0	709.9	732.1	762.2	798.3	852.2	908.9	954.8	1003.3	1058.6	1123.2
30°	666.5	679.4	697.7	728.3	762.7	811.0	868.5	922.2	971.1	1028.5	1095.6
32.5°	637.7	651.5	669.3	693.5	730.4	771.0	828.5	887.4	939.3	998.0	1063.9
35°	599.4	610.2	626.2	651.0	684.3	719.7	770.7	831.4	886.2	949.1	1011.9
37.5°	560.6	573.3	585.9	607.9	635.3	673.4	715.2	777.2	837.9	895.2	956.5
40°	538.7	546.2	560.2	577.9	606.9	640.8	679.9	740.6	801.3	858.3	920.0
42.5°	514.2	522.6	534.4	552.1	578.1	611.1	649.4	702.0	765.3	820.4	876.7
45°	480.2	484.9	496.8	511.8	533.3	566.6	602.1	648.8	708.4	761.0	810.4
47.5°	445.8	450.0	457.4	471.1	495.2	521.9	555.1	597.0	649.3	702.0	743.8
50°	422.1	425.9	432.9	445.8	467.3	493.6	526.3	563.9	610.7	661.2	696.1
52.5°	398.5	400.5	407.1	421.7	439.8	465.6	494.9	529.6	573.3	615.2	650.6
55°	360.9	365.8	370.0	380.8	398.0	422.7	449.0	481.8	515.6	551.1	581.1
57.5°	321.7	327.0	333.3	342.6	356.3	379.3	402.9	429.5	458.4	487.8	513.0
60°	295.9	300.7	306.1	316.9	329.2	347.5	373.2	396.4	418.4	445.2	470.5
62.5°	270.5	275.4	281.7	290.2	302.2	319.5	341.0	361.1	384.1	407.5	426.3
65°	233.1	236.8	241.7	249.7	261.1	276.6	294.3	309.9	330.3	347.5	364.7
67.5°	192.0	199.1	205.5	212.1	221.6	236.1	248.9	263.8	277.7	290.4	306.1
70°	164.9	173.0	178.8	185.8	195.0	207.3	219.6	229.8	241.2	253.5	267.5
72.5°	142.1	148.5	153.1	160.5	168.7	180.3	191.8	200.3	209.3	217.8	231.4
75°	112.3	114.9	118.2	124.1	131.6	140.2	149.4	156.8	162.2	169.8	179.4
77.5°	80.7	85.8	88.0	92.2	97.6	102.9	109.0	115.2	120.4	123.1	130.5
80°	61.8	63.9	66.0	72.0	75.2	80.6	84.8	90.8	92.9	95.6	102.6
82.5°	48.0	49.3	50.6	52.2	54.1	59.5	63.8	67.6	69.7	70.7	75.9
85°	28.0	28.5	29.0	29.6	30.1	30.1	32.2	34.9	38.7	38.7	40.3
87.5°	14.1	14.3	13.9	13.1	13.6	13.3	13.3	12.8	13.6	14.4	15.2
90°	23.5	22.2	20.4	18.6	16.8	15.0	12.9	10.4	8.0	5.5	3.0
92.5°	40.7	39.9	38.7	37.4	36.2	34.9	32.8	30.0	27.2	24.4	21.6
95°	77.3	76.6	75.0	73.5	71.9	70.3	68.6	66.6	64.5	62.5	60.5
97.5°	122.0	121.2	119.4	117.4	115.6	113.8	112.1	110.5	108.9	107.2	105.6
100°	154.7	154.2	152.2	150.2	148.1	146.1	144.7	143.8	142.9	142.0	141.1
102.5°	188.7	188.1	186.2	184.4	182.6	180.8	179.7	179.3	178.9	178.5	178.2
105°	240.5	239.9	239.0	238.1	237.2	236.3	235.8	235.5	235.3	235.1	234.9
107.5°	296.8	296.2	296.0	295.9	295.8	295.6	295.4	295.2	294.9	294.6	294.4
110°	335.2	335.7	335.9	336.1	336.3	336.6	336.5	336.0	335.6	335.1	334.7



TEST NUMBER: P332944-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.1	375.2	375.6	376.0	376.4	376.8	377.0	376.9	376.8	376.7	376.6
115°	437.3	437.5	437.9	438.4	438.8	439.3	439.5	439.5	439.5	439.5	439.5
117.5°	497.4	498.2	498.5	498.8	499.1	499.4	499.5	499.3	499.1	499.0	498.8
120°	538.2	539.3	540.0	540.6	541.3	542.0	541.9	541.0	540.1	539.2	538.3
122.5°	578.9	579.6	579.9	580.2	580.6	580.9	580.8	580.5	580.1	579.8	579.4
125°	638.6	639.0	639.2	639.5	639.7	640.0	640.1	640.1	640.1	640.1	640.1
127.5°	696.1	696.5	696.9	697.2	697.6	697.9	697.8	697.1	696.4	695.8	695.1
130°	736.4	736.8	736.8	736.8	736.8	736.8	736.5	735.8	735.2	734.5	733.8
132.5°	774.3	774.8	774.9	775.1	775.3	775.5	775.3	774.8	774.3	773.9	773.4
135°	831.1	831.6	831.6	831.6	831.6	831.6	830.9	829.6	828.2	826.9	825.6
137.5°	886.3	886.9	886.5	886.2	885.8	885.3	884.9	884.2	883.6	883.0	882.4
140°	922.1	922.3	922.3	922.3	922.3	922.3	922.1	921.6	921.2	920.7	920.3
142.5°	956.1	956.1	956.3	956.5	956.7	956.8	956.7	956.3	955.8	955.4	954.9
145°	1007.7	1007.9	1007.7	1007.5	1007.3	1007.0	1006.5	1005.6	1004.7	1003.8	1002.9
147.5°	1054.4	1054.6	1054.7	1054.9	1055.1	1055.3	1054.8	1053.8	1052.7	1051.6	1050.6
150°	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.2	1082.3	1081.4	1080.5	1079.5
152.5°	1110.8	1110.1	1110.0	1109.8	1109.6	1109.4	1109.1	1108.6	1108.0	1107.5	1107.0
155°	1149.0	1148.1	1148.3	1148.5	1148.7	1149.0	1149.1	1149.1	1149.1	1149.1	1149.1
157.5°	1183.3	1182.6	1182.7	1182.7	1182.7	1182.8	1183.0	1183.4	1183.8	1184.2	1184.6
160°	1204.2	1203.6	1203.8	1204.0	1204.2	1204.5	1204.7	1204.9	1205.1	1205.3	1205.6
162.5°	1222.4	1221.2	1221.5	1221.7	1221.9	1222.1	1222.5	1223.1	1223.8	1224.4	1224.9
165°	1247.2	1245.9	1246.3	1246.8	1247.2	1247.7	1248.2	1248.9	1249.6	1250.2	1250.9
167.5°	1268.2	1266.9	1266.8	1266.8	1266.7	1266.7	1267.1	1268.1	1269.0	1269.9	1270.9
170°	1279.5	1278.1	1277.9	1277.7	1277.5	1277.2	1277.7	1278.8	1279.9	1281.0	1282.1
172.5°	1287.7	1286.2	1286.2	1286.1	1286.1	1286.0	1286.5	1287.4	1288.4	1289.3	1290.2
175°	1296.9	1295.3	1295.5	1295.7	1296.0	1296.2	1296.9	1298.0	1299.1	1300.2	1301.3
177.5°	1302.1	1300.9	1300.9	1300.9	1300.9	1300.9	1301.3	1302.2	1303.1	1304.0	1304.9
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



TEST NUMBER: P332944-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1341.2	1345.0	1349.4	1357.6	1364.4	1367.5	1373.4	1377.8	1376.4	1382.4	1392.8
5°	1346.5	1361.0	1377.7	1394.8	1414.1	1430.3	1443.1	1456.0	1466.2	1478.5	1496.8
7.5°	1345.6	1371.4	1399.5	1430.3	1462.0	1489.3	1514.7	1540.4	1563.4	1588.4	1621.1
10°	1342.2	1376.5	1411.5	1451.8	1492.0	1530.1	1564.5	1596.8	1627.4	1660.1	1701.5
12.5°	1338.3	1377.9	1420.1	1468.4	1518.6	1564.5	1604.9	1651.3	1689.7	1731.9	1779.7
15°	1321.2	1374.4	1431.9	1494.7	1554.9	1616.6	1671.9	1728.9	1782.0	1832.5	1892.7
17.5°	1301.7	1363.0	1430.8	1505.0	1577.3	1652.3	1718.0	1789.8	1844.1	1911.9	1967.7
20°	1285.8	1351.8	1424.3	1507.6	1589.7	1673.0	1745.6	1818.6	1879.8	1948.0	2018.9
22.5°	1266.5	1339.0	1417.4	1503.7	1589.7	1680.7	1761.0	1833.6	1909.5	1986.2	2059.3
25°	1235.3	1310.5	1393.7	1488.2	1587.1	1680.0	1766.0	1856.1	1937.8	2021.0	2086.6
27.5°	1197.1	1276.0	1363.7	1461.3	1562.7	1657.9	1759.1	1855.2	1937.3	2017.5	2074.7
30°	1166.5	1249.8	1334.1	1432.9	1538.2	1640.2	1748.8	1844.9	1931.4	2003.4	2035.6
32.5°	1135.2	1214.2	1301.0	1401.2	1508.9	1618.8	1726.4	1824.7	1904.7	1947.9	1948.7
35°	1080.7	1154.7	1245.0	1343.2	1453.9	1573.2	1682.1	1778.8	1827.7	1831.5	1778.8
37.5°	1021.1	1089.1	1174.3	1272.6	1393.8	1512.5	1623.9	1688.3	1704.6	1649.9	1552.6
40°	978.6	1041.4	1123.6	1224.6	1344.8	1467.3	1568.8	1616.1	1598.9	1510.3	1401.8
42.5°	933.9	992.4	1071.6	1171.2	1292.0	1415.7	1502.2	1527.6	1482.1	1379.7	1252.7
45°	860.9	914.6	993.1	1093.5	1209.5	1325.5	1391.1	1378.2	1302.4	1181.0	1038.7
47.5°	785.0	836.9	907.5	1000.4	1119.1	1219.3	1263.6	1224.8	1117.0	983.5	867.7
50°	734.8	787.9	852.9	941.5	1050.0	1146.7	1175.2	1116.1	996.3	867.9	761.5
52.5°	685.3	730.7	794.5	880.1	983.8	1065.5	1080.7	1012.5	888.9	773.9	679.5
55°	610.2	651.5	705.2	785.8	875.5	944.7	936.6	849.1	736.9	638.6	564.5
57.5°	537.5	568.6	618.1	693.7	772.4	818.9	789.5	714.9	610.3	529.8	467.3
60°	489.3	518.3	564.5	630.6	699.8	726.1	701.5	620.4	537.7	464.0	411.4
62.5°	443.7	469.3	509.1	570.4	626.3	642.0	615.5	544.7	470.2	407.3	363.8
65°	377.6	401.2	435.0	478.6	517.3	524.7	507.6	435.0	378.6	326.0	295.9
67.5°	317.5	333.0	359.4	397.0	417.6	421.9	388.7	343.2	293.5	261.2	238.4
70°	277.1	287.9	312.6	333.0	349.6	350.2	319.5	283.1	244.9	218.6	202.0
72.5°	238.0	248.3	267.0	281.0	293.8	289.6	261.6	232.8	202.0	182.1	169.8
75°	183.7	192.8	202.5	208.9	208.9	203.6	183.2	161.7	143.9	132.1	128.4
77.5°	133.5	141.1	144.3	143.3	141.4	133.0	120.1	106.0	99.7	94.1	91.3
80°	104.7	108.0	109.1	106.3	103.1	93.4	84.8	79.0	73.0	70.9	69.8
82.5°	77.7	80.5	77.7	78.4	71.3	63.4	58.7	56.7	54.1	53.3	52.2
85°	41.4	40.8	39.8	37.1	32.2	31.1	30.6	30.1	29.0	29.6	28.5
87.5°	15.2	14.4	13.2	13.3	13.7	13.2	14.0	14.3	14.7	14.5	15.8
90°	5.5	8.0	10.4	12.9	15.0	16.8	18.6	20.4	22.2	23.5	24.8
92.5°	24.4	27.2	30.0	32.8	34.9	36.2	37.4	38.7	39.9	40.7	41.5
95°	62.5	64.5	66.6	68.6	70.3	71.9	73.5	75.0	76.6	77.3	78.0
97.5°	107.2	108.9	110.5	112.1	113.8	115.6	117.4	119.4	121.2	122.0	122.8
100°	142.0	142.9	143.8	144.7	146.1	148.1	150.2	152.2	154.2	154.7	155.1
102.5°	178.5	178.9	179.3	179.7	180.8	182.6	184.4	186.2	188.1	188.7	189.3
105°	235.1	235.3	235.5	235.8	236.3	237.2	238.1	239.0	239.9	240.5	241.3
107.5°	294.6	294.9	295.2	295.4	295.6	295.8	295.9	296.0	296.2	296.8	297.4
110°	335.1	335.6	336.0	336.5	336.6	336.3	336.1	335.9	335.7	335.2	334.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	376.7	376.8	376.9	377.0	376.8	376.4	376.0	375.6	375.2	375.1	375.0
115°	439.5	439.5	439.5	439.5	439.3	438.8	438.4	437.9	437.5	437.3	437.0
117.5°	499.0	499.1	499.3	499.5	499.4	499.1	498.8	498.5	498.2	497.4	496.7
120°	539.2	540.1	541.0	541.9	542.0	541.3	540.6	540.0	539.3	538.2	537.0
122.5°	579.8	580.1	580.5	580.8	580.9	580.6	580.2	579.9	579.6	578.9	578.0
125°	640.1	640.1	640.1	640.1	640.0	639.7	639.5	639.2	639.0	638.6	638.1
127.5°	695.8	696.4	697.1	697.8	697.9	697.6	697.2	696.9	696.5	696.1	695.6
130°	734.5	735.2	735.8	736.5	736.8	736.8	736.8	736.8	736.8	736.4	736.0
132.5°	773.9	774.3	774.8	775.3	775.5	775.3	775.1	774.9	774.8	774.3	773.9
135°	826.9	828.2	829.6	830.9	831.6	831.6	831.6	831.6	831.6	831.1	830.7
137.5°	883.0	883.6	884.2	884.9	885.3	885.8	886.2	886.5	886.9	886.3	885.7
140°	920.7	921.2	921.6	922.1	922.3	922.3	922.3	922.3	922.3	922.1	921.9
142.5°	955.4	955.8	956.3	956.7	956.8	956.7	956.5	956.3	956.1	956.1	956.0
145°	1003.8	1004.7	1005.6	1006.5	1007.0	1007.3	1007.5	1007.7	1007.9	1007.7	1007.5
147.5°	1051.6	1052.7	1053.8	1054.8	1055.3	1055.1	1054.9	1054.7	1054.6	1054.4	1054.2
150°	1080.5	1081.4	1082.3	1083.2	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6
152.5°	1107.5	1108.0	1108.6	1109.1	1109.4	1109.6	1109.8	1110.0	1110.1	1110.8	1111.3
155°	1149.1	1149.1	1149.1	1149.1	1149.0	1148.7	1148.5	1148.3	1148.1	1149.0	1149.9
157.5°	1184.2	1183.8	1183.4	1183.0	1182.8	1182.7	1182.7	1182.7	1182.6	1183.3	1183.9
160°	1205.3	1205.1	1204.9	1204.7	1204.5	1204.2	1204.0	1203.8	1203.6	1204.2	1204.9
162.5°	1224.4	1223.8	1223.1	1222.5	1222.1	1221.9	1221.7	1221.5	1221.2	1222.4	1223.7
165°	1250.2	1249.6	1248.9	1248.2	1247.7	1247.2	1246.8	1246.3	1245.9	1247.2	1248.6
167.5°	1269.9	1269.0	1268.1	1267.1	1266.7	1266.7	1266.8	1266.8	1266.9	1268.2	1269.5
170°	1281.0	1279.9	1278.8	1277.7	1277.2	1277.5	1277.7	1277.9	1278.1	1279.5	1280.8
172.5°	1289.3	1288.4	1287.4	1286.5	1286.0	1286.1	1286.1	1286.2	1286.2	1287.7	1289.2
175°	1300.2	1299.1	1298.0	1296.9	1296.2	1296.0	1295.7	1295.5	1295.3	1296.9	1298.4
177.5°	1304.0	1303.1	1302.2	1301.3	1300.9	1300.9	1300.9	1300.9	1300.9	1302.1	1303.4
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1398.4	1400.1	1401.4	1405.6	1406.0	1410.0	1406.0
5°	1514.0	1521.6	1533.4	1545.2	1546.3	1553.8	1540.3
7.5°	1643.8	1661.2	1672.0	1691.1	1698.7	1703.4	1695.7
10°	1733.1	1749.3	1777.8	1791.7	1805.6	1807.9	1801.4
12.5°	1819.6	1845.1	1867.5	1894.0	1893.3	1912.3	1905.3
15°	1934.6	1960.9	1992.1	2021.5	2032.4	2032.4	2040.9
17.5°	2016.6	2064.9	2097.1	2120.3	2145.7	2150.0	2147.1
20°	2072.0	2124.2	2158.6	2188.6	2205.8	2210.6	2210.6
22.5°	2113.3	2157.7	2191.2	2218.3	2232.4	2238.2	2236.4
25°	2141.9	2180.0	2200.4	2208.5	2212.2	2211.2	2201.0
27.5°	2102.7	2101.0	2088.2	2063.5	2044.9	2033.6	2020.7
30°	2028.0	2000.1	1967.9	1932.4	1886.7	1851.9	1841.1
32.5°	1916.7	1854.0	1799.5	1740.4	1691.3	1656.4	1641.7
35°	1701.5	1602.2	1521.1	1450.2	1398.6	1366.3	1355.6
37.5°	1446.0	1349.9	1249.5	1180.7	1138.0	1105.4	1093.3
40°	1283.6	1178.9	1091.4	1026.9	982.9	951.2	950.7
42.5°	1135.4	1035.4	953.0	906.6	859.1	838.2	838.1
45°	929.7	849.7	779.8	743.4	714.9	697.7	692.9
47.5°	769.7	703.6	657.0	627.9	604.7	593.8	586.7
50°	679.9	622.0	584.9	559.7	546.7	532.8	531.7
52.5°	605.2	558.4	529.5	509.0	492.6	484.2	484.4
55°	508.6	471.6	451.1	435.6	422.7	416.3	413.5
57.5°	428.5	400.7	385.9	371.5	366.1	361.0	359.6
60°	378.6	359.8	345.9	334.6	326.6	325.0	324.4
62.5°	337.4	317.7	308.1	299.3	293.5	290.9	290.0
65°	278.2	263.7	255.1	248.1	246.0	242.3	241.7
67.5°	224.3	215.6	209.8	205.1	202.2	202.0	202.0
70°	191.2	186.3	181.6	178.8	177.2	176.1	176.1
72.5°	162.9	159.3	155.3	153.9	153.6	152.5	152.1
75°	124.1	120.3	120.9	118.2	116.0	113.3	111.7
77.5°	88.0	85.3	84.7	84.4	82.6	82.3	83.1
80°	68.2	65.5	65.0	65.5	65.0	63.4	63.4
82.5°	51.9	49.6	49.1	48.8	48.3	48.8	47.9
85°	28.0	26.9	26.9	26.9	28.0	27.4	26.9
87.5°	15.1	14.9	15.6	15.2	15.3	14.9	15.5
90°	26.3	27.6	28.5	28.9	29.4	29.8	30.2
92.5°	42.3	43.1	43.7	43.9	44.2	44.5	44.7
95°	78.7	79.3	79.7	79.7	79.7	79.7	79.7
97.5°	123.6	124.4	124.8	124.8	124.8	124.8	124.8
100°	155.5	156.0	156.2	156.2	156.2	156.2	156.2
102.5°	190.0	190.6	191.0	191.2	191.4	191.6	191.7
105°	242.0	242.6	243.3	243.9	244.6	245.3	245.9
107.5°	298.0	298.6	298.9	298.9	298.8	298.8	298.7
110°	334.3	333.9	334.0	334.7	335.3	336.0	336.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	374.9	374.9	374.9	375.0	375.1	375.3	375.4
115°	436.8	436.6	436.4	436.2	435.9	435.7	435.5
117.5°	495.8	495.1	494.5	494.0	493.6	493.1	492.7
120°	535.9	534.8	534.4	534.9	535.3	535.8	536.2
122.5°	577.3	576.5	575.7	574.9	574.1	573.3	572.5
125°	637.7	637.2	636.8	636.4	635.9	635.5	635.0
127.5°	695.2	694.7	694.3	694.0	693.6	693.3	692.9
130°	735.5	735.1	734.4	733.5	732.6	731.6	730.7
132.5°	773.4	773.0	772.5	772.1	771.8	771.4	771.1
135°	830.2	829.8	829.2	828.6	827.9	827.2	826.6
137.5°	885.0	884.5	884.2	884.4	884.5	884.6	884.8
140°	921.6	921.4	921.2	921.0	920.7	920.5	920.3
142.5°	956.0	956.0	955.9	955.9	955.8	955.8	955.7
145°	1007.3	1007.0	1006.6	1005.9	1005.3	1004.6	1003.9
147.5°	1054.0	1053.8	1053.6	1053.4	1053.2	1053.0	1052.8
150°	1083.6	1083.6	1083.5	1083.3	1083.0	1082.8	1082.6
152.5°	1111.8	1112.4	1112.4	1111.8	1111.2	1110.5	1109.9
155°	1150.7	1151.7	1151.7	1150.7	1149.9	1149.0	1148.1
157.5°	1184.6	1185.3	1185.2	1184.5	1183.7	1183.0	1182.1
160°	1205.6	1206.2	1206.0	1204.9	1203.8	1202.6	1201.5
162.5°	1224.9	1226.1	1226.2	1225.1	1224.0	1222.8	1221.6
165°	1249.9	1251.2	1251.4	1250.6	1249.7	1248.8	1247.9
167.5°	1270.9	1272.2	1272.2	1270.8	1269.4	1268.0	1266.7
170°	1282.1	1283.5	1283.3	1281.8	1280.2	1278.7	1277.1
172.5°	1290.7	1292.3	1292.2	1290.7	1289.1	1287.6	1286.0
175°	1300.0	1301.5	1301.5	1300.0	1298.4	1296.9	1295.3
177.5°	1304.6	1306.0	1305.9	1304.4	1302.9	1301.5	1300.1
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3

(END OF REPORT)