

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: P332950-840

Luminaire Tested: **S124RDIP-S795D1205U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332950-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S795D1205U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7583.1 lumens
Efficiency: N/A
Efficacy: 133.3 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

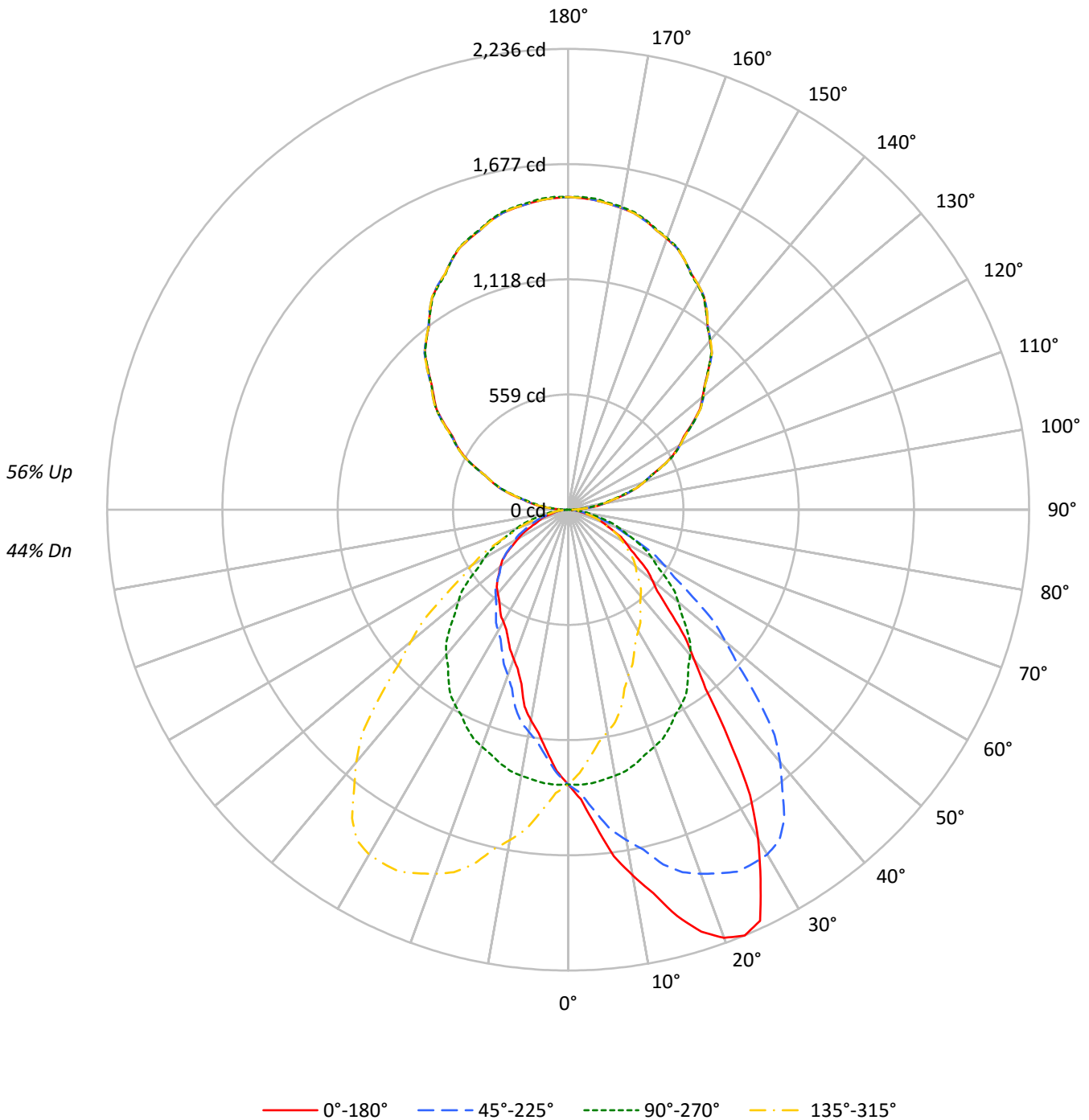
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	81	72	65	59	74	66	60	55	56	51	47	46	42	40	36	34	32	28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17
8	54	42	35	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

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	1.7
10°-20°	389.6	5.1
20°-30°	609.4	8.0
30°-40°	677.4	8.9
40°-50°	601.0	7.9
50°-60°	468.4	6.2
60°-70°	306.6	4.0
70°-80°	150.8	2.0
80°-90°	41.7	0.6
90°-100°	100.1	1.3
100°-110°	296.4	3.9
110°-120°	503.1	6.6
120°-130°	663.4	8.7
130°-140°	745.0	9.8
140°-150°	732.1	9.7
150°-160°	615.7	8.1
160°-170°	409.7	5.4
170°-180°	143.5	1.9
0°-30°	1128.1	14.9
0°-40°	1805.6	23.8
0°-60°	2875.0	37.9
0°-90°	3374.2	44.5
90°-120°	899.6	11.9
90°-150°	3040.1	40.1
90°-180°	4209.0	55.5
0°-180°	7583.1	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°	35	4	35	4	35	19
95°	93	70	93	70	93	97
105°	286	273	286	273	286	302
115°	507	512	507	512	507	501
125°	739	745	739	745	739	659
135°	962	961	962	961	962	743
145°	1169	1167	1169	1167	1169	731
155°	1336	1338	1336	1338	1336	615
165°	1452	1456	1452	1456	1452	409
175°	1508	1515	1508	1515	1508	143
180°	1517	1517	1517	1517	1517	



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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°	16.5	16.0	16.3	16.2	16.5	15.9	16.0	16.6	15.3	15.5	15.0
90°	35.2	34.6	34.1	33.6	33.1	32.1	30.5	29.0	27.4	25.9	23.7
92.5°	52.1	51.8	51.5	51.2	50.8	50.2	49.3	48.4	47.4	46.5	45.0
95°	92.7	92.7	92.7	92.7	92.7	92.3	91.5	90.7	90.0	89.2	87.4
97.5°	145.2	145.2	145.2	145.2	145.2	144.8	143.8	142.9	142.0	141.0	138.9
100°	181.9	181.9	181.9	181.9	181.9	181.6	181.1	180.6	180.1	179.6	177.1
102.5°	223.2	223.0	222.8	222.6	222.3	221.9	221.2	220.4	219.6	218.9	216.8
105°	286.3	285.5	284.7	284.0	283.2	282.4	281.6	280.8	280.0	279.2	278.2
107.5°	347.8	347.8	347.9	347.9	348.0	347.6	346.9	346.2	345.5	344.7	344.6
110°	391.8	391.1	390.3	389.5	388.7	388.6	389.1	389.6	390.2	390.7	390.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	437.0	436.8	436.6	436.5	436.3	436.3	436.4	436.5	436.6	436.7	437.2
115°	506.9	507.2	507.4	507.7	507.9	508.2	508.4	508.7	509.0	509.2	509.7
117.5°	573.5	574.0	574.5	575.0	575.6	576.2	577.1	578.0	579.0	579.9	580.2
120°	624.2	623.7	623.1	622.6	622.1	622.5	623.8	625.1	626.4	627.7	628.4
122.5°	666.4	667.3	668.3	669.2	670.1	671.1	672.0	672.9	673.8	674.6	675.0
125°	739.1	739.6	740.2	740.7	741.2	741.7	742.3	742.8	743.4	743.9	744.1
127.5°	806.5	806.9	807.3	807.8	808.2	808.6	809.2	809.7	810.2	810.7	811.1
130°	850.6	851.6	852.7	853.7	854.7	855.6	856.1	856.6	857.2	857.7	857.7
132.5°	897.6	898.0	898.4	898.8	899.2	899.7	900.2	900.7	901.2	901.8	902.0
135°	962.1	962.8	963.6	964.4	965.2	965.8	966.3	966.9	967.5	968.0	968.0
137.5°	1029.9	1029.8	1029.6	1029.5	1029.3	1029.6	1030.2	1030.9	1031.6	1032.2	1031.8
140°	1071.2	1071.5	1071.7	1072.0	1072.3	1072.5	1072.8	1073.0	1073.3	1073.5	1073.5
142.5°	1112.5	1112.6	1112.6	1112.7	1112.7	1112.8	1112.8	1112.9	1112.9	1113.0	1113.2
145°	1168.6	1169.3	1170.1	1170.9	1171.6	1172.3	1172.5	1172.8	1173.0	1173.3	1173.0
147.5°	1225.4	1225.6	1225.9	1226.2	1226.4	1226.6	1226.9	1227.1	1227.3	1227.5	1227.7
150°	1260.1	1260.3	1260.6	1260.8	1261.1	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2
152.5°	1292.0	1292.6	1293.3	1294.0	1294.7	1294.7	1294.1	1293.4	1292.8	1292.2	1292.0
155°	1336.4	1337.4	1338.5	1339.5	1340.5	1340.5	1339.5	1338.5	1337.4	1336.4	1336.6
157.5°	1376.0	1376.8	1377.8	1378.7	1379.6	1379.6	1378.8	1378.1	1377.3	1376.4	1376.5
160°	1398.6	1399.9	1401.1	1402.4	1403.7	1404.0	1403.2	1402.4	1401.7	1400.9	1401.1
162.5°	1422.0	1423.3	1424.6	1425.9	1427.2	1427.1	1425.7	1424.3	1422.9	1421.5	1421.8
165°	1452.5	1453.5	1454.6	1455.6	1456.6	1456.4	1454.8	1453.3	1451.7	1450.2	1450.7
167.5°	1474.3	1475.9	1477.5	1479.1	1480.8	1480.8	1479.3	1477.6	1476.1	1474.5	1474.5
170°	1486.5	1488.3	1490.2	1492.0	1493.8	1494.0	1492.4	1490.9	1489.2	1487.7	1487.4
172.5°	1496.8	1498.6	1500.5	1502.3	1504.2	1504.2	1502.4	1500.7	1498.8	1497.1	1497.0
175°	1507.6	1509.4	1511.3	1513.1	1514.9	1514.9	1513.1	1511.3	1509.4	1507.6	1507.9
177.5°	1513.3	1514.9	1516.6	1518.2	1519.9	1520.0	1518.6	1517.1	1515.7	1514.2	1514.2
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



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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°	14.6	13.8	14.2	13.7	13.6	14.7	15.5	15.3	14.6	13.8	13.1
90°	21.6	19.6	17.5	14.9	12.1	9.3	6.4	3.5	6.4	9.3	12.1
92.5°	43.5	42.1	40.6	38.3	34.9	31.7	28.4	25.1	28.4	31.7	34.9
95°	85.5	83.7	81.9	79.8	77.5	75.1	72.7	70.4	72.7	75.1	77.5
97.5°	136.7	134.6	132.5	130.5	128.6	126.7	124.8	123.0	124.8	126.7	128.6
100°	174.8	172.5	170.2	168.4	167.3	166.3	165.3	164.3	165.3	166.3	167.3
102.5°	214.7	212.5	210.4	209.1	208.6	208.2	207.8	207.4	207.8	208.2	208.6
105°	277.1	276.1	275.1	274.4	274.2	273.9	273.7	273.4	273.7	273.9	274.2
107.5°	344.4	344.3	344.1	343.9	343.6	343.3	343.0	342.5	343.0	343.3	343.6
110°	391.2	391.5	391.7	391.6	391.1	390.5	390.0	389.5	390.0	390.5	391.1



TEST NUMBER: P332950-840

CATALOG NUMBER: S124RDIP-S795D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	437.7	438.1	438.6	438.8	438.7	438.6	438.5	438.3	438.5	438.6	438.7
115°	510.3	510.8	511.3	511.5	511.5	511.5	511.5	511.5	511.5	511.5	511.5
117.5°	580.6	580.9	581.3	581.4	581.2	581.0	580.8	580.6	580.8	581.0	581.2
120°	629.2	630.1	630.9	630.7	629.7	628.6	627.5	626.5	627.5	628.6	629.7
122.5°	675.4	675.7	676.1	676.1	675.6	675.2	674.8	674.4	674.8	675.2	675.6
125°	744.4	744.7	744.9	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0
127.5°	811.5	811.9	812.4	812.2	811.4	810.6	809.9	809.1	809.9	810.6	811.4
130°	857.7	857.7	857.7	857.3	856.5	855.7	855.0	854.1	855.0	855.7	856.5
132.5°	902.2	902.4	902.6	902.4	901.8	901.3	900.7	900.1	900.7	901.3	901.8
135°	968.0	968.0	968.0	967.1	965.6	964.0	962.5	960.9	962.5	964.0	965.6
137.5°	1031.4	1031.0	1030.6	1030.0	1029.3	1028.5	1027.8	1027.0	1027.8	1028.5	1029.3
140°	1073.5	1073.5	1073.5	1073.3	1072.8	1072.3	1071.7	1071.2	1071.7	1072.3	1072.8
142.5°	1113.4	1113.6	1113.8	1113.7	1113.1	1112.6	1112.1	1111.6	1112.1	1112.6	1113.1
145°	1172.8	1172.5	1172.3	1171.5	1170.5	1169.5	1168.4	1167.4	1168.4	1169.5	1170.5
147.5°	1227.9	1228.1	1228.3	1227.8	1226.5	1225.3	1224.1	1222.7	1224.1	1225.3	1226.5
150°	1261.2	1261.2	1261.2	1260.7	1259.7	1258.7	1257.6	1256.6	1257.6	1258.7	1259.7
152.5°	1291.8	1291.6	1291.4	1291.0	1290.3	1289.7	1289.1	1288.5	1289.1	1289.7	1290.3
155°	1336.9	1337.2	1337.4	1337.5	1337.5	1337.5	1337.5	1337.5	1337.5	1337.5	1337.5
157.5°	1376.5	1376.6	1376.6	1377.0	1377.5	1377.9	1378.4	1378.8	1378.4	1377.9	1377.5
160°	1401.4	1401.7	1401.9	1402.2	1402.4	1402.7	1403.0	1403.2	1403.0	1402.7	1402.4
162.5°	1422.1	1422.3	1422.6	1423.0	1423.7	1424.4	1425.0	1425.7	1425.0	1424.4	1423.7
165°	1451.2	1451.7	1452.2	1452.9	1453.7	1454.4	1455.2	1456.0	1455.2	1454.4	1453.7
167.5°	1474.4	1474.4	1474.3	1474.9	1475.9	1477.0	1478.1	1479.3	1478.1	1477.0	1475.9
170°	1487.1	1486.9	1486.6	1487.1	1488.4	1489.8	1491.1	1492.4	1491.1	1489.8	1488.4
172.5°	1497.0	1496.9	1496.8	1497.4	1498.4	1499.5	1500.7	1501.8	1500.7	1499.5	1498.4
175°	1508.1	1508.4	1508.6	1509.4	1510.8	1512.1	1513.4	1514.7	1513.4	1512.1	1510.8
177.5°	1514.2	1514.2	1514.2	1514.7	1515.8	1516.8	1517.8	1518.9	1517.8	1516.8	1515.8
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



TEST NUMBER: P332950-840

CATALOG NUMBER: S124RDIP-S795D1205U840-4F0-1E-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°	13.7	13.8	14.2	13.7	14.6	15.0	14.9	15.2	16.0	15.5	15.7
90°	14.9	17.5	19.6	21.6	23.7	25.9	27.4	29.0	30.5	32.1	33.1
92.5°	38.3	40.6	42.1	43.5	45.0	46.5	47.4	48.4	49.3	50.2	50.8
95°	79.8	81.9	83.7	85.5	87.4	89.2	90.0	90.7	91.5	92.3	92.7
97.5°	130.5	132.5	134.6	136.7	138.9	141.0	142.0	142.9	143.8	144.8	145.2
100°	168.4	170.2	172.5	174.8	177.1	179.6	180.1	180.6	181.1	181.6	181.9
102.5°	209.1	210.4	212.5	214.7	216.8	218.9	219.6	220.4	221.2	221.9	222.3
105°	274.4	275.1	276.1	277.1	278.2	279.2	280.0	280.8	281.6	282.4	283.2
107.5°	343.9	344.1	344.3	344.4	344.6	344.7	345.5	346.2	346.9	347.6	348.0
110°	391.6	391.7	391.5	391.2	390.9	390.7	390.2	389.6	389.1	388.6	388.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	438.8	438.6	438.1	437.7	437.2	436.7	436.6	436.5	436.4	436.3	436.3
115°	511.5	511.3	510.8	510.3	509.7	509.2	509.0	508.7	508.4	508.2	507.9
117.5°	581.4	581.3	580.9	580.6	580.2	579.9	579.0	578.0	577.1	576.2	575.6
120°	630.7	630.9	630.1	629.2	628.4	627.7	626.4	625.1	623.8	622.5	622.1
122.5°	676.1	676.1	675.7	675.4	675.0	674.6	673.8	672.9	672.0	671.1	670.1
125°	745.0	744.9	744.7	744.4	744.1	743.9	743.4	742.8	742.3	741.7	741.2
127.5°	812.2	812.4	811.9	811.5	811.1	810.7	810.2	809.7	809.2	808.6	808.2
130°	857.3	857.7	857.7	857.7	857.7	857.7	857.2	856.6	856.1	855.6	854.7
132.5°	902.4	902.6	902.4	902.2	902.0	901.8	901.2	900.7	900.2	899.7	899.2
135°	967.1	968.0	968.0	968.0	968.0	968.0	967.5	966.9	966.3	965.8	965.2
137.5°	1030.0	1030.6	1031.0	1031.4	1031.8	1032.2	1031.6	1030.9	1030.2	1029.6	1029.3
140°	1073.3	1073.5	1073.5	1073.5	1073.5	1073.5	1073.3	1073.0	1072.8	1072.5	1072.3
142.5°	1113.7	1113.8	1113.6	1113.4	1113.2	1113.0	1112.9	1112.9	1112.8	1112.8	1112.7
145°	1171.5	1172.3	1172.5	1172.8	1173.0	1173.3	1173.0	1172.8	1172.5	1172.3	1171.6
147.5°	1227.8	1228.3	1228.1	1227.9	1227.7	1227.5	1227.3	1227.1	1226.9	1226.6	1226.4
150°	1260.7	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.1
152.5°	1291.0	1291.4	1291.6	1291.8	1292.0	1292.2	1292.8	1293.4	1294.1	1294.7	1294.7
155°	1337.5	1337.4	1337.2	1336.9	1336.6	1336.4	1337.4	1338.5	1339.5	1340.5	1340.5
157.5°	1377.0	1376.6	1376.6	1376.5	1376.5	1376.4	1377.3	1378.1	1378.8	1379.6	1379.6
160°	1402.2	1401.9	1401.7	1401.4	1401.1	1400.9	1401.7	1402.4	1403.2	1404.0	1403.7
162.5°	1423.0	1422.6	1422.3	1422.1	1421.8	1421.5	1422.9	1424.3	1425.7	1427.1	1427.2
165°	1452.9	1452.2	1451.7	1451.2	1450.7	1450.2	1451.7	1453.3	1454.8	1456.4	1456.6
167.5°	1474.9	1474.3	1474.4	1474.4	1474.5	1474.5	1476.1	1477.6	1479.3	1480.8	1480.8
170°	1487.1	1486.6	1486.9	1487.1	1487.4	1487.7	1489.2	1490.9	1492.4	1494.0	1493.8
172.5°	1497.4	1496.8	1496.9	1497.0	1497.0	1497.1	1498.8	1500.7	1502.4	1504.2	1504.2
175°	1509.4	1508.6	1508.4	1508.1	1507.9	1507.6	1509.4	1511.3	1513.1	1514.9	1514.9
177.5°	1514.7	1514.2	1514.2	1514.2	1514.2	1514.2	1515.7	1517.1	1518.6	1520.0	1519.9
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



TEST NUMBER: P332950-840

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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°	16.6	16.3	16.0	16.5	16.0	16.3	16.6	15.7	15.5	16.0	15.2
90°	33.6	34.1	34.6	35.2	34.6	34.1	33.6	33.1	32.1	30.5	29.0
92.5°	51.2	51.5	51.8	52.1	51.8	51.5	51.2	50.8	50.2	49.3	48.4
95°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.3	91.5	90.7
97.5°	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	144.8	143.8	142.9
100°	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.6	181.1	180.6
102.5°	222.6	222.8	223.0	223.2	223.0	222.8	222.6	222.3	221.9	221.2	220.4
105°	284.0	284.7	285.5	286.3	285.5	284.7	284.0	283.2	282.4	281.6	280.8
107.5°	347.9	347.9	347.8	347.8	347.8	347.9	347.9	348.0	347.6	346.9	346.2
110°	389.5	390.3	391.1	391.8	391.1	390.3	389.5	388.7	388.6	389.1	389.6



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CATALOG NUMBER: S124RDIP-S795D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	436.5	436.6	436.8	437.0	436.8	436.6	436.5	436.3	436.3	436.4	436.5
115°	507.7	507.4	507.2	506.9	507.2	507.4	507.7	507.9	508.2	508.4	508.7
117.5°	575.0	574.5	574.0	573.5	574.0	574.5	575.0	575.6	576.2	577.1	578.0
120°	622.6	623.1	623.7	624.2	623.7	623.1	622.6	622.1	622.5	623.8	625.1
122.5°	669.2	668.3	667.3	666.4	667.3	668.3	669.2	670.1	671.1	672.0	672.9
125°	740.7	740.2	739.6	739.1	739.6	740.2	740.7	741.2	741.7	742.3	742.8
127.5°	807.8	807.3	806.9	806.5	806.9	807.3	807.8	808.2	808.6	809.2	809.7
130°	853.7	852.7	851.6	850.6	851.6	852.7	853.7	854.7	855.6	856.1	856.6
132.5°	898.8	898.4	898.0	897.6	898.0	898.4	898.8	899.2	899.7	900.2	900.7
135°	964.4	963.6	962.8	962.1	962.8	963.6	964.4	965.2	965.8	966.3	966.9
137.5°	1029.5	1029.6	1029.8	1029.9	1029.8	1029.6	1029.5	1029.3	1029.6	1030.2	1030.9
140°	1072.0	1071.7	1071.5	1071.2	1071.5	1071.7	1072.0	1072.3	1072.5	1072.8	1073.0
142.5°	1112.7	1112.6	1112.6	1112.5	1112.6	1112.6	1112.7	1112.7	1112.8	1112.8	1112.9
145°	1170.9	1170.1	1169.3	1168.6	1169.3	1170.1	1170.9	1171.6	1172.3	1172.5	1172.8
147.5°	1226.2	1225.9	1225.6	1225.4	1225.6	1225.9	1226.2	1226.4	1226.6	1226.9	1227.1
150°	1260.8	1260.6	1260.3	1260.1	1260.3	1260.6	1260.8	1261.1	1261.2	1261.2	1261.2
152.5°	1294.0	1293.3	1292.6	1292.0	1292.6	1293.3	1294.0	1294.7	1294.7	1294.1	1293.4
155°	1339.5	1338.5	1337.4	1336.4	1337.4	1338.5	1339.5	1340.5	1340.5	1339.5	1338.5
157.5°	1378.7	1377.8	1376.8	1376.0	1376.8	1377.8	1378.7	1379.6	1379.6	1378.8	1378.1
160°	1402.4	1401.1	1399.9	1398.6	1399.9	1401.1	1402.4	1403.7	1404.0	1403.2	1402.4
162.5°	1425.9	1424.6	1423.3	1422.0	1423.3	1424.6	1425.9	1427.2	1427.1	1425.7	1424.3
165°	1455.6	1454.6	1453.5	1452.5	1453.5	1454.6	1455.6	1456.6	1456.4	1454.8	1453.3
167.5°	1479.1	1477.5	1475.9	1474.3	1475.9	1477.5	1479.1	1480.8	1480.8	1479.3	1477.6
170°	1492.0	1490.2	1488.3	1486.5	1488.3	1490.2	1492.0	1493.8	1494.0	1492.4	1490.9
172.5°	1502.3	1500.5	1498.6	1496.8	1498.6	1500.5	1502.3	1504.2	1504.2	1502.4	1500.7
175°	1513.1	1511.3	1509.4	1507.6	1509.4	1511.3	1513.1	1514.9	1514.9	1513.1	1511.3
177.5°	1518.2	1516.6	1514.9	1513.3	1514.9	1516.6	1518.2	1519.9	1520.0	1518.6	1517.1
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



TEST NUMBER: P332950-840

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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°	14.9	15.0	14.6	13.7	14.2	13.8	13.7	13.1	13.8	14.6	15.3
90°	27.4	25.9	23.7	21.6	19.6	17.5	14.9	12.1	9.3	6.4	3.5
92.5°	47.4	46.5	45.0	43.5	42.1	40.6	38.3	34.9	31.7	28.4	25.1
95°	90.0	89.2	87.4	85.5	83.7	81.9	79.8	77.5	75.1	72.7	70.4
97.5°	142.0	141.0	138.9	136.7	134.6	132.5	130.5	128.6	126.7	124.8	123.0
100°	180.1	179.6	177.1	174.8	172.5	170.2	168.4	167.3	166.3	165.3	164.3
102.5°	219.6	218.9	216.8	214.7	212.5	210.4	209.1	208.6	208.2	207.8	207.4
105°	280.0	279.2	278.2	277.1	276.1	275.1	274.4	274.2	273.9	273.7	273.4
107.5°	345.5	344.7	344.6	344.4	344.3	344.1	343.9	343.6	343.3	343.0	342.5
110°	390.2	390.7	390.9	391.2	391.5	391.7	391.6	391.1	390.5	390.0	389.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	436.6	436.7	437.2	437.7	438.1	438.6	438.8	438.7	438.6	438.5	438.3
115°	509.0	509.2	509.7	510.3	510.8	511.3	511.5	511.5	511.5	511.5	511.5
117.5°	579.0	579.9	580.2	580.6	580.9	581.3	581.4	581.2	581.0	580.8	580.6
120°	626.4	627.7	628.4	629.2	630.1	630.9	630.7	629.7	628.6	627.5	626.5
122.5°	673.8	674.6	675.0	675.4	675.7	676.1	676.1	675.6	675.2	674.8	674.4
125°	743.4	743.9	744.1	744.4	744.7	744.9	745.0	745.0	745.0	745.0	745.0
127.5°	810.2	810.7	811.1	811.5	811.9	812.4	812.2	811.4	810.6	809.9	809.1
130°	857.2	857.7	857.7	857.7	857.7	857.7	857.3	856.5	855.7	855.0	854.1
132.5°	901.2	901.8	902.0	902.2	902.4	902.6	902.4	901.8	901.3	900.7	900.1
135°	967.5	968.0	968.0	968.0	968.0	968.0	967.1	965.6	964.0	962.5	960.9
137.5°	1031.6	1032.2	1031.8	1031.4	1031.0	1030.6	1030.0	1029.3	1028.5	1027.8	1027.0
140°	1073.3	1073.5	1073.5	1073.5	1073.5	1073.5	1073.3	1072.8	1072.3	1071.7	1071.2
142.5°	1112.9	1113.0	1113.2	1113.4	1113.6	1113.8	1113.7	1113.1	1112.6	1112.1	1111.6
145°	1173.0	1173.3	1173.0	1172.8	1172.5	1172.3	1171.5	1170.5	1169.5	1168.4	1167.4
147.5°	1227.3	1227.5	1227.7	1227.9	1228.1	1228.3	1227.8	1226.5	1225.3	1224.1	1222.7
150°	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1260.7	1259.7	1258.7	1257.6	1256.6
152.5°	1292.8	1292.2	1292.0	1291.8	1291.6	1291.4	1291.0	1290.3	1289.7	1289.1	1288.5
155°	1337.4	1336.4	1336.6	1336.9	1337.2	1337.4	1337.5	1337.5	1337.5	1337.5	1337.5
157.5°	1377.3	1376.4	1376.5	1376.5	1376.6	1376.6	1377.0	1377.5	1377.9	1378.4	1378.8
160°	1401.7	1400.9	1401.1	1401.4	1401.7	1401.9	1402.2	1402.4	1402.7	1403.0	1403.2
162.5°	1422.9	1421.5	1421.8	1422.1	1422.3	1422.6	1423.0	1423.7	1424.4	1425.0	1425.7
165°	1451.7	1450.2	1450.7	1451.2	1451.7	1452.2	1452.9	1453.7	1454.4	1455.2	1456.0
167.5°	1476.1	1474.5	1474.5	1474.4	1474.4	1474.3	1474.9	1475.9	1477.0	1478.1	1479.3
170°	1489.2	1487.7	1487.4	1487.1	1486.9	1486.6	1487.1	1488.4	1489.8	1491.1	1492.4
172.5°	1498.8	1497.1	1497.0	1497.0	1496.9	1496.8	1497.4	1498.4	1499.5	1500.7	1501.8
175°	1509.4	1507.6	1507.9	1508.1	1508.4	1508.6	1509.4	1510.8	1512.1	1513.4	1514.7
177.5°	1515.7	1514.2	1514.2	1514.2	1514.2	1514.2	1514.7	1515.8	1516.8	1517.8	1518.9
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



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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°	15.5	14.7	13.6	13.7	14.2	13.8	14.6	15.0	15.5	15.3	16.6
90°	6.4	9.3	12.1	14.9	17.5	19.6	21.6	23.7	25.9	27.4	29.0
92.5°	28.4	31.7	34.9	38.3	40.6	42.1	43.5	45.0	46.5	47.4	48.4
95°	72.7	75.1	77.5	79.8	81.9	83.7	85.5	87.4	89.2	90.0	90.7
97.5°	124.8	126.7	128.6	130.5	132.5	134.6	136.7	138.9	141.0	142.0	142.9
100°	165.3	166.3	167.3	168.4	170.2	172.5	174.8	177.1	179.6	180.1	180.6
102.5°	207.8	208.2	208.6	209.1	210.4	212.5	214.7	216.8	218.9	219.6	220.4
105°	273.7	273.9	274.2	274.4	275.1	276.1	277.1	278.2	279.2	280.0	280.8
107.5°	343.0	343.3	343.6	343.9	344.1	344.3	344.4	344.6	344.7	345.5	346.2
110°	390.0	390.5	391.1	391.6	391.7	391.5	391.2	390.9	390.7	390.2	389.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	438.5	438.6	438.7	438.8	438.6	438.1	437.7	437.2	436.7	436.6	436.5
115°	511.5	511.5	511.5	511.5	511.3	510.8	510.3	509.7	509.2	509.0	508.7
117.5°	580.8	581.0	581.2	581.4	581.3	580.9	580.6	580.2	579.9	579.0	578.0
120°	627.5	628.6	629.7	630.7	630.9	630.1	629.2	628.4	627.7	626.4	625.1
122.5°	674.8	675.2	675.6	676.1	676.1	675.7	675.4	675.0	674.6	673.8	672.9
125°	745.0	745.0	745.0	745.0	744.9	744.7	744.4	744.1	743.9	743.4	742.8
127.5°	809.9	810.6	811.4	812.2	812.4	811.9	811.5	811.1	810.7	810.2	809.7
130°	855.0	855.7	856.5	857.3	857.7	857.7	857.7	857.7	857.7	857.2	856.6
132.5°	900.7	901.3	901.8	902.4	902.6	902.4	902.2	902.0	901.8	901.2	900.7
135°	962.5	964.0	965.6	967.1	968.0	968.0	968.0	968.0	968.0	967.5	966.9
137.5°	1027.8	1028.5	1029.3	1030.0	1030.6	1031.0	1031.4	1031.8	1032.2	1031.6	1030.9
140°	1071.7	1072.3	1072.8	1073.3	1073.5	1073.5	1073.5	1073.5	1073.5	1073.3	1073.0
142.5°	1112.1	1112.6	1113.1	1113.7	1113.8	1113.6	1113.4	1113.2	1113.0	1112.9	1112.9
145°	1168.4	1169.5	1170.5	1171.5	1172.3	1172.5	1172.8	1173.0	1173.3	1173.0	1172.8
147.5°	1224.1	1225.3	1226.5	1227.8	1228.3	1228.1	1227.9	1227.7	1227.5	1227.3	1227.1
150°	1257.6	1258.7	1259.7	1260.7	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2
152.5°	1289.1	1289.7	1290.3	1291.0	1291.4	1291.6	1291.8	1292.0	1292.2	1292.8	1293.4
155°	1337.5	1337.5	1337.5	1337.5	1337.4	1337.2	1336.9	1336.6	1336.4	1337.4	1338.5
157.5°	1378.4	1377.9	1377.5	1377.0	1376.6	1376.6	1376.5	1376.5	1376.4	1377.3	1378.1
160°	1403.0	1402.7	1402.4	1402.2	1401.9	1401.7	1401.4	1401.1	1400.9	1401.7	1402.4
162.5°	1425.0	1424.4	1423.7	1423.0	1422.6	1422.3	1422.1	1421.8	1421.5	1422.9	1424.3
165°	1455.2	1454.4	1453.7	1452.9	1452.2	1451.7	1451.2	1450.7	1450.2	1451.7	1453.3
167.5°	1478.1	1477.0	1475.9	1474.9	1474.3	1474.4	1474.4	1474.5	1474.5	1476.1	1477.6
170°	1491.1	1489.8	1488.4	1487.1	1486.6	1486.9	1487.1	1487.4	1487.7	1489.2	1490.9
172.5°	1500.7	1499.5	1498.4	1497.4	1496.8	1496.9	1497.0	1497.0	1497.1	1498.8	1500.7
175°	1513.4	1512.1	1510.8	1509.4	1508.6	1508.4	1508.1	1507.9	1507.6	1509.4	1511.3
177.5°	1517.8	1516.8	1515.8	1514.7	1514.2	1514.2	1514.2	1514.2	1514.2	1515.7	1517.1
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



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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°	16.0	15.9	16.5	16.2	16.3	16.0	16.5
90°	30.5	32.1	33.1	33.6	34.1	34.6	35.2
92.5°	49.3	50.2	50.8	51.2	51.5	51.8	52.1
95°	91.5	92.3	92.7	92.7	92.7	92.7	92.7
97.5°	143.8	144.8	145.2	145.2	145.2	145.2	145.2
100°	181.1	181.6	181.9	181.9	181.9	181.9	181.9
102.5°	221.2	221.9	222.3	222.6	222.8	223.0	223.2
105°	281.6	282.4	283.2	284.0	284.7	285.5	286.3
107.5°	346.9	347.6	348.0	347.9	347.9	347.8	347.8
110°	389.1	388.6	388.7	389.5	390.3	391.1	391.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	436.4	436.3	436.3	436.5	436.6	436.8	437.0
115°	508.4	508.2	507.9	507.7	507.4	507.2	506.9
117.5°	577.1	576.2	575.6	575.0	574.5	574.0	573.5
120°	623.8	622.5	622.1	622.6	623.1	623.7	624.2
122.5°	672.0	671.1	670.1	669.2	668.3	667.3	666.4
125°	742.3	741.7	741.2	740.7	740.2	739.6	739.1
127.5°	809.2	808.6	808.2	807.8	807.3	806.9	806.5
130°	856.1	855.6	854.7	853.7	852.7	851.6	850.6
132.5°	900.2	899.7	899.2	898.8	898.4	898.0	897.6
135°	966.3	965.8	965.2	964.4	963.6	962.8	962.1
137.5°	1030.2	1029.6	1029.3	1029.5	1029.6	1029.8	1029.9
140°	1072.8	1072.5	1072.3	1072.0	1071.7	1071.5	1071.2
142.5°	1112.8	1112.8	1112.7	1112.7	1112.6	1112.6	1112.5
145°	1172.5	1172.3	1171.6	1170.9	1170.1	1169.3	1168.6
147.5°	1226.9	1226.6	1226.4	1226.2	1225.9	1225.6	1225.4
150°	1261.2	1261.2	1261.1	1260.8	1260.6	1260.3	1260.1
152.5°	1294.1	1294.7	1294.7	1294.0	1293.3	1292.6	1292.0
155°	1339.5	1340.5	1340.5	1339.5	1338.5	1337.4	1336.4
157.5°	1378.8	1379.6	1379.6	1378.7	1377.8	1376.8	1376.0
160°	1403.2	1404.0	1403.7	1402.4	1401.1	1399.9	1398.6
162.5°	1425.7	1427.1	1427.2	1425.9	1424.6	1423.3	1422.0
165°	1454.8	1456.4	1456.6	1455.6	1454.6	1453.5	1452.5
167.5°	1479.3	1480.8	1480.8	1479.1	1477.5	1475.9	1474.3
170°	1492.4	1494.0	1493.8	1492.0	1490.2	1488.3	1486.5
172.5°	1502.4	1504.2	1504.2	1502.3	1500.5	1498.6	1496.8
175°	1513.1	1514.9	1514.9	1513.1	1511.3	1509.4	1507.6
177.5°	1518.6	1520.0	1519.9	1518.2	1516.6	1514.9	1513.3
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0

(END OF REPORT)