

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: P332949

Luminaire Tested: **SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332949
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8146.7 lumens
Efficiency: N/A
Efficacy: 143.2 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

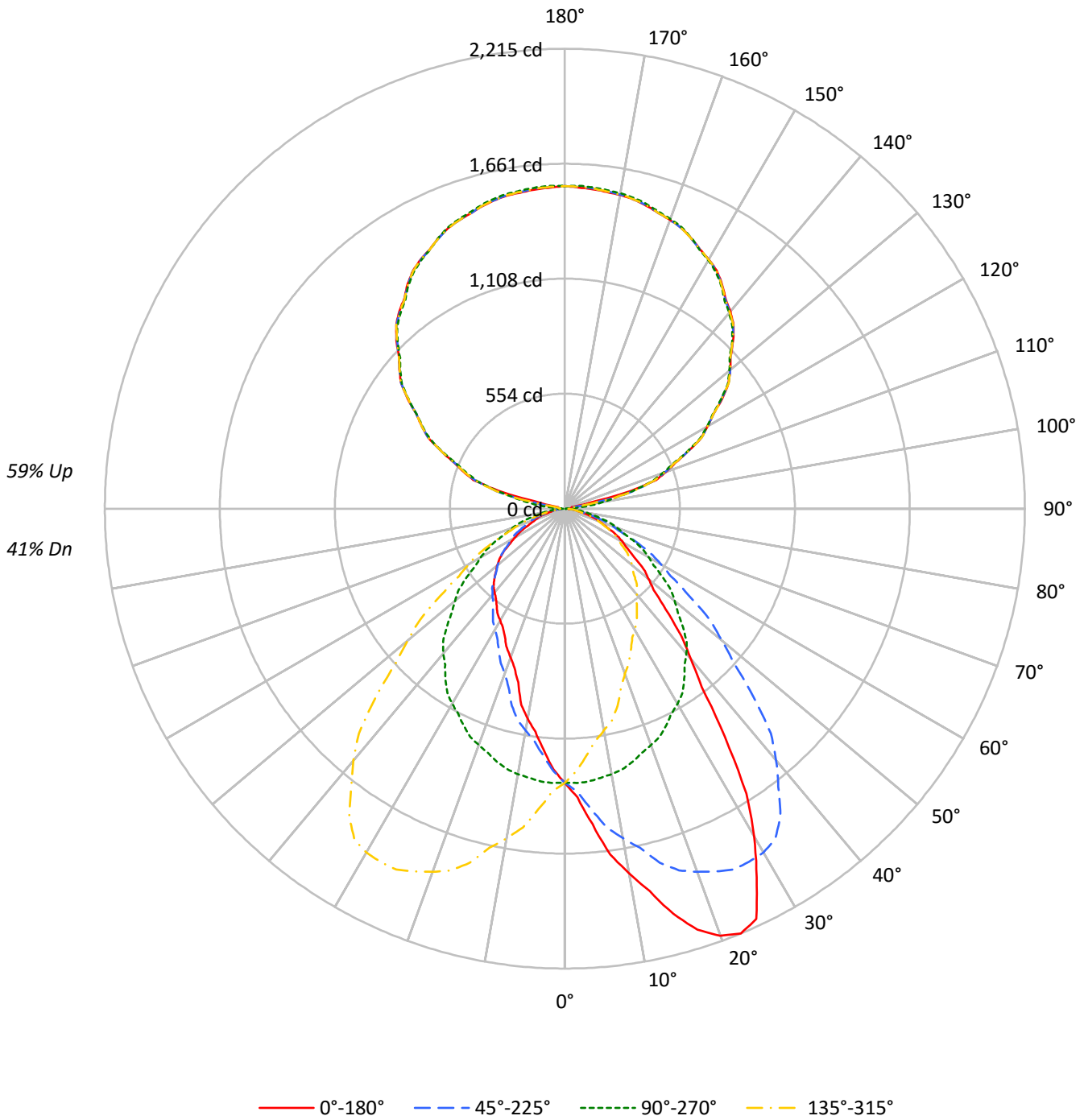
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				41
1	96	92	88	85	88	84	81	78	69	67	65	55	54	53	43	42	41				35	
2	88	81	75	70	80	74	69	65	61	57	54	49	47	45	38	37	35				30	
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	30				26	
4	74	63	56	50	67	58	51	46	48	43	40	39	36	33	31	28	26				23	
5	68	56	49	43	61	52	45	40	43	38	34	35	32	29	28	25	23				20	
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21				18	
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18				16	
8	53	42	34	29	49	38	32	27	32	27	23	27	23	20	21	19	16				14	
9	50	38	31	26	45	35	29	24	30	25	21	24	21	18	20	17	15				13	
10	46	35	28	23	42	32	26	22	27	22	19	23	19	16	18	16	14				12	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10656	10656	10656	10656
5°	12361	10689	9447	10689
10°	14623	10642	8432	10642
15°	16891	10543	7245	10543
20°	18806	10408	6552	10408
25°	19414	10276	6083	10276
30°	16995	10113	5800	10113
35°	13230	9875	5629	9875
40°	9921	9601	5538	9601
45°	7833	9162	5489	9162
50°	6612	8657	5330	8657
55°	5764	8099	5046	8099
60°	5186	7522	4466	7522
65°	4571	6898	3840	6898
70°	4116	6253	3465	6253
75°	3450	5540	2954	5540
80°	2920	4723	2771	4723
85°	2464	3696	2464	3696



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	1.6
10°-20°	385.8	4.7
20°-30°	603.4	7.4
30°-40°	670.8	8.2
40°-50°	595.2	7.3
50°-60°	463.8	5.7
60°-70°	303.6	3.7
70°-80°	149.3	1.8
80°-90°	41.3	0.5
90°-100°	53.1	0.7
100°-110°	338.8	4.2
110°-120°	648.1	8.0
120°-130°	822.7	10.1
130°-140°	880.2	10.8
140°-150°	823.1	10.1
150°-160°	663.8	8.1
160°-170°	428.1	5.3
170°-180°	147.6	1.8
0°-30°	1117.1	13.7
0°-40°	1787.9	21.9
0°-60°	2846.9	34.9
0°-90°	3341.2	41.0
90°-120°	1040.0	12.8
90°-150°	3566.1	43.8
90°-180°	4806.0	59.0
0°-180°	8146.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1320	1320	1320	1320	1320	
5°	1525	1319	1166	1319	1525	154
15°	2021	1262	867	1262	2021	575
25°	2180	1154	683	1154	2180	967
35°	1342	1002	571	1002	1342	841
45°	686	802	481	802	686	543
55°	410	575	358	575	410	372
65°	239	361	201	361	239	241
75°	111	178	95	178	111	122
85°	27	40	27	40	27	31
90°	35	4	35	4	35	16
95°	34	64	34	64	34	27
105°	331	350	331	350	331	289
115°	658	653	658	653	658	651
125°	925	918	925	918	925	824
135°	1147	1139	1147	1139	1147	883
145°	1320	1313	1320	1313	1320	825
155°	1438	1440	1438	1440	1438	663
165°	1512	1519	1512	1519	1512	427
175°	1544	1554	1544	1554	1544	147
180°	1554	1554	1554	1554	1554	



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1392.3	1396.2	1392.3	1391.9	1387.7	1386.4	1384.7	1379.2	1368.9	1363.0	1364.3
5°	1525.3	1538.6	1531.2	1530.1	1518.4	1506.7	1499.2	1482.2	1464.1	1451.9	1441.8
7.5°	1679.1	1686.8	1682.1	1674.6	1655.7	1645.0	1627.7	1605.3	1572.9	1548.1	1525.4
10°	1783.8	1790.2	1788.0	1774.2	1760.4	1732.2	1716.2	1684.9	1643.9	1611.5	1581.2
12.5°	1886.7	1893.6	1874.8	1875.5	1849.3	1827.1	1801.8	1762.3	1715.0	1673.2	1635.2
15°	2021.0	2012.5	2012.5	2001.8	1972.6	1941.7	1915.7	1874.2	1814.6	1764.6	1712.0
17.5°	2126.1	2129.0	2124.7	2099.6	2076.6	2044.7	1996.9	1948.5	1893.2	1826.1	1772.3
20°	2189.0	2189.0	2184.3	2167.2	2137.5	2103.4	2051.8	1999.2	1929.0	1861.4	1800.8
22.5°	2214.6	2216.3	2210.6	2196.6	2169.8	2136.6	2092.7	2039.2	1966.8	1890.8	1815.7
25°	2179.5	2189.6	2190.6	2186.9	2178.9	2158.7	2121.0	2066.2	2001.3	1918.9	1838.0
27.5°	2001.0	2013.7	2024.9	2043.3	2067.8	2080.5	2082.2	2054.4	1997.8	1918.4	1837.1
30°	1823.1	1833.8	1868.3	1913.5	1948.7	1980.6	2008.2	2015.7	1983.8	1912.5	1826.9
32.5°	1625.7	1640.2	1674.8	1723.4	1781.9	1835.9	1898.0	1929.7	1928.9	1886.1	1806.9
35°	1342.4	1353.0	1384.9	1436.0	1506.2	1586.5	1684.9	1761.4	1813.6	1809.8	1761.4
37.5°	1082.6	1094.6	1126.9	1169.2	1237.3	1336.7	1431.9	1537.4	1633.8	1687.9	1671.8
40°	941.4	941.9	973.3	1016.9	1080.7	1167.4	1271.1	1388.1	1495.5	1583.3	1600.3
42.5°	829.9	830.0	850.7	897.7	943.7	1025.3	1124.3	1240.5	1366.2	1467.6	1512.7
45°	686.1	690.9	707.9	736.1	772.2	841.4	920.6	1028.6	1169.5	1289.7	1364.7
47.5°	581.0	588.0	598.8	621.8	650.6	696.7	762.2	859.2	973.9	1106.1	1212.8
50°	526.5	527.6	541.4	554.2	579.2	615.9	673.3	754.1	859.4	986.6	1105.2
52.5°	479.7	479.5	487.8	504.0	524.3	552.9	599.3	672.9	766.3	880.2	1002.6
55°	409.5	412.2	418.6	431.3	446.7	467.0	503.6	559.0	632.4	729.7	840.8
57.5°	356.1	357.5	362.5	367.9	382.1	396.8	424.3	462.7	524.6	604.3	707.9
60°	321.2	321.8	323.4	331.3	342.5	356.3	374.9	407.4	459.5	532.4	614.3
62.5°	287.2	288.1	290.6	296.4	305.1	314.6	334.1	360.2	403.3	465.6	539.4
65°	239.3	239.9	243.6	245.7	252.6	261.1	275.5	293.0	322.8	374.9	430.8
67.5°	200.0	200.0	200.2	203.1	207.8	213.5	222.1	236.1	258.6	290.6	339.8
70°	174.4	174.4	175.5	177.1	179.8	184.5	189.3	200.0	216.5	242.5	280.3
72.5°	150.6	151.0	152.1	152.4	153.8	157.7	161.3	168.1	180.3	200.0	230.5
75°	110.6	112.2	114.9	117.0	119.7	119.1	122.9	127.1	130.8	142.5	160.1
77.5°	82.3	81.5	81.8	83.6	83.9	84.5	87.1	90.4	93.2	98.7	105.0
80°	62.8	62.8	64.4	64.9	64.4	64.9	67.5	69.1	70.2	72.3	78.2
82.5°	47.4	48.3	47.8	48.3	48.6	49.1	51.4	51.7	52.8	53.6	56.1
85°	26.6	27.1	27.7	26.6	26.6	26.6	27.7	28.2	29.3	28.7	29.8
87.5°	16.3	15.8	16.1	16.0	16.3	15.7	15.8	16.4	15.2	15.3	14.9
90°	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7	27.1	25.6	23.5
92.5°	32.1	32.0	31.9	31.8	31.7	30.8	29.3	27.7	26.2	24.6	22.6
95°	33.7	33.4	33.2	32.9	32.7	31.8	30.2	28.7	27.1	25.6	25.3
97.5°	32.5	32.3	32.0	31.8	31.5	31.3	31.1	31.0	30.8	30.7	59.5
100°	32.5	32.3	32.0	31.8	31.5	33.6	38.0	42.3	46.7	51.1	86.8
102.5°	33.5	33.4	33.4	33.3	33.3	56.9	104.3	151.6	199.0	246.3	251.0
105°	331.2	340.5	349.7	359.0	368.3	371.8	369.5	367.2	364.9	362.5	361.2
107.5°	461.5	460.5	459.6	458.6	457.6	456.5	455.4	454.3	453.1	452.0	450.2
110°	518.2	517.5	516.7	515.9	515.1	514.5	514.0	513.5	512.9	512.4	510.9



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	574.9	574.0	573.0	572.0	571.0	570.6	570.7	570.8	570.9	571.0	570.3
115°	657.7	657.7	657.7	657.7	657.7	657.4	656.9	656.4	655.9	655.3	655.6
117.5°	741.8	741.9	742.0	742.1	742.2	742.3	742.4	742.5	742.6	742.7	742.2
120°	794.8	795.3	795.8	796.3	796.8	796.8	796.3	795.8	795.3	794.8	795.0
122.5°	846.8	847.3	847.9	848.4	848.9	849.0	848.7	848.4	848.1	847.8	847.4
125°	924.9	924.7	924.4	924.1	923.9	923.4	922.6	921.8	921.0	920.3	920.8
127.5°	993.5	993.7	993.9	994.1	994.3	994.5	994.6	994.8	994.9	995.1	993.9
130°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.8	1039.6	1039.3	1039.0	1038.8	1038.0
132.5°	1082.7	1082.9	1083.1	1083.3	1083.5	1083.5	1083.3	1083.0	1082.7	1082.5	1081.5
135°	1146.8	1146.3	1145.8	1145.3	1144.8	1144.3	1143.7	1143.2	1142.7	1142.2	1141.2
137.5°	1201.7	1201.8	1202.0	1202.2	1202.3	1202.1	1201.5	1201.0	1200.4	1199.8	1198.7
140°	1239.8	1239.5	1239.3	1239.0	1238.8	1238.3	1237.5	1236.7	1235.9	1235.2	1234.6
142.5°	1271.4	1271.4	1271.3	1271.3	1271.2	1270.9	1270.3	1269.8	1269.2	1268.6	1268.3
145°	1320.0	1319.5	1318.9	1318.4	1317.9	1317.5	1317.3	1317.0	1316.8	1316.5	1316.5
147.5°	1360.2	1359.9	1359.7	1359.4	1359.1	1358.9	1358.7	1358.5	1358.3	1358.1	1358.3
150°	1386.2	1386.0	1385.7	1385.4	1385.2	1385.0	1385.0	1385.0	1385.0	1385.0	1385.3
152.5°	1408.5	1408.7	1408.8	1409.0	1409.1	1409.0	1408.6	1408.2	1407.8	1407.4	1407.8
155°	1438.5	1439.3	1440.0	1440.8	1441.6	1441.5	1440.4	1439.4	1438.4	1437.3	1438.1
157.5°	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0	1467.6	1466.3	1464.9	1463.6	1464.5
160°	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5	1485.0	1483.4	1481.9	1480.3	1480.6
162.5°	1493.3	1495.1	1496.9	1498.6	1500.4	1500.5	1498.9	1497.4	1495.8	1494.3	1494.5
165°	1511.7	1514.0	1516.3	1518.7	1521.0	1521.1	1519.1	1517.0	1514.9	1512.9	1512.9
167.5°	1525.4	1528.0	1530.6	1533.2	1535.7	1535.9	1533.6	1531.4	1529.1	1526.8	1527.0
170°	1533.8	1536.4	1538.9	1541.5	1544.1	1544.4	1542.3	1540.2	1538.2	1536.1	1535.8
172.5°	1538.4	1541.2	1544.0	1546.8	1549.6	1549.9	1547.9	1545.8	1543.7	1541.7	1541.4
175°	1544.2	1547.3	1550.4	1553.5	1556.6	1557.0	1554.7	1552.4	1550.0	1547.7	1547.5
177.5°	1548.0	1550.4	1552.9	1555.4	1557.9	1558.3	1556.6	1555.0	1553.3	1551.7	1551.3
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1360.0	1354.1	1351.1	1344.3	1336.2	1331.9	1328.1	1322.6	1315.3	1307.7	1302.1
5°	1429.0	1416.3	1400.3	1381.2	1364.2	1347.7	1333.3	1319.0	1302.5	1285.4	1268.4
7.5°	1499.9	1474.8	1447.7	1416.3	1385.8	1358.0	1332.5	1308.0	1280.3	1255.6	1233.0
10°	1549.2	1515.2	1477.4	1437.6	1397.7	1363.1	1329.1	1298.2	1264.2	1233.9	1208.3
12.5°	1589.2	1549.2	1503.8	1454.1	1406.2	1364.4	1325.2	1285.0	1246.3	1213.4	1179.4
15°	1655.6	1600.8	1539.7	1480.1	1417.9	1361.0	1308.3	1261.5	1217.4	1171.1	1138.7
17.5°	1701.2	1636.2	1561.9	1490.3	1416.8	1349.7	1289.0	1233.2	1182.3	1135.0	1096.4
20°	1728.5	1656.7	1574.2	1492.9	1410.4	1338.6	1273.2	1211.5	1158.9	1107.8	1067.9
22.5°	1743.8	1664.3	1574.2	1489.0	1403.6	1325.9	1254.1	1189.8	1132.5	1081.4	1037.3
25°	1748.7	1663.6	1571.6	1473.7	1380.1	1297.7	1223.2	1153.6	1089.7	1038.7	991.9
27.5°	1741.9	1641.7	1547.4	1447.0	1350.4	1263.5	1185.4	1112.2	1048.3	993.5	945.5
30°	1731.7	1624.2	1523.2	1418.9	1321.1	1237.6	1155.1	1084.9	1018.5	961.6	913.2
32.5°	1709.5	1603.0	1494.2	1387.5	1288.3	1202.3	1124.1	1053.5	988.3	930.1	878.7
35°	1665.7	1557.8	1439.7	1330.1	1232.8	1143.4	1070.1	1002.0	939.8	877.5	823.3
37.5°	1608.0	1497.7	1380.2	1260.2	1162.8	1078.5	1011.1	947.2	886.5	829.7	769.6
40°	1553.5	1453.0	1331.7	1212.6	1112.6	1031.2	969.0	911.0	849.9	793.5	733.4
42.5°	1487.5	1401.9	1279.4	1159.8	1061.1	982.7	924.8	868.1	812.4	757.8	695.1
45°	1377.5	1312.6	1197.7	1082.8	983.4	905.7	852.5	802.5	753.6	701.5	642.5
47.5°	1251.3	1207.4	1108.2	990.6	898.6	828.7	777.3	736.5	695.1	643.0	591.2
50°	1163.7	1135.5	1039.7	932.3	844.6	780.2	727.6	689.3	654.7	604.7	558.4
52.5°	1070.1	1055.1	974.2	871.5	786.7	723.6	678.6	644.2	609.2	567.7	524.4
55°	927.5	935.5	866.9	778.1	698.3	645.1	604.2	575.4	545.7	510.6	477.1
57.5°	781.8	810.9	764.9	686.9	612.1	563.0	532.2	508.0	483.0	453.9	425.3
60°	694.6	719.0	693.0	624.4	559.0	513.2	484.5	465.9	440.9	414.3	392.5
62.5°	609.5	635.7	620.2	564.8	504.1	464.7	439.4	422.1	403.5	380.3	357.6
65°	502.6	519.6	512.2	473.9	430.8	397.3	373.9	361.1	344.1	327.1	306.9
67.5°	384.9	417.8	413.5	393.1	355.9	329.7	314.4	303.1	287.6	275.0	261.2
70°	316.4	346.8	346.2	329.7	309.5	285.1	274.4	264.9	251.0	238.8	227.6
72.5°	259.0	286.8	290.9	278.3	264.4	245.9	235.7	229.1	215.7	207.3	198.3
75°	181.4	201.6	206.9	206.9	200.5	190.9	181.9	177.6	168.1	160.6	155.3
77.5°	118.9	131.7	140.0	141.9	142.9	139.7	132.2	129.2	121.9	119.2	114.1
80°	84.0	92.5	102.1	105.3	108.0	106.9	103.7	101.6	94.7	92.0	89.9
82.5°	58.1	62.8	70.6	77.6	76.9	79.7	76.9	75.2	70.0	69.0	66.9
85°	30.3	30.8	31.9	36.7	39.4	40.4	41.0	39.9	38.3	38.3	34.6
87.5°	14.5	13.7	14.1	13.6	13.5	14.6	15.3	15.2	14.5	13.7	13.0
90°	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5	6.3	9.2	12.0
92.5°	20.5	18.4	16.4	15.3	15.1	15.0	14.8	14.6	14.8	15.0	15.1
95°	25.0	24.8	24.5	28.8	37.6	46.3	55.1	63.9	55.1	46.3	37.6
97.5°	88.3	117.1	145.9	157.6	152.1	146.7	141.2	135.7	141.2	146.7	152.1
100°	122.4	158.0	193.7	209.2	204.5	199.9	195.2	190.6	195.2	199.9	204.5
102.5°	255.6	260.3	264.9	265.5	262.1	258.7	255.3	251.9	255.3	258.7	262.1
105°	359.9	358.7	357.4	355.9	354.4	352.8	351.3	349.7	351.3	352.8	354.4
107.5°	448.5	446.7	445.0	443.7	442.9	442.2	441.4	440.6	441.4	442.2	442.9
110°	509.3	507.8	506.2	505.1	504.3	503.5	502.7	502.0	502.7	503.5	504.3



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	569.5	568.8	568.1	567.0	565.6	564.2	562.9	561.5	562.9	564.2	565.6
115°	655.9	656.1	656.4	656.1	655.3	654.6	653.8	653.0	653.8	654.6	655.3
117.5°	741.6	741.0	740.4	739.6	738.6	737.6	736.5	735.5	736.5	737.6	738.6
120°	795.3	795.6	795.8	795.4	794.4	793.4	792.3	791.3	792.3	793.4	794.4
122.5°	847.0	846.7	846.3	845.8	845.2	844.6	844.0	843.3	844.0	844.6	845.2
125°	921.3	921.8	922.3	922.1	921.0	920.0	919.0	917.9	919.0	920.0	921.0
127.5°	992.7	991.5	990.3	989.6	989.4	989.1	988.8	988.6	988.8	989.1	989.4
130°	1037.2	1036.5	1035.7	1035.2	1034.9	1034.7	1034.4	1034.1	1034.4	1034.7	1034.9
132.5°	1080.5	1079.5	1078.6	1077.8	1077.4	1076.9	1076.4	1076.0	1076.4	1076.9	1077.4
135°	1140.1	1139.1	1138.1	1137.7	1137.9	1138.2	1138.5	1138.7	1138.5	1138.2	1137.9
137.5°	1197.6	1196.4	1195.3	1194.7	1194.6	1194.5	1194.4	1194.3	1194.4	1194.5	1194.6
140°	1234.1	1233.6	1233.1	1232.6	1232.1	1231.5	1231.0	1230.5	1231.0	1231.5	1232.1
142.5°	1268.0	1267.7	1267.4	1266.8	1265.8	1264.9	1264.0	1263.0	1264.0	1264.9	1265.8
145°	1316.5	1316.5	1316.5	1316.1	1315.3	1314.6	1313.8	1313.0	1313.8	1314.6	1315.3
147.5°	1358.6	1358.9	1359.1	1358.5	1357.1	1355.6	1354.2	1352.7	1354.2	1355.6	1357.1
150°	1385.6	1385.8	1386.1	1385.7	1384.7	1383.6	1382.6	1381.6	1382.6	1383.6	1384.7
152.5°	1408.3	1408.8	1409.2	1409.0	1408.2	1407.4	1406.6	1405.7	1406.6	1407.4	1408.2
155°	1438.9	1439.7	1440.4	1440.7	1440.4	1440.2	1439.9	1439.7	1439.9	1440.2	1440.4
157.5°	1465.4	1466.2	1467.1	1467.6	1467.8	1467.9	1468.1	1468.2	1468.1	1467.9	1467.8
160°	1480.8	1481.1	1481.4	1481.9	1482.7	1483.4	1484.2	1485.0	1484.2	1483.4	1482.7
162.5°	1494.8	1495.0	1495.3	1495.9	1496.9	1497.9	1498.9	1499.8	1498.9	1497.9	1496.9
165°	1512.9	1512.9	1512.9	1513.5	1514.8	1516.1	1517.4	1518.7	1517.4	1516.1	1514.8
167.5°	1527.1	1527.3	1527.4	1528.2	1529.5	1530.9	1532.2	1533.5	1532.2	1530.9	1529.5
170°	1535.6	1535.3	1535.1	1535.7	1537.3	1538.8	1540.4	1541.9	1540.4	1538.8	1537.3
172.5°	1541.2	1540.9	1540.6	1541.3	1542.8	1544.4	1545.9	1547.5	1545.9	1544.4	1542.8
175°	1547.2	1546.9	1546.7	1547.3	1548.9	1550.4	1552.0	1553.5	1552.0	1550.4	1548.9
177.5°	1550.8	1550.4	1550.0	1550.5	1552.0	1553.4	1554.9	1556.3	1554.9	1553.4	1552.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1296.2	1291.9	1286.4	1280.0	1272.4	1265.6	1262.6	1265.1	1266.4	1263.0	1262.6
5°	1256.7	1243.4	1232.8	1216.8	1204.1	1193.4	1186.0	1182.8	1183.9	1175.4	1173.2
7.5°	1212.4	1196.6	1179.2	1160.3	1142.6	1127.0	1118.8	1114.3	1105.3	1101.4	1094.9
10°	1183.9	1162.6	1145.6	1123.2	1103.0	1084.4	1075.4	1067.9	1058.9	1054.6	1045.6
12.5°	1154.5	1129.8	1111.1	1087.9	1067.3	1044.8	1036.2	1022.4	1008.3	999.3	987.7
15°	1113.1	1083.4	1060.5	1032.8	1008.4	982.8	960.0	934.4	924.9	904.7	893.0
17.5°	1064.7	1034.5	1006.2	969.1	931.4	899.7	875.3	850.8	836.2	823.3	817.3
20°	1032.8	1005.2	965.8	922.7	880.7	845.6	825.9	810.0	794.0	785.0	778.6
22.5°	1002.6	967.3	921.6	875.1	833.1	805.6	788.9	772.5	759.6	751.0	742.4
25°	952.0	905.7	857.3	804.1	775.4	751.5	733.4	720.1	712.1	701.0	696.7
27.5°	900.0	843.9	790.5	754.8	724.9	703.0	687.2	677.2	667.1	660.0	654.5
30°	860.0	803.1	755.2	721.2	690.9	672.8	660.0	648.3	640.3	634.5	630.2
32.5°	820.4	763.5	723.3	686.7	662.8	645.1	631.5	622.8	616.5	609.0	606.4
35°	763.2	712.7	677.6	644.6	620.1	604.2	593.5	584.5	579.2	577.0	575.4
37.5°	708.2	666.8	629.1	602.0	580.2	567.7	555.1	550.7	547.0	543.2	544.9
40°	673.3	634.5	601.0	572.3	554.7	540.9	533.4	528.1	524.9	524.9	524.9
42.5°	643.1	605.1	572.5	546.7	529.2	517.5	509.2	504.7	503.6	503.2	505.8
45°	596.2	561.1	528.1	506.8	491.9	480.2	475.5	471.7	471.7	473.9	474.4
47.5°	549.7	516.8	490.4	466.5	452.9	445.6	441.4	439.5	439.7	441.9	444.3
50°	521.2	488.8	462.7	441.4	428.7	421.7	418.0	417.0	418.0	418.0	421.7
52.5°	490.1	461.1	435.5	417.6	403.1	396.6	394.6	393.1	393.8	395.5	397.1
55°	444.6	418.6	394.1	377.1	366.4	362.2	357.4	357.9	356.9	357.9	357.9
57.5°	399.0	375.6	352.8	339.3	330.0	323.8	318.6	320.1	318.5	318.3	317.4
60°	369.6	344.1	326.0	313.8	303.1	297.8	293.0	294.1	292.5	291.4	289.3
62.5°	337.7	316.4	299.2	287.4	278.9	272.7	267.9	266.9	263.2	259.5	254.9
65°	291.4	273.9	258.5	247.3	239.3	234.5	230.8	227.6	219.6	211.1	206.9
67.5°	246.5	233.8	219.4	210.0	203.5	197.2	190.1	184.7	177.2	172.5	169.9
70°	217.5	205.3	193.1	184.0	177.1	171.3	163.3	159.6	154.2	152.1	149.4
72.5°	189.9	178.5	167.1	158.9	151.6	147.0	140.7	137.0	134.7	133.8	131.2
75°	147.9	138.8	130.3	122.9	117.0	113.8	111.2	108.5	107.4	102.6	100.0
77.5°	107.9	101.9	96.6	91.3	87.1	85.0	79.9	76.8	75.0	72.8	72.2
80°	84.0	79.8	74.5	71.3	65.4	63.3	61.2	60.6	60.1	59.6	59.0
82.5°	63.2	58.9	53.6	51.7	50.1	48.8	47.5	47.0	46.5	46.8	46.7
85°	31.9	29.8	29.8	29.3	28.7	28.2	27.7	27.7	27.1	27.7	27.1
87.5°	13.6	13.7	14.1	13.6	14.5	14.9	14.8	15.1	15.8	15.3	15.5
90°	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7	30.2	31.8	32.8
92.5°	15.3	16.4	18.4	20.5	22.6	24.6	26.2	27.7	29.3	30.8	31.7
95°	28.8	24.5	24.8	25.0	25.3	25.6	27.1	28.7	30.2	31.8	32.7
97.5°	157.6	145.9	117.1	88.3	59.5	30.7	30.8	31.0	31.1	31.3	31.5
100°	209.2	193.7	158.0	122.4	86.8	51.1	46.7	42.3	38.0	33.6	31.5
102.5°	265.5	264.9	260.3	255.6	251.0	246.3	199.0	151.6	104.3	56.9	33.3
105°	355.9	357.4	358.7	359.9	361.2	362.5	364.9	367.2	369.5	371.8	368.3
107.5°	443.7	445.0	446.7	448.5	450.2	452.0	453.1	454.3	455.4	456.5	457.6
110°	505.1	506.2	507.8	509.3	510.9	512.4	512.9	513.5	514.0	514.5	515.1



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	567.0	568.1	568.8	569.5	570.3	571.0	570.9	570.8	570.7	570.6	571.0
115°	656.1	656.4	656.1	655.9	655.6	655.3	655.9	656.4	656.9	657.4	657.7
117.5°	739.6	740.4	741.0	741.6	742.2	742.7	742.6	742.5	742.4	742.3	742.2
120°	795.4	795.8	795.6	795.3	795.0	794.8	795.3	795.8	796.3	796.8	796.8
122.5°	845.8	846.3	846.7	847.0	847.4	847.8	848.1	848.4	848.7	849.0	848.9
125°	922.1	922.3	921.8	921.3	920.8	920.3	921.0	921.8	922.6	923.4	923.9
127.5°	989.6	990.3	991.5	992.7	993.9	995.1	994.9	994.8	994.6	994.5	994.3
130°	1035.2	1035.7	1036.5	1037.2	1038.0	1038.8	1039.0	1039.3	1039.6	1039.8	1039.9
132.5°	1077.8	1078.6	1079.5	1080.5	1081.5	1082.5	1082.7	1083.0	1083.3	1083.5	1083.5
135°	1137.7	1138.1	1139.1	1140.1	1141.2	1142.2	1142.7	1143.2	1143.7	1144.3	1144.8
137.5°	1194.7	1195.3	1196.4	1197.6	1198.7	1199.8	1200.4	1201.0	1201.5	1202.1	1202.3
140°	1232.6	1233.1	1233.6	1234.1	1234.6	1235.2	1235.9	1236.7	1237.5	1238.3	1238.8
142.5°	1266.8	1267.4	1267.7	1268.0	1268.3	1268.6	1269.2	1269.8	1270.3	1270.9	1271.2
145°	1316.1	1316.5	1316.5	1316.5	1316.5	1316.5	1316.8	1317.0	1317.3	1317.5	1317.9
147.5°	1358.5	1359.1	1358.9	1358.6	1358.3	1358.1	1358.3	1358.5	1358.7	1358.9	1359.1
150°	1385.7	1386.1	1385.8	1385.6	1385.3	1385.0	1385.0	1385.0	1385.0	1385.0	1385.2
152.5°	1409.0	1409.2	1408.8	1408.3	1407.8	1407.4	1407.8	1408.2	1408.6	1409.0	1409.1
155°	1440.7	1440.4	1439.7	1438.9	1438.1	1437.3	1438.4	1439.4	1440.4	1441.5	1441.6
157.5°	1467.6	1467.1	1466.2	1465.4	1464.5	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0
160°	1481.9	1481.4	1481.1	1480.8	1480.6	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5
162.5°	1495.9	1495.3	1495.0	1494.8	1494.5	1494.3	1495.8	1497.4	1498.9	1500.5	1500.4
165°	1513.5	1512.9	1512.9	1512.9	1512.9	1512.9	1514.9	1517.0	1519.1	1521.1	1521.0
167.5°	1528.2	1527.4	1527.3	1527.1	1527.0	1526.8	1529.1	1531.4	1533.6	1535.9	1535.7
170°	1535.7	1535.1	1535.3	1535.6	1535.8	1536.1	1538.2	1540.2	1542.3	1544.4	1544.1
172.5°	1541.3	1540.6	1540.9	1541.2	1541.4	1541.7	1543.7	1545.8	1547.9	1549.9	1549.6
175°	1547.3	1546.7	1546.9	1547.2	1547.5	1547.7	1550.0	1552.4	1554.7	1557.0	1556.6
177.5°	1550.5	1550.0	1550.4	1550.8	1551.3	1551.7	1553.3	1555.0	1556.6	1558.3	1557.9
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1260.0	1260.9	1257.9	1257.0	1257.9	1260.9	1260.0	1262.6	1263.0	1266.4	1265.1
5°	1169.0	1167.9	1165.3	1165.8	1165.3	1167.9	1169.0	1173.2	1175.4	1183.9	1182.8
7.5°	1091.1	1087.0	1088.1	1083.9	1088.1	1087.0	1091.1	1094.9	1101.4	1105.3	1114.3
10°	1043.5	1037.6	1032.8	1028.6	1032.8	1037.6	1043.5	1045.6	1054.6	1058.9	1067.9
12.5°	978.4	973.4	966.9	968.2	966.9	973.4	978.4	987.7	999.3	1008.3	1022.4
15°	886.0	878.1	865.3	866.9	865.3	878.1	886.0	893.0	904.7	924.9	934.4
17.5°	807.9	808.0	802.1	803.5	802.1	808.0	807.9	817.3	823.3	836.2	850.8
20°	767.4	763.7	764.2	762.7	764.2	763.7	767.4	778.6	785.0	794.0	810.0
22.5°	739.4	734.8	731.1	727.8	731.1	734.8	739.4	742.4	751.0	759.6	772.5
25°	691.9	688.7	683.9	682.9	683.9	688.7	691.9	696.7	701.0	712.1	720.1
27.5°	650.2	649.6	647.7	645.2	647.7	649.6	650.2	654.5	660.0	667.1	677.2
30°	626.0	624.9	623.8	622.2	623.8	624.9	626.0	630.2	634.5	640.3	648.3
32.5°	604.3	603.6	602.6	602.7	602.6	603.6	604.3	606.4	609.0	616.5	622.8
35°	573.3	572.8	571.7	571.2	571.7	572.8	573.3	575.4	577.0	579.2	584.5
37.5°	544.4	545.8	545.1	545.0	545.1	545.8	544.4	544.9	543.2	547.0	550.7
40°	524.4	524.9	526.0	525.5	526.0	524.9	524.4	524.9	524.9	524.9	528.1
42.5°	507.8	507.9	509.4	507.6	509.4	507.9	507.8	505.8	503.2	503.6	504.7
45°	478.1	481.3	480.8	480.8	480.8	481.3	478.1	474.4	473.9	471.7	471.7
47.5°	445.7	448.4	449.2	449.1	449.2	448.4	445.7	444.3	441.9	439.7	439.5
50°	424.4	423.3	424.9	424.4	424.9	423.3	424.4	421.7	418.0	418.0	417.0
52.5°	398.5	398.7	398.6	398.0	398.6	398.7	398.5	397.1	395.5	393.8	393.1
55°	358.5	359.0	357.9	358.5	357.9	359.0	358.5	357.9	357.9	356.9	357.9
57.5°	315.1	312.5	313.6	312.3	313.6	312.5	315.1	317.4	318.3	318.5	320.1
60°	284.0	279.7	278.7	276.6	278.7	279.7	284.0	289.3	291.4	292.5	294.1
62.5°	249.1	246.1	242.5	244.2	242.5	246.1	249.1	254.9	259.5	263.2	266.9
65°	202.6	200.5	198.9	201.0	198.9	200.5	202.6	206.9	211.1	219.6	227.6
67.5°	167.7	166.6	166.6	165.5	166.6	166.6	167.7	169.9	172.5	177.2	184.7
70°	149.4	147.9	147.9	146.8	147.9	147.9	149.4	149.4	152.1	154.2	159.6
72.5°	130.7	129.1	129.6	128.9	129.6	129.1	130.7	131.2	133.8	134.7	137.0
75°	96.8	94.1	94.1	94.7	94.1	94.1	96.8	100.0	102.6	107.4	108.5
77.5°	72.2	71.7	72.4	71.5	72.4	71.7	72.2	72.2	72.8	75.0	76.8
80°	59.0	58.5	58.0	59.6	58.0	58.5	59.0	59.0	59.6	60.1	60.6
82.5°	45.8	45.7	45.6	47.7	45.6	45.7	45.8	46.7	46.8	46.5	47.0
85°	27.7	26.6	27.7	26.6	27.7	26.6	27.7	27.1	27.7	27.1	27.7
87.5°	16.4	16.1	15.8	16.3	15.8	16.1	16.4	15.5	15.3	15.8	15.1
90°	33.3	33.8	34.3	34.9	34.3	33.8	33.3	32.8	31.8	30.2	28.7
92.5°	31.8	31.9	32.0	32.1	32.0	31.9	31.8	31.7	30.8	29.3	27.7
95°	32.9	33.2	33.4	33.7	33.4	33.2	32.9	32.7	31.8	30.2	28.7
97.5°	31.8	32.0	32.3	32.5	32.3	32.0	31.8	31.5	31.3	31.1	31.0
100°	31.8	32.0	32.3	32.5	32.3	32.0	31.8	31.5	33.6	38.0	42.3
102.5°	33.3	33.4	33.4	33.5	33.4	33.4	33.3	33.3	56.9	104.3	151.6
105°	359.0	349.7	340.5	331.2	340.5	349.7	359.0	368.3	371.8	369.5	367.2
107.5°	458.6	459.6	460.5	461.5	460.5	459.6	458.6	457.6	456.5	455.4	454.3
110°	515.9	516.7	517.5	518.2	517.5	516.7	515.9	515.1	514.5	514.0	513.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	572.0	573.0	574.0	574.9	574.0	573.0	572.0	571.0	570.6	570.7	570.8
115°	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.4	656.9	656.4
117.5°	742.1	742.0	741.9	741.8	741.9	742.0	742.1	742.2	742.3	742.4	742.5
120°	796.3	795.8	795.3	794.8	795.3	795.8	796.3	796.8	796.8	796.3	795.8
122.5°	848.4	847.9	847.3	846.8	847.3	847.9	848.4	848.9	849.0	848.7	848.4
125°	924.1	924.4	924.7	924.9	924.7	924.4	924.1	923.9	923.4	922.6	921.8
127.5°	994.1	993.9	993.7	993.5	993.7	993.9	994.1	994.3	994.5	994.6	994.8
130°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.8	1039.6	1039.3
132.5°	1083.3	1083.1	1082.9	1082.7	1082.9	1083.1	1083.3	1083.5	1083.5	1083.3	1083.0
135°	1145.3	1145.8	1146.3	1146.8	1146.3	1145.8	1145.3	1144.8	1144.3	1143.7	1143.2
137.5°	1202.2	1202.0	1201.8	1201.7	1201.8	1202.0	1202.2	1202.3	1202.1	1201.5	1201.0
140°	1239.0	1239.3	1239.5	1239.8	1239.5	1239.3	1239.0	1238.8	1238.3	1237.5	1236.7
142.5°	1271.3	1271.3	1271.4	1271.4	1271.4	1271.3	1271.3	1271.2	1270.9	1270.3	1269.8
145°	1318.4	1318.9	1319.5	1320.0	1319.5	1318.9	1318.4	1317.9	1317.5	1317.3	1317.0
147.5°	1359.4	1359.7	1359.9	1360.2	1359.9	1359.7	1359.4	1359.1	1358.9	1358.7	1358.5
150°	1385.4	1385.7	1386.0	1386.2	1386.0	1385.7	1385.4	1385.2	1385.0	1385.0	1385.0
152.5°	1409.0	1408.8	1408.7	1408.5	1408.7	1408.8	1409.0	1409.1	1409.0	1408.6	1408.2
155°	1440.8	1440.0	1439.3	1438.5	1439.3	1440.0	1440.8	1441.6	1441.5	1440.4	1439.4
157.5°	1467.6	1466.3	1464.9	1463.6	1464.9	1466.3	1467.6	1469.0	1469.0	1467.6	1466.3
160°	1485.0	1483.4	1481.9	1480.3	1481.9	1483.4	1485.0	1486.5	1486.5	1485.0	1483.4
162.5°	1498.6	1496.9	1495.1	1493.3	1495.1	1496.9	1498.6	1500.4	1500.5	1498.9	1497.4
165°	1518.7	1516.3	1514.0	1511.7	1514.0	1516.3	1518.7	1521.0	1521.1	1519.1	1517.0
167.5°	1533.2	1530.6	1528.0	1525.4	1528.0	1530.6	1533.2	1535.7	1535.9	1533.6	1531.4
170°	1541.5	1538.9	1536.4	1533.8	1536.4	1538.9	1541.5	1544.1	1544.4	1542.3	1540.2
172.5°	1546.8	1544.0	1541.2	1538.4	1541.2	1544.0	1546.8	1549.6	1549.9	1547.9	1545.8
175°	1553.5	1550.4	1547.3	1544.2	1547.3	1550.4	1553.5	1556.6	1557.0	1554.7	1552.4
177.5°	1555.4	1552.9	1550.4	1548.0	1550.4	1552.9	1555.4	1557.9	1558.3	1556.6	1555.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1262.6	1265.6	1272.4	1280.0	1286.4	1291.9	1296.2	1302.1	1307.7	1315.3	1322.6
5°	1186.0	1193.4	1204.1	1216.8	1232.8	1243.4	1256.7	1268.4	1285.4	1302.5	1319.0
7.5°	1118.8	1127.0	1142.6	1160.3	1179.2	1196.6	1212.4	1233.0	1255.6	1280.3	1308.0
10°	1075.4	1084.4	1103.0	1123.2	1145.6	1162.6	1183.9	1208.3	1233.9	1264.2	1298.2
12.5°	1036.2	1044.8	1067.3	1087.9	1111.1	1129.8	1154.5	1179.4	1213.4	1246.3	1285.0
15°	960.0	982.8	1008.4	1032.8	1060.5	1083.4	1113.1	1138.7	1171.1	1217.4	1261.5
17.5°	875.3	899.7	931.4	969.1	1006.2	1034.5	1064.7	1096.4	1135.0	1182.3	1233.2
20°	825.9	845.6	880.7	922.7	965.8	1005.2	1032.8	1067.9	1107.8	1158.9	1211.5
22.5°	788.9	805.6	833.1	875.1	921.6	967.3	1002.6	1037.3	1081.4	1132.5	1189.8
25°	733.4	751.5	775.4	804.1	857.3	905.7	952.0	991.9	1038.7	1089.7	1153.6
27.5°	687.2	703.0	724.9	754.8	790.5	843.9	900.0	945.5	993.5	1048.3	1112.2
30°	660.0	672.8	690.9	721.2	755.2	803.1	860.0	913.2	961.6	1018.5	1084.9
32.5°	631.5	645.1	662.8	686.7	723.3	763.5	820.4	878.7	930.1	988.3	1053.5
35°	593.5	604.2	620.1	644.6	677.6	712.7	763.2	823.3	877.5	939.8	1002.0
37.5°	555.1	567.7	580.2	602.0	629.1	666.8	708.2	769.6	829.7	886.5	947.2
40°	533.4	540.9	554.7	572.3	601.0	634.5	673.3	733.4	793.5	849.9	911.0
42.5°	509.2	517.5	529.2	546.7	572.5	605.1	643.1	695.1	757.8	812.4	868.1
45°	475.5	480.2	491.9	506.8	528.1	561.1	596.2	642.5	701.5	753.6	802.5
47.5°	441.4	445.6	452.9	466.5	490.4	516.8	549.7	591.2	643.0	695.1	736.5
50°	418.0	421.7	428.7	441.4	462.7	488.8	521.2	558.4	604.7	654.7	689.3
52.5°	394.6	396.6	403.1	417.6	435.5	461.1	490.1	524.4	567.7	609.2	644.2
55°	357.4	362.2	366.4	377.1	394.1	418.6	444.6	477.1	510.6	545.7	575.4
57.5°	318.6	323.8	330.0	339.3	352.8	375.6	399.0	425.3	453.9	483.0	508.0
60°	293.0	297.8	303.1	313.8	326.0	344.1	369.6	392.5	414.3	440.9	465.9
62.5°	267.9	272.7	278.9	287.4	299.2	316.4	337.7	357.6	380.3	403.5	422.1
65°	230.8	234.5	239.3	247.3	258.5	273.9	291.4	306.9	327.1	344.1	361.1
67.5°	190.1	197.2	203.5	210.0	219.4	233.8	246.5	261.2	275.0	287.6	303.1
70°	163.3	171.3	177.1	184.0	193.1	205.3	217.5	227.6	238.8	251.0	264.9
72.5°	140.7	147.0	151.6	158.9	167.1	178.5	189.9	198.3	207.3	215.7	229.1
75°	111.2	113.8	117.0	122.9	130.3	138.8	147.9	155.3	160.6	168.1	177.6
77.5°	79.9	85.0	87.1	91.3	96.6	101.9	107.9	114.1	119.2	121.9	129.2
80°	61.2	63.3	65.4	71.3	74.5	79.8	84.0	89.9	92.0	94.7	101.6
82.5°	47.5	48.8	50.1	51.7	53.6	58.9	63.2	66.9	69.0	70.0	75.2
85°	27.7	28.2	28.7	29.3	29.8	29.8	31.9	34.6	38.3	38.3	39.9
87.5°	14.8	14.9	14.5	13.6	14.1	13.7	13.6	13.0	13.7	14.5	15.2
90°	27.1	25.6	23.5	21.4	19.4	17.3	14.8	12.0	9.2	6.3	3.5
92.5°	26.2	24.6	22.6	20.5	18.4	16.4	15.3	15.1	15.0	14.8	14.6
95°	27.1	25.6	25.3	25.0	24.8	24.5	28.8	37.6	46.3	55.1	63.9
97.5°	30.8	30.7	59.5	88.3	117.1	145.9	157.6	152.1	146.7	141.2	135.7
100°	46.7	51.1	86.8	122.4	158.0	193.7	209.2	204.5	199.9	195.2	190.6
102.5°	199.0	246.3	251.0	255.6	260.3	264.9	265.5	262.1	258.7	255.3	251.9
105°	364.9	362.5	361.2	359.9	358.7	357.4	355.9	354.4	352.8	351.3	349.7
107.5°	453.1	452.0	450.2	448.5	446.7	445.0	443.7	442.9	442.2	441.4	440.6
110°	512.9	512.4	510.9	509.3	507.8	506.2	505.1	504.3	503.5	502.7	502.0



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	570.9	571.0	570.3	569.5	568.8	568.1	567.0	565.6	564.2	562.9	561.5
115°	655.9	655.3	655.6	655.9	656.1	656.4	656.1	655.3	654.6	653.8	653.0
117.5°	742.6	742.7	742.2	741.6	741.0	740.4	739.6	738.6	737.6	736.5	735.5
120°	795.3	794.8	795.0	795.3	795.6	795.8	795.4	794.4	793.4	792.3	791.3
122.5°	848.1	847.8	847.4	847.0	846.7	846.3	845.8	845.2	844.6	844.0	843.3
125°	921.0	920.3	920.8	921.3	921.8	922.3	922.1	921.0	920.0	919.0	917.9
127.5°	994.9	995.1	993.9	992.7	991.5	990.3	989.6	989.4	989.1	988.8	988.6
130°	1039.0	1038.8	1038.0	1037.2	1036.5	1035.7	1035.2	1034.9	1034.7	1034.4	1034.1
132.5°	1082.7	1082.5	1081.5	1080.5	1079.5	1078.6	1077.8	1077.4	1076.9	1076.4	1076.0
135°	1142.7	1142.2	1141.2	1140.1	1139.1	1138.1	1137.7	1137.9	1138.2	1138.5	1138.7
137.5°	1200.4	1199.8	1198.7	1197.6	1196.4	1195.3	1194.7	1194.6	1194.5	1194.4	1194.3
140°	1235.9	1235.2	1234.6	1234.1	1233.6	1233.1	1232.6	1232.1	1231.5	1231.0	1230.5
142.5°	1269.2	1268.6	1268.3	1268.0	1267.7	1267.4	1266.8	1265.8	1264.9	1264.0	1263.0
145°	1316.8	1316.5	1316.5	1316.5	1316.5	1316.5	1316.1	1315.3	1314.6	1313.8	1313.0
147.5°	1358.3	1358.1	1358.3	1358.6	1358.9	1359.1	1358.5	1357.1	1355.6	1354.2	1352.7
150°	1385.0	1385.0	1385.3	1385.6	1385.8	1386.1	1385.7	1384.7	1383.6	1382.6	1381.6
152.5°	1407.8	1407.4	1407.8	1408.3	1408.8	1409.2	1409.0	1408.2	1407.4	1406.6	1405.7
155°	1438.4	1437.3	1438.1	1438.9	1439.7	1440.4	1440.7	1440.4	1440.2	1439.9	1439.7
157.5°	1464.9	1463.6	1464.5	1465.4	1466.2	1467.1	1467.6	1467.8	1467.9	1468.1	1468.2
160°	1481.9	1480.3	1480.6	1480.8	1481.1	1481.4	1481.9	1482.7	1483.4	1484.2	1485.0
162.5°	1495.8	1494.3	1494.5	1494.8	1495.0	1495.3	1495.9	1496.9	1497.9	1498.9	1499.8
165°	1514.9	1512.9	1512.9	1512.9	1512.9	1512.9	1513.5	1514.8	1516.1	1517.4	1518.7
167.5°	1529.1	1526.8	1527.0	1527.1	1527.3	1527.4	1528.2	1529.5	1530.9	1532.2	1533.5
170°	1538.2	1536.1	1535.8	1535.6	1535.3	1535.1	1535.7	1537.3	1538.8	1540.4	1541.9
172.5°	1543.7	1541.7	1541.4	1541.2	1540.9	1540.6	1541.3	1542.8	1544.4	1545.9	1547.5
175°	1550.0	1547.7	1547.5	1547.2	1546.9	1546.7	1547.3	1548.9	1550.4	1552.0	1553.5
177.5°	1553.3	1551.7	1551.3	1550.8	1550.4	1550.0	1550.5	1552.0	1553.4	1554.9	1556.3
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1328.1	1331.9	1336.2	1344.3	1351.1	1354.1	1360.0	1364.3	1363.0	1368.9	1379.2
5°	1333.3	1347.7	1364.2	1381.2	1400.3	1416.3	1429.0	1441.8	1451.9	1464.1	1482.2
7.5°	1332.5	1358.0	1385.8	1416.3	1447.7	1474.8	1499.9	1525.4	1548.1	1572.9	1605.3
10°	1329.1	1363.1	1397.7	1437.6	1477.4	1515.2	1549.2	1581.2	1611.5	1643.9	1684.9
12.5°	1325.2	1364.4	1406.2	1454.1	1503.8	1549.2	1589.2	1635.2	1673.2	1715.0	1762.3
15°	1308.3	1361.0	1417.9	1480.1	1539.7	1600.8	1655.6	1712.0	1764.6	1814.6	1874.2
17.5°	1289.0	1349.7	1416.8	1490.3	1561.9	1636.2	1701.2	1772.3	1826.1	1893.2	1948.5
20°	1273.2	1338.6	1410.4	1492.9	1574.2	1656.7	1728.5	1800.8	1861.4	1929.0	1999.2
22.5°	1254.1	1325.9	1403.6	1489.0	1574.2	1664.3	1743.8	1815.7	1890.8	1966.8	2039.2
25°	1223.2	1297.7	1380.1	1473.7	1571.6	1663.6	1748.7	1838.0	1918.9	2001.3	2066.2
27.5°	1185.4	1263.5	1350.4	1447.0	1547.4	1641.7	1741.9	1837.1	1918.4	1997.8	2054.4
30°	1155.1	1237.6	1321.1	1418.9	1523.2	1624.2	1731.7	1826.9	1912.5	1983.8	2015.7
32.5°	1124.1	1202.3	1288.3	1387.5	1494.2	1603.0	1709.5	1806.9	1886.1	1928.9	1929.7
35°	1070.1	1143.4	1232.8	1330.1	1439.7	1557.8	1665.7	1761.4	1809.8	1813.6	1761.4
37.5°	1011.1	1078.5	1162.8	1260.2	1380.2	1497.7	1608.0	1671.8	1687.9	1633.8	1537.4
40°	969.0	1031.2	1112.6	1212.6	1331.7	1453.0	1553.5	1600.3	1583.3	1495.5	1388.1
42.5°	924.8	982.7	1061.1	1159.8	1279.4	1401.9	1487.5	1512.7	1467.6	1366.2	1240.5
45°	852.5	905.7	983.4	1082.8	1197.7	1312.6	1377.5	1364.7	1289.7	1169.5	1028.6
47.5°	777.3	828.7	898.6	990.6	1108.2	1207.4	1251.3	1212.8	1106.1	973.9	859.2
50°	727.6	780.2	844.6	932.3	1039.7	1135.5	1163.7	1105.2	986.6	859.4	754.1
52.5°	678.6	723.6	786.7	871.5	974.2	1055.1	1070.1	1002.6	880.2	766.3	672.9
55°	604.2	645.1	698.3	778.1	866.9	935.5	927.5	840.8	729.7	632.4	559.0
57.5°	532.2	563.0	612.1	686.9	764.9	810.9	781.8	707.9	604.3	524.6	462.7
60°	484.5	513.2	559.0	624.4	693.0	719.0	694.6	614.3	532.4	459.5	407.4
62.5°	439.4	464.7	504.1	564.8	620.2	635.7	609.5	539.4	465.6	403.3	360.2
65°	373.9	397.3	430.8	473.9	512.2	519.6	502.6	430.8	374.9	322.8	293.0
67.5°	314.4	329.7	355.9	393.1	413.5	417.8	384.9	339.8	290.6	258.6	236.1
70°	274.4	285.1	309.5	329.7	346.2	346.8	316.4	280.3	242.5	216.5	200.0
72.5°	235.7	245.9	264.4	278.3	290.9	286.8	259.0	230.5	200.0	180.3	168.1
75°	181.9	190.9	200.5	206.9	206.9	201.6	181.4	160.1	142.5	130.8	127.1
77.5°	132.2	139.7	142.9	141.9	140.0	131.7	118.9	105.0	98.7	93.2	90.4
80°	103.7	106.9	108.0	105.3	102.1	92.5	84.0	78.2	72.3	70.2	69.1
82.5°	76.9	79.7	76.9	77.6	70.6	62.8	58.1	56.1	53.6	52.8	51.7
85°	41.0	40.4	39.4	36.7	31.9	30.8	30.3	29.8	28.7	29.3	28.2
87.5°	15.3	14.6	13.5	13.6	14.1	13.7	14.5	14.9	15.3	15.2	16.4
90°	6.3	9.2	12.0	14.8	17.3	19.4	21.4	23.5	25.6	27.1	28.7
92.5°	14.8	15.0	15.1	15.3	16.4	18.4	20.5	22.6	24.6	26.2	27.7
95°	55.1	46.3	37.6	28.8	24.5	24.8	25.0	25.3	25.6	27.1	28.7
97.5°	141.2	146.7	152.1	157.6	145.9	117.1	88.3	59.5	30.7	30.8	31.0
100°	195.2	199.9	204.5	209.2	193.7	158.0	122.4	86.8	51.1	46.7	42.3
102.5°	255.3	258.7	262.1	265.5	264.9	260.3	255.6	251.0	246.3	199.0	151.6
105°	351.3	352.8	354.4	355.9	357.4	358.7	359.9	361.2	362.5	364.9	367.2
107.5°	441.4	442.2	442.9	443.7	445.0	446.7	448.5	450.2	452.0	453.1	454.3
110°	502.7	503.5	504.3	505.1	506.2	507.8	509.3	510.9	512.4	512.9	513.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	562.9	564.2	565.6	567.0	568.1	568.8	569.5	570.3	571.0	570.9	570.8
115°	653.8	654.6	655.3	656.1	656.4	656.1	655.9	655.6	655.3	655.9	656.4
117.5°	736.5	737.6	738.6	739.6	740.4	741.0	741.6	742.2	742.7	742.6	742.5
120°	792.3	793.4	794.4	795.4	795.8	795.6	795.3	795.0	794.8	795.3	795.8
122.5°	844.0	844.6	845.2	845.8	846.3	846.7	847.0	847.4	847.8	848.1	848.4
125°	919.0	920.0	921.0	922.1	922.3	921.8	921.3	920.8	920.3	921.0	921.8
127.5°	988.8	989.1	989.4	989.6	990.3	991.5	992.7	993.9	995.1	994.9	994.8
130°	1034.4	1034.7	1034.9	1035.2	1035.7	1036.5	1037.2	1038.0	1038.8	1039.0	1039.3
132.5°	1076.4	1076.9	1077.4	1077.8	1078.6	1079.5	1080.5	1081.5	1082.5	1082.7	1083.0
135°	1138.5	1138.2	1137.9	1137.7	1138.1	1139.1	1140.1	1141.2	1142.2	1142.7	1143.2
137.5°	1194.4	1194.5	1194.6	1194.7	1195.3	1196.4	1197.6	1198.7	1199.8	1200.4	1201.0
140°	1231.0	1231.5	1232.1	1232.6	1233.1	1233.6	1234.1	1234.6	1235.2	1235.9	1236.7
142.5°	1264.0	1264.9	1265.8	1266.8	1267.4	1267.7	1268.0	1268.3	1268.6	1269.2	1269.8
145°	1313.8	1314.6	1315.3	1316.1	1316.5	1316.5	1316.5	1316.5	1316.5	1316.8	1317.0
147.5°	1354.2	1355.6	1357.1	1358.5	1359.1	1358.9	1358.6	1358.3	1358.1	1358.3	1358.5
150°	1382.6	1383.6	1384.7	1385.7	1386.1	1385.8	1385.6	1385.3	1385.0	1385.0	1385.0
152.5°	1406.6	1407.4	1408.2	1409.0	1409.2	1408.8	1408.3	1407.8	1407.4	1407.8	1408.2
155°	1439.9	1440.2	1440.4	1440.7	1440.4	1439.7	1438.9	1438.1	1437.3	1438.4	1439.4
157.5°	1468.1	1467.9	1467.8	1467.6	1467.1	1466.2	1465.4	1464.5	1463.6	1464.9	1466.3
160°	1484.2	1483.4	1482.7	1481.9	1481.4	1481.1	1480.8	1480.6	1480.3	1481.9	1483.4
162.5°	1498.9	1497.9	1496.9	1495.9	1495.3	1495.0	1494.8	1494.5	1494.3	1495.8	1497.4
165°	1517.4	1516.1	1514.8	1513.5	1512.9	1512.9	1512.9	1512.9	1512.9	1514.9	1517.0
167.5°	1532.2	1530.9	1529.5	1528.2	1527.4	1527.3	1527.1	1527.0	1526.8	1529.1	1531.4
170°	1540.4	1538.8	1537.3	1535.7	1535.1	1535.3	1535.6	1535.8	1536.1	1538.2	1540.2
172.5°	1545.9	1544.4	1542.8	1541.3	1540.6	1540.9	1541.2	1541.4	1541.7	1543.7	1545.8
175°	1552.0	1550.4	1548.9	1547.3	1546.7	1546.9	1547.2	1547.5	1547.7	1550.0	1552.4
177.5°	1554.9	1553.4	1552.0	1550.5	1550.0	1550.4	1550.8	1551.3	1551.7	1553.3	1555.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1384.7	1386.4	1387.7	1391.9	1392.3	1396.2	1392.3
5°	1499.2	1506.7	1518.4	1530.1	1531.2	1538.6	1525.3
7.5°	1627.7	1645.0	1655.7	1674.6	1682.1	1686.8	1679.1
10°	1716.2	1732.2	1760.4	1774.2	1788.0	1790.2	1783.8
12.5°	1801.8	1827.1	1849.3	1875.5	1874.8	1893.6	1886.7
15°	1915.7	1941.7	1972.6	2001.8	2012.5	2012.5	2021.0
17.5°	1996.9	2044.7	2076.6	2099.6	2124.7	2129.0	2126.1
20°	2051.8	2103.4	2137.5	2167.2	2184.3	2189.0	2189.0
22.5°	2092.7	2136.6	2169.8	2196.6	2210.6	2216.3	2214.6
25°	2121.0	2158.7	2178.9	2186.9	2190.6	2189.6	2179.5
27.5°	2082.2	2080.5	2067.8	2043.3	2024.9	2013.7	2001.0
30°	2008.2	1980.6	1948.7	1913.5	1868.3	1833.8	1823.1
32.5°	1898.0	1835.9	1781.9	1723.4	1674.8	1640.2	1625.7
35°	1684.9	1586.5	1506.2	1436.0	1384.9	1353.0	1342.4
37.5°	1431.9	1336.7	1237.3	1169.2	1126.9	1094.6	1082.6
40°	1271.1	1167.4	1080.7	1016.9	973.3	941.9	941.4
42.5°	1124.3	1025.3	943.7	897.7	850.7	830.0	829.9
45°	920.6	841.4	772.2	736.1	707.9	690.9	686.1
47.5°	762.2	696.7	650.6	621.8	598.8	588.0	581.0
50°	673.3	615.9	579.2	554.2	541.4	527.6	526.5
52.5°	599.3	552.9	524.3	504.0	487.8	479.5	479.7
55°	503.6	467.0	446.7	431.3	418.6	412.2	409.5
57.5°	424.3	396.8	382.1	367.9	362.5	357.5	356.1
60°	374.9	356.3	342.5	331.3	323.4	321.8	321.2
62.5°	334.1	314.6	305.1	296.4	290.6	288.1	287.2
65°	275.5	261.1	252.6	245.7	243.6	239.9	239.3
67.5°	222.1	213.5	207.8	203.1	200.2	200.0	200.0
70°	189.3	184.5	179.8	177.1	175.5	174.4	174.4
72.5°	161.3	157.7	153.8	152.4	152.1	151.0	150.6
75°	122.9	119.1	119.7	117.0	114.9	112.2	110.6
77.5°	87.1	84.5	83.9	83.6	81.8	81.5	82.3
80°	67.5	64.9	64.4	64.9	64.4	62.8	62.8
82.5°	51.4	49.1	48.6	48.3	47.8	48.3	47.4
85°	27.7	26.6	26.6	26.6	27.7	27.1	26.6
87.5°	15.8	15.7	16.3	16.0	16.1	15.8	16.3
90°	30.2	31.8	32.8	33.3	33.8	34.3	34.9
92.5°	29.3	30.8	31.7	31.8	31.9	32.0	32.1
95°	30.2	31.8	32.7	32.9	33.2	33.4	33.7
97.5°	31.1	31.3	31.5	31.8	32.0	32.3	32.5
100°	38.0	33.6	31.5	31.8	32.0	32.3	32.5
102.5°	104.3	56.9	33.3	33.3	33.4	33.4	33.5
105°	369.5	371.8	368.3	359.0	349.7	340.5	331.2
107.5°	455.4	456.5	457.6	458.6	459.6	460.5	461.5
110°	514.0	514.5	515.1	515.9	516.7	517.5	518.2



TEST NUMBER: P332949

CATALOG NUMBER: SA4XXRDIP-C795D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	570.7	570.6	571.0	572.0	573.0	574.0	574.9
115°	656.9	657.4	657.7	657.7	657.7	657.7	657.7
117.5°	742.4	742.3	742.2	742.1	742.0	741.9	741.8
120°	796.3	796.8	796.8	796.3	795.8	795.3	794.8
122.5°	848.7	849.0	848.9	848.4	847.9	847.3	846.8
125°	922.6	923.4	923.9	924.1	924.4	924.7	924.9
127.5°	994.6	994.5	994.3	994.1	993.9	993.7	993.5
130°	1039.6	1039.8	1039.9	1039.9	1039.9	1039.9	1039.9
132.5°	1083.3	1083.5	1083.5	1083.3	1083.1	1082.9	1082.7
135°	1143.7	1144.3	1144.8	1145.3	1145.8	1146.3	1146.8
137.5°	1201.5	1202.1	1202.3	1202.2	1202.0	1201.8	1201.7
140°	1237.5	1238.3	1238.8	1239.0	1239.3	1239.5	1239.8
142.5°	1270.3	1270.9	1271.2	1271.3	1271.3	1271.4	1271.4
145°	1317.3	1317.5	1317.9	1318.4	1318.9	1319.5	1320.0
147.5°	1358.7	1358.9	1359.1	1359.4	1359.7	1359.9	1360.2
150°	1385.0	1385.0	1385.2	1385.4	1385.7	1386.0	1386.2
152.5°	1408.6	1409.0	1409.1	1409.0	1408.8	1408.7	1408.5
155°	1440.4	1441.5	1441.6	1440.8	1440.0	1439.3	1438.5
157.5°	1467.6	1469.0	1469.0	1467.6	1466.3	1464.9	1463.6
160°	1485.0	1486.5	1486.5	1485.0	1483.4	1481.9	1480.3
162.5°	1498.9	1500.5	1500.4	1498.6	1496.9	1495.1	1493.3
165°	1519.1	1521.1	1521.0	1518.7	1516.3	1514.0	1511.7
167.5°	1533.6	1535.9	1535.7	1533.2	1530.6	1528.0	1525.4
170°	1542.3	1544.4	1544.1	1541.5	1538.9	1536.4	1533.8
172.5°	1547.9	1549.9	1549.6	1546.8	1544.0	1541.2	1538.4
175°	1554.7	1557.0	1556.6	1553.5	1550.4	1547.3	1544.2
177.5°	1556.6	1558.3	1557.9	1555.4	1552.9	1550.4	1548.0
180°	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5	1553.5

(END OF REPORT)