

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: P332617

Luminaire Tested: **SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332617
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: SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

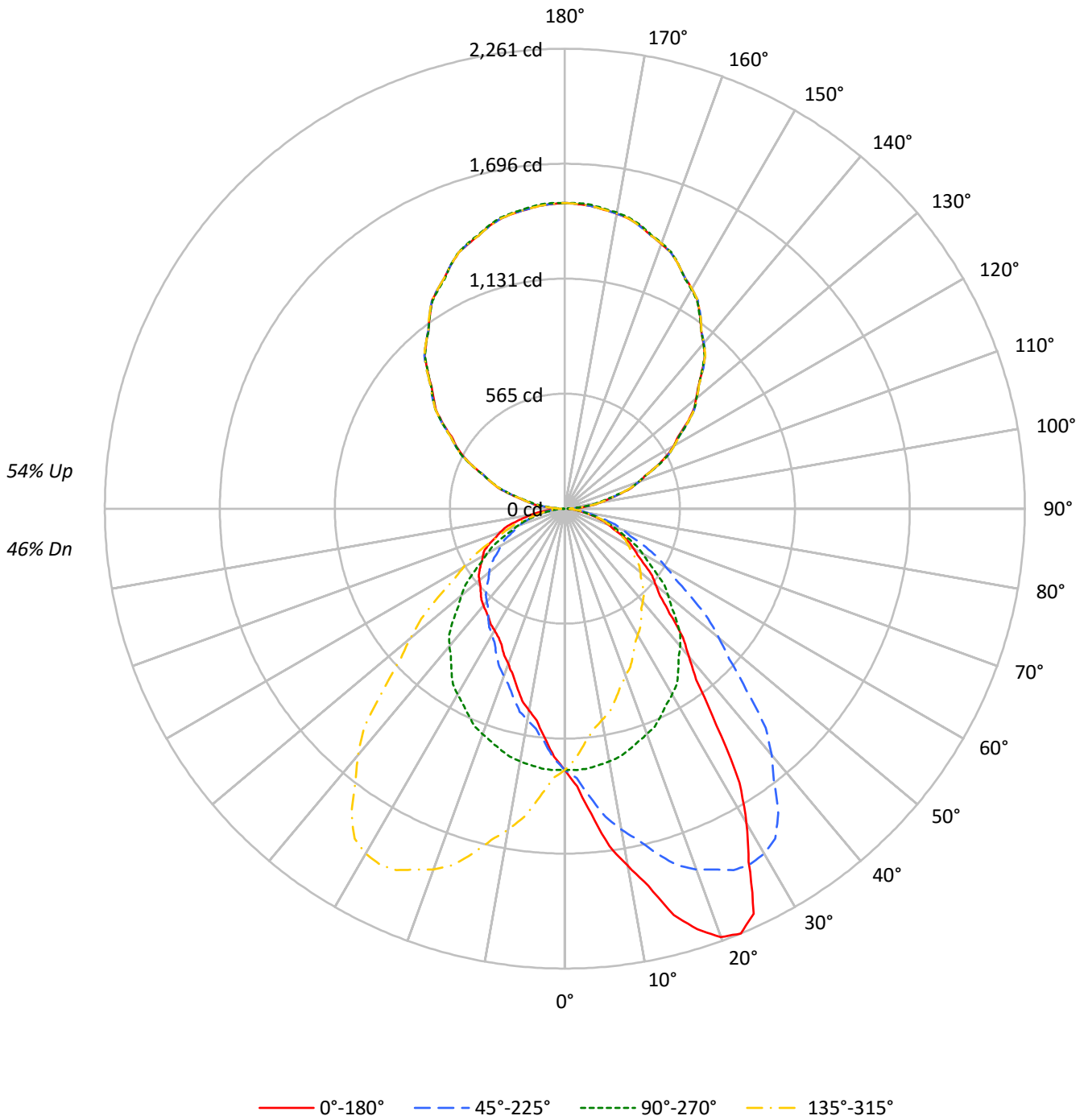
Lumens per Lamp: N/A
Luminaire Lumens: 7714.5 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46				46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45				39	
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38				33	
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	34	32				28	
4	74	64	56	50	68	59	52	47	49	44	40	41	37	34	33	30	28				24	
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25				21	
6	63	51	43	37	57	47	40	35	40	35	30	33	29	26	27	24	22				19	
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19				17	
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17				15	
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16				14	
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14				12	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	1.6
10°-20°	385.5	5.0
20°-30°	611.3	7.9
30°-40°	680.3	8.8
40°-50°	619.3	8.0
50°-60°	506.1	6.6
60°-70°	361.3	4.7
70°-80°	198.9	2.6
80°-90°	58.8	0.8
90°-100°	99.1	1.3
100°-110°	293.5	3.8
110°-120°	498.2	6.5
120°-130°	656.9	8.5
130°-140°	737.7	9.6
140°-150°	724.9	9.4
150°-160°	609.7	7.9
160°-170°	405.7	5.3
170°-180°	142.1	1.8
0°-30°	1121.9	14.5
0°-40°	1802.3	23.4
0°-60°	2927.7	38.0
0°-90°	3546.7	46.0
90°-120°	890.8	11.5
90°-150°	3010.3	39.0
90°-180°	4168.0	54.0
0°-180°	7714.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	40
90°	35	4	35	4	35	19
95°	92	70	92	70	92	96
105°	284	271	284	271	284	299
115°	502	506	502	506	502	496
125°	732	738	732	738	732	653
135°	953	952	953	952	953	736
145°	1157	1156	1157	1156	1157	724
155°	1323	1324	1323	1324	1323	609
165°	1438	1442	1438	1442	1438	405
175°	1493	1500	1493	1500	1493	142
180°	1502	1502	1502	1502	1502	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	16.3	17.5	17.4	17.7	18.5	18.7	18.8	18.1	19.5	19.6	20.9
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°	51.6	51.3	51.0	50.7	50.3	49.7	48.8	47.9	46.9	46.0	44.6
95°	91.8	91.8	91.8	91.8	91.8	91.4	90.6	89.8	89.1	88.3	86.5
97.5°	143.8	143.8	143.8	143.8	143.8	143.4	142.4	141.5	140.6	139.6	137.5
100°	180.1	180.1	180.1	180.1	180.1	179.8	179.3	178.8	178.3	177.8	175.4
102.5°	221.0	220.8	220.6	220.4	220.1	219.7	219.0	218.2	217.5	216.8	214.7
105°	283.5	282.7	281.9	281.2	280.4	279.6	278.8	278.1	277.3	276.5	275.5
107.5°	344.4	344.4	344.5	344.5	344.6	344.2	343.5	342.8	342.1	341.3	341.2
110°	388.0	387.3	386.5	385.7	384.9	384.8	385.3	385.8	386.4	386.9	387.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	432.7	432.5	432.3	432.2	432.0	432.0	432.1	432.2	432.3	432.4	432.9
115°	501.9	502.2	502.4	502.7	502.9	503.2	503.4	503.7	504.0	504.2	504.7
117.5°	567.9	568.4	568.9	569.4	570.0	570.6	571.5	572.4	573.3	574.2	574.5
120°	618.1	617.6	617.0	616.5	616.0	616.4	617.7	619.0	620.3	621.6	622.3
122.5°	659.9	660.8	661.8	662.7	663.6	664.5	665.4	666.3	667.2	668.0	668.4
125°	731.9	732.4	733.0	733.5	734.0	734.5	735.0	735.5	736.1	736.6	736.8
127.5°	798.6	799.0	799.4	799.9	800.3	800.7	801.3	801.8	802.3	802.8	803.2
130°	842.3	843.3	844.4	845.4	846.4	847.2	847.7	848.2	848.8	849.3	849.3
132.5°	888.8	889.2	889.6	890.0	890.4	890.9	891.4	891.9	892.4	893.0	893.2
135°	952.7	953.4	954.2	955.0	955.8	956.4	956.9	957.5	958.0	958.5	958.5
137.5°	1019.8	1019.7	1019.5	1019.4	1019.2	1019.5	1020.1	1020.8	1021.5	1022.1	1021.7
140°	1060.7	1061.0	1061.2	1061.5	1061.8	1062.0	1062.3	1062.5	1062.8	1063.0	1063.0
142.5°	1101.6	1101.7	1101.7	1101.8	1101.8	1101.9	1101.9	1102.0	1102.0	1102.1	1102.3
145°	1157.2	1157.9	1158.7	1159.5	1160.2	1160.8	1161.0	1161.3	1161.5	1161.8	1161.5
147.5°	1213.4	1213.6	1213.9	1214.2	1214.4	1214.6	1214.9	1215.1	1215.3	1215.5	1215.7
150°	1247.8	1248.0	1248.3	1248.5	1248.8	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9
152.5°	1279.4	1280.0	1280.7	1281.4	1282.1	1282.1	1281.5	1280.8	1280.2	1279.6	1279.4
155°	1323.3	1324.3	1325.4	1326.4	1327.4	1327.4	1326.4	1325.4	1324.3	1323.3	1323.5
157.5°	1362.6	1363.4	1364.3	1365.2	1366.1	1366.1	1365.3	1364.6	1363.8	1363.0	1363.1
160°	1384.9	1386.2	1387.4	1388.7	1390.0	1390.3	1389.5	1388.7	1388.0	1387.2	1387.4
162.5°	1408.1	1409.4	1410.7	1412.0	1413.3	1413.2	1411.8	1410.4	1409.0	1407.6	1407.9
165°	1438.3	1439.3	1440.4	1441.4	1442.4	1442.2	1440.6	1439.1	1437.5	1436.0	1436.5
167.5°	1459.9	1461.5	1463.1	1464.7	1466.3	1466.3	1464.8	1463.2	1461.7	1460.1	1460.1
170°	1472.0	1473.8	1475.6	1477.4	1479.2	1479.4	1477.8	1476.3	1474.7	1473.2	1472.9
172.5°	1482.2	1484.0	1485.8	1487.6	1489.5	1489.5	1487.7	1486.0	1484.2	1482.5	1482.4
175°	1492.9	1494.7	1496.5	1498.3	1500.1	1500.1	1498.3	1496.5	1494.7	1492.9	1493.2
177.5°	1498.5	1500.1	1501.8	1503.4	1505.1	1505.2	1503.8	1502.3	1500.9	1499.4	1499.4
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	20.5	20.5	19.6	17.4	15.6	13.7	12.8	11.8	12.8	13.7	14.7
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°	43.1	41.7	40.2	37.9	34.6	31.4	28.1	24.9	28.1	31.4	34.6
95°	84.7	82.9	81.1	79.0	76.7	74.4	72.0	69.7	72.0	74.4	76.7
97.5°	135.4	133.3	131.2	129.2	127.3	125.5	123.6	121.8	123.6	125.5	127.3
100°	173.1	170.8	168.5	166.8	165.7	164.7	163.7	162.7	163.7	164.7	165.7
102.5°	212.6	210.4	208.3	207.1	206.6	206.2	205.8	205.4	205.8	206.2	206.6
105°	274.4	273.4	272.4	271.7	271.5	271.2	271.0	270.7	271.0	271.2	271.5
107.5°	341.0	340.9	340.7	340.5	340.2	339.9	339.6	339.2	339.6	339.9	340.2
110°	387.4	387.7	387.9	387.8	387.3	386.7	386.2	385.7	386.2	386.7	387.3



TEST NUMBER: P332617

CATALOG NUMBER: SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	433.4	433.8	434.3	434.5	434.4	434.3	434.2	434.0	434.2	434.3	434.4
115°	505.3	505.8	506.3	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5
117.5°	574.9	575.2	575.6	575.7	575.5	575.3	575.1	574.9	575.1	575.3	575.5
120°	623.1	623.9	624.7	624.5	623.5	622.5	621.4	620.4	621.4	622.5	623.5
122.5°	668.8	669.1	669.5	669.5	669.0	668.6	668.2	667.8	668.2	668.6	669.0
125°	737.1	737.4	737.6	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7
127.5°	803.6	804.0	804.5	804.3	803.5	802.7	802.0	801.2	802.0	802.7	803.5
130°	849.3	849.3	849.3	848.9	848.1	847.3	846.6	845.8	846.6	847.3	848.1
132.5°	893.4	893.6	893.8	893.6	893.0	892.5	891.9	891.3	891.9	892.5	893.0
135°	958.5	958.5	958.5	957.7	956.2	954.6	953.1	951.5	953.1	954.6	956.2
137.5°	1021.3	1020.9	1020.5	1019.9	1019.2	1018.5	1017.8	1017.0	1017.8	1018.5	1019.2
140°	1063.0	1063.0	1063.0	1062.8	1062.3	1061.8	1061.2	1060.7	1061.2	1061.8	1062.3
142.5°	1102.5	1102.7	1102.9	1102.8	1102.2	1101.7	1101.2	1100.7	1101.2	1101.7	1102.2
145°	1161.3	1161.0	1160.8	1160.1	1159.1	1158.1	1157.0	1156.0	1157.0	1158.1	1159.1
147.5°	1215.9	1216.1	1216.3	1215.8	1214.5	1213.3	1212.1	1210.8	1212.1	1213.3	1214.5
150°	1248.9	1248.9	1248.9	1248.4	1247.4	1246.4	1245.3	1244.3	1245.3	1246.4	1247.4
152.5°	1279.2	1279.0	1278.8	1278.4	1277.7	1277.1	1276.5	1275.9	1276.5	1277.1	1277.7
155°	1323.8	1324.1	1324.3	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4	1324.4
157.5°	1363.1	1363.2	1363.2	1363.5	1364.0	1364.4	1364.9	1365.3	1364.9	1364.4	1364.0
160°	1387.7	1388.0	1388.2	1388.5	1388.7	1389.0	1389.3	1389.5	1389.3	1389.0	1388.7
162.5°	1408.2	1408.4	1408.7	1409.1	1409.8	1410.5	1411.1	1411.8	1411.1	1410.5	1409.8
165°	1437.0	1437.5	1438.0	1438.7	1439.5	1440.2	1441.0	1441.8	1441.0	1440.2	1439.5
167.5°	1460.0	1460.0	1459.9	1460.5	1461.5	1462.6	1463.7	1464.8	1463.7	1462.6	1461.5
170°	1472.6	1472.4	1472.1	1472.6	1473.9	1475.2	1476.5	1477.8	1476.5	1475.2	1473.9
172.5°	1482.4	1482.3	1482.2	1482.8	1483.8	1484.9	1486.0	1487.1	1486.0	1484.9	1483.8
175°	1493.4	1493.7	1493.9	1494.7	1496.0	1497.3	1498.6	1499.9	1498.6	1497.3	1496.0
177.5°	1499.4	1499.4	1499.4	1499.9	1501.0	1502.0	1503.0	1504.1	1503.0	1502.0	1501.0
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



TEST NUMBER: P332617

CATALOG NUMBER: SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	16.6	17.1	19.2	20.5	22.1	24.7	25.8	30.8	32.8	35.3	39.3
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°	37.9	40.2	41.7	43.1	44.6	46.0	46.9	47.9	48.8	49.7	50.3
95°	79.0	81.1	82.9	84.7	86.5	88.3	89.1	89.8	90.6	91.4	91.8
97.5°	129.2	131.2	133.3	135.4	137.5	139.6	140.6	141.5	142.4	143.4	143.8
100°	166.8	168.5	170.8	173.1	175.4	177.8	178.3	178.8	179.3	179.8	180.1
102.5°	207.1	208.3	210.4	212.6	214.7	216.8	217.5	218.2	219.0	219.7	220.1
105°	271.7	272.4	273.4	274.4	275.5	276.5	277.3	278.1	278.8	279.6	280.4
107.5°	340.5	340.7	340.9	341.0	341.2	341.3	342.1	342.8	343.5	344.2	344.6
110°	387.8	387.9	387.7	387.4	387.1	386.9	386.4	385.8	385.3	384.8	384.9



TEST NUMBER: P332617

CATALOG NUMBER: SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	434.5	434.3	433.8	433.4	432.9	432.4	432.3	432.2	432.1	432.0	432.0
115°	506.5	506.3	505.8	505.3	504.7	504.2	504.0	503.7	503.4	503.2	502.9
117.5°	575.7	575.6	575.2	574.9	574.5	574.2	573.3	572.4	571.5	570.6	570.0
120°	624.5	624.7	623.9	623.1	622.3	621.6	620.3	619.0	617.7	616.4	616.0
122.5°	669.5	669.5	669.1	668.8	668.4	668.0	667.2	666.3	665.4	664.5	663.6
125°	737.7	737.6	737.4	737.1	736.8	736.6	736.1	735.5	735.0	734.5	734.0
127.5°	804.3	804.5	804.0	803.6	803.2	802.8	802.3	801.8	801.3	800.7	800.3
130°	848.9	849.3	849.3	849.3	849.3	849.3	848.8	848.2	847.7	847.2	846.4
132.5°	893.6	893.8	893.6	893.4	893.2	893.0	892.4	891.9	891.4	890.9	890.4
135°	957.7	958.5	958.5	958.5	958.5	958.5	958.0	957.5	956.9	956.4	955.8
137.5°	1019.9	1020.5	1020.9	1021.3	1021.7	1022.1	1021.5	1020.8	1020.1	1019.5	1019.2
140°	1062.8	1063.0	1063.0	1063.0	1063.0	1063.0	1062.8	1062.5	1062.3	1062.0	1061.8
142.5°	1102.8	1102.9	1102.7	1102.5	1102.3	1102.1	1102.0	1102.0	1101.9	1101.9	1101.8
145°	1160.1	1160.8	1161.0	1161.3	1161.5	1161.8	1161.5	1161.3	1161.0	1160.8	1160.2
147.5°	1215.8	1216.3	1216.1	1215.9	1215.7	1215.5	1215.3	1215.1	1214.9	1214.6	1214.4
150°	1248.4	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.8
152.5°	1278.4	1278.8	1279.0	1279.2	1279.4	1279.6	1280.2	1280.8	1281.5	1282.1	1282.1
155°	1324.4	1324.3	1324.1	1323.8	1323.5	1323.3	1324.3	1325.4	1326.4	1327.4	1327.4
157.5°	1363.5	1363.2	1363.2	1363.1	1363.1	1363.0	1363.8	1364.6	1365.3	1366.1	1366.1
160°	1388.5	1388.2	1388.0	1387.7	1387.4	1387.2	1388.0	1388.7	1389.5	1390.3	1390.0
162.5°	1409.1	1408.7	1408.4	1408.2	1407.9	1407.6	1409.0	1410.4	1411.8	1413.2	1413.3
165°	1438.7	1438.0	1437.5	1437.0	1436.5	1436.0	1437.5	1439.1	1440.6	1442.2	1442.4
167.5°	1460.5	1459.9	1460.0	1460.0	1460.1	1460.1	1461.7	1463.2	1464.8	1466.3	1466.3
170°	1472.6	1472.1	1472.4	1472.6	1472.9	1473.2	1474.7	1476.3	1477.8	1479.4	1479.2
172.5°	1482.8	1482.2	1482.3	1482.4	1482.4	1482.5	1484.2	1486.0	1487.7	1489.5	1489.5
175°	1494.7	1493.9	1493.7	1493.4	1493.2	1492.9	1494.7	1496.5	1498.3	1500.1	1500.1
177.5°	1499.9	1499.4	1499.4	1499.4	1499.4	1499.4	1500.9	1502.3	1503.8	1505.2	1505.1
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



TEST NUMBER: P332617

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	40.7	41.2	42.6	43.6	42.6	41.2	40.7	39.3	35.3	32.8	30.8
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°	50.7	51.0	51.3	51.6	51.3	51.0	50.7	50.3	49.7	48.8	47.9
95°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.4	90.6	89.8
97.5°	143.8	143.8	143.8	143.8	143.8	143.8	143.8	143.8	143.4	142.4	141.5
100°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	179.8	179.3	178.8
102.5°	220.4	220.6	220.8	221.0	220.8	220.6	220.4	220.1	219.7	219.0	218.2
105°	281.2	281.9	282.7	283.5	282.7	281.9	281.2	280.4	279.6	278.8	278.1
107.5°	344.5	344.5	344.4	344.4	344.4	344.5	344.5	344.6	344.2	343.5	342.8
110°	385.7	386.5	387.3	388.0	387.3	386.5	385.7	384.9	384.8	385.3	385.8



TEST NUMBER: P332617

CATALOG NUMBER: SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	432.2	432.3	432.5	432.7	432.5	432.3	432.2	432.0	432.0	432.1	432.2
115°	502.7	502.4	502.2	501.9	502.2	502.4	502.7	502.9	503.2	503.4	503.7
117.5°	569.4	568.9	568.4	567.9	568.4	568.9	569.4	570.0	570.6	571.5	572.4
120°	616.5	617.0	617.6	618.1	617.6	617.0	616.5	616.0	616.4	617.7	619.0
122.5°	662.7	661.8	660.8	659.9	660.8	661.8	662.7	663.6	664.5	665.4	666.3
125°	733.5	733.0	732.4	731.9	732.4	733.0	733.5	734.0	734.5	735.0	735.5
127.5°	799.9	799.4	799.0	798.6	799.0	799.4	799.9	800.3	800.7	801.3	801.8
130°	845.4	844.4	843.3	842.3	843.3	844.4	845.4	846.4	847.2	847.7	848.2
132.5°	890.0	889.6	889.2	888.8	889.2	889.6	890.0	890.4	890.9	891.4	891.9
135°	955.0	954.2	953.4	952.7	953.4	954.2	955.0	955.8	956.4	956.9	957.5
137.5°	1019.4	1019.5	1019.7	1019.8	1019.7	1019.5	1019.4	1019.2	1019.5	1020.1	1020.8
140°	1061.5	1061.2	1061.0	1060.7	1061.0	1061.2	1061.5	1061.8	1062.0	1062.3	1062.5
142.5°	1101.8	1101.7	1101.7	1101.6	1101.7	1101.7	1101.8	1101.8	1101.9	1101.9	1102.0
145°	1159.5	1158.7	1157.9	1157.2	1157.9	1158.7	1159.5	1160.2	1160.8	1161.0	1161.3
147.5°	1214.2	1213.9	1213.6	1213.4	1213.6	1213.9	1214.2	1214.4	1214.6	1214.9	1215.1
150°	1248.5	1248.3	1248.0	1247.8	1248.0	1248.3	1248.5	1248.8	1248.9	1248.9	1248.9
152.5°	1281.4	1280.7	1280.0	1279.4	1280.0	1280.7	1281.4	1282.1	1282.1	1281.5	1280.8
155°	1326.4	1325.4	1324.3	1323.3	1324.3	1325.4	1326.4	1327.4	1327.4	1326.4	1325.4
157.5°	1365.2	1364.3	1363.4	1362.6	1363.4	1364.3	1365.2	1366.1	1366.1	1365.3	1364.6
160°	1388.7	1387.4	1386.2	1384.9	1386.2	1387.4	1388.7	1390.0	1390.3	1389.5	1388.7
162.5°	1412.0	1410.7	1409.4	1408.1	1409.4	1410.7	1412.0	1413.3	1413.2	1411.8	1410.4
165°	1441.4	1440.4	1439.3	1438.3	1439.3	1440.4	1441.4	1442.4	1442.2	1440.6	1439.1
167.5°	1464.7	1463.1	1461.5	1459.9	1461.5	1463.1	1464.7	1466.3	1466.3	1464.8	1463.2
170°	1477.4	1475.6	1473.8	1472.0	1473.8	1475.6	1477.4	1479.2	1479.4	1477.8	1476.3
172.5°	1487.6	1485.8	1484.0	1482.2	1484.0	1485.8	1487.6	1489.5	1489.5	1487.7	1486.0
175°	1498.3	1496.5	1494.7	1492.9	1494.7	1496.5	1498.3	1500.1	1500.1	1498.3	1496.5
177.5°	1503.4	1501.8	1500.1	1498.5	1500.1	1501.8	1503.4	1505.1	1505.2	1503.8	1502.3
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



TEST NUMBER: P332617

CATALOG NUMBER: SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	25.8	24.7	22.1	20.5	19.2	17.1	16.6	14.7	13.7	12.8	11.8
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°	46.9	46.0	44.6	43.1	41.7	40.2	37.9	34.6	31.4	28.1	24.9
95°	89.1	88.3	86.5	84.7	82.9	81.1	79.0	76.7	74.4	72.0	69.7
97.5°	140.6	139.6	137.5	135.4	133.3	131.2	129.2	127.3	125.5	123.6	121.8
100°	178.3	177.8	175.4	173.1	170.8	168.5	166.8	165.7	164.7	163.7	162.7
102.5°	217.5	216.8	214.7	212.6	210.4	208.3	207.1	206.6	206.2	205.8	205.4
105°	277.3	276.5	275.5	274.4	273.4	272.4	271.7	271.5	271.2	271.0	270.7
107.5°	342.1	341.3	341.2	341.0	340.9	340.7	340.5	340.2	339.9	339.6	339.2
110°	386.4	386.9	387.1	387.4	387.7	387.9	387.8	387.3	386.7	386.2	385.7



TEST NUMBER: P332617

CATALOG NUMBER: SA4XXDIP-C795D1205U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	432.3	432.4	432.9	433.4	433.8	434.3	434.5	434.4	434.3	434.2	434.0
115°	504.0	504.2	504.7	505.3	505.8	506.3	506.5	506.5	506.5	506.5	506.5
117.5°	573.3	574.2	574.5	574.9	575.2	575.6	575.7	575.5	575.3	575.1	574.9
120°	620.3	621.6	622.3	623.1	623.9	624.7	624.5	623.5	622.5	621.4	620.4
122.5°	667.2	668.0	668.4	668.8	669.1	669.5	669.5	669.0	668.6	668.2	667.8
125°	736.1	736.6	736.8	737.1	737.4	737.6	737.7	737.7	737.7	737.7	737.7
127.5°	802.3	802.8	803.2	803.6	804.0	804.5	804.3	803.5	802.7	802.0	801.2
130°	848.8	849.3	849.3	849.3	849.3	849.3	848.9	848.1	847.3	846.6	845.8
132.5°	892.4	893.0	893.2	893.4	893.6	893.8	893.6	893.0	892.5	891.9	891.3
135°	958.0	958.5	958.5	958.5	958.5	958.5	957.7	956.2	954.6	953.1	951.5
137.5°	1021.5	1022.1	1021.7	1021.3	1020.9	1020.5	1019.9	1019.2	1018.5	1017.8	1017.0
140°	1062.8	1063.0	1063.0	1063.0	1063.0	1063.0	1062.8	1062.3	1061.8	1061.2	1060.7
142.5°	1102.0	1102.1	1102.3	1102.5	1102.7	1102.9	1102.8	1102.2	1101.7	1101.2	1100.7
145°	1161.5	1161.8	1161.5	1161.3	1161.0	1160.8	1160.1	1159.1	1158.1	1157.0	1156.0
147.5°	1215.3	1215.5	1215.7	1215.9	1216.1	1216.3	1215.8	1214.5	1213.3	1212.1	1210.8
150°	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.4	1247.4	1246.4	1245.3	1244.3
152.5°	1280.2	1279.6	1279.4	1279.2	1279.0	1278.8	1278.4	1277.7	1277.1	1276.5	1275.9
155°	1324.3	1323.3	1323.5	1323.8	1324.1	1324.3	1324.4	1324.4	1324.4	1324.4	1324.4
157.5°	1363.8	1363.0	1363.1	1363.1	1363.2	1363.2	1363.5	1364.0	1364.4	1364.9	1365.3
160°	1388.0	1387.2	1387.4	1387.7	1388.0	1388.2	1388.5	1388.7	1389.0	1389.3	1389.5
162.5°	1409.0	1407.6	1407.9	1408.2	1408.4	1408.7	1409.1	1409.8	1410.5	1411.1	1411.8
165°	1437.5	1436.0	1436.5	1437.0	1437.5	1438.0	1438.7	1439.5	1440.2	1441.0	1441.8
167.5°	1461.7	1460.1	1460.1	1460.0	1460.0	1459.9	1460.5	1461.5	1462.6	1463.7	1464.8
170°	1474.7	1473.2	1472.9	1472.6	1472.4	1472.1	1472.6	1473.9	1475.2	1476.5	1477.8
172.5°	1484.2	1482.5	1482.4	1482.4	1482.3	1482.2	1482.8	1483.8	1484.9	1486.0	1487.1
175°	1494.7	1492.9	1493.2	1493.4	1493.7	1493.9	1494.7	1496.0	1497.3	1498.6	1499.9
177.5°	1500.9	1499.4	1499.4	1499.4	1499.4	1499.4	1499.9	1501.0	1502.0	1503.0	1504.1
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



TEST NUMBER: P332617

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	12.8	13.7	15.6	17.4	19.6	20.5	20.5	20.9	19.6	19.5	18.1
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°	28.1	31.4	34.6	37.9	40.2	41.7	43.1	44.6	46.0	46.9	47.9
95°	72.0	74.4	76.7	79.0	81.1	82.9	84.7	86.5	88.3	89.1	89.8
97.5°	123.6	125.5	127.3	129.2	131.2	133.3	135.4	137.5	139.6	140.6	141.5
100°	163.7	164.7	165.7	166.8	168.5	170.8	173.1	175.4	177.8	178.3	178.8
102.5°	205.8	206.2	206.6	207.1	208.3	210.4	212.6	214.7	216.8	217.5	218.2
105°	271.0	271.2	271.5	271.7	272.4	273.4	274.4	275.5	276.5	277.3	278.1
107.5°	339.6	339.9	340.2	340.5	340.7	340.9	341.0	341.2	341.3	342.1	342.8
110°	386.2	386.7	387.3	387.8	387.9	387.7	387.4	387.1	386.9	386.4	385.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	434.2	434.3	434.4	434.5	434.3	433.8	433.4	432.9	432.4	432.3	432.2
115°	506.5	506.5	506.5	506.5	506.3	505.8	505.3	504.7	504.2	504.0	503.7
117.5°	575.1	575.3	575.5	575.7	575.6	575.2	574.9	574.5	574.2	573.3	572.4
120°	621.4	622.5	623.5	624.5	624.7	623.9	623.1	622.3	621.6	620.3	619.0
122.5°	668.2	668.6	669.0	669.5	669.5	669.1	668.8	668.4	668.0	667.2	666.3
125°	737.7	737.7	737.7	737.7	737.6	737.4	737.1	736.8	736.6	736.1	735.5
127.5°	802.0	802.7	803.5	804.3	804.5	804.0	803.6	803.2	802.8	802.3	801.8
130°	846.6	847.3	848.1	848.9	849.3	849.3	849.3	849.3	849.3	848.8	848.2
132.5°	891.9	892.5	893.0	893.6	893.8	893.6	893.4	893.2	893.0	892.4	891.9
135°	953.1	954.6	956.2	957.7	958.5	958.5	958.5	958.5	958.5	958.0	957.5
137.5°	1017.8	1018.5	1019.2	1019.9	1020.5	1020.9	1021.3	1021.7	1022.1	1021.5	1020.8
140°	1061.2	1061.8	1062.3	1062.8	1063.0	1063.0	1063.0	1063.0	1063.0	1062.8	1062.5
142.5°	1101.2	1101.7	1102.2	1102.8	1102.9	1102.7	1102.5	1102.3	1102.1	1102.0	1102.0
145°	1157.0	1158.1	1159.1	1160.1	1160.8	1161.0	1161.3	1161.5	1161.8	1161.5	1161.3
147.5°	1212.1	1213.3	1214.5	1215.8	1216.3	1216.1	1215.9	1215.7	1215.5	1215.3	1215.1
150°	1245.3	1246.4	1247.4	1248.4	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9	1248.9
152.5°	1276.5	1277.1	1277.7	1278.4	1278.8	1279.0	1279.2	1279.4	1279.6	1280.2	1280.8
155°	1324.4	1324.4	1324.4	1324.4	1324.3	1324.1	1323.8	1323.5	1323.3	1324.3	1325.4
157.5°	1364.9	1364.4	1364.0	1363.5	1363.2	1363.2	1363.1	1363.1	1363.0	1363.8	1364.6
160°	1389.3	1389.0	1388.7	1388.5	1388.2	1388.0	1387.7	1387.4	1387.2	1388.0	1388.7
162.5°	1411.1	1410.5	1409.8	1409.1	1408.7	1408.4	1408.2	1407.9	1407.6	1409.0	1410.4
165°	1441.0	1440.2	1439.5	1438.7	1438.0	1437.5	1437.0	1436.5	1436.0	1437.5	1439.1
167.5°	1463.7	1462.6	1461.5	1460.5	1459.9	1460.0	1460.0	1460.1	1460.1	1461.7	1463.2
170°	1476.5	1475.2	1473.9	1472.6	1472.1	1472.4	1472.6	1472.9	1473.2	1474.7	1476.3
172.5°	1486.0	1484.9	1483.8	1482.8	1482.2	1482.3	1482.4	1482.4	1482.5	1484.2	1486.0
175°	1498.6	1497.3	1496.0	1494.7	1493.9	1493.7	1493.4	1493.2	1492.9	1494.7	1496.5
177.5°	1503.0	1502.0	1501.0	1499.9	1499.4	1499.4	1499.4	1499.4	1499.4	1500.9	1502.3
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	18.8	18.7	18.5	17.7	17.4	17.5	16.3
90°	30.2	31.8	32.8	33.3	33.8	34.3	34.9
92.5°	48.8	49.7	50.3	50.7	51.0	51.3	51.6
95°	90.6	91.4	91.8	91.8	91.8	91.8	91.8
97.5°	142.4	143.4	143.8	143.8	143.8	143.8	143.8
100°	179.3	179.8	180.1	180.1	180.1	180.1	180.1
102.5°	219.0	219.7	220.1	220.4	220.6	220.8	221.0
105°	278.8	279.6	280.4	281.2	281.9	282.7	283.5
107.5°	343.5	344.2	344.6	344.5	344.5	344.4	344.4
110°	385.3	384.8	384.9	385.7	386.5	387.3	388.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	432.1	432.0	432.0	432.2	432.3	432.5	432.7
115°	503.4	503.2	502.9	502.7	502.4	502.2	501.9
117.5°	571.5	570.6	570.0	569.4	568.9	568.4	567.9
120°	617.7	616.4	616.0	616.5	617.0	617.6	618.1
122.5°	665.4	664.5	663.6	662.7	661.8	660.8	659.9
125°	735.0	734.5	734.0	733.5	733.0	732.4	731.9
127.5°	801.3	800.7	800.3	799.9	799.4	799.0	798.6
130°	847.7	847.2	846.4	845.4	844.4	843.3	842.3
132.5°	891.4	890.9	890.4	890.0	889.6	889.2	888.8
135°	956.9	956.4	955.8	955.0	954.2	953.4	952.7
137.5°	1020.1	1019.5	1019.2	1019.4	1019.5	1019.7	1019.8
140°	1062.3	1062.0	1061.8	1061.5	1061.2	1061.0	1060.7
142.5°	1101.9	1101.9	1101.8	1101.8	1101.7	1101.7	1101.6
145°	1161.0	1160.8	1160.2	1159.5	1158.7	1157.9	1157.2
147.5°	1214.9	1214.6	1214.4	1214.2	1213.9	1213.6	1213.4
150°	1248.9	1248.9	1248.8	1248.5	1248.3	1248.0	1247.8
152.5°	1281.5	1282.1	1282.1	1281.4	1280.7	1280.0	1279.4
155°	1326.4	1327.4	1327.4	1326.4	1325.4	1324.3	1323.3
157.5°	1365.3	1366.1	1366.1	1365.2	1364.3	1363.4	1362.6
160°	1389.5	1390.3	1390.0	1388.7	1387.4	1386.2	1384.9
162.5°	1411.8	1413.2	1413.3	1412.0	1410.7	1409.4	1408.1
165°	1440.6	1442.2	1442.4	1441.4	1440.4	1439.3	1438.3
167.5°	1464.8	1466.3	1466.3	1464.7	1463.1	1461.5	1459.9
170°	1477.8	1479.4	1479.2	1477.4	1475.6	1473.8	1472.0
172.5°	1487.7	1489.5	1489.5	1487.6	1485.8	1484.0	1482.2
175°	1498.3	1500.1	1500.1	1498.3	1496.5	1494.7	1492.9
177.5°	1503.8	1505.2	1505.1	1503.4	1501.8	1500.1	1498.5
180°	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2	1502.2

(END OF REPORT)