

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: P332800-935

Luminaire Tested: **S124DIW-S795D1560U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332800-935  
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: S124DIW-S795D1560U935-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7712.1 lumens  
Efficiency: N/A  
Efficacy: 113.2 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: Semi-Indirect

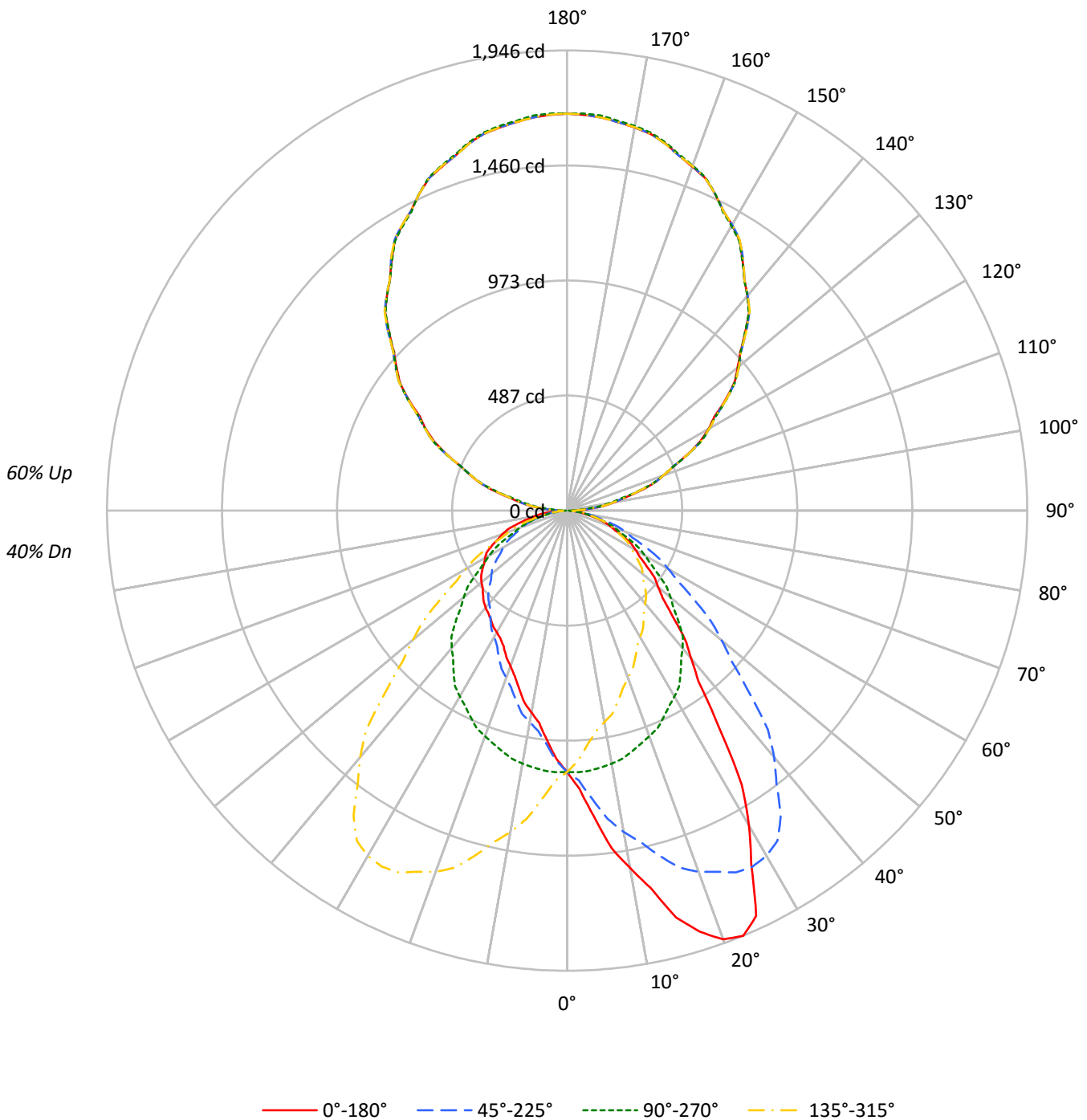
Input Watts (W): 68.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	49	45	42	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8924	8924	8924	8924
5°	10509	8947	7897	8947
10°	12582	8908	7110	8908
15°	14888	8818	6529	8818
20°	16578	8725	6010	8725
25°	16846	8590	5653	8590
30°	14334	8460	5540	8460
35°	11020	8250	5542	8250
40°	8590	8001	5647	8001
45°	7162	7628	5740	7628
50°	6303	7171	5936	7171
55°	5775	6625	6175	6625
60°	5412	6135	6462	6135
65°	5037	5589	6701	5589
70°	4605	5049	6852	5049
75°	4114	4442	6772	4442
80°	3450	3640	6555	3640
85°	2547	2631	6280	2631



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	1.4
10°-20°	331.9	4.3
20°-30°	526.4	6.8
30°-40°	585.8	7.6
40°-50°	533.2	6.9
50°-60°	435.7	5.6
60°-70°	311.1	4.0
70°-80°	171.3	2.2
80°-90°	51.8	0.7
90°-100°	110.7	1.4
100°-110°	328.0	4.3
110°-120°	556.7	7.2
120°-130°	734.0	9.5
130°-140°	824.4	10.7
140°-150°	810.1	10.5
150°-160°	681.3	8.8
160°-170°	453.3	5.9
170°-180°	158.7	2.1
0°-30°	966.0	12.5
0°-40°	1551.8	20.1
0°-60°	2520.7	32.7
0°-90°	3054.8	39.6
90°-120°	995.4	12.9
90°-150°	3363.9	43.6
90°-180°	4657.0	60.4
0°-180°	7712.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1105	1105	1105	1105	1105	
5°	1297	1104	974	1104	1297	132
15°	1781	1055	781	1055	1781	503
25°	1891	964	635	964	1891	834
35°	1118	837	562	837	1118	710
45°	627	668	503	668	627	494
55°	410	471	439	471	410	371
65°	264	293	351	293	264	261
75°	132	142	217	142	132	140
85°	28	28	68	28	28	35
90°	39	4	39	4	39	21
95°	102	78	102	78	102	107
105°	317	302	317	302	317	334
115°	561	566	561	566	561	554
125°	818	824	818	824	818	730
135°	1064	1063	1064	1063	1064	822
145°	1293	1292	1293	1292	1293	809
155°	1479	1480	1479	1480	1479	681
165°	1607	1611	1607	1611	1607	453
175°	1668	1676	1668	1676	1668	158
180°	1679	1679	1679	1679	1679	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1176.5	1176.1	1172.4	1171.7	1169.2	1165.9	1165.1	1159.3	1147.5	1142.0	1140.6
5°	1296.8	1306.0	1294.1	1291.8	1290.4	1275.3	1267.5	1258.4	1237.3	1224.9	1215.3
7.5°	1440.5	1441.5	1436.3	1432.1	1420.5	1407.2	1387.5	1366.4	1341.4	1315.2	1295.5
10°	1534.9	1538.6	1532.7	1531.7	1508.4	1493.7	1464.4	1439.7	1411.3	1379.7	1350.8
12.5°	1634.6	1629.4	1626.4	1606.8	1602.5	1575.8	1541.7	1516.2	1472.5	1436.1	1397.7
15°	1781.3	1771.2	1764.8	1737.8	1724.5	1687.4	1651.2	1623.3	1566.1	1511.6	1470.3
17.5°	1867.3	1877.4	1862.6	1851.5	1817.1	1791.1	1754.2	1695.6	1650.8	1583.1	1531.1
20°	1929.7	1930.5	1922.4	1910.9	1883.9	1850.9	1810.6	1746.5	1692.9	1625.6	1554.2
22.5°	1946.5	1946.7	1943.2	1932.5	1912.0	1885.3	1844.7	1791.1	1726.2	1653.0	1581.7
25°	1891.2	1889.4	1893.5	1905.4	1897.6	1889.4	1866.0	1826.2	1765.7	1688.3	1611.4
27.5°	1685.7	1698.3	1721.6	1750.8	1779.1	1800.6	1806.6	1798.5	1761.0	1697.4	1616.8
30°	1537.7	1553.2	1570.6	1599.9	1656.7	1689.3	1724.9	1752.0	1736.9	1686.0	1610.9
32.5°	1375.0	1378.9	1404.7	1438.0	1490.0	1552.6	1609.2	1664.1	1682.3	1655.6	1593.0
35°	1118.2	1124.6	1152.5	1185.5	1249.2	1325.7	1410.8	1486.9	1549.5	1574.8	1542.7
37.5°	912.5	930.9	950.6	986.1	1042.2	1110.9	1199.5	1297.8	1391.3	1454.0	1464.6
40°	815.1	826.6	840.8	867.7	915.3	983.2	1059.1	1171.8	1271.2	1360.9	1390.3
42.5°	738.1	744.9	753.5	778.0	814.2	881.7	951.1	1050.2	1150.0	1257.2	1306.3
45°	627.3	634.2	648.8	663.1	690.5	737.3	801.8	883.3	983.6	1087.1	1177.8
47.5°	547.3	551.7	560.4	575.6	598.9	629.7	682.3	750.4	843.3	943.7	1040.3
50°	501.9	505.5	512.4	526.2	544.0	571.4	614.5	678.2	751.0	852.2	946.9
52.5°	466.0	467.4	472.5	481.8	496.0	519.1	554.4	607.1	674.8	765.0	859.5
55°	410.3	412.2	416.7	423.6	435.9	450.6	477.6	516.9	576.1	654.4	736.3
57.5°	364.5	365.8	369.6	372.3	382.5	394.3	415.2	443.2	488.0	554.4	627.6
60°	335.2	334.2	338.9	341.1	348.0	358.1	374.1	401.1	440.1	493.6	560.9
62.5°	306.6	305.3	309.2	312.2	316.2	324.8	337.9	359.0	390.6	439.0	497.2
65°	263.7	261.9	264.2	267.9	271.6	276.1	285.8	304.5	329.7	364.5	408.9
67.5°	220.7	222.7	223.0	224.8	227.0	233.2	239.8	253.0	270.8	298.7	336.3
70°	195.1	195.5	197.3	197.3	198.7	204.2	209.7	217.5	234.9	260.5	291.2
72.5°	169.4	171.3	170.7	172.1	173.1	176.8	180.8	188.2	203.0	222.1	248.0
75°	131.9	133.3	133.3	133.7	135.1	136.5	139.7	145.2	155.7	169.9	187.8
77.5°	96.2	96.3	96.9	98.7	98.7	100.8	103.2	107.6	112.8	122.5	133.5
80°	74.2	75.1	74.6	75.6	75.6	77.4	78.3	83.8	86.1	92.5	101.2
82.5°	54.4	55.3	55.2	56.5	57.3	57.6	58.9	61.0	63.4	69.1	72.6
85°	27.5	28.4	27.5	28.4	29.8	30.2	31.6	32.0	33.9	35.3	38.5
87.5°	15.8	16.8	16.7	17.0	17.6	17.7	17.7	17.0	18.2	18.2	19.2
90°	38.9	38.4	37.8	37.2	36.7	35.5	33.8	32.0	30.3	28.6	26.3
92.5°	57.6	57.3	56.9	56.6	56.2	55.5	54.5	53.5	52.4	51.4	49.8
95°	102.5	102.5	102.5	102.5	102.5	102.1	101.3	100.4	99.5	98.7	96.7
97.5°	160.7	160.7	160.7	160.7	160.7	160.2	159.2	158.2	157.0	156.0	153.7
100°	201.2	201.2	201.2	201.2	201.2	201.0	200.4	199.8	199.2	198.6	196.0
102.5°	246.9	246.7	246.5	246.2	246.0	245.5	244.7	243.8	243.1	242.3	239.9
105°	316.8	315.9	315.0	314.2	313.3	312.5	311.6	310.7	309.9	309.0	307.8
107.5°	384.8	384.9	385.0	385.0	385.0	384.7	383.8	383.1	382.2	381.4	381.3
110°	433.6	432.7	431.9	431.0	430.2	430.0	430.6	431.2	431.7	432.3	432.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	483.5	483.3	483.1	482.9	482.8	482.8	482.8	482.9	483.1	483.2	483.7
115°	560.9	561.1	561.5	561.7	562.0	562.3	562.6	562.8	563.2	563.4	564.0
117.5°	634.6	635.2	635.8	636.3	636.9	637.7	638.7	639.6	640.6	641.6	642.0
120°	690.7	690.1	689.5	689.0	688.4	688.8	690.3	691.6	693.1	694.6	695.4
122.5°	737.4	738.5	739.5	740.5	741.6	742.6	743.6	744.5	745.5	746.5	746.9
125°	817.9	818.5	819.1	819.6	820.2	820.8	821.4	821.9	822.5	823.1	823.4
127.5°	892.4	892.9	893.4	893.8	894.2	894.8	895.4	896.0	896.5	897.1	897.6
130°	941.2	942.4	943.6	944.7	945.8	946.7	947.3	947.9	948.5	949.0	949.0
132.5°	993.2	993.6	994.1	994.5	995.0	995.5	996.1	996.7	997.3	997.8	998.1
135°	1064.5	1065.4	1066.3	1067.1	1068.0	1068.8	1069.4	1069.9	1070.5	1071.1	1071.1
137.5°	1139.6	1139.4	1139.3	1139.1	1138.9	1139.2	1140.0	1140.7	1141.4	1142.2	1141.8
140°	1185.3	1185.6	1185.9	1186.2	1186.5	1186.7	1187.1	1187.3	1187.6	1187.9	1187.9
142.5°	1231.0	1231.1	1231.1	1231.1	1231.2	1231.3	1231.3	1231.4	1231.5	1231.5	1231.7
145°	1293.0	1293.9	1294.8	1295.6	1296.5	1297.1	1297.4	1297.7	1298.0	1298.2	1298.0
147.5°	1355.9	1356.2	1356.5	1356.8	1357.0	1357.3	1357.5	1357.8	1358.0	1358.2	1358.5
150°	1394.3	1394.6	1394.9	1395.2	1395.5	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6
152.5°	1429.6	1430.4	1431.2	1431.8	1432.6	1432.6	1431.9	1431.2	1430.6	1429.9	1429.7
155°	1478.7	1479.9	1481.0	1482.1	1483.3	1483.3	1482.1	1481.0	1479.9	1478.7	1479.0
157.5°	1522.6	1523.5	1524.6	1525.5	1526.5	1526.6	1525.7	1524.8	1524.0	1523.1	1523.2
160°	1547.5	1548.9	1550.4	1551.9	1553.2	1553.6	1552.7	1551.9	1551.0	1550.1	1550.4
162.5°	1573.5	1574.9	1576.4	1577.8	1579.2	1579.2	1577.6	1576.1	1574.5	1573.0	1573.2
165°	1607.2	1608.3	1609.6	1610.7	1611.9	1611.5	1609.8	1608.1	1606.4	1604.6	1605.2
167.5°	1631.3	1633.1	1635.0	1636.8	1638.6	1638.6	1636.8	1635.1	1633.4	1631.7	1631.6
170°	1644.9	1646.9	1648.9	1651.0	1652.9	1653.1	1651.4	1649.7	1647.9	1646.1	1645.9
172.5°	1656.3	1658.3	1660.4	1662.3	1664.4	1664.4	1662.4	1660.5	1658.5	1656.6	1656.5
175°	1668.3	1670.3	1672.3	1674.3	1676.4	1676.4	1674.3	1672.3	1670.3	1668.3	1668.5
177.5°	1674.5	1676.4	1678.2	1680.0	1681.9	1682.0	1680.3	1678.8	1677.1	1675.5	1675.5
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1140.9	1135.8	1132.1	1129.2	1121.2	1116.4	1112.8	1107.6	1101.7	1095.5	1087.8
5°	1205.7	1190.1	1178.7	1161.2	1144.8	1131.0	1116.9	1104.1	1088.5	1071.5	1059.1
7.5°	1273.8	1250.6	1220.9	1195.2	1166.2	1141.0	1118.5	1095.5	1071.4	1048.2	1026.8
10°	1317.0	1287.2	1254.2	1215.3	1178.7	1146.2	1115.9	1086.7	1058.3	1029.8	1005.6
12.5°	1363.5	1326.4	1277.6	1232.2	1191.1	1147.6	1111.2	1075.3	1041.0	1011.2	982.8
15°	1425.9	1372.3	1316.0	1255.2	1201.1	1150.3	1100.4	1055.1	1016.6	977.1	949.7
17.5°	1464.3	1398.0	1333.6	1270.0	1204.6	1140.5	1086.7	1034.3	986.2	947.0	912.4
20°	1489.6	1423.7	1343.5	1279.9	1202.0	1136.1	1073.8	1015.6	965.3	923.6	887.9
22.5°	1511.6	1435.4	1355.2	1271.4	1193.9	1124.0	1055.8	997.3	945.9	902.0	867.7
25°	1523.5	1436.0	1349.0	1265.7	1177.8	1094.8	1033.0	964.4	909.4	863.2	826.6
27.5°	1524.7	1431.2	1332.8	1240.2	1149.4	1072.3	994.2	932.9	875.8	826.9	791.7
30°	1520.7	1423.2	1317.4	1217.1	1126.0	1042.2	974.5	907.6	849.5	800.9	764.2
32.5°	1507.9	1406.4	1297.6	1191.5	1097.1	1015.1	945.1	881.6	824.9	777.1	738.7
35°	1470.8	1370.5	1254.6	1144.4	1047.7	964.8	901.6	837.1	780.3	734.9	697.8
37.5°	1412.8	1322.2	1204.4	1090.2	995.3	912.1	849.5	791.1	739.9	693.8	655.8
40°	1362.3	1282.6	1164.5	1053.2	950.6	871.4	812.8	759.2	708.4	664.9	628.7
42.5°	1304.1	1234.6	1125.7	1007.8	908.9	829.3	772.1	724.0	676.1	635.9	599.8
45°	1200.1	1154.4	1051.8	942.9	839.8	764.7	710.2	668.1	627.8	588.4	558.2
47.5°	1080.7	1058.1	971.7	868.2	770.4	696.4	649.1	610.2	574.9	541.6	514.9
50°	1000.6	989.5	914.9	815.1	721.7	652.0	604.4	571.0	540.8	511.5	486.3
52.5°	921.4	921.0	853.8	762.3	675.9	608.8	561.5	530.4	504.2	480.4	457.7
55°	800.5	813.2	760.6	679.1	601.7	541.2	498.7	470.7	452.5	432.7	415.8
57.5°	689.3	710.6	667.2	595.4	530.8	475.1	438.1	417.1	397.5	385.6	373.3
60°	616.8	637.0	603.0	542.6	481.7	434.1	398.8	380.0	363.1	354.9	346.2
62.5°	552.3	570.3	545.2	489.1	436.3	390.5	360.8	342.7	331.2	322.3	316.5
65°	460.2	475.3	453.8	413.0	367.7	331.1	306.8	292.6	281.6	277.9	271.6
67.5°	372.0	385.7	374.1	339.5	303.2	275.3	256.4	242.8	236.3	233.1	228.5
70°	319.6	333.4	321.0	290.8	262.9	239.5	221.6	213.9	207.0	205.6	199.1
72.5°	275.3	284.6	272.2	248.7	224.7	205.1	191.2	183.0	179.5	177.0	173.6
75°	206.6	214.7	206.6	188.2	171.3	157.6	145.6	142.4	138.3	136.9	134.7
77.5°	146.2	153.3	147.0	135.5	122.9	112.3	105.9	101.8	100.8	98.4	99.5
80°	111.8	116.3	110.4	102.5	92.5	85.2	80.6	78.3	75.6	74.6	76.5
82.5°	80.2	82.2	79.2	74.0	66.5	61.7	58.6	56.0	55.4	55.6	55.6
85°	41.7	41.2	40.7	36.2	33.9	30.7	28.8	28.4	27.9	28.8	29.8
87.5°	18.7	18.6	17.8	15.8	14.0	12.3	11.3	10.3	11.3	12.3	13.3
90°	23.9	21.6	19.4	16.6	13.4	10.2	7.1	3.9	7.1	10.2	13.4
92.5°	48.2	46.6	44.9	42.4	38.7	35.0	31.4	27.8	31.4	35.0	38.7
95°	94.6	92.6	90.6	88.3	85.7	83.1	80.5	77.9	80.5	83.1	85.7
97.5°	151.3	149.0	146.6	144.4	142.3	140.2	138.1	136.0	138.1	140.2	142.3
100°	193.5	190.9	188.2	186.4	185.2	184.1	182.9	181.8	182.9	184.1	185.2
102.5°	237.5	235.1	232.8	231.4	230.9	230.5	230.0	229.5	230.0	230.5	230.9
105°	306.7	305.5	304.4	303.7	303.3	303.1	302.8	302.5	302.8	303.1	303.3
107.5°	381.1	380.9	380.7	380.5	380.1	379.8	379.4	379.1	379.4	379.8	380.1
110°	432.9	433.2	433.5	433.3	432.7	432.1	431.6	431.0	431.6	432.1	432.7





TEST NUMBER: P332800-935

CATALOG NUMBER: S124DIW-S795D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	484.2	484.7	485.3	485.5	485.3	485.3	485.2	485.0	485.2	485.3	485.3
115°	564.6	565.2	565.8	566.0	566.0	566.0	566.0	566.0	566.0	566.0	566.0
117.5°	642.4	642.8	643.3	643.3	643.1	642.8	642.6	642.4	642.6	642.8	643.1
120°	696.3	697.2	698.0	697.8	696.7	695.6	694.4	693.3	694.4	695.6	696.7
122.5°	747.3	747.7	748.1	748.0	747.6	747.2	746.7	746.2	746.7	747.2	747.6
125°	823.6	824.0	824.2	824.4	824.4	824.4	824.4	824.4	824.4	824.4	824.4
127.5°	898.0	898.5	899.0	898.7	897.9	897.0	896.1	895.3	896.1	897.0	897.9
130°	949.0	949.0	949.0	948.6	947.7	946.8	946.0	945.1	946.0	946.8	947.7
132.5°	998.3	998.5	998.8	998.6	997.9	997.3	996.7	996.0	996.7	997.3	997.9
135°	1071.1	1071.1	1071.1	1070.2	1068.5	1066.7	1065.0	1063.2	1065.0	1066.7	1068.5
137.5°	1141.3	1140.8	1140.4	1139.7	1138.9	1138.1	1137.3	1136.5	1137.3	1138.1	1138.9
140°	1187.9	1187.9	1187.9	1187.6	1187.1	1186.5	1185.9	1185.3	1185.9	1186.5	1187.1
142.5°	1232.0	1232.2	1232.4	1232.3	1231.7	1231.1	1230.5	1229.9	1230.5	1231.1	1231.7
145°	1297.7	1297.4	1297.1	1296.4	1295.2	1294.1	1292.9	1291.8	1292.9	1294.1	1295.2
147.5°	1358.7	1358.9	1359.2	1358.6	1357.2	1355.8	1354.4	1353.1	1354.4	1355.8	1357.2
150°	1395.6	1395.6	1395.6	1395.1	1393.9	1392.8	1391.5	1390.4	1391.5	1392.8	1393.9
152.5°	1429.4	1429.2	1429.0	1428.5	1427.8	1427.1	1426.4	1425.7	1426.4	1427.1	1427.8
155°	1479.3	1479.5	1479.9	1480.0	1480.0	1480.0	1480.0	1480.0	1480.0	1480.0	1480.0
157.5°	1523.2	1523.3	1523.4	1523.6	1524.1	1524.7	1525.2	1525.7	1525.2	1524.7	1524.1
160°	1550.7	1551.0	1551.3	1551.5	1551.9	1552.1	1552.4	1552.7	1552.4	1552.1	1551.9
162.5°	1573.6	1573.8	1574.1	1574.6	1575.4	1576.1	1576.9	1577.6	1576.9	1576.1	1575.4
165°	1605.8	1606.4	1607.0	1607.7	1608.5	1609.4	1610.2	1611.1	1610.2	1609.4	1608.5
167.5°	1631.5	1631.5	1631.4	1632.0	1633.2	1634.4	1635.6	1636.8	1635.6	1634.4	1633.2
170°	1645.6	1645.3	1645.0	1645.6	1647.0	1648.5	1649.9	1651.4	1649.9	1648.5	1647.0
172.5°	1656.5	1656.4	1656.3	1656.9	1658.1	1659.3	1660.5	1661.7	1660.5	1659.3	1658.1
175°	1668.8	1669.1	1669.4	1670.3	1671.7	1673.2	1674.6	1676.0	1674.6	1673.2	1671.7
177.5°	1675.5	1675.5	1675.5	1676.1	1677.2	1678.4	1679.6	1680.7	1679.6	1678.4	1677.2
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332800-935

CATALOG NUMBER: S124DIW-S795D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1084.2	1080.9	1076.1	1069.5	1064.0	1058.2	1056.7	1054.5	1058.9	1055.2	1054.1
5°	1048.6	1039.0	1026.7	1012.4	1004.2	992.3	990.0	985.4	980.9	980.4	975.8
7.5°	1011.0	996.9	980.7	966.2	952.8	939.8	931.3	929.4	922.7	918.8	914.2
10°	986.8	969.4	950.6	936.9	921.4	907.6	897.9	892.5	887.9	882.9	878.3
12.5°	958.2	939.7	924.3	909.4	890.9	880.5	864.6	855.1	854.2	854.3	842.4
15°	925.0	906.6	882.9	861.8	851.7	831.6	822.9	811.8	805.0	798.1	792.6
17.5°	887.0	864.2	845.6	821.4	802.2	786.2	774.7	768.1	757.8	748.0	741.0
20°	863.2	838.9	819.2	793.6	772.5	752.8	743.2	734.0	726.3	718.0	710.2
22.5°	839.0	813.6	789.5	764.7	745.0	724.3	715.0	702.5	695.1	690.5	682.8
25°	800.9	773.4	746.0	722.1	702.0	683.6	671.3	661.7	653.4	649.8	644.7
27.5°	759.5	732.2	705.7	678.6	655.7	642.5	632.6	625.3	620.5	615.7	613.5
30°	733.1	704.7	676.3	651.2	630.1	616.8	607.6	602.6	598.9	596.7	594.3
32.5°	706.4	678.4	648.5	625.5	606.7	594.9	587.9	582.8	581.0	580.1	579.4
35°	663.5	635.2	607.6	587.0	569.2	564.6	558.6	555.9	555.0	558.2	559.6
37.5°	622.0	595.6	570.4	550.4	538.7	532.0	529.9	530.1	533.4	536.2	539.5
40°	595.3	569.6	545.9	528.4	517.5	513.3	512.4	514.7	518.3	521.6	525.2
42.5°	569.3	544.0	522.4	506.1	498.4	494.6	495.2	497.5	502.6	506.5	512.0
45°	528.9	507.8	486.7	473.5	467.1	468.0	468.0	472.1	477.2	483.1	489.0
47.5°	490.9	469.7	452.3	441.2	437.8	437.0	439.6	445.0	452.2	459.6	467.9
50°	465.2	445.1	430.0	419.9	416.2	417.6	421.3	426.3	435.0	444.2	452.9
52.5°	439.2	420.9	406.9	397.5	395.0	397.4	401.1	409.1	416.7	426.6	437.1
55°	398.8	383.2	372.3	365.4	364.5	365.8	370.0	378.7	389.7	402.1	412.2
57.5°	358.6	345.6	335.5	330.8	331.2	332.5	339.3	349.7	361.4	374.5	387.5
60°	331.6	319.6	311.4	307.7	308.2	310.9	319.2	328.8	343.5	356.3	370.0
62.5°	305.9	295.4	287.6	284.3	283.6	289.6	297.6	307.5	322.2	336.5	351.3
65°	264.7	256.4	250.0	248.2	249.6	254.2	264.2	277.5	289.9	305.0	320.6
67.5°	224.4	217.6	213.2	214.0	215.7	222.5	230.9	242.3	256.3	272.0	287.4
70°	198.7	192.3	188.6	189.1	191.8	200.1	207.4	218.9	234.0	250.0	262.9
72.5°	172.4	168.2	164.9	166.8	169.5	175.2	184.3	195.8	209.1	224.0	237.5
75°	132.3	132.3	130.5	131.9	136.0	141.5	148.4	160.2	173.6	185.5	196.5
77.5°	98.2	97.2	98.3	100.0	102.4	108.9	116.8	125.3	135.3	147.1	156.3
80°	75.1	75.6	77.8	80.6	81.5	86.5	94.8	102.5	110.4	120.5	129.2
82.5°	56.4	56.9	58.0	61.6	62.4	67.8	73.2	80.9	88.0	94.8	102.0
85°	30.7	30.7	33.0	34.4	36.6	40.3	43.5	48.0	54.5	59.1	66.0
87.5°	15.1	15.6	17.5	18.7	20.2	22.6	23.7	28.0	29.8	32.0	35.6
90°	16.6	19.4	21.6	23.9	26.3	28.6	30.3	32.0	33.8	35.5	36.7
92.5°	42.4	44.9	46.6	48.2	49.8	51.4	52.4	53.5	54.5	55.5	56.2
95°	88.3	90.6	92.6	94.6	96.7	98.7	99.5	100.4	101.3	102.1	102.5
97.5°	144.4	146.6	149.0	151.3	153.7	156.0	157.0	158.2	159.2	160.2	160.7
100°	186.4	188.2	190.9	193.5	196.0	198.6	199.2	199.8	200.4	201.0	201.2
102.5°	231.4	232.8	235.1	237.5	239.9	242.3	243.1	243.8	244.7	245.5	246.0
105°	303.7	304.4	305.5	306.7	307.8	309.0	309.9	310.7	311.6	312.5	313.3
107.5°	380.5	380.7	380.9	381.1	381.3	381.4	382.2	383.1	383.8	384.7	385.0
110°	433.3	433.5	433.2	432.9	432.6	432.3	431.7	431.2	430.6	430.0	430.2



TEST NUMBER: P332800-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	485.5	485.3	484.7	484.2	483.7	483.2	483.1	482.9	482.8	482.8	482.8
115°	566.0	565.8	565.2	564.6	564.0	563.4	563.2	562.8	562.6	562.3	562.0
117.5°	643.3	643.3	642.8	642.4	642.0	641.6	640.6	639.6	638.7	637.7	636.9
120°	697.8	698.0	697.2	696.3	695.4	694.6	693.1	691.6	690.3	688.8	688.4
122.5°	748.0	748.1	747.7	747.3	746.9	746.5	745.5	744.5	743.6	742.6	741.6
125°	824.4	824.2	824.0	823.6	823.4	823.1	822.5	821.9	821.4	820.8	820.2
127.5°	898.7	899.0	898.5	898.0	897.6	897.1	896.5	896.0	895.4	894.8	894.2
130°	948.6	949.0	949.0	949.0	949.0	949.0	948.5	947.9	947.3	946.7	945.8
132.5°	998.6	998.8	998.5	998.3	998.1	997.8	997.3	996.7	996.1	995.5	995.0
135°	1070.2	1071.1	1071.1	1071.1	1071.1	1071.1	1070.5	1069.9	1069.4	1068.8	1068.0
137.5°	1139.7	1140.4	1140.8	1141.3	1141.8	1142.2	1141.4	1140.7	1140.0	1139.2	1138.9
140°	1187.6	1187.9	1187.9	1187.9	1187.9	1187.9	1187.6	1187.3	1187.1	1186.7	1186.5
142.5°	1232.3	1232.4	1232.2	1232.0	1231.7	1231.5	1231.5	1231.4	1231.3	1231.3	1231.2
145°	1296.4	1297.1	1297.4	1297.7	1298.0	1298.2	1298.0	1297.7	1297.4	1297.1	1296.5
147.5°	1358.6	1359.2	1358.9	1358.7	1358.5	1358.2	1358.0	1357.8	1357.5	1357.3	1357.0
150°	1395.1	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.5
152.5°	1428.5	1429.0	1429.2	1429.4	1429.7	1429.9	1430.6	1431.2	1431.9	1432.6	1432.6
155°	1480.0	1479.9	1479.5	1479.3	1479.0	1478.7	1479.9	1481.0	1482.1	1483.3	1483.3
157.5°	1523.6	1523.4	1523.3	1523.2	1523.2	1523.1	1524.0	1524.8	1525.7	1526.6	1526.5
160°	1551.5	1551.3	1551.0	1550.7	1550.4	1550.1	1551.0	1551.9	1552.7	1553.6	1553.2
162.5°	1574.6	1574.1	1573.8	1573.6	1573.2	1573.0	1574.5	1576.1	1577.6	1579.2	1579.2
165°	1607.7	1607.0	1606.4	1605.8	1605.2	1604.6	1606.4	1608.1	1609.8	1611.5	1611.9
167.5°	1632.0	1631.4	1631.5	1631.5	1631.6	1631.7	1633.4	1635.1	1636.8	1638.6	1638.6
170°	1645.6	1645.0	1645.3	1645.6	1645.9	1646.1	1647.9	1649.7	1651.4	1653.1	1652.9
172.5°	1656.9	1656.3	1656.4	1656.5	1656.5	1656.6	1658.5	1660.5	1662.4	1664.4	1664.4
175°	1670.3	1669.4	1669.1	1668.8	1668.5	1668.3	1670.3	1672.3	1674.3	1676.4	1676.4
177.5°	1676.1	1675.5	1675.5	1675.5	1675.5	1675.5	1677.1	1678.8	1680.3	1682.0	1681.9
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332800-935

CATALOG NUMBER: S124DIW-S795D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1053.3	1052.7	1050.1	1049.7	1050.1	1052.7	1053.3	1054.1	1055.2	1058.9	1054.5
5°	973.1	970.8	969.4	974.5	969.4	970.8	973.1	975.8	980.4	980.9	985.4
7.5°	912.5	910.7	906.6	905.4	906.6	910.7	912.5	914.2	918.8	922.7	929.4
10°	873.7	871.8	868.2	867.3	868.2	871.8	873.7	878.3	882.9	887.9	892.5
12.5°	836.3	832.7	831.9	832.8	831.9	832.7	836.3	842.4	854.3	854.2	855.1
15°	786.7	784.9	779.8	781.2	779.8	784.9	786.7	792.6	798.1	805.0	811.8
17.5°	737.8	735.6	729.4	734.9	729.4	735.6	737.8	741.0	748.0	757.8	768.1
20°	707.1	703.4	700.2	699.6	700.2	703.4	707.1	710.2	718.0	726.3	734.0
22.5°	677.7	674.4	674.2	671.1	674.2	674.4	677.7	682.8	690.5	695.1	702.5
25°	641.1	637.9	637.0	634.6	637.0	637.9	641.1	644.7	649.8	653.4	661.7
27.5°	612.9	611.4	609.8	610.4	609.8	611.4	612.9	613.5	615.7	620.5	625.3
30°	595.7	595.3	594.3	594.3	594.3	595.3	595.7	594.3	596.7	598.9	602.6
32.5°	581.4	581.3	581.9	581.9	581.9	581.3	581.4	579.4	580.1	581.0	582.8
35°	561.4	562.7	563.7	562.3	563.7	562.7	561.4	559.6	558.2	555.0	555.9
37.5°	543.3	544.7	546.0	547.5	546.0	544.7	543.3	539.5	536.2	533.4	530.1
40°	529.3	532.5	533.5	535.8	533.5	532.5	529.3	525.2	521.6	518.3	514.7
42.5°	516.2	519.7	522.1	522.5	522.1	519.7	516.2	512.0	506.5	502.6	497.5
45°	495.9	499.6	502.8	502.8	502.8	499.6	495.9	489.0	483.1	477.2	472.1
47.5°	474.9	480.3	483.5	484.3	483.5	480.3	474.9	467.9	459.6	452.2	445.0
50°	460.6	467.1	470.3	472.6	470.3	467.1	460.6	452.9	444.2	435.0	426.3
52.5°	446.8	453.1	457.4	458.7	457.4	453.1	446.8	437.1	426.6	416.7	409.1
55°	422.7	431.8	436.9	438.7	436.9	431.8	422.7	412.2	402.1	389.7	378.7
57.5°	399.9	408.4	414.2	415.6	414.2	408.4	399.9	387.5	374.5	361.4	349.7
60°	382.4	391.5	398.8	400.2	398.8	391.5	382.4	370.0	356.3	343.5	328.8
62.5°	364.4	373.9	380.6	384.1	380.6	373.9	364.4	351.3	336.5	322.2	307.5
65°	333.4	342.9	349.4	350.8	349.4	342.9	333.4	320.6	305.0	289.9	277.5
67.5°	299.5	309.1	313.3	316.0	313.3	309.1	299.5	287.4	272.0	256.3	242.3
70°	275.7	283.4	288.0	290.3	288.0	283.4	275.7	262.9	250.0	234.0	218.9
72.5°	248.6	256.7	262.0	262.4	262.0	256.7	248.6	237.5	224.0	209.1	195.8
75°	207.0	214.3	217.1	217.1	217.1	214.3	207.0	196.5	185.5	173.6	160.2
77.5°	163.8	167.6	171.1	171.8	171.1	167.6	163.8	156.3	147.1	135.3	125.3
80°	136.0	138.3	141.0	141.0	141.0	138.3	136.0	129.2	120.5	110.4	102.5
82.5°	107.5	109.3	112.1	111.8	112.1	109.3	107.5	102.0	94.8	88.0	80.9
85°	65.0	69.1	68.7	67.8	68.7	69.1	65.0	66.0	59.1	54.5	48.0
87.5°	36.8	37.2	38.5	39.3	38.5	37.2	36.8	35.6	32.0	29.8	28.0
90°	37.2	37.8	38.4	38.9	38.4	37.8	37.2	36.7	35.5	33.8	32.0
92.5°	56.6	56.9	57.3	57.6	57.3	56.9	56.6	56.2	55.5	54.5	53.5
95°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.1	101.3	100.4
97.5°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.2	159.2	158.2
100°	201.2	201.2	201.2	201.2	201.2	201.2	201.2	201.2	201.0	200.4	199.8
102.5°	246.2	246.5	246.7	246.9	246.7	246.5	246.2	246.0	245.5	244.7	243.8
105°	314.2	315.0	315.9	316.8	315.9	315.0	314.2	313.3	312.5	311.6	310.7
107.5°	385.0	385.0	384.9	384.8	384.9	385.0	385.0	385.0	384.7	383.8	383.1
110°	431.0	431.9	432.7	433.6	432.7	431.9	431.0	430.2	430.0	430.6	431.2



TEST NUMBER: P332800-935

CATALOG NUMBER: S124DIW-S795D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	482.9	483.1	483.3	483.5	483.3	483.1	482.9	482.8	482.8	482.8	482.9
115°	561.7	561.5	561.1	560.9	561.1	561.5	561.7	562.0	562.3	562.6	562.8
117.5°	636.3	635.8	635.2	634.6	635.2	635.8	636.3	636.9	637.7	638.7	639.6
120°	689.0	689.5	690.1	690.7	690.1	689.5	689.0	688.4	688.8	690.3	691.6
122.5°	740.5	739.5	738.5	737.4	738.5	739.5	740.5	741.6	742.6	743.6	744.5
125°	819.6	819.1	818.5	817.9	818.5	819.1	819.6	820.2	820.8	821.4	821.9
127.5°	893.8	893.4	892.9	892.4	892.9	893.4	893.8	894.2	894.8	895.4	896.0
130°	944.7	943.6	942.4	941.2	942.4	943.6	944.7	945.8	946.7	947.3	947.9
132.5°	994.5	994.1	993.6	993.2	993.6	994.1	994.5	995.0	995.5	996.1	996.7
135°	1067.1	1066.3	1065.4	1064.5	1065.4	1066.3	1067.1	1068.0	1068.8	1069.4	1069.9
137.5°	1139.1	1139.3	1139.4	1139.6	1139.4	1139.3	1139.1	1138.9	1139.2	1140.0	1140.7
140°	1186.2	1185.9	1185.6	1185.3	1185.6	1185.9	1186.2	1186.5	1186.7	1187.1	1187.3
142.5°	1231.1	1231.1	1231.1	1231.0	1231.1	1231.1	1231.1	1231.2	1231.3	1231.3	1231.4
145°	1295.6	1294.8	1293.9	1293.0	1293.9	1294.8	1295.6	1296.5	1297.1	1297.4	1297.7
147.5°	1356.8	1356.5	1356.2	1355.9	1356.2	1356.5	1356.8	1357.0	1357.3	1357.5	1357.8
150°	1395.2	1394.9	1394.6	1394.3	1394.6	1394.9	1395.2	1395.5	1395.6	1395.6	1395.6
152.5°	1431.8	1431.2	1430.4	1429.6	1430.4	1431.2	1431.8	1432.6	1432.6	1431.9	1431.2
155°	1482.1	1481.0	1479.9	1478.7	1479.9	1481.0	1482.1	1483.3	1483.3	1482.1	1481.0
157.5°	1525.5	1524.6	1523.5	1522.6	1523.5	1524.6	1525.5	1526.5	1526.6	1525.7	1524.8
160°	1551.9	1550.4	1548.9	1547.5	1548.9	1550.4	1551.9	1553.2	1553.6	1552.7	1551.9
162.5°	1577.8	1576.4	1574.9	1573.5	1574.9	1576.4	1577.8	1579.2	1579.2	1577.6	1576.1
165°	1610.7	1609.6	1608.3	1607.2	1608.3	1609.6	1610.7	1611.9	1611.5	1609.8	1608.1
167.5°	1636.8	1635.0	1633.1	1631.3	1633.1	1635.0	1636.8	1638.6	1638.6	1636.8	1635.1
170°	1651.0	1648.9	1646.9	1644.9	1646.9	1648.9	1651.0	1652.9	1653.1	1651.4	1649.7
172.5°	1662.3	1660.4	1658.3	1656.3	1658.3	1660.4	1662.3	1664.4	1664.4	1662.4	1660.5
175°	1674.3	1672.3	1670.3	1668.3	1670.3	1672.3	1674.3	1676.4	1676.4	1674.3	1672.3
177.5°	1680.0	1678.2	1676.4	1674.5	1676.4	1678.2	1680.0	1681.9	1682.0	1680.3	1678.8
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332800-935

CATALOG NUMBER: S124DIW-S795D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1056.7	1058.2	1064.0	1069.5	1076.1	1080.9	1084.2	1087.8	1095.5	1101.7	1107.6
5°	990.0	992.3	1004.2	1012.4	1026.7	1039.0	1048.6	1059.1	1071.5	1088.5	1104.1
7.5°	931.3	939.8	952.8	966.2	980.7	996.9	1011.0	1026.8	1048.2	1071.4	1095.5
10°	897.9	907.6	921.4	936.9	950.6	969.4	986.8	1005.6	1029.8	1058.3	1086.7
12.5°	864.6	880.5	890.9	909.4	924.3	939.7	958.2	982.8	1011.2	1041.0	1075.3
15°	822.9	831.6	851.7	861.8	882.9	906.6	925.0	949.7	977.1	1016.6	1055.1
17.5°	774.7	786.2	802.2	821.4	845.6	864.2	887.0	912.4	947.0	986.2	1034.3
20°	743.2	752.8	772.5	793.6	819.2	838.9	863.2	887.9	923.6	965.3	1015.6
22.5°	715.0	724.3	745.0	764.7	789.5	813.6	839.0	867.7	902.0	945.9	997.3
25°	671.3	683.6	702.0	722.1	746.0	773.4	800.9	826.6	863.2	909.4	964.4
27.5°	632.6	642.5	655.7	678.6	705.7	732.2	759.5	791.7	826.9	875.8	932.9
30°	607.6	616.8	630.1	651.2	676.3	704.7	733.1	764.2	800.9	849.5	907.6
32.5°	587.9	594.9	606.7	625.5	648.5	678.4	706.4	738.7	777.1	824.9	881.6
35°	558.6	564.6	569.2	587.0	607.6	635.2	663.5	697.8	734.9	780.3	837.1
37.5°	529.9	532.0	538.7	550.4	570.4	595.6	622.0	655.8	693.8	739.9	791.1
40°	512.4	513.3	517.5	528.4	545.9	569.6	595.3	628.7	664.9	708.4	759.2
42.5°	495.2	494.6	498.4	506.1	522.4	544.0	569.3	599.8	635.9	676.1	724.0
45°	468.0	468.0	467.1	473.5	486.7	507.8	528.9	558.2	588.4	627.8	668.1
47.5°	439.6	437.0	437.8	441.2	452.3	469.7	490.9	514.9	541.6	574.9	610.2
50°	421.3	417.6	416.2	419.9	430.0	445.1	465.2	486.3	511.5	540.8	571.0
52.5°	401.1	397.4	395.0	397.5	406.9	420.9	439.2	457.7	480.4	504.2	530.4
55°	370.0	365.8	364.5	365.4	372.3	383.2	398.8	415.8	432.7	452.5	470.7
57.5°	339.3	332.5	331.2	330.8	335.5	345.6	358.6	373.3	385.6	397.5	417.1
60°	319.2	310.9	308.2	307.7	311.4	319.6	331.6	346.2	354.9	363.1	380.0
62.5°	297.6	289.6	283.6	284.3	287.6	295.4	305.9	316.5	322.3	331.2	342.7
65°	264.2	254.2	249.6	248.2	250.0	256.4	264.7	271.6	277.9	281.6	292.6
67.5°	230.9	222.5	215.7	214.0	213.2	217.6	224.4	228.5	233.1	236.3	242.8
70°	207.4	200.1	191.8	189.1	188.6	192.3	198.7	199.1	205.6	207.0	213.9
72.5°	184.3	175.2	169.5	166.8	164.9	168.2	172.4	173.6	177.0	179.5	183.0
75°	148.4	141.5	136.0	131.9	130.5	132.3	132.3	134.7	136.9	138.3	142.4
77.5°	116.8	108.9	102.4	100.0	98.3	97.2	98.2	99.5	98.4	100.8	101.8
80°	94.8	86.5	81.5	80.6	77.8	75.6	75.1	76.5	74.6	75.6	78.3
82.5°	73.2	67.8	62.4	61.6	58.0	56.9	56.4	55.6	55.6	55.4	56.0
85°	43.5	40.3	36.6	34.4	33.0	30.7	30.7	29.8	28.8	27.9	28.4
87.5°	23.7	22.6	20.2	18.7	17.5	15.6	15.1	13.3	12.3	11.3	10.3
90°	30.3	28.6	26.3	23.9	21.6	19.4	16.6	13.4	10.2	7.1	3.9
92.5°	52.4	51.4	49.8	48.2	46.6	44.9	42.4	38.7	35.0	31.4	27.8
95°	99.5	98.7	96.7	94.6	92.6	90.6	88.3	85.7	83.1	80.5	77.9
97.5°	157.0	156.0	153.7	151.3	149.0	146.6	144.4	142.3	140.2	138.1	136.0
100°	199.2	198.6	196.0	193.5	190.9	188.2	186.4	185.2	184.1	182.9	181.8
102.5°	243.1	242.3	239.9	237.5	235.1	232.8	231.4	230.9	230.5	230.0	229.5
105°	309.9	309.0	307.8	306.7	305.5	304.4	303.7	303.3	303.1	302.8	302.5
107.5°	382.2	381.4	381.3	381.1	380.9	380.7	380.5	380.1	379.8	379.4	379.1
110°	431.7	432.3	432.6	432.9	433.2	433.5	433.3	432.7	432.1	431.6	431.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	483.1	483.2	483.7	484.2	484.7	485.3	485.5	485.3	485.3	485.2	485.0
115°	563.2	563.4	564.0	564.6	565.2	565.8	566.0	566.0	566.0	566.0	566.0
117.5°	640.6	641.6	642.0	642.4	642.8	643.3	643.3	643.1	642.8	642.6	642.4
120°	693.1	694.6	695.4	696.3	697.2	698.0	697.8	696.7	695.6	694.4	693.3
122.5°	745.5	746.5	746.9	747.3	747.7	748.1	748.0	747.6	747.2	746.7	746.2
125°	822.5	823.1	823.4	823.6	824.0	824.2	824.4	824.4	824.4	824.4	824.4
127.5°	896.5	897.1	897.6	898.0	898.5	899.0	898.7	897.9	897.0	896.1	895.3
130°	948.5	949.0	949.0	949.0	949.0	949.0	948.6	947.7	946.8	946.0	945.1
132.5°	997.3	997.8	998.1	998.3	998.5	998.8	998.6	997.9	997.3	996.7	996.0
135°	1070.5	1071.1	1071.1	1071.1	1071.1	1071.1	1070.2	1068.5	1066.7	1065.0	1063.2
137.5°	1141.4	1142.2	1141.8	1141.3	1140.8	1140.4	1139.7	1138.9	1138.1	1137.3	1136.5
140°	1187.6	1187.9	1187.9	1187.9	1187.9	1187.9	1187.6	1187.1	1186.5	1185.9	1185.3
142.5°	1231.5	1231.5	1231.7	1232.0	1232.2	1232.4	1232.3	1231.7	1231.1	1230.5	1229.9
145°	1298.0	1298.2	1298.0	1297.7	1297.4	1297.1	1296.4	1295.2	1294.1	1292.9	1291.8
147.5°	1358.0	1358.2	1358.5	1358.7	1358.9	1359.2	1358.6	1357.2	1355.8	1354.4	1353.1
150°	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.1	1393.9	1392.8	1391.5	1390.4
152.5°	1430.6	1429.9	1429.7	1429.4	1429.2	1429.0	1428.5	1427.8	1427.1	1426.4	1425.7
155°	1479.9	1478.7	1479.0	1479.3	1479.5	1479.9	1480.0	1480.0	1480.0	1480.0	1480.0
157.5°	1524.0	1523.1	1523.2	1523.2	1523.3	1523.4	1523.6	1524.1	1524.7	1525.2	1525.7
160°	1551.0	1550.1	1550.4	1550.7	1551.0	1551.3	1551.5	1551.9	1552.1	1552.4	1552.7
162.5°	1574.5	1573.0	1573.2	1573.6	1573.8	1574.1	1574.6	1575.4	1576.1	1576.9	1577.6
165°	1606.4	1604.6	1605.2	1605.8	1606.4	1607.0	1607.7	1608.5	1609.4	1610.2	1611.1
167.5°	1633.4	1631.7	1631.6	1631.5	1631.5	1631.4	1632.0	1633.2	1634.4	1635.6	1636.8
170°	1647.9	1646.1	1645.9	1645.6	1645.3	1645.0	1645.6	1647.0	1648.5	1649.9	1651.4
172.5°	1658.5	1656.6	1656.5	1656.5	1656.4	1656.3	1656.9	1658.1	1659.3	1660.5	1661.7
175°	1670.3	1668.3	1668.5	1668.8	1669.1	1669.4	1670.3	1671.7	1673.2	1674.6	1676.0
177.5°	1677.1	1675.5	1675.5	1675.5	1675.5	1675.5	1676.1	1677.2	1678.4	1679.6	1680.7
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



TEST NUMBER: P332800-935

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1112.8	1116.4	1121.2	1129.2	1132.1	1135.8	1140.9	1140.6	1142.0	1147.5	1159.3
5°	1116.9	1131.0	1144.8	1161.2	1178.7	1190.1	1205.7	1215.3	1224.9	1237.3	1258.4
7.5°	1118.5	1141.0	1166.2	1195.2	1220.9	1250.6	1273.8	1295.5	1315.2	1341.4	1366.4
10°	1115.9	1146.2	1178.7	1215.3	1254.2	1287.2	1317.0	1350.8	1379.7	1411.3	1439.7
12.5°	1111.2	1147.6	1191.1	1232.2	1277.6	1326.4	1363.5	1397.7	1436.1	1472.5	1516.2
15°	1100.4	1150.3	1201.1	1255.2	1316.0	1372.3	1425.9	1470.3	1511.6	1566.1	1623.3
17.5°	1086.7	1140.5	1204.6	1270.0	1333.6	1398.0	1464.3	1531.1	1583.1	1650.8	1695.6
20°	1073.8	1136.1	1202.0	1279.9	1343.5	1423.7	1489.6	1554.2	1625.6	1692.9	1746.5
22.5°	1055.8	1124.0	1193.9	1271.4	1355.2	1435.4	1511.6	1581.7	1653.0	1726.2	1791.1
25°	1033.0	1094.8	1177.8	1265.7	1349.0	1436.0	1523.5	1611.4	1688.3	1765.7	1826.2
27.5°	994.2	1072.3	1149.4	1240.2	1332.8	1431.2	1524.7	1616.8	1697.4	1761.0	1798.5
30°	974.5	1042.2	1126.0	1217.1	1317.4	1423.2	1520.7	1610.9	1686.0	1736.9	1752.0
32.5°	945.1	1015.1	1097.1	1191.5	1297.6	1406.4	1507.9	1593.0	1655.6	1682.3	1664.1
35°	901.6	964.8	1047.7	1144.4	1254.6	1370.5	1470.8	1542.7	1574.8	1549.5	1486.9
37.5°	849.5	912.1	995.3	1090.2	1204.4	1322.2	1412.8	1464.6	1454.0	1391.3	1297.8
40°	812.8	871.4	950.6	1053.2	1164.5	1282.6	1362.3	1390.3	1360.9	1271.2	1171.8
42.5°	772.1	829.3	908.9	1007.8	1125.7	1234.6	1304.1	1306.3	1257.2	1150.0	1050.2
45°	710.2	764.7	839.8	942.9	1051.8	1154.4	1200.1	1177.8	1087.1	983.6	883.3
47.5°	649.1	696.4	770.4	868.2	971.7	1058.1	1080.7	1040.3	943.7	843.3	750.4
50°	604.4	652.0	721.7	815.1	914.9	989.5	1000.6	946.9	852.2	751.0	678.2
52.5°	561.5	608.8	675.9	762.3	853.8	921.0	921.4	859.5	765.0	674.8	607.1
55°	498.7	541.2	601.7	679.1	760.6	813.2	800.5	736.3	654.4	576.1	516.9
57.5°	438.1	475.1	530.8	595.4	667.2	710.6	689.3	627.6	554.4	488.0	443.2
60°	398.8	434.1	481.7	542.6	603.0	637.0	616.8	560.9	493.6	440.1	401.1
62.5°	360.8	390.5	436.3	489.1	545.2	570.3	552.3	497.2	439.0	390.6	359.0
65°	306.8	331.1	367.7	413.0	453.8	475.3	460.2	408.9	364.5	329.7	304.5
67.5°	256.4	275.3	303.2	339.5	374.1	385.7	372.0	336.3	298.7	270.8	253.0
70°	221.6	239.5	262.9	290.8	321.0	333.4	319.6	291.2	260.5	234.9	217.5
72.5°	191.2	205.1	224.7	248.7	272.2	284.6	275.3	248.0	222.1	203.0	188.2
75°	145.6	157.6	171.3	188.2	206.6	214.7	206.6	187.8	169.9	155.7	145.2
77.5°	105.9	112.3	122.9	135.5	147.0	153.3	146.2	133.5	122.5	112.8	107.6
80°	80.6	85.2	92.5	102.5	110.4	116.3	111.8	101.2	92.5	86.1	83.8
82.5°	58.6	61.7	66.5	74.0	79.2	82.2	80.2	72.6	69.1	63.4	61.0
85°	28.8	30.7	33.9	36.2	40.7	41.2	41.7	38.5	35.3	33.9	32.0
87.5°	11.3	12.3	14.0	15.8	17.8	18.6	18.7	19.2	18.2	18.2	17.0
90°	7.1	10.2	13.4	16.6	19.4	21.6	23.9	26.3	28.6	30.3	32.0
92.5°	31.4	35.0	38.7	42.4	44.9	46.6	48.2	49.8	51.4	52.4	53.5
95°	80.5	83.1	85.7	88.3	90.6	92.6	94.6	96.7	98.7	99.5	100.4
97.5°	138.1	140.2	142.3	144.4	146.6	149.0	151.3	153.7	156.0	157.0	158.2
100°	182.9	184.1	185.2	186.4	188.2	190.9	193.5	196.0	198.6	199.2	199.8
102.5°	230.0	230.5	230.9	231.4	232.8	235.1	237.5	239.9	242.3	243.1	243.8
105°	302.8	303.1	303.3	303.7	304.4	305.5	306.7	307.8	309.0	309.9	310.7
107.5°	379.4	379.8	380.1	380.5	380.7	380.9	381.1	381.3	381.4	382.2	383.1
110°	431.6	432.1	432.7	433.3	433.5	433.2	432.9	432.6	432.3	431.7	431.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	485.2	485.3	485.3	485.5	485.3	484.7	484.2	483.7	483.2	483.1	482.9
115°	566.0	566.0	566.0	566.0	565.8	565.2	564.6	564.0	563.4	563.2	562.8
117.5°	642.6	642.8	643.1	643.3	643.3	642.8	642.4	642.0	641.6	640.6	639.6
120°	694.4	695.6	696.7	697.8	698.0	697.2	696.3	695.4	694.6	693.1	691.6
122.5°	746.7	747.2	747.6	748.0	748.1	747.7	747.3	746.9	746.5	745.5	744.5
125°	824.4	824.4	824.4	824.4	824.2	824.0	823.6	823.4	823.1	822.5	821.9
127.5°	896.1	897.0	897.9	898.7	899.0	898.5	898.0	897.6	897.1	896.5	896.0
130°	946.0	946.8	947.7	948.6	949.0	949.0	949.0	949.0	949.0	948.5	947.9
132.5°	996.7	997.3	997.9	998.6	998.8	998.5	998.3	998.1	997.8	997.3	996.7
135°	1065.0	1066.7	1068.5	1070.2	1071.1	1071.1	1071.1	1071.1	1071.1	1070.5	1069.9
137.5°	1137.3	1138.1	1138.9	1139.7	1140.4	1140.8	1141.3	1141.8	1142.2	1141.4	1140.7
140°	1185.9	1186.5	1187.1	1187.6	1187.9	1187.9	1187.9	1187.9	1187.9	1187.6	1187.3
142.5°	1230.5	1231.1	1231.7	1232.3	1232.4	1232.2	1232.0	1231.7	1231.5	1231.5	1231.4
145°	1292.9	1294.1	1295.2	1296.4	1297.1	1297.4	1297.7	1298.0	1298.2	1298.0	1297.7
147.5°	1354.4	1355.8	1357.2	1358.6	1359.2	1358.9	1358.7	1358.5	1358.2	1358.0	1357.8
150°	1391.5	1392.8	1393.9	1395.1	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6
152.5°	1426.4	1427.1	1427.8	1428.5	1429.0	1429.2	1429.4	1429.7	1429.9	1430.6	1431.2
155°	1480.0	1480.0	1480.0	1480.0	1479.9	1479.5	1479.3	1479.0	1478.7	1479.9	1481.0
157.5°	1525.2	1524.7	1524.1	1523.6	1523.4	1523.3	1523.2	1523.2	1523.1	1524.0	1524.8
160°	1552.4	1552.1	1551.9	1551.5	1551.3	1551.0	1550.7	1550.4	1550.1	1551.0	1551.9
162.5°	1576.9	1576.1	1575.4	1574.6	1574.1	1573.8	1573.6	1573.2	1573.0	1574.5	1576.1
165°	1610.2	1609.4	1608.5	1607.7	1607.0	1606.4	1605.8	1605.2	1604.6	1606.4	1608.1
167.5°	1635.6	1634.4	1633.2	1632.0	1631.4	1631.5	1631.5	1631.6	1631.7	1633.4	1635.1
170°	1649.9	1648.5	1647.0	1645.6	1645.0	1645.3	1645.6	1645.9	1646.1	1647.9	1649.7
172.5°	1660.5	1659.3	1658.1	1656.9	1656.3	1656.4	1656.5	1656.5	1656.6	1658.5	1660.5
175°	1674.6	1673.2	1671.7	1670.3	1669.4	1669.1	1668.8	1668.5	1668.3	1670.3	1672.3
177.5°	1679.6	1678.4	1677.2	1676.1	1675.5	1675.5	1675.5	1675.5	1675.5	1677.1	1678.8
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1165.1	1165.9	1169.2	1171.7	1172.4	1176.1	1176.5
5°	1267.5	1275.3	1290.4	1291.8	1294.1	1306.0	1296.8
7.5°	1387.5	1407.2	1420.5	1432.1	1436.3	1441.5	1440.5
10°	1464.4	1493.7	1508.4	1531.7	1532.7	1538.6	1534.9
12.5°	1541.7	1575.8	1602.5	1606.8	1626.4	1629.4	1634.6
15°	1651.2	1687.4	1724.5	1737.8	1764.8	1771.2	1781.3
17.5°	1754.2	1791.1	1817.1	1851.5	1862.6	1877.4	1867.3
20°	1810.6	1850.9	1883.9	1910.9	1922.4	1930.5	1929.7
22.5°	1844.7	1885.3	1912.0	1932.5	1943.2	1946.7	1946.5
25°	1866.0	1889.4	1897.6	1905.4	1893.5	1889.4	1891.2
27.5°	1806.6	1800.6	1779.1	1750.8	1721.6	1698.3	1685.7
30°	1724.9	1689.3	1656.7	1599.9	1570.6	1553.2	1537.7
32.5°	1609.2	1552.6	1490.0	1438.0	1404.7	1378.9	1375.0
35°	1410.8	1325.7	1249.2	1185.5	1152.5	1124.6	1118.2
37.5°	1199.5	1110.9	1042.2	986.1	950.6	930.9	912.5
40°	1059.1	983.2	915.3	867.7	840.8	826.6	815.1
42.5°	951.1	881.7	814.2	778.0	753.5	744.9	738.1
45°	801.8	737.3	690.5	663.1	648.8	634.2	627.3
47.5°	682.3	629.7	598.9	575.6	560.4	551.7	547.3
50°	614.5	571.4	544.0	526.2	512.4	505.5	501.9
52.5°	554.4	519.1	496.0	481.8	472.5	467.4	466.0
55°	477.6	450.6	435.9	423.6	416.7	412.2	410.3
57.5°	415.2	394.3	382.5	372.3	369.6	365.8	364.5
60°	374.1	358.1	348.0	341.1	338.9	334.2	335.2
62.5°	337.9	324.8	316.2	312.2	309.2	305.3	306.6
65°	285.8	276.1	271.6	267.9	264.2	261.9	263.7
67.5°	239.8	233.2	227.0	224.8	223.0	222.7	220.7
70°	209.7	204.2	198.7	197.3	197.3	195.5	195.1
72.5°	180.8	176.8	173.1	172.1	170.7	171.3	169.4
75°	139.7	136.5	135.1	133.7	133.3	133.3	131.9
77.5°	103.2	100.8	98.7	98.7	96.9	96.3	96.2
80°	78.3	77.4	75.6	75.6	74.6	75.1	74.2
82.5°	58.9	57.6	57.3	56.5	55.2	55.3	54.4
85°	31.6	30.2	29.8	28.4	27.5	28.4	27.5
87.5°	17.7	17.7	17.6	17.0	16.7	16.8	15.8
90°	33.8	35.5	36.7	37.2	37.8	38.4	38.9
92.5°	54.5	55.5	56.2	56.6	56.9	57.3	57.6
95°	101.3	102.1	102.5	102.5	102.5	102.5	102.5
97.5°	159.2	160.2	160.7	160.7	160.7	160.7	160.7
100°	200.4	201.0	201.2	201.2	201.2	201.2	201.2
102.5°	244.7	245.5	246.0	246.2	246.5	246.7	246.9
105°	311.6	312.5	313.3	314.2	315.0	315.9	316.8
107.5°	383.8	384.7	385.0	385.0	385.0	384.9	384.8
110°	430.6	430.0	430.2	431.0	431.9	432.7	433.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	482.8	482.8	482.8	482.9	483.1	483.3	483.5
115°	562.6	562.3	562.0	561.7	561.5	561.1	560.9
117.5°	638.7	637.7	636.9	636.3	635.8	635.2	634.6
120°	690.3	688.8	688.4	689.0	689.5	690.1	690.7
122.5°	743.6	742.6	741.6	740.5	739.5	738.5	737.4
125°	821.4	820.8	820.2	819.6	819.1	818.5	817.9
127.5°	895.4	894.8	894.2	893.8	893.4	892.9	892.4
130°	947.3	946.7	945.8	944.7	943.6	942.4	941.2
132.5°	996.1	995.5	995.0	994.5	994.1	993.6	993.2
135°	1069.4	1068.8	1068.0	1067.1	1066.3	1065.4	1064.5
137.5°	1140.0	1139.2	1138.9	1139.1	1139.3	1139.4	1139.6
140°	1187.1	1186.7	1186.5	1186.2	1185.9	1185.6	1185.3
142.5°	1231.3	1231.3	1231.2	1231.1	1231.1	1231.1	1231.0
145°	1297.4	1297.1	1296.5	1295.6	1294.8	1293.9	1293.0
147.5°	1357.5	1357.3	1357.0	1356.8	1356.5	1356.2	1355.9
150°	1395.6	1395.6	1395.5	1395.2	1394.9	1394.6	1394.3
152.5°	1431.9	1432.6	1432.6	1431.8	1431.2	1430.4	1429.6
155°	1482.1	1483.3	1483.3	1482.1	1481.0	1479.9	1478.7
157.5°	1525.7	1526.6	1526.5	1525.5	1524.6	1523.5	1522.6
160°	1552.7	1553.6	1553.2	1551.9	1550.4	1548.9	1547.5
162.5°	1577.6	1579.2	1579.2	1577.8	1576.4	1574.9	1573.5
165°	1609.8	1611.5	1611.9	1610.7	1609.6	1608.3	1607.2
167.5°	1636.8	1638.6	1638.6	1636.8	1635.0	1633.1	1631.3
170°	1651.4	1653.1	1652.9	1651.0	1648.9	1646.9	1644.9
172.5°	1662.4	1664.4	1664.4	1662.3	1660.4	1658.3	1656.3
175°	1674.3	1676.4	1676.4	1674.3	1672.3	1670.3	1668.3
177.5°	1680.3	1682.0	1681.9	1680.0	1678.2	1676.4	1674.5
180°	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6	1678.6

(END OF REPORT)