

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1030957

Luminaire Tested: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1030957
REPORT IS A COMBINATION OF REPORTS P991918 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

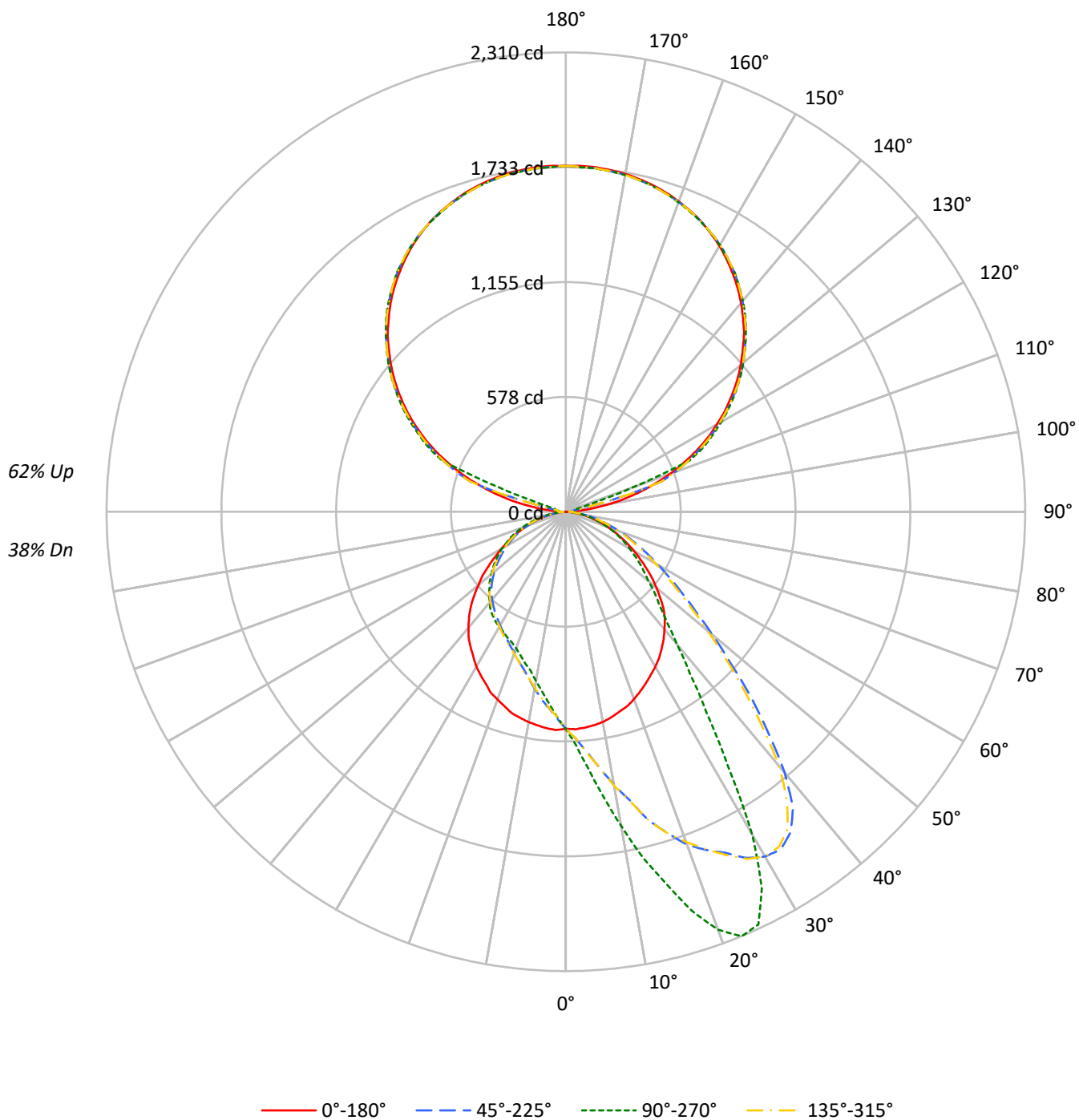
Lumens per Lamp: N/A
Luminaire Lumens: 8598.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 78
Input Voltage (V):
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: 24 FT

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45			38
1	95	91	87	84	87	83	80	77	68	65	63	53	52	51	40	40	39			33
2	87	80	74	69	79	73	68	63	59	56	53	47	45	43	36	34	33			28
3	79	70	63	58	72	64	58	53	53	48	45	42	39	36	32	30	28			24
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	29	26	24			20
5	67	55	48	42	60	51	44	39	42	37	33	34	30	27	26	23	21			18
6	61	50	42	36	56	46	39	34	38	32	29	30	27	24	23	21	19			16
7	57	45	37	32	51	41	34	29	34	29	25	28	24	21	21	19	17			14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	20	17	15			13
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	14			11
10	46	34	27	22	41	31	25	21	26	21	18	21	18	15	17	14	12			10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11745	11745	11745	11745
5°	11752	13532	11786	10099
10°	11677	16375	11688	8819
15°	11516	19419	11610	7938
20°	11378	22358	11401	7304
25°	11170	22922	11195	6974
30°	11023	18937	11023	6757
35°	10840	12665	10773	6566
40°	10622	9142	10491	6273
45°	10347	7243	10048	5908
50°	9679	6151	9336	5551
55°	8946	5404	8581	5152
60°	8202	4705	7767	4732
65°	7385	4029	7027	4175
70°	6538	3345	6102	3519
75°	5592	2523	5227	2716
80°	4419	1684	4077	1785
85°	3045	774	2440	703

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18941 cd/sqm

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	1.2
10°-20°	344.6	4.0
20°-30°	579.9	6.7
30°-40°	655.3	7.6
40°-50°	587.0	6.8
50°-60°	473.8	5.5
60°-70°	330.2	3.8
70°-80°	173.3	2.0
80°-90°	45.0	0.5
90°-100°	61.3	0.7
100°-110°	296.5	3.4
110°-120°	726.6	8.5
120°-130°	922.4	10.7
130°-140°	985.3	11.5
140°-150°	921.4	10.7
150°-160°	743.2	8.6
160°-170°	479.6	5.6
170°-180°	165.3	1.9
0°-30°	1031.8	12.0
0°-40°	1687.2	19.6
0°-60°	2748.0	32.0
0°-90°	3296.5	38.3
90°-120°	1084.4	12.6
90°-150°	3913.4	45.5
90°-180°	5302.0	61.7
0°-180°	8598.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1090	1296	1093	967	1090	103
15°	1040	1929	1049	789	1040	294
25°	952	2290	954	697	952	439
35°	839	1234	834	640	839	525
45°	697	666	677	543	697	533
55°	494	452	474	431	494	442
65°	306	294	291	304	306	304
75°	147	151	137	163	147	158
85°	32	35	25	32	32	37
90°	1	39	1	39	1	7
95°	79	49	79	49	79	94
105°	385	57	385	57	385	408
115°	722	760	722	760	722	713
125°	1018	1039	1018	1039	1018	910
135°	1267	1280	1267	1280	1267	976
145°	1462	1477	1462	1477	1462	916
155°	1611	1608	1611	1608	1611	742
165°	1699	1695	1699	1695	1699	480
175°	1739	1733	1739	1733	1739	166
180°	1739	1739	1739	1739	1739	

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1094.2	1102.7	1106.9	1113.3	1119.6	1129.1	1132.3	1137.6	1135.5	1139.7	1141.8
5°	1090.0	1104.8	1117.5	1133.4	1148.2	1158.7	1169.3	1186.2	1198.9	1201.0	1210.5
7.5°	1082.6	1103.7	1126.0	1148.2	1176.7	1193.6	1212.6	1235.9	1254.9	1285.6	1297.2
10°	1073.1	1102.7	1134.4	1165.1	1204.2	1230.6	1253.9	1293.0	1332.1	1363.8	1393.4
12.5°	1058.3	1095.3	1136.5	1182.0	1232.7	1263.4	1295.1	1346.9	1406.1	1454.7	1486.5
15°	1040.3	1086.8	1139.7	1188.3	1244.4	1301.5	1335.3	1393.4	1478.0	1523.5	1604.9
17.5°	1025.5	1073.1	1126.0	1202.1	1278.2	1335.3	1359.6	1466.4	1524.5	1600.6	1692.6
20°	1002.3	1062.5	1130.2	1206.3	1304.6	1339.5	1389.2	1497.0	1568.9	1668.3	1781.4
22.5°	977.9	1042.4	1123.8	1203.1	1313.1	1350.1	1417.7	1503.4	1617.6	1715.9	1840.6
25°	951.5	1021.3	1103.7	1197.8	1305.7	1359.6	1423.0	1528.8	1652.5	1776.1	1891.4
27.5°	925.1	1001.2	1086.8	1180.9	1285.6	1349.0	1412.5	1522.4	1681.0	1815.3	1962.2
30°	899.7	975.8	1061.5	1157.7	1267.6	1328.9	1389.2	1526.6	1703.2	1854.4	2002.4
32.5°	872.2	950.5	1040.3	1120.7	1231.7	1297.2	1364.9	1526.6	1716.9	1877.6	2013.0
35°	839.4	919.8	997.0	1077.3	1187.3	1260.2	1336.3	1516.1	1729.6	1885.0	1968.6
37.5°	807.7	878.6	945.2	1023.4	1138.6	1216.9	1304.6	1503.4	1723.3	1853.3	1876.6
40°	771.8	842.6	896.5	969.5	1091.1	1182.0	1270.8	1486.5	1695.8	1778.3	1710.6
42.5°	736.9	792.9	839.4	910.3	1042.4	1131.2	1227.4	1455.8	1641.9	1658.8	1506.6
45°	696.7	736.9	778.1	858.5	989.6	1080.5	1187.3	1411.4	1555.2	1506.6	1314.1
47.5°	644.9	680.9	726.3	800.3	933.5	1027.6	1129.1	1354.3	1429.4	1327.9	1117.5
50°	595.2	625.9	668.2	740.1	874.3	966.3	1074.1	1264.4	1301.5	1141.8	963.1
52.5°	545.5	568.8	610.0	681.9	816.2	905.0	1003.3	1172.5	1151.3	980.1	821.5
55°	493.7	513.8	552.9	623.8	748.5	833.1	927.2	1059.3	1004.4	841.6	714.7
57.5°	443.0	464.1	504.3	563.5	680.9	763.3	838.4	942.0	859.5	729.5	617.4
60°	397.5	415.5	446.2	504.3	611.1	677.7	746.4	817.2	748.5	622.7	537.1
62.5°	349.9	366.9	395.4	448.3	540.2	599.4	654.4	712.6	636.5	544.5	468.4
65°	305.5	319.3	345.7	394.3	469.4	518.0	562.4	602.6	541.3	456.7	399.6
67.5°	265.4	277.0	299.2	342.5	406.0	440.9	476.8	510.6	458.8	391.2	342.5
70°	222.0	231.5	251.6	283.3	334.1	370.0	396.5	421.8	375.3	321.4	288.6
72.5°	184.0	193.5	206.2	238.9	273.8	296.0	324.6	338.3	311.9	267.5	234.7
75°	147.0	154.4	166.0	187.1	219.9	234.7	252.7	263.3	238.9	209.3	189.2
77.5°	115.2	118.4	126.9	141.7	163.9	180.8	194.5	200.9	184.0	164.9	148.0
80°	81.4	85.6	92.0	104.7	121.6	126.9	135.3	142.7	132.2	115.2	104.7
82.5°	53.9	59.2	62.4	67.7	78.2	84.6	86.7	93.0	83.5	77.2	72.9
85°	31.7	33.8	34.9	38.1	43.3	46.5	49.7	50.7	48.6	47.6	43.3
87.5°	15.9	15.9	15.9	18.0	19.0	21.1	22.2	22.2	22.2	21.1	20.1
90°	1.3	4.2	7.0	9.9	12.8	14.2	16.1	19.8	23.5	27.3	31.0
92.5°	29.7	28.0	26.3	24.6	22.9	22.0	23.3	25.9	28.4	31.0	33.6
95°	78.8	67.0	55.2	43.5	31.7	25.8	27.4	30.6	33.7	36.9	40.1
97.5°	143.4	135.4	127.3	119.3	111.2	107.2	99.9	85.2	70.6	55.9	41.3
100°	218.3	224.1	229.8	235.6	241.3	244.2	221.8	177.0	132.2	87.4	42.6
102.5°	303.6	307.3	311.1	314.8	318.5	320.4	295.4	245.5	195.5	145.6	95.6
105°	385.0	388.2	391.3	394.5	397.6	399.2	386.3	360.4	334.6	308.7	282.9
107.5°	471.6	474.2	476.8	479.3	481.9	483.2	485.4	489.7	494.0	498.3	502.6
110°	558.1	560.4	562.7	565.0	567.3	568.5	570.1	573.2	576.4	579.5	582.7

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	640.8	642.8	644.8	646.9	648.9	649.9	651.5	654.6	657.8	660.9	664.1
115°	722.2	723.9	725.7	727.4	729.1	730.0	731.3	733.9	736.4	739.0	741.6
117.5°	802.3	804.3	806.3	808.4	810.4	811.4	812.1	813.5	815.0	816.4	817.8
120°	876.0	878.6	881.2	883.7	886.3	887.6	888.0	888.9	889.8	890.6	891.5
122.5°	950.9	952.9	954.9	956.9	958.9	959.9	960.5	961.6	962.8	963.9	965.1
125°	1018.1	1020.4	1022.7	1025.0	1027.3	1028.4	1029.0	1030.1	1031.3	1032.4	1033.6
127.5°	1085.3	1087.6	1089.9	1092.2	1094.5	1095.6	1096.3	1097.8	1099.2	1100.7	1102.1
130°	1147.3	1149.6	1151.9	1154.2	1156.5	1157.6	1158.2	1159.3	1160.5	1161.6	1162.8
132.5°	1206.7	1209.0	1211.3	1213.6	1215.9	1217.1	1217.5	1218.4	1219.2	1220.1	1220.9
135°	1267.4	1269.1	1270.9	1272.6	1274.3	1275.2	1275.8	1276.9	1278.1	1279.2	1280.4
137.5°	1319.1	1321.4	1323.7	1326.0	1328.3	1329.5	1329.8	1330.3	1330.9	1331.4	1332.0
140°	1370.8	1372.5	1374.2	1375.9	1377.6	1378.5	1378.9	1379.8	1380.7	1381.5	1382.4
142.5°	1418.6	1420.3	1422.1	1423.8	1425.5	1426.4	1426.8	1427.7	1428.5	1429.4	1430.2
145°	1462.5	1464.5	1466.5	1468.6	1470.6	1471.6	1471.9	1472.5	1473.0	1473.6	1474.2
147.5°	1505.2	1506.6	1508.0	1509.5	1510.9	1511.6	1511.9	1512.5	1513.0	1513.6	1514.2
150°	1543.9	1544.8	1545.6	1546.5	1547.4	1547.8	1548.1	1548.7	1549.2	1549.8	1550.4
152.5°	1578.8	1579.1	1579.4	1579.7	1580.0	1580.1	1580.2	1580.5	1580.8	1581.1	1581.4
155°	1611.1	1610.5	1609.9	1609.4	1608.8	1608.5	1608.6	1608.9	1609.2	1609.5	1609.8
157.5°	1636.9	1636.9	1636.9	1636.9	1636.9	1636.9	1636.8	1636.5	1636.2	1636.0	1635.7
160°	1660.2	1659.9	1659.6	1659.3	1659.0	1658.9	1658.8	1658.5	1658.2	1657.9	1657.6
162.5°	1682.2	1681.3	1680.5	1679.6	1678.7	1678.3	1678.2	1677.9	1677.6	1677.3	1677.0
165°	1699.0	1698.1	1697.3	1696.4	1695.5	1695.1	1695.0	1694.7	1694.4	1694.1	1693.8
167.5°	1713.2	1712.0	1710.9	1709.7	1708.6	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0
170°	1724.8	1723.6	1722.5	1721.3	1720.2	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6
172.5°	1732.6	1731.2	1729.7	1728.3	1726.8	1726.1	1726.2	1726.5	1726.8	1727.1	1727.4
175°	1739.0	1737.6	1736.2	1734.7	1733.3	1732.6	1732.7	1733.0	1733.3	1733.5	1733.8
177.5°	1741.6	1740.2	1738.7	1737.3	1735.8	1735.1	1735.2	1735.5	1735.8	1736.1	1736.4
180°	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1149.2	1151.3	1158.7	1164.0	1174.6	1173.5	1173.5	1172.5	1169.3	1174.6	1177.8
5°	1229.6	1247.5	1249.6	1272.9	1274.0	1283.5	1289.8	1284.5	1297.2	1296.2	1286.6
7.5°	1328.9	1353.3	1364.9	1387.1	1412.5	1406.1	1430.4	1434.7	1432.5	1443.1	1450.5
10°	1437.8	1480.1	1509.7	1551.0	1561.5	1567.9	1583.7	1597.5	1625.0	1603.8	1617.6
12.5°	1562.6	1593.2	1632.4	1697.9	1730.7	1751.8	1759.2	1768.7	1787.8	1776.1	1777.2
15°	1667.3	1708.5	1775.1	1856.5	1866.0	1892.4	1886.1	1943.2	1970.7	1929.4	1952.7
17.5°	1776.1	1831.1	1910.4	1981.2	2021.4	2039.4	2056.3	2111.3	2109.2	2102.8	2108.1
20°	1845.9	1935.8	2034.1	2128.2	2139.8	2153.6	2199.0	2222.3	2218.1	2236.0	2247.7
22.5°	1944.2	2039.4	2144.1	2206.4	2232.9	2248.7	2284.7	2299.5	2305.8	2310.0	2302.6
25°	2026.7	2128.2	2205.4	2260.4	2276.2	2284.7	2296.3	2300.5	2297.4	2290.0	2296.3
27.5°	2082.7	2164.2	2217.0	2242.4	2233.9	2220.2	2198.0	2183.2	2150.4	2134.5	2153.6
30°	2106.0	2141.9	2157.8	2115.5	2073.2	2039.4	1997.1	1918.9	1857.6	1875.5	1851.2
32.5°	2069.0	2045.7	1969.6	1860.7	1828.0	1773.0	1653.5	1561.5	1564.7	1516.1	1536.2
35°	1960.1	1854.4	1710.6	1545.7	1502.3	1472.7	1341.6	1321.5	1279.2	1233.8	1246.5
37.5°	1767.7	1613.3	1438.9	1317.3	1252.8	1188.3	1114.3	1069.9	1044.5	1025.5	1040.3
40°	1533.0	1344.8	1201.0	1092.1	1037.1	995.9	945.2	900.8	872.2	869.0	874.3
42.5°	1302.5	1143.9	1011.8	908.2	890.2	841.6	808.8	773.9	765.4	751.7	759.1
45°	1102.7	973.7	864.8	780.2	759.1	746.4	706.2	684.0	674.5	666.1	678.7
47.5°	957.9	822.5	743.2	692.5	671.3	650.2	628.0	613.2	605.8	606.9	605.8
50°	818.3	718.9	649.1	610.0	597.3	582.5	564.6	555.0	551.9	542.4	549.8
52.5°	704.1	632.2	583.6	546.6	537.1	526.5	511.7	506.4	499.0	496.9	496.9
55°	612.1	556.1	517.0	492.7	481.0	472.6	464.1	457.8	452.5	452.5	452.5
57.5°	540.2	491.6	463.1	441.9	437.7	429.2	419.7	419.7	412.3	411.3	414.4
60°	478.9	435.6	413.4	395.4	389.1	386.9	377.4	377.4	375.3	370.0	374.3
62.5°	416.5	384.8	365.8	352.1	345.7	345.7	338.3	333.0	333.0	334.1	332.0
65°	359.5	336.2	319.3	308.7	305.5	301.3	300.3	296.0	292.9	293.9	292.9
67.5°	308.7	290.7	279.1	270.7	265.4	263.3	260.1	260.1	258.0	259.0	253.7
70°	263.3	245.3	235.8	227.3	225.2	225.2	221.0	222.0	219.9	223.1	221.0
72.5°	216.7	203.0	195.6	192.4	190.3	189.2	187.1	185.0	184.0	186.1	185.0
75°	175.5	163.9	158.6	156.5	154.4	154.4	153.3	152.2	151.2	151.2	151.2
77.5°	136.4	129.0	122.6	124.8	121.6	122.6	119.5	119.5	120.5	119.5	119.5
80°	100.4	95.2	95.2	93.0	88.8	90.9	90.9	87.8	86.7	88.8	85.6
82.5°	66.6	65.5	63.4	62.4	60.3	61.3	60.3	59.2	58.1	60.3	58.1
85°	39.1	39.1	38.1	35.9	38.1	37.0	35.9	35.9	34.9	34.9	34.9
87.5°	20.1	18.0	18.0	16.9	18.0	15.9	16.9	15.9	14.8	15.9	14.8
90°	32.2	33.3	34.5	35.6	36.2	36.5	37.1	37.6	38.2	38.8	38.2
92.5°	35.6	37.6	39.6	41.6	42.6	42.7	43.0	43.3	43.6	43.9	43.6
95°	42.1	44.1	46.1	48.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
97.5°	43.6	45.9	48.2	50.5	51.7	51.8	52.1	52.4	52.7	53.0	52.7
100°	44.9	47.2	49.5	51.8	53.0	53.1	53.4	53.7	54.0	54.3	54.0
102.5°	86.1	76.7	67.2	57.7	53.0	53.3	53.9	54.4	55.0	55.6	55.0
105°	232.1	181.3	130.5	79.7	54.3	54.6	55.1	55.7	56.2	56.8	56.2
107.5°	458.4	414.2	369.9	325.7	303.6	284.8	247.2	209.6	172.0	134.4	172.0
110°	573.2	563.7	554.2	544.7	540.0	519.5	478.4	437.4	396.3	355.3	396.3

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	666.7	669.3	671.8	674.4	675.7	675.4	674.8	674.3	673.7	673.1	673.7
115°	744.5	747.3	750.2	753.1	754.5	755.1	756.2	757.4	758.5	759.7	758.5
117.5°	820.1	822.4	824.7	827.0	828.2	828.3	828.6	828.9	829.2	829.5	829.2
120°	893.8	896.1	898.4	900.7	901.8	901.8	901.8	901.8	901.8	901.8	901.8
122.5°	966.5	968.0	969.4	970.9	971.6	971.7	972.0	972.3	972.6	972.9	972.6
125°	1034.2	1034.8	1035.3	1035.9	1036.2	1036.5	1037.1	1037.6	1038.2	1038.8	1038.2
127.5°	1102.9	1103.8	1104.6	1105.5	1105.9	1105.6	1105.1	1104.5	1104.0	1103.4	1104.0
130°	1164.0	1165.1	1166.3	1167.4	1168.0	1167.7	1167.1	1166.6	1166.0	1165.4	1166.0
132.5°	1222.1	1223.2	1224.4	1225.5	1226.1	1225.7	1224.8	1223.9	1223.1	1222.2	1223.1
135°	1281.2	1282.1	1282.9	1283.8	1284.2	1283.8	1282.9	1282.1	1281.2	1280.4	1281.2
137.5°	1333.4	1334.9	1336.3	1337.8	1338.5	1338.2	1337.6	1337.1	1336.5	1335.9	1336.5
140°	1383.6	1384.7	1385.9	1387.0	1387.6	1387.3	1386.7	1386.2	1385.6	1385.0	1385.6
142.5°	1431.1	1431.9	1432.8	1433.7	1434.1	1433.7	1432.8	1431.9	1431.1	1430.2	1431.1
145°	1474.8	1475.3	1475.9	1476.4	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7
147.5°	1514.8	1515.4	1515.9	1516.5	1516.8	1516.1	1514.6	1513.2	1511.7	1510.3	1511.7
150°	1551.0	1551.6	1552.1	1552.7	1553.0	1552.6	1551.7	1550.8	1550.0	1549.1	1550.0
152.5°	1582.6	1583.7	1584.9	1586.0	1586.6	1585.9	1584.4	1583.0	1581.5	1580.1	1581.5
155°	1611.2	1612.7	1614.1	1615.6	1616.3	1615.4	1613.7	1612.0	1610.2	1608.5	1610.2
157.5°	1637.4	1639.1	1640.8	1642.5	1643.4	1642.3	1640.0	1637.7	1635.4	1633.1	1635.4
160°	1659.3	1661.1	1662.8	1664.5	1665.4	1664.4	1662.4	1660.3	1658.3	1656.3	1658.3
162.5°	1679.0	1681.0	1683.0	1685.0	1686.0	1685.1	1683.4	1681.7	1680.0	1678.3	1680.0
165°	1696.1	1698.4	1700.7	1703.0	1704.1	1703.1	1701.1	1699.1	1697.1	1695.1	1697.1
167.5°	1710.3	1712.6	1714.9	1717.2	1718.3	1717.2	1714.9	1712.6	1710.3	1708.0	1710.3
170°	1721.9	1724.2	1726.5	1728.8	1730.0	1728.8	1726.5	1724.2	1721.9	1719.6	1721.9
172.5°	1729.7	1732.0	1734.3	1736.6	1737.7	1736.4	1733.8	1731.3	1728.7	1726.1	1728.7
175°	1735.8	1737.8	1739.9	1741.9	1742.9	1741.8	1739.5	1737.2	1734.9	1732.6	1734.9
177.5°	1738.7	1741.0	1743.3	1745.6	1746.8	1745.4	1742.5	1739.6	1736.7	1733.8	1736.7
180°	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1169.3	1172.5	1164.0	1161.9	1161.9	1166.1	1163.0	1134.4	1139.7	1133.4	1131.2
5°	1298.3	1291.9	1283.5	1279.2	1274.0	1259.2	1258.1	1225.3	1219.0	1197.8	1188.3
7.5°	1439.9	1434.7	1409.3	1406.1	1404.0	1390.3	1355.4	1320.5	1295.1	1270.8	1247.5
10°	1601.7	1585.8	1574.2	1551.0	1539.3	1520.3	1474.8	1442.1	1398.7	1361.7	1313.1
12.5°	1796.2	1778.3	1739.1	1722.2	1707.4	1654.6	1609.1	1572.1	1487.5	1462.1	1401.9
15°	1939.0	1900.9	1896.7	1859.7	1857.6	1799.4	1712.7	1672.5	1607.0	1514.0	1451.6
17.5°	2093.3	2059.5	2033.1	1988.7	1982.3	1927.3	1863.9	1765.6	1693.7	1604.9	1525.6
20°	2206.4	2188.5	2143.0	2125.0	2088.0	2041.5	1976.0	1854.4	1766.6	1677.8	1580.6
22.5°	2296.3	2278.3	2242.4	2218.1	2196.9	2136.7	2058.4	1954.8	1834.3	1718.0	1617.6
25°	2295.2	2290.0	2275.2	2263.5	2247.7	2203.3	2137.7	2038.3	1904.1	1776.1	1636.6
27.5°	2165.2	2180.0	2205.4	2218.1	2214.9	2208.6	2171.6	2088.0	1967.5	1815.3	1658.8
30°	1894.6	1948.5	1996.1	2059.5	2078.5	2125.0	2146.2	2098.6	2002.4	1860.7	1687.3
32.5°	1571.0	1649.3	1752.9	1787.8	1848.0	1937.9	2038.3	2056.3	1996.1	1887.2	1705.3
35°	1288.8	1353.3	1433.6	1488.6	1542.5	1688.4	1815.3	1925.2	1945.3	1873.4	1701.1
37.5°	1066.7	1112.2	1183.0	1229.6	1279.2	1404.0	1581.6	1724.3	1824.8	1826.9	1689.5
40°	906.0	926.1	987.5	1021.3	1068.9	1176.7	1335.3	1521.4	1668.3	1736.0	1658.8
42.5°	767.5	794.0	844.7	870.1	900.8	994.9	1099.5	1276.1	1457.9	1602.8	1601.7
45°	685.1	704.1	727.4	748.5	783.4	839.4	958.9	1091.1	1265.5	1429.4	1493.9
47.5°	612.1	630.1	653.4	659.7	683.0	735.8	808.8	924.0	1086.8	1249.6	1371.2
50°	550.8	565.6	581.5	593.1	603.7	647.0	702.0	799.3	929.3	1086.8	1238.0
52.5°	503.2	513.8	527.6	533.9	543.4	575.1	617.4	689.3	796.1	939.9	1086.8
55°	458.8	466.2	474.7	485.3	489.5	512.8	545.5	606.9	686.1	815.1	954.7
57.5°	417.6	420.8	426.1	432.4	437.7	457.8	486.3	527.6	597.3	696.7	828.9
60°	371.1	379.5	382.7	389.1	392.2	408.1	430.3	465.2	519.1	604.7	704.1
62.5°	332.0	337.3	342.5	345.7	353.1	358.4	376.4	408.1	452.5	515.9	605.8
65°	297.1	299.2	302.4	305.5	307.7	314.0	330.9	352.1	385.9	441.9	511.7
67.5°	256.9	259.0	263.3	264.3	266.4	274.9	284.4	302.4	330.9	373.2	430.3
70°	217.8	221.0	223.1	225.2	228.4	231.5	242.1	256.9	279.1	308.7	353.1
72.5°	184.0	187.1	187.1	189.2	188.2	192.4	203.0	213.6	228.4	252.7	291.8
75°	150.1	150.1	152.2	153.3	154.4	158.6	162.8	171.3	182.9	201.9	226.2
77.5°	118.4	117.4	119.5	119.5	119.5	122.6	126.9	131.1	138.5	152.2	171.3
80°	86.7	86.7	88.8	89.9	87.8	88.8	90.9	95.2	100.4	110.0	120.5
82.5°	57.1	61.3	60.3	61.3	60.3	62.4	63.4	64.5	66.6	70.8	78.2
85°	34.9	34.9	34.9	35.9	34.9	35.9	35.9	35.9	37.0	39.1	42.3
87.5°	14.8	14.8	14.8	15.9	14.8	14.8	15.9	14.8	15.9	15.9	16.9
90°	37.6	37.1	36.5	36.2	35.6	34.5	33.3	32.2	31.0	27.3	23.5
92.5°	43.3	43.0	42.7	42.6	41.6	39.6	37.6	35.6	33.6	31.0	28.4
95°	49.1	49.1	49.1	49.1	48.1	46.1	44.1	42.1	40.1	36.9	33.7
97.5°	52.4	52.1	51.8	51.7	50.5	48.2	45.9	43.6	41.3	55.9	70.6
100°	53.7	53.4	53.1	53.0	51.8	49.5	47.2	44.9	42.6	87.4	132.2
102.5°	54.4	53.9	53.3	53.0	57.7	67.2	76.7	86.1	95.6	145.6	195.5
105°	55.7	55.1	54.6	54.3	79.7	130.5	181.3	232.1	282.9	308.7	334.6
107.5°	209.6	247.2	284.8	303.6	325.7	369.9	414.2	458.4	502.6	498.3	494.0
110°	437.4	478.4	519.5	540.0	544.7	554.2	563.7	573.2	582.7	579.5	576.4

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	674.3	674.8	675.4	675.7	674.4	671.8	669.3	666.7	664.1	660.9	657.8
115°	757.4	756.2	755.1	754.5	753.1	750.2	747.3	744.5	741.6	739.0	736.4
117.5°	828.9	828.6	828.3	828.2	827.0	824.7	822.4	820.1	817.8	816.4	815.0
120°	901.8	901.8	901.8	901.8	900.7	898.4	896.1	893.8	891.5	890.6	889.8
122.5°	972.3	972.0	971.7	971.6	970.9	969.4	968.0	966.5	965.1	963.9	962.8
125°	1037.6	1037.1	1036.5	1036.2	1035.9	1035.3	1034.8	1034.2	1033.6	1032.4	1031.3
127.5°	1104.5	1105.1	1105.6	1105.9	1105.5	1104.6	1103.8	1102.9	1102.1	1100.7	1099.2
130°	1166.6	1167.1	1167.7	1168.0	1167.4	1166.3	1165.1	1164.0	1162.8	1161.6	1160.5
132.5°	1223.9	1224.8	1225.7	1226.1	1225.5	1224.4	1223.2	1222.1	1220.9	1220.1	1219.2
135°	1282.1	1282.9	1283.8	1284.2	1283.8	1282.9	1282.1	1281.2	1280.4	1279.2	1278.1
137.5°	1337.1	1337.6	1338.2	1338.5	1337.8	1336.3	1334.9	1333.4	1332.0	1331.4	1330.9
140°	1386.2	1386.7	1387.3	1387.6	1387.0	1385.9	1384.7	1383.6	1382.4	1381.5	1380.7
142.5°	1431.9	1432.8	1433.7	1434.1	1433.7	1432.8	1431.9	1431.1	1430.2	1429.4	1428.5
145°	1476.7	1476.7	1476.7	1476.7	1476.4	1475.9	1475.3	1474.8	1474.2	1473.6	1473.0
147.5°	1513.2	1514.6	1516.1	1516.8	1516.5	1515.9	1515.4	1514.8	1514.2	1513.6	1513.0
150°	1550.8	1551.7	1552.6	1553.0	1552.7	1552.1	1551.6	1551.0	1550.4	1549.8	1549.2
152.5°	1583.0	1584.4	1585.9	1586.6	1586.0	1584.9	1583.7	1582.6	1581.4	1581.1	1580.8
155°	1612.0	1613.7	1615.4	1616.3	1615.6	1614.1	1612.7	1611.2	1609.8	1609.5	1609.2
157.5°	1637.7	1640.0	1642.3	1643.4	1642.5	1640.8	1639.1	1637.4	1635.7	1636.0	1636.2
160°	1660.3	1662.4	1664.4	1665.4	1664.5	1662.8	1661.1	1659.3	1657.6	1657.9	1658.2
162.5°	1681.7	1683.4	1685.1	1686.0	1685.0	1683.0	1681.0	1679.0	1677.0	1677.3	1677.6
165°	1699.1	1701.1	1703.1	1704.1	1703.0	1700.7	1698.4	1696.1	1693.8	1694.1	1694.4
167.5°	1712.6	1714.9	1717.2	1718.3	1717.2	1714.9	1712.6	1710.3	1708.0	1708.0	1708.0
170°	1724.2	1726.5	1728.8	1730.0	1728.8	1726.5	1724.2	1721.9	1719.6	1719.6	1719.6
172.5°	1731.3	1733.8	1736.4	1737.7	1736.6	1734.3	1732.0	1729.7	1727.4	1727.1	1726.8
175°	1737.2	1739.5	1741.8	1742.9	1741.9	1739.9	1737.8	1735.8	1733.8	1733.5	1733.3
177.5°	1739.6	1742.5	1745.4	1746.8	1745.6	1743.3	1741.0	1738.7	1736.4	1736.1	1735.8
180°	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1120.7	1117.5	1117.5	1115.4	1109.0	1097.4	1096.3	1098.5	1092.1	1085.8	1076.3
5°	1175.6	1155.6	1149.2	1142.9	1130.2	1109.0	1100.6	1093.2	1081.5	1067.8	1053.0
7.5°	1222.2	1193.6	1185.2	1173.5	1148.2	1118.5	1099.5	1083.7	1067.8	1048.8	1030.8
10°	1280.3	1239.1	1219.0	1202.1	1167.2	1126.0	1097.4	1074.1	1048.8	1025.5	1002.3
12.5°	1345.9	1279.2	1272.9	1231.7	1191.5	1130.2	1095.3	1061.5	1027.6	999.1	974.8
15°	1400.8	1327.9	1301.5	1274.0	1196.8	1120.7	1086.8	1048.8	1009.7	979.0	943.0
17.5°	1435.7	1375.5	1319.4	1282.4	1202.1	1134.4	1068.9	1025.5	984.3	942.0	912.4
20°	1478.0	1390.3	1341.6	1291.9	1212.6	1123.8	1058.3	1004.4	953.6	915.6	879.6
22.5°	1520.3	1401.9	1361.7	1307.8	1214.8	1113.3	1039.3	985.3	927.2	889.1	850.0
25°	1516.1	1418.8	1352.2	1306.7	1193.6	1103.7	1017.1	953.6	899.7	851.1	812.0
27.5°	1519.2	1399.8	1332.1	1279.2	1178.8	1090.0	993.8	927.2	871.2	820.4	779.2
30°	1520.3	1371.2	1312.0	1248.6	1151.3	1057.2	967.4	899.7	840.5	785.5	748.5
32.5°	1517.1	1348.0	1274.0	1216.9	1108.0	1025.5	936.7	864.8	804.6	753.8	718.9
35°	1509.7	1320.5	1234.8	1163.0	1063.6	980.1	908.2	834.2	769.7	723.1	683.0
37.5°	1489.6	1290.9	1193.6	1122.8	1011.8	927.2	863.8	802.4	740.1	685.1	651.3
40°	1474.8	1250.7	1152.4	1075.2	955.7	873.3	820.4	762.3	700.9	651.3	618.5
42.5°	1441.0	1212.6	1110.1	1018.1	900.8	816.2	766.5	720.0	667.1	618.5	588.9
45°	1386.0	1171.4	1058.3	965.3	840.5	760.1	714.7	676.6	630.1	583.6	554.0
47.5°	1308.9	1112.2	1003.3	910.3	781.3	699.9	654.4	625.9	588.9	549.8	524.4
50°	1225.3	1047.7	947.3	855.3	724.2	644.9	600.5	574.1	549.8	513.8	489.5
52.5°	1116.4	979.0	882.8	795.0	662.9	586.8	547.6	528.6	503.2	477.9	456.7
55°	1010.7	890.2	810.9	727.4	602.6	531.8	493.7	473.6	458.8	437.7	420.8
57.5°	888.1	807.7	734.8	658.7	546.6	482.1	446.2	421.8	412.3	402.8	386.9
60°	774.9	713.6	654.4	591.0	488.4	430.3	395.4	376.4	366.9	360.5	349.9
62.5°	671.3	623.8	573.0	522.3	429.2	376.4	349.9	330.9	322.5	321.4	311.9
65°	572.0	538.1	496.9	447.2	374.3	327.7	302.4	290.7	281.2	281.2	273.8
67.5°	472.6	449.3	416.5	381.7	324.6	281.2	258.0	247.4	242.1	242.1	236.8
70°	393.3	377.4	347.8	317.2	267.5	234.7	216.7	207.2	204.0	205.1	200.9
72.5°	319.3	302.4	278.1	255.8	218.8	194.5	181.8	171.3	166.0	167.0	166.0
75°	247.4	238.9	217.8	200.9	171.3	154.4	142.7	137.4	133.2	134.3	132.2
77.5°	186.1	173.4	161.8	150.1	132.2	118.4	108.9	103.6	100.4	100.4	100.4
80°	126.9	124.8	115.2	108.9	94.1	83.5	76.1	75.1	71.9	71.9	71.9
82.5°	82.5	77.2	71.9	67.7	59.2	52.9	49.7	47.6	46.5	45.5	47.6
85°	45.5	42.3	40.2	35.9	32.8	29.6	26.4	25.4	24.3	25.4	24.3
87.5°	18.0	14.8	14.8	13.7	12.7	11.6	11.6	9.5	9.5	8.5	8.5
90°	19.8	16.1	14.2	12.8	9.9	7.0	4.2	1.3	4.2	7.0	9.9
92.5°	25.9	23.3	22.0	22.9	24.6	26.3	28.0	29.7	28.0	26.3	24.6
95°	30.6	27.4	25.8	31.7	43.5	55.2	67.0	78.8	67.0	55.2	43.5
97.5°	85.2	99.9	107.2	111.2	119.3	127.3	135.4	143.4	135.4	127.3	119.3
100°	177.0	221.8	244.2	241.3	235.6	229.8	224.1	218.3	224.1	229.8	235.6
102.5°	245.5	295.4	320.4	318.5	314.8	311.1	307.3	303.6	307.3	311.1	314.8
105°	360.4	386.3	399.2	397.6	394.5	391.3	388.2	385.0	388.2	391.3	394.5
107.5°	489.7	485.4	483.2	481.9	479.3	476.8	474.2	471.6	474.2	476.8	479.3
110°	573.2	570.1	568.5	567.3	565.0	562.7	560.4	558.1	560.4	562.7	565.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	654.6	651.5	649.9	648.9	646.9	644.8	642.8	640.8	642.8	644.8	646.9
115°	733.9	731.3	730.0	729.1	727.4	725.7	723.9	722.2	723.9	725.7	727.4
117.5°	813.5	812.1	811.4	810.4	808.4	806.3	804.3	802.3	804.3	806.3	808.4
120°	888.9	888.0	887.6	886.3	883.7	881.2	878.6	876.0	878.6	881.2	883.7
122.5°	961.6	960.5	959.9	958.9	956.9	954.9	952.9	950.9	952.9	954.9	956.9
125°	1030.1	1029.0	1028.4	1027.3	1025.0	1022.7	1020.4	1018.1	1020.4	1022.7	1025.0
127.5°	1097.8	1096.3	1095.6	1094.5	1092.2	1089.9	1087.6	1085.3	1087.6	1089.9	1092.2
130°	1159.3	1158.2	1157.6	1156.5	1154.2	1151.9	1149.6	1147.3	1149.6	1151.9	1154.2
132.5°	1218.4	1217.5	1217.1	1215.9	1213.6	1211.3	1209.0	1206.7	1209.0	1211.3	1213.6
135°	1276.9	1275.8	1275.2	1274.3	1272.6	1270.9	1269.1	1267.4	1269.1	1270.9	1272.6
137.5°	1330.3	1329.8	1329.5	1328.3	1326.0	1323.7	1321.4	1319.1	1321.4	1323.7	1326.0
140°	1379.8	1378.9	1378.5	1377.6	1375.9	1374.2	1372.5	1370.8	1372.5	1374.2	1375.9
142.5°	1427.7	1426.8	1426.4	1425.5	1423.8	1422.1	1420.3	1418.6	1420.3	1422.1	1423.8
145°	1472.5	1471.9	1471.6	1470.6	1468.6	1466.5	1464.5	1462.5	1464.5	1466.5	1468.6
147.5°	1512.5	1511.9	1511.6	1510.9	1509.5	1508.0	1506.6	1505.2	1506.6	1508.0	1509.5
150°	1548.7	1548.1	1547.8	1547.4	1546.5	1545.6	1544.8	1543.9	1544.8	1545.6	1546.5
152.5°	1580.5	1580.2	1580.1	1580.0	1579.7	1579.4	1579.1	1578.8	1579.1	1579.4	1579.7
155°	1608.9	1608.6	1608.5	1608.8	1609.4	1609.9	1610.5	1611.1	1610.5	1609.9	1609.4
157.5°	1636.5	1636.8	1636.9	1636.9	1636.9	1636.9	1636.9	1636.9	1636.9	1636.9	1636.9
160°	1658.5	1658.8	1658.9	1659.0	1659.3	1659.6	1659.9	1660.2	1659.9	1659.6	1659.3
162.5°	1677.9	1678.2	1678.3	1678.7	1679.6	1680.5	1681.3	1682.2	1681.3	1680.5	1679.6
165°	1694.7	1695.0	1695.1	1695.5	1696.4	1697.3	1698.1	1699.0	1698.1	1697.3	1696.4
167.5°	1708.0	1708.0	1708.0	1708.6	1709.7	1710.9	1712.0	1713.2	1712.0	1710.9	1709.7
170°	1719.6	1719.6	1719.6	1720.2	1721.3	1722.5	1723.6	1724.8	1723.6	1722.5	1721.3
172.5°	1726.5	1726.2	1726.1	1726.8	1728.3	1729.7	1731.2	1732.6	1731.2	1729.7	1728.3
175°	1733.0	1732.7	1732.6	1733.3	1734.7	1736.2	1737.6	1739.0	1737.6	1736.2	1734.7
177.5°	1735.5	1735.2	1735.1	1735.8	1737.3	1738.7	1740.2	1741.6	1740.2	1738.7	1737.3
180°	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1074.1	1073.1	1075.2	1068.9	1058.3	1053.0	1038.2	1035.0	1034.0	1035.0	1036.1
5°	1044.5	1043.5	1040.3	1029.7	1017.1	1007.5	989.6	988.5	982.2	975.8	979.0
7.5°	1016.0	1011.8	1005.4	991.7	974.8	964.2	949.4	938.8	930.4	925.1	920.8
10°	987.5	981.1	974.8	956.8	935.6	919.8	901.8	893.4	883.8	879.6	875.4
12.5°	950.5	944.1	932.5	911.3	898.6	878.6	860.6	852.1	846.8	838.4	833.1
15°	920.8	908.2	901.8	879.6	853.2	851.1	818.3	816.2	805.6	805.6	797.2
17.5°	887.0	877.5	865.9	843.7	824.6	805.6	788.7	782.4	772.8	770.7	766.5
20°	854.2	841.6	837.3	815.1	795.0	771.8	753.8	747.5	743.2	739.0	742.2
22.5°	820.4	809.8	799.3	779.2	764.4	741.1	730.5	724.2	717.9	715.7	716.8
25°	787.6	778.1	767.5	747.5	731.6	712.6	703.1	699.9	696.7	696.7	695.7
27.5°	755.9	746.4	736.9	718.9	703.1	689.3	681.9	678.7	675.6	677.7	679.8
30°	723.1	714.7	706.2	690.4	677.7	665.0	660.8	658.7	657.6	662.9	662.9
32.5°	693.5	686.1	679.8	665.0	652.3	641.7	638.6	639.6	640.7	643.9	646.0
35°	662.9	657.6	651.3	638.6	628.0	618.5	619.5	619.5	621.7	626.9	631.2
37.5°	635.4	628.0	622.7	612.1	603.7	595.2	598.4	601.6	603.7	610.0	612.1
40°	602.6	599.4	595.2	584.6	577.2	576.2	577.2	579.4	583.6	586.8	589.9
42.5°	576.2	572.0	566.7	558.2	551.9	552.9	554.0	556.1	558.2	563.5	566.7
45°	546.6	543.4	539.2	531.8	526.5	527.6	528.6	528.6	530.7	537.1	539.2
47.5°	513.8	514.9	509.6	502.2	499.0	499.0	499.0	501.1	506.4	508.5	509.6
50°	482.1	480.0	478.9	471.5	469.4	468.4	469.4	470.5	477.9	476.8	480.0
52.5°	448.3	448.3	447.2	443.0	439.8	439.8	437.7	443.0	445.1	447.2	450.4
55°	415.5	412.3	411.3	409.1	404.9	403.9	406.0	412.3	414.4	416.5	419.7
57.5°	379.5	379.5	377.4	374.3	374.3	374.3	374.3	378.5	381.7	383.8	390.1
60°	346.8	342.5	339.4	339.4	339.4	338.3	344.7	344.7	351.0	352.1	354.2
62.5°	307.7	305.5	303.4	304.5	303.4	305.5	307.7	311.9	312.9	316.1	319.3
65°	270.7	270.7	268.5	274.9	270.7	270.7	275.9	275.9	278.1	281.2	285.5
67.5°	234.7	235.8	233.6	233.6	235.8	236.8	237.9	242.1	243.2	247.4	252.7
70°	197.7	199.8	200.9	198.8	200.9	203.0	205.1	206.2	210.4	212.5	215.7
72.5°	164.9	167.0	163.9	164.9	166.0	168.1	169.2	171.3	173.4	179.7	181.8
75°	132.2	131.1	130.0	134.3	132.2	136.4	137.4	137.4	139.6	144.8	147.0
77.5°	101.5	101.5	102.6	100.4	103.6	102.6	103.6	106.8	110.0	110.0	118.4
80°	70.8	72.9	72.9	72.9	74.0	75.1	72.9	78.2	79.3	79.3	82.5
82.5°	45.5	46.5	45.5	47.6	47.6	49.7	48.6	49.7	51.8	53.9	55.0
85°	24.3	24.3	26.4	26.4	25.4	26.4	25.4	26.4	28.5	28.5	29.6
87.5°	8.5	8.5	8.5	8.5	9.5	8.5	9.5	9.5	8.5	8.5	11.6
90°	12.8	14.2	16.1	19.8	23.5	27.3	31.0	32.2	33.3	34.5	35.6
92.5°	22.9	22.0	23.3	25.9	28.4	31.0	33.6	35.6	37.6	39.6	41.6
95°	31.7	25.8	27.4	30.6	33.7	36.9	40.1	42.1	44.1	46.1	48.1
97.5°	111.2	107.2	99.9	85.2	70.6	55.9	41.3	43.6	45.9	48.2	50.5
100°	241.3	244.2	221.8	177.0	132.2	87.4	42.6	44.9	47.2	49.5	51.8
102.5°	318.5	320.4	295.4	245.5	195.5	145.6	95.6	86.1	76.7	67.2	57.7
105°	397.6	399.2	386.3	360.4	334.6	308.7	282.9	232.1	181.3	130.5	79.7
107.5°	481.9	483.2	485.4	489.7	494.0	498.3	502.6	458.4	414.2	369.9	325.7
110°	567.3	568.5	570.1	573.2	576.4	579.5	582.7	573.2	563.7	554.2	544.7

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	648.9	649.9	651.5	654.6	657.8	660.9	664.1	666.7	669.3	671.8	674.4
115°	729.1	730.0	731.3	733.9	736.4	739.0	741.6	744.5	747.3	750.2	753.1
117.5°	810.4	811.4	812.1	813.5	815.0	816.4	817.8	820.1	822.4	824.7	827.0
120°	886.3	887.6	888.0	888.9	889.8	890.6	891.5	893.8	896.1	898.4	900.7
122.5°	958.9	959.9	960.5	961.6	962.8	963.9	965.1	966.5	968.0	969.4	970.9
125°	1027.3	1028.4	1029.0	1030.1	1031.3	1032.4	1033.6	1034.2	1034.8	1035.3	1035.9
127.5°	1094.5	1095.6	1096.3	1097.8	1099.2	1100.7	1102.1	1102.9	1103.8	1104.6	1105.5
130°	1156.5	1157.6	1158.2	1159.3	1160.5	1161.6	1162.8	1164.0	1165.1	1166.3	1167.4
132.5°	1215.9	1217.1	1217.5	1218.4	1219.2	1220.1	1220.9	1222.1	1223.2	1224.4	1225.5
135°	1274.3	1275.2	1275.8	1276.9	1278.1	1279.2	1280.4	1281.2	1282.1	1282.9	1283.8
137.5°	1328.3	1329.5	1329.8	1330.3	1330.9	1331.4	1332.0	1333.4	1334.9	1336.3	1337.8
140°	1377.6	1378.5	1378.9	1379.8	1380.7	1381.5	1382.4	1383.6	1384.7	1385.9	1387.0
142.5°	1425.5	1426.4	1426.8	1427.7	1428.5	1429.4	1430.2	1431.1	1431.9	1432.8	1433.7
145°	1470.6	1471.6	1471.9	1472.5	1473.0	1473.6	1474.2	1474.8	1475.3	1475.9	1476.4
147.5°	1510.9	1511.6	1511.9	1512.5	1513.0	1513.6	1514.2	1514.8	1515.4	1515.9	1516.5
150°	1547.4	1547.8	1548.1	1548.7	1549.2	1549.8	1550.4	1551.0	1551.6	1552.1	1552.7
152.5°	1580.0	1580.1	1580.2	1580.5	1580.8	1581.1	1581.4	1582.6	1583.7	1584.9	1586.0
155°	1608.8	1608.5	1608.6	1608.9	1609.2	1609.5	1609.8	1611.2	1612.7	1614.1	1615.6
157.5°	1636.9	1636.9	1636.8	1636.5	1636.2	1636.0	1635.7	1637.4	1639.1	1640.8	1642.5
160°	1659.0	1658.9	1658.8	1658.5	1658.2	1657.9	1657.6	1659.3	1661.1	1662.8	1664.5
162.5°	1678.7	1678.3	1678.2	1677.9	1677.6	1677.3	1677.0	1679.0	1681.0	1683.0	1685.0
165°	1695.5	1695.1	1695.0	1694.7	1694.4	1694.1	1693.8	1696.1	1698.4	1700.7	1703.0
167.5°	1708.6	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1710.3	1712.6	1714.9	1717.2
170°	1720.2	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1721.9	1724.2	1726.5	1728.8
172.5°	1726.8	1726.1	1726.2	1726.5	1726.8	1727.1	1727.4	1729.7	1732.0	1734.3	1736.6
175°	1733.3	1732.6	1732.7	1733.0	1733.3	1733.5	1733.8	1735.8	1737.8	1739.9	1741.9
177.5°	1735.8	1735.1	1735.2	1735.5	1735.8	1736.1	1736.4	1738.7	1741.0	1743.3	1745.6
180°	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1035.0	1036.1	1031.9	1028.7	1037.1	1031.9	1031.9	1032.9	1030.8	1034.0	1032.9
5°	976.9	977.9	970.5	972.7	968.4	967.4	966.3	972.7	971.6	970.5	972.7
7.5°	919.8	919.8	916.6	914.5	914.5	911.3	915.6	914.5	916.6	916.6	919.8
10°	872.2	874.3	869.0	863.8	862.7	863.8	863.8	864.8	865.9	873.3	872.2
12.5°	833.1	829.9	828.9	825.7	820.4	818.3	816.2	827.8	824.6	824.6	824.6
15°	789.8	797.2	796.1	786.6	784.5	788.7	786.6	786.6	797.2	796.1	795.0
17.5°	766.5	764.4	762.3	757.0	758.0	757.0	758.0	758.0	764.4	764.4	764.4
20°	740.1	735.8	735.8	733.7	733.7	730.5	734.8	735.8	740.1	740.1	741.1
22.5°	716.8	713.6	713.6	712.6	714.7	710.5	714.7	715.7	715.7	718.9	718.9
25°	696.7	694.6	694.6	696.7	696.7	696.7	696.7	700.9	697.8	698.8	697.8
27.5°	678.7	679.8	680.9	681.9	680.9	681.9	683.0	685.1	686.1	685.1	683.0
30°	661.8	665.0	666.1	666.1	668.2	669.2	670.3	670.3	671.3	668.2	670.3
32.5°	649.1	649.1	651.3	652.3	654.4	655.5	655.5	657.6	656.5	653.4	654.4
35°	631.2	631.2	635.4	637.5	640.7	639.6	640.7	640.7	641.7	639.6	636.5
37.5°	613.2	615.3	615.3	619.5	620.6	621.7	620.6	622.7	621.7	619.5	618.5
40°	592.0	591.0	592.0	595.2	596.3	596.3	596.3	598.4	598.4	598.4	597.3
42.5°	565.6	568.8	567.7	570.9	569.8	569.8	572.0	574.1	575.1	572.0	573.0
45°	540.2	540.2	542.4	542.4	543.4	543.4	547.6	545.5	547.6	545.5	546.6
47.5°	512.8	513.8	513.8	514.9	517.0	519.1	517.0	518.0	518.0	519.1	517.0
50°	482.1	482.1	484.2	487.4	491.6	489.5	488.4	492.7	489.5	489.5	487.4
52.5°	450.4	453.6	454.6	457.8	461.0	462.0	463.1	461.0	462.0	458.8	459.9
55°	419.7	420.8	425.0	428.2	431.4	431.4	430.3	431.4	432.4	428.2	428.2
57.5°	389.1	392.2	396.5	396.5	400.7	400.7	399.6	399.6	400.7	397.5	396.5
60°	356.3	359.5	364.7	364.7	371.1	372.1	370.0	367.9	367.9	364.7	365.8
62.5°	321.4	324.6	327.7	333.0	337.3	335.1	339.4	335.1	336.2	329.9	329.9
65°	290.7	291.8	297.1	302.4	302.4	304.5	302.4	303.4	300.3	300.3	296.0
67.5°	254.8	254.8	260.1	265.4	270.7	270.7	270.7	267.5	267.5	264.3	264.3
70°	223.1	222.0	227.3	230.5	233.6	234.7	232.6	231.5	229.4	226.2	225.2
72.5°	184.0	186.1	191.4	193.5	198.8	197.7	203.0	196.6	196.6	191.4	190.3
75°	149.1	151.2	156.5	159.6	162.8	162.8	166.0	162.8	158.6	156.5	155.4
77.5°	118.4	117.4	121.6	126.9	127.9	126.9	129.0	127.9	123.7	123.7	121.6
80°	84.6	87.8	92.0	90.9	95.2	94.1	94.1	92.0	92.0	88.8	90.9
82.5°	56.0	59.2	60.3	59.2	60.3	62.4	63.4	62.4	62.4	60.3	61.3
85°	29.6	29.6	31.7	32.8	31.7	31.7	32.8	35.9	33.8	31.7	33.8
87.5°	9.5	8.5	8.5	9.5	8.5	8.5	9.5	9.5	10.6	10.6	10.6
90°	36.2	36.5	37.1	37.6	38.2	38.8	38.2	37.6	37.1	36.5	36.2
92.5°	42.6	42.7	43.0	43.3	43.6	43.9	43.6	43.3	43.0	42.7	42.6
95°	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
97.5°	51.7	51.8	52.1	52.4	52.7	53.0	52.7	52.4	52.1	51.8	51.7
100°	53.0	53.1	53.4	53.7	54.0	54.3	54.0	53.7	53.4	53.1	53.0
102.5°	53.0	53.3	53.9	54.4	55.0	55.6	55.0	54.4	53.9	53.3	53.0
105°	54.3	54.6	55.1	55.7	56.2	56.8	56.2	55.7	55.1	54.6	54.3
107.5°	303.6	284.8	247.2	209.6	172.0	134.4	172.0	209.6	247.2	284.8	303.6
110°	540.0	519.5	478.4	437.4	396.3	355.3	396.3	437.4	478.4	519.5	540.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	675.7	675.4	674.8	674.3	673.7	673.1	673.7	674.3	674.8	675.4	675.7
115°	754.5	755.1	756.2	757.4	758.5	759.7	758.5	757.4	756.2	755.1	754.5
117.5°	828.2	828.3	828.6	828.9	829.2	829.5	829.2	828.9	828.6	828.3	828.2
120°	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8	901.8
122.5°	971.6	971.7	972.0	972.3	972.6	972.9	972.6	972.3	972.0	971.7	971.6
125°	1036.2	1036.5	1037.1	1037.6	1038.2	1038.8	1038.2	1037.6	1037.1	1036.5	1036.2
127.5°	1105.9	1105.6	1105.1	1104.5	1104.0	1103.4	1104.0	1104.5	1105.1	1105.6	1105.9
130°	1168.0	1167.7	1167.1	1166.6	1166.0	1165.4	1166.0	1166.6	1167.1	1167.7	1168.0
132.5°	1226.1	1225.7	1224.8	1223.9	1223.1	1222.2	1223.1	1223.9	1224.8	1225.7	1226.1
135°	1284.2	1283.8	1282.9	1282.1	1281.2	1280.4	1281.2	1282.1	1282.9	1283.8	1284.2
137.5°	1338.5	1338.2	1337.6	1337.1	1336.5	1335.9	1336.5	1337.1	1337.6	1338.2	1338.5
140°	1387.6	1387.3	1386.7	1386.2	1385.6	1385.0	1385.6	1386.2	1386.7	1387.3	1387.6
142.5°	1434.1	1433.7	1432.8	1431.9	1431.1	1430.2	1431.1	1431.9	1432.8	1433.7	1434.1
145°	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7	1476.7
147.5°	1516.8	1516.1	1514.6	1513.2	1511.7	1510.3	1511.7	1513.2	1514.6	1516.1	1516.8
150°	1553.0	1552.6	1551.7	1550.8	1550.0	1549.1	1550.0	1550.8	1551.7	1552.6	1553.0
152.5°	1586.6	1585.9	1584.4	1583.0	1581.5	1580.1	1581.5	1583.0	1584.4	1585.9	1586.6
155°	1616.3	1615.4	1613.7	1612.0	1610.2	1608.5	1610.2	1612.0	1613.7	1615.4	1616.3
157.5°	1643.4	1642.3	1640.0	1637.7	1635.4	1633.1	1635.4	1637.7	1640.0	1642.3	1643.4
160°	1665.4	1664.4	1662.4	1660.3	1658.3	1656.3	1658.3	1660.3	1662.4	1664.4	1665.4
162.5°	1686.0	1685.1	1683.4	1681.7	1680.0	1678.3	1680.0	1681.7	1683.4	1685.1	1686.0
165°	1704.1	1703.1	1701.1	1699.1	1697.1	1695.1	1697.1	1699.1	1701.1	1703.1	1704.1
167.5°	1718.3	1717.2	1714.9	1712.6	1710.3	1708.0	1710.3	1712.6	1714.9	1717.2	1718.3
170°	1730.0	1728.8	1726.5	1724.2	1721.9	1719.6	1721.9	1724.2	1726.5	1728.8	1730.0
172.5°	1737.7	1736.4	1733.8	1731.3	1728.7	1726.1	1728.7	1731.3	1733.8	1736.4	1737.7
175°	1742.9	1741.8	1739.5	1737.2	1734.9	1732.6	1734.9	1737.2	1739.5	1741.8	1742.9
177.5°	1746.8	1745.4	1742.5	1739.6	1736.7	1733.8	1736.7	1739.6	1742.5	1745.4	1746.8
180°	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1036.1	1038.2	1039.3	1035.0	1031.9	1037.1	1044.5	1049.8	1054.1	1059.3	1062.5
5°	974.8	982.2	982.2	984.3	987.5	992.7	1006.5	1016.0	1024.5	1030.8	1036.1
7.5°	923.0	928.2	931.4	936.7	942.0	949.4	965.3	979.0	991.7	999.1	1007.5
10°	876.4	880.7	886.0	889.1	898.6	909.2	929.3	940.9	955.7	967.4	977.9
12.5°	832.0	846.8	850.0	849.0	857.4	869.0	889.1	907.1	923.0	934.6	946.2
15°	800.3	805.6	812.0	810.9	828.9	832.0	849.0	870.1	891.2	898.6	909.2
17.5°	765.4	773.9	780.2	783.4	788.7	800.3	816.2	832.0	859.5	860.6	888.1
20°	737.9	746.4	750.6	754.9	758.0	771.8	785.5	803.5	825.7	837.3	852.1
22.5°	720.0	724.2	727.4	730.5	734.8	742.2	759.1	779.2	794.0	806.7	816.2
25°	698.8	703.1	707.3	709.4	712.6	716.8	729.5	745.3	766.5	774.9	784.5
27.5°	684.0	684.0	686.1	686.1	690.4	694.6	704.1	718.9	735.8	746.4	759.1
30°	668.2	667.1	668.2	667.1	666.1	672.4	680.9	693.5	705.2	717.9	726.3
32.5°	652.3	651.3	651.3	652.3	648.1	651.3	655.5	667.1	679.8	686.1	695.7
35°	635.4	633.3	633.3	633.3	631.2	629.1	633.3	643.9	652.3	660.8	668.2
37.5°	618.5	615.3	615.3	613.2	611.1	607.9	607.9	616.4	628.0	631.2	640.7
40°	595.2	595.2	593.1	592.0	589.9	587.8	584.6	592.0	602.6	605.8	613.2
42.5°	572.0	568.8	567.7	567.7	567.7	564.6	562.4	567.7	574.1	579.4	583.6
45°	545.5	543.4	544.5	543.4	541.3	540.2	539.2	541.3	548.7	550.8	556.1
47.5°	517.0	515.9	515.9	514.9	513.8	514.9	510.6	515.9	518.0	520.2	524.4
50°	487.4	486.3	485.3	484.2	484.2	485.3	484.2	484.2	488.4	490.6	494.8
52.5°	457.8	454.6	454.6	453.6	453.6	451.4	453.6	454.6	456.7	458.8	461.0
55°	426.1	426.1	422.9	422.9	420.8	420.8	421.8	420.8	425.0	427.1	427.1
57.5°	395.4	391.2	392.2	390.1	388.0	386.9	386.9	389.1	391.2	391.2	393.3
60°	362.6	358.4	357.3	353.1	355.2	352.1	353.1	353.1	357.3	355.2	357.3
62.5°	329.9	324.6	321.4	319.3	319.3	320.3	318.2	317.2	319.3	321.4	325.6
65°	295.0	291.8	288.6	285.5	285.5	284.4	286.5	283.3	282.3	283.3	285.5
67.5°	259.0	255.8	252.7	249.5	250.6	247.4	245.3	248.4	246.3	247.4	249.5
70°	224.1	222.0	215.7	213.6	212.5	213.6	212.5	210.4	213.6	212.5	213.6
72.5°	189.2	187.1	184.0	178.7	178.7	177.6	176.6	176.6	175.5	175.5	175.5
75°	155.4	151.2	148.0	147.0	144.8	143.8	142.7	140.6	141.7	142.7	140.6
77.5°	120.5	115.2	114.2	114.2	111.0	111.0	112.1	111.0	110.0	110.0	110.0
80°	88.8	84.6	84.6	82.5	80.3	80.3	80.3	80.3	79.3	78.2	79.3
82.5°	57.1	56.0	55.0	55.0	57.1	52.9	55.0	53.9	52.9	52.9	51.8
85°	31.7	32.8	31.7	32.8	30.7	31.7	31.7	31.7	30.7	31.7	29.6
87.5°	11.6	11.6	11.6	12.7	12.7	12.7	12.7	12.7	13.7	12.7	12.7
90°	35.6	34.5	33.3	32.2	31.0	27.3	23.5	19.8	16.1	14.2	12.8
92.5°	41.6	39.6	37.6	35.6	33.6	31.0	28.4	25.9	23.3	22.0	22.9
95°	48.1	46.1	44.1	42.1	40.1	36.9	33.7	30.6	27.4	25.8	31.7
97.5°	50.5	48.2	45.9	43.6	41.3	55.9	70.6	85.2	99.9	107.2	111.2
100°	51.8	49.5	47.2	44.9	42.6	87.4	132.2	177.0	221.8	244.2	241.3
102.5°	57.7	67.2	76.7	86.1	95.6	145.6	195.5	245.5	295.4	320.4	318.5
105°	79.7	130.5	181.3	232.1	282.9	308.7	334.6	360.4	386.3	399.2	397.6
107.5°	325.7	369.9	414.2	458.4	502.6	498.3	494.0	489.7	485.4	483.2	481.9
110°	544.7	554.2	563.7	573.2	582.7	579.5	576.4	573.2	570.1	568.5	567.3

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	674.4	671.8	669.3	666.7	664.1	660.9	657.8	654.6	651.5	649.9	648.9
115°	753.1	750.2	747.3	744.5	741.6	739.0	736.4	733.9	731.3	730.0	729.1
117.5°	827.0	824.7	822.4	820.1	817.8	816.4	815.0	813.5	812.1	811.4	810.4
120°	900.7	898.4	896.1	893.8	891.5	890.6	889.8	888.9	888.0	887.6	886.3
122.5°	970.9	969.4	968.0	966.5	965.1	963.9	962.8	961.6	960.5	959.9	958.9
125°	1035.9	1035.3	1034.8	1034.2	1033.6	1032.4	1031.3	1030.1	1029.0	1028.4	1027.3
127.5°	1105.5	1104.6	1103.8	1102.9	1102.1	1100.7	1099.2	1097.8	1096.3	1095.6	1094.5
130°	1167.4	1166.3	1165.1	1164.0	1162.8	1161.6	1160.5	1159.3	1158.2	1157.6	1156.5
132.5°	1225.5	1224.4	1223.2	1222.1	1220.9	1220.1	1219.2	1218.4	1217.5	1217.1	1215.9
135°	1283.8	1282.9	1282.1	1281.2	1280.4	1279.2	1278.1	1276.9	1275.8	1275.2	1274.3
137.5°	1337.8	1336.3	1334.9	1333.4	1332.0	1331.4	1330.9	1330.3	1329.8	1329.5	1328.3
140°	1387.0	1385.9	1384.7	1383.6	1382.4	1381.5	1380.7	1379.8	1378.9	1378.5	1377.6
142.5°	1433.7	1432.8	1431.9	1431.1	1430.2	1429.4	1428.5	1427.7	1426.8	1426.4	1425.5
145°	1476.4	1475.9	1475.3	1474.8	1474.2	1473.6	1473.0	1472.5	1471.9	1471.6	1470.6
147.5°	1516.5	1515.9	1515.4	1514.8	1514.2	1513.6	1513.0	1512.5	1511.9	1511.6	1510.9
150°	1552.7	1552.1	1551.6	1551.0	1550.4	1549.8	1549.2	1548.7	1548.1	1547.8	1547.4
152.5°	1586.0	1584.9	1583.7	1582.6	1581.4	1581.1	1580.8	1580.5	1580.2	1580.1	1580.0
155°	1615.6	1614.1	1612.7	1611.2	1609.8	1609.5	1609.2	1608.9	1608.6	1608.5	1608.8
157.5°	1642.5	1640.8	1639.1	1637.4	1635.7	1636.0	1636.2	1636.5	1636.8	1636.9	1636.9
160°	1664.5	1662.8	1661.1	1659.3	1657.6	1657.9	1658.2	1658.5	1658.8	1658.9	1659.0
162.5°	1685.0	1683.0	1681.0	1679.0	1677.0	1677.3	1677.6	1677.9	1678.2	1678.3	1678.7
165°	1703.0	1700.7	1698.4	1696.1	1693.8	1694.1	1694.4	1694.7	1695.0	1695.1	1695.5
167.5°	1717.2	1714.9	1712.6	1710.3	1708.0	1708.0	1708.0	1708.0	1708.0	1708.0	1708.6
170°	1728.8	1726.5	1724.2	1721.9	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1720.2
172.5°	1736.6	1734.3	1732.0	1729.7	1727.4	1727.1	1726.8	1726.5	1726.2	1726.1	1726.8
175°	1741.9	1739.9	1737.8	1735.8	1733.8	1733.5	1733.3	1733.0	1732.7	1732.6	1733.3
177.5°	1745.6	1743.3	1741.0	1738.7	1736.4	1736.1	1735.8	1735.5	1735.2	1735.1	1735.8
180°	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0	1739.0

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1091.1	1091.1	1091.1	1091.1
2.5°	1067.8	1071.0	1081.5	1094.2
5°	1046.7	1055.1	1069.9	1090.0
7.5°	1023.4	1036.1	1057.2	1082.6
10°	997.0	1014.9	1041.4	1073.1
12.5°	968.4	991.7	1025.5	1058.3
15°	950.5	973.7	1004.4	1040.3
17.5°	915.6	943.0	974.8	1025.5
20°	879.6	910.3	951.5	1002.3
22.5°	852.1	884.9	924.0	977.9
25°	819.4	853.2	895.5	951.5
27.5°	784.5	818.3	865.9	925.1
30°	758.0	790.8	836.3	899.7
32.5°	726.3	758.0	805.6	872.2
35°	690.4	726.3	771.8	839.4
37.5°	662.9	695.7	743.2	807.7
40°	633.3	661.8	708.3	771.8
42.5°	601.6	633.3	673.5	736.9
45°	572.0	595.2	636.5	696.7
47.5°	540.2	566.7	598.4	644.9
50°	506.4	528.6	563.5	595.2
52.5°	473.6	491.6	521.2	545.5
55°	438.8	456.7	478.9	493.7
57.5°	406.0	418.7	433.5	443.0
60°	365.8	378.5	388.0	397.5
62.5°	329.9	339.4	344.7	349.9
65°	292.9	298.1	301.3	305.5
67.5°	252.7	258.0	259.0	265.4
70°	215.7	216.7	218.8	222.0
72.5°	180.8	182.9	181.8	184.0
75°	144.8	147.0	144.8	147.0
77.5°	110.0	112.1	112.1	115.2
80°	79.3	80.3	81.4	81.4
82.5°	51.8	55.0	52.9	53.9
85°	29.6	30.7	30.7	31.7
87.5°	13.7	14.8	13.7	15.9
90°	9.9	7.0	4.2	1.3
92.5°	24.6	26.3	28.0	29.7
95°	43.5	55.2	67.0	78.8
97.5°	119.3	127.3	135.4	143.4
100°	235.6	229.8	224.1	218.3
102.5°	314.8	311.1	307.3	303.6
105°	394.5	391.3	388.2	385.0
107.5°	479.3	476.8	474.2	471.6
110°	565.0	562.7	560.4	558.1

TEST NUMBER: P1030957

CATALOG NUMBER: S123DIW-B775D1320UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	646.9	644.8	642.8	640.8
115°	727.4	725.7	723.9	722.2
117.5°	808.4	806.3	804.3	802.3
120°	883.7	881.2	878.6	876.0
122.5°	956.9	954.9	952.9	950.9
125°	1025.0	1022.7	1020.4	1018.1
127.5°	1092.2	1089.9	1087.6	1085.3
130°	1154.2	1151.9	1149.6	1147.3
132.5°	1213.6	1211.3	1209.0	1206.7
135°	1272.6	1270.9	1269.1	1267.4
137.5°	1326.0	1323.7	1321.4	1319.1
140°	1375.9	1374.2	1372.5	1370.8
142.5°	1423.8	1422.1	1420.3	1418.6
145°	1468.6	1466.5	1464.5	1462.5
147.5°	1509.5	1508.0	1506.6	1505.2
150°	1546.5	1545.6	1544.8	1543.9
152.5°	1579.7	1579.4	1579.1	1578.8
155°	1609.4	1609.9	1610.5	1611.1
157.5°	1636.9	1636.9	1636.9	1636.9
160°	1659.3	1659.6	1659.9	1660.2
162.5°	1679.6	1680.5	1681.3	1682.2
165°	1696.4	1697.3	1698.1	1699.0
167.5°	1709.7	1710.9	1712.0	1713.2
170°	1721.3	1722.5	1723.6	1724.8
172.5°	1728.3	1729.7	1731.2	1732.6
175°	1734.7	1736.2	1737.6	1739.0
177.5°	1737.3	1738.7	1740.2	1741.6
180°	1739.0	1739.0	1739.0	1739.0

(END OF REPORT)