

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: P1031237

Luminaire Tested: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031237
REPORT IS A COMBINATION OF REPORTS P994697 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

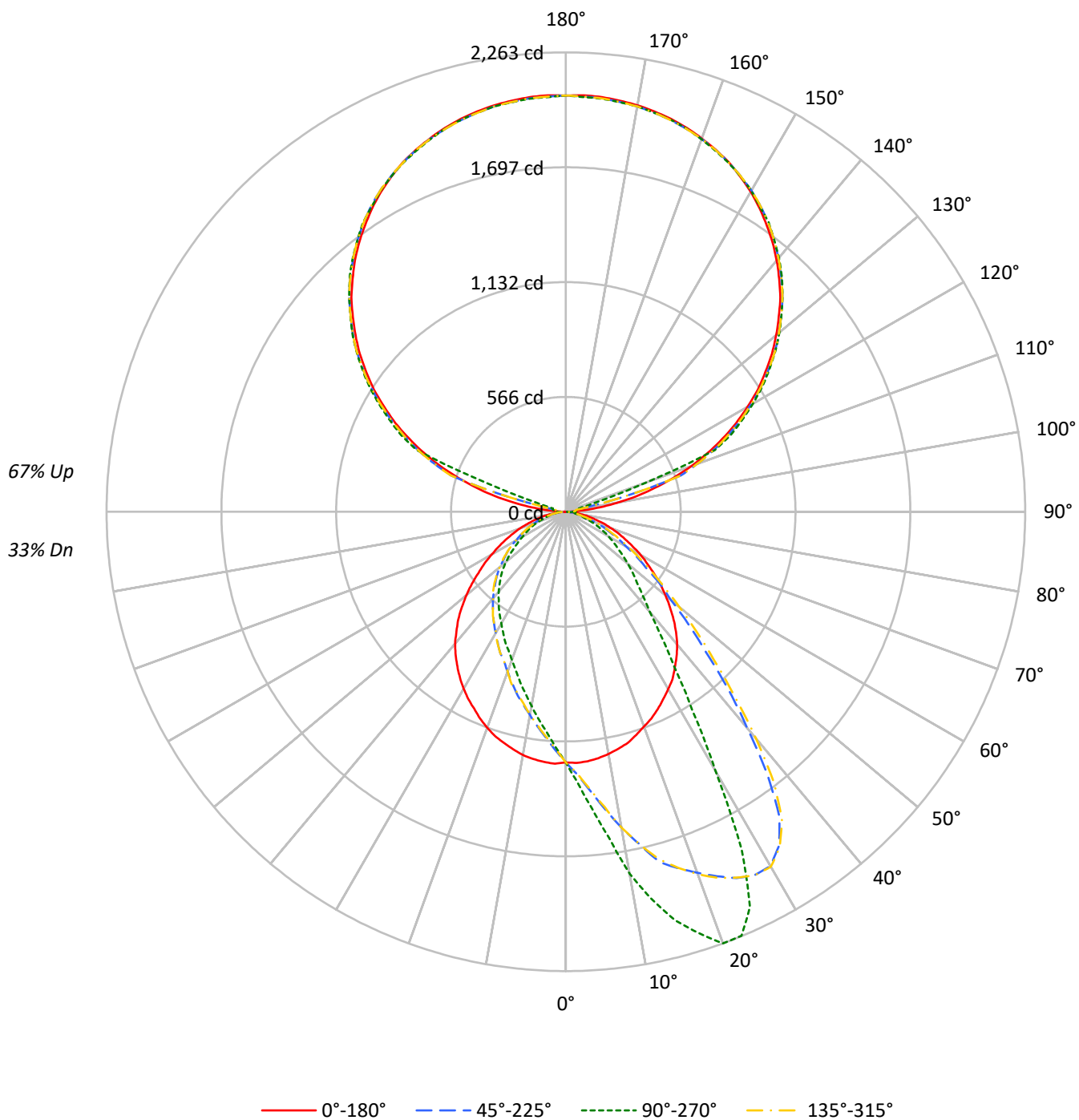
Lumens per Lamp: N/A
Luminaire Lumens: 9330.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 88.1
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: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	41	41	41	33		
1	94	90	87	83	85	82	79	76	65	63	61	50	49	48	36	36	35	29		
2	86	79	74	69	78	72	67	63	58	54	51	45	42	40	32	31	30	25		
3	79	70	63	58	71	63	58	53	51	47	44	40	37	35	29	27	26	21		
4	72	62	55	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19		
5	66	55	48	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16		
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	19	18	15		
7	57	45	37	32	51	41	34	30	33	29	25	26	23	20	20	18	16	13		
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14	12		
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11		
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12	10		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13292	13292	13292	13292
5°	13303	15310	13337	11357
10°	13186	18481	13242	9920
15°	13050	20974	13050	8747
20°	12782	22624	12854	7759
25°	12586	21495	12562	7080
30°	12359	14892	12332	6416
35°	12084	9562	12030	5915
40°	11742	6752	11684	5417
45°	11149	5403	11132	4932
50°	10419	4520	10384	4365
55°	9598	3725	9522	3700
60°	8792	3079	8706	3146
65°	7847	2464	7898	2667
70°	6973	1712	7162	2156
75°	5911	1270	6155	1658
80°	4707	842	5109	1244
85°	3352	399	3660	774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17746 cd/sqm

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	1.3
10°-20°	379.6	4.1
20°-30°	597.9	6.4
30°-40°	621.7	6.7
40°-50°	531.9	5.7
50°-60°	405.5	4.3
60°-70°	259.8	2.8
70°-80°	124.5	1.3
80°-90°	36.8	0.4
90°-100°	72.3	0.8
100°-110°	349.6	3.7
110°-120°	856.7	9.2
120°-130°	1087.5	11.7
130°-140°	1161.8	12.5
140°-150°	1086.4	11.6
150°-160°	876.3	9.4
160°-170°	565.5	6.1
170°-180°	194.9	2.1
0°-30°	1098.8	11.8
0°-40°	1720.5	18.4
0°-60°	2658.0	28.5
0°-90°	3079.1	33.0
90°-120°	1278.6	13.7
90°-150°	4614.2	49.5
90°-180°	6251.0	67.0
0°-180°	9330.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1235	1235	1235	1235	1235	
5°	1234	1466	1237	1088	1234	117
15°	1179	2084	1179	869	1179	332
25°	1072	2147	1070	707	1072	494
35°	936	932	932	576	936	586
45°	751	497	750	454	751	578
55°	530	312	526	310	530	475
65°	325	180	327	194	325	324
75°	155	76	162	99	155	168
85°	35	18	38	35	35	39
90°	2	46	2	46	2	7
95°	93	58	93	58	93	111
105°	454	67	454	67	454	481
115°	852	896	852	896	852	841
125°	1200	1225	1200	1225	1200	1073
135°	1494	1510	1494	1510	1494	1151
145°	1724	1741	1724	1741	1724	1080
155°	1900	1897	1900	1897	1900	875
165°	2003	1999	2003	1999	2003	566
175°	2050	2043	2050	2043	2050	195
180°	2050	2050	2050	2050	2050	

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4FO-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1238.1	1246.5	1252.9	1257.1	1267.7	1274.0	1279.3	1288.8	1288.8	1290.9	1295.2
5°	1233.9	1251.8	1264.5	1281.4	1303.6	1314.2	1329.0	1341.7	1359.7	1369.2	1378.7
7.5°	1224.3	1249.7	1276.1	1301.5	1334.3	1355.4	1370.2	1403.0	1426.3	1454.8	1477.0
10°	1211.7	1246.5	1280.4	1319.5	1363.9	1395.6	1417.8	1461.2	1505.6	1545.8	1579.6
12.5°	1195.8	1238.1	1286.7	1334.3	1396.7	1428.4	1464.3	1518.3	1581.7	1632.5	1677.9
15°	1178.9	1227.5	1282.5	1340.6	1418.9	1463.3	1515.1	1580.6	1651.5	1724.4	1786.8
17.5°	1152.4	1213.8	1275.1	1359.7	1451.7	1478.1	1522.5	1612.4	1700.1	1765.7	1841.8
20°	1126.0	1194.7	1271.9	1348.0	1447.4	1508.7	1550.0	1645.1	1739.2	1818.5	1891.5
22.5°	1101.7	1173.6	1253.9	1350.2	1443.2	1504.5	1556.3	1655.7	1764.6	1853.4	1943.3
25°	1072.1	1150.3	1239.1	1330.1	1443.2	1489.7	1546.8	1662.1	1777.3	1879.9	1990.9
27.5°	1040.4	1119.7	1207.4	1300.5	1404.1	1472.8	1528.8	1652.5	1793.2	1903.1	2017.3
30°	1008.7	1090.1	1174.6	1258.2	1374.5	1440.0	1504.5	1640.9	1801.6	1927.4	2015.2
32.5°	978.0	1046.7	1130.2	1211.7	1326.9	1398.8	1471.7	1629.3	1804.8	1910.5	1952.8
35°	935.7	1007.6	1075.3	1162.0	1278.3	1349.1	1434.7	1628.2	1791.0	1856.6	1835.5
37.5°	896.6	956.8	1021.3	1098.5	1218.0	1310.0	1398.8	1600.7	1745.6	1749.8	1630.3
40°	853.2	902.9	956.8	1038.3	1167.2	1258.2	1354.4	1558.4	1663.1	1600.7	1390.3
42.5°	803.5	847.9	890.2	969.5	1110.2	1211.7	1315.3	1505.6	1543.6	1399.8	1181.0
45°	750.7	786.6	825.7	909.3	1049.9	1150.3	1253.9	1424.2	1385.0	1182.0	973.8
47.5°	695.7	726.4	764.4	840.5	985.4	1087.9	1186.3	1307.9	1208.5	990.7	816.2
50°	640.7	665.0	702.0	780.3	919.8	1012.9	1103.8	1183.1	1043.5	850.1	674.5
52.5°	586.8	605.8	643.9	710.5	845.8	934.6	1000.2	1030.9	889.2	702.0	585.7
55°	529.7	550.8	576.2	643.9	778.2	843.7	887.1	886.0	740.1	595.3	484.2
57.5°	474.7	493.8	516.0	583.6	692.5	736.9	773.9	756.0	617.5	487.4	415.5
60°	426.1	436.7	461.0	518.1	600.5	638.6	659.7	629.1	504.3	411.3	343.6
62.5°	373.2	383.8	403.9	457.8	508.6	528.6	546.6	507.5	416.6	335.2	293.9
65°	324.6	338.3	351.0	394.4	421.9	446.2	444.1	411.3	325.6	272.8	238.9
67.5°	282.3	287.6	298.2	324.6	337.3	355.2	356.3	319.3	262.2	222.0	201.9
70°	236.8	242.1	249.5	262.2	270.7	274.9	272.8	240.0	197.7	173.4	155.4
72.5°	197.7	196.7	201.9	201.9	210.4	209.3	203.0	177.6	150.1	130.0	119.5
75°	155.4	156.5	157.5	155.4	152.2	148.0	142.7	123.7	105.7	96.2	86.7
77.5°	121.6	119.5	120.5	113.1	108.9	104.7	97.3	87.8	73.0	70.8	66.6
80°	86.7	85.6	84.6	81.4	71.9	67.7	62.4	57.1	53.9	51.8	50.7
82.5°	58.2	58.2	56.0	49.7	44.4	41.2	40.2	38.1	34.9	34.9	33.8
85°	34.9	33.8	31.7	25.4	22.2	22.2	22.2	22.2	20.1	20.1	19.0
87.5°	13.7	12.7	9.5	9.5	8.5	8.5	8.5	7.4	7.4	6.3	6.3
90°	1.5	4.9	8.3	11.7	15.1	16.8	19.0	23.4	27.8	32.2	36.6
92.5°	35.0	33.0	31.0	28.9	26.9	25.9	27.4	30.5	33.5	36.6	39.6
95°	92.9	79.0	65.2	51.3	37.4	30.5	32.4	36.1	39.8	43.5	47.2
97.5°	169.1	159.6	150.1	140.6	131.1	126.4	117.8	100.5	83.2	66.0	48.7
100°	257.4	264.2	271.0	277.7	284.5	287.9	261.5	208.7	155.9	103.1	50.3
102.5°	358.0	362.4	366.8	371.2	375.6	377.8	348.3	289.4	230.5	171.6	112.7
105°	454.0	457.7	461.4	465.1	468.8	470.7	455.5	425.0	394.5	364.1	333.6
107.5°	556.0	559.0	562.1	565.1	568.2	569.7	572.2	577.3	582.4	587.5	592.6
110°	658.1	660.8	663.5	666.2	668.9	670.3	672.2	675.9	679.6	683.3	687.0

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	755.6	758.0	760.3	762.7	765.0	766.2	768.1	771.8	775.5	779.3	783.0
115°	851.6	853.6	855.6	857.7	859.7	860.7	862.2	865.3	868.3	871.4	874.4
117.5°	946.0	948.4	950.8	953.1	955.5	956.7	957.5	959.2	960.9	962.6	964.3
120°	1032.8	1035.8	1038.9	1041.9	1045.0	1046.5	1047.0	1048.0	1049.1	1050.1	1051.1
122.5°	1121.2	1123.6	1125.9	1128.3	1130.6	1131.8	1132.5	1133.8	1135.2	1136.5	1137.9
125°	1200.4	1203.1	1205.8	1208.5	1211.2	1212.6	1213.3	1214.6	1216.0	1217.3	1218.7
127.5°	1279.6	1282.3	1285.0	1287.7	1290.4	1291.8	1292.6	1294.3	1296.0	1297.7	1299.4
130°	1352.7	1355.4	1358.1	1360.8	1363.5	1364.9	1365.6	1366.9	1368.3	1369.6	1371.0
132.5°	1422.8	1425.5	1428.2	1430.9	1433.6	1435.0	1435.5	1436.5	1437.6	1438.6	1439.6
135°	1494.4	1496.4	1498.4	1500.5	1502.5	1503.5	1504.2	1505.5	1506.9	1508.2	1509.6
137.5°	1555.3	1558.0	1560.7	1563.4	1566.1	1567.5	1567.8	1568.5	1569.2	1569.9	1570.6
140°	1616.3	1618.3	1620.3	1622.4	1624.4	1625.4	1625.9	1626.9	1628.0	1629.0	1630.0
142.5°	1672.6	1674.6	1676.7	1678.7	1680.8	1681.8	1682.3	1683.3	1684.3	1685.3	1686.3
145°	1724.4	1726.8	1729.2	1731.5	1733.9	1735.1	1735.4	1736.1	1736.8	1737.4	1738.1
147.5°	1774.7	1776.4	1778.1	1779.8	1781.5	1782.3	1782.6	1783.3	1784.0	1784.7	1785.4
150°	1820.4	1821.4	1822.4	1823.5	1824.5	1825.0	1825.3	1826.0	1826.7	1827.3	1828.0
152.5°	1861.5	1861.9	1862.2	1862.6	1862.9	1863.1	1863.3	1863.6	1863.9	1864.3	1864.6
155°	1899.6	1898.9	1898.3	1897.6	1896.9	1896.6	1896.8	1897.1	1897.4	1897.8	1898.1
157.5°	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1929.9	1929.6	1929.3	1928.9	1928.6
160°	1957.5	1957.2	1956.8	1956.5	1956.2	1956.0	1955.8	1955.5	1955.2	1954.8	1954.5
162.5°	1983.4	1982.4	1981.4	1980.3	1979.3	1978.8	1978.6	1978.3	1978.0	1977.6	1977.3
165°	2003.2	2002.2	2001.2	2000.1	1999.1	1998.6	1998.4	1998.1	1997.8	1997.4	1997.1
167.5°	2020.0	2018.6	2017.3	2015.9	2014.6	2013.9	2013.9	2013.9	2013.9	2013.9	2013.9
170°	2033.7	2032.3	2031.0	2029.6	2028.3	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6
172.5°	2042.8	2041.1	2039.4	2037.7	2036.0	2035.2	2035.4	2035.7	2036.0	2036.4	2036.7
175°	2050.4	2048.7	2047.0	2045.3	2043.6	2042.8	2043.0	2043.3	2043.6	2044.0	2044.3
177.5°	2053.5	2051.8	2050.1	2048.4	2046.7	2045.9	2046.1	2046.4	2046.7	2047.1	2047.4
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1303.6	1303.6	1313.2	1322.7	1317.4	1320.6	1332.2	1328.0	1336.4	1335.4	1338.5
5°	1402.0	1413.6	1423.1	1443.2	1446.4	1443.2	1463.3	1468.6	1478.1	1466.5	1471.7
7.5°	1513.0	1537.3	1560.6	1590.2	1599.7	1601.8	1612.4	1627.2	1639.9	1616.6	1628.2
10°	1620.8	1657.8	1705.4	1731.8	1755.1	1763.6	1772.0	1781.5	1796.3	1810.1	1799.5
12.5°	1737.1	1791.0	1836.5	1884.1	1912.6	1909.5	1933.8	1940.1	1951.8	1954.9	1959.2
15°	1832.3	1908.4	1937.0	2007.8	2014.1	2035.3	2062.8	2087.1	2090.3	2083.9	2083.9
17.5°	1923.2	1988.8	2039.5	2096.6	2108.2	2126.2	2161.1	2172.7	2177.0	2175.9	2175.9
20°	1997.2	2040.6	2126.2	2173.8	2192.8	2216.1	2240.4	2255.2	2258.4	2262.6	2256.3
22.5°	2045.9	2111.4	2181.2	2220.3	2236.2	2244.6	2260.5	2264.7	2259.4	2260.5	2261.5
25°	2083.9	2148.4	2190.7	2201.3	2200.2	2189.6	2178.0	2157.9	2155.8	2147.4	2130.4
27.5°	2094.5	2118.8	2113.5	2070.2	2026.8	2022.6	1952.8	1914.7	1871.4	1877.7	1853.4
30°	2037.4	2005.7	1930.6	1820.6	1775.2	1701.2	1622.9	1541.5	1509.8	1474.9	1539.4
32.5°	1897.8	1784.7	1651.5	1508.7	1432.6	1367.1	1283.5	1224.3	1190.5	1162.0	1216.9
35°	1687.4	1510.9	1334.3	1199.0	1136.6	1077.4	999.1	969.5	927.2	931.5	936.8
37.5°	1416.8	1222.2	1089.0	955.8	914.6	890.2	833.1	787.7	772.9	768.6	768.6
40°	1163.0	1003.4	885.0	780.3	748.6	728.5	683.0	661.9	646.0	641.8	647.1
42.5°	962.1	825.7	733.8	664.0	641.8	616.4	597.4	570.9	567.8	560.4	569.9
45°	807.8	689.4	620.6	569.9	550.8	541.3	520.2	504.3	498.0	496.9	504.3
47.5°	685.1	593.1	532.9	501.2	486.4	476.8	458.9	452.5	446.2	448.3	445.1
50°	575.2	506.4	467.3	438.8	429.3	419.7	408.1	401.8	398.6	398.6	397.5
52.5°	493.8	436.7	411.3	384.9	380.6	375.3	362.6	358.4	353.1	352.1	356.3
55°	422.9	383.8	358.4	342.6	338.3	327.8	322.5	317.2	314.0	311.9	313.0
57.5°	361.6	332.0	315.1	301.3	293.9	289.7	280.2	279.1	277.0	277.0	276.0
60°	310.8	289.7	269.6	261.2	255.9	250.6	249.5	243.2	240.0	242.1	241.1
62.5°	263.3	246.3	234.7	225.2	222.0	217.8	214.6	212.5	209.3	210.4	210.4
65°	219.9	206.2	197.7	189.3	188.2	184.0	182.9	180.8	180.8	179.7	181.9
67.5°	180.8	171.3	163.9	158.6	155.4	156.5	152.2	149.1	149.1	148.0	151.2
70°	143.8	138.5	131.1	124.8	120.5	120.5	115.2	114.2	114.2	114.2	113.1
72.5°	111.0	101.5	98.3	96.2	96.2	96.2	94.1	94.1	93.0	94.1	93.0
75°	82.5	81.4	79.3	78.2	78.2	77.2	76.1	76.1	76.1	76.1	76.1
77.5°	64.5	64.5	62.4	61.3	61.3	61.3	60.3	60.3	59.2	59.2	59.2
80°	47.6	47.6	45.5	45.5	45.5	44.4	44.4	44.4	45.5	44.4	44.4
82.5°	32.8	32.8	31.7	32.8	31.7	30.7	30.7	30.7	29.6	30.7	30.7
85°	19.0	19.0	18.0	16.9	18.0	18.0	16.9	18.0	16.9	18.0	16.9
87.5°	7.4	6.3	6.3	6.3	5.3	6.3	5.3	5.3	6.3	5.3	6.3
90°	38.0	39.3	40.7	42.0	42.7	43.0	43.7	44.4	45.0	45.7	45.0
92.5°	42.0	44.4	46.7	49.1	50.3	50.5	50.8	51.1	51.5	51.8	51.5
95°	49.6	52.0	54.3	56.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
97.5°	51.4	54.1	56.8	59.5	60.9	61.1	61.4	61.8	62.1	62.5	62.1
100°	53.0	55.7	58.4	61.1	62.5	62.7	63.0	63.3	63.7	64.0	63.7
102.5°	101.5	90.4	79.2	68.1	62.5	62.8	63.5	64.2	64.8	65.5	64.8
105°	273.7	213.8	153.9	94.0	64.0	64.3	65.0	65.7	66.3	67.0	66.3
107.5°	540.5	488.3	436.2	384.1	358.0	335.8	291.5	247.1	202.8	158.4	202.8
110°	675.8	664.7	653.5	642.4	636.8	612.6	564.2	515.7	467.3	418.9	467.3

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	786.0	789.1	792.1	795.2	796.7	796.4	795.7	795.0	794.4	793.7	794.4
115°	877.8	881.2	884.5	887.9	889.6	890.3	891.6	893.0	894.3	895.7	894.3
117.5°	967.0	969.7	972.4	975.1	976.5	976.7	977.0	977.3	977.7	978.0	977.7
120°	1053.8	1056.5	1059.2	1061.9	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3
122.5°	1139.6	1141.3	1143.0	1144.7	1145.6	1145.8	1146.1	1146.4	1146.8	1147.1	1146.8
125°	1219.4	1220.0	1220.7	1221.4	1221.7	1222.0	1222.7	1223.4	1224.1	1224.8	1224.1
127.5°	1300.4	1301.4	1302.5	1303.5	1304.0	1303.7	1303.0	1302.3	1301.6	1300.9	1301.6
130°	1372.4	1373.7	1375.1	1376.4	1377.1	1376.8	1376.1	1375.4	1374.8	1374.1	1374.8
132.5°	1441.0	1442.3	1443.7	1445.0	1445.7	1445.2	1444.2	1443.1	1442.1	1441.1	1442.1
135°	1510.6	1511.6	1512.7	1513.7	1514.2	1513.7	1512.7	1511.6	1510.6	1509.6	1510.6
137.5°	1572.3	1574.0	1575.7	1577.4	1578.2	1577.9	1577.2	1576.5	1575.8	1575.1	1575.8
140°	1631.4	1632.7	1634.1	1635.4	1636.1	1635.8	1635.1	1634.4	1633.7	1633.0	1633.7
142.5°	1687.3	1688.3	1689.4	1690.4	1690.9	1690.4	1689.4	1688.3	1687.3	1686.3	1687.3
145°	1738.8	1739.5	1740.2	1740.9	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2
147.5°	1786.1	1786.7	1787.4	1788.1	1788.4	1787.6	1785.9	1784.2	1782.5	1780.8	1782.5
150°	1828.7	1829.4	1830.1	1830.8	1831.1	1830.6	1829.6	1828.5	1827.5	1826.5	1827.5
152.5°	1866.0	1867.3	1868.7	1870.0	1870.7	1869.9	1868.2	1866.5	1864.8	1863.1	1864.8
155°	1899.8	1901.5	1903.2	1904.9	1905.7	1904.7	1902.7	1900.6	1898.6	1896.6	1898.6
157.5°	1930.6	1932.6	1934.7	1936.7	1937.7	1936.3	1933.6	1930.9	1928.2	1925.5	1928.2
160°	1956.5	1958.5	1960.6	1962.6	1963.6	1962.4	1960.0	1957.7	1955.3	1952.9	1955.3
162.5°	1979.7	1982.1	1984.4	1986.8	1988.0	1987.0	1984.9	1982.9	1980.8	1978.8	1980.8
165°	1999.8	2002.5	2005.2	2007.9	2009.3	2008.1	2005.7	2003.4	2001.0	1998.6	2001.0
167.5°	2016.6	2019.3	2022.0	2024.7	2026.1	2024.7	2022.0	2019.3	2016.6	2013.9	2016.6
170°	2030.3	2033.0	2035.7	2038.4	2039.8	2038.4	2035.7	2033.0	2030.3	2027.6	2030.3
172.5°	2039.4	2042.1	2044.8	2047.5	2048.9	2047.4	2044.3	2041.3	2038.2	2035.2	2038.2
175°	2046.7	2049.1	2051.4	2053.8	2055.0	2053.6	2050.9	2048.2	2045.5	2042.8	2045.5
177.5°	2050.1	2052.8	2055.5	2058.2	2059.6	2057.9	2054.5	2051.1	2047.7	2044.3	2047.7
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1333.2	1326.9	1322.7	1319.5	1316.3	1325.8	1313.2	1299.4	1289.9	1283.5	1281.4
5°	1472.8	1459.1	1447.4	1437.9	1440.0	1440.0	1417.8	1393.5	1372.4	1360.7	1348.0
7.5°	1634.6	1619.8	1596.5	1591.2	1587.0	1560.6	1538.4	1493.9	1467.5	1441.1	1417.8
10°	1795.3	1776.2	1754.0	1746.6	1736.1	1703.3	1669.5	1612.4	1579.6	1531.0	1500.3
12.5°	1945.4	1922.1	1899.9	1894.7	1878.8	1850.3	1792.1	1732.9	1676.9	1625.1	1571.1
15°	2071.2	2064.9	2031.1	2009.9	1975.0	1935.9	1923.2	1842.9	1772.0	1718.1	1620.8
17.5°	2177.0	2147.4	2115.6	2101.9	2088.1	2042.7	1997.2	1914.7	1838.6	1759.3	1696.9
20°	2261.5	2228.8	2206.6	2186.5	2180.1	2128.3	2056.4	1983.5	1899.9	1811.1	1729.7
22.5°	2265.8	2261.5	2246.7	2235.1	2222.4	2188.6	2131.5	2040.6	1951.8	1854.5	1747.7
25°	2178.0	2171.7	2214.0	2203.4	2211.8	2199.2	2168.5	2092.4	1988.8	1874.6	1766.7
27.5°	1913.7	1978.2	2044.8	2068.1	2083.9	2129.4	2144.2	2101.9	2018.4	1896.8	1776.2
30°	1554.2	1639.9	1747.7	1805.8	1850.3	1934.8	2044.8	2058.5	2019.4	1922.1	1774.1
32.5°	1220.1	1298.3	1385.0	1453.8	1513.0	1686.4	1834.4	1941.2	1960.2	1909.5	1779.4
35°	983.3	1017.1	1099.6	1165.1	1245.5	1393.5	1568.0	1740.3	1856.6	1862.9	1763.6
37.5°	810.9	828.9	900.8	937.8	985.4	1115.4	1278.3	1503.5	1684.3	1769.9	1719.2
40°	671.4	712.6	753.8	775.0	808.8	898.7	1055.2	1231.7	1455.9	1614.5	1650.4
42.5°	582.6	600.5	627.0	656.6	677.7	756.0	860.6	1022.4	1224.3	1445.3	1544.7
45°	513.8	520.2	547.7	566.7	588.9	643.9	717.9	853.2	1030.9	1248.7	1417.8
47.5°	456.7	469.4	484.2	495.9	510.7	553.0	616.4	714.7	871.2	1065.7	1247.6
50°	406.0	413.4	432.4	437.7	448.3	477.9	526.5	601.6	730.6	886.0	1074.2
52.5°	358.4	372.2	379.6	387.0	396.5	420.8	452.5	513.8	611.1	757.0	916.7
55°	321.4	325.6	336.2	342.6	350.0	366.9	394.4	439.8	516.0	632.3	783.5
57.5°	285.5	285.5	296.0	301.3	308.7	321.4	345.7	380.6	435.6	522.3	660.8
60°	247.4	248.5	256.9	263.3	265.4	278.1	298.2	325.6	367.9	431.4	544.5
62.5°	213.6	218.9	223.1	225.2	232.6	240.0	256.9	276.0	305.6	361.6	441.9
65°	185.0	186.1	189.3	191.4	194.5	203.0	215.7	228.4	253.7	295.0	360.5
67.5°	152.2	156.5	160.7	160.7	163.9	168.1	180.8	191.4	210.4	234.7	279.1
70°	114.2	116.3	122.6	125.8	130.0	137.4	143.8	150.1	164.9	182.9	216.7
72.5°	95.2	95.2	97.3	98.3	98.3	103.6	113.1	119.5	126.9	139.6	162.8
75°	76.1	76.1	79.3	78.2	80.4	82.5	83.5	87.8	92.0	101.5	115.2
77.5°	60.3	61.3	61.3	62.4	62.4	63.4	64.5	66.6	68.7	74.0	80.4
80°	44.4	45.5	45.5	46.5	46.5	47.6	48.6	49.7	51.8	53.9	57.1
82.5°	30.7	31.7	31.7	32.8	31.7	32.8	33.8	33.8	34.9	37.0	38.1
85°	18.0	18.0	19.0	18.0	18.0	18.0	19.0	19.0	20.1	23.3	23.3
87.5°	5.3	6.3	5.3	6.3	6.3	6.3	6.3	7.4	7.4	8.5	9.5
90°	44.4	43.7	43.0	42.7	42.0	40.7	39.3	38.0	36.6	32.2	27.8
92.5°	51.1	50.8	50.5	50.3	49.1	46.7	44.4	42.0	39.6	36.6	33.5
95°	57.9	57.9	57.9	57.9	56.7	54.3	52.0	49.6	47.2	43.5	39.8
97.5°	61.8	61.4	61.1	60.9	59.5	56.8	54.1	51.4	48.7	46.0	43.2
100°	63.3	63.0	62.7	62.5	61.1	58.4	55.7	53.0	50.3	47.6	44.9
102.5°	64.2	63.5	62.8	62.5	61.8	59.2	56.5	53.8	51.1	48.4	45.7
105°	65.7	65.0	64.3	64.0	63.0	60.0	57.0	54.0	51.0	48.0	45.0
107.5°	247.1	291.5	335.8	358.0	384.1	436.2	488.3	540.5	592.6	644.7	696.8
110°	515.7	564.2	612.6	636.8	642.4	653.5	664.7	675.8	687.0	698.1	709.2

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	795.0	795.7	796.4	796.7	795.2	792.1	789.1	786.0	783.0	779.3	775.5
115°	893.0	891.6	890.3	889.6	887.9	884.5	881.2	877.8	874.4	871.4	868.3
117.5°	977.3	977.0	976.7	976.5	975.1	972.4	969.7	967.0	964.3	962.6	960.9
120°	1063.3	1063.3	1063.3	1063.3	1061.9	1059.2	1056.5	1053.8	1051.1	1050.1	1049.1
122.5°	1146.4	1146.1	1145.8	1145.6	1144.7	1143.0	1141.3	1139.6	1137.9	1136.5	1135.2
125°	1223.4	1222.7	1222.0	1221.7	1221.4	1220.7	1220.0	1219.4	1218.7	1217.3	1216.0
127.5°	1302.3	1303.0	1303.7	1304.0	1303.5	1302.5	1301.4	1300.4	1299.4	1297.7	1296.0
130°	1375.4	1376.1	1376.8	1377.1	1376.4	1375.1	1373.7	1372.4	1371.0	1369.6	1368.3
132.5°	1443.1	1444.2	1445.2	1445.7	1445.0	1443.7	1442.3	1441.0	1439.6	1438.6	1437.6
135°	1511.6	1512.7	1513.7	1514.2	1513.7	1512.7	1511.6	1510.6	1509.6	1508.2	1506.9
137.5°	1576.5	1577.2	1577.9	1578.2	1577.4	1575.7	1574.0	1572.3	1570.6	1569.9	1569.2
140°	1634.4	1635.1	1635.8	1636.1	1635.4	1634.1	1632.7	1631.4	1630.0	1629.0	1628.0
142.5°	1688.3	1689.4	1690.4	1690.9	1690.4	1689.4	1688.3	1687.3	1686.3	1685.3	1684.3
145°	1741.2	1741.2	1741.2	1741.2	1740.9	1740.2	1739.5	1738.8	1738.1	1737.4	1736.8
147.5°	1784.2	1785.9	1787.6	1788.4	1788.1	1787.4	1786.7	1786.1	1785.4	1784.7	1784.0
150°	1828.5	1829.6	1830.6	1831.1	1830.8	1830.1	1829.4	1828.7	1828.0	1827.3	1826.7
152.5°	1866.5	1868.2	1869.9	1870.7	1870.0	1868.7	1867.3	1866.0	1864.6	1864.3	1863.9
155°	1900.6	1902.7	1904.7	1905.7	1904.9	1903.2	1901.5	1899.8	1898.1	1897.8	1897.4
157.5°	1930.9	1933.6	1936.3	1937.7	1936.7	1934.7	1932.6	1930.6	1928.6	1928.9	1929.3
160°	1957.7	1960.0	1962.4	1963.6	1962.6	1960.6	1958.5	1956.5	1954.5	1954.8	1955.2
162.5°	1982.9	1984.9	1987.0	1988.0	1986.8	1984.4	1982.1	1979.7	1977.3	1977.6	1978.0
165°	2003.4	2005.7	2008.1	2009.3	2007.9	2005.2	2002.5	1999.8	1997.1	1997.4	1997.8
167.5°	2019.3	2022.0	2024.7	2026.1	2024.7	2022.0	2019.3	2016.6	2013.9	2013.9	2013.9
170°	2033.0	2035.7	2038.4	2039.8	2038.4	2035.7	2033.0	2030.3	2027.6	2027.6	2027.6
172.5°	2041.3	2044.3	2047.4	2048.9	2047.5	2044.8	2042.1	2039.4	2036.7	2036.4	2036.0
175°	2048.2	2050.9	2053.6	2055.0	2053.8	2051.4	2049.1	2046.7	2044.3	2044.0	2043.6
177.5°	2051.1	2054.5	2057.9	2059.6	2058.2	2055.5	2052.8	2050.1	2047.4	2047.1	2046.7
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1278.3	1273.0	1267.7	1267.7	1256.1	1245.5	1240.2	1242.3	1236.0	1227.5	1219.1
5°	1334.3	1313.2	1308.9	1297.3	1281.4	1259.2	1247.6	1237.0	1224.3	1207.4	1191.6
7.5°	1386.1	1358.6	1343.8	1332.2	1301.5	1270.9	1245.5	1228.6	1206.4	1181.0	1162.0
10°	1453.8	1403.0	1387.2	1360.7	1317.4	1274.0	1244.4	1216.9	1186.3	1156.7	1131.3
12.5°	1507.7	1449.5	1419.9	1393.5	1337.5	1282.5	1232.8	1199.0	1162.0	1129.2	1096.4
15°	1569.0	1503.5	1451.7	1419.9	1349.1	1282.5	1226.5	1178.9	1137.6	1097.5	1068.9
17.5°	1598.6	1516.2	1492.9	1447.4	1344.9	1278.3	1209.5	1158.8	1109.1	1062.6	1028.7
20°	1645.1	1548.9	1490.8	1460.1	1369.2	1270.9	1190.5	1132.4	1080.5	1030.9	994.9
22.5°	1648.3	1543.6	1505.6	1447.4	1335.4	1248.7	1173.6	1102.8	1042.5	996.0	959.0
25°	1640.9	1534.1	1481.3	1434.7	1341.7	1236.0	1139.8	1070.0	1010.8	956.8	913.5
27.5°	1637.7	1506.6	1456.9	1410.4	1305.8	1199.0	1119.7	1040.4	972.7	925.1	880.7
30°	1633.5	1477.0	1416.8	1362.8	1266.6	1170.4	1075.3	1006.5	942.0	881.8	837.4
32.5°	1606.0	1436.9	1375.5	1318.4	1214.8	1118.6	1043.5	970.6	900.8	844.8	804.6
35°	1597.6	1399.8	1319.5	1258.2	1156.7	1071.0	991.7	931.5	865.9	809.9	762.3
37.5°	1573.2	1361.8	1275.1	1196.8	1091.1	1009.7	951.6	891.3	827.9	767.6	729.5
40°	1531.0	1317.4	1219.1	1138.7	1029.8	947.3	893.4	849.0	786.6	732.7	686.2
42.5°	1468.6	1271.9	1166.2	1081.6	961.1	883.9	839.5	797.2	744.3	688.3	650.2
45°	1396.7	1211.7	1113.3	1019.2	896.6	821.5	775.0	749.6	701.0	653.4	609.0
47.5°	1298.3	1149.3	1052.0	954.7	830.0	757.0	720.0	694.6	660.8	609.0	573.1
50°	1174.6	1068.9	976.9	890.2	764.4	694.6	657.6	638.6	610.1	573.1	538.2
52.5°	1037.2	975.9	899.8	819.4	697.8	632.3	598.4	583.6	562.5	527.6	498.0
55°	898.7	872.3	820.5	741.2	628.0	574.1	544.5	525.5	509.6	484.2	458.9
57.5°	775.0	762.3	726.4	665.0	569.9	513.8	488.5	475.8	463.1	444.1	418.7
60°	647.1	660.8	623.8	593.1	506.4	457.8	435.6	421.9	415.5	398.6	382.7
62.5°	536.0	548.7	527.6	504.3	443.0	399.7	385.9	373.2	369.0	354.2	338.3
65°	435.6	451.5	435.6	422.9	385.9	350.0	333.0	326.7	322.5	313.0	300.3
67.5°	346.8	362.6	355.2	339.4	327.8	298.2	288.6	282.3	280.2	272.8	262.2
70°	261.2	283.4	285.5	276.0	265.4	251.6	245.3	243.2	237.9	231.5	225.2
72.5°	188.2	213.6	214.6	214.6	208.3	208.3	201.9	198.8	198.8	192.4	185.0
75°	138.5	155.4	157.5	159.7	162.8	166.0	161.8	161.8	160.7	154.4	151.2
77.5°	92.0	106.8	112.1	119.5	123.7	123.7	125.8	127.9	125.8	122.6	120.5
80°	59.2	69.8	76.1	80.4	86.7	89.9	93.0	94.1	92.0	90.9	87.8
82.5°	39.1	42.3	45.5	50.7	58.2	63.4	63.4	62.4	64.5	63.4	62.4
85°	22.2	24.3	25.4	26.4	30.7	35.9	37.0	38.1	40.2	38.1	35.9
87.5°	8.5	9.5	9.5	9.5	11.6	12.7	15.9	20.1	19.0	16.9	16.9
90°	23.4	19.0	16.8	15.1	11.7	8.3	4.9	1.5	4.9	8.3	11.7
92.5°	30.5	27.4	25.9	26.9	28.9	31.0	33.0	35.0	33.0	31.0	28.9
95°	36.1	32.4	30.5	37.4	51.3	65.2	79.0	92.9	79.0	65.2	51.3
97.5°	100.5	117.8	126.4	131.1	140.6	150.1	159.6	169.1	159.6	150.1	140.6
100°	208.7	261.5	287.9	284.5	277.7	271.0	264.2	257.4	264.2	271.0	277.7
102.5°	289.4	348.3	377.8	375.6	371.2	366.8	362.4	358.0	362.4	366.8	371.2
105°	425.0	455.5	470.7	468.8	465.1	461.4	457.7	454.0	457.7	461.4	465.1
107.5°	577.3	572.2	569.7	568.2	565.1	562.1	559.0	556.0	559.0	562.1	565.1
110°	675.9	672.2	670.3	668.9	666.2	663.5	660.8	658.1	660.8	663.5	666.2

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	771.8	768.1	766.2	765.0	762.7	760.3	758.0	755.6	758.0	760.3	762.7
115°	865.3	862.2	860.7	859.7	857.7	855.6	853.6	851.6	853.6	855.6	857.7
117.5°	959.2	957.5	956.7	955.5	953.1	950.8	948.4	946.0	948.4	950.8	953.1
120°	1048.0	1047.0	1046.5	1045.0	1041.9	1038.9	1035.8	1032.8	1035.8	1038.9	1041.9
122.5°	1133.8	1132.5	1131.8	1130.6	1128.3	1125.9	1123.6	1121.2	1123.6	1125.9	1128.3
125°	1214.6	1213.3	1212.6	1211.2	1208.5	1205.8	1203.1	1200.4	1203.1	1205.8	1208.5
127.5°	1294.3	1292.6	1291.8	1290.4	1287.7	1285.0	1282.3	1279.6	1282.3	1285.0	1287.7
130°	1366.9	1365.6	1364.9	1363.5	1360.8	1358.1	1355.4	1352.7	1355.4	1358.1	1360.8
132.5°	1436.5	1435.5	1435.0	1433.6	1430.9	1428.2	1425.5	1422.8	1425.5	1428.2	1430.9
135°	1505.5	1504.2	1503.5	1502.5	1500.5	1498.4	1496.4	1494.4	1496.4	1498.4	1500.5
137.5°	1568.5	1567.8	1567.5	1566.1	1563.4	1560.7	1558.0	1555.3	1558.0	1560.7	1563.4
140°	1626.9	1625.9	1625.4	1624.4	1622.4	1620.3	1618.3	1616.3	1618.3	1620.3	1622.4
142.5°	1683.3	1682.3	1681.8	1680.8	1678.7	1676.7	1674.6	1672.6	1674.6	1676.7	1678.7
145°	1736.1	1735.4	1735.1	1733.9	1731.5	1729.2	1726.8	1724.4	1726.8	1729.2	1731.5
147.5°	1783.3	1782.6	1782.3	1781.5	1779.8	1778.1	1776.4	1774.7	1776.4	1778.1	1779.8
150°	1826.0	1825.3	1825.0	1824.5	1823.5	1822.4	1821.4	1820.4	1821.4	1822.4	1823.5
152.5°	1863.6	1863.3	1863.1	1862.9	1862.6	1862.2	1861.9	1861.5	1861.9	1862.2	1862.6
155°	1897.1	1896.8	1896.6	1896.9	1897.6	1898.3	1898.9	1899.6	1898.9	1898.3	1897.6
157.5°	1929.6	1929.9	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1
160°	1955.5	1955.8	1956.0	1956.2	1956.5	1956.8	1957.2	1957.5	1957.2	1956.8	1956.5
162.5°	1978.3	1978.6	1978.8	1979.3	1980.3	1981.4	1982.4	1983.4	1982.4	1981.4	1980.3
165°	1998.1	1998.4	1998.6	1999.1	2000.1	2001.2	2002.2	2003.2	2002.2	2001.2	2000.1
167.5°	2013.9	2013.9	2013.9	2014.6	2015.9	2017.3	2018.6	2020.0	2018.6	2017.3	2015.9
170°	2027.6	2027.6	2027.6	2028.3	2029.6	2031.0	2032.3	2033.7	2032.3	2031.0	2029.6
172.5°	2035.7	2035.4	2035.2	2036.0	2037.7	2039.4	2041.1	2042.8	2041.1	2039.4	2037.7
175°	2043.3	2043.0	2042.8	2043.6	2045.3	2047.0	2048.7	2050.4	2048.7	2047.0	2045.3
177.5°	2046.4	2046.1	2045.9	2046.7	2048.4	2050.1	2051.8	2053.5	2051.8	2050.1	2048.4
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1219.1	1213.8	1211.7	1206.4	1193.7	1185.2	1175.7	1169.4	1170.4	1165.1	1168.3
5°	1181.0	1179.9	1172.5	1162.0	1144.0	1134.5	1117.6	1109.1	1104.9	1105.9	1099.6
7.5°	1149.3	1139.8	1134.5	1117.6	1100.6	1080.5	1066.8	1059.4	1053.1	1046.7	1042.5
10°	1113.3	1104.9	1096.4	1078.4	1055.2	1036.1	1017.1	1009.7	1000.2	996.0	992.8
12.5°	1075.3	1070.0	1059.4	1038.3	1011.8	993.9	971.6	967.4	954.7	946.3	944.2
15°	1040.4	1037.2	1018.2	993.9	967.4	949.4	930.4	917.7	896.6	900.8	893.4
17.5°	1003.4	989.6	978.0	945.2	932.5	905.0	882.8	876.5	861.7	852.2	842.7
20°	962.1	953.7	938.9	917.7	887.1	855.3	838.4	827.9	819.4	804.6	800.4
22.5°	923.0	912.4	899.8	872.3	845.8	819.4	796.1	786.6	776.0	765.5	759.1
25°	892.4	876.5	862.7	828.9	802.5	780.3	765.5	749.6	734.8	728.5	726.4
27.5°	844.8	835.3	821.5	789.8	765.5	741.2	727.4	716.8	701.0	693.6	687.2
30°	814.1	795.1	779.2	753.8	729.5	703.1	690.4	677.7	668.2	658.7	651.3
32.5°	772.9	758.1	745.4	720.0	695.7	671.4	657.6	638.6	633.3	625.9	617.5
35°	732.7	723.2	709.4	682.0	655.5	638.6	623.8	605.8	599.5	594.2	586.8
37.5°	694.6	680.9	671.4	644.9	621.7	601.6	590.0	575.2	570.9	564.6	559.3
40°	661.9	648.1	638.6	612.2	587.9	566.7	559.3	544.5	538.2	530.8	527.6
42.5°	624.9	613.2	600.5	581.5	556.1	535.0	520.2	511.7	503.3	500.1	493.8
45°	585.7	575.2	565.6	544.5	518.1	503.3	490.6	479.0	472.6	467.3	463.1
47.5°	551.9	542.4	529.7	506.4	485.3	471.6	458.9	447.2	440.9	434.5	429.3
50°	512.8	507.5	493.8	471.6	451.5	435.6	424.0	413.4	409.2	401.8	393.3
52.5°	477.9	468.4	456.7	438.8	420.8	401.8	385.9	379.6	372.2	367.9	360.5
55°	436.7	430.3	417.6	401.8	382.7	366.9	355.2	346.8	337.3	333.0	323.5
57.5°	401.8	390.1	383.8	363.7	345.7	329.9	321.4	313.0	302.4	296.0	291.8
60°	363.7	353.1	343.6	326.7	314.0	297.1	284.4	277.0	269.6	261.2	256.9
62.5°	326.7	318.2	306.6	292.9	277.0	263.3	253.7	243.2	238.9	230.5	227.3
65°	286.5	280.2	270.7	254.8	242.1	230.5	221.0	212.5	208.3	205.1	203.0
67.5°	250.6	242.1	235.8	222.0	208.3	198.8	193.5	188.2	182.9	179.7	176.6
70°	213.6	207.2	200.9	188.2	178.7	170.2	166.0	161.8	158.6	155.4	152.2
72.5°	175.5	172.3	166.0	157.5	150.1	143.8	140.6	135.3	132.2	126.9	124.8
75°	144.8	139.6	136.4	129.0	122.6	117.4	113.1	106.8	102.6	100.4	99.4
77.5°	114.2	112.1	107.8	101.5	98.3	93.0	86.7	84.6	82.5	82.5	81.4
80°	85.6	82.5	79.3	74.0	70.8	66.6	66.6	66.6	65.6	66.6	65.6
82.5°	58.2	56.0	53.9	50.7	49.7	49.7	50.7	50.7	50.7	50.7	50.7
85°	33.8	33.8	33.8	34.9	33.8	33.8	34.9	35.9	34.9	34.9	33.8
87.5°	15.9	15.9	16.9	16.9	18.0	18.0	18.0	18.0	18.0	18.0	19.0
90°	15.1	16.8	19.0	23.4	27.8	32.2	36.6	38.0	39.3	40.7	42.0
92.5°	26.9	25.9	27.4	30.5	33.5	36.6	39.6	42.0	44.4	46.7	49.1
95°	37.4	30.5	32.4	36.1	39.8	43.5	47.2	49.6	52.0	54.3	56.7
97.5°	131.1	126.4	117.8	100.5	83.2	66.0	48.7	51.4	54.1	56.8	59.5
100°	284.5	287.9	261.5	208.7	155.9	103.1	50.3	53.0	55.7	58.4	61.1
102.5°	375.6	377.8	348.3	289.4	230.5	171.6	112.7	101.5	90.4	79.2	68.1
105°	468.8	470.7	455.5	425.0	394.5	364.1	333.6	273.7	213.8	153.9	94.0
107.5°	568.2	569.7	572.2	577.3	582.4	587.5	592.6	540.5	488.3	436.2	384.1
110°	668.9	670.3	672.2	675.9	679.6	683.3	687.0	675.8	664.7	653.5	642.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	765.0	766.2	768.1	771.8	775.5	779.3	783.0	786.0	789.1	792.1	795.2
115°	859.7	860.7	862.2	865.3	868.3	871.4	874.4	877.8	881.2	884.5	887.9
117.5°	955.5	956.7	957.5	959.2	960.9	962.6	964.3	967.0	969.7	972.4	975.1
120°	1045.0	1046.5	1047.0	1048.0	1049.1	1050.1	1051.1	1053.8	1056.5	1059.2	1061.9
122.5°	1130.6	1131.8	1132.5	1133.8	1135.2	1136.5	1137.9	1139.6	1141.3	1143.0	1144.7
125°	1211.2	1212.6	1213.3	1214.6	1216.0	1217.3	1218.7	1219.4	1220.0	1220.7	1221.4
127.5°	1290.4	1291.8	1292.6	1294.3	1296.0	1297.7	1299.4	1300.4	1301.4	1302.5	1303.5
130°	1363.5	1364.9	1365.6	1366.9	1368.3	1369.6	1371.0	1372.4	1373.7	1375.1	1376.4
132.5°	1433.6	1435.0	1435.5	1436.5	1437.6	1438.6	1439.6	1441.0	1442.3	1443.7	1445.0
135°	1502.5	1503.5	1504.2	1505.5	1506.9	1508.2	1509.6	1510.6	1511.6	1512.7	1513.7
137.5°	1566.1	1567.5	1567.8	1568.5	1569.2	1569.9	1570.6	1572.3	1574.0	1575.7	1577.4
140°	1624.4	1625.4	1625.9	1626.9	1628.0	1629.0	1630.0	1631.4	1632.7	1634.1	1635.4
142.5°	1680.8	1681.8	1682.3	1683.3	1684.3	1685.3	1686.3	1687.3	1688.3	1689.4	1690.4
145°	1733.9	1735.1	1735.4	1736.1	1736.8	1737.4	1738.1	1738.8	1739.5	1740.2	1740.9
147.5°	1781.5	1782.3	1782.6	1783.3	1784.0	1784.7	1785.4	1786.1	1786.7	1787.4	1788.1
150°	1824.5	1825.0	1825.3	1826.0	1826.7	1827.3	1828.0	1828.7	1829.4	1830.1	1830.8
152.5°	1862.9	1863.1	1863.3	1863.6	1863.9	1864.3	1864.6	1866.0	1867.3	1868.7	1870.0
155°	1896.9	1896.6	1896.8	1897.1	1897.4	1897.8	1898.1	1899.8	1901.5	1903.2	1904.9
157.5°	1930.1	1930.1	1929.9	1929.6	1929.3	1928.9	1928.6	1930.6	1932.6	1934.7	1936.7
160°	1956.2	1956.0	1955.8	1955.5	1955.2	1954.8	1954.5	1956.5	1958.5	1960.6	1962.6
162.5°	1979.3	1978.8	1978.6	1978.3	1978.0	1977.6	1977.3	1979.7	1982.1	1984.4	1986.8
165°	1999.1	1998.6	1998.4	1998.1	1997.8	1997.4	1997.1	1999.8	2002.5	2005.2	2007.9
167.5°	2014.6	2013.9	2013.9	2013.9	2013.9	2013.9	2013.9	2016.6	2019.3	2022.0	2024.7
170°	2028.3	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2030.3	2033.0	2035.7	2038.4
172.5°	2036.0	2035.2	2035.4	2035.7	2036.0	2036.4	2036.7	2039.4	2042.1	2044.8	2047.5
175°	2043.6	2042.8	2043.0	2043.3	2043.6	2044.0	2044.3	2046.7	2049.1	2051.4	2053.8
177.5°	2046.7	2045.9	2046.1	2046.4	2046.7	2047.1	2047.4	2050.1	2052.8	2055.5	2058.2
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1167.2	1168.3	1165.1	1158.8	1157.7	1159.8	1166.2	1164.1	1158.8	1168.3	1159.8
5°	1102.8	1097.5	1095.4	1097.5	1091.1	1087.9	1094.3	1091.1	1094.3	1095.4	1098.5
7.5°	1040.4	1041.4	1035.1	1036.1	1027.7	1029.8	1029.8	1029.8	1033.0	1035.1	1039.3
10°	986.4	988.6	981.2	982.2	975.9	971.6	974.8	981.2	981.2	981.2	983.3
12.5°	943.1	933.6	928.3	927.2	919.8	917.7	924.1	926.2	931.5	931.5	934.6
15°	889.2	887.1	882.8	882.8	864.9	869.1	871.2	878.6	889.2	880.7	882.8
17.5°	840.5	835.3	830.0	827.9	825.7	819.4	827.9	826.8	833.1	834.2	837.4
20°	797.2	793.0	782.4	783.5	785.6	776.0	781.3	781.3	787.7	794.0	801.4
22.5°	754.9	750.7	745.4	747.5	741.2	739.0	739.0	744.3	751.7	757.0	756.0
25°	722.1	714.7	711.6	708.4	705.2	707.3	704.2	709.4	714.7	717.9	714.7
27.5°	685.1	682.0	675.6	672.4	667.1	669.3	671.4	675.6	678.8	678.8	682.0
30°	649.2	644.9	642.8	639.7	639.7	635.4	636.5	640.7	643.9	647.1	651.3
32.5°	614.3	611.1	607.9	607.9	605.8	604.8	603.7	610.1	610.1	616.4	616.4
35°	585.7	580.5	580.5	575.2	577.3	576.2	574.1	578.3	579.4	583.6	582.6
37.5°	554.0	554.0	551.9	546.6	542.4	543.4	548.7	548.7	551.9	550.8	554.0
40°	522.3	520.2	520.2	517.0	516.0	514.9	516.0	517.0	522.3	521.2	522.3
42.5°	490.6	491.6	486.4	486.4	486.4	483.2	484.2	485.3	487.4	489.5	492.7
45°	459.9	457.8	456.7	454.6	452.5	453.6	452.5	456.7	455.7	457.8	461.0
47.5°	427.1	424.0	422.9	418.7	418.7	420.8	419.7	422.9	424.0	427.1	425.0
50°	395.4	391.2	388.0	389.1	382.7	384.9	384.9	388.0	391.2	392.3	394.4
52.5°	358.4	357.4	356.3	351.0	350.0	348.9	350.0	351.0	355.2	358.4	359.5
55°	322.5	321.4	315.1	313.0	309.8	309.8	311.9	313.0	320.4	321.4	325.6
57.5°	289.7	286.5	279.1	278.1	278.1	278.1	274.9	279.1	281.2	286.5	286.5
60°	253.7	253.7	247.4	247.4	248.5	247.4	247.4	248.5	248.5	252.7	254.8
62.5°	225.2	224.1	224.1	222.0	221.0	222.0	221.0	221.0	222.0	225.2	228.4
65°	199.8	198.8	197.7	196.7	194.5	194.5	195.6	197.7	197.7	199.8	200.9
67.5°	175.5	175.5	173.4	173.4	172.3	171.3	172.3	171.3	175.5	175.5	176.6
70°	151.2	150.1	147.0	145.9	142.7	143.8	143.8	147.0	148.0	150.1	152.2
72.5°	121.6	121.6	119.5	117.4	118.4	116.3	116.3	117.4	117.4	120.5	121.6
75°	100.4	98.3	97.3	98.3	97.3	99.4	97.3	97.3	99.4	99.4	99.4
77.5°	82.5	82.5	81.4	81.4	82.5	81.4	82.5	82.5	82.5	81.4	82.5
80°	67.7	66.6	66.6	66.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
82.5°	50.7	50.7	49.7	50.7	50.7	49.7	50.7	49.7	49.7	50.7	50.7
85°	33.8	35.9	33.8	33.8	34.9	34.9	35.9	34.9	35.9	33.8	34.9
87.5°	18.0	19.0	19.0	18.0	18.0	19.0	19.0	19.0	20.1	18.0	19.0
90°	42.7	43.0	43.7	44.4	45.0	45.7	45.0	44.4	43.7	43.0	42.7
92.5°	50.3	50.5	50.8	51.1	51.5	51.8	51.5	51.1	50.8	50.5	50.3
95°	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
97.5°	60.9	61.1	61.4	61.8	62.1	62.5	62.1	61.8	61.4	61.1	60.9
100°	62.5	62.7	63.0	63.3	63.7	64.0	63.7	63.3	63.0	62.7	62.5
102.5°	62.5	62.8	63.5	64.2	64.8	65.5	64.8	64.2	63.5	62.8	62.5
105°	64.0	64.3	65.0	65.7	66.3	67.0	66.3	65.7	65.0	64.3	64.0
107.5°	358.0	335.8	291.5	247.1	202.8	158.4	202.8	247.1	291.5	335.8	358.0
110°	636.8	612.6	564.2	515.7	467.3	418.9	467.3	515.7	564.2	612.6	636.8

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	796.7	796.4	795.7	795.0	794.4	793.7	794.4	795.0	795.7	796.4	796.7
115°	889.6	890.3	891.6	893.0	894.3	895.7	894.3	893.0	891.6	890.3	889.6
117.5°	976.5	976.7	977.0	977.3	977.7	978.0	977.7	977.3	977.0	976.7	976.5
120°	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3
122.5°	1145.6	1145.8	1146.1	1146.4	1146.8	1147.1	1146.8	1146.4	1146.1	1145.8	1145.6
125°	1221.7	1222.0	1222.7	1223.4	1224.1	1224.8	1224.1	1223.4	1222.7	1222.0	1221.7
127.5°	1304.0	1303.7	1303.0	1302.3	1301.6	1300.9	1301.6	1302.3	1303.0	1303.7	1304.0
130°	1377.1	1376.8	1376.1	1375.4	1374.8	1374.1	1374.8	1375.4	1376.1	1376.8	1377.1
132.5°	1445.7	1445.2	1444.2	1443.1	1442.1	1441.1	1442.1	1443.1	1444.2	1445.2	1445.7
135°	1514.2	1513.7	1512.7	1511.6	1510.6	1509.6	1510.6	1511.6	1512.7	1513.7	1514.2
137.5°	1578.2	1577.9	1577.2	1576.5	1575.8	1575.1	1575.8	1576.5	1577.2	1577.9	1578.2
140°	1636.1	1635.8	1635.1	1634.4	1633.7	1633.0	1633.7	1634.4	1635.1	1635.8	1636.1
142.5°	1690.9	1690.4	1689.4	1688.3	1687.3	1686.3	1687.3	1688.3	1689.4	1690.4	1690.9
145°	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2
147.5°	1788.4	1787.6	1785.9	1784.2	1782.5	1780.8	1782.5	1784.2	1785.9	1787.6	1788.4
150°	1831.1	1830.6	1829.6	1828.5	1827.5	1826.5	1827.5	1828.5	1829.6	1830.6	1831.1
152.5°	1870.7	1869.9	1868.2	1866.5	1864.8	1863.1	1864.8	1866.5	1868.2	1869.9	1870.7
155°	1905.7	1904.7	1902.7	1900.6	1898.6	1896.6	1898.6	1900.6	1902.7	1904.7	1905.7
157.5°	1937.7	1936.3	1933.6	1930.9	1928.2	1925.5	1928.2	1930.9	1933.6	1936.3	1937.7
160°	1963.6	1962.4	1960.0	1957.7	1955.3	1952.9	1955.3	1957.7	1960.0	1962.4	1963.6
162.5°	1988.0	1987.0	1984.9	1982.9	1980.8	1978.8	1980.8	1982.9	1984.9	1987.0	1988.0
165°	2009.3	2008.1	2005.7	2003.4	2001.0	1998.6	2001.0	2003.4	2005.7	2008.1	2009.3
167.5°	2026.1	2024.7	2022.0	2019.3	2016.6	2013.9	2016.6	2019.3	2022.0	2024.7	2026.1
170°	2039.8	2038.4	2035.7	2033.0	2030.3	2027.6	2030.3	2033.0	2035.7	2038.4	2039.8
172.5°	2048.9	2047.4	2044.3	2041.3	2038.2	2035.2	2038.2	2041.3	2044.3	2047.4	2048.9
175°	2055.0	2053.6	2050.9	2048.2	2045.5	2042.8	2045.5	2048.2	2050.9	2053.6	2055.0
177.5°	2059.6	2057.9	2054.5	2051.1	2047.7	2044.3	2047.7	2051.1	2054.5	2057.9	2059.6
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1168.3	1172.5	1168.3	1159.8	1168.3	1173.6	1178.9	1187.3	1191.6	1191.6	1197.9
5°	1101.7	1110.2	1107.0	1104.9	1113.3	1118.6	1127.1	1137.6	1149.3	1156.7	1165.1
7.5°	1042.5	1047.8	1053.1	1053.1	1061.5	1073.1	1085.8	1098.5	1113.3	1123.9	1130.2
10°	990.7	994.9	998.1	1002.3	1015.0	1027.7	1044.6	1060.5	1073.1	1084.8	1095.4
12.5°	941.0	947.3	954.7	957.9	967.4	983.3	999.1	1018.2	1038.3	1049.9	1060.5
15°	893.4	896.6	905.0	914.6	923.0	939.9	960.0	980.1	997.0	1015.0	1024.5
17.5°	844.8	845.8	868.0	862.7	890.2	906.1	916.7	935.7	963.2	978.0	992.8
20°	797.2	807.8	817.3	822.6	837.4	855.3	886.0	900.8	923.0	936.8	949.4
22.5°	760.2	776.0	776.0	788.7	796.1	813.1	835.3	863.8	888.1	897.6	915.6
25°	727.4	734.8	747.5	751.7	765.5	780.3	795.1	825.7	852.2	864.9	877.5
27.5°	685.1	694.6	711.6	711.6	729.5	745.4	763.4	783.5	809.9	827.9	841.6
30°	652.3	661.9	669.3	680.9	688.3	703.1	734.8	749.6	772.9	788.7	805.7
32.5°	621.7	629.1	635.4	648.1	656.6	673.5	690.4	716.8	736.9	751.7	769.7
35°	587.9	595.3	603.7	613.2	625.9	641.8	657.6	679.8	699.9	713.7	728.5
37.5°	556.1	561.4	574.1	580.5	591.0	605.8	625.9	649.2	667.1	677.7	692.5
40°	525.5	529.7	539.2	550.8	558.2	569.9	591.0	611.1	633.3	646.0	657.6
42.5°	492.7	498.0	506.4	518.1	529.7	542.4	554.0	577.3	597.4	607.9	620.6
45°	464.1	467.3	473.7	485.3	496.9	506.4	524.4	545.6	564.6	573.1	586.8
47.5°	430.3	433.5	443.0	448.3	461.0	473.7	491.6	512.8	529.7	538.2	550.8
50°	395.4	398.6	404.9	416.6	425.0	438.8	454.6	472.6	493.8	505.4	512.8
52.5°	361.6	367.9	373.2	382.7	393.3	407.1	421.9	438.8	456.7	468.4	476.8
55°	327.8	333.0	339.4	344.7	357.4	370.1	387.0	402.8	418.7	429.3	438.8
57.5°	289.7	297.1	303.4	314.0	323.5	334.1	353.1	365.8	384.9	392.3	400.7
60°	256.9	264.3	269.6	278.1	286.5	300.3	313.0	328.8	344.7	354.2	364.8
62.5°	229.4	232.6	235.8	244.2	252.7	265.4	278.1	293.9	310.8	316.1	324.6
65°	201.9	205.1	210.4	217.8	224.1	231.5	245.3	258.0	273.8	282.3	285.5
67.5°	178.7	181.9	182.9	188.2	193.5	201.9	209.3	222.0	236.8	242.1	248.5
70°	152.2	157.5	158.6	162.8	164.9	170.2	178.7	188.2	199.8	209.3	214.6
72.5°	121.6	129.0	131.1	137.4	140.6	145.9	152.2	159.7	167.1	171.3	175.5
75°	99.4	101.5	102.6	107.8	113.1	120.5	123.7	127.9	134.3	139.6	143.8
77.5°	82.5	83.5	84.6	84.6	85.6	89.9	96.2	101.5	105.7	107.8	111.0
80°	66.6	65.6	65.6	66.6	66.6	66.6	68.7	76.1	78.2	83.5	82.5
82.5°	51.8	49.7	50.7	49.7	49.7	49.7	49.7	50.7	50.7	53.9	56.0
85°	33.8	34.9	33.8	33.8	32.8	33.8	32.8	32.8	31.7	31.7	30.7
87.5°	18.0	19.0	18.0	18.0	16.9	18.0	16.9	16.9	15.9	15.9	13.7
90°	42.0	40.7	39.3	38.0	36.6	32.2	27.8	23.4	19.0	16.8	15.1
92.5°	49.1	46.7	44.4	42.0	39.6	36.6	33.5	30.5	27.4	25.9	26.9
95°	56.7	54.3	52.0	49.6	47.2	43.5	39.8	36.1	32.4	30.5	37.4
97.5°	59.5	56.8	54.1	51.4	48.7	66.0	83.2	100.5	117.8	126.4	131.1
100°	61.1	58.4	55.7	53.0	50.3	103.1	155.9	208.7	261.5	287.9	284.5
102.5°	68.1	79.2	90.4	101.5	112.7	171.6	230.5	289.4	348.3	377.8	375.6
105°	94.0	153.9	213.8	273.7	333.6	364.1	394.5	425.0	455.5	470.7	468.8
107.5°	384.1	436.2	488.3	540.5	592.6	587.5	582.4	577.3	572.2	569.7	568.2
110°	642.4	653.5	664.7	675.8	687.0	683.3	679.6	675.9	672.2	670.3	668.9

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	795.2	792.1	789.1	786.0	783.0	779.3	775.5	771.8	768.1	766.2	765.0
115°	887.9	884.5	881.2	877.8	874.4	871.4	868.3	865.3	862.2	860.7	859.7
117.5°	975.1	972.4	969.7	967.0	964.3	962.6	960.9	959.2	957.5	956.7	955.5
120°	1061.9	1059.2	1056.5	1053.8	1051.1	1050.1	1049.1	1048.0	1047.0	1046.5	1045.0
122.5°	1144.7	1143.0	1141.3	1139.6	1137.9	1136.5	1135.2	1133.8	1132.5	1131.8	1130.6
125°	1221.4	1220.7	1220.0	1219.4	1218.7	1217.3	1216.0	1214.6	1213.3	1212.6	1211.2
127.5°	1303.5	1302.5	1301.4	1300.4	1299.4	1297.7	1296.0	1294.3	1292.6	1291.8	1290.4
130°	1376.4	1375.1	1373.7	1372.4	1371.0	1369.6	1368.3	1366.9	1365.6	1364.9	1363.5
132.5°	1445.0	1443.7	1442.3	1441.0	1439.6	1438.6	1437.6	1436.5	1435.5	1435.0	1433.6
135°	1513.7	1512.7	1511.6	1510.6	1509.6	1508.2	1506.9	1505.5	1504.2	1503.5	1502.5
137.5°	1577.4	1575.7	1574.0	1572.3	1570.6	1569.9	1569.2	1568.5	1567.8	1567.5	1566.1
140°	1635.4	1634.1	1632.7	1631.4	1630.0	1629.0	1628.0	1626.9	1625.9	1625.4	1624.4
142.5°	1690.4	1689.4	1688.3	1687.3	1686.3	1685.3	1684.3	1683.3	1682.3	1681.8	1680.8
145°	1740.9	1740.2	1739.5	1738.8	1738.1	1737.4	1736.8	1736.1	1735.4	1735.1	1733.9
147.5°	1788.1	1787.4	1786.7	1786.1	1785.4	1784.7	1784.0	1783.3	1782.6	1782.3	1781.5
150°	1830.8	1830.1	1829.4	1828.7	1828.0	1827.3	1826.7	1826.0	1825.3	1825.0	1824.5
152.5°	1870.0	1868.7	1867.3	1866.0	1864.6	1864.3	1863.9	1863.6	1863.3	1863.1	1862.9
155°	1904.9	1903.2	1901.5	1899.8	1898.1	1897.8	1897.4	1897.1	1896.8	1896.6	1896.9
157.5°	1936.7	1934.7	1932.6	1930.6	1928.6	1928.9	1929.3	1929.6	1929.9	1930.1	1930.1
160°	1962.6	1960.6	1958.5	1956.5	1954.5	1954.8	1955.2	1955.5	1955.8	1956.0	1956.2
162.5°	1986.8	1984.4	1982.1	1979.7	1977.3	1977.6	1978.0	1978.3	1978.6	1978.8	1979.3
165°	2007.9	2005.2	2002.5	1999.8	1997.1	1997.4	1997.8	1998.1	1998.4	1998.6	1999.1
167.5°	2024.7	2022.0	2019.3	2016.6	2013.9	2013.9	2013.9	2013.9	2013.9	2013.9	2014.6
170°	2038.4	2035.7	2033.0	2030.3	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2028.3
172.5°	2047.5	2044.8	2042.1	2039.4	2036.7	2036.4	2036.0	2035.7	2035.4	2035.2	2036.0
175°	2053.8	2051.4	2049.1	2046.7	2044.3	2044.0	2043.6	2043.3	2043.0	2042.8	2043.6
177.5°	2058.2	2055.5	2052.8	2050.1	2047.4	2047.1	2046.7	2046.4	2046.1	2045.9	2046.7
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1234.9	1234.9	1234.9	1234.9
2.5°	1203.2	1210.6	1225.4	1238.1
5°	1177.8	1189.4	1211.7	1233.9
7.5°	1147.2	1165.1	1193.7	1224.3
10°	1117.6	1140.8	1175.7	1211.7
12.5°	1087.9	1112.3	1149.3	1195.8
15°	1053.1	1078.4	1122.8	1178.9
17.5°	1022.4	1056.2	1096.4	1152.4
20°	989.6	1015.0	1066.8	1126.0
22.5°	948.4	990.7	1039.3	1101.7
25°	915.6	952.6	1001.3	1072.1
27.5°	875.4	918.8	978.0	1040.4
30°	842.7	878.6	933.6	1008.7
32.5°	804.6	846.9	904.0	978.0
35°	770.8	806.7	860.6	935.7
37.5°	730.6	769.7	830.0	896.6
40°	695.7	733.8	790.9	853.2
42.5°	653.4	693.6	750.7	803.5
45°	619.6	656.6	702.0	750.7
47.5°	578.3	617.5	661.9	695.7
50°	541.3	577.3	612.2	640.7
52.5°	501.2	533.9	565.6	586.8
55°	464.1	489.5	514.9	529.7
57.5°	420.8	445.1	466.3	474.7
60°	382.7	402.8	416.6	426.1
62.5°	342.6	357.4	367.9	373.2
65°	303.4	314.0	319.3	324.6
67.5°	263.3	272.8	276.0	282.3
70°	221.0	231.5	233.7	236.8
72.5°	189.3	189.3	193.5	197.7
75°	151.2	153.3	155.4	155.4
77.5°	118.4	118.4	120.5	121.6
80°	86.7	87.8	87.8	86.7
82.5°	59.2	61.3	59.2	58.2
85°	32.8	37.0	34.9	34.9
87.5°	13.7	13.7	15.9	13.7
90°	11.7	8.3	4.9	1.5
92.5°	28.9	31.0	33.0	35.0
95°	51.3	65.2	79.0	92.9
97.5°	140.6	150.1	159.6	169.1
100°	277.7	271.0	264.2	257.4
102.5°	371.2	366.8	362.4	358.0
105°	465.1	461.4	457.7	454.0
107.5°	565.1	562.1	559.0	556.0
110°	666.2	663.5	660.8	658.1

TEST NUMBER: P1031237

CATALOG NUMBER: S123RDIW-B775D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	762.7	760.3	758.0	755.6
115°	857.7	855.6	853.6	851.6
117.5°	953.1	950.8	948.4	946.0
120°	1041.9	1038.9	1035.8	1032.8
122.5°	1128.3	1125.9	1123.6	1121.2
125°	1208.5	1205.8	1203.1	1200.4
127.5°	1287.7	1285.0	1282.3	1279.6
130°	1360.8	1358.1	1355.4	1352.7
132.5°	1430.9	1428.2	1425.5	1422.8
135°	1500.5	1498.4	1496.4	1494.4
137.5°	1563.4	1560.7	1558.0	1555.3
140°	1622.4	1620.3	1618.3	1616.3
142.5°	1678.7	1676.7	1674.6	1672.6
145°	1731.5	1729.2	1726.8	1724.4
147.5°	1779.8	1778.1	1776.4	1774.7
150°	1823.5	1822.4	1821.4	1820.4
152.5°	1862.6	1862.2	1861.9	1861.5
155°	1897.6	1898.3	1898.9	1899.6
157.5°	1930.1	1930.1	1930.1	1930.1
160°	1956.5	1956.8	1957.2	1957.5
162.5°	1980.3	1981.4	1982.4	1983.4
165°	2000.1	2001.2	2002.2	2003.2
167.5°	2015.9	2017.3	2018.6	2020.0
170°	2029.6	2031.0	2032.3	2033.7
172.5°	2037.7	2039.4	2041.1	2042.8
175°	2045.3	2047.0	2048.7	2050.4
177.5°	2048.4	2050.1	2051.8	2053.5
180°	2050.4	2050.4	2050.4	2050.4

(END OF REPORT)