

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: P1031035

Luminaire Tested: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031035
REPORT IS A COMBINATION OF REPORTS P993815 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K
Description: Define 3 Regressed Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

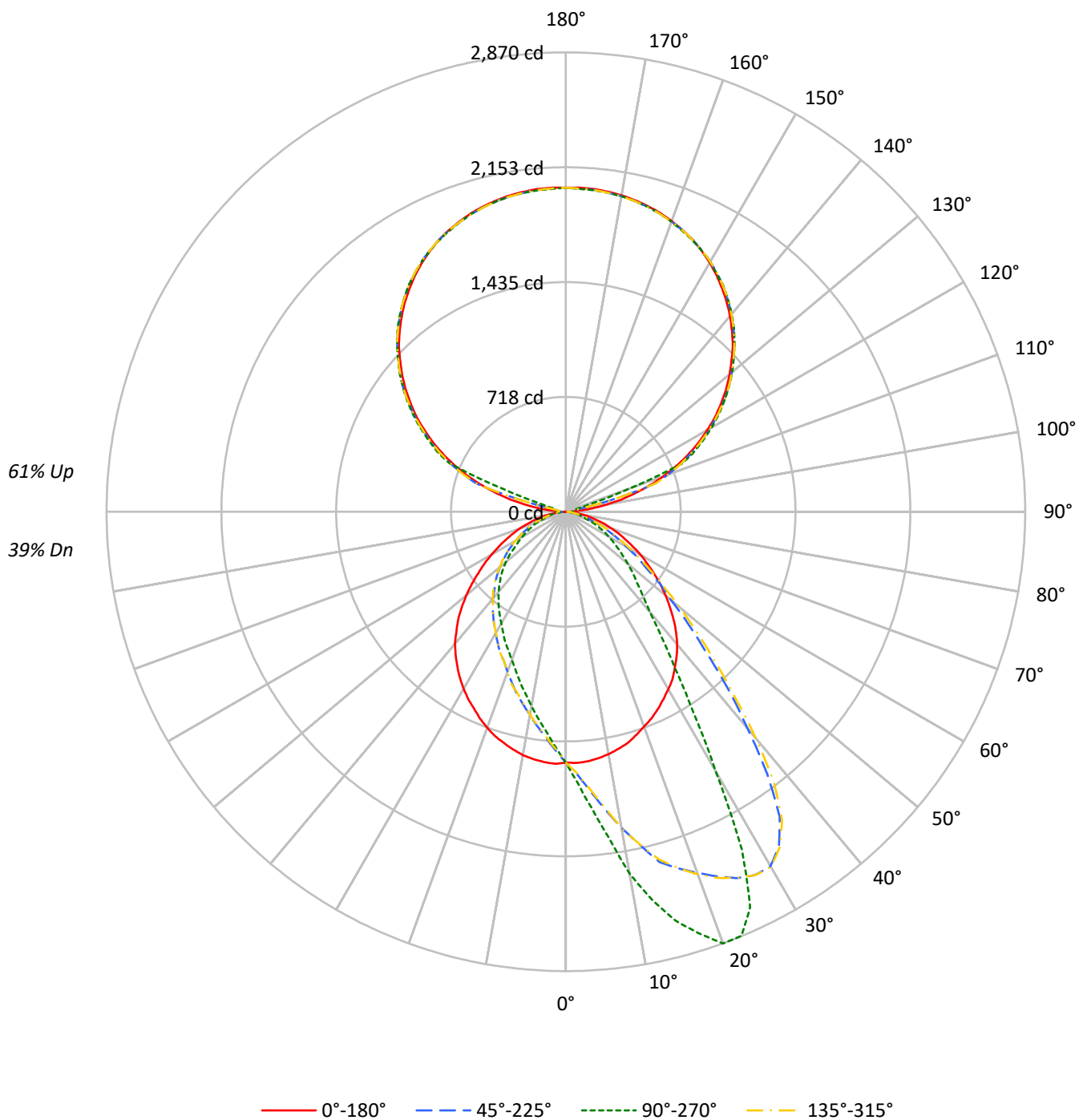
Lumens per Lamp: N/A
Luminaire Lumens: 10076.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 99
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: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

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
RCR																	
0	104	104	104	104	95	95	95	95	77	77	77	61	61	61	46	46	46
1	96	92	88	85	87	83	80	78	68	66	64	54	53	51	41	40	40
2	88	81	75	70	79	73	69	64	60	57	54	48	46	44	37	35	34
3	80	71	64	59	73	65	59	54	54	49	46	43	40	37	33	31	29
4	73	63	56	50	67	58	51	46	48	43	39	38	35	32	30	28	26
5	67	56	49	43	61	52	45	40	43	38	34	35	31	28	27	25	23
6	62	51	43	37	56	47	40	35	39	34	30	31	28	25	25	22	20
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18
8	53	42	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16
9	50	38	31	26	45	35	29	24	29	25	21	24	20	18	19	17	15
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16863	16863	16863	16863
5°	16876	19422	16919	14409
10°	16727	23445	16800	12585
15°	16554	26609	16554	11097
20°	16216	28701	16306	9844
25°	15967	27268	15936	8982
30°	15678	18893	15645	8139
35°	15329	12130	15261	7504
40°	14897	8566	14824	6872
45°	14143	6854	14123	6256
50°	13217	5735	13173	5536
55°	12176	4726	12078	4694
60°	11153	3907	11043	3992
65°	9955	3126	10020	3384
70°	8846	2173	9085	2735
75°	7501	1612	7806	2104
80°	5972	1068	6482	1578
85°	4255	505	4639	982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 22513 cd/sqm

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	1.5
10°-20°	481.6	4.8
20°-30°	758.5	7.5
30°-40°	788.7	7.8
40°-50°	674.8	6.7
50°-60°	514.5	5.1
60°-70°	329.6	3.3
70°-80°	157.9	1.6
80°-90°	45.6	0.5
90°-100°	71.4	0.7
100°-110°	345.1	3.4
110°-120°	845.7	8.4
120°-130°	1073.6	10.7
130°-140°	1146.9	11.4
140°-150°	1072.5	10.6
150°-160°	865.1	8.6
160°-170°	558.3	5.5
170°-180°	192.4	1.9
0°-30°	1394.0	13.8
0°-40°	2182.7	21.7
0°-60°	3372.0	33.5
0°-90°	3905.0	38.8
90°-120°	1262.2	12.5
90°-150°	4555.2	45.2
90°-180°	6171.0	61.2
0°-180°	10076.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1567	1567	1567	1567	1567	
5°	1565	1860	1569	1380	1565	148
15°	1496	2644	1496	1102	1496	421
25°	1360	2724	1357	897	1360	626
35°	1187	1182	1182	731	1187	743
45°	952	630	951	575	952	733
55°	672	396	667	393	672	602
65°	412	228	414	247	412	411
75°	197	97	205	126	197	213
85°	44	23	48	44	44	49
90°	2	45	2	45	2	8
95°	92	57	92	57	92	110
105°	448	66	448	66	448	475
115°	841	884	841	884	841	830
125°	1185	1209	1185	1209	1185	1059
135°	1475	1490	1475	1490	1475	1136
145°	1702	1719	1702	1719	1702	1066
155°	1875	1872	1875	1872	1875	864
165°	1978	1973	1978	1973	1978	559
175°	2024	2017	2024	2017	2024	193
180°	2024	2024	2024	2024	2024	

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6
2.5°	1570.7	1581.4	1589.4	1594.8	1608.2	1616.3	1623.0	1635.0	1635.0	1637.7	1643.1
5°	1565.3	1588.1	1604.2	1625.6	1653.8	1667.2	1686.0	1702.1	1724.9	1737.0	1749.0
7.5°	1553.2	1585.4	1618.9	1651.1	1692.7	1719.5	1738.3	1779.9	1809.4	1845.6	1873.8
10°	1537.1	1581.4	1624.3	1673.9	1730.3	1770.5	1798.7	1853.7	1910.0	1961.0	2003.9
12.5°	1517.0	1570.7	1632.4	1692.7	1771.8	1812.1	1857.7	1926.1	2006.6	2071.0	2128.6
15°	1495.5	1557.2	1627.0	1700.8	1800.0	1856.4	1922.1	2005.2	2095.1	2187.7	2266.8
17.5°	1462.0	1539.8	1617.6	1724.9	1841.6	1875.1	1931.5	2045.5	2156.8	2240.0	2336.5
20°	1428.5	1515.7	1613.6	1710.2	1836.2	1914.0	1966.3	2087.1	2206.4	2307.0	2399.6
22.5°	1397.6	1488.8	1590.8	1712.8	1830.9	1908.7	1974.4	2100.5	2238.6	2351.3	2465.3
25°	1360.1	1459.3	1572.0	1687.3	1830.9	1889.9	1962.3	2108.5	2254.7	2384.8	2525.7
27.5°	1319.8	1420.4	1531.8	1649.8	1781.2	1868.4	1939.5	2096.4	2274.8	2414.3	2559.2
30°	1279.6	1382.9	1490.2	1596.1	1743.7	1826.8	1908.7	2081.7	2285.6	2445.2	2556.5
32.5°	1240.7	1327.9	1433.8	1537.1	1683.3	1774.5	1867.1	2066.9	2289.6	2423.7	2477.4
35°	1187.0	1278.3	1364.1	1474.1	1621.6	1711.5	1820.1	2065.6	2272.2	2355.3	2328.5
37.5°	1137.4	1213.9	1295.7	1393.6	1545.2	1661.9	1774.5	2030.7	2214.5	2219.8	2068.3
40°	1082.4	1145.5	1213.9	1317.2	1480.8	1596.1	1718.2	1977.1	2109.9	2030.7	1763.8
42.5°	1019.4	1075.7	1129.4	1230.0	1408.4	1537.1	1668.6	1910.0	1958.3	1775.9	1498.2
45°	952.3	997.9	1047.6	1153.5	1331.9	1459.3	1590.8	1806.7	1757.1	1499.6	1235.3
47.5°	882.6	921.5	969.8	1066.3	1250.1	1380.2	1504.9	1659.2	1533.1	1256.8	1035.5
50°	812.8	843.7	890.6	989.9	1166.9	1285.0	1400.3	1500.9	1323.9	1078.4	855.7
52.5°	744.4	768.6	816.8	901.3	1073.0	1185.7	1268.9	1307.8	1128.0	890.6	743.1
55°	672.0	698.8	731.0	816.8	987.2	1070.4	1125.3	1124.0	938.9	755.1	614.3
57.5°	602.2	626.4	654.6	740.4	878.5	934.9	981.8	959.0	783.3	618.3	527.1
60°	540.5	554.0	584.8	657.2	761.9	810.1	837.0	798.1	639.8	521.8	435.9
62.5°	473.5	486.9	512.4	580.8	645.2	670.6	693.4	643.8	528.5	425.2	372.9
65°	411.8	429.2	445.3	500.3	535.2	566.0	563.3	521.8	413.1	346.1	303.1
67.5°	358.1	364.8	378.2	411.8	427.9	450.7	452.0	405.1	332.6	281.7	256.2
70°	300.4	307.2	316.5	332.6	343.4	348.7	346.1	304.5	250.8	220.0	197.2
72.5°	250.8	249.5	256.2	256.2	266.9	265.6	257.5	225.3	190.5	165.0	151.6
75°	197.2	198.5	199.9	197.2	193.1	187.8	181.1	156.9	134.1	122.1	110.0
77.5°	154.2	151.6	152.9	143.5	138.2	132.8	123.4	111.3	92.5	89.9	84.5
80°	110.0	108.6	107.3	103.3	91.2	85.8	79.1	72.4	68.4	65.7	64.4
82.5°	73.8	73.8	71.1	63.0	56.3	52.3	51.0	48.3	44.3	44.3	42.9
85°	44.3	42.9	40.2	32.2	28.2	28.2	28.2	28.2	25.5	25.5	24.1
87.5°	17.4	16.1	12.1	12.1	10.7	10.7	10.7	9.4	9.4	8.0	8.0
90°	1.5	4.8	8.2	11.5	14.8	16.5	18.7	23.0	27.4	31.7	36.1
92.5°	34.6	32.6	30.6	28.6	26.6	25.6	27.1	30.1	33.1	36.1	39.1
95°	91.7	78.0	64.3	50.6	36.9	30.1	31.9	35.6	39.3	42.9	46.6
97.5°	166.9	157.5	148.2	138.8	129.5	124.8	116.3	99.2	82.2	65.1	48.1
100°	254.2	260.9	267.5	274.2	280.9	284.2	258.1	206.0	153.9	101.7	49.6
102.5°	353.4	357.8	362.1	366.5	370.8	373.0	343.9	285.8	227.6	169.5	111.3
105°	448.2	451.9	455.5	459.2	462.9	464.7	449.7	419.6	389.5	359.4	329.3
107.5°	548.9	551.9	554.9	557.9	560.9	562.4	564.9	569.9	575.0	580.0	585.0
110°	649.7	652.4	655.0	657.7	660.4	661.7	663.5	667.2	670.9	674.5	678.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	745.9	748.2	750.6	752.9	755.2	756.4	758.2	761.9	765.6	769.3	773.0
115°	840.7	842.7	844.7	846.7	848.7	849.7	851.2	854.2	857.2	860.2	863.2
117.5°	933.9	936.2	938.6	940.9	943.2	944.4	945.2	946.9	948.6	950.2	951.9
120°	1019.6	1022.6	1025.6	1028.7	1031.7	1033.2	1033.7	1034.7	1035.7	1036.7	1037.7
122.5°	1106.8	1109.2	1111.5	1113.9	1116.2	1117.4	1118.1	1119.4	1120.7	1122.1	1123.4
125°	1185.0	1187.7	1190.4	1193.1	1195.8	1197.1	1197.8	1199.1	1200.4	1201.8	1203.1
127.5°	1263.2	1265.9	1268.6	1271.3	1274.0	1275.3	1276.1	1277.8	1279.5	1281.1	1282.8
130°	1335.4	1338.1	1340.8	1343.5	1346.2	1347.5	1348.2	1349.5	1350.8	1352.2	1353.5
132.5°	1404.6	1407.3	1409.9	1412.6	1415.3	1416.6	1417.1	1418.1	1419.2	1420.2	1421.2
135°	1475.3	1477.3	1479.3	1481.3	1483.3	1484.3	1485.0	1486.3	1487.6	1489.0	1490.3
137.5°	1535.4	1538.1	1540.8	1543.5	1546.2	1547.5	1547.8	1548.5	1549.2	1549.8	1550.5
140°	1595.6	1597.6	1599.6	1601.6	1603.6	1604.6	1605.1	1606.1	1607.1	1608.1	1609.1
142.5°	1651.2	1653.2	1655.2	1657.3	1659.3	1660.3	1660.8	1661.8	1662.8	1663.8	1664.8
145°	1702.4	1704.7	1707.1	1709.4	1711.7	1712.9	1713.2	1713.9	1714.6	1715.2	1715.9
147.5°	1752.0	1753.7	1755.3	1757.0	1758.7	1759.5	1759.8	1760.5	1761.2	1761.8	1762.5
150°	1797.1	1798.1	1799.1	1800.1	1801.1	1801.6	1801.9	1802.6	1803.3	1803.9	1804.6
152.5°	1837.7	1838.0	1838.4	1838.7	1839.0	1839.2	1839.4	1839.7	1840.0	1840.4	1840.7
155°	1875.3	1874.6	1874.0	1873.3	1872.6	1872.3	1872.5	1872.8	1873.1	1873.5	1873.8
157.5°	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.2	1904.9	1904.6	1904.2	1903.9
160°	1932.5	1932.2	1931.8	1931.5	1931.2	1931.0	1930.8	1930.5	1930.2	1929.8	1929.5
162.5°	1958.0	1957.0	1956.0	1955.0	1954.0	1953.5	1953.3	1953.0	1952.7	1952.3	1952.0
165°	1977.6	1976.6	1975.6	1974.6	1973.6	1973.1	1972.9	1972.6	1972.3	1971.9	1971.6
167.5°	1994.1	1992.8	1991.4	1990.1	1988.8	1988.1	1988.1	1988.1	1988.1	1988.1	1988.1
170°	2007.7	2006.3	2005.0	2003.6	2002.3	2001.6	2001.6	2001.6	2001.6	2001.6	2001.6
172.5°	2016.7	2015.0	2013.4	2011.7	2010.0	2009.2	2009.4	2009.7	2010.0	2010.4	2010.7
175°	2024.2	2022.5	2020.9	2019.2	2017.5	2016.7	2016.9	2017.2	2017.5	2017.9	2018.2
177.5°	2027.2	2025.5	2023.9	2022.2	2020.5	2019.7	2019.9	2020.2	2020.5	2020.9	2021.2
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6
2.5°	1653.8	1653.8	1665.9	1678.0	1671.3	1675.3	1690.0	1684.7	1695.4	1694.1	1698.1
5°	1778.6	1793.3	1805.4	1830.9	1834.9	1830.9	1856.4	1863.1	1875.1	1860.4	1867.1
7.5°	1919.4	1950.2	1979.8	2017.3	2029.4	2032.1	2045.5	2064.3	2080.3	2050.8	2065.6
10°	2056.2	2103.1	2163.5	2197.0	2226.5	2237.3	2248.0	2260.1	2278.9	2296.3	2282.9
12.5°	2203.7	2272.2	2329.8	2390.2	2426.4	2422.4	2453.2	2461.3	2476.0	2480.1	2485.4
15°	2324.5	2421.0	2457.3	2547.1	2555.2	2582.0	2616.9	2647.7	2651.7	2643.7	2643.7
17.5°	2439.8	2523.0	2587.4	2659.8	2674.5	2697.3	2741.6	2756.4	2761.7	2760.4	2760.4
20°	2533.7	2588.7	2697.3	2757.7	2781.8	2811.4	2842.2	2861.0	2865.0	2870.4	2862.3
22.5°	2595.4	2678.6	2767.1	2816.7	2836.8	2847.6	2867.7	2873.1	2866.3	2867.7	2869.0
25°	2643.7	2725.5	2779.2	2792.6	2791.2	2777.8	2763.1	2737.6	2734.9	2724.2	2702.7
27.5°	2657.1	2688.0	2681.2	2626.3	2571.3	2565.9	2477.4	2429.1	2374.1	2382.1	2351.3
30°	2584.7	2544.4	2449.2	2309.7	2252.0	2158.1	2058.9	1955.6	1915.4	1871.1	1952.9
32.5°	2407.6	2264.1	2095.1	1914.0	1817.5	1734.3	1628.3	1553.2	1510.3	1474.1	1543.8
35°	2140.7	1916.7	1692.7	1521.0	1441.9	1366.8	1267.5	1230.0	1176.3	1181.7	1188.4
37.5°	1797.3	1550.5	1381.5	1212.5	1160.2	1129.4	1056.9	999.3	980.5	975.1	975.1
40°	1475.4	1272.9	1122.7	989.9	949.6	924.2	866.5	839.7	819.5	814.2	820.9
42.5°	1220.6	1047.6	930.9	842.3	814.2	782.0	757.8	724.3	720.3	710.9	723.0
45°	1024.7	874.5	787.3	723.0	698.8	686.7	659.9	639.8	631.7	630.4	639.8
47.5°	869.2	752.5	676.0	635.8	617.0	604.9	582.1	574.1	566.0	568.7	564.7
50°	729.7	642.5	592.9	556.6	544.6	532.5	517.7	509.7	505.7	505.7	504.3
52.5°	626.4	554.0	521.8	488.2	482.9	476.2	460.1	454.7	448.0	446.7	452.0
55°	536.5	486.9	454.7	434.6	429.2	415.8	409.1	402.4	398.4	395.7	397.0
57.5°	458.7	421.2	399.7	382.3	372.9	367.5	355.4	354.1	351.4	351.4	350.1
60°	394.3	367.5	342.0	331.3	324.6	317.9	316.5	308.5	304.5	307.2	305.8
62.5°	334.0	312.5	297.8	285.7	281.7	276.3	272.3	269.6	265.6	266.9	266.9
65°	279.0	261.6	250.8	240.1	238.8	233.4	232.0	229.4	229.4	228.0	230.7
67.5°	229.4	217.3	207.9	201.2	197.2	198.5	193.1	189.1	189.1	187.8	191.8
70°	182.4	175.7	166.3	158.3	152.9	152.9	146.2	144.9	144.9	144.9	143.5
72.5°	140.8	128.8	124.7	122.1	122.1	122.1	119.4	119.4	118.0	119.4	118.0
75°	104.6	103.3	100.6	99.3	99.3	97.9	96.6	96.6	96.6	96.6	96.6
77.5°	81.8	81.8	79.1	77.8	77.8	77.8	76.5	76.5	75.1	75.1	75.1
80°	60.4	60.4	57.7	57.7	57.7	56.3	56.3	56.3	57.7	56.3	56.3
82.5°	41.6	41.6	40.2	41.6	40.2	38.9	38.9	38.9	37.6	38.9	38.9
85°	24.1	24.1	22.8	21.5	22.8	22.8	21.5	22.8	21.5	22.8	21.5
87.5°	9.4	8.0	8.0	8.0	6.7	8.0	6.7	6.7	8.0	6.7	8.0
90°	37.4	38.8	40.1	41.4	42.1	42.4	43.1	43.8	44.4	45.1	44.4
92.5°	41.4	43.8	46.1	48.4	49.6	49.8	50.1	50.4	50.8	51.1	50.8
95°	48.9	51.3	53.6	55.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1
97.5°	50.8	53.5	56.2	58.9	60.2	60.4	60.7	61.0	61.4	61.7	61.4
100°	52.3	55.0	57.7	60.4	61.7	61.9	62.2	62.5	62.9	63.2	62.9
102.5°	100.3	89.3	78.2	67.2	61.7	62.0	62.7	63.4	64.0	64.7	64.0
105°	270.2	211.0	151.9	92.8	63.2	63.5	64.2	64.9	65.5	66.2	65.5
107.5°	533.5	482.1	430.6	379.1	353.4	331.5	287.7	244.0	200.2	156.4	200.2
110°	667.2	656.2	645.1	634.1	628.6	604.7	556.9	509.2	461.4	413.6	461.4

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	776.0	779.0	782.0	785.0	786.5	786.2	785.5	784.8	784.2	783.5	784.2
115°	866.6	869.9	873.3	876.6	878.3	879.0	880.3	881.6	883.0	884.3	883.0
117.5°	954.6	957.3	960.0	962.7	964.0	964.2	964.5	964.8	965.2	965.5	965.2
120°	1040.4	1043.0	1045.7	1048.4	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7
122.5°	1125.1	1126.7	1128.4	1130.1	1130.9	1131.1	1131.4	1131.7	1132.1	1132.4	1132.1
125°	1203.8	1204.4	1205.1	1205.8	1206.1	1206.4	1207.1	1207.8	1208.4	1209.1	1208.4
127.5°	1283.8	1284.8	1285.8	1286.8	1287.3	1287.0	1286.3	1285.6	1285.0	1284.3	1285.0
130°	1354.8	1356.2	1357.5	1358.8	1359.5	1359.2	1358.5	1357.8	1357.2	1356.5	1357.2
132.5°	1422.5	1423.9	1425.2	1426.5	1427.2	1426.7	1425.7	1424.7	1423.7	1422.7	1423.7
135°	1491.3	1492.3	1493.3	1494.3	1494.8	1494.3	1493.3	1492.3	1491.3	1490.3	1491.3
137.5°	1552.2	1553.8	1555.5	1557.2	1558.0	1557.7	1557.0	1556.3	1555.7	1555.0	1555.7
140°	1610.5	1611.8	1613.2	1614.5	1615.2	1614.9	1614.2	1613.5	1612.8	1612.1	1612.8
142.5°	1665.8	1666.8	1667.8	1668.8	1669.3	1668.8	1667.8	1666.8	1665.8	1664.8	1665.8
145°	1716.6	1717.2	1717.9	1718.6	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9
147.5°	1763.2	1763.8	1764.5	1765.2	1765.5	1764.7	1763.0	1761.3	1759.7	1758.0	1759.7
150°	1805.3	1805.9	1806.6	1807.3	1807.6	1807.1	1806.1	1805.1	1804.1	1803.1	1804.1
152.5°	1842.0	1843.4	1844.7	1846.0	1846.7	1845.9	1844.2	1842.5	1840.9	1839.2	1840.9
155°	1875.5	1877.1	1878.8	1880.5	1881.3	1880.3	1878.3	1876.3	1874.3	1872.3	1874.3
157.5°	1905.9	1907.9	1909.9	1911.9	1912.9	1911.6	1908.9	1906.2	1903.6	1900.9	1903.6
160°	1931.5	1933.5	1935.5	1937.5	1938.5	1937.3	1935.0	1932.7	1930.3	1928.0	1930.3
162.5°	1954.3	1956.7	1959.0	1961.3	1962.5	1961.5	1959.5	1957.5	1955.5	1953.5	1955.5
165°	1974.3	1976.9	1979.6	1982.3	1983.6	1982.4	1980.1	1977.8	1975.4	1973.1	1975.4
167.5°	1990.8	1993.4	1996.1	1998.8	2000.1	1998.8	1996.1	1993.4	1990.8	1988.1	1990.8
170°	2004.3	2007.0	2009.7	2012.4	2013.7	2012.4	2009.7	2007.0	2004.3	2001.6	2004.3
172.5°	2013.4	2016.0	2018.7	2021.4	2022.7	2021.2	2018.2	2015.2	2012.2	2009.2	2012.2
175°	2020.5	2022.9	2025.2	2027.5	2028.7	2027.4	2024.7	2022.0	2019.4	2016.7	2019.4
177.5°	2023.9	2026.5	2029.2	2031.9	2033.2	2031.5	2028.2	2024.9	2021.5	2018.2	2021.5
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6
2.5°	1691.4	1683.3	1678.0	1673.9	1669.9	1682.0	1665.9	1648.5	1636.4	1628.3	1625.6
5°	1868.4	1851.0	1836.2	1824.2	1826.8	1826.8	1798.7	1767.8	1741.0	1726.2	1710.2
7.5°	2073.6	2054.9	2025.4	2018.6	2013.3	1979.8	1951.6	1895.2	1861.7	1828.2	1798.7
10°	2277.5	2253.4	2225.2	2215.8	2202.4	2160.8	2117.9	2045.5	2003.9	1942.2	1903.3
12.5°	2468.0	2438.5	2410.3	2403.6	2383.5	2347.3	2273.5	2198.4	2127.3	2061.6	1993.2
15°	2627.6	2619.5	2576.6	2549.8	2505.5	2455.9	2439.8	2337.9	2248.0	2179.6	2056.2
17.5°	2761.7	2724.2	2683.9	2666.5	2649.1	2591.4	2533.7	2429.1	2332.5	2231.9	2152.8
20°	2869.0	2827.4	2799.3	2773.8	2765.7	2700.0	2608.8	2516.3	2410.3	2297.6	2194.4
22.5°	2874.4	2869.0	2850.3	2835.5	2819.4	2776.5	2704.0	2588.7	2476.0	2352.6	2217.2
25°	2763.1	2755.0	2808.7	2795.3	2806.0	2789.9	2751.0	2654.4	2523.0	2378.1	2241.3
27.5°	2427.7	2509.6	2594.1	2623.6	2643.7	2701.4	2720.1	2666.5	2560.5	2406.3	2253.4
30°	1971.7	2080.3	2217.2	2290.9	2347.3	2454.6	2594.1	2611.5	2561.9	2438.5	2250.7
32.5°	1547.9	1647.1	1757.1	1844.3	1919.4	2139.4	2327.1	2462.6	2486.8	2422.4	2257.4
35°	1247.4	1290.3	1394.9	1478.1	1580.0	1767.8	1989.1	2207.8	2355.3	2363.4	2237.3
37.5°	1028.8	1051.6	1142.8	1189.7	1250.1	1415.1	1621.6	1907.3	2136.7	2245.3	2180.9
40°	851.7	904.0	956.3	983.2	1026.1	1140.1	1338.6	1562.6	1847.0	2048.2	2093.8
42.5°	739.1	761.9	795.4	832.9	859.8	959.0	1091.8	1297.0	1553.2	1833.5	1959.6
45°	651.9	659.9	694.8	718.9	747.1	816.8	910.7	1082.4	1307.8	1584.1	1798.7
47.5°	579.4	595.5	614.3	629.1	647.8	701.5	782.0	906.7	1105.2	1352.0	1582.7
50°	515.1	524.4	548.6	555.3	568.7	606.3	668.0	763.2	926.8	1124.0	1362.8
52.5°	454.7	472.1	481.5	490.9	503.0	533.8	574.1	651.9	775.3	960.4	1162.9
55°	407.8	413.1	426.5	434.6	444.0	465.4	500.3	558.0	654.6	802.1	993.9
57.5°	362.1	362.1	375.6	382.3	391.7	407.8	438.6	482.9	552.6	662.6	838.3
60°	313.9	315.2	325.9	334.0	336.7	352.8	378.2	413.1	466.8	547.2	690.8
62.5°	270.9	277.6	283.0	285.7	295.1	304.5	325.9	350.1	387.6	458.7	560.7
65°	234.7	236.1	240.1	242.8	246.8	257.5	273.6	289.7	321.9	374.2	457.4
67.5°	193.1	198.5	203.9	203.9	207.9	213.3	229.4	242.8	266.9	297.8	354.1
70°	144.9	147.5	155.6	159.6	165.0	174.4	182.4	190.5	209.2	232.0	275.0
72.5°	120.7	120.7	123.4	124.7	124.7	131.4	143.5	151.6	161.0	177.1	206.6
75°	96.6	96.6	100.6	99.3	101.9	104.6	106.0	111.3	116.7	128.8	146.2
77.5°	76.5	77.8	77.8	79.1	79.1	80.5	81.8	84.5	87.2	93.9	101.9
80°	56.3	57.7	57.7	59.0	59.0	60.4	61.7	63.0	65.7	68.4	72.4
82.5°	38.9	40.2	40.2	41.6	40.2	41.6	42.9	42.9	44.3	46.9	48.3
85°	22.8	22.8	24.1	22.8	22.8	22.8	24.1	24.1	25.5	29.5	29.5
87.5°	6.7	8.0	6.7	8.0	8.0	8.0	8.0	9.4	9.4	10.7	12.1
90°	43.8	43.1	42.4	42.1	41.4	40.1	38.8	37.4	36.1	31.7	27.4
92.5°	50.4	50.1	49.8	49.6	48.4	46.1	43.8	41.4	39.1	36.1	33.1
95°	57.1	57.1	57.1	57.1	55.9	53.6	51.3	48.9	46.6	42.9	39.3
97.5°	61.0	60.7	60.4	60.2	58.9	56.2	53.5	50.8	48.1	65.1	82.2
100°	62.5	62.2	61.9	61.7	60.4	57.7	55.0	52.3	49.6	101.7	153.9
102.5°	63.4	62.7	62.0	61.7	67.2	78.2	89.3	100.3	111.3	169.5	227.6
105°	64.9	64.2	63.5	63.2	92.8	151.9	211.0	270.2	329.3	359.4	389.5
107.5°	244.0	287.7	331.5	353.4	379.1	430.6	482.1	533.5	585.0	580.0	575.0
110°	509.2	556.9	604.7	628.6	634.1	645.1	656.2	667.2	678.2	674.5	670.9

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	784.8	785.5	786.2	786.5	785.0	782.0	779.0	776.0	773.0	769.3	765.6
115°	881.6	880.3	879.0	878.3	876.6	873.3	869.9	866.6	863.2	860.2	857.2
117.5°	964.8	964.5	964.2	964.0	962.7	960.0	957.3	954.6	951.9	950.2	948.6
120°	1049.7	1049.7	1049.7	1049.7	1048.4	1045.7	1043.0	1040.4	1037.7	1036.7	1035.7
122.5°	1131.7	1131.4	1131.1	1130.9	1130.1	1128.4	1126.7	1125.1	1123.4	1122.1	1120.7
125°	1207.8	1207.1	1206.4	1206.1	1205.8	1205.1	1204.4	1203.8	1203.1	1201.8	1200.4
127.5°	1285.6	1286.3	1287.0	1287.3	1286.8	1285.8	1284.8	1283.8	1282.8	1281.1	1279.5
130°	1357.8	1358.5	1359.2	1359.5	1358.8	1357.5	1356.2	1354.8	1353.5	1352.2	1350.8
132.5°	1424.7	1425.7	1426.7	1427.2	1426.5	1425.2	1423.9	1422.5	1421.2	1420.2	1419.2
135°	1492.3	1493.3	1494.3	1494.8	1494.3	1493.3	1492.3	1491.3	1490.3	1489.0	1487.6
137.5°	1556.3	1557.0	1557.7	1558.0	1557.2	1555.5	1553.8	1552.2	1550.5	1549.8	1549.2
140°	1613.5	1614.2	1614.9	1615.2	1614.5	1613.2	1611.8	1610.5	1609.1	1608.1	1607.1
142.5°	1666.8	1667.8	1668.8	1669.3	1668.8	1667.8	1666.8	1665.8	1664.8	1663.8	1662.8
145°	1718.9	1718.9	1718.9	1718.9	1718.6	1717.9	1717.2	1716.6	1715.9	1715.2	1714.6
147.5°	1761.3	1763.0	1764.7	1765.5	1765.2	1764.5	1763.8	1763.2	1762.5	1761.8	1761.2
150°	1805.1	1806.1	1807.1	1807.6	1807.3	1806.6	1805.9	1805.3	1804.6	1803.9	1803.3
152.5°	1842.5	1844.2	1845.9	1846.7	1846.0	1844.7	1843.4	1842.0	1840.7	1840.4	1840.0
155°	1876.3	1878.3	1880.3	1881.3	1880.5	1878.8	1877.1	1875.5	1873.8	1873.5	1873.1
157.5°	1906.2	1908.9	1911.6	1912.9	1911.9	1909.9	1907.9	1905.9	1903.9	1904.2	1904.6
160°	1932.7	1935.0	1937.3	1938.5	1937.5	1935.5	1933.5	1931.5	1929.5	1929.8	1930.2
162.5°	1957.5	1959.5	1961.5	1962.5	1961.3	1959.0	1956.7	1954.3	1952.0	1952.3	1952.7
165°	1977.8	1980.1	1982.4	1983.6	1982.3	1979.6	1976.9	1974.3	1971.6	1971.9	1972.3
167.5°	1993.4	1996.1	1998.8	2000.1	1998.8	1996.1	1993.4	1990.8	1988.1	1988.1	1988.1
170°	2007.0	2009.7	2012.4	2013.7	2012.4	2009.7	2007.0	2004.3	2001.6	2001.6	2001.6
172.5°	2015.2	2018.2	2021.2	2022.7	2021.4	2018.7	2016.0	2013.4	2010.7	2010.4	2010.0
175°	2022.0	2024.7	2027.4	2028.7	2027.5	2025.2	2022.9	2020.5	2018.2	2017.9	2017.5
177.5°	2024.9	2028.2	2031.5	2033.2	2031.9	2029.2	2026.5	2023.9	2021.2	2020.9	2020.5
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6
2.5°	1621.6	1614.9	1608.2	1608.2	1593.5	1580.0	1573.3	1576.0	1568.0	1557.2	1546.5
5°	1692.7	1665.9	1660.5	1645.8	1625.6	1597.5	1582.7	1569.3	1553.2	1531.8	1511.6
7.5°	1758.4	1723.6	1704.8	1690.0	1651.1	1612.2	1580.0	1558.6	1530.4	1498.2	1474.1
10°	1844.3	1779.9	1759.8	1726.2	1671.3	1616.3	1578.7	1543.8	1504.9	1467.4	1435.2
12.5°	1912.7	1838.9	1801.4	1767.8	1696.7	1627.0	1563.9	1521.0	1474.1	1432.5	1390.9
15°	1990.5	1907.3	1841.6	1801.4	1711.5	1627.0	1555.9	1495.5	1443.2	1392.3	1356.0
17.5°	2028.0	1923.4	1893.9	1836.2	1706.1	1621.6	1534.4	1470.1	1407.0	1348.0	1305.1
20°	2087.1	1965.0	1891.2	1852.3	1737.0	1612.2	1510.3	1436.5	1370.8	1307.8	1262.2
22.5°	2091.1	1958.3	1910.0	1836.2	1694.1	1584.1	1488.8	1399.0	1322.5	1263.5	1216.6
25°	2081.7	1946.2	1879.2	1820.1	1702.1	1568.0	1445.9	1357.4	1282.3	1213.9	1158.9
27.5°	2077.7	1911.3	1848.3	1789.3	1656.5	1521.0	1420.4	1319.8	1234.0	1173.6	1117.3
30°	2072.3	1873.8	1797.3	1728.9	1606.9	1484.8	1364.1	1276.9	1195.1	1118.6	1062.3
32.5°	2037.4	1822.8	1745.0	1672.6	1541.1	1419.1	1323.9	1231.3	1142.8	1071.7	1020.7
35°	2026.7	1775.9	1673.9	1596.1	1467.4	1358.7	1258.1	1181.7	1098.5	1027.4	967.1
37.5°	1995.8	1727.6	1617.6	1518.3	1384.2	1280.9	1207.2	1130.7	1050.2	973.8	925.5
40°	1942.2	1671.3	1546.5	1444.6	1306.4	1201.8	1133.4	1077.1	997.9	929.5	870.5
42.5°	1863.1	1613.6	1479.4	1372.1	1219.2	1121.3	1065.0	1011.3	944.3	873.2	824.9
45°	1771.8	1537.1	1412.4	1293.0	1137.4	1042.2	983.2	951.0	889.3	828.9	772.6
47.5°	1647.1	1458.0	1334.6	1211.2	1052.9	960.4	913.4	881.2	838.3	772.6	727.0
50°	1490.2	1356.0	1239.4	1129.4	969.8	881.2	834.3	810.1	773.9	727.0	682.7
52.5°	1315.8	1238.0	1141.4	1039.5	885.3	802.1	759.2	740.4	713.6	669.3	631.7
55°	1140.1	1106.6	1040.8	940.2	796.7	728.3	690.8	666.6	646.5	614.3	582.1
57.5°	983.2	967.1	921.5	843.7	723.0	651.9	619.7	603.6	587.5	563.3	531.2
60°	820.9	838.3	791.4	752.5	642.5	580.8	552.6	535.2	527.1	505.7	485.5
62.5°	680.0	696.1	669.3	639.8	562.0	507.0	489.6	473.5	468.1	449.3	429.2
65°	552.6	572.7	552.6	536.5	489.6	444.0	422.5	414.5	409.1	397.0	380.9
67.5°	439.9	460.1	450.7	430.6	415.8	378.2	366.2	358.1	355.4	346.1	332.6
70°	331.3	359.5	362.1	350.1	336.7	319.2	311.2	308.5	301.8	293.7	285.7
72.5°	238.8	270.9	272.3	272.3	264.2	264.2	256.2	252.2	252.2	244.1	234.7
75°	175.7	197.2	199.9	202.5	206.6	210.6	205.2	205.2	203.9	195.8	191.8
77.5°	116.7	135.5	142.2	151.6	156.9	156.9	159.6	162.3	159.6	155.6	152.9
80°	75.1	88.5	96.6	101.9	110.0	114.0	118.0	119.4	116.7	115.4	111.3
82.5°	49.6	53.7	57.7	64.4	73.8	80.5	80.5	79.1	81.8	80.5	79.1
85°	28.2	30.8	32.2	33.5	38.9	45.6	46.9	48.3	51.0	48.3	45.6
87.5°	10.7	12.1	12.1	12.1	14.8	16.1	20.1	25.5	24.1	21.5	21.5
90°	23.0	18.7	16.5	14.8	11.5	8.2	4.8	1.5	4.8	8.2	11.5
92.5°	30.1	27.1	25.6	26.6	28.6	30.6	32.6	34.6	32.6	30.6	28.6
95°	35.6	31.9	30.1	36.9	50.6	64.3	78.0	91.7	78.0	64.3	50.6
97.5°	99.2	116.3	124.8	129.5	138.8	148.2	157.5	166.9	157.5	148.2	138.8
100°	206.0	258.1	284.2	280.9	274.2	267.5	260.9	254.2	260.9	267.5	274.2
102.5°	285.8	343.9	373.0	370.8	366.5	362.1	357.8	353.4	357.8	362.1	366.5
105°	419.6	449.7	464.7	462.9	459.2	455.5	451.9	448.2	451.9	455.5	459.2
107.5°	569.9	564.9	562.4	560.9	557.9	554.9	551.9	548.9	551.9	554.9	557.9
110°	667.2	663.5	661.7	660.4	657.7	655.0	652.4	649.7	652.4	655.0	657.7

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	761.9	758.2	756.4	755.2	752.9	750.6	748.2	745.9	748.2	750.6	752.9
115°	854.2	851.2	849.7	848.7	846.7	844.7	842.7	840.7	842.7	844.7	846.7
117.5°	946.9	945.2	944.4	943.2	940.9	938.6	936.2	933.9	936.2	938.6	940.9
120°	1034.7	1033.7	1033.2	1031.7	1028.7	1025.6	1022.6	1019.6	1022.6	1025.6	1028.7
122.5°	1119.4	1118.1	1117.4	1116.2	1113.9	1111.5	1109.2	1106.8	1109.2	1111.5	1113.9
125°	1199.1	1197.8	1197.1	1195.8	1193.1	1190.4	1187.7	1185.0	1187.7	1190.4	1193.1
127.5°	1277.8	1276.1	1275.3	1274.0	1271.3	1268.6	1265.9	1263.2	1265.9	1268.6	1271.3
130°	1349.5	1348.2	1347.5	1346.2	1343.5	1340.8	1338.1	1335.4	1338.1	1340.8	1343.5
132.5°	1418.1	1417.1	1416.6	1415.3	1412.6	1409.9	1407.3	1404.6	1407.3	1409.9	1412.6
135°	1486.3	1485.0	1484.3	1483.3	1481.3	1479.3	1477.3	1475.3	1477.3	1479.3	1481.3
137.5°	1548.5	1547.8	1547.5	1546.2	1543.5	1540.8	1538.1	1535.4	1538.1	1540.8	1543.5
140°	1606.1	1605.1	1604.6	1603.6	1601.6	1599.6	1597.6	1595.6	1597.6	1599.6	1601.6
142.5°	1661.8	1660.8	1660.3	1659.3	1657.3	1655.2	1653.2	1651.2	1653.2	1655.2	1657.3
145°	1713.9	1713.2	1712.9	1711.7	1709.4	1707.1	1704.7	1702.4	1704.7	1707.1	1709.4
147.5°	1760.5	1759.8	1759.5	1758.7	1757.0	1755.3	1753.7	1752.0	1753.7	1755.3	1757.0
150°	1802.6	1801.9	1801.6	1801.1	1800.1	1799.1	1798.1	1797.1	1798.1	1799.1	1800.1
152.5°	1839.7	1839.4	1839.2	1839.0	1838.7	1838.4	1838.0	1837.7	1838.0	1838.4	1838.7
155°	1872.8	1872.5	1872.3	1872.6	1873.3	1874.0	1874.6	1875.3	1874.6	1874.0	1873.3
157.5°	1904.9	1905.2	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4
160°	1930.5	1930.8	1931.0	1931.2	1931.5	1931.8	1932.2	1932.5	1932.2	1931.8	1931.5
162.5°	1953.0	1953.3	1953.5	1954.0	1955.0	1956.0	1957.0	1958.0	1957.0	1956.0	1955.0
165°	1972.6	1972.9	1973.1	1973.6	1974.6	1975.6	1976.6	1977.6	1976.6	1975.6	1974.6
167.5°	1988.1	1988.1	1988.1	1988.8	1990.1	1991.4	1992.8	1994.1	1992.8	1991.4	1990.1
170°	2001.6	2001.6	2001.6	2002.3	2003.6	2005.0	2006.3	2007.7	2006.3	2005.0	2003.6
172.5°	2009.7	2009.4	2009.2	2010.0	2011.7	2013.4	2015.0	2016.7	2015.0	2013.4	2011.7
175°	2017.2	2016.9	2016.7	2017.5	2019.2	2020.9	2022.5	2024.2	2022.5	2020.9	2019.2
177.5°	2020.2	2019.9	2019.7	2020.5	2022.2	2023.9	2025.5	2027.2	2025.5	2023.9	2022.2
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6
2.5°	1546.5	1539.8	1537.1	1530.4	1514.3	1503.6	1491.5	1483.5	1484.8	1478.1	1482.1
5°	1498.2	1496.9	1487.5	1474.1	1451.3	1439.2	1417.7	1407.0	1401.7	1403.0	1394.9
7.5°	1458.0	1445.9	1439.2	1417.7	1396.3	1370.8	1353.4	1344.0	1335.9	1327.9	1322.5
10°	1412.4	1401.7	1390.9	1368.1	1338.6	1314.5	1290.3	1280.9	1268.9	1263.5	1259.5
12.5°	1364.1	1357.4	1344.0	1317.2	1283.6	1260.8	1232.6	1227.3	1211.2	1200.5	1197.8
15°	1319.8	1315.8	1291.7	1260.8	1227.3	1204.5	1180.3	1164.2	1137.4	1142.8	1133.4
17.5°	1272.9	1255.5	1240.7	1199.1	1183.0	1148.1	1120.0	1111.9	1093.2	1081.1	1069.0
20°	1220.6	1209.8	1191.1	1164.2	1125.3	1085.1	1063.6	1050.2	1039.5	1020.7	1015.4
22.5°	1171.0	1157.5	1141.4	1106.6	1073.0	1039.5	1010.0	997.9	984.5	971.1	963.0
25°	1132.1	1111.9	1094.5	1051.6	1018.0	989.9	971.1	951.0	932.2	924.2	921.5
27.5°	1071.7	1059.6	1042.2	1001.9	971.1	940.2	922.8	909.4	889.3	879.9	871.8
30°	1032.8	1008.7	988.5	956.3	925.5	892.0	875.9	859.8	847.7	835.6	826.2
32.5°	980.5	961.7	945.6	913.4	882.6	851.7	834.3	810.1	803.4	794.0	783.3
35°	929.5	917.4	900.0	865.1	831.6	810.1	791.4	768.6	760.5	753.8	744.4
37.5°	881.2	863.8	851.7	818.2	788.7	763.2	748.4	729.7	724.3	716.3	709.5
40°	839.7	822.2	810.1	776.6	745.8	718.9	709.5	690.8	682.7	673.3	669.3
42.5°	792.7	778.0	761.9	737.7	705.5	678.7	659.9	649.2	638.5	634.4	626.4
45°	743.1	729.7	717.6	690.8	657.2	638.5	622.4	607.6	599.6	592.9	587.5
47.5°	700.2	688.1	672.0	642.5	615.7	598.2	582.1	567.4	559.3	551.3	544.6
50°	650.5	643.8	626.4	598.2	572.7	552.6	537.9	524.4	519.1	509.7	499.0
52.5°	606.3	594.2	579.4	556.6	533.8	509.7	489.6	481.5	472.1	466.8	457.4
55°	554.0	545.9	529.8	509.7	485.5	465.4	450.7	439.9	427.9	422.5	410.4
57.5°	509.7	494.9	486.9	461.4	438.6	418.5	407.8	397.0	383.6	375.6	370.2
60°	461.4	448.0	435.9	414.5	398.4	376.9	360.8	351.4	342.0	331.3	325.9
62.5°	414.5	403.7	389.0	371.5	351.4	334.0	321.9	308.5	303.1	292.4	288.4
65°	363.5	355.4	343.4	323.3	307.2	292.4	280.3	269.6	264.2	260.2	257.5
67.5°	317.9	307.2	299.1	281.7	264.2	252.2	245.5	238.8	232.0	228.0	224.0
70°	270.9	262.9	254.8	238.8	226.7	215.9	210.6	205.2	201.2	197.2	193.1
72.5°	222.7	218.6	210.6	199.9	190.5	182.4	178.4	171.7	167.7	161.0	158.3
75°	183.8	177.1	173.0	163.6	155.6	148.9	143.5	135.5	130.1	127.4	126.1
77.5°	144.9	142.2	136.8	128.8	124.7	118.0	110.0	107.3	104.6	104.6	103.3
80°	108.6	104.6	100.6	93.9	89.9	84.5	84.5	84.5	83.2	84.5	83.2
82.5°	73.8	71.1	68.4	64.4	63.0	63.0	64.4	64.4	64.4	64.4	64.4
85°	42.9	42.9	42.9	44.3	42.9	42.9	44.3	45.6	44.3	44.3	42.9
87.5°	20.1	20.1	21.5	21.5	22.8	22.8	22.8	22.8	22.8	22.8	24.1
90°	14.8	16.5	18.7	23.0	27.4	31.7	36.1	37.4	38.8	40.1	41.4
92.5°	26.6	25.6	27.1	30.1	33.1	36.1	39.1	41.4	43.8	46.1	48.4
95°	36.9	30.1	31.9	35.6	39.3	42.9	46.6	48.9	51.3	53.6	55.9
97.5°	129.5	124.8	116.3	99.2	82.2	65.1	48.1	50.8	53.5	56.2	58.9
100°	280.9	284.2	258.1	206.0	153.9	101.7	49.6	52.3	55.0	57.7	60.4
102.5°	370.8	373.0	343.9	285.8	227.6	169.5	111.3	100.3	89.3	78.2	67.2
105°	462.9	464.7	449.7	419.6	389.5	359.4	329.3	270.2	211.0	151.9	92.8
107.5°	560.9	562.4	564.9	569.9	575.0	580.0	585.0	533.5	482.1	430.6	379.1
110°	660.4	661.7	663.5	667.2	670.9	674.5	678.2	667.2	656.2	645.1	634.1

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	755.2	756.4	758.2	761.9	765.6	769.3	773.0	776.0	779.0	782.0	785.0
115°	848.7	849.7	851.2	854.2	857.2	860.2	863.2	866.6	869.9	873.3	876.6
117.5°	943.2	944.4	945.2	946.9	948.6	950.2	951.9	954.6	957.3	960.0	962.7
120°	1031.7	1033.2	1033.7	1034.7	1035.7	1036.7	1037.7	1040.4	1043.0	1045.7	1048.4
122.5°	1116.2	1117.4	1118.1	1119.4	1120.7	1122.1	1123.4	1125.1	1126.7	1128.4	1130.1
125°	1195.8	1197.1	1197.8	1199.1	1200.4	1201.8	1203.1	1203.8	1204.4	1205.1	1205.8
127.5°	1274.0	1275.3	1276.1	1277.8	1279.5	1281.1	1282.8	1283.8	1284.8	1285.8	1286.8
130°	1346.2	1347.5	1348.2	1349.5	1350.8	1352.2	1353.5	1354.8	1356.2	1357.5	1358.8
132.5°	1415.3	1416.6	1417.1	1418.1	1419.2	1420.2	1421.2	1422.5	1423.9	1425.2	1426.5
135°	1483.3	1484.3	1485.0	1486.3	1487.6	1489.0	1490.3	1491.3	1492.3	1493.3	1494.3
137.5°	1546.2	1547.5	1547.8	1548.5	1549.2	1549.8	1550.5	1552.2	1553.8	1555.5	1557.2
140°	1603.6	1604.6	1605.1	1606.1	1607.1	1608.1	1609.1	1610.5	1611.8	1613.2	1614.5
142.5°	1659.3	1660.3	1660.8	1661.8	1662.8	1663.8	1664.8	1665.8	1666.8	1667.8	1668.8
145°	1711.7	1712.9	1713.2	1713.9	1714.6	1715.2	1715.9	1716.6	1717.2	1717.9	1718.6
147.5°	1758.7	1759.5	1759.8	1760.5	1761.2	1761.8	1762.5	1763.2	1763.8	1764.5	1765.2
150°	1801.1	1801.6	1801.9	1802.6	1803.3	1803.9	1804.6	1805.3	1805.9	1806.6	1807.3
152.5°	1839.0	1839.2	1839.4	1839.7	1840.0	1840.4	1840.7	1842.0	1843.4	1844.7	1846.0
155°	1872.6	1872.3	1872.5	1872.8	1873.1	1873.5	1873.8	1875.5	1877.1	1878.8	1880.5
157.5°	1905.4	1905.4	1905.2	1904.9	1904.6	1904.2	1903.9	1905.9	1907.9	1909.9	1911.9
160°	1931.2	1931.0	1930.8	1930.5	1930.2	1929.8	1929.5	1931.5	1933.5	1935.5	1937.5
162.5°	1954.0	1953.5	1953.3	1953.0	1952.7	1952.3	1952.0	1954.3	1956.7	1959.0	1961.3
165°	1973.6	1973.1	1972.9	1972.6	1972.3	1971.9	1971.6	1974.3	1976.9	1979.6	1982.3
167.5°	1988.8	1988.1	1988.1	1988.1	1988.1	1988.1	1988.1	1990.8	1993.4	1996.1	1998.8
170°	2002.3	2001.6	2001.6	2001.6	2001.6	2001.6	2001.6	2004.3	2007.0	2009.7	2012.4
172.5°	2010.0	2009.2	2009.4	2009.7	2010.0	2010.4	2010.7	2013.4	2016.0	2018.7	2021.4
175°	2017.5	2016.7	2016.9	2017.2	2017.5	2017.9	2018.2	2020.5	2022.9	2025.2	2027.5
177.5°	2020.5	2019.7	2019.9	2020.2	2020.5	2020.9	2021.2	2023.9	2026.5	2029.2	2031.9
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6
2.5°	1480.8	1482.1	1478.1	1470.1	1468.7	1471.4	1479.4	1476.8	1470.1	1482.1	1471.4
5°	1399.0	1392.3	1389.6	1392.3	1384.2	1380.2	1388.2	1384.2	1388.2	1389.6	1393.6
7.5°	1319.8	1321.2	1313.1	1314.5	1303.7	1306.4	1306.4	1306.4	1310.4	1313.1	1318.5
10°	1251.4	1254.1	1244.7	1246.1	1238.0	1232.6	1236.7	1244.7	1244.7	1244.7	1247.4
12.5°	1196.4	1184.4	1177.7	1176.3	1166.9	1164.2	1172.3	1175.0	1181.7	1181.7	1185.7
15°	1128.0	1125.3	1120.0	1120.0	1097.2	1102.5	1105.2	1114.6	1128.0	1117.3	1120.0
17.5°	1066.3	1059.6	1052.9	1050.2	1047.6	1039.5	1050.2	1048.9	1056.9	1058.3	1062.3
20°	1011.3	1006.0	992.6	993.9	996.6	984.5	991.2	991.2	999.3	1007.3	1016.7
22.5°	957.7	952.3	945.6	948.3	940.2	937.6	937.6	944.3	953.7	960.4	959.0
25°	916.1	906.7	902.7	898.7	894.6	897.3	893.3	900.0	906.7	910.7	906.7
27.5°	869.2	865.1	857.1	853.1	846.4	849.0	851.7	857.1	861.1	861.1	865.1
30°	823.6	818.2	815.5	811.5	811.5	806.1	807.5	812.8	816.8	820.9	826.2
32.5°	779.3	775.3	771.2	771.2	768.6	767.2	765.9	773.9	773.9	782.0	782.0
35°	743.1	736.4	736.4	729.7	732.3	731.0	728.3	733.7	735.0	740.4	739.1
37.5°	702.8	702.8	700.2	693.4	688.1	689.4	696.1	696.1	700.2	698.8	702.8
40°	662.6	659.9	659.9	655.9	654.6	653.2	654.6	655.9	662.6	661.3	662.6
42.5°	622.4	623.7	617.0	617.0	617.0	613.0	614.3	615.7	618.3	621.0	625.0
45°	583.5	580.8	579.4	576.8	574.1	575.4	574.1	579.4	578.1	580.8	584.8
47.5°	541.9	537.9	536.5	531.2	531.2	533.8	532.5	536.5	537.9	541.9	539.2
50°	501.6	496.3	492.3	493.6	485.5	488.2	488.2	492.3	496.3	497.6	500.3
52.5°	454.7	453.4	452.0	445.3	444.0	442.6	444.0	445.3	450.7	454.7	456.0
55°	409.1	407.8	399.7	397.0	393.0	393.0	395.7	397.0	406.4	407.8	413.1
57.5°	367.5	363.5	354.1	352.8	352.8	352.8	348.7	354.1	356.8	363.5	363.5
60°	321.9	321.9	313.9	313.9	315.2	313.9	313.9	315.2	315.2	320.6	323.3
62.5°	285.7	284.4	284.4	281.7	280.3	281.7	280.3	280.3	281.7	285.7	289.7
65°	253.5	252.2	250.8	249.5	246.8	246.8	248.1	250.8	250.8	253.5	254.8
67.5°	222.7	222.7	220.0	220.0	218.6	217.3	218.6	217.3	222.7	222.7	224.0
70°	191.8	190.5	186.4	185.1	181.1	182.4	182.4	186.4	187.8	190.5	193.1
72.5°	154.2	154.2	151.6	148.9	150.2	147.5	147.5	148.9	148.9	152.9	154.2
75°	127.4	124.7	123.4	124.7	123.4	126.1	123.4	123.4	126.1	126.1	126.1
77.5°	104.6	104.6	103.3	103.3	104.6	103.3	104.6	104.6	104.6	103.3	104.6
80°	85.8	84.5	84.5	84.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2
82.5°	64.4	64.4	63.0	64.4	64.4	63.0	64.4	63.0	63.0	64.4	64.4
85°	42.9	45.6	42.9	42.9	44.3	44.3	45.6	44.3	45.6	42.9	44.3
87.5°	22.8	24.1	24.1	22.8	22.8	24.1	24.1	24.1	25.5	22.8	24.1
90°	42.1	42.4	43.1	43.8	44.4	45.1	44.4	43.8	43.1	42.4	42.1
92.5°	49.6	49.8	50.1	50.4	50.8	51.1	50.8	50.4	50.1	49.8	49.6
95°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
97.5°	60.2	60.4	60.7	61.0	61.4	61.7	61.4	61.0	60.7	60.4	60.2
100°	61.7	61.9	62.2	62.5	62.9	63.2	62.9	62.5	62.2	61.9	61.7
102.5°	61.7	62.0	62.7	63.4	64.0	64.7	64.0	63.4	62.7	62.0	61.7
105°	63.2	63.5	64.2	64.9	65.5	66.2	65.5	64.9	64.2	63.5	63.2
107.5°	353.4	331.5	287.7	244.0	200.2	156.4	200.2	244.0	287.7	331.5	353.4
110°	628.6	604.7	556.9	509.2	461.4	413.6	461.4	509.2	556.9	604.7	628.6

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	786.5	786.2	785.5	784.8	784.2	783.5	784.2	784.8	785.5	786.2	786.5
115°	878.3	879.0	880.3	881.6	883.0	884.3	883.0	881.6	880.3	879.0	878.3
117.5°	964.0	964.2	964.5	964.8	965.2	965.5	965.2	964.8	964.5	964.2	964.0
120°	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7
122.5°	1130.9	1131.1	1131.4	1131.7	1132.1	1132.4	1132.1	1131.7	1131.4	1131.1	1130.9
125°	1206.1	1206.4	1207.1	1207.8	1208.4	1209.1	1208.4	1207.8	1207.1	1206.4	1206.1
127.5°	1287.3	1287.0	1286.3	1285.6	1285.0	1284.3	1285.0	1285.6	1286.3	1287.0	1287.3
130°	1359.5	1359.2	1358.5	1357.8	1357.2	1356.5	1357.2	1357.8	1358.5	1359.2	1359.5
132.5°	1427.2	1426.7	1425.7	1424.7	1423.7	1422.7	1423.7	1424.7	1425.7	1426.7	1427.2
135°	1494.8	1494.3	1493.3	1492.3	1491.3	1490.3	1491.3	1492.3	1493.3	1494.3	1494.8
137.5°	1558.0	1557.7	1557.0	1556.3	1555.7	1555.0	1555.7	1556.3	1557.0	1557.7	1558.0
140°	1615.2	1614.9	1614.2	1613.5	1612.8	1612.1	1612.8	1613.5	1614.2	1614.9	1615.2
142.5°	1669.3	1668.8	1667.8	1666.8	1665.8	1664.8	1665.8	1666.8	1667.8	1668.8	1669.3
145°	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9
147.5°	1765.5	1764.7	1763.0	1761.3	1759.7	1758.0	1759.7	1761.3	1763.0	1764.7	1765.5
150°	1807.6	1807.1	1806.1	1805.1	1804.1	1803.1	1804.1	1805.1	1806.1	1807.1	1807.6
152.5°	1846.7	1845.9	1844.2	1842.5	1840.9	1839.2	1840.9	1842.5	1844.2	1845.9	1846.7
155°	1881.3	1880.3	1878.3	1876.3	1874.3	1872.3	1874.3	1876.3	1878.3	1880.3	1881.3
157.5°	1912.9	1911.6	1908.9	1906.2	1903.6	1900.9	1903.6	1906.2	1908.9	1911.6	1912.9
160°	1938.5	1937.3	1935.0	1932.7	1930.3	1928.0	1930.3	1932.7	1935.0	1937.3	1938.5
162.5°	1962.5	1961.5	1959.5	1957.5	1955.5	1953.5	1955.5	1957.5	1959.5	1961.5	1962.5
165°	1983.6	1982.4	1980.1	1977.8	1975.4	1973.1	1975.4	1977.8	1980.1	1982.4	1983.6
167.5°	2000.1	1998.8	1996.1	1993.4	1990.8	1988.1	1990.8	1993.4	1996.1	1998.8	2000.1
170°	2013.7	2012.4	2009.7	2007.0	2004.3	2001.6	2004.3	2007.0	2009.7	2012.4	2013.7
172.5°	2022.7	2021.2	2018.2	2015.2	2012.2	2009.2	2012.2	2015.2	2018.2	2021.2	2022.7
175°	2028.7	2027.4	2024.7	2022.0	2019.4	2016.7	2019.4	2022.0	2024.7	2027.4	2028.7
177.5°	2033.2	2031.5	2028.2	2024.9	2021.5	2018.2	2021.5	2024.9	2028.2	2031.5	2033.2
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6
2.5°	1482.1	1487.5	1482.1	1471.4	1482.1	1488.8	1495.5	1506.3	1511.6	1511.6	1519.7
5°	1397.6	1408.4	1404.3	1401.7	1412.4	1419.1	1429.8	1443.2	1458.0	1467.4	1478.1
7.5°	1322.5	1329.2	1335.9	1335.9	1346.7	1361.4	1377.5	1393.6	1412.4	1425.8	1433.8
10°	1256.8	1262.2	1266.2	1271.5	1287.6	1303.7	1325.2	1345.3	1361.4	1376.2	1389.6
12.5°	1193.8	1201.8	1211.2	1215.2	1227.3	1247.4	1267.5	1291.7	1317.2	1331.9	1345.3
15°	1133.4	1137.4	1148.1	1160.2	1171.0	1192.4	1217.9	1243.4	1264.8	1287.6	1299.7
17.5°	1071.7	1073.0	1101.2	1094.5	1129.4	1149.5	1162.9	1187.0	1221.9	1240.7	1259.5
20°	1011.3	1024.7	1036.8	1043.5	1062.3	1085.1	1124.0	1142.8	1171.0	1188.4	1204.5
22.5°	964.4	984.5	984.5	1000.6	1010.0	1031.5	1059.6	1095.8	1126.7	1138.8	1161.6
25°	922.8	932.2	948.3	953.7	971.1	989.9	1008.7	1047.6	1081.1	1097.2	1113.3
27.5°	869.2	881.2	902.7	902.7	925.5	945.6	968.4	993.9	1027.4	1050.2	1067.7
30°	827.6	839.7	849.0	863.8	873.2	892.0	932.2	951.0	980.5	1000.6	1022.1
32.5°	788.7	798.1	806.1	822.2	832.9	854.4	875.9	909.4	934.9	953.7	976.5
35°	745.8	755.1	765.9	778.0	794.0	814.2	834.3	862.5	887.9	905.4	924.2
37.5°	705.5	712.2	728.3	736.4	749.8	768.6	794.0	823.6	846.4	859.8	878.5
40°	666.6	672.0	684.1	698.8	708.2	723.0	749.8	775.3	803.4	819.5	834.3
42.5°	625.0	631.7	642.5	657.2	672.0	688.1	702.8	732.3	757.8	771.2	787.3
45°	588.8	592.9	600.9	615.7	630.4	642.5	665.3	692.1	716.3	727.0	744.4
47.5°	545.9	549.9	562.0	568.7	584.8	600.9	623.7	650.5	672.0	682.7	698.8
50°	501.6	505.7	513.7	528.5	539.2	556.6	576.8	599.6	626.4	641.1	650.5
52.5°	458.7	466.8	473.5	485.5	499.0	516.4	535.2	556.6	579.4	594.2	604.9
55°	415.8	422.5	430.6	437.3	453.4	469.5	490.9	511.0	531.2	544.6	556.6
57.5°	367.5	376.9	385.0	398.4	410.4	423.8	448.0	464.1	488.2	497.6	508.4
60°	325.9	335.3	342.0	352.8	363.5	380.9	397.0	417.1	437.3	449.3	462.7
62.5°	291.1	295.1	299.1	309.8	320.6	336.7	352.8	372.9	394.3	401.0	411.8
65°	256.2	260.2	266.9	276.3	284.4	293.7	311.2	327.3	347.4	358.1	362.1
67.5°	226.7	230.7	232.0	238.8	245.5	256.2	265.6	281.7	300.4	307.2	315.2
70°	193.1	199.9	201.2	206.6	209.2	215.9	226.7	238.8	253.5	265.6	272.3
72.5°	154.2	163.6	166.3	174.4	178.4	185.1	193.1	202.5	211.9	217.3	222.7
75°	126.1	128.8	130.1	136.8	143.5	152.9	156.9	162.3	170.3	177.1	182.4
77.5°	104.6	106.0	107.3	107.3	108.6	114.0	122.1	128.8	134.1	136.8	140.8
80°	84.5	83.2	83.2	84.5	84.5	84.5	87.2	96.6	99.3	106.0	104.6
82.5°	65.7	63.0	64.4	63.0	63.0	63.0	63.0	64.4	64.4	68.4	71.1
85°	42.9	44.3	42.9	42.9	41.6	42.9	41.6	41.6	40.2	40.2	38.9
87.5°	22.8	24.1	22.8	22.8	21.5	22.8	21.5	21.5	20.1	20.1	17.4
90°	41.4	40.1	38.8	37.4	36.1	31.7	27.4	23.0	18.7	16.5	14.8
92.5°	48.4	46.1	43.8	41.4	39.1	36.1	33.1	30.1	27.1	25.6	26.6
95°	55.9	53.6	51.3	48.9	46.6	42.9	39.3	35.6	31.9	30.1	36.9
97.5°	58.9	56.2	53.5	50.8	48.1	65.1	82.2	99.2	116.3	124.8	129.5
100°	60.4	57.7	55.0	52.3	49.6	101.7	153.9	206.0	258.1	284.2	280.9
102.5°	67.2	78.2	89.3	100.3	111.3	169.5	227.6	285.8	343.9	373.0	370.8
105°	92.8	151.9	211.0	270.2	329.3	359.4	389.5	419.6	449.7	464.7	462.9
107.5°	379.1	430.6	482.1	533.5	585.0	580.0	575.0	569.9	564.9	562.4	560.9
110°	634.1	645.1	656.2	667.2	678.2	674.5	670.9	667.2	663.5	661.7	660.4



TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	785.0	782.0	779.0	776.0	773.0	769.3	765.6	761.9	758.2	756.4	755.2
115°	876.6	873.3	869.9	866.6	863.2	860.2	857.2	854.2	851.2	849.7	848.7
117.5°	962.7	960.0	957.3	954.6	951.9	950.2	948.6	946.9	945.2	944.4	943.2
120°	1048.4	1045.7	1043.0	1040.4	1037.7	1036.7	1035.7	1034.7	1033.7	1033.2	1031.7
122.5°	1130.1	1128.4	1126.7	1125.1	1123.4	1122.1	1120.7	1119.4	1118.1	1117.4	1116.2
125°	1205.8	1205.1	1204.4	1203.8	1203.1	1201.8	1200.4	1199.1	1197.8	1197.1	1195.8
127.5°	1286.8	1285.8	1284.8	1283.8	1282.8	1281.1	1279.5	1277.8	1276.1	1275.3	1274.0
130°	1358.8	1357.5	1356.2	1354.8	1353.5	1352.2	1350.8	1349.5	1348.2	1347.5	1346.2
132.5°	1426.5	1425.2	1423.9	1422.5	1421.2	1420.2	1419.2	1418.1	1417.1	1416.6	1415.3
135°	1494.3	1493.3	1492.3	1491.3	1490.3	1489.0	1487.6	1486.3	1485.0	1484.3	1483.3
137.5°	1557.2	1555.5	1553.8	1552.2	1550.5	1549.8	1549.2	1548.5	1547.8	1547.5	1546.2
140°	1614.5	1613.2	1611.8	1610.5	1609.1	1608.1	1607.1	1606.1	1605.1	1604.6	1603.6
142.5°	1668.8	1667.8	1666.8	1665.8	1664.8	1663.8	1662.8	1661.8	1660.8	1660.3	1659.3
145°	1718.6	1717.9	1717.2	1716.6	1715.9	1715.2	1714.6	1713.9	1713.2	1712.9	1711.7
147.5°	1765.2	1764.5	1763.8	1763.2	1762.5	1761.8	1761.2	1760.5	1759.8	1759.5	1758.7
150°	1807.3	1806.6	1805.9	1805.3	1804.6	1803.9	1803.3	1802.6	1801.9	1801.6	1801.1
152.5°	1846.0	1844.7	1843.4	1842.0	1840.7	1840.4	1840.0	1839.7	1839.4	1839.2	1839.0
155°	1880.5	1878.8	1877.1	1875.5	1873.8	1873.5	1873.1	1872.8	1872.5	1872.3	1872.6
157.5°	1911.9	1909.9	1907.9	1905.9	1903.9	1904.2	1904.6	1904.9	1905.2	1905.4	1905.4
160°	1937.5	1935.5	1933.5	1931.5	1929.5	1929.8	1930.2	1930.5	1930.8	1931.0	1931.2
162.5°	1961.3	1959.0	1956.7	1954.3	1952.0	1952.3	1952.7	1953.0	1953.3	1953.5	1954.0
165°	1982.3	1979.6	1976.9	1974.3	1971.6	1971.9	1972.3	1972.6	1972.9	1973.1	1973.6
167.5°	1998.8	1996.1	1993.4	1990.8	1988.1	1988.1	1988.1	1988.1	1988.1	1988.1	1988.8
170°	2012.4	2009.7	2007.0	2004.3	2001.6	2001.6	2001.6	2001.6	2001.6	2001.6	2002.3
172.5°	2021.4	2018.7	2016.0	2013.4	2010.7	2010.4	2010.0	2009.7	2009.4	2009.2	2010.0
175°	2027.5	2025.2	2022.9	2020.5	2018.2	2017.9	2017.5	2017.2	2016.9	2016.7	2017.5
177.5°	2031.9	2029.2	2026.5	2023.9	2021.2	2020.9	2020.5	2020.2	2019.9	2019.7	2020.5
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1566.6	1566.6	1566.6	1566.6
2.5°	1526.4	1535.8	1554.6	1570.7
5°	1494.2	1509.0	1537.1	1565.3
7.5°	1455.3	1478.1	1514.3	1553.2
10°	1417.7	1447.3	1491.5	1537.1
12.5°	1380.2	1411.0	1458.0	1517.0
15°	1335.9	1368.1	1424.5	1495.5
17.5°	1297.0	1340.0	1390.9	1462.0
20°	1255.5	1287.6	1353.4	1428.5
22.5°	1203.1	1256.8	1318.5	1397.6
25°	1161.6	1208.5	1270.2	1360.1
27.5°	1110.6	1165.6	1240.7	1319.8
30°	1069.0	1114.6	1184.4	1279.6
32.5°	1020.7	1074.4	1146.8	1240.7
35°	977.8	1023.4	1091.8	1187.0
37.5°	926.8	976.5	1052.9	1137.4
40°	882.6	930.9	1003.3	1082.4
42.5°	828.9	879.9	952.3	1019.4
45°	786.0	832.9	890.6	952.3
47.5°	733.7	783.3	839.7	882.6
50°	686.7	732.3	776.6	812.8
52.5°	635.8	677.4	717.6	744.4
55°	588.8	621.0	653.2	672.0
57.5°	533.8	564.7	591.5	602.2
60°	485.5	511.0	528.5	540.5
62.5°	434.6	453.4	466.8	473.5
65°	385.0	398.4	405.1	411.8
67.5°	334.0	346.1	350.1	358.1
70°	280.3	293.7	296.4	300.4
72.5°	240.1	240.1	245.5	250.8
75°	191.8	194.5	197.2	197.2
77.5°	150.2	150.2	152.9	154.2
80°	110.0	111.3	111.3	110.0
82.5°	75.1	77.8	75.1	73.8
85°	41.6	46.9	44.3	44.3
87.5°	17.4	17.4	20.1	17.4
90°	11.5	8.2	4.8	1.5
92.5°	28.6	30.6	32.6	34.6
95°	50.6	64.3	78.0	91.7
97.5°	138.8	148.2	157.5	166.9
100°	274.2	267.5	260.9	254.2
102.5°	366.5	362.1	357.8	353.4
105°	459.2	455.5	451.9	448.2
107.5°	557.9	554.9	551.9	548.9
110°	657.7	655.0	652.4	649.7



TEST NUMBER: P1031035

CATALOG NUMBER: S123RDIW-B1000D1535UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	752.9	750.6	748.2	745.9
115°	846.7	844.7	842.7	840.7
117.5°	940.9	938.6	936.2	933.9
120°	1028.7	1025.6	1022.6	1019.6
122.5°	1113.9	1111.5	1109.2	1106.8
125°	1193.1	1190.4	1187.7	1185.0
127.5°	1271.3	1268.6	1265.9	1263.2
130°	1343.5	1340.8	1338.1	1335.4
132.5°	1412.6	1409.9	1407.3	1404.6
135°	1481.3	1479.3	1477.3	1475.3
137.5°	1543.5	1540.8	1538.1	1535.4
140°	1601.6	1599.6	1597.6	1595.6
142.5°	1657.3	1655.2	1653.2	1651.2
145°	1709.4	1707.1	1704.7	1702.4
147.5°	1757.0	1755.3	1753.7	1752.0
150°	1800.1	1799.1	1798.1	1797.1
152.5°	1838.7	1838.4	1838.0	1837.7
155°	1873.3	1874.0	1874.6	1875.3
157.5°	1905.4	1905.4	1905.4	1905.4
160°	1931.5	1931.8	1932.2	1932.5
162.5°	1955.0	1956.0	1957.0	1958.0
165°	1974.6	1975.6	1976.6	1977.6
167.5°	1990.1	1991.4	1992.8	1994.1
170°	2003.6	2005.0	2006.3	2007.7
172.5°	2011.7	2013.4	2015.0	2016.7
175°	2019.2	2020.9	2022.5	2024.2
177.5°	2022.2	2023.9	2025.5	2027.2
180°	2024.2	2024.2	2024.2	2024.2

(END OF REPORT)