

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: P1011009

Luminaire Tested: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011009
REPORT IS A COMBINATION OF REPORTS P993685 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K
Description: Define 3 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

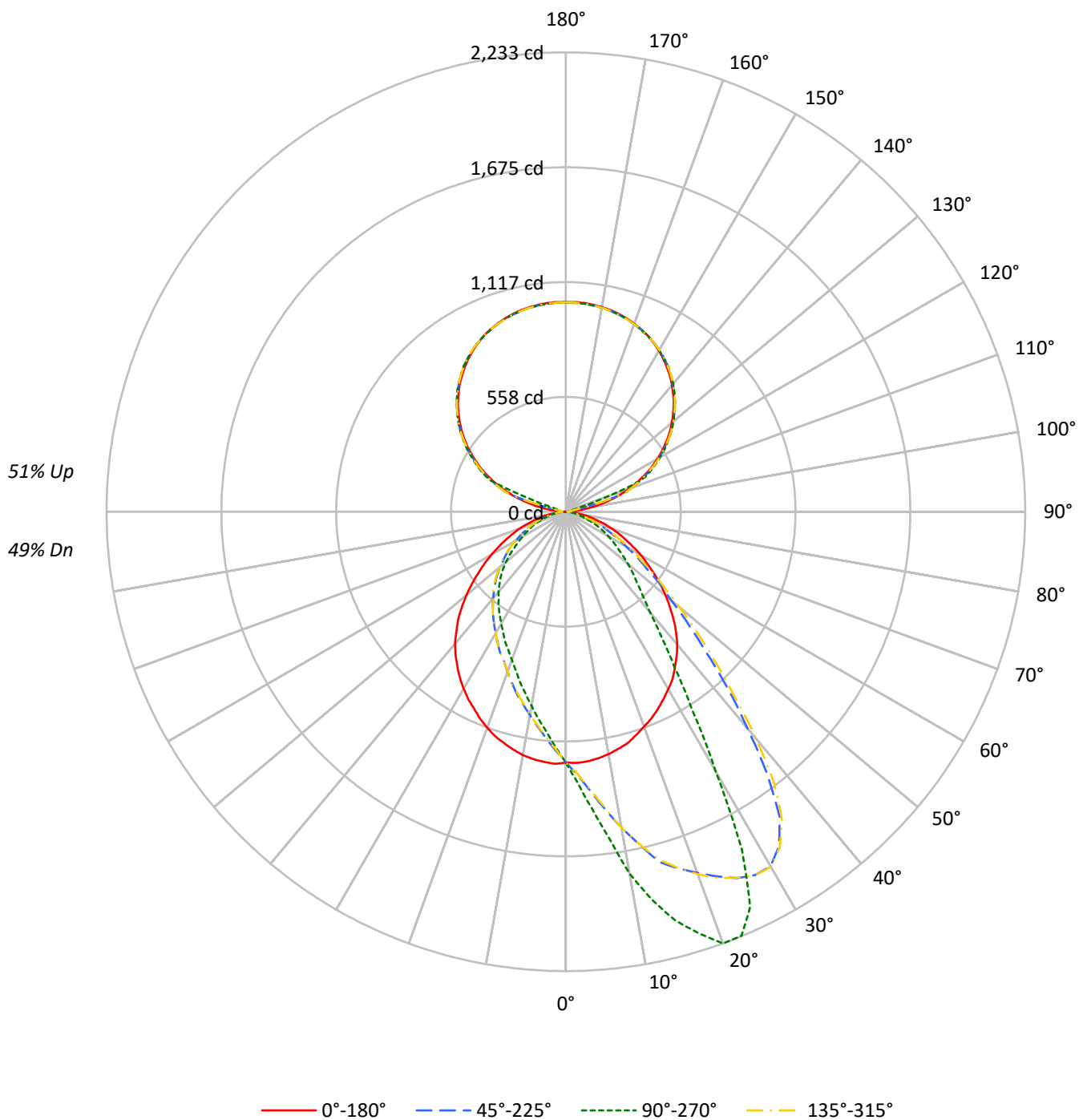
Lumens per Lamp: N/A
Luminaire Lumens: 6143.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	41
3	82	73	66	61	76	68	62	57	58	53	50	49	45	43	40	38	36
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	36	34	31
5	70	58	51	45	64	54	47	42	47	41	37	40	36	32	33	30	28
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25
7	60	48	40	34	55	44	38	33	38	33	29	33	29	26	28	24	22
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	25	22	20
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	20	18
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13119	13119	13119	13119
5°	13130	15110	13163	11210
10°	13014	18240	13070	9791
15°	12879	20701	12879	8634
20°	12616	22330	12686	7659
25°	12422	21214	12398	6988
30°	12197	14699	12171	6333
35°	11926	9438	11873	5838
40°	11589	6664	11533	5346
45°	11003	5333	10988	4868
50°	10284	4461	10249	4307
55°	9473	3676	9397	3652
60°	8677	3039	8592	3106
65°	7745	2432	7796	2632
70°	6885	1690	7068	2128
75°	5835	1253	6075	1637
80°	4647	831	5044	1227
85°	3304	392	3612	762

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17515 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	1.9
10°-20°	374.7	6.1
20°-30°	590.1	9.6
30°-40°	613.6	10.0
40°-50°	525.0	8.5
50°-60°	400.3	6.5
60°-70°	256.4	4.2
70°-80°	122.9	2.0
80°-90°	34.3	0.6
90°-100°	35.9	0.6
100°-110°	173.7	2.8
110°-120°	425.7	6.9
120°-130°	540.4	8.8
130°-140°	577.3	9.4
140°-150°	539.8	8.8
150°-160°	435.4	7.1
160°-170°	281.0	4.6
170°-180°	96.8	1.6
0°-30°	1084.5	17.7
0°-40°	1698.2	27.6
0°-60°	2623.4	42.7
0°-90°	3037.0	49.4
90°-120°	635.3	10.3
90°-150°	2292.7	37.3
90°-180°	3106.0	50.6
0°-180°	6143.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1219	1219	1219	1219	1219	
5°	1218	1447	1221	1074	1218	116
15°	1164	2057	1164	858	1164	327
25°	1058	2119	1056	698	1058	487
35°	924	919	919	569	924	578
45°	741	490	740	448	741	570
55°	523	308	519	306	523	468
65°	320	177	322	192	320	320
75°	153	75	160	98	153	166
85°	34	18	38	34	34	38
90°	1	23	1	23	1	4
95°	46	29	46	29	46	55
105°	226	33	226	33	226	239
115°	423	445	423	445	423	418
125°	596	609	596	609	596	533
135°	742	750	742	750	742	572
145°	857	865	857	865	857	536
155°	944	942	944	942	944	435
165°	995	993	995	993	995	281
175°	1019	1015	1019	1015	1019	97
180°	1019	1019	1019	1019	1019	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1222.0	1230.3	1236.6	1240.8	1251.2	1257.5	1262.7	1272.1	1272.1	1274.2	1278.3
5°	1217.8	1235.5	1248.1	1264.8	1286.7	1297.1	1311.7	1324.2	1342.0	1351.4	1360.8
7.5°	1208.4	1233.5	1259.5	1284.6	1316.9	1337.8	1352.4	1384.8	1407.7	1435.9	1457.8
10°	1195.9	1230.3	1263.7	1302.3	1346.2	1377.5	1399.4	1442.2	1486.0	1525.6	1559.0
12.5°	1180.2	1222.0	1270.0	1316.9	1378.5	1409.8	1445.3	1498.5	1561.1	1611.2	1656.1
15°	1163.5	1211.5	1265.8	1323.2	1400.4	1444.3	1495.4	1560.1	1630.0	1702.0	1763.6
17.5°	1137.5	1198.0	1258.5	1342.0	1432.8	1458.9	1502.7	1591.4	1678.0	1742.7	1817.8
20°	1111.4	1179.2	1255.4	1330.5	1428.6	1489.1	1529.8	1623.7	1716.6	1794.9	1866.9
22.5°	1087.4	1158.3	1237.6	1332.6	1424.4	1484.9	1536.1	1634.2	1741.7	1829.3	1918.0
25°	1058.1	1135.4	1223.0	1312.8	1424.4	1470.3	1526.7	1640.4	1754.2	1855.4	1965.0
27.5°	1026.8	1105.1	1191.7	1283.5	1385.8	1453.6	1509.0	1631.0	1769.8	1878.4	1991.1
30°	995.5	1075.9	1159.4	1241.8	1356.6	1421.3	1484.9	1619.6	1778.2	1902.4	1989.0
32.5°	965.3	1033.1	1115.5	1195.9	1309.6	1380.6	1452.6	1608.1	1781.3	1885.7	1927.4
35°	923.5	994.5	1061.3	1146.8	1261.6	1331.6	1416.1	1607.0	1767.7	1832.4	1811.6
37.5°	884.9	944.4	1008.1	1084.2	1202.2	1292.9	1380.6	1579.9	1722.9	1727.0	1609.1
40°	842.1	891.2	944.4	1024.8	1152.1	1241.8	1336.8	1538.2	1641.5	1579.9	1372.2
42.5°	793.1	836.9	878.7	956.9	1095.7	1195.9	1298.2	1486.0	1523.6	1381.6	1165.6
45°	740.9	776.4	815.0	897.4	1036.2	1135.4	1237.6	1405.6	1367.0	1166.7	961.1
47.5°	686.6	716.9	754.5	829.6	972.6	1073.8	1170.8	1290.9	1192.8	977.8	805.6
50°	632.4	656.4	692.9	770.1	907.9	999.7	1089.5	1167.7	1030.0	839.0	665.8
52.5°	579.2	597.9	635.5	701.3	834.8	922.5	987.2	1017.4	877.6	692.9	578.1
55°	522.8	543.7	568.7	635.5	768.0	832.7	875.5	874.5	730.5	587.5	477.9
57.5°	468.5	487.3	509.2	576.0	683.5	727.3	763.9	746.1	609.4	481.1	410.1
60°	420.5	431.0	455.0	511.3	592.7	630.3	651.2	620.9	497.8	405.9	339.1
62.5°	368.4	378.8	398.6	451.9	501.9	521.8	539.5	500.9	411.2	330.8	290.1
65°	320.4	333.9	346.5	389.2	416.4	440.4	438.3	405.9	321.4	269.2	235.8
67.5°	278.6	283.8	294.3	320.4	332.9	350.6	351.7	315.1	258.8	219.1	199.3
70°	233.8	239.0	246.3	258.8	267.1	271.3	269.2	236.9	195.1	171.1	153.4
72.5°	195.1	194.1	199.3	199.3	207.7	206.6	200.4	175.3	148.2	128.4	117.9
75°	153.4	154.4	155.5	153.4	150.3	146.1	140.9	122.1	104.4	95.0	85.6
77.5°	120.0	117.9	119.0	111.7	107.5	103.3	96.0	86.6	72.0	69.9	65.7
80°	85.6	84.5	83.5	80.4	71.0	66.8	61.6	56.4	53.2	51.1	50.1
82.5°	57.4	57.4	55.3	49.0	43.8	40.7	39.7	37.6	34.4	34.4	33.4
85°	34.4	33.4	31.3	25.0	21.9	21.9	21.9	21.9	19.8	19.8	18.8
87.5°	13.6	12.5	9.4	9.4	8.3	8.3	8.3	7.3	7.3	6.3	6.3
90°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.6	13.8	16.0	18.2
92.5°	17.4	16.4	15.4	14.4	13.4	12.9	13.7	15.2	16.7	18.2	19.7
95°	46.2	39.3	32.4	25.5	18.6	15.1	16.0	17.9	19.8	21.6	23.5
97.5°	84.0	79.3	74.6	69.9	65.2	62.8	58.5	49.9	41.4	32.8	24.2
100°	127.9	131.3	134.7	138.0	141.4	143.1	130.0	103.7	77.5	51.2	25.0
102.5°	177.9	180.1	182.3	184.4	186.6	187.7	173.1	143.8	114.5	85.3	56.0
105°	225.6	227.4	229.3	231.1	233.0	233.9	226.3	211.2	196.1	180.9	165.8
107.5°	276.3	277.8	279.3	280.8	282.3	283.1	284.4	286.9	289.4	291.9	294.4
110°	327.0	328.3	329.7	331.0	332.3	333.0	333.9	335.8	337.7	339.5	341.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	375.4	376.6	377.8	378.9	380.1	380.7	381.6	383.5	385.4	387.2	389.1
115°	423.1	424.1	425.1	426.2	427.2	427.7	428.5	430.0	431.5	433.0	434.5
117.5°	470.1	471.3	472.4	473.6	474.7	475.3	475.7	476.6	477.4	478.3	479.1
120°	513.2	514.7	516.2	517.7	519.2	520.0	520.3	520.8	521.3	521.8	522.3
122.5°	557.1	558.3	559.5	560.6	561.8	562.4	562.7	563.4	564.1	564.7	565.4
125°	596.5	597.8	599.2	600.5	601.8	602.5	602.8	603.5	604.2	604.8	605.5
127.5°	635.8	637.2	638.5	639.9	641.2	641.9	642.3	643.2	644.0	644.9	645.7
130°	672.2	673.5	674.9	676.2	677.5	678.2	678.5	679.2	679.9	680.5	681.2
132.5°	707.0	708.3	709.7	711.0	712.3	713.0	713.3	713.8	714.3	714.8	715.3
135°	742.5	743.5	744.5	745.6	746.6	747.1	747.4	748.1	748.8	749.4	750.1
137.5°	772.8	774.2	775.5	776.9	778.2	778.9	779.1	779.4	779.7	780.1	780.4
140°	803.1	804.1	805.1	806.1	807.1	807.6	807.9	808.4	808.9	809.4	809.9
142.5°	831.1	832.1	833.1	834.1	835.1	835.6	835.9	836.4	836.9	837.4	837.9
145°	856.8	858.0	859.2	860.3	861.5	862.1	862.3	862.6	863.0	863.3	863.7
147.5°	881.8	882.6	883.5	884.3	885.2	885.6	885.8	886.1	886.4	886.8	887.1
150°	904.5	905.0	905.5	906.0	906.5	906.8	907.0	907.3	907.6	908.0	908.3
152.5°	925.0	925.2	925.3	925.5	925.6	925.7	925.8	926.0	926.1	926.3	926.5
155°	943.9	943.6	943.2	942.9	942.6	942.4	942.5	942.6	942.8	942.9	943.1
157.5°	959.0	959.0	959.0	959.0	959.0	959.0	958.9	958.8	958.6	958.5	958.3
160°	972.6	972.4	972.3	972.1	972.0	971.9	971.8	971.6	971.5	971.3	971.1
162.5°	985.5	985.0	984.5	984.0	983.5	983.2	983.1	983.0	982.8	982.7	982.5
165°	995.4	994.9	994.4	993.9	993.4	993.1	993.0	992.8	992.7	992.5	992.3
167.5°	1003.7	1003.0	1002.4	1001.7	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
170°	1010.5	1009.8	1009.2	1008.5	1007.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5
172.5°	1015.0	1014.2	1013.4	1012.5	1011.7	1011.3	1011.4	1011.5	1011.7	1011.8	1012.0
175°	1018.8	1018.0	1017.1	1016.3	1015.4	1015.0	1015.1	1015.3	1015.4	1015.6	1015.8
177.5°	1020.3	1019.5	1018.7	1017.8	1017.0	1016.6	1016.7	1016.8	1017.0	1017.1	1017.3
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1286.7	1286.7	1296.1	1305.5	1300.2	1303.4	1314.9	1310.7	1319.0	1318.0	1321.1
5°	1383.7	1395.2	1404.6	1424.4	1427.6	1424.4	1444.3	1449.5	1458.9	1447.4	1452.6
7.5°	1493.3	1517.3	1540.3	1569.5	1578.9	1581.0	1591.4	1606.0	1618.5	1595.6	1607.0
10°	1599.7	1636.3	1683.2	1709.3	1732.3	1740.6	1749.0	1758.4	1773.0	1786.5	1776.1
12.5°	1714.5	1767.7	1812.6	1859.6	1887.8	1884.6	1908.6	1914.9	1926.4	1929.5	1933.7
15°	1808.4	1883.6	1911.8	1981.7	1987.9	2008.8	2035.9	2059.9	2063.1	2056.8	2056.8
17.5°	1898.2	1962.9	2013.0	2069.3	2080.8	2098.5	2133.0	2144.5	2148.6	2147.6	2147.6
20°	1971.2	2014.0	2098.5	2145.5	2164.3	2187.2	2211.2	2225.9	2229.0	2233.2	2226.9
22.5°	2019.2	2083.9	2152.8	2191.4	2207.1	2215.4	2231.1	2235.3	2230.0	2231.1	2232.1
25°	2056.8	2120.5	2162.2	2172.6	2171.6	2161.2	2149.7	2129.9	2127.8	2119.4	2102.7
27.5°	2067.2	2091.2	2086.0	2043.2	2000.5	1996.3	1927.4	1889.8	1847.1	1853.3	1829.3
30°	2010.9	1979.6	1905.5	1797.0	1752.1	1679.0	1601.8	1521.5	1490.2	1455.7	1519.4
32.5°	1873.1	1761.5	1630.0	1489.1	1414.0	1349.3	1266.9	1208.4	1175.0	1146.8	1201.1
35°	1665.5	1491.2	1316.9	1183.4	1121.8	1063.4	986.1	956.9	915.2	919.4	924.6
37.5°	1398.3	1206.3	1074.8	943.4	902.7	878.7	822.3	777.4	762.8	758.6	758.6
40°	1147.9	990.3	873.4	770.1	738.8	719.0	674.1	653.3	637.6	633.4	638.6
42.5°	949.6	815.0	724.2	655.3	633.4	608.4	589.6	563.5	560.4	553.1	562.5
45°	797.3	680.4	612.6	562.5	543.7	534.3	513.4	497.8	491.5	490.5	497.8
47.5°	676.2	585.4	525.9	494.6	480.0	470.6	452.9	446.6	440.4	442.5	439.3
50°	567.7	499.9	461.2	433.1	423.7	414.3	402.8	396.5	393.4	393.4	392.4
52.5°	487.3	431.0	405.9	379.8	375.7	370.5	357.9	353.8	348.5	347.5	351.7
55°	417.4	378.8	353.8	338.1	333.9	323.5	318.3	313.1	309.9	307.8	308.9
57.5°	356.9	327.7	311.0	297.4	290.1	285.9	276.5	275.5	273.4	273.4	272.4
60°	306.8	285.9	266.1	257.8	252.5	247.3	246.3	240.0	236.9	239.0	237.9
62.5°	259.8	243.1	231.7	222.3	219.1	215.0	211.8	209.8	206.6	207.7	207.7
65°	217.1	203.5	195.1	186.8	185.7	181.6	180.5	178.4	178.4	177.4	179.5
67.5°	178.4	169.1	161.7	156.5	153.4	154.4	150.3	147.1	147.1	146.1	149.2
70°	141.9	136.7	129.4	123.1	119.0	119.0	113.7	112.7	112.7	112.7	111.7
72.5°	109.6	100.2	97.0	95.0	95.0	95.0	92.9	92.9	91.8	92.9	91.8
75°	81.4	80.4	78.3	77.2	77.2	76.2	75.1	75.1	75.1	75.1	75.1
77.5°	63.7	63.7	61.6	60.5	60.5	60.5	59.5	59.5	58.4	58.4	58.4
80°	47.0	47.0	44.9	44.9	44.9	43.8	43.8	43.8	44.9	43.8	43.8
82.5°	32.3	32.3	31.3	32.3	31.3	30.3	30.3	30.3	29.2	30.3	30.3
85°	18.8	18.8	17.7	16.7	17.7	17.7	16.7	17.7	16.7	17.7	16.7
87.5°	7.3	6.3	6.3	6.3	5.2	6.3	5.2	5.2	6.3	5.2	6.3
90°	18.9	19.5	20.2	20.9	21.2	21.4	21.7	22.0	22.4	22.7	22.4
92.5°	20.9	22.1	23.2	24.4	25.0	25.1	25.2	25.4	25.5	25.7	25.5
95°	24.7	25.9	27.0	28.2	28.8	28.8	28.8	28.8	28.8	28.8	28.8
97.5°	25.6	26.9	28.3	29.6	30.3	30.4	30.5	30.7	30.8	31.0	30.8
100°	26.3	27.7	29.0	30.3	31.0	31.1	31.3	31.4	31.6	31.8	31.6
102.5°	50.4	44.9	39.3	33.8	31.0	31.2	31.5	31.8	32.2	32.5	32.2
105°	136.0	106.2	76.5	46.7	31.8	32.0	32.3	32.6	33.0	33.3	33.0
107.5°	268.5	242.6	216.7	190.8	177.9	166.9	144.8	122.8	100.7	78.7	100.7
110°	335.8	330.3	324.7	319.2	316.4	304.4	280.3	256.3	232.2	208.2	232.2

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	390.6	392.1	393.6	395.1	395.9	395.7	395.4	395.1	394.7	394.4	394.7
115°	436.2	437.8	439.5	441.2	442.0	442.3	443.0	443.7	444.4	445.1	444.4
117.5°	480.5	481.8	483.2	484.5	485.2	485.3	485.4	485.6	485.7	485.9	485.7
120°	523.6	525.0	526.3	527.6	528.3	528.3	528.3	528.3	528.3	528.3	528.3
122.5°	566.2	567.1	567.9	568.8	569.2	569.3	569.5	569.6	569.8	570.0	569.8
125°	605.9	606.2	606.6	606.9	607.1	607.3	607.6	607.9	608.3	608.6	608.3
127.5°	646.2	646.7	647.2	647.7	647.9	647.7	647.4	647.1	646.7	646.4	646.7
130°	681.9	682.6	683.3	684.0	684.3	684.1	683.8	683.4	683.1	682.7	683.1
132.5°	716.0	716.6	717.3	718.0	718.3	718.1	717.6	717.1	716.6	716.1	716.6
135°	750.6	751.1	751.6	752.1	752.4	752.1	751.6	751.1	750.6	750.1	750.6
137.5°	781.2	782.1	782.9	783.8	784.2	784.0	783.7	783.4	783.0	782.7	783.0
140°	810.6	811.2	811.9	812.6	812.9	812.7	812.4	812.1	811.7	811.4	811.7
142.5°	838.4	838.9	839.4	839.9	840.2	839.9	839.4	838.9	838.4	837.9	838.4
145°	864.0	864.4	864.7	865.0	865.2	865.2	865.2	865.2	865.2	865.2	865.2
147.5°	887.4	887.8	888.1	888.4	888.6	888.2	887.3	886.5	885.6	884.8	885.6
150°	908.6	909.0	909.3	909.6	909.8	909.6	909.1	908.6	908.1	907.6	908.1
152.5°	927.2	927.8	928.5	929.2	929.5	929.1	928.2	927.4	926.5	925.7	926.5
155°	943.9	944.8	945.6	946.5	946.9	946.4	945.4	944.4	943.4	942.4	943.4
157.5°	959.3	960.3	961.3	962.3	962.8	962.1	960.8	959.5	958.1	956.8	958.1
160°	972.1	973.1	974.2	975.2	975.7	975.1	973.9	972.8	971.6	970.4	971.6
162.5°	983.7	984.9	986.0	987.2	987.8	987.3	986.3	985.2	984.2	983.2	984.2
165°	993.7	995.0	996.4	997.7	998.4	997.8	996.6	995.5	994.3	993.1	994.3
167.5°	1002.0	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0
170°	1008.8	1010.2	1011.5	1012.8	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1008.8
172.5°	1013.4	1014.7	1016.1	1017.4	1018.1	1017.3	1015.8	1014.3	1012.8	1011.3	1012.8
175°	1017.0	1018.2	1019.3	1020.5	1021.1	1020.4	1019.1	1017.7	1016.4	1015.0	1016.4
177.5°	1018.7	1020.0	1021.4	1022.7	1023.4	1022.6	1020.9	1019.2	1017.5	1015.8	1017.5
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

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CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1315.9	1309.6	1305.5	1302.3	1299.2	1308.6	1296.1	1282.5	1273.1	1266.9	1264.8
5°	1453.6	1440.1	1428.6	1419.2	1421.3	1421.3	1399.4	1375.4	1354.5	1343.0	1330.5
7.5°	1613.3	1598.7	1575.7	1570.5	1566.3	1540.3	1518.3	1474.5	1448.4	1422.3	1399.4
10°	1771.9	1753.1	1731.2	1723.9	1713.5	1681.1	1647.7	1591.4	1559.0	1511.0	1480.8
12.5°	1920.1	1897.1	1875.2	1870.0	1854.4	1826.2	1768.8	1710.4	1655.0	1603.9	1550.7
15°	2044.3	2038.0	2004.6	1983.8	1949.3	1910.7	1898.2	1818.9	1749.0	1695.7	1599.7
17.5°	2148.6	2119.4	2088.1	2074.5	2061.0	2016.1	1971.2	1889.8	1814.7	1736.4	1674.9
20°	2232.1	2199.8	2177.9	2158.0	2151.8	2100.6	2029.7	1957.7	1875.2	1787.6	1707.2
22.5°	2236.3	2232.1	2217.5	2206.0	2193.5	2160.1	2103.8	2014.0	1926.4	1830.4	1725.0
25°	2149.7	2143.4	2185.2	2174.7	2183.1	2170.6	2140.3	2065.2	1962.9	1850.2	1743.7
27.5°	1888.8	1952.5	2018.2	2041.2	2056.8	2101.7	2116.3	2074.5	1992.1	1872.1	1753.1
30°	1534.0	1618.5	1725.0	1782.4	1826.2	1909.7	2018.2	2031.8	1993.2	1897.1	1751.1
32.5°	1204.2	1281.5	1367.0	1434.9	1493.3	1664.4	1810.5	1915.9	1934.7	1884.6	1756.3
35°	970.5	1003.9	1085.3	1150.0	1229.3	1375.4	1547.6	1717.7	1832.4	1838.7	1740.6
37.5°	800.4	818.1	889.1	925.6	972.6	1100.9	1261.6	1483.9	1662.4	1746.9	1696.8
40°	662.6	703.3	744.0	764.9	798.3	887.0	1041.4	1215.7	1436.9	1593.5	1629.0
42.5°	575.0	592.7	618.8	648.0	668.9	746.1	849.4	1009.1	1208.4	1426.5	1524.6
45°	507.2	513.4	540.6	559.3	581.2	635.5	708.6	842.1	1017.4	1232.4	1399.4
47.5°	450.8	463.3	477.9	489.4	504.0	545.8	608.4	705.4	859.9	1051.9	1231.4
50°	400.7	408.0	426.8	432.0	442.5	471.7	519.7	593.8	721.1	874.5	1060.2
52.5°	353.8	367.3	374.6	381.9	391.3	415.3	446.6	507.2	603.2	747.2	904.7
55°	317.2	321.4	331.8	338.1	345.4	362.1	389.2	434.1	509.2	624.0	773.3
57.5°	281.8	281.8	292.2	297.4	304.7	317.2	341.2	375.7	429.9	515.5	652.2
60°	244.2	245.2	253.6	259.8	261.9	274.4	294.3	321.4	363.2	425.8	537.4
62.5°	210.8	216.0	220.2	222.3	229.6	236.9	253.6	272.4	301.6	356.9	436.2
65°	182.6	183.7	186.8	188.9	192.0	200.4	212.9	225.4	250.4	291.1	355.8
67.5°	150.3	154.4	158.6	158.6	161.7	165.9	178.4	188.9	207.7	231.7	275.5
70°	112.7	114.8	121.1	124.2	128.4	135.7	141.9	148.2	162.8	180.5	213.9
72.5°	93.9	93.9	96.0	97.0	97.0	102.3	111.7	117.9	125.2	137.7	160.7
75°	75.1	75.1	78.3	77.2	79.3	81.4	82.4	86.6	90.8	100.2	113.7
77.5°	59.5	60.5	60.5	61.6	61.6	62.6	63.7	65.7	67.8	73.0	79.3
80°	43.8	44.9	44.9	45.9	45.9	47.0	48.0	49.0	51.1	53.2	56.4
82.5°	30.3	31.3	31.3	32.3	31.3	32.3	33.4	33.4	34.4	36.5	37.6
85°	17.7	17.7	18.8	17.7	17.7	17.7	18.8	18.8	19.8	23.0	23.0
87.5°	5.2	6.3	5.2	6.3	6.3	6.3	6.3	7.3	7.3	8.3	9.4
90°	22.0	21.7	21.4	21.2	20.9	20.2	19.5	18.9	18.2	16.0	13.8
92.5°	25.4	25.2	25.1	25.0	24.4	23.2	22.1	20.9	19.7	18.2	16.7
95°	28.8	28.8	28.8	28.8	28.2	27.0	25.9	24.7	23.5	21.6	19.8
97.5°	30.7	30.5	30.4	30.3	29.6	28.3	26.9	25.6	24.2	32.8	41.4
100°	31.4	31.3	31.1	31.0	30.3	29.0	27.7	26.3	25.0	51.2	77.5
102.5°	31.8	31.5	31.2	31.0	33.8	39.3	44.9	50.4	56.0	85.3	114.5
105°	32.6	32.3	32.0	31.8	46.7	76.5	106.2	136.0	165.8	180.9	196.1
107.5°	122.8	144.8	166.9	177.9	190.8	216.7	242.6	268.5	294.4	291.9	289.4
110°	256.3	280.3	304.4	316.4	319.2	324.7	330.3	335.8	341.4	339.5	337.7

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	395.1	395.4	395.7	395.9	395.1	393.6	392.1	390.6	389.1	387.2	385.4
115°	443.7	443.0	442.3	442.0	441.2	439.5	437.8	436.2	434.5	433.0	431.5
117.5°	485.6	485.4	485.3	485.2	484.5	483.2	481.8	480.5	479.1	478.3	477.4
120°	528.3	528.3	528.3	528.3	527.6	526.3	525.0	523.6	522.3	521.8	521.3
122.5°	569.6	569.5	569.3	569.2	568.8	567.9	567.1	566.2	565.4	564.7	564.1
125°	607.9	607.6	607.3	607.1	606.9	606.6	606.2	605.9	605.5	604.8	604.2
127.5°	647.1	647.4	647.7	647.9	647.7	647.2	646.7	646.2	645.7	644.9	644.0
130°	683.4	683.8	684.1	684.3	684.0	683.3	682.6	681.9	681.2	680.5	679.9
132.5°	717.1	717.6	718.1	718.3	718.0	717.3	716.6	716.0	715.3	714.8	714.3
135°	751.1	751.6	752.1	752.4	752.1	751.6	751.1	750.6	750.1	749.4	748.8
137.5°	783.4	783.7	784.0	784.2	783.8	782.9	782.1	781.2	780.4	780.1	779.7
140°	812.1	812.4	812.7	812.9	812.6	811.9	811.2	810.6	809.9	809.4	808.9
142.5°	838.9	839.4	839.9	840.2	839.9	839.4	838.9	838.4	837.9	837.4	836.9
145°	865.2	865.2	865.2	865.2	865.0	864.7	864.4	864.0	863.7	863.3	863.0
147.5°	886.5	887.3	888.2	888.6	888.4	888.1	887.8	887.4	887.1	886.8	886.4
150°	908.6	909.1	909.6	909.8	909.6	909.3	909.0	908.6	908.3	908.0	907.6
152.5°	927.4	928.2	929.1	929.5	929.2	928.5	927.8	927.2	926.5	926.3	926.1
155°	944.4	945.4	946.4	946.9	946.5	945.6	944.8	943.9	943.1	942.9	942.8
157.5°	959.5	960.8	962.1	962.8	962.3	961.3	960.3	959.3	958.3	958.5	958.6
160°	972.8	973.9	975.1	975.7	975.2	974.2	973.1	972.1	971.1	971.3	971.5
162.5°	985.2	986.3	987.3	987.8	987.2	986.0	984.9	983.7	982.5	982.7	982.8
165°	995.5	996.6	997.8	998.4	997.7	996.4	995.0	993.7	992.3	992.5	992.7
167.5°	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7
170°	1010.2	1011.5	1012.8	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1007.5	1007.5
172.5°	1014.3	1015.8	1017.3	1018.1	1017.4	1016.1	1014.7	1013.4	1012.0	1011.8	1011.7
175°	1017.7	1019.1	1020.4	1021.1	1020.5	1019.3	1018.2	1017.0	1015.8	1015.6	1015.4
177.5°	1019.2	1020.9	1022.6	1023.4	1022.7	1021.4	1020.0	1018.7	1017.3	1017.1	1017.0
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1261.6	1256.4	1251.2	1251.2	1239.7	1229.3	1224.1	1226.2	1219.9	1211.5	1203.2
5°	1316.9	1296.1	1291.9	1280.4	1264.8	1242.8	1231.4	1220.9	1208.4	1191.7	1176.1
7.5°	1368.1	1340.9	1326.3	1314.9	1284.6	1254.3	1229.3	1212.6	1190.7	1165.6	1146.8
10°	1434.9	1384.8	1369.1	1343.0	1300.2	1257.5	1228.2	1201.1	1170.8	1141.6	1116.6
12.5°	1488.1	1430.7	1401.5	1375.4	1320.1	1265.8	1216.8	1183.4	1146.8	1114.5	1082.1
15°	1548.6	1483.9	1432.8	1401.5	1331.6	1265.8	1210.5	1163.5	1122.8	1083.2	1055.0
17.5°	1577.8	1496.4	1473.5	1428.6	1327.4	1261.6	1193.8	1143.7	1094.7	1048.8	1015.4
20°	1623.7	1528.8	1471.4	1441.1	1351.4	1254.3	1175.0	1117.6	1066.5	1017.4	982.0
22.5°	1626.9	1523.6	1486.0	1428.6	1318.0	1232.4	1158.3	1088.4	1028.9	983.0	946.5
25°	1619.6	1514.2	1462.0	1416.1	1324.2	1219.9	1124.9	1056.1	997.6	944.4	901.6
27.5°	1616.4	1487.0	1438.0	1392.1	1288.8	1183.4	1105.1	1026.8	960.1	913.1	869.3
30°	1612.3	1457.8	1398.3	1345.1	1250.2	1155.2	1061.3	993.4	929.8	870.3	826.5
32.5°	1585.1	1418.2	1357.6	1301.3	1199.0	1104.1	1030.0	958.0	889.1	833.8	794.1
35°	1576.8	1381.6	1302.3	1241.8	1141.6	1057.1	978.8	919.4	854.7	799.3	752.4
37.5°	1552.8	1344.1	1258.5	1181.3	1076.9	996.6	939.2	879.7	817.1	757.6	720.0
40°	1511.0	1300.2	1203.2	1123.9	1016.4	935.0	881.8	838.0	776.4	723.2	677.3
42.5°	1449.5	1255.4	1151.0	1067.5	948.6	872.4	828.6	786.8	734.6	679.3	641.8
45°	1378.5	1195.9	1098.8	1006.0	884.9	810.8	764.9	739.9	691.9	644.9	601.1
47.5°	1281.5	1134.3	1038.3	942.3	819.2	747.2	710.6	685.6	652.2	601.1	565.6
50°	1159.4	1055.0	964.2	878.7	754.5	685.6	649.1	630.3	602.1	565.6	531.2
52.5°	1023.7	963.2	888.0	808.7	688.7	624.0	590.6	576.0	555.2	520.7	491.5
55°	887.0	860.9	809.8	731.5	619.9	566.6	537.4	518.6	503.0	477.9	452.9
57.5°	764.9	752.4	716.9	656.4	562.5	507.2	482.1	469.6	457.1	438.3	413.2
60°	638.6	652.2	615.7	585.4	499.9	451.9	429.9	416.4	410.1	393.4	377.8
62.5°	529.1	541.6	520.7	497.8	437.2	394.5	380.9	368.4	364.2	349.6	333.9
65°	429.9	445.6	429.9	417.4	380.9	345.4	328.7	322.5	318.3	308.9	296.4
67.5°	342.3	357.9	350.6	335.0	323.5	294.3	284.9	278.6	276.5	269.2	258.8
70°	257.8	279.7	281.8	272.4	261.9	248.4	242.1	240.0	234.8	228.5	222.3
72.5°	185.7	210.8	211.8	211.8	205.6	205.6	199.3	196.2	196.2	189.9	182.6
75°	136.7	153.4	155.5	157.6	160.7	163.8	159.7	159.7	158.6	152.4	149.2
77.5°	90.8	105.4	110.6	117.9	122.1	122.1	124.2	126.3	124.2	121.1	119.0
80°	58.4	68.9	75.1	79.3	85.6	88.7	91.8	92.9	90.8	89.7	86.6
82.5°	38.6	41.7	44.9	50.1	57.4	62.6	62.6	61.6	63.7	62.6	61.6
85°	21.9	24.0	25.0	26.1	30.3	35.5	36.5	37.6	39.7	37.6	35.5
87.5°	8.3	9.4	9.4	9.4	11.5	12.5	15.7	19.8	18.8	16.7	16.7
90°	11.6	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	15.2	13.7	12.9	13.4	14.4	15.4	16.4	17.4	16.4	15.4	14.4
95°	17.9	16.0	15.1	18.6	25.5	32.4	39.3	46.2	39.3	32.4	25.5
97.5°	49.9	58.5	62.8	65.2	69.9	74.6	79.3	84.0	79.3	74.6	69.9
100°	103.7	130.0	143.1	141.4	138.0	134.7	131.3	127.9	131.3	134.7	138.0
102.5°	143.8	173.1	187.7	186.6	184.4	182.3	180.1	177.9	180.1	182.3	184.4
105°	211.2	226.3	233.9	233.0	231.1	229.3	227.4	225.6	227.4	229.3	231.1
107.5°	286.9	284.4	283.1	282.3	280.8	279.3	277.8	276.3	277.8	279.3	280.8
110°	335.8	333.9	333.0	332.3	331.0	329.7	328.3	327.0	328.3	329.7	331.0

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	383.5	381.6	380.7	380.1	378.9	377.8	376.6	375.4	376.6	377.8	378.9
115°	430.0	428.5	427.7	427.2	426.2	425.1	424.1	423.1	424.1	425.1	426.2
117.5°	476.6	475.7	475.3	474.7	473.6	472.4	471.3	470.1	471.3	472.4	473.6
120°	520.8	520.3	520.0	519.2	517.7	516.2	514.7	513.2	514.7	516.2	517.7
122.5°	563.4	562.7	562.4	561.8	560.6	559.5	558.3	557.1	558.3	559.5	560.6
125°	603.5	602.8	602.5	601.8	600.5	599.2	597.8	596.5	597.8	599.2	600.5
127.5°	643.2	642.3	641.9	641.2	639.9	638.5	637.2	635.8	637.2	638.5	639.9
130°	679.2	678.5	678.2	677.5	676.2	674.9	673.5	672.2	673.5	674.9	676.2
132.5°	713.8	713.3	713.0	712.3	711.0	709.7	708.3	707.0	708.3	709.7	711.0
135°	748.1	747.4	747.1	746.6	745.6	744.5	743.5	742.5	743.5	744.5	745.6
137.5°	779.4	779.1	778.9	778.2	776.9	775.5	774.2	772.8	774.2	775.5	776.9
140°	808.4	807.9	807.6	807.1	806.1	805.1	804.1	803.1	804.1	805.1	806.1
142.5°	836.4	835.9	835.6	835.1	834.1	833.1	832.1	831.1	832.1	833.1	834.1
145°	862.6	862.3	862.1	861.5	860.3	859.2	858.0	856.8	858.0	859.2	860.3
147.5°	886.1	885.8	885.6	885.2	884.3	883.5	882.6	881.8	882.6	883.5	884.3
150°	907.3	907.0	906.8	906.5	906.0	905.5	905.0	904.5	905.0	905.5	906.0
152.5°	926.0	925.8	925.7	925.6	925.5	925.3	925.2	925.0	925.2	925.3	925.5
155°	942.6	942.5	942.4	942.6	942.9	943.2	943.6	943.9	943.6	943.2	942.9
157.5°	958.8	958.9	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
160°	971.6	971.8	971.9	972.0	972.1	972.3	972.4	972.6	972.4	972.3	972.1
162.5°	983.0	983.1	983.2	983.5	984.0	984.5	985.0	985.5	985.0	984.5	984.0
165°	992.8	993.0	993.1	993.4	993.9	994.4	994.9	995.4	994.9	994.4	993.9
167.5°	1000.7	1000.7	1000.7	1001.0	1001.7	1002.4	1003.0	1003.7	1003.0	1002.4	1001.7
170°	1007.5	1007.5	1007.5	1007.8	1008.5	1009.2	1009.8	1010.5	1009.8	1009.2	1008.5
172.5°	1011.5	1011.4	1011.3	1011.7	1012.5	1013.4	1014.2	1015.0	1014.2	1013.4	1012.5
175°	1015.3	1015.1	1015.0	1015.4	1016.3	1017.1	1018.0	1018.8	1018.0	1017.1	1016.3
177.5°	1016.8	1016.7	1016.6	1017.0	1017.8	1018.7	1019.5	1020.3	1019.5	1018.7	1017.8
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1203.2	1198.0	1195.9	1190.7	1178.2	1169.8	1160.4	1154.1	1155.2	1150.0	1153.1
5°	1165.6	1164.6	1157.3	1146.8	1129.1	1119.7	1103.0	1094.7	1090.5	1091.5	1085.3
7.5°	1134.3	1124.9	1119.7	1103.0	1086.3	1066.5	1052.9	1045.6	1039.4	1033.1	1028.9
10°	1098.8	1090.5	1082.1	1064.4	1041.4	1022.7	1003.9	996.6	987.2	983.0	979.9
12.5°	1061.3	1056.1	1045.6	1024.8	998.7	980.9	959.0	954.8	942.3	934.0	931.9
15°	1026.8	1023.7	1004.9	980.9	954.8	937.1	918.3	905.8	884.9	889.1	881.8
17.5°	990.3	976.7	965.3	932.9	920.4	893.3	871.4	865.1	850.5	841.1	831.7
20°	949.6	941.3	926.7	905.8	875.5	844.2	827.5	817.1	808.7	794.1	790.0
22.5°	911.0	900.6	888.0	860.9	834.8	808.7	785.8	776.4	766.0	755.5	749.3
25°	880.7	865.1	851.5	818.1	792.0	770.1	755.5	739.9	725.3	719.0	716.9
27.5°	833.8	824.4	810.8	779.5	755.5	731.5	718.0	707.5	691.9	684.6	678.3
30°	803.5	784.7	769.1	744.0	720.0	694.0	681.4	668.9	659.5	650.1	642.8
32.5°	762.8	748.2	735.7	710.6	686.6	662.6	649.1	630.3	625.1	617.8	609.4
35°	723.2	713.8	700.2	673.1	647.0	630.3	615.7	597.9	591.7	586.5	579.2
37.5°	685.6	672.0	662.6	636.6	613.6	593.8	582.3	567.7	563.5	557.2	552.0
40°	653.3	639.7	630.3	604.2	580.2	559.3	552.0	537.4	531.2	523.9	520.7
42.5°	616.7	605.3	592.7	573.9	548.9	528.0	513.4	505.1	496.7	493.6	487.3
45°	578.1	567.7	558.3	537.4	511.3	496.7	484.2	472.7	466.5	461.2	457.1
47.5°	544.7	535.3	522.8	499.9	479.0	465.4	452.9	441.4	435.2	428.9	423.7
50°	506.1	500.9	487.3	465.4	445.6	429.9	418.5	408.0	403.8	396.5	388.2
52.5°	471.7	462.3	450.8	433.1	415.3	396.5	380.9	374.6	367.3	363.2	355.8
55°	431.0	424.7	412.2	396.5	377.8	362.1	350.6	342.3	332.9	328.7	319.3
57.5°	396.5	385.1	378.8	359.0	341.2	325.6	317.2	308.9	298.5	292.2	288.0
60°	359.0	348.5	339.1	322.5	309.9	293.2	280.7	273.4	266.1	257.8	253.6
62.5°	322.5	314.1	302.6	289.1	273.4	259.8	250.4	240.0	235.8	227.5	224.4
65°	282.8	276.5	267.1	251.5	239.0	227.5	218.1	209.8	205.6	202.4	200.4
67.5°	247.3	239.0	232.7	219.1	205.6	196.2	191.0	185.7	180.5	177.4	174.3
70°	210.8	204.5	198.3	185.7	176.4	168.0	163.8	159.7	156.5	153.4	150.3
72.5°	173.2	170.1	163.8	155.5	148.2	141.9	138.8	133.6	130.4	125.2	123.1
75°	143.0	137.7	134.6	127.3	121.1	115.8	111.7	105.4	101.2	99.1	98.1
77.5°	112.7	110.6	106.4	100.2	97.0	91.8	85.6	83.5	81.4	81.4	80.4
80°	84.5	81.4	78.3	73.0	69.9	65.7	65.7	65.7	64.7	65.7	64.7
82.5°	57.4	55.3	53.2	50.1	49.0	49.0	50.1	50.1	50.1	50.1	50.1
85°	33.4	33.4	33.4	34.4	33.4	33.4	34.4	35.5	34.4	34.4	33.4
87.5°	15.7	15.7	16.7	16.7	17.7	17.7	17.7	17.7	17.7	17.7	18.8
90°	7.5	8.3	9.4	11.6	13.8	16.0	18.2	18.9	19.5	20.2	20.9
92.5°	13.4	12.9	13.7	15.2	16.7	18.2	19.7	20.9	22.1	23.2	24.4
95°	18.6	15.1	16.0	17.9	19.8	21.6	23.5	24.7	25.9	27.0	28.2
97.5°	65.2	62.8	58.5	49.9	41.4	32.8	24.2	25.6	26.9	28.3	29.6
100°	141.4	143.1	130.0	103.7	77.5	51.2	25.0	26.3	27.7	29.0	30.3
102.5°	186.6	187.7	173.1	143.8	114.5	85.3	56.0	50.4	44.9	39.3	33.8
105°	233.0	233.9	226.3	211.2	196.1	180.9	165.8	136.0	106.2	76.5	46.7
107.5°	282.3	283.1	284.4	286.9	289.4	291.9	294.4	268.5	242.6	216.7	190.8
110°	332.3	333.0	333.9	335.8	337.7	339.5	341.4	335.8	330.3	324.7	319.2

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CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	380.1	380.7	381.6	383.5	385.4	387.2	389.1	390.6	392.1	393.6	395.1
115°	427.2	427.7	428.5	430.0	431.5	433.0	434.5	436.2	437.8	439.5	441.2
117.5°	474.7	475.3	475.7	476.6	477.4	478.3	479.1	480.5	481.8	483.2	484.5
120°	519.2	520.0	520.3	520.8	521.3	521.8	522.3	523.6	525.0	526.3	527.6
122.5°	561.8	562.4	562.7	563.4	564.1	564.7	565.4	566.2	567.1	567.9	568.8
125°	601.8	602.5	602.8	603.5	604.2	604.8	605.5	605.9	606.2	606.6	606.9
127.5°	641.2	641.9	642.3	643.2	644.0	644.9	645.7	646.2	646.7	647.2	647.7
130°	677.5	678.2	678.5	679.2	679.9	680.5	681.2	681.9	682.6	683.3	684.0
132.5°	712.3	713.0	713.3	713.8	714.3	714.8	715.3	716.0	716.6	717.3	718.0
135°	746.6	747.1	747.4	748.1	748.8	749.4	750.1	750.6	751.1	751.6	752.1
137.5°	778.2	778.9	779.1	779.4	779.7	780.1	780.4	781.2	782.1	782.9	783.8
140°	807.1	807.6	807.9	808.4	808.9	809.4	809.9	810.6	811.2	811.9	812.6
142.5°	835.1	835.6	835.9	836.4	836.9	837.4	837.9	838.4	838.9	839.4	839.9
145°	861.5	862.1	862.3	862.6	863.0	863.3	863.7	864.0	864.4	864.7	865.0
147.5°	885.2	885.6	885.8	886.1	886.4	886.8	887.1	887.4	887.8	888.1	888.4
150°	906.5	906.8	907.0	907.3	907.6	908.0	908.3	908.6	909.0	909.3	909.6
152.5°	925.6	925.7	925.8	926.0	926.1	926.3	926.5	927.2	927.8	928.5	929.2
155°	942.6	942.4	942.5	942.6	942.8	942.9	943.1	943.9	944.8	945.6	946.5
157.5°	959.0	959.0	958.9	958.8	958.6	958.5	958.3	959.3	960.3	961.3	962.3
160°	972.0	971.9	971.8	971.6	971.5	971.3	971.1	972.1	973.1	974.2	975.2
162.5°	983.5	983.2	983.1	983.0	982.8	982.7	982.5	983.7	984.9	986.0	987.2
165°	993.4	993.1	993.0	992.8	992.7	992.5	992.3	993.7	995.0	996.4	997.7
167.5°	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1002.0	1003.4	1004.7	1006.0
170°	1007.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1008.8	1010.2	1011.5	1012.8
172.5°	1011.7	1011.3	1011.4	1011.5	1011.7	1011.8	1012.0	1013.4	1014.7	1016.1	1017.4
175°	1015.4	1015.0	1015.1	1015.3	1015.4	1015.6	1015.8	1017.0	1018.2	1019.3	1020.5
177.5°	1017.0	1016.6	1016.7	1016.8	1017.0	1017.1	1017.3	1018.7	1020.0	1021.4	1022.7
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1152.1	1153.1	1150.0	1143.7	1142.7	1144.8	1151.0	1148.9	1143.7	1153.1	1144.8
5°	1088.4	1083.2	1081.1	1083.2	1076.9	1073.8	1080.1	1076.9	1080.1	1081.1	1084.2
7.5°	1026.8	1027.9	1021.6	1022.7	1014.3	1016.4	1016.4	1016.4	1019.5	1021.6	1025.8
10°	973.6	975.7	968.4	969.4	963.2	959.0	962.1	968.4	968.4	968.4	970.5
12.5°	930.8	921.4	916.2	915.2	907.9	905.8	912.0	914.1	919.4	919.4	922.5
15°	877.6	875.5	871.4	871.4	853.6	857.8	859.9	867.2	877.6	869.3	871.4
17.5°	829.6	824.4	819.2	817.1	815.0	808.7	817.1	816.0	822.3	823.3	826.5
20°	786.8	782.7	772.2	773.3	775.3	766.0	771.2	771.2	777.4	783.7	791.0
22.5°	745.1	740.9	735.7	737.8	731.5	729.4	729.4	734.6	742.0	747.2	746.1
25°	712.7	705.4	702.3	699.2	696.0	698.1	695.0	700.2	705.4	708.6	705.4
27.5°	676.2	673.1	666.8	663.7	658.5	660.6	662.6	666.8	669.9	669.9	673.1
30°	640.7	636.6	634.5	631.3	631.3	627.2	628.2	632.4	635.5	638.6	642.8
32.5°	606.3	603.2	600.0	600.0	597.9	596.9	595.9	602.1	602.1	608.4	608.4
35°	578.1	572.9	572.9	567.7	569.8	568.7	566.6	570.8	571.9	576.0	575.0
37.5°	546.8	546.8	544.7	539.5	535.3	536.4	541.6	541.6	544.7	543.7	546.8
40°	515.5	513.4	513.4	510.3	509.2	508.2	509.2	510.3	515.5	514.5	515.5
42.5°	484.2	485.2	480.0	480.0	480.0	476.9	477.9	479.0	481.1	483.2	486.3
45°	453.9	451.9	450.8	448.7	446.6	447.7	446.6	450.8	449.8	451.9	455.0
47.5°	421.6	418.5	417.4	413.2	413.2	415.3	414.3	417.4	418.5	421.6	419.5
50°	390.3	386.1	383.0	384.0	377.8	379.8	379.8	383.0	386.1	387.2	389.2
52.5°	353.8	352.7	351.7	346.5	345.4	344.4	345.4	346.5	350.6	353.8	354.8
55°	318.3	317.2	311.0	308.9	305.8	305.8	307.8	308.9	316.2	317.2	321.4
57.5°	285.9	282.8	275.5	274.4	274.4	274.4	271.3	275.5	277.6	282.8	282.8
60°	250.4	250.4	244.2	244.2	245.2	244.2	244.2	245.2	245.2	249.4	251.5
62.5°	222.3	221.2	221.2	219.1	218.1	219.1	218.1	218.1	219.1	222.3	225.4
65°	197.2	196.2	195.1	194.1	192.0	192.0	193.1	195.1	195.1	197.2	198.3
67.5°	173.2	173.2	171.1	171.1	170.1	169.1	170.1	169.1	173.2	173.2	174.3
70°	149.2	148.2	145.1	144.0	140.9	141.9	141.9	145.1	146.1	148.2	150.3
72.5°	120.0	120.0	117.9	115.8	116.9	114.8	114.8	115.8	115.8	119.0	120.0
75°	99.1	97.0	96.0	97.0	96.0	98.1	96.0	96.0	98.1	98.1	98.1
77.5°	81.4	81.4	80.4	80.4	81.4	80.4	81.4	81.4	81.4	80.4	81.4
80°	66.8	65.7	65.7	65.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
82.5°	50.1	50.1	49.0	50.1	50.1	49.0	50.1	49.0	49.0	50.1	50.1
85°	33.4	35.5	33.4	33.4	34.4	34.4	35.5	34.4	35.5	33.4	34.4
87.5°	17.7	18.8	18.8	17.7	17.7	18.8	18.8	18.8	19.8	17.7	18.8
90°	21.2	21.4	21.7	22.0	22.4	22.7	22.4	22.0	21.7	21.4	21.2
92.5°	25.0	25.1	25.2	25.4	25.5	25.7	25.5	25.4	25.2	25.1	25.0
95°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
97.5°	30.3	30.4	30.5	30.7	30.8	31.0	30.8	30.7	30.5	30.4	30.3
100°	31.0	31.1	31.3	31.4	31.6	31.8	31.6	31.4	31.3	31.1	31.0
102.5°	31.0	31.2	31.5	31.8	32.2	32.5	32.2	31.8	31.5	31.2	31.0
105°	31.8	32.0	32.3	32.6	33.0	33.3	33.0	32.6	32.3	32.0	31.8
107.5°	177.9	166.9	144.8	122.8	100.7	78.7	100.7	122.8	144.8	166.9	177.9
110°	316.4	304.4	280.3	256.3	232.2	208.2	232.2	256.3	280.3	304.4	316.4

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	395.9	395.7	395.4	395.1	394.7	394.4	394.7	395.1	395.4	395.7	395.9
115°	442.0	442.3	443.0	443.7	444.4	445.1	444.4	443.7	443.0	442.3	442.0
117.5°	485.2	485.3	485.4	485.6	485.7	485.9	485.7	485.6	485.4	485.3	485.2
120°	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3
122.5°	569.2	569.3	569.5	569.6	569.8	570.0	569.8	569.6	569.5	569.3	569.2
125°	607.1	607.3	607.6	607.9	608.3	608.6	608.3	607.9	607.6	607.3	607.1
127.5°	647.9	647.7	647.4	647.1	646.7	646.4	646.7	647.1	647.4	647.7	647.9
130°	684.3	684.1	683.8	683.4	683.1	682.7	683.1	683.4	683.8	684.1	684.3
132.5°	718.3	718.1	717.6	717.1	716.6	716.1	716.6	717.1	717.6	718.1	718.3
135°	752.4	752.1	751.6	751.1	750.6	750.1	750.6	751.1	751.6	752.1	752.4
137.5°	784.2	784.0	783.7	783.4	783.0	782.7	783.0	783.4	783.7	784.0	784.2
140°	812.9	812.7	812.4	812.1	811.7	811.4	811.7	812.1	812.4	812.7	812.9
142.5°	840.2	839.9	839.4	838.9	838.4	837.9	838.4	838.9	839.4	839.9	840.2
145°	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2
147.5°	888.6	888.2	887.3	886.5	885.6	884.8	885.6	886.5	887.3	888.2	888.6
150°	909.8	909.6	909.1	908.6	908.1	907.6	908.1	908.6	909.1	909.6	909.8
152.5°	929.5	929.1	928.2	927.4	926.5	925.7	926.5	927.4	928.2	929.1	929.5
155°	946.9	946.4	945.4	944.4	943.4	942.4	943.4	944.4	945.4	946.4	946.9
157.5°	962.8	962.1	960.8	959.5	958.1	956.8	958.1	959.5	960.8	962.1	962.8
160°	975.7	975.1	973.9	972.8	971.6	970.4	971.6	972.8	973.9	975.1	975.7
162.5°	987.8	987.3	986.3	985.2	984.2	983.2	984.2	985.2	986.3	987.3	987.8
165°	998.4	997.8	996.6	995.5	994.3	993.1	994.3	995.5	996.6	997.8	998.4
167.5°	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0	1003.4	1004.7	1006.0	1006.7
170°	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1008.8	1010.2	1011.5	1012.8	1013.5
172.5°	1018.1	1017.3	1015.8	1014.3	1012.8	1011.3	1012.8	1014.3	1015.8	1017.3	1018.1
175°	1021.1	1020.4	1019.1	1017.7	1016.4	1015.0	1016.4	1017.7	1019.1	1020.4	1021.1
177.5°	1023.4	1022.6	1020.9	1019.2	1017.5	1015.8	1017.5	1019.2	1020.9	1022.6	1023.4
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1153.1	1157.3	1153.1	1144.8	1153.1	1158.3	1163.5	1171.9	1176.1	1176.1	1182.3
5°	1087.4	1095.7	1092.6	1090.5	1098.8	1104.1	1112.4	1122.8	1134.3	1141.6	1150.0
7.5°	1028.9	1034.1	1039.4	1039.4	1047.7	1059.2	1071.7	1084.2	1098.8	1109.3	1115.5
10°	977.8	982.0	985.1	989.3	1001.8	1014.3	1031.0	1046.7	1059.2	1070.7	1081.1
12.5°	928.7	935.0	942.3	945.4	954.8	970.5	986.1	1004.9	1024.8	1036.2	1046.7
15°	881.8	884.9	893.3	902.7	911.0	927.7	947.5	967.4	984.1	1001.8	1011.2
17.5°	833.8	834.8	856.7	851.5	878.7	894.3	904.7	923.5	950.7	965.3	979.9
20°	786.8	797.3	806.7	811.9	826.5	844.2	874.5	889.1	911.0	924.6	937.1
22.5°	750.3	766.0	766.0	778.5	785.8	802.5	824.4	852.6	876.6	886.0	903.7
25°	718.0	725.3	737.8	742.0	755.5	770.1	784.7	815.0	841.1	853.6	866.1
27.5°	676.2	685.6	702.3	702.3	720.0	735.7	753.4	773.3	799.3	817.1	830.7
30°	643.9	653.3	660.6	672.0	679.3	694.0	725.3	739.9	762.8	778.5	795.2
32.5°	613.6	620.9	627.2	639.7	648.0	664.7	681.4	707.5	727.3	742.0	759.7
35°	580.2	587.5	595.9	605.3	617.8	633.4	649.1	671.0	690.8	704.4	719.0
37.5°	548.9	554.1	566.6	572.9	583.3	597.9	617.8	640.7	658.5	668.9	683.5
40°	518.6	522.8	532.2	543.7	551.0	562.5	583.3	603.2	625.1	637.6	649.1
42.5°	486.3	491.5	499.9	511.3	522.8	535.3	546.8	569.8	589.6	600.0	612.6
45°	458.1	461.2	467.5	479.0	490.5	499.9	517.6	538.5	557.2	565.6	579.2
47.5°	424.7	427.8	437.2	442.5	455.0	467.5	485.2	506.1	522.8	531.2	543.7
50°	390.3	393.4	399.7	411.2	419.5	433.1	448.7	466.5	487.3	498.8	506.1
52.5°	356.9	363.2	368.4	377.8	388.2	401.8	416.4	433.1	450.8	462.3	470.6
55°	323.5	328.7	335.0	340.2	352.7	365.2	381.9	397.6	413.2	423.7	433.1
57.5°	285.9	293.2	299.5	309.9	319.3	329.8	348.5	361.1	379.8	387.2	395.5
60°	253.6	260.9	266.1	274.4	282.8	296.4	308.9	324.5	340.2	349.6	360.0
62.5°	226.4	229.6	232.7	241.1	249.4	261.9	274.4	290.1	306.8	312.0	320.4
65°	199.3	202.4	207.7	215.0	221.2	228.5	242.1	254.6	270.3	278.6	281.8
67.5°	176.4	179.5	180.5	185.7	191.0	199.3	206.6	219.1	233.8	239.0	245.2
70°	150.3	155.5	156.5	160.7	162.8	168.0	176.4	185.7	197.2	206.6	211.8
72.5°	120.0	127.3	129.4	135.7	138.8	144.0	150.3	157.6	164.9	169.1	173.2
75°	98.1	100.2	101.2	106.4	111.7	119.0	122.1	126.3	132.5	137.7	141.9
77.5°	81.4	82.4	83.5	83.5	84.5	88.7	95.0	100.2	104.4	106.4	109.6
80°	65.7	64.7	64.7	65.7	65.7	65.7	67.8	75.1	77.2	82.4	81.4
82.5°	51.1	49.0	50.1	49.0	49.0	49.0	49.0	50.1	50.1	53.2	55.3
85°	33.4	34.4	33.4	33.4	32.3	33.4	32.3	32.3	31.3	31.3	30.3
87.5°	17.7	18.8	17.7	17.7	16.7	17.7	16.7	16.7	15.7	15.7	13.6
90°	20.9	20.2	19.5	18.9	18.2	16.0	13.8	11.6	9.4	8.3	7.5
92.5°	24.4	23.2	22.1	20.9	19.7	18.2	16.7	15.2	13.7	12.9	13.4
95°	28.2	27.0	25.9	24.7	23.5	21.6	19.8	17.9	16.0	15.1	18.6
97.5°	29.6	28.3	26.9	25.6	24.2	32.8	41.4	49.9	58.5	62.8	65.2
100°	30.3	29.0	27.7	26.3	25.0	51.2	77.5	103.7	130.0	143.1	141.4
102.5°	33.8	39.3	44.9	50.4	56.0	85.3	114.5	143.8	173.1	187.7	186.6
105°	46.7	76.5	106.2	136.0	165.8	180.9	196.1	211.2	226.3	233.9	233.0
107.5°	190.8	216.7	242.6	268.5	294.4	291.9	289.4	286.9	284.4	283.1	282.3
110°	319.2	324.7	330.3	335.8	341.4	339.5	337.7	335.8	333.9	333.0	332.3

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	395.1	393.6	392.1	390.6	389.1	387.2	385.4	383.5	381.6	380.7	380.1
115°	441.2	439.5	437.8	436.2	434.5	433.0	431.5	430.0	428.5	427.7	427.2
117.5°	484.5	483.2	481.8	480.5	479.1	478.3	477.4	476.6	475.7	475.3	474.7
120°	527.6	526.3	525.0	523.6	522.3	521.8	521.3	520.8	520.3	520.0	519.2
122.5°	568.8	567.9	567.1	566.2	565.4	564.7	564.1	563.4	562.7	562.4	561.8
125°	606.9	606.6	606.2	605.9	605.5	604.8	604.2	603.5	602.8	602.5	601.8
127.5°	647.7	647.2	646.7	646.2	645.7	644.9	644.0	643.2	642.3	641.9	641.2
130°	684.0	683.3	682.6	681.9	681.2	680.5	679.9	679.2	678.5	678.2	677.5
132.5°	718.0	717.3	716.6	716.0	715.3	714.8	714.3	713.8	713.3	713.0	712.3
135°	752.1	751.6	751.1	750.6	750.1	749.4	748.8	748.1	747.4	747.1	746.6
137.5°	783.8	782.9	782.1	781.2	780.4	780.1	779.7	779.4	779.1	778.9	778.2
140°	812.6	811.9	811.2	810.6	809.9	809.4	808.9	808.4	807.9	807.6	807.1
142.5°	839.9	839.4	838.9	838.4	837.9	837.4	836.9	836.4	835.9	835.6	835.1
145°	865.0	864.7	864.4	864.0	863.7	863.3	863.0	862.6	862.3	862.1	861.5
147.5°	888.4	888.1	887.8	887.4	887.1	886.8	886.4	886.1	885.8	885.6	885.2
150°	909.6	909.3	909.0	908.6	908.3	908.0	907.6	907.3	907.0	906.8	906.5
152.5°	929.2	928.5	927.8	927.2	926.5	926.3	926.1	926.0	925.8	925.7	925.6
155°	946.5	945.6	944.8	943.9	943.1	942.9	942.8	942.6	942.5	942.4	942.6
157.5°	962.3	961.3	960.3	959.3	958.3	958.5	958.6	958.8	958.9	959.0	959.0
160°	975.2	974.2	973.1	972.1	971.1	971.3	971.5	971.6	971.8	971.9	972.0
162.5°	987.2	986.0	984.9	983.7	982.5	982.7	982.8	983.0	983.1	983.2	983.5
165°	997.7	996.4	995.0	993.7	992.3	992.5	992.7	992.8	993.0	993.1	993.4
167.5°	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1001.0
170°	1012.8	1011.5	1010.2	1008.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.8
172.5°	1017.4	1016.1	1014.7	1013.4	1012.0	1011.8	1011.7	1011.5	1011.4	1011.3	1011.7
175°	1020.5	1019.3	1018.2	1017.0	1015.8	1015.6	1015.4	1015.3	1015.1	1015.0	1015.4
177.5°	1022.7	1021.4	1020.0	1018.7	1017.3	1017.1	1017.0	1016.8	1016.7	1016.6	1017.0
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1218.8	1218.8	1218.8	1218.8
2.5°	1187.5	1194.8	1209.5	1222.0
5°	1162.5	1174.0	1195.9	1217.8
7.5°	1132.2	1150.0	1178.2	1208.4
10°	1103.0	1126.0	1160.4	1195.9
12.5°	1073.8	1097.8	1134.3	1180.2
15°	1039.4	1064.4	1108.2	1163.5
17.5°	1009.1	1042.5	1082.1	1137.5
20°	976.7	1001.8	1052.9	1111.4
22.5°	936.1	977.8	1025.8	1087.4
25°	903.7	940.2	988.2	1058.1
27.5°	864.0	906.8	965.3	1026.8
30°	831.7	867.2	921.4	995.5
32.5°	794.1	835.9	892.2	965.3
35°	760.7	796.2	849.4	923.5
37.5°	721.1	759.7	819.2	884.9
40°	686.6	724.2	780.6	842.1
42.5°	644.9	684.6	740.9	793.1
45°	611.5	648.0	692.9	740.9
47.5°	570.8	609.4	653.3	686.6
50°	534.3	569.8	604.2	632.4
52.5°	494.6	527.0	558.3	579.2
55°	458.1	483.2	508.2	522.8
57.5°	415.3	439.3	460.2	468.5
60°	377.8	397.6	411.2	420.5
62.5°	338.1	352.7	363.2	368.4
65°	299.5	309.9	315.1	320.4
67.5°	259.8	269.2	272.4	278.6
70°	218.1	228.5	230.6	233.8
72.5°	186.8	186.8	191.0	195.1
75°	149.2	151.3	153.4	153.4
77.5°	116.9	116.9	119.0	120.0
80°	85.6	86.6	86.6	85.6
82.5°	58.4	60.5	58.4	57.4
85°	32.3	36.5	34.4	34.4
87.5°	13.6	13.6	15.7	13.6
90°	5.8	4.1	2.5	0.8
92.5°	14.4	15.4	16.4	17.4
95°	25.5	32.4	39.3	46.2
97.5°	69.9	74.6	79.3	84.0
100°	138.0	134.7	131.3	127.9
102.5°	184.4	182.3	180.1	177.9
105°	231.1	229.3	227.4	225.6
107.5°	280.8	279.3	277.8	276.3
110°	331.0	329.7	328.3	327.0

TEST NUMBER: P1011009

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	378.9	377.8	376.6	375.4
115°	426.2	425.1	424.1	423.1
117.5°	473.6	472.4	471.3	470.1
120°	517.7	516.2	514.7	513.2
122.5°	560.6	559.5	558.3	557.1
125°	600.5	599.2	597.8	596.5
127.5°	639.9	638.5	637.2	635.8
130°	676.2	674.9	673.5	672.2
132.5°	711.0	709.7	708.3	707.0
135°	745.6	744.5	743.5	742.5
137.5°	776.9	775.5	774.2	772.8
140°	806.1	805.1	804.1	803.1
142.5°	834.1	833.1	832.1	831.1
145°	860.3	859.2	858.0	856.8
147.5°	884.3	883.5	882.6	881.8
150°	906.0	905.5	905.0	904.5
152.5°	925.5	925.3	925.2	925.0
155°	942.9	943.2	943.6	943.9
157.5°	959.0	959.0	959.0	959.0
160°	972.1	972.3	972.4	972.6
162.5°	984.0	984.5	985.0	985.5
165°	993.9	994.4	994.9	995.4
167.5°	1001.7	1002.4	1003.0	1003.7
170°	1008.5	1009.2	1009.8	1010.5
172.5°	1012.5	1013.4	1014.2	1015.0
175°	1016.3	1017.1	1018.0	1018.8
177.5°	1017.8	1018.7	1019.5	1020.3
180°	1018.8	1018.8	1018.8	1018.8

(END OF REPORT)