

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: P1010980

Luminaire Tested: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010980
REPORT IS A COMBINATION OF REPORTS P993566 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K
Description: Define 3 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

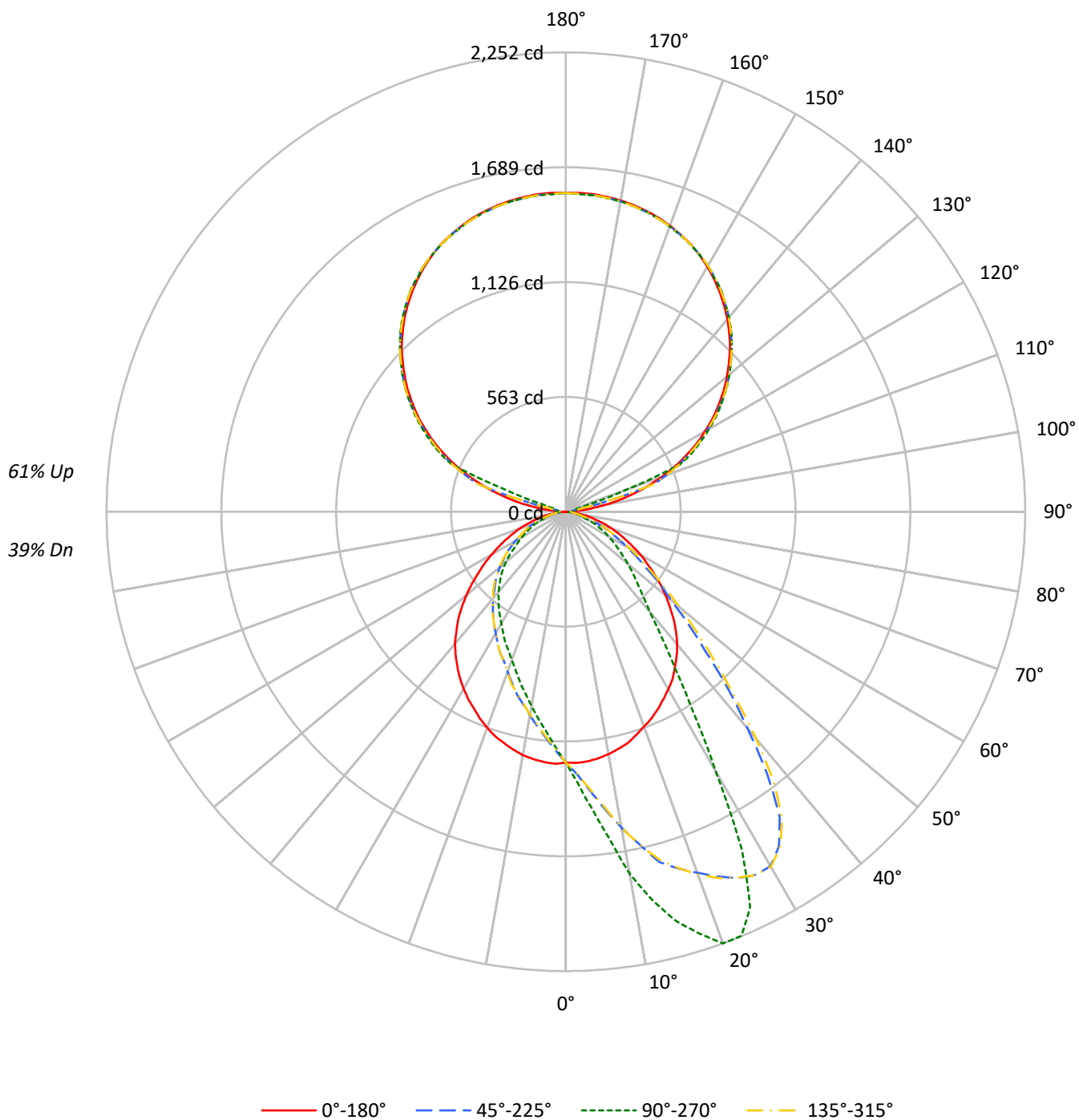
Lumens per Lamp: N/A
Luminaire Lumens: 7828.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 70.9
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: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46
1	96	92	88	85	87	84	81	78	68	66	64	54	53	52	41	41	40
2	88	81	75	70	79	74	69	65	60	57	54	48	46	44	37	36	34
3	80	71	64	59	73	65	59	54	54	49	46	43	40	38	33	31	30
4	74	63	56	50	67	58	51	46	48	43	39	39	35	33	30	28	26
5	68	57	49	43	61	52	45	40	43	38	34	35	31	28	27	25	23
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	22	20
7	58	46	38	33	52	42	36	31	35	30	26	29	25	22	23	20	18
8	54	42	34	29	49	38	32	27	32	27	24	26	23	20	21	18	16
9	50	38	31	26	45	35	29	24	30	25	21	24	21	18	19	17	15
10	47	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13232	13232	13232	13232
5°	13242	15240	13276	11306
10°	13125	18396	13182	9875
15°	12990	20879	12990	8707
20°	12724	22521	12795	7724
25°	12529	21397	12504	7048
30°	12302	14825	12277	6387
35°	12028	9518	11974	5888
40°	11689	6721	11631	5393
45°	11098	5379	11082	4909
50°	10371	4500	10337	4344
55°	9554	3708	9478	3683
60°	8751	3065	8664	3132
65°	7810	2453	7861	2656
70°	6944	1705	7130	2146
75°	5885	1265	6124	1650
80°	4685	838	5087	1238
85°	3333	397	3640	769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17665 cd/sqm

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	1.5
10°-20°	377.9	4.8
20°-30°	595.2	7.6
30°-40°	618.9	7.9
40°-50°	529.5	6.8
50°-60°	403.7	5.2
60°-70°	258.6	3.3
70°-80°	123.9	1.6
80°-90°	35.7	0.5
90°-100°	55.1	0.7
100°-110°	266.4	3.4
110°-120°	652.9	8.3
120°-130°	828.8	10.6
130°-140°	885.4	11.3
140°-150°	827.9	10.6
150°-160°	667.8	8.5
160°-170°	431.0	5.5
170°-180°	148.5	1.9
0°-30°	1093.8	14.0
0°-40°	1712.7	21.9
0°-60°	2645.9	33.8
0°-90°	3064.1	39.1
90°-120°	974.4	12.4
90°-150°	3516.6	44.9
90°-180°	4764.0	60.9
0°-180°	7828.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1229	1229	1229	1229	1229	
5°	1228	1460	1231	1083	1228	116
15°	1174	2074	1174	865	1174	330
25°	1067	2138	1065	704	1067	492
35°	931	927	927	574	931	583
45°	747	495	746	452	747	575
55°	527	310	523	308	527	472
65°	323	179	325	194	323	323
75°	155	76	161	99	155	167
85°	35	18	38	35	35	39
90°	1	35	1	35	1	6
95°	71	44	71	44	71	85
105°	346	51	346	51	346	367
115°	649	683	649	683	649	641
125°	915	933	915	933	915	817
135°	1139	1150	1139	1150	1139	877
145°	1314	1327	1314	1327	1314	823
155°	1448	1445	1448	1445	1448	667
165°	1527	1523	1527	1523	1527	431
175°	1563	1557	1563	1557	1563	149
180°	1563	1563	1563	1563	1563	

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1232.4	1240.9	1247.2	1251.4	1261.9	1268.2	1273.5	1283.0	1283.0	1285.1	1289.3
5°	1228.2	1246.1	1258.8	1275.6	1297.7	1308.2	1323.0	1335.6	1353.5	1363.0	1372.4
7.5°	1218.8	1244.0	1270.3	1295.6	1328.2	1349.3	1364.0	1396.6	1419.8	1448.2	1470.3
10°	1206.1	1240.9	1274.5	1313.5	1357.7	1389.3	1411.4	1454.5	1498.7	1538.7	1572.4
12.5°	1190.3	1232.4	1280.9	1328.2	1390.3	1421.9	1457.7	1511.4	1574.5	1625.0	1670.3
15°	1173.5	1221.9	1276.7	1334.5	1412.4	1456.6	1508.2	1573.4	1644.0	1716.6	1778.7
17.5°	1147.2	1208.2	1269.3	1353.5	1445.0	1471.4	1515.6	1605.0	1692.4	1757.6	1833.4
20°	1120.9	1189.3	1266.1	1341.9	1440.8	1501.9	1542.9	1637.7	1731.3	1810.3	1882.9
22.5°	1096.7	1168.2	1248.2	1344.0	1436.6	1497.7	1549.2	1648.2	1756.6	1845.0	1934.4
25°	1067.2	1145.1	1233.5	1324.0	1436.6	1482.9	1539.8	1654.5	1769.2	1871.3	1981.8
27.5°	1035.6	1114.6	1201.9	1294.5	1397.7	1466.1	1521.9	1645.0	1785.0	1894.5	2008.1
30°	1004.1	1085.1	1169.3	1252.4	1368.2	1433.5	1497.7	1633.4	1793.4	1918.7	2006.0
32.5°	973.5	1041.9	1125.1	1206.1	1320.9	1392.4	1465.0	1621.9	1796.6	1901.8	1943.9
35°	931.4	1003.0	1070.4	1156.7	1272.4	1343.0	1428.2	1620.8	1782.9	1848.1	1827.1
37.5°	892.5	952.5	1016.7	1093.5	1212.5	1304.0	1392.4	1593.4	1737.6	1741.8	1622.9
40°	849.3	898.8	952.5	1033.5	1161.9	1252.4	1348.2	1551.3	1655.5	1593.4	1384.0
42.5°	799.9	844.1	886.2	965.1	1105.1	1206.1	1309.3	1498.7	1536.6	1393.5	1175.6
45°	747.3	783.0	822.0	905.1	1045.1	1145.1	1248.2	1417.7	1378.7	1176.7	969.3
47.5°	692.5	723.0	760.9	836.7	980.9	1083.0	1180.9	1301.9	1203.0	986.2	812.5
50°	637.8	662.0	698.8	776.7	915.7	1008.3	1098.8	1177.7	1038.8	846.2	671.5
52.5°	584.1	603.1	641.0	707.3	842.0	930.4	995.6	1026.2	885.1	698.8	583.1
55°	527.3	548.3	573.6	641.0	774.6	839.9	883.0	882.0	736.7	592.5	482.0
57.5°	472.6	491.5	513.6	581.0	689.4	733.6	770.4	752.5	614.6	485.2	413.6
60°	424.1	434.7	458.9	515.7	597.8	635.7	656.7	626.2	502.0	409.4	342.1
62.5°	371.5	382.0	402.0	455.7	506.2	526.2	544.1	505.2	414.7	333.6	292.6
65°	323.1	336.8	349.4	392.6	419.9	444.1	442.0	409.4	324.2	271.5	237.9
67.5°	281.0	286.3	296.8	323.1	335.7	353.6	354.7	317.8	261.0	221.0	201.0
70°	235.8	241.0	248.4	261.0	269.4	273.6	271.5	238.9	196.8	172.6	154.7
72.5°	196.8	195.8	201.0	201.0	209.4	208.4	202.1	176.8	149.5	129.5	118.9
75°	154.7	155.8	156.8	154.7	151.6	147.3	142.1	123.1	105.2	95.8	86.3
77.5°	121.0	118.9	120.0	112.6	108.4	104.2	96.8	87.4	72.6	70.5	66.3
80°	86.3	85.3	84.2	81.0	71.6	67.4	62.1	56.8	53.7	51.6	50.5
82.5°	57.9	57.9	55.8	49.5	44.2	41.0	40.0	37.9	34.7	34.7	33.7
85°	34.7	33.7	31.6	25.3	22.1	22.1	22.1	22.1	20.0	20.0	18.9
87.5°	13.7	12.6	9.5	9.5	8.4	8.4	8.4	7.4	7.4	6.3	6.3
90°	1.2	3.8	6.4	8.9	11.5	12.8	14.5	17.8	21.2	24.5	27.9
92.5°	26.7	25.1	23.6	22.0	20.5	19.7	20.9	23.2	25.5	27.9	30.2
95°	70.8	60.2	49.6	39.1	28.5	23.2	24.6	27.5	30.3	33.2	36.0
97.5°	128.9	121.7	114.5	107.2	100.0	96.4	89.8	76.7	63.5	50.4	37.2
100°	196.2	201.4	206.5	211.7	216.8	219.4	199.3	159.0	118.8	78.5	38.3
102.5°	272.8	276.2	279.5	282.9	286.2	287.9	265.5	220.6	175.7	130.8	85.9
105°	346.0	348.8	351.6	354.5	357.3	358.7	347.1	323.9	300.7	277.5	254.3
107.5°	423.8	426.1	428.4	430.7	433.0	434.2	436.1	440.0	443.9	447.7	451.6
110°	501.5	503.6	505.6	507.7	509.8	510.8	512.2	515.1	517.9	520.8	523.6

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	575.8	577.6	579.4	581.3	583.1	584.0	585.4	588.2	591.1	593.9	596.7
115°	649.0	650.5	652.1	653.6	655.1	655.9	657.1	659.4	661.7	664.1	666.4
117.5°	721.0	722.8	724.6	726.4	728.2	729.1	729.7	731.0	732.3	733.6	734.9
120°	787.1	789.4	791.8	794.1	796.4	797.6	798.0	798.8	799.5	800.3	801.1
122.5°	854.5	856.3	858.1	859.9	861.7	862.6	863.1	864.1	865.2	866.2	867.2
125°	914.8	916.9	918.9	921.0	923.1	924.1	924.6	925.7	926.7	927.8	928.8
127.5°	975.2	977.3	979.3	981.4	983.5	984.5	985.1	986.4	987.7	989.0	990.3
130°	1030.9	1033.0	1035.0	1037.1	1039.2	1040.2	1040.7	1041.8	1042.8	1043.9	1044.9
132.5°	1084.3	1086.4	1088.4	1090.5	1092.6	1093.6	1094.0	1094.8	1095.5	1096.3	1097.1
135°	1138.9	1140.5	1142.0	1143.6	1145.1	1145.9	1146.4	1147.4	1148.5	1149.5	1150.5
137.5°	1185.3	1187.4	1189.4	1191.5	1193.6	1194.6	1194.9	1195.4	1195.9	1196.5	1197.0
140°	1231.8	1233.3	1234.9	1236.4	1237.9	1238.7	1239.1	1239.9	1240.6	1241.4	1242.2
142.5°	1274.7	1276.3	1277.8	1279.4	1280.9	1281.7	1282.1	1282.9	1283.6	1284.4	1285.2
145°	1314.2	1316.0	1317.8	1319.6	1321.4	1322.3	1322.6	1323.1	1323.6	1324.2	1324.7
147.5°	1352.5	1353.8	1355.1	1356.4	1357.7	1358.3	1358.6	1359.1	1359.6	1360.1	1360.6
150°	1387.3	1388.1	1388.9	1389.6	1390.4	1390.8	1391.1	1391.6	1392.1	1392.7	1393.2
152.5°	1418.7	1419.0	1419.2	1419.5	1419.8	1419.9	1420.0	1420.3	1420.5	1420.8	1421.0
155°	1447.7	1447.2	1446.7	1446.2	1445.7	1445.4	1445.5	1445.8	1446.1	1446.3	1446.6
157.5°	1470.9	1470.9	1470.9	1470.9	1470.9	1470.9	1470.8	1470.5	1470.3	1470.0	1469.8
160°	1491.8	1491.6	1491.3	1491.1	1490.8	1490.7	1490.6	1490.3	1490.0	1489.8	1489.5
162.5°	1511.6	1510.8	1510.0	1509.3	1508.5	1508.1	1508.0	1507.7	1507.4	1507.2	1506.9
165°	1526.7	1525.9	1525.1	1524.4	1523.6	1523.2	1523.1	1522.8	1522.5	1522.3	1522.0
167.5°	1539.4	1538.4	1537.4	1536.3	1535.3	1534.8	1534.8	1534.8	1534.8	1534.8	1534.8
170°	1549.9	1548.9	1547.8	1546.8	1545.7	1545.2	1545.2	1545.2	1545.2	1545.2	1545.2
172.5°	1556.8	1555.5	1554.2	1552.9	1551.6	1551.0	1551.1	1551.4	1551.7	1551.9	1552.2
175°	1562.7	1561.4	1560.1	1558.8	1557.5	1556.8	1556.9	1557.2	1557.5	1557.7	1558.0
177.5°	1565.0	1563.7	1562.4	1561.1	1559.8	1559.2	1559.3	1559.6	1559.8	1560.1	1560.3
180°	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1297.7	1297.7	1307.2	1316.6	1311.4	1314.5	1326.1	1321.9	1330.3	1329.3	1332.4
5°	1395.6	1407.2	1416.6	1436.6	1439.8	1436.6	1456.6	1461.9	1471.4	1459.8	1465.0
7.5°	1506.1	1530.3	1553.5	1582.9	1592.4	1594.5	1605.0	1619.8	1632.4	1609.2	1620.8
10°	1613.4	1650.3	1697.6	1724.0	1747.1	1755.5	1763.9	1773.4	1788.2	1801.8	1791.3
12.5°	1729.2	1782.9	1828.1	1875.5	1903.9	1900.8	1925.0	1931.3	1942.9	1946.0	1950.2
15°	1823.9	1899.7	1928.1	1998.6	2005.0	2026.0	2053.4	2077.6	2080.7	2074.4	2074.4
17.5°	1914.5	1979.7	2030.2	2087.1	2098.6	2116.5	2151.3	2162.8	2167.0	2166.0	2166.0
20°	1988.1	2031.3	2116.5	2163.9	2182.8	2206.0	2230.2	2244.9	2248.1	2252.3	2246.0
22.5°	2036.5	2101.8	2171.3	2210.2	2226.0	2234.4	2250.2	2254.4	2249.1	2250.2	2251.2
25°	2074.4	2138.6	2180.7	2191.3	2190.2	2179.7	2168.1	2148.1	2146.0	2137.6	2120.7
27.5°	2085.0	2109.2	2103.9	2060.7	2017.6	2013.4	1943.9	1906.0	1862.9	1869.2	1845.0
30°	2028.1	1996.5	1921.8	1812.4	1767.1	1693.4	1615.5	1534.5	1502.9	1468.2	1532.4
32.5°	1889.2	1776.6	1644.0	1501.9	1426.1	1360.8	1277.7	1218.8	1185.1	1156.7	1211.4
35°	1679.7	1504.0	1328.2	1193.5	1131.4	1072.5	994.6	965.1	923.0	927.2	932.5
37.5°	1410.3	1216.7	1084.0	951.4	910.4	886.2	829.3	784.1	769.4	765.1	765.1
40°	1157.7	998.8	880.9	776.7	745.2	725.2	679.9	658.8	643.1	638.9	644.1
42.5°	957.8	822.0	730.4	661.0	638.9	613.6	594.6	568.3	565.2	557.8	567.3
45°	804.1	686.2	617.8	567.3	548.3	538.9	517.8	502.0	495.7	494.7	502.0
47.5°	682.0	590.4	530.4	498.9	484.1	474.7	456.8	450.5	444.1	446.2	443.1
50°	572.5	504.1	465.2	436.8	427.3	417.8	406.3	399.9	396.8	396.8	395.7
52.5°	491.5	434.7	409.4	383.1	378.9	373.6	361.0	356.8	351.5	350.5	354.7
55°	421.0	382.0	356.8	341.0	336.8	326.3	321.0	315.7	312.6	310.5	311.5
57.5°	359.9	330.5	313.6	300.0	292.6	288.4	278.9	277.9	275.7	275.7	274.7
60°	309.4	288.4	268.4	260.0	254.7	249.4	248.4	242.1	238.9	241.0	240.0
62.5°	262.1	245.2	233.6	224.2	221.0	216.8	213.7	211.5	208.4	209.4	209.4
65°	218.9	205.2	196.8	188.4	187.3	183.1	182.1	180.0	180.0	178.9	181.0
67.5°	180.0	170.5	163.1	157.9	154.7	155.8	151.6	148.4	148.4	147.3	150.5
70°	143.1	137.9	130.5	124.2	120.0	120.0	114.7	113.7	113.7	113.7	112.6
72.5°	110.5	101.0	97.9	95.8	95.8	95.8	93.7	93.7	92.6	93.7	92.6
75°	82.1	81.0	78.9	77.9	77.9	76.8	75.8	75.8	75.8	75.8	75.8
77.5°	64.2	64.2	62.1	61.0	61.0	61.0	60.0	60.0	58.9	58.9	58.9
80°	47.4	47.4	45.3	45.3	45.3	44.2	44.2	44.2	45.3	44.2	44.2
82.5°	32.6	32.6	31.6	32.6	31.6	30.5	30.5	30.5	29.5	30.5	30.5
85°	18.9	18.9	17.9	16.8	17.9	17.9	16.8	17.9	16.8	17.9	16.8
87.5°	7.4	6.3	6.3	6.3	5.3	6.3	5.3	5.3	6.3	5.3	6.3
90°	28.9	29.9	31.0	32.0	32.5	32.8	33.3	33.8	34.3	34.8	34.3
92.5°	32.0	33.8	35.6	37.4	38.3	38.4	38.7	39.0	39.2	39.5	39.2
95°	37.8	39.6	41.4	43.2	44.1	44.1	44.1	44.1	44.1	44.1	44.1
97.5°	39.2	41.3	43.3	45.4	46.4	46.5	46.8	47.1	47.3	47.6	47.3
100°	40.4	42.4	44.5	46.6	47.6	47.7	48.0	48.3	48.5	48.8	48.5
102.5°	77.4	68.9	60.4	51.9	47.6	47.9	48.4	48.9	49.4	49.9	49.4
105°	208.6	163.0	117.3	71.6	48.8	49.1	49.6	50.1	50.6	51.1	50.6
107.5°	411.9	372.1	332.4	292.7	272.8	255.9	222.1	188.3	154.5	120.7	154.5
110°	515.1	506.6	498.1	489.6	485.3	466.9	430.0	393.1	356.2	319.3	356.2

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	599.0	601.4	603.7	606.0	607.2	606.9	606.4	605.9	605.4	604.9	605.4
115°	669.0	671.6	674.1	676.7	678.0	678.5	679.5	680.6	681.6	682.6	681.6
117.5°	737.0	739.0	741.1	743.2	744.2	744.3	744.6	744.8	745.1	745.3	745.1
120°	803.2	805.2	807.3	809.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4
122.5°	868.5	869.8	871.1	872.4	873.0	873.1	873.4	873.7	873.9	874.2	873.9
125°	929.3	929.8	930.3	930.8	931.1	931.4	931.9	932.4	932.9	933.4	932.9
127.5°	991.1	991.9	992.6	993.4	993.8	993.5	993.0	992.5	992.0	991.5	992.0
130°	1045.9	1046.9	1048.0	1049.0	1049.5	1049.2	1048.7	1048.2	1047.7	1047.2	1047.7
132.5°	1098.1	1099.2	1100.2	1101.3	1101.8	1101.4	1100.6	1099.9	1099.1	1098.3	1099.1
135°	1151.3	1152.1	1152.8	1153.6	1154.0	1153.6	1152.8	1152.1	1151.3	1150.5	1151.3
137.5°	1198.3	1199.6	1200.9	1202.2	1202.8	1202.5	1202.0	1201.5	1200.9	1200.4	1200.9
140°	1243.2	1244.3	1245.3	1246.4	1246.9	1246.6	1246.1	1245.6	1245.0	1244.5	1245.0
142.5°	1286.0	1286.8	1287.5	1288.3	1288.7	1288.3	1287.5	1286.8	1286.0	1285.2	1286.0
145°	1325.2	1325.7	1326.2	1326.7	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0
147.5°	1361.1	1361.7	1362.2	1362.7	1363.0	1362.4	1361.1	1359.8	1358.5	1357.2	1358.5
150°	1393.7	1394.2	1394.7	1395.2	1395.5	1395.1	1394.3	1393.6	1392.8	1392.0	1392.8
152.5°	1422.0	1423.1	1424.1	1425.2	1425.7	1425.1	1423.8	1422.5	1421.2	1419.9	1421.2
155°	1447.9	1449.2	1450.5	1451.8	1452.4	1451.6	1450.1	1448.5	1447.0	1445.4	1447.0
157.5°	1471.3	1472.9	1474.4	1475.9	1476.7	1475.7	1473.6	1471.6	1469.5	1467.5	1469.5
160°	1491.1	1492.6	1494.2	1495.7	1496.5	1495.6	1493.8	1492.0	1490.2	1488.4	1490.2
162.5°	1508.7	1510.5	1512.4	1514.2	1515.1	1514.3	1512.8	1511.2	1509.7	1508.1	1509.7
165°	1524.1	1526.1	1528.2	1530.3	1531.3	1530.4	1528.6	1526.8	1525.0	1523.2	1525.0
167.5°	1536.9	1538.9	1541.0	1543.1	1544.1	1543.1	1541.0	1538.9	1536.9	1534.8	1536.9
170°	1547.3	1549.3	1551.4	1553.5	1554.5	1553.5	1551.4	1549.3	1547.3	1545.2	1547.3
172.5°	1554.3	1556.3	1558.4	1560.5	1561.5	1560.3	1558.0	1555.7	1553.3	1551.0	1553.3
175°	1559.8	1561.6	1563.4	1565.2	1566.1	1565.1	1563.0	1560.9	1558.9	1556.8	1558.9
177.5°	1562.4	1564.4	1566.5	1568.6	1569.6	1568.3	1565.7	1563.2	1560.6	1558.0	1560.6
180°	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1327.2	1320.9	1316.6	1313.5	1310.3	1319.8	1307.2	1293.5	1284.0	1277.7	1275.6
5°	1466.1	1452.4	1440.8	1431.4	1433.5	1433.5	1411.4	1387.2	1366.1	1354.5	1341.9
7.5°	1627.1	1612.4	1589.2	1584.0	1579.8	1553.5	1531.4	1487.1	1460.8	1434.5	1411.4
10°	1787.1	1768.2	1746.1	1738.7	1728.2	1695.5	1661.9	1605.0	1572.4	1524.0	1493.5
12.5°	1936.6	1913.4	1891.3	1886.0	1870.2	1841.8	1783.9	1725.0	1669.2	1617.7	1564.0
15°	2061.8	2055.5	2021.8	2000.8	1966.0	1927.1	1914.5	1834.5	1763.9	1710.3	1613.4
17.5°	2167.0	2137.6	2106.0	2092.3	2078.6	2033.4	1988.1	1906.0	1830.3	1751.3	1689.2
20°	2251.2	2218.6	2196.5	2176.5	2170.2	2118.6	2047.1	1974.4	1891.3	1802.9	1721.8
22.5°	2255.5	2251.2	2236.5	2224.9	2212.3	2178.6	2121.8	2031.3	1942.9	1846.0	1739.7
25°	2168.1	2161.8	2203.9	2193.4	2201.8	2189.1	2158.6	2082.8	1979.7	1866.0	1758.7
27.5°	1905.0	1969.2	2035.5	2058.6	2074.4	2119.7	2134.4	2092.3	2009.2	1888.1	1768.2
30°	1547.1	1632.4	1739.7	1797.6	1841.8	1926.0	2035.5	2049.2	2010.2	1913.4	1766.1
32.5°	1214.6	1292.4	1378.7	1447.2	1506.1	1678.7	1826.0	1932.3	1951.3	1900.8	1771.3
35°	978.8	1012.5	1094.6	1159.8	1239.8	1387.2	1560.8	1732.4	1848.1	1854.5	1755.5
37.5°	807.2	825.1	896.7	933.5	980.9	1110.4	1272.4	1496.6	1676.6	1761.8	1711.3
40°	668.3	709.4	750.4	771.5	805.1	894.6	1050.4	1226.1	1449.3	1607.1	1642.9
42.5°	579.9	597.8	624.1	653.6	674.6	752.5	856.7	1017.7	1218.8	1438.7	1537.7
45°	511.5	517.8	545.2	564.1	586.2	641.0	714.6	849.3	1026.2	1243.0	1411.4
47.5°	454.7	467.3	482.0	493.6	508.3	550.4	613.6	711.5	867.2	1060.9	1241.9
50°	404.2	411.5	430.5	435.7	446.2	475.7	524.1	598.9	727.3	882.0	1069.3
52.5°	356.8	370.5	377.8	385.2	394.7	418.9	450.5	511.5	608.3	753.6	912.5
55°	320.0	324.2	334.7	341.0	348.4	365.2	392.6	437.8	513.6	629.4	779.9
57.5°	284.2	284.2	294.7	300.0	307.3	320.0	344.2	378.9	433.6	519.9	657.8
60°	246.3	247.3	255.8	262.1	264.2	276.8	296.8	324.2	366.3	429.4	542.0
62.5°	212.6	217.9	222.1	224.2	231.5	238.9	255.8	274.7	304.2	359.9	439.9
65°	184.2	185.2	188.4	190.5	193.7	202.1	214.7	227.3	252.6	293.6	358.9
67.5°	151.6	155.8	160.0	160.0	163.1	167.3	180.0	190.5	209.4	233.6	277.9
70°	113.7	115.8	122.1	125.2	129.5	136.8	143.1	149.5	164.2	182.1	215.8
72.5°	94.7	94.7	96.8	97.9	97.9	103.1	112.6	118.9	126.3	138.9	162.1
75°	75.8	75.8	78.9	77.9	80.0	82.1	83.1	87.4	91.6	101.0	114.7
77.5°	60.0	61.0	61.0	62.1	62.1	63.1	64.2	66.3	68.4	73.7	80.0
80°	44.2	45.3	45.3	46.3	46.3	47.4	48.4	49.5	51.6	53.7	56.8
82.5°	30.5	31.6	31.6	32.6	31.6	32.6	33.7	33.7	34.7	36.8	37.9
85°	17.9	17.9	18.9	17.9	17.9	17.9	18.9	18.9	20.0	23.2	23.2
87.5°	5.3	6.3	5.3	6.3	6.3	6.3	6.3	7.4	7.4	8.4	9.5
90°	33.8	33.3	32.8	32.5	32.0	31.0	29.9	28.9	27.9	24.5	21.2
92.5°	39.0	38.7	38.4	38.3	37.4	35.6	33.8	32.0	30.2	27.9	25.5
95°	44.1	44.1	44.1	44.1	43.2	41.4	39.6	37.8	36.0	33.2	30.3
97.5°	47.1	46.8	46.5	46.4	45.4	43.3	41.3	39.2	37.2	50.4	63.5
100°	48.3	48.0	47.7	47.6	46.6	44.5	42.4	40.4	38.3	78.5	118.8
102.5°	48.9	48.4	47.9	47.6	51.9	60.4	68.9	77.4	85.9	130.8	175.7
105°	50.1	49.6	49.1	48.8	71.6	117.3	163.0	208.6	254.3	277.5	300.7
107.5°	188.3	222.1	255.9	272.8	292.7	332.4	372.1	411.9	451.6	447.7	443.9
110°	393.1	430.0	466.9	485.3	489.6	498.1	506.6	515.1	523.6	520.8	517.9

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	605.9	606.4	606.9	607.2	606.0	603.7	601.4	599.0	596.7	593.9	591.1
115°	680.6	679.5	678.5	678.0	676.7	674.1	671.6	669.0	666.4	664.1	661.7
117.5°	744.8	744.6	744.3	744.2	743.2	741.1	739.0	737.0	734.9	733.6	732.3
120°	810.4	810.4	810.4	810.4	809.4	807.3	805.2	803.2	801.1	800.3	799.5
122.5°	873.7	873.4	873.1	873.0	872.4	871.1	869.8	868.5	867.2	866.2	865.2
125°	932.4	931.9	931.4	931.1	930.8	930.3	929.8	929.3	928.8	927.8	926.7
127.5°	992.5	993.0	993.5	993.8	993.4	992.6	991.9	991.1	990.3	989.0	987.7
130°	1048.2	1048.7	1049.2	1049.5	1049.0	1048.0	1046.9	1045.9	1044.9	1043.9	1042.8
132.5°	1099.9	1100.6	1101.4	1101.8	1101.3	1100.2	1099.2	1098.1	1097.1	1096.3	1095.5
135°	1152.1	1152.8	1153.6	1154.0	1153.6	1152.8	1152.1	1151.3	1150.5	1149.5	1148.5
137.5°	1201.5	1202.0	1202.5	1202.8	1202.2	1200.9	1199.6	1198.3	1197.0	1196.5	1195.9
140°	1245.6	1246.1	1246.6	1246.9	1246.4	1245.3	1244.3	1243.2	1242.2	1241.4	1240.6
142.5°	1286.8	1287.5	1288.3	1288.7	1288.3	1287.5	1286.8	1286.0	1285.2	1284.4	1283.6
145°	1327.0	1327.0	1327.0	1327.0	1326.7	1326.2	1325.7	1325.2	1324.7	1324.2	1323.6
147.5°	1359.8	1361.1	1362.4	1363.0	1362.7	1362.2	1361.7	1361.1	1360.6	1360.1	1359.6
150°	1393.6	1394.3	1395.1	1395.5	1395.2	1394.7	1394.2	1393.7	1393.2	1392.7	1392.1
152.5°	1422.5	1423.8	1425.1	1425.7	1425.2	1424.1	1423.1	1422.0	1421.0	1420.8	1420.5
155°	1448.5	1450.1	1451.6	1452.4	1451.8	1450.5	1449.2	1447.9	1446.6	1446.3	1446.1
157.5°	1471.6	1473.6	1475.7	1476.7	1475.9	1474.4	1472.9	1471.3	1469.8	1470.0	1470.3
160°	1492.0	1493.8	1495.6	1496.5	1495.7	1494.2	1492.6	1491.1	1489.5	1489.8	1490.0
162.5°	1511.2	1512.8	1514.3	1515.1	1514.2	1512.4	1510.5	1508.7	1506.9	1507.2	1507.4
165°	1526.8	1528.6	1530.4	1531.3	1530.3	1528.2	1526.1	1524.1	1522.0	1522.3	1522.5
167.5°	1538.9	1541.0	1543.1	1544.1	1543.1	1541.0	1538.9	1536.9	1534.8	1534.8	1534.8
170°	1549.3	1551.4	1553.5	1554.5	1553.5	1551.4	1549.3	1547.3	1545.2	1545.2	1545.2
172.5°	1555.7	1558.0	1560.3	1561.5	1560.5	1558.4	1556.3	1554.3	1552.2	1551.9	1551.7
175°	1560.9	1563.0	1565.1	1566.1	1565.2	1563.4	1561.6	1559.8	1558.0	1557.7	1557.5
177.5°	1563.2	1565.7	1568.3	1569.6	1568.6	1566.5	1564.4	1562.4	1560.3	1560.1	1559.8
180°	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1272.4	1267.2	1261.9	1261.9	1250.3	1239.8	1234.6	1236.7	1230.3	1221.9	1213.5
5°	1328.2	1307.2	1303.0	1291.4	1275.6	1253.5	1241.9	1231.4	1218.8	1201.9	1186.1
7.5°	1379.8	1352.4	1337.7	1326.1	1295.6	1265.1	1239.8	1223.0	1200.9	1175.6	1156.7
10°	1447.2	1396.6	1380.8	1354.5	1311.4	1268.2	1238.8	1211.4	1180.9	1151.4	1126.1
12.5°	1500.8	1442.9	1413.5	1387.2	1331.4	1276.7	1227.2	1193.5	1156.7	1124.0	1091.4
15°	1561.9	1496.6	1445.0	1413.5	1343.0	1276.7	1220.9	1173.5	1132.5	1092.5	1064.1
17.5°	1591.3	1509.2	1486.1	1440.8	1338.7	1272.4	1204.0	1153.5	1104.0	1057.7	1024.1
20°	1637.7	1541.9	1484.0	1453.5	1363.0	1265.1	1185.1	1127.2	1075.6	1026.2	990.4
22.5°	1640.8	1536.6	1498.7	1440.8	1329.3	1243.0	1168.2	1097.7	1037.7	991.4	954.6
25°	1633.4	1527.1	1474.5	1428.2	1335.6	1230.3	1134.6	1065.1	1006.2	952.5	909.3
27.5°	1630.3	1499.8	1450.3	1404.0	1299.8	1193.5	1114.6	1035.6	968.3	920.9	876.7
30°	1626.1	1470.3	1410.3	1356.6	1260.9	1165.1	1070.4	1002.0	937.8	877.8	833.6
32.5°	1598.7	1430.3	1369.3	1312.4	1209.3	1113.5	1038.8	966.2	896.7	840.9	800.9
35°	1590.3	1393.5	1313.5	1252.4	1151.4	1066.2	987.2	927.2	862.0	806.2	758.8
37.5°	1566.1	1355.6	1269.3	1191.4	1086.2	1005.1	947.2	887.2	824.1	764.1	726.2
40°	1524.0	1311.4	1213.5	1133.5	1025.1	943.0	889.3	845.1	783.0	729.4	683.1
42.5°	1461.9	1266.1	1160.9	1076.7	956.7	879.9	835.7	793.6	740.9	685.2	647.3
45°	1390.3	1206.1	1108.3	1014.6	892.5	817.8	771.5	746.2	697.8	650.4	606.2
47.5°	1292.4	1144.0	1047.2	950.4	826.2	753.6	716.7	691.5	657.8	606.2	570.4
50°	1169.3	1064.1	972.5	886.2	760.9	691.5	654.6	635.7	607.3	570.4	535.7
52.5°	1032.5	971.4	895.7	815.7	694.6	629.4	595.7	581.0	559.9	525.2	495.7
55°	894.6	868.3	816.7	737.8	625.2	571.5	542.0	523.1	507.3	482.0	456.8
57.5°	771.5	758.8	723.0	662.0	567.3	511.5	486.2	473.6	461.0	442.0	416.8
60°	644.1	657.8	621.0	590.4	504.1	455.7	433.6	419.9	413.6	396.8	381.0
62.5°	533.6	546.2	525.2	502.0	441.0	397.8	384.2	371.5	367.3	352.6	336.8
65°	433.6	449.4	433.6	421.0	384.2	348.4	331.5	325.2	321.0	311.5	298.9
67.5°	345.2	361.0	353.6	337.8	326.3	296.8	287.3	281.0	278.9	271.5	261.0
70°	260.0	282.1	284.2	274.7	264.2	250.5	244.2	242.1	236.8	230.5	224.2
72.5°	187.3	212.6	213.7	213.7	207.3	207.3	201.0	197.9	197.9	191.6	184.2
75°	137.9	154.7	156.8	158.9	162.1	165.2	161.0	161.0	160.0	153.7	150.5
77.5°	91.6	106.3	111.6	118.9	123.1	123.1	125.2	127.3	125.2	122.1	120.0
80°	58.9	69.5	75.8	80.0	86.3	89.5	92.6	93.7	91.6	90.5	87.4
82.5°	38.9	42.1	45.3	50.5	57.9	63.1	63.1	62.1	64.2	63.1	62.1
85°	22.1	24.2	25.3	26.3	30.5	35.8	36.8	37.9	40.0	37.9	35.8
87.5°	8.4	9.5	9.5	9.5	11.6	12.6	15.8	20.0	18.9	16.8	16.8
90°	17.8	14.5	12.8	11.5	8.9	6.4	3.8	1.2	3.8	6.4	8.9
92.5°	23.2	20.9	19.7	20.5	22.0	23.6	25.1	26.7	25.1	23.6	22.0
95°	27.5	24.6	23.2	28.5	39.1	49.6	60.2	70.8	60.2	49.6	39.1
97.5°	76.7	89.8	96.4	100.0	107.2	114.5	121.7	128.9	121.7	114.5	107.2
100°	159.0	199.3	219.4	216.8	211.7	206.5	201.4	196.2	201.4	206.5	211.7
102.5°	220.6	265.5	287.9	286.2	282.9	279.5	276.2	272.8	276.2	279.5	282.9
105°	323.9	347.1	358.7	357.3	354.5	351.6	348.8	346.0	348.8	351.6	354.5
107.5°	440.0	436.1	434.2	433.0	430.7	428.4	426.1	423.8	426.1	428.4	430.7
110°	515.1	512.2	510.8	509.8	507.7	505.6	503.6	501.5	503.6	505.6	507.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	588.2	585.4	584.0	583.1	581.3	579.4	577.6	575.8	577.6	579.4	581.3
115°	659.4	657.1	655.9	655.1	653.6	652.1	650.5	649.0	650.5	652.1	653.6
117.5°	731.0	729.7	729.1	728.2	726.4	724.6	722.8	721.0	722.8	724.6	726.4
120°	798.8	798.0	797.6	796.4	794.1	791.8	789.4	787.1	789.4	791.8	794.1
122.5°	864.1	863.1	862.6	861.7	859.9	858.1	856.3	854.5	856.3	858.1	859.9
125°	925.7	924.6	924.1	923.1	921.0	918.9	916.9	914.8	916.9	918.9	921.0
127.5°	986.4	985.1	984.5	983.5	981.4	979.3	977.3	975.2	977.3	979.3	981.4
130°	1041.8	1040.7	1040.2	1039.2	1037.1	1035.0	1033.0	1030.9	1033.0	1035.0	1037.1
132.5°	1094.8	1094.0	1093.6	1092.6	1090.5	1088.4	1086.4	1084.3	1086.4	1088.4	1090.5
135°	1147.4	1146.4	1145.9	1145.1	1143.6	1142.0	1140.5	1138.9	1140.5	1142.0	1143.6
137.5°	1195.4	1194.9	1194.6	1193.6	1191.5	1189.4	1187.4	1185.3	1187.4	1189.4	1191.5
140°	1239.9	1239.1	1238.7	1237.9	1236.4	1234.9	1233.3	1231.8	1233.3	1234.9	1236.4
142.5°	1282.9	1282.1	1281.7	1280.9	1279.4	1277.8	1276.3	1274.7	1276.3	1277.8	1279.4
145°	1323.1	1322.6	1322.3	1321.4	1319.6	1317.8	1316.0	1314.2	1316.0	1317.8	1319.6
147.5°	1359.1	1358.6	1358.3	1357.7	1356.4	1355.1	1353.8	1352.5	1353.8	1355.1	1356.4
150°	1391.6	1391.1	1390.8	1390.4	1389.6	1388.9	1388.1	1387.3	1388.1	1388.9	1389.6
152.5°	1420.3	1420.0	1419.9	1419.8	1419.5	1419.2	1419.0	1418.7	1419.0	1419.2	1419.5
155°	1445.8	1445.5	1445.4	1445.7	1446.2	1446.7	1447.2	1447.7	1447.2	1446.7	1446.2
157.5°	1470.5	1470.8	1470.9	1470.9	1470.9	1470.9	1470.9	1470.9	1470.9	1470.9	1470.9
160°	1490.3	1490.6	1490.7	1490.8	1491.1	1491.3	1491.6	1491.8	1491.6	1491.3	1491.1
162.5°	1507.7	1508.0	1508.1	1508.5	1509.3	1510.0	1510.8	1511.6	1510.8	1510.0	1509.3
165°	1522.8	1523.1	1523.2	1523.6	1524.4	1525.1	1525.9	1526.7	1525.9	1525.1	1524.4
167.5°	1534.8	1534.8	1534.8	1535.3	1536.3	1537.4	1538.4	1539.4	1538.4	1537.4	1536.3
170°	1545.2	1545.2	1545.2	1545.7	1546.8	1547.8	1548.9	1549.9	1548.9	1547.8	1546.8
172.5°	1551.4	1551.1	1551.0	1551.6	1552.9	1554.2	1555.5	1556.8	1555.5	1554.2	1552.9
175°	1557.2	1556.9	1556.8	1557.5	1558.8	1560.1	1561.4	1562.7	1561.4	1560.1	1558.8
177.5°	1559.6	1559.3	1559.2	1559.8	1561.1	1562.4	1563.7	1565.0	1563.7	1562.4	1561.1
180°	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1213.5	1208.2	1206.1	1200.9	1188.2	1179.8	1170.4	1164.0	1165.1	1159.8	1163.0
5°	1175.6	1174.6	1167.2	1156.7	1138.8	1129.3	1112.5	1104.0	1099.8	1100.9	1094.6
7.5°	1144.0	1134.6	1129.3	1112.5	1095.6	1075.6	1061.9	1054.6	1048.3	1041.9	1037.7
10°	1108.3	1099.8	1091.4	1073.5	1050.4	1031.4	1012.5	1005.1	995.6	991.4	988.3
12.5°	1070.4	1065.1	1054.6	1033.5	1007.2	989.3	967.2	963.0	950.4	942.0	939.9
15°	1035.6	1032.5	1013.5	989.3	963.0	945.1	926.2	913.5	892.5	896.7	889.3
17.5°	998.8	985.1	973.5	940.9	928.3	900.9	878.8	872.5	857.8	848.3	838.8
20°	957.8	949.3	934.6	913.5	883.0	851.5	834.6	824.1	815.7	800.9	796.7
22.5°	918.8	908.3	895.7	868.3	842.0	815.7	792.5	783.0	772.5	762.0	755.7
25°	888.3	872.5	858.8	825.1	798.8	776.7	762.0	746.2	731.5	725.2	723.0
27.5°	840.9	831.5	817.8	786.2	762.0	737.8	724.1	713.6	697.8	690.4	684.1
30°	810.4	791.5	775.7	750.4	726.2	699.9	687.3	674.6	665.2	655.7	648.3
32.5°	769.4	754.6	742.0	716.7	692.5	668.3	654.6	635.7	630.4	623.1	614.6
35°	729.4	719.9	706.2	678.8	652.5	635.7	621.0	603.1	596.8	591.5	584.1
37.5°	691.5	677.8	668.3	642.0	618.9	598.9	587.3	572.5	568.3	562.0	556.8
40°	658.8	645.2	635.7	609.4	585.2	564.1	556.8	542.0	535.7	528.3	525.2
42.5°	622.0	610.4	597.8	578.9	553.6	532.6	517.8	509.4	501.0	497.8	491.5
45°	583.1	572.5	563.1	542.0	515.7	501.0	488.3	476.8	470.5	465.2	461.0
47.5°	549.4	539.9	527.3	504.1	483.1	469.4	456.8	445.2	438.9	432.6	427.3
50°	510.5	505.2	491.5	469.4	449.4	433.6	422.0	411.5	407.3	399.9	391.5
52.5°	475.7	466.2	454.7	436.8	418.9	399.9	384.2	377.8	370.5	366.3	358.9
55°	434.7	428.4	415.7	399.9	381.0	365.2	353.6	345.2	335.7	331.5	322.1
57.5°	399.9	388.4	382.0	362.1	344.2	328.4	320.0	311.5	301.0	294.7	290.5
60°	362.1	351.5	342.1	325.2	312.6	295.7	283.1	275.7	268.4	260.0	255.8
62.5°	325.2	316.8	305.2	291.5	275.7	262.1	252.6	242.1	237.9	229.4	226.3
65°	285.2	278.9	269.4	253.6	241.0	229.4	220.0	211.5	207.3	204.2	202.1
67.5°	249.4	241.0	234.7	221.0	207.3	197.9	192.6	187.3	182.1	178.9	175.8
70°	212.6	206.3	200.0	187.3	177.9	169.4	165.2	161.0	157.9	154.7	151.6
72.5°	174.7	171.6	165.2	156.8	149.5	143.1	140.0	134.7	131.6	126.3	124.2
75°	144.2	138.9	135.8	128.4	122.1	116.8	112.6	106.3	102.1	100.0	98.9
77.5°	113.7	111.6	107.4	101.0	97.9	92.6	86.3	84.2	82.1	82.1	81.0
80°	85.3	82.1	78.9	73.7	70.5	66.3	66.3	66.3	65.3	66.3	65.3
82.5°	57.9	55.8	53.7	50.5	49.5	49.5	50.5	50.5	50.5	50.5	50.5
85°	33.7	33.7	33.7	34.7	33.7	33.7	34.7	35.8	34.7	34.7	33.7
87.5°	15.8	15.8	16.8	16.8	17.9	17.9	17.9	17.9	17.9	17.9	18.9
90°	11.5	12.8	14.5	17.8	21.2	24.5	27.9	28.9	29.9	31.0	32.0
92.5°	20.5	19.7	20.9	23.2	25.5	27.9	30.2	32.0	33.8	35.6	37.4
95°	28.5	23.2	24.6	27.5	30.3	33.2	36.0	37.8	39.6	41.4	43.2
97.5°	100.0	96.4	89.8	76.7	63.5	50.4	37.2	39.2	41.3	43.3	45.4
100°	216.8	219.4	199.3	159.0	118.8	78.5	38.3	40.4	42.4	44.5	46.6
102.5°	286.2	287.9	265.5	220.6	175.7	130.8	85.9	77.4	68.9	60.4	51.9
105°	357.3	358.7	347.1	323.9	300.7	277.5	254.3	208.6	163.0	117.3	71.6
107.5°	433.0	434.2	436.1	440.0	443.9	447.7	451.6	411.9	372.1	332.4	292.7
110°	509.8	510.8	512.2	515.1	517.9	520.8	523.6	515.1	506.6	498.1	489.6

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	583.1	584.0	585.4	588.2	591.1	593.9	596.7	599.0	601.4	603.7	606.0
115°	655.1	655.9	657.1	659.4	661.7	664.1	666.4	669.0	671.6	674.1	676.7
117.5°	728.2	729.1	729.7	731.0	732.3	733.6	734.9	737.0	739.0	741.1	743.2
120°	796.4	797.6	798.0	798.8	799.5	800.3	801.1	803.2	805.2	807.3	809.4
122.5°	861.7	862.6	863.1	864.1	865.2	866.2	867.2	868.5	869.8	871.1	872.4
125°	923.1	924.1	924.6	925.7	926.7	927.8	928.8	929.3	929.8	930.3	930.8
127.5°	983.5	984.5	985.1	986.4	987.7	989.0	990.3	991.1	991.9	992.6	993.4
130°	1039.2	1040.2	1040.7	1041.8	1042.8	1043.9	1044.9	1045.9	1046.9	1048.0	1049.0
132.5°	1092.6	1093.6	1094.0	1094.8	1095.5	1096.3	1097.1	1098.1	1099.2	1100.2	1101.3
135°	1145.1	1145.9	1146.4	1147.4	1148.5	1149.5	1150.5	1151.3	1152.1	1152.8	1153.6
137.5°	1193.6	1194.6	1194.9	1195.4	1195.9	1196.5	1197.0	1198.3	1199.6	1200.9	1202.2
140°	1237.9	1238.7	1239.1	1239.9	1240.6	1241.4	1242.2	1243.2	1244.3	1245.3	1246.4
142.5°	1280.9	1281.7	1282.1	1282.9	1283.6	1284.4	1285.2	1286.0	1286.8	1287.5	1288.3
145°	1321.4	1322.3	1322.6	1323.1	1323.6	1324.2	1324.7	1325.2	1325.7	1326.2	1326.7
147.5°	1357.7	1358.3	1358.6	1359.1	1359.6	1360.1	1360.6	1361.1	1361.7	1362.2	1362.7
150°	1390.4	1390.8	1391.1	1391.6	1392.1	1392.7	1393.2	1393.7	1394.2	1394.7	1395.2
152.5°	1419.8	1419.9	1420.0	1420.3	1420.5	1420.8	1421.0	1422.0	1423.1	1424.1	1425.2
155°	1445.7	1445.4	1445.5	1445.8	1446.1	1446.3	1446.6	1447.9	1449.2	1450.5	1451.8
157.5°	1470.9	1470.9	1470.8	1470.5	1470.3	1470.0	1469.8	1471.3	1472.9	1474.4	1475.9
160°	1490.8	1490.7	1490.6	1490.3	1490.0	1489.8	1489.5	1491.1	1492.6	1494.2	1495.7
162.5°	1508.5	1508.1	1508.0	1507.7	1507.4	1507.2	1506.9	1508.7	1510.5	1512.4	1514.2
165°	1523.6	1523.2	1523.1	1522.8	1522.5	1522.3	1522.0	1524.1	1526.1	1528.2	1530.3
167.5°	1535.3	1534.8	1534.8	1534.8	1534.8	1534.8	1534.8	1536.9	1538.9	1541.0	1543.1
170°	1545.7	1545.2	1545.2	1545.2	1545.2	1545.2	1545.2	1547.3	1549.3	1551.4	1553.5
172.5°	1551.6	1551.0	1551.1	1551.4	1551.7	1551.9	1552.2	1554.3	1556.3	1558.4	1560.5
175°	1557.5	1556.8	1556.9	1557.2	1557.5	1557.7	1558.0	1559.8	1561.6	1563.4	1565.2
177.5°	1559.8	1559.2	1559.3	1559.6	1559.8	1560.1	1560.3	1562.4	1564.4	1566.5	1568.6
180°	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1161.9	1163.0	1159.8	1153.5	1152.5	1154.6	1160.9	1158.8	1153.5	1163.0	1154.6
5°	1097.7	1092.5	1090.4	1092.5	1086.2	1083.0	1089.3	1086.2	1089.3	1090.4	1093.5
7.5°	1035.6	1036.7	1030.4	1031.4	1023.0	1025.1	1025.1	1025.1	1028.3	1030.4	1034.6
10°	982.0	984.1	976.7	977.7	971.4	967.2	970.4	976.7	976.7	976.7	978.8
12.5°	938.8	929.3	924.1	923.0	915.7	913.5	919.9	922.0	927.2	927.2	930.4
15°	885.1	883.0	878.8	878.8	860.9	865.1	867.2	874.6	885.1	876.7	878.8
17.5°	836.7	831.5	826.2	824.1	822.0	815.7	824.1	823.0	829.3	830.4	833.6
20°	793.6	789.4	778.8	779.9	782.0	772.5	777.8	777.8	784.1	790.4	797.8
22.5°	751.5	747.3	742.0	744.1	737.8	735.7	735.7	740.9	748.3	753.6	752.5
25°	718.8	711.5	708.3	705.2	702.0	704.1	700.9	706.2	711.5	714.6	711.5
27.5°	682.0	678.8	672.5	669.4	664.1	666.2	668.3	672.5	675.7	675.7	678.8
30°	646.2	642.0	639.9	636.7	636.7	632.5	633.6	637.8	641.0	644.1	648.3
32.5°	611.5	608.3	605.2	605.2	603.1	602.0	601.0	607.3	607.3	613.6	613.6
35°	583.1	577.8	577.8	572.5	574.7	573.6	571.5	575.7	576.8	581.0	579.9
37.5°	551.5	551.5	549.4	544.1	539.9	541.0	546.2	546.2	549.4	548.3	551.5
40°	519.9	517.8	517.8	514.7	513.6	512.6	513.6	514.7	519.9	518.9	519.9
42.5°	488.3	489.4	484.1	484.1	484.1	481.0	482.0	483.1	485.2	487.3	490.5
45°	457.8	455.7	454.7	452.6	450.5	451.5	450.5	454.7	453.6	455.7	458.9
47.5°	425.2	422.0	421.0	416.8	416.8	418.9	417.8	421.0	422.0	425.2	423.1
50°	393.6	389.4	386.3	387.3	381.0	383.1	383.1	386.3	389.4	390.5	392.6
52.5°	356.8	355.7	354.7	349.4	348.4	347.3	348.4	349.4	353.6	356.8	357.8
55°	321.0	320.0	313.6	311.5	308.4	308.4	310.5	311.5	318.9	320.0	324.2
57.5°	288.4	285.2	277.9	276.8	276.8	276.8	273.6	277.9	280.0	285.2	285.2
60°	252.6	252.6	246.3	246.3	247.3	246.3	246.3	247.3	247.3	251.5	253.6
62.5°	224.2	223.1	223.1	221.0	220.0	221.0	220.0	220.0	221.0	224.2	227.3
65°	198.9	197.9	196.8	195.8	193.7	193.7	194.7	196.8	196.8	198.9	200.0
67.5°	174.7	174.7	172.6	172.6	171.6	170.5	171.6	170.5	174.7	174.7	175.8
70°	150.5	149.5	146.3	145.2	142.1	143.1	143.1	146.3	147.3	149.5	151.6
72.5°	121.0	121.0	118.9	116.8	117.9	115.8	115.8	116.8	116.8	120.0	121.0
75°	100.0	97.9	96.8	97.9	96.8	98.9	96.8	96.8	98.9	98.9	98.9
77.5°	82.1	82.1	81.0	81.0	82.1	81.0	82.1	82.1	82.1	81.0	82.1
80°	67.4	66.3	66.3	66.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
82.5°	50.5	50.5	49.5	50.5	50.5	49.5	50.5	49.5	49.5	50.5	50.5
85°	33.7	35.8	33.7	33.7	34.7	34.7	35.8	34.7	35.8	33.7	34.7
87.5°	17.9	18.9	18.9	17.9	17.9	18.9	18.9	18.9	20.0	17.9	18.9
90°	32.5	32.8	33.3	33.8	34.3	34.8	34.3	33.8	33.3	32.8	32.5
92.5°	38.3	38.4	38.7	39.0	39.2	39.5	39.2	39.0	38.7	38.4	38.3
95°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
97.5°	46.4	46.5	46.8	47.1	47.3	47.6	47.3	47.1	46.8	46.5	46.4
100°	47.6	47.7	48.0	48.3	48.5	48.8	48.5	48.3	48.0	47.7	47.6
102.5°	47.6	47.9	48.4	48.9	49.4	49.9	49.4	48.9	48.4	47.9	47.6
105°	48.8	49.1	49.6	50.1	50.6	51.1	50.6	50.1	49.6	49.1	48.8
107.5°	272.8	255.9	222.1	188.3	154.5	120.7	154.5	188.3	222.1	255.9	272.8
110°	485.3	466.9	430.0	393.1	356.2	319.3	356.2	393.1	430.0	466.9	485.3

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	607.2	606.9	606.4	605.9	605.4	604.9	605.4	605.9	606.4	606.9	607.2
115°	678.0	678.5	679.5	680.6	681.6	682.6	681.6	680.6	679.5	678.5	678.0
117.5°	744.2	744.3	744.6	744.8	745.1	745.3	745.1	744.8	744.6	744.3	744.2
120°	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4
122.5°	873.0	873.1	873.4	873.7	873.9	874.2	873.9	873.7	873.4	873.1	873.0
125°	931.1	931.4	931.9	932.4	932.9	933.4	932.9	932.4	931.9	931.4	931.1
127.5°	993.8	993.5	993.0	992.5	992.0	991.5	992.0	992.5	993.0	993.5	993.8
130°	1049.5	1049.2	1048.7	1048.2	1047.7	1047.2	1047.7	1048.2	1048.7	1049.2	1049.5
132.5°	1101.8	1101.4	1100.6	1099.9	1099.1	1098.3	1099.1	1099.9	1100.6	1101.4	1101.8
135°	1154.0	1153.6	1152.8	1152.1	1151.3	1150.5	1151.3	1152.1	1152.8	1153.6	1154.0
137.5°	1202.8	1202.5	1202.0	1201.5	1200.9	1200.4	1200.9	1201.5	1202.0	1202.5	1202.8
140°	1246.9	1246.6	1246.1	1245.6	1245.0	1244.5	1245.0	1245.6	1246.1	1246.6	1246.9
142.5°	1288.7	1288.3	1287.5	1286.8	1286.0	1285.2	1286.0	1286.8	1287.5	1288.3	1288.7
145°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0
147.5°	1363.0	1362.4	1361.1	1359.8	1358.5	1357.2	1358.5	1359.8	1361.1	1362.4	1363.0
150°	1395.5	1395.1	1394.3	1393.6	1392.8	1392.0	1392.8	1393.6	1394.3	1395.1	1395.5
152.5°	1425.7	1425.1	1423.8	1422.5	1421.2	1419.9	1421.2	1422.5	1423.8	1425.1	1425.7
155°	1452.4	1451.6	1450.1	1448.5	1447.0	1445.4	1447.0	1448.5	1450.1	1451.6	1452.4
157.5°	1476.7	1475.7	1473.6	1471.6	1469.5	1467.5	1469.5	1471.6	1473.6	1475.7	1476.7
160°	1496.5	1495.6	1493.8	1492.0	1490.2	1488.4	1490.2	1492.0	1493.8	1495.6	1496.5
162.5°	1515.1	1514.3	1512.8	1511.2	1509.7	1508.1	1509.7	1511.2	1512.8	1514.3	1515.1
165°	1531.3	1530.4	1528.6	1526.8	1525.0	1523.2	1525.0	1526.8	1528.6	1530.4	1531.3
167.5°	1544.1	1543.1	1541.0	1538.9	1536.9	1534.8	1536.9	1538.9	1541.0	1543.1	1544.1
170°	1554.5	1553.5	1551.4	1549.3	1547.3	1545.2	1547.3	1549.3	1551.4	1553.5	1554.5
172.5°	1561.5	1560.3	1558.0	1555.7	1553.3	1551.0	1553.3	1555.7	1558.0	1560.3	1561.5
175°	1566.1	1565.1	1563.0	1560.9	1558.9	1556.8	1558.9	1560.9	1563.0	1565.1	1566.1
177.5°	1569.6	1568.3	1565.7	1563.2	1560.6	1558.0	1560.6	1563.2	1565.7	1568.3	1569.6
180°	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1163.0	1167.2	1163.0	1154.6	1163.0	1168.2	1173.5	1181.9	1186.1	1186.1	1192.5
5°	1096.7	1105.1	1101.9	1099.8	1108.3	1113.5	1121.9	1132.5	1144.0	1151.4	1159.8
7.5°	1037.7	1043.0	1048.3	1048.3	1056.7	1068.3	1080.9	1093.5	1108.3	1118.8	1125.1
10°	986.2	990.4	993.5	997.7	1010.4	1023.0	1039.8	1055.6	1068.3	1079.8	1090.4
12.5°	936.7	943.0	950.4	953.5	963.0	978.8	994.6	1013.5	1033.5	1045.1	1055.6
15°	889.3	892.5	900.9	910.4	918.8	935.6	955.6	975.6	992.5	1010.4	1019.8
17.5°	840.9	842.0	864.1	858.8	886.2	902.0	912.5	931.4	958.8	973.5	988.3
20°	793.6	804.1	813.6	818.8	833.6	851.5	882.0	896.7	918.8	932.5	945.1
22.5°	756.7	772.5	772.5	785.1	792.5	809.4	831.5	859.9	884.1	893.6	911.4
25°	724.1	731.5	744.1	748.3	762.0	776.7	791.5	822.0	848.3	860.9	873.6
27.5°	682.0	691.5	708.3	708.3	726.2	742.0	759.9	779.9	806.2	824.1	837.8
30°	649.4	658.8	666.2	677.8	685.2	699.9	731.5	746.2	769.4	785.1	802.0
32.5°	618.9	626.2	632.5	645.2	653.6	670.4	687.3	713.6	733.6	748.3	766.2
35°	585.2	592.5	601.0	610.4	623.1	638.9	654.6	676.7	696.7	710.4	725.2
37.5°	553.6	558.9	571.5	577.8	588.3	603.1	623.1	646.2	664.1	674.6	689.4
40°	523.1	527.3	536.8	548.3	555.7	567.3	588.3	608.3	630.4	643.1	654.6
42.5°	490.5	495.7	504.1	515.7	527.3	539.9	551.5	574.7	594.6	605.2	617.8
45°	462.0	465.2	471.5	483.1	494.7	504.1	522.0	543.1	562.0	570.4	584.1
47.5°	428.4	431.5	441.0	446.2	458.9	471.5	489.4	510.5	527.3	535.7	548.3
50°	393.6	396.8	403.1	414.7	423.1	436.8	452.6	470.5	491.5	503.1	510.5
52.5°	359.9	366.3	371.5	381.0	391.5	405.2	419.9	436.8	454.7	466.2	474.7
55°	326.3	331.5	337.8	343.1	355.7	368.4	385.2	401.0	416.8	427.3	436.8
57.5°	288.4	295.7	302.1	312.6	322.1	332.6	351.5	364.2	383.1	390.5	398.9
60°	255.8	263.1	268.4	276.8	285.2	298.9	311.5	327.3	343.1	352.6	363.1
62.5°	228.4	231.5	234.7	243.1	251.5	264.2	276.8	292.6	309.4	314.7	323.1
65°	201.0	204.2	209.4	216.8	223.1	230.5	244.2	256.8	272.6	281.0	284.2
67.5°	177.9	181.0	182.1	187.3	192.6	201.0	208.4	221.0	235.8	241.0	247.3
70°	151.6	156.8	157.9	162.1	164.2	169.4	177.9	187.3	198.9	208.4	213.7
72.5°	121.0	128.4	130.5	136.8	140.0	145.2	151.6	158.9	166.3	170.5	174.7
75°	98.9	101.0	102.1	107.4	112.6	120.0	123.1	127.3	133.7	138.9	143.1
77.5°	82.1	83.1	84.2	84.2	85.3	89.5	95.8	101.0	105.2	107.4	110.5
80°	66.3	65.3	65.3	66.3	66.3	66.3	68.4	75.8	77.9	83.1	82.1
82.5°	51.6	49.5	50.5	49.5	49.5	49.5	49.5	50.5	50.5	53.7	55.8
85°	33.7	34.7	33.7	33.7	32.6	33.7	32.6	32.6	31.6	31.6	30.5
87.5°	17.9	18.9	17.9	17.9	16.8	17.9	16.8	16.8	15.8	15.8	13.7
90°	32.0	31.0	29.9	28.9	27.9	24.5	21.2	17.8	14.5	12.8	11.5
92.5°	37.4	35.6	33.8	32.0	30.2	27.9	25.5	23.2	20.9	19.7	20.5
95°	43.2	41.4	39.6	37.8	36.0	33.2	30.3	27.5	24.6	23.2	28.5
97.5°	45.4	43.3	41.3	39.2	37.2	50.4	63.5	76.7	89.8	96.4	100.0
100°	46.6	44.5	42.4	40.4	38.3	78.5	118.8	159.0	199.3	219.4	216.8
102.5°	51.9	60.4	68.9	77.4	85.9	130.8	175.7	220.6	265.5	287.9	286.2
105°	71.6	117.3	163.0	208.6	254.3	277.5	300.7	323.9	347.1	358.7	357.3
107.5°	292.7	332.4	372.1	411.9	451.6	447.7	443.9	440.0	436.1	434.2	433.0
110°	489.6	498.1	506.6	515.1	523.6	520.8	517.9	515.1	512.2	510.8	509.8

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	606.0	603.7	601.4	599.0	596.7	593.9	591.1	588.2	585.4	584.0	583.1
115°	676.7	674.1	671.6	669.0	666.4	664.1	661.7	659.4	657.1	655.9	655.1
117.5°	743.2	741.1	739.0	737.0	734.9	733.6	732.3	731.0	729.7	729.1	728.2
120°	809.4	807.3	805.2	803.2	801.1	800.3	799.5	798.8	798.0	797.6	796.4
122.5°	872.4	871.1	869.8	868.5	867.2	866.2	865.2	864.1	863.1	862.6	861.7
125°	930.8	930.3	929.8	929.3	928.8	927.8	926.7	925.7	924.6	924.1	923.1
127.5°	993.4	992.6	991.9	991.1	990.3	989.0	987.7	986.4	985.1	984.5	983.5
130°	1049.0	1048.0	1046.9	1045.9	1044.9	1043.9	1042.8	1041.8	1040.7	1040.2	1039.2
132.5°	1101.3	1100.2	1099.2	1098.1	1097.1	1096.3	1095.5	1094.8	1094.0	1093.6	1092.6
135°	1153.6	1152.8	1152.1	1151.3	1150.5	1149.5	1148.5	1147.4	1146.4	1145.9	1145.1
137.5°	1202.2	1200.9	1199.6	1198.3	1197.0	1196.5	1195.9	1195.4	1194.9	1194.6	1193.6
140°	1246.4	1245.3	1244.3	1243.2	1242.2	1241.4	1240.6	1239.9	1239.1	1238.7	1237.9
142.5°	1288.3	1287.5	1286.8	1286.0	1285.2	1284.4	1283.6	1282.9	1282.1	1281.7	1280.9
145°	1326.7	1326.2	1325.7	1325.2	1324.7	1324.2	1323.6	1323.1	1322.6	1322.3	1321.4
147.5°	1362.7	1362.2	1361.7	1361.1	1360.6	1360.1	1359.6	1359.1	1358.6	1358.3	1357.7
150°	1395.2	1394.7	1394.2	1393.7	1393.2	1392.7	1392.1	1391.6	1391.1	1390.8	1390.4
152.5°	1425.2	1424.1	1423.1	1422.0	1421.0	1420.8	1420.5	1420.3	1420.0	1419.9	1419.8
155°	1451.8	1450.5	1449.2	1447.9	1446.6	1446.3	1446.1	1445.8	1445.5	1445.4	1445.7
157.5°	1475.9	1474.4	1472.9	1471.3	1469.8	1470.0	1470.3	1470.5	1470.8	1470.9	1470.9
160°	1495.7	1494.2	1492.6	1491.1	1489.5	1489.8	1490.0	1490.3	1490.6	1490.7	1490.8
162.5°	1514.2	1512.4	1510.5	1508.7	1506.9	1507.2	1507.4	1507.7	1508.0	1508.1	1508.5
165°	1530.3	1528.2	1526.1	1524.1	1522.0	1522.3	1522.5	1522.8	1523.1	1523.2	1523.6
167.5°	1543.1	1541.0	1538.9	1536.9	1534.8	1534.8	1534.8	1534.8	1534.8	1534.8	1535.3
170°	1553.5	1551.4	1549.3	1547.3	1545.2	1545.2	1545.2	1545.2	1545.2	1545.2	1545.7
172.5°	1560.5	1558.4	1556.3	1554.3	1552.2	1551.9	1551.7	1551.4	1551.1	1551.0	1551.6
175°	1565.2	1563.4	1561.6	1559.8	1558.0	1557.7	1557.5	1557.2	1556.9	1556.8	1557.5
177.5°	1568.6	1566.5	1564.4	1562.4	1560.3	1560.1	1559.8	1559.6	1559.3	1559.2	1559.8
180°	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7	1562.7

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1229.3	1229.3	1229.3	1229.3
2.5°	1197.7	1205.1	1219.8	1232.4
5°	1172.5	1184.0	1206.1	1228.2
7.5°	1141.9	1159.8	1188.2	1218.8
10°	1112.5	1135.6	1170.4	1206.1
12.5°	1083.0	1107.2	1144.0	1190.3
15°	1048.3	1073.5	1117.7	1173.5
17.5°	1017.7	1051.4	1091.4	1147.2
20°	985.1	1010.4	1061.9	1120.9
22.5°	944.1	986.2	1034.6	1096.7
25°	911.4	948.3	996.7	1067.2
27.5°	871.4	914.6	973.5	1035.6
30°	838.8	874.6	929.3	1004.1
32.5°	800.9	843.0	899.9	973.5
35°	767.3	803.0	856.7	931.4
37.5°	727.3	766.2	826.2	892.5
40°	692.5	730.4	787.3	849.3
42.5°	650.4	690.4	747.3	799.9
45°	616.7	653.6	698.8	747.3
47.5°	575.7	614.6	658.8	692.5
50°	538.9	574.7	609.4	637.8
52.5°	498.9	531.5	563.1	584.1
55°	462.0	487.3	512.6	527.3
57.5°	418.9	443.1	464.1	472.6
60°	381.0	401.0	414.7	424.1
62.5°	341.0	355.7	366.3	371.5
65°	302.1	312.6	317.8	323.1
67.5°	262.1	271.5	274.7	281.0
70°	220.0	230.5	232.6	235.8
72.5°	188.4	188.4	192.6	196.8
75°	150.5	152.6	154.7	154.7
77.5°	117.9	117.9	120.0	121.0
80°	86.3	87.4	87.4	86.3
82.5°	58.9	61.0	58.9	57.9
85°	32.6	36.8	34.7	34.7
87.5°	13.7	13.7	15.8	13.7
90°	8.9	6.4	3.8	1.2
92.5°	22.0	23.6	25.1	26.7
95°	39.1	49.6	60.2	70.8
97.5°	107.2	114.5	121.7	128.9
100°	211.7	206.5	201.4	196.2
102.5°	282.9	279.5	276.2	272.8
105°	354.5	351.6	348.8	346.0
107.5°	430.7	428.4	426.1	423.8
110°	507.7	505.6	503.6	501.5

TEST NUMBER: P1010980

CATALOG NUMBER: S123RDIP-B775D1195UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	581.3	579.4	577.6	575.8
115°	653.6	652.1	650.5	649.0
117.5°	726.4	724.6	722.8	721.0
120°	794.1	791.8	789.4	787.1
122.5°	859.9	858.1	856.3	854.5
125°	921.0	918.9	916.9	914.8
127.5°	981.4	979.3	977.3	975.2
130°	1037.1	1035.0	1033.0	1030.9
132.5°	1090.5	1088.4	1086.4	1084.3
135°	1143.6	1142.0	1140.5	1138.9
137.5°	1191.5	1189.4	1187.4	1185.3
140°	1236.4	1234.9	1233.3	1231.8
142.5°	1279.4	1277.8	1276.3	1274.7
145°	1319.6	1317.8	1316.0	1314.2
147.5°	1356.4	1355.1	1353.8	1352.5
150°	1389.6	1388.9	1388.1	1387.3
152.5°	1419.5	1419.2	1419.0	1418.7
155°	1446.2	1446.7	1447.2	1447.7
157.5°	1470.9	1470.9	1470.9	1470.9
160°	1491.1	1491.3	1491.6	1491.8
162.5°	1509.3	1510.0	1510.8	1511.6
165°	1524.4	1525.1	1525.9	1526.7
167.5°	1536.3	1537.4	1538.4	1539.4
170°	1546.8	1547.8	1548.9	1549.9
172.5°	1552.9	1554.2	1555.5	1556.8
175°	1558.8	1560.1	1561.4	1562.7
177.5°	1561.1	1562.4	1563.7	1565.0
180°	1562.7	1562.7	1562.7	1562.7

(END OF REPORT)