

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: P1010993

Luminaire Tested: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010993
REPORT IS A COMBINATION OF REPORTS P993609 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K
Description: Define 3 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

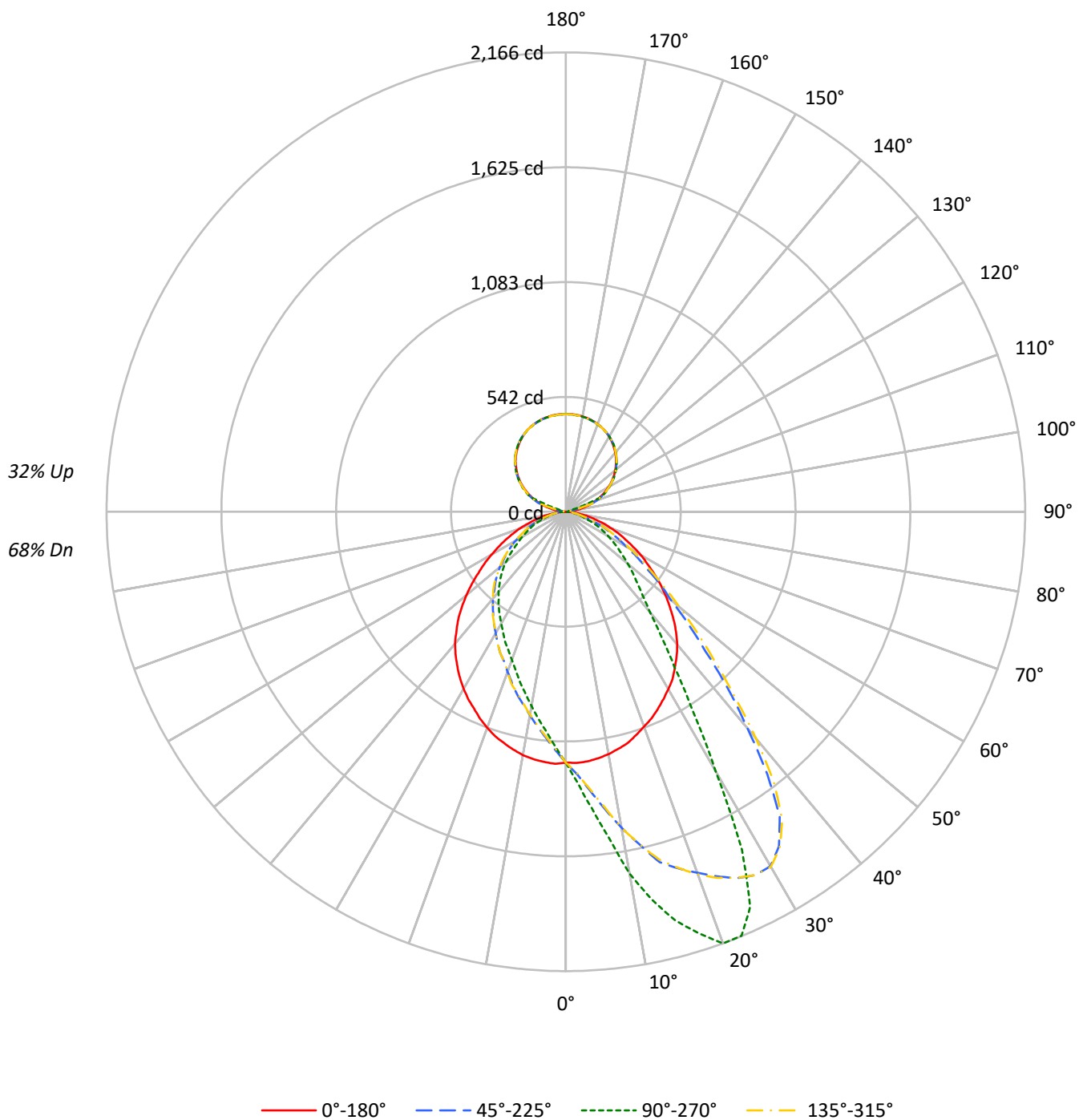
Lumens per Lamp: N/A
Luminaire Lumens: 4348.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
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: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

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	50	30	10
RCR																				
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72			68
1	103	98	95	91	97	93	90	87	83	81	78	74	72	70	65	64	63			59
2	94	87	81	76	89	82	77	73	74	70	66	66	63	60	58	56	54			50
3	86	77	70	64	81	73	67	62	66	61	57	59	55	52	52	50	47			44
4	79	69	61	55	75	65	58	53	59	53	49	53	49	45	47	44	41			38
5	73	62	54	48	69	59	52	46	53	47	43	48	43	40	43	39	36			34
6	68	56	48	42	64	53	46	41	48	42	38	44	39	35	39	35	32			30
7	63	51	43	37	59	48	41	36	44	38	34	40	35	31	36	32	29			27
8	59	46	39	33	55	44	37	32	40	34	30	37	32	28	33	29	26			24
9	55	43	35	30	52	41	34	29	37	31	27	34	29	26	31	27	24			22
10	51	39	32	27	49	38	31	26	34	29	25	32	27	23	29	25	22			20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12726	12726	12726	12726
5°	12736	14657	12768	10874
10°	12623	17694	12679	9498
15°	12494	20080	12494	8375
20°	12237	21660	12306	7429
25°	12050	20579	12026	6779
30°	11832	14258	11807	6143
35°	11569	9155	11517	5663
40°	11243	6464	11186	5186
45°	10674	5173	10659	4722
50°	9975	4327	9942	4179
55°	9188	3566	9116	3542
60°	8417	2948	8334	3013
65°	7513	2359	7561	2554
70°	6676	1639	6856	2065
75°	5660	1216	5892	1588
80°	4506	806	4891	1191
85°	3208	381	3496	740

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 16990 cd/sqm

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	2.7
10°-20°	363.5	8.4
20°-30°	572.4	13.2
30°-40°	595.2	13.7
40°-50°	509.2	11.7
50°-60°	388.3	8.9
60°-70°	248.7	5.7
70°-80°	119.2	2.7
80°-90°	32.3	0.7
90°-100°	16.2	0.4
100°-110°	78.5	1.8
110°-120°	192.3	4.4
120°-130°	244.1	5.6
130°-140°	260.8	6.0
140°-150°	243.8	5.6
150°-160°	196.7	4.5
160°-170°	126.9	2.9
170°-180°	43.7	1.0
0°-30°	1052.0	24.2
0°-40°	1647.2	37.9
0°-60°	2544.7	58.5
0°-90°	2944.9	67.7
90°-120°	287.0	6.6
90°-150°	1035.7	23.8
90°-180°	1403.0	32.3
0°-180°	4348.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1182	1182	1182	1182	1182	
5°	1181	1404	1184	1042	1181	112
15°	1129	1995	1129	832	1129	317
25°	1026	2056	1024	677	1026	473
35°	896	892	892	552	896	561
45°	719	476	718	434	719	553
55°	507	299	503	297	507	454
65°	311	172	313	186	311	310
75°	149	73	155	95	149	161
85°	33	17	36	33	33	37
90°	0	10	0	10	0	3
95°	21	13	21	13	21	25
105°	102	15	102	15	102	108
115°	191	201	191	201	191	189
125°	269	275	269	275	269	241
135°	335	339	335	339	335	258
145°	387	391	387	391	387	242
155°	426	426	426	426	426	196
165°	450	449	450	449	450	127
175°	460	458	460	458	460	44
180°	460	460	460	460	460	

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1185.3	1193.4	1199.5	1203.6	1213.7	1219.8	1224.8	1233.9	1233.9	1236.0	1240.0
5°	1181.3	1198.5	1210.6	1226.8	1248.1	1258.2	1272.4	1284.5	1301.7	1310.9	1320.0
7.5°	1172.2	1196.5	1221.8	1246.1	1277.5	1297.7	1311.9	1343.3	1365.5	1392.9	1414.1
10°	1160.0	1193.4	1225.8	1263.3	1305.8	1336.2	1357.4	1398.9	1441.4	1479.9	1512.3
12.5°	1144.8	1185.3	1231.9	1277.5	1337.2	1367.5	1402.0	1453.6	1514.3	1562.9	1606.4
15°	1128.7	1175.2	1227.9	1283.5	1358.4	1400.9	1450.5	1513.3	1581.1	1651.0	1710.7
17.5°	1103.3	1162.1	1220.8	1301.7	1389.8	1415.1	1457.6	1543.7	1627.7	1690.5	1763.3
20°	1078.0	1143.8	1217.7	1290.6	1385.8	1444.5	1484.0	1575.1	1665.1	1741.1	1810.9
22.5°	1054.8	1123.6	1200.5	1292.6	1381.7	1440.4	1490.0	1585.2	1689.4	1774.5	1860.5
25°	1026.4	1101.3	1186.4	1273.4	1381.7	1426.3	1480.9	1591.3	1701.6	1799.8	1906.1
27.5°	996.0	1072.0	1156.0	1245.1	1344.3	1410.1	1463.7	1582.1	1716.8	1822.0	1931.4
30°	965.7	1043.6	1124.6	1204.6	1315.9	1378.7	1440.4	1571.0	1724.9	1845.3	1929.3
32.5°	936.3	1002.1	1082.1	1160.0	1270.4	1339.2	1409.0	1559.9	1727.9	1829.1	1869.6
35°	895.8	964.7	1029.5	1112.5	1223.8	1291.6	1373.6	1558.9	1714.7	1777.5	1757.3
37.5°	858.4	916.1	977.8	1051.7	1166.1	1254.2	1339.2	1532.5	1671.2	1675.3	1560.9
40°	816.9	864.5	916.1	994.0	1117.5	1204.6	1296.7	1492.1	1592.3	1532.5	1331.1
42.5°	769.3	811.8	852.3	928.2	1062.9	1160.0	1259.2	1441.4	1477.9	1340.2	1130.7
45°	718.7	753.1	790.6	870.5	1005.2	1101.3	1200.5	1363.5	1326.0	1131.7	932.3
47.5°	666.1	695.4	731.9	804.7	943.4	1041.6	1135.7	1252.1	1157.0	948.5	781.5
50°	613.4	636.7	672.1	747.0	880.7	969.7	1056.8	1132.7	999.1	813.8	645.8
52.5°	561.8	580.0	616.5	680.2	809.8	894.8	957.6	986.9	851.3	672.1	560.8
55°	507.1	527.4	551.7	616.5	745.0	807.8	849.3	848.3	708.6	569.9	463.6
57.5°	454.5	472.7	494.0	558.8	663.0	705.5	741.0	723.8	591.2	466.6	397.8
60°	407.9	418.1	441.3	496.0	575.0	611.4	631.6	602.3	482.8	393.8	329.0
62.5°	357.3	367.4	386.7	438.3	486.9	506.1	523.3	485.9	398.8	320.9	281.4
65°	310.8	323.9	336.1	377.6	403.9	427.2	425.1	393.8	311.8	261.2	228.8
67.5°	270.3	275.3	285.5	310.8	322.9	340.1	341.1	305.7	251.0	212.6	193.3
70°	226.7	231.8	238.9	251.0	259.1	263.2	261.2	229.8	189.3	166.0	148.8
72.5°	189.3	188.3	193.3	193.3	201.4	200.4	194.4	170.1	143.7	124.5	114.4
75°	148.8	149.8	150.8	148.8	145.8	141.7	136.7	118.4	101.2	92.1	83.0
77.5°	116.4	114.4	115.4	108.3	104.3	100.2	93.1	84.0	69.8	67.8	63.8
80°	83.0	82.0	81.0	77.9	68.8	64.8	59.7	54.7	51.6	49.6	48.6
82.5°	55.7	55.7	53.6	47.6	42.5	39.5	38.5	36.4	33.4	33.4	32.4
85°	33.4	32.4	30.4	24.3	21.3	21.3	21.3	21.3	19.2	19.2	18.2
87.5°	13.2	12.1	9.1	9.1	8.1	8.1	8.1	7.1	7.1	6.1	6.1
90°	0.3	1.1	1.9	2.6	3.4	3.8	4.3	5.3	6.2	7.2	8.2
92.5°	7.9	7.4	7.0	6.5	6.0	5.8	6.1	6.8	7.5	8.2	8.9
95°	20.9	17.8	14.6	11.5	8.4	6.8	7.2	8.1	8.9	9.8	10.6
97.5°	38.0	35.9	33.7	31.6	29.5	28.4	26.5	22.6	18.7	14.8	10.9
100°	57.8	59.3	60.8	62.3	63.8	64.6	58.7	46.8	35.0	23.1	11.3
102.5°	80.4	81.4	82.4	83.3	84.3	84.8	78.2	65.0	51.7	38.5	25.3
105°	101.9	102.7	103.6	104.4	105.3	105.7	102.3	95.4	88.6	81.7	74.9
107.5°	124.8	125.5	126.2	126.9	127.6	127.9	128.5	129.6	130.7	131.9	133.0
110°	147.7	148.3	148.9	149.5	150.1	150.4	150.8	151.7	152.5	153.4	154.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	169.6	170.1	170.7	171.2	171.7	172.0	172.4	173.3	174.1	175.0	175.8
115°	191.1	191.6	192.0	192.5	193.0	193.2	193.5	194.2	194.9	195.6	196.3
117.5°	212.3	212.8	213.4	213.9	214.4	214.7	214.9	215.3	215.6	216.0	216.4
120°	231.8	232.5	233.2	233.9	234.6	234.9	235.0	235.2	235.5	235.7	235.9
122.5°	251.7	252.2	252.8	253.3	253.8	254.1	254.2	254.5	254.8	255.1	255.4
125°	269.4	270.0	270.6	271.3	271.9	272.2	272.3	272.6	272.9	273.2	273.5
127.5°	287.2	287.8	288.4	289.1	289.7	290.0	290.2	290.6	290.9	291.3	291.7
130°	303.6	304.2	304.8	305.5	306.1	306.4	306.5	306.8	307.1	307.4	307.7
132.5°	319.4	320.0	320.6	321.2	321.8	322.1	322.2	322.4	322.7	322.9	323.1
135°	335.4	335.9	336.3	336.8	337.3	337.5	337.7	338.0	338.3	338.6	338.9
137.5°	349.1	349.7	350.3	350.9	351.5	351.8	351.9	352.0	352.2	352.3	352.5
140°	362.8	363.2	363.7	364.1	364.6	364.8	364.9	365.2	365.4	365.7	365.9
142.5°	375.4	375.9	376.3	376.8	377.3	377.5	377.6	377.8	378.1	378.3	378.5
145°	387.1	387.6	388.2	388.7	389.2	389.5	389.6	389.7	389.8	390.0	390.1
147.5°	398.4	398.8	399.2	399.5	399.9	400.1	400.2	400.3	400.4	400.6	400.7
150°	408.6	408.8	409.0	409.3	409.5	409.6	409.7	409.8	410.0	410.1	410.3
152.5°	417.8	417.9	418.0	418.1	418.2	418.2	418.2	418.3	418.4	418.4	418.5
155°	426.4	426.2	426.1	425.9	425.8	425.7	425.7	425.8	425.9	425.9	426.0
157.5°	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.1	433.0	433.0	432.9
160°	439.4	439.3	439.2	439.1	439.0	439.0	439.0	438.9	438.8	438.8	438.7
162.5°	445.2	445.0	444.8	444.5	444.3	444.2	444.2	444.1	444.0	443.9	443.8
165°	449.6	449.4	449.2	448.9	448.7	448.6	448.6	448.5	448.4	448.4	448.3
167.5°	453.4	453.1	452.8	452.5	452.2	452.0	452.0	452.0	452.0	452.0	452.0
170°	456.5	456.2	455.9	455.6	455.3	455.1	455.1	455.1	455.1	455.1	455.1
172.5°	458.5	458.1	457.7	457.4	457.0	456.8	456.8	456.9	457.0	457.1	457.2
175°	460.2	459.8	459.4	459.1	458.7	458.5	458.5	458.6	458.7	458.8	458.9
177.5°	460.9	460.5	460.1	459.8	459.4	459.2	459.2	459.3	459.4	459.5	459.6
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1248.1	1248.1	1257.2	1266.3	1261.3	1264.3	1275.4	1271.4	1279.5	1278.5	1281.5
5°	1342.2	1353.4	1362.5	1381.7	1384.8	1381.7	1400.9	1406.0	1415.1	1404.0	1409.0
7.5°	1448.5	1471.8	1494.1	1522.4	1531.5	1533.6	1543.7	1557.8	1570.0	1547.7	1558.9
10°	1551.8	1587.2	1632.8	1658.1	1680.3	1688.4	1696.5	1705.6	1719.8	1733.0	1722.8
12.5°	1663.1	1714.7	1758.3	1803.8	1831.2	1828.1	1851.4	1857.5	1868.6	1871.6	1875.7
15°	1754.2	1827.1	1854.4	1922.3	1928.3	1948.6	1974.9	1998.2	2001.2	1995.1	1995.1
17.5°	1841.3	1904.0	1952.6	2007.3	2018.4	2035.6	2069.0	2080.2	2084.2	2083.2	2083.2
20°	1912.1	1953.6	2035.6	2081.2	2099.4	2121.7	2144.9	2159.1	2162.2	2166.2	2160.1
22.5°	1958.7	2021.5	2088.3	2125.7	2140.9	2149.0	2164.2	2168.2	2163.2	2164.2	2165.2
25°	1995.1	2056.9	2097.4	2107.5	2106.5	2096.4	2085.2	2066.0	2064.0	2055.9	2039.7
27.5°	2005.3	2028.5	2023.5	1982.0	1940.5	1936.4	1869.6	1833.2	1791.7	1797.7	1774.5
30°	1950.6	1920.2	1848.4	1743.1	1699.6	1628.7	1553.8	1475.9	1445.5	1412.1	1473.8
32.5°	1817.0	1708.7	1581.1	1444.5	1371.6	1308.8	1228.9	1172.2	1139.8	1112.5	1165.1
35°	1615.5	1446.5	1277.5	1147.9	1088.2	1031.5	956.6	928.2	887.7	891.8	896.8
37.5°	1356.4	1170.2	1042.6	915.1	875.6	852.3	797.6	754.1	740.0	735.9	735.9
40°	1113.5	960.6	847.2	747.0	716.7	697.4	653.9	633.7	618.5	614.4	619.5
42.5°	921.1	790.6	702.5	635.7	614.4	590.1	571.9	546.6	543.6	536.5	545.6
45°	773.4	660.0	594.2	545.6	527.4	518.3	498.0	482.8	476.8	475.8	482.8
47.5°	655.9	567.9	510.2	479.8	465.6	456.5	439.3	433.2	427.2	429.2	426.2
50°	550.7	484.9	447.4	420.1	411.0	401.9	390.7	384.7	381.6	381.6	380.6
52.5°	472.7	418.1	393.8	368.5	364.4	359.3	347.2	343.2	338.1	337.1	341.1
55°	404.9	367.4	343.2	328.0	323.9	313.8	308.7	303.7	300.6	298.6	299.6
57.5°	346.2	317.8	301.6	288.5	281.4	277.4	268.2	267.2	265.2	265.2	264.2
60°	297.6	277.4	258.1	250.0	245.0	239.9	238.9	232.8	229.8	231.8	230.8
62.5°	252.0	235.9	224.7	215.6	212.6	208.5	205.5	203.5	200.4	201.4	201.4
65°	210.5	197.4	189.3	181.2	180.2	176.1	175.1	173.1	173.1	172.1	174.1
67.5°	173.1	164.0	156.9	151.8	148.8	149.8	145.8	142.7	142.7	141.7	144.8
70°	137.7	132.6	125.5	119.4	115.4	115.4	110.3	109.3	109.3	109.3	108.3
72.5°	106.3	97.2	94.1	92.1	92.1	92.1	90.1	90.1	89.1	90.1	89.1
75°	79.0	77.9	75.9	74.9	74.9	73.9	72.9	72.9	72.9	72.9	72.9
77.5°	61.7	61.7	59.7	58.7	58.7	58.7	57.7	57.7	56.7	56.7	56.7
80°	45.6	45.6	43.5	43.5	43.5	42.5	42.5	42.5	43.5	42.5	42.5
82.5°	31.4	31.4	30.4	31.4	30.4	29.4	29.4	29.4	28.3	29.4	29.4
85°	18.2	18.2	17.2	16.2	17.2	17.2	16.2	17.2	16.2	17.2	16.2
87.5°	7.1	6.1	6.1	6.1	5.1	6.1	5.1	5.1	6.1	5.1	6.1
90°	8.5	8.8	9.1	9.4	9.6	9.7	9.8	10.0	10.1	10.3	10.1
92.5°	9.4	10.0	10.5	11.0	11.3	11.3	11.4	11.5	11.5	11.6	11.5
95°	11.1	11.7	12.2	12.7	13.0	13.0	13.0	13.0	13.0	13.0	13.0
97.5°	11.5	12.1	12.8	13.4	13.7	13.7	13.8	13.9	13.9	14.0	13.9
100°	11.9	12.5	13.1	13.7	14.0	14.0	14.1	14.2	14.3	14.4	14.3
102.5°	22.8	20.3	17.8	15.3	14.0	14.1	14.2	14.4	14.5	14.7	14.5
105°	61.5	48.0	34.6	21.1	14.4	14.5	14.6	14.7	14.9	15.0	14.9
107.5°	121.3	109.6	97.9	86.2	80.4	75.4	65.5	55.5	45.6	35.6	45.6
110°	151.7	149.2	146.7	144.2	142.9	137.5	126.6	115.7	104.9	94.0	104.9



TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	176.5	177.1	177.8	178.5	178.8	178.7	178.6	178.4	178.3	178.1	178.3
115°	197.1	197.8	198.6	199.3	199.7	199.9	200.2	200.5	200.8	201.1	200.8
117.5°	217.0	217.6	218.3	218.9	219.2	219.2	219.3	219.4	219.4	219.5	219.4
120°	236.5	237.1	237.8	238.4	238.7	238.7	238.7	238.7	238.7	238.7	238.7
122.5°	255.8	256.2	256.5	256.9	257.1	257.1	257.2	257.3	257.4	257.5	257.4
125°	273.7	273.8	274.0	274.1	274.2	274.3	274.4	274.6	274.7	274.9	274.7
127.5°	291.9	292.1	292.4	292.6	292.7	292.6	292.5	292.3	292.2	292.0	292.2
130°	308.0	308.3	308.6	308.9	309.1	309.0	308.9	308.7	308.6	308.4	308.6
132.5°	323.4	323.7	324.0	324.3	324.5	324.4	324.2	323.9	323.7	323.5	323.7
135°	339.1	339.3	339.6	339.8	339.9	339.8	339.6	339.3	339.1	338.9	339.1
137.5°	352.9	353.3	353.6	354.0	354.2	354.1	354.0	353.9	353.7	353.6	353.7
140°	366.2	366.5	366.8	367.1	367.2	367.1	367.0	366.9	366.7	366.6	366.7
142.5°	378.7	378.9	379.2	379.4	379.5	379.4	379.2	378.9	378.7	378.5	378.7
145°	390.3	390.4	390.6	390.7	390.8	390.8	390.8	390.8	390.8	390.8	390.8
147.5°	400.9	401.0	401.2	401.3	401.4	401.2	400.8	400.5	400.1	399.7	400.1
150°	410.5	410.6	410.8	410.9	411.0	410.9	410.7	410.4	410.2	410.0	410.2
152.5°	418.8	419.1	419.4	419.7	419.9	419.7	419.3	419.0	418.6	418.2	418.6
155°	426.4	426.8	427.2	427.6	427.8	427.6	427.1	426.6	426.2	425.7	426.2
157.5°	433.3	433.8	434.2	434.7	434.9	434.6	434.0	433.4	432.8	432.2	432.8
160°	439.1	439.6	440.0	440.5	440.7	440.4	439.9	439.4	438.9	438.4	438.9
162.5°	444.3	444.9	445.4	445.9	446.2	446.0	445.5	445.1	444.6	444.2	444.6
165°	448.9	449.5	450.1	450.7	451.0	450.7	450.2	449.7	449.1	448.6	449.1
167.5°	452.6	453.2	453.9	454.5	454.8	454.5	453.9	453.2	452.6	452.0	452.6
170°	455.7	456.3	456.9	457.5	457.8	457.5	456.9	456.3	455.7	455.1	455.7
172.5°	457.8	458.4	459.0	459.6	459.9	459.6	458.9	458.2	457.5	456.8	457.5
175°	459.4	460.0	460.5	461.0	461.3	461.0	460.4	459.7	459.1	458.5	459.1
177.5°	460.2	460.8	461.4	462.0	462.3	461.9	461.2	460.4	459.7	458.9	459.7
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1276.4	1270.4	1266.3	1263.3	1260.2	1269.4	1257.2	1244.1	1234.9	1228.9	1226.8
5°	1410.1	1396.9	1385.8	1376.7	1378.7	1378.7	1357.4	1334.1	1313.9	1302.8	1290.6
7.5°	1564.9	1550.8	1528.5	1523.4	1519.4	1494.1	1472.8	1430.3	1405.0	1379.7	1357.4
10°	1718.8	1700.6	1679.3	1672.2	1662.1	1630.7	1598.3	1543.7	1512.3	1465.7	1436.4
12.5°	1862.5	1840.3	1819.0	1813.9	1798.8	1771.4	1715.8	1659.1	1605.4	1555.8	1504.2
15°	1983.0	1976.9	1944.5	1924.3	1890.9	1853.4	1841.3	1764.3	1696.5	1644.9	1551.8
17.5°	2084.2	2055.9	2025.5	2012.3	1999.2	1955.7	1912.1	1833.2	1760.3	1684.4	1624.7
20°	2165.2	2133.8	2112.6	2093.3	2087.3	2037.7	1968.8	1899.0	1819.0	1734.0	1656.0
22.5°	2169.2	2165.2	2151.0	2139.9	2127.7	2095.3	2040.7	1953.6	1868.6	1775.5	1673.2
25°	2085.2	2079.2	2119.6	2109.5	2117.6	2105.5	2076.1	2003.2	1904.0	1794.7	1691.5
27.5°	1832.2	1893.9	1957.7	1980.0	1995.1	2038.7	2052.8	2012.3	1932.4	1816.0	1700.6
30°	1488.0	1570.0	1673.2	1728.9	1771.4	1852.4	1957.7	1970.8	1933.4	1840.3	1698.5
32.5°	1168.1	1243.0	1326.0	1391.8	1448.5	1614.5	1756.2	1858.5	1876.7	1828.1	1703.6
35°	941.4	973.8	1052.7	1115.5	1192.4	1334.1	1501.2	1666.2	1777.5	1783.6	1688.4
37.5°	776.4	793.6	862.4	897.9	943.4	1067.9	1223.8	1439.4	1612.5	1694.5	1645.9
40°	642.8	682.3	721.7	742.0	774.4	860.4	1010.2	1179.3	1393.9	1545.7	1580.1
42.5°	557.7	575.0	600.3	628.6	648.8	723.8	824.0	978.8	1172.2	1383.7	1478.9
45°	492.0	498.0	524.3	542.6	563.8	616.5	687.3	816.9	986.9	1195.5	1357.4
47.5°	437.3	449.4	463.6	474.7	488.9	529.4	590.1	684.3	834.1	1020.3	1194.5
50°	388.7	395.8	414.0	419.1	429.2	457.5	504.1	576.0	699.5	848.3	1028.4
52.5°	343.2	356.3	363.4	370.5	379.6	402.9	433.2	492.0	585.1	724.8	877.6
55°	307.7	311.8	321.9	328.0	335.1	351.2	377.6	421.1	494.0	605.3	750.1
57.5°	273.3	273.3	283.4	288.5	295.6	307.7	331.0	364.4	417.0	500.0	632.7
60°	236.9	237.9	246.0	252.0	254.1	266.2	285.5	311.8	352.3	413.0	521.3
62.5°	204.5	209.5	213.6	215.6	222.7	229.8	246.0	264.2	292.5	346.2	423.1
65°	177.1	178.2	181.2	183.2	186.3	194.4	206.5	218.6	242.9	282.4	345.2
67.5°	145.8	149.8	153.9	153.9	156.9	160.9	173.1	183.2	201.4	224.7	267.2
70°	109.3	111.3	117.4	120.5	124.5	131.6	137.7	143.7	157.9	175.1	207.5
72.5°	91.1	91.1	93.1	94.1	94.1	99.2	108.3	114.4	121.5	133.6	155.9
75°	72.9	72.9	75.9	74.9	76.9	79.0	80.0	84.0	88.1	97.2	110.3
77.5°	57.7	58.7	58.7	59.7	59.7	60.7	61.7	63.8	65.8	70.9	76.9
80°	42.5	43.5	43.5	44.5	44.5	45.6	46.6	47.6	49.6	51.6	54.7
82.5°	29.4	30.4	30.4	31.4	30.4	31.4	32.4	32.4	33.4	35.4	36.4
85°	17.2	17.2	18.2	17.2	17.2	17.2	18.2	18.2	19.2	22.3	22.3
87.5°	5.1	6.1	5.1	6.1	6.1	6.1	6.1	7.1	7.1	8.1	9.1
90°	10.0	9.8	9.7	9.6	9.4	9.1	8.8	8.5	8.2	7.2	6.2
92.5°	11.5	11.4	11.3	11.3	11.0	10.5	10.0	9.4	8.9	8.2	7.5
95°	13.0	13.0	13.0	13.0	12.7	12.2	11.7	11.1	10.6	9.8	8.9
97.5°	13.9	13.8	13.7	13.7	13.4	12.8	12.1	11.5	10.9	14.8	18.7
100°	14.2	14.1	14.0	14.0	13.7	13.1	12.5	11.9	11.3	23.1	35.0
102.5°	14.4	14.2	14.1	14.0	15.3	17.8	20.3	22.8	25.3	38.5	51.7
105°	14.7	14.6	14.5	14.4	21.1	34.6	48.0	61.5	74.9	81.7	88.6
107.5°	55.5	65.5	75.4	80.4	86.2	97.9	109.6	121.3	133.0	131.9	130.7
110°	115.7	126.6	137.5	142.9	144.2	146.7	149.2	151.7	154.2	153.4	152.5

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	178.4	178.6	178.7	178.8	178.5	177.8	177.1	176.5	175.8	175.0	174.1
115°	200.5	200.2	199.9	199.7	199.3	198.6	197.8	197.1	196.3	195.6	194.9
117.5°	219.4	219.3	219.2	219.2	218.9	218.3	217.6	217.0	216.4	216.0	215.6
120°	238.7	238.7	238.7	238.7	238.4	237.8	237.1	236.5	235.9	235.7	235.5
122.5°	257.3	257.2	257.1	257.1	256.9	256.5	256.2	255.8	255.4	255.1	254.8
125°	274.6	274.4	274.3	274.2	274.1	274.0	273.8	273.7	273.5	273.2	272.9
127.5°	292.3	292.5	292.6	292.7	292.6	292.4	292.1	291.9	291.7	291.3	290.9
130°	308.7	308.9	309.0	309.1	308.9	308.6	308.3	308.0	307.7	307.4	307.1
132.5°	323.9	324.2	324.4	324.5	324.3	324.0	323.7	323.4	323.1	322.9	322.7
135°	339.3	339.6	339.8	339.9	339.8	339.6	339.3	339.1	338.9	338.6	338.3
137.5°	353.9	354.0	354.1	354.2	354.0	353.6	353.3	352.9	352.5	352.3	352.2
140°	366.9	367.0	367.1	367.2	367.1	366.8	366.5	366.2	365.9	365.7	365.4
142.5°	378.9	379.2	379.4	379.5	379.4	379.2	378.9	378.7	378.5	378.3	378.1
145°	390.8	390.8	390.8	390.8	390.7	390.6	390.4	390.3	390.1	390.0	389.8
147.5°	400.5	400.8	401.2	401.4	401.3	401.2	401.0	400.9	400.7	400.6	400.4
150°	410.4	410.7	410.9	411.0	410.9	410.8	410.6	410.5	410.3	410.1	410.0
152.5°	419.0	419.3	419.7	419.9	419.7	419.4	419.1	418.8	418.5	418.4	418.4
155°	426.6	427.1	427.6	427.8	427.6	427.2	426.8	426.4	426.0	425.9	425.9
157.5°	433.4	434.0	434.6	434.9	434.7	434.2	433.8	433.3	432.9	433.0	433.0
160°	439.4	439.9	440.4	440.7	440.5	440.0	439.6	439.1	438.7	438.8	438.8
162.5°	445.1	445.5	446.0	446.2	445.9	445.4	444.9	444.3	443.8	443.9	444.0
165°	449.7	450.2	450.7	451.0	450.7	450.1	449.5	448.9	448.3	448.4	448.4
167.5°	453.2	453.9	454.5	454.8	454.5	453.9	453.2	452.6	452.0	452.0	452.0
170°	456.3	456.9	457.5	457.8	457.5	456.9	456.3	455.7	455.1	455.1	455.1
172.5°	458.2	458.9	459.6	459.9	459.6	459.0	458.4	457.8	457.2	457.1	457.0
175°	459.7	460.4	461.0	461.3	461.0	460.5	460.0	459.4	458.9	458.8	458.7
177.5°	460.4	461.2	461.9	462.3	462.0	461.4	460.8	460.2	459.6	459.5	459.4
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1223.8	1218.7	1213.7	1213.7	1202.5	1192.4	1187.4	1189.4	1183.3	1175.2	1167.1
5°	1277.5	1257.2	1253.2	1242.0	1226.8	1205.6	1194.5	1184.3	1172.2	1156.0	1140.8
7.5°	1327.1	1300.7	1286.6	1275.4	1246.1	1216.7	1192.4	1176.2	1155.0	1130.7	1112.5
10°	1391.8	1343.3	1328.1	1302.8	1261.3	1219.8	1191.4	1165.1	1135.7	1107.4	1083.1
12.5°	1443.5	1387.8	1359.4	1334.1	1280.5	1227.9	1180.3	1147.9	1112.5	1081.1	1049.7
15°	1502.2	1439.4	1389.8	1359.4	1291.6	1227.9	1174.2	1128.7	1089.2	1050.7	1023.4
17.5°	1530.5	1451.6	1429.3	1385.8	1287.6	1223.8	1158.0	1109.4	1061.8	1017.3	984.9
20°	1575.1	1482.9	1427.3	1397.9	1310.9	1216.7	1139.8	1084.1	1034.5	986.9	952.5
22.5°	1578.1	1477.9	1441.4	1385.8	1278.5	1195.5	1123.6	1055.8	998.1	953.5	918.1
25°	1571.0	1468.8	1418.2	1373.6	1284.5	1183.3	1091.2	1024.4	967.7	916.1	874.6
27.5°	1568.0	1442.5	1394.9	1350.3	1250.1	1147.9	1072.0	996.0	931.3	885.7	843.2
30°	1563.9	1414.1	1356.4	1304.8	1212.7	1120.6	1029.5	963.7	901.9	844.2	801.7
32.5°	1537.6	1375.6	1316.9	1262.3	1163.1	1071.0	999.1	929.2	862.4	808.8	770.3
35°	1529.5	1340.2	1263.3	1204.6	1107.4	1025.4	949.5	891.8	829.0	775.4	729.8
37.5°	1506.2	1303.8	1220.8	1145.9	1044.6	966.7	911.0	853.3	792.6	734.9	698.4
40°	1465.7	1261.3	1167.1	1090.2	985.9	907.0	855.3	812.8	753.1	701.5	656.9
42.5°	1406.0	1217.7	1116.5	1035.5	920.1	846.2	803.7	763.2	712.6	659.0	622.5
45°	1337.2	1160.0	1065.9	975.8	858.4	786.5	742.0	717.7	671.1	625.6	583.1
47.5°	1243.0	1100.3	1007.2	914.1	794.6	724.8	689.3	665.0	632.7	583.1	548.6
50°	1124.6	1023.4	935.3	852.3	731.9	665.0	629.6	611.4	584.1	548.6	515.2
52.5°	993.0	934.3	861.4	784.5	668.1	605.3	572.9	558.8	538.5	505.1	476.8
55°	860.4	835.1	785.5	709.6	601.3	549.6	521.3	503.1	487.9	463.6	439.3
57.5°	742.0	729.8	695.4	636.7	545.6	492.0	467.7	455.5	443.4	425.1	400.8
60°	619.5	632.7	597.2	567.9	484.9	438.3	417.0	403.9	397.8	381.6	366.4
62.5°	513.2	525.4	505.1	482.8	424.1	382.6	369.5	357.3	353.3	339.1	323.9
65°	417.0	432.2	417.0	404.9	369.5	335.1	318.9	312.8	308.7	299.6	287.5
67.5°	332.0	347.2	340.1	324.9	313.8	285.5	276.3	270.3	268.2	261.2	251.0
70°	250.0	271.3	273.3	264.2	254.1	240.9	234.8	232.8	227.8	221.7	215.6
72.5°	180.2	204.5	205.5	205.5	199.4	199.4	193.3	190.3	190.3	184.2	177.1
75°	132.6	148.8	150.8	152.8	155.9	158.9	154.9	154.9	153.9	147.8	144.8
77.5°	88.1	102.2	107.3	114.4	118.4	118.4	120.5	122.5	120.5	117.4	115.4
80°	56.7	66.8	72.9	76.9	83.0	86.0	89.1	90.1	88.1	87.1	84.0
82.5°	37.5	40.5	43.5	48.6	55.7	60.7	60.7	59.7	61.7	60.7	59.7
85°	21.3	23.3	24.3	25.3	29.4	34.4	35.4	36.4	38.5	36.4	34.4
87.5°	8.1	9.1	9.1	9.1	11.1	12.1	15.2	19.2	18.2	16.2	16.2
90°	5.3	4.3	3.8	3.4	2.6	1.9	1.1	0.3	1.1	1.9	2.6
92.5°	6.8	6.1	5.8	6.0	6.5	7.0	7.4	7.9	7.4	7.0	6.5
95°	8.1	7.2	6.8	8.4	11.5	14.6	17.8	20.9	17.8	14.6	11.5
97.5°	22.6	26.5	28.4	29.5	31.6	33.7	35.9	38.0	35.9	33.7	31.6
100°	46.8	58.7	64.6	63.8	62.3	60.8	59.3	57.8	59.3	60.8	62.3
102.5°	65.0	78.2	84.8	84.3	83.3	82.4	81.4	80.4	81.4	82.4	83.3
105°	95.4	102.3	105.7	105.3	104.4	103.6	102.7	101.9	102.7	103.6	104.4
107.5°	129.6	128.5	127.9	127.6	126.9	126.2	125.5	124.8	125.5	126.2	126.9
110°	151.7	150.8	150.4	150.1	149.5	148.9	148.3	147.7	148.3	148.9	149.5

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	173.3	172.4	172.0	171.7	171.2	170.7	170.1	169.6	170.1	170.7	171.2
115°	194.2	193.5	193.2	193.0	192.5	192.0	191.6	191.1	191.6	192.0	192.5
117.5°	215.3	214.9	214.7	214.4	213.9	213.4	212.8	212.3	212.8	213.4	213.9
120°	235.2	235.0	234.9	234.6	233.9	233.2	232.5	231.8	232.5	233.2	233.9
122.5°	254.5	254.2	254.1	253.8	253.3	252.8	252.2	251.7	252.2	252.8	253.3
125°	272.6	272.3	272.2	271.9	271.3	270.6	270.0	269.4	270.0	270.6	271.3
127.5°	290.6	290.2	290.0	289.7	289.1	288.4	287.8	287.2	287.8	288.4	289.1
130°	306.8	306.5	306.4	306.1	305.5	304.8	304.2	303.6	304.2	304.8	305.5
132.5°	322.4	322.2	322.1	321.8	321.2	320.6	320.0	319.4	320.0	320.6	321.2
135°	338.0	337.7	337.5	337.3	336.8	336.3	335.9	335.4	335.9	336.3	336.8
137.5°	352.0	351.9	351.8	351.5	350.9	350.3	349.7	349.1	349.7	350.3	350.9
140°	365.2	364.9	364.8	364.6	364.1	363.7	363.2	362.8	363.2	363.7	364.1
142.5°	377.8	377.6	377.5	377.3	376.8	376.3	375.9	375.4	375.9	376.3	376.8
145°	389.7	389.6	389.5	389.2	388.7	388.2	387.6	387.1	387.6	388.2	388.7
147.5°	400.3	400.2	400.1	399.9	399.5	399.2	398.8	398.4	398.8	399.2	399.5
150°	409.8	409.7	409.6	409.5	409.3	409.0	408.8	408.6	408.8	409.0	409.3
152.5°	418.3	418.2	418.2	418.2	418.1	418.0	417.9	417.8	417.9	418.0	418.1
155°	425.8	425.7	425.7	425.8	425.9	426.1	426.2	426.4	426.2	426.1	425.9
157.5°	433.1	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2
160°	438.9	439.0	439.0	439.0	439.1	439.2	439.3	439.4	439.3	439.2	439.1
162.5°	444.1	444.2	444.2	444.3	444.5	444.8	445.0	445.2	445.0	444.8	444.5
165°	448.5	448.6	448.6	448.7	448.9	449.2	449.4	449.6	449.4	449.2	448.9
167.5°	452.0	452.0	452.0	452.2	452.5	452.8	453.1	453.4	453.1	452.8	452.5
170°	455.1	455.1	455.1	455.3	455.6	455.9	456.2	456.5	456.2	455.9	455.6
172.5°	456.9	456.8	456.8	457.0	457.4	457.7	458.1	458.5	458.1	457.7	457.4
175°	458.6	458.5	458.5	458.7	459.1	459.4	459.8	460.2	459.8	459.4	459.1
177.5°	459.3	459.2	459.2	459.4	459.8	460.1	460.5	460.9	460.5	460.1	459.8
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1167.1	1162.1	1160.0	1155.0	1142.8	1134.7	1125.6	1119.5	1120.6	1115.5	1118.5
5°	1130.7	1129.7	1122.6	1112.5	1095.2	1086.1	1069.9	1061.8	1057.8	1058.8	1052.7
7.5°	1100.3	1091.2	1086.1	1069.9	1053.7	1034.5	1021.4	1014.3	1008.2	1002.1	998.1
10°	1065.9	1057.8	1049.7	1032.5	1010.2	992.0	973.8	966.7	957.6	953.5	950.5
12.5°	1029.5	1024.4	1014.3	994.0	968.7	951.5	930.3	926.2	914.1	906.0	903.9
15°	996.0	993.0	974.8	951.5	926.2	909.0	890.8	878.6	858.4	862.4	855.3
17.5°	960.6	947.5	936.3	904.9	892.8	866.5	845.2	839.2	825.0	815.9	806.8
20°	921.1	913.0	898.9	878.6	849.3	818.9	802.7	792.6	784.5	770.3	766.3
22.5°	883.7	873.6	861.4	835.1	809.8	784.5	762.2	753.1	743.0	732.9	726.8
25°	854.3	839.2	826.0	793.6	768.3	747.0	732.9	717.7	703.5	697.4	695.4
27.5°	808.8	799.7	786.5	756.1	732.9	709.6	696.4	686.3	671.1	664.0	658.0
30°	779.4	761.2	746.0	721.7	698.4	673.1	661.0	648.8	639.7	630.6	623.5
32.5°	740.0	725.8	713.6	689.3	666.1	642.8	629.6	611.4	606.3	599.2	591.2
35°	701.5	692.4	679.2	652.9	627.6	611.4	597.2	580.0	573.9	568.9	561.8
37.5°	665.0	651.9	642.8	617.5	595.2	576.0	564.8	550.7	546.6	540.5	535.5
40°	633.7	620.5	611.4	586.1	562.8	542.6	535.5	521.3	515.2	508.1	505.1
42.5°	598.2	587.1	575.0	556.7	532.4	512.2	498.0	489.9	481.8	478.8	472.7
45°	560.8	550.7	541.6	521.3	496.0	481.8	469.7	458.5	452.5	447.4	443.4
47.5°	528.4	519.3	507.1	484.9	464.6	451.5	439.3	428.2	422.1	416.0	411.0
50°	490.9	485.9	472.7	451.5	432.2	417.0	405.9	395.8	391.7	384.7	376.6
52.5°	457.5	448.4	437.3	420.1	402.9	384.7	369.5	363.4	356.3	352.3	345.2
55°	418.1	412.0	399.8	384.7	366.4	351.2	340.1	332.0	322.9	318.9	309.7
57.5°	384.7	373.5	367.4	348.2	331.0	315.8	307.7	299.6	289.5	283.4	279.4
60°	348.2	338.1	329.0	312.8	300.6	284.4	272.3	265.2	258.1	250.0	246.0
62.5°	312.8	304.7	293.6	280.4	265.2	252.0	242.9	232.8	228.8	220.7	217.6
65°	274.3	268.2	259.1	244.0	231.8	220.7	211.6	203.5	199.4	196.4	194.4
67.5°	239.9	231.8	225.7	212.6	199.4	190.3	185.2	180.2	175.1	172.1	169.0
70°	204.5	198.4	192.3	180.2	171.1	163.0	158.9	154.9	151.8	148.8	145.8
72.5°	168.0	165.0	158.9	150.8	143.7	137.7	134.6	129.6	126.5	121.5	119.4
75°	138.7	133.6	130.6	123.5	117.4	112.4	108.3	102.2	98.2	96.2	95.2
77.5°	109.3	107.3	103.2	97.2	94.1	89.1	83.0	81.0	79.0	79.0	77.9
80°	82.0	79.0	75.9	70.9	67.8	63.8	63.8	63.8	62.8	63.8	62.8
82.5°	55.7	53.6	51.6	48.6	47.6	47.6	48.6	48.6	48.6	48.6	48.6
85°	32.4	32.4	32.4	33.4	32.4	32.4	33.4	34.4	33.4	33.4	32.4
87.5°	15.2	15.2	16.2	16.2	17.2	17.2	17.2	17.2	17.2	17.2	18.2
90°	3.4	3.8	4.3	5.3	6.2	7.2	8.2	8.5	8.8	9.1	9.4
92.5°	6.0	5.8	6.1	6.8	7.5	8.2	8.9	9.4	10.0	10.5	11.0
95°	8.4	6.8	7.2	8.1	8.9	9.8	10.6	11.1	11.7	12.2	12.7
97.5°	29.5	28.4	26.5	22.6	18.7	14.8	10.9	11.5	12.1	12.8	13.4
100°	63.8	64.6	58.7	46.8	35.0	23.1	11.3	11.9	12.5	13.1	13.7
102.5°	84.3	84.8	78.2	65.0	51.7	38.5	25.3	22.8	20.3	17.8	15.3
105°	105.3	105.7	102.3	95.4	88.6	81.7	74.9	61.5	48.0	34.6	21.1
107.5°	127.6	127.9	128.5	129.6	130.7	131.9	133.0	121.3	109.6	97.9	86.2
110°	150.1	150.4	150.8	151.7	152.5	153.4	154.2	151.7	149.2	146.7	144.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	171.7	172.0	172.4	173.3	174.1	175.0	175.8	176.5	177.1	177.8	178.5
115°	193.0	193.2	193.5	194.2	194.9	195.6	196.3	197.1	197.8	198.6	199.3
117.5°	214.4	214.7	214.9	215.3	215.6	216.0	216.4	217.0	217.6	218.3	218.9
120°	234.6	234.9	235.0	235.2	235.5	235.7	235.9	236.5	237.1	237.8	238.4
122.5°	253.8	254.1	254.2	254.5	254.8	255.1	255.4	255.8	256.2	256.5	256.9
125°	271.9	272.2	272.3	272.6	272.9	273.2	273.5	273.7	273.8	274.0	274.1
127.5°	289.7	290.0	290.2	290.6	290.9	291.3	291.7	291.9	292.1	292.4	292.6
130°	306.1	306.4	306.5	306.8	307.1	307.4	307.7	308.0	308.3	308.6	308.9
132.5°	321.8	322.1	322.2	322.4	322.7	322.9	323.1	323.4	323.7	324.0	324.3
135°	337.3	337.5	337.7	338.0	338.3	338.6	338.9	339.1	339.3	339.6	339.8
137.5°	351.5	351.8	351.9	352.0	352.2	352.3	352.5	352.9	353.3	353.6	354.0
140°	364.6	364.8	364.9	365.2	365.4	365.7	365.9	366.2	366.5	366.8	367.1
142.5°	377.3	377.5	377.6	377.8	378.1	378.3	378.5	378.7	378.9	379.2	379.4
145°	389.2	389.5	389.6	389.7	389.8	390.0	390.1	390.3	390.4	390.6	390.7
147.5°	399.9	400.1	400.2	400.3	400.4	400.6	400.7	400.9	401.0	401.2	401.3
150°	409.5	409.6	409.7	409.8	410.0	410.1	410.3	410.5	410.6	410.8	410.9
152.5°	418.2	418.2	418.2	418.3	418.4	418.4	418.5	418.8	419.1	419.4	419.7
155°	425.8	425.7	425.7	425.8	425.9	425.9	426.0	426.4	426.8	427.2	427.6
157.5°	433.2	433.2	433.2	433.1	433.0	433.0	432.9	433.3	433.8	434.2	434.7
160°	439.0	439.0	439.0	438.9	438.8	438.8	438.7	439.1	439.6	440.0	440.5
162.5°	444.3	444.2	444.2	444.1	444.0	443.9	443.8	444.3	444.9	445.4	445.9
165°	448.7	448.6	448.6	448.5	448.4	448.4	448.3	448.9	449.5	450.1	450.7
167.5°	452.2	452.0	452.0	452.0	452.0	452.0	452.0	452.6	453.2	453.9	454.5
170°	455.3	455.1	455.1	455.1	455.1	455.1	455.1	455.7	456.3	456.9	457.5
172.5°	457.0	456.8	456.8	456.9	457.0	457.1	457.2	457.8	458.4	459.0	459.6
175°	458.7	458.5	458.5	458.6	458.7	458.8	458.9	459.4	460.0	460.5	461.0
177.5°	459.4	459.2	459.2	459.3	459.4	459.5	459.6	460.2	460.8	461.4	462.0
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1117.5	1118.5	1115.5	1109.4	1108.4	1110.4	1116.5	1114.5	1109.4	1118.5	1110.4
5°	1055.8	1050.7	1048.7	1050.7	1044.6	1041.6	1047.7	1044.6	1047.7	1048.7	1051.7
7.5°	996.0	997.1	991.0	992.0	983.9	985.9	985.9	985.9	989.0	991.0	995.0
10°	944.4	946.4	939.4	940.4	934.3	930.3	933.3	939.4	939.4	939.4	941.4
12.5°	902.9	893.8	888.8	887.7	880.7	878.6	884.7	886.7	891.8	891.8	894.8
15°	851.3	849.3	845.2	845.2	828.0	832.1	834.1	841.2	851.3	843.2	845.2
17.5°	804.7	799.7	794.6	792.6	790.6	784.5	792.6	791.6	797.6	798.7	801.7
20°	763.2	759.2	749.1	750.1	752.1	743.0	748.0	748.0	754.1	760.2	767.3
22.5°	722.7	718.7	713.6	715.7	709.6	707.6	707.6	712.6	719.7	724.8	723.8
25°	691.4	684.3	681.2	678.2	675.2	677.2	674.2	679.2	684.3	687.3	684.3
27.5°	655.9	652.9	646.8	643.8	638.7	640.8	642.8	646.8	649.9	649.9	652.9
30°	621.5	617.5	615.4	612.4	612.4	608.4	609.4	613.4	616.5	619.5	623.5
32.5°	588.1	585.1	582.0	582.0	580.0	579.0	578.0	584.1	584.1	590.1	590.1
35°	560.8	555.7	555.7	550.7	552.7	551.7	549.6	553.7	554.7	558.8	557.7
37.5°	530.4	530.4	528.4	523.3	519.3	520.3	525.4	525.4	528.4	527.4	530.4
40°	500.0	498.0	498.0	495.0	494.0	493.0	494.0	495.0	500.0	499.0	500.0
42.5°	469.7	470.7	465.6	465.6	465.6	462.6	463.6	464.6	466.6	468.7	471.7
45°	440.3	438.3	437.3	435.3	433.2	434.3	433.2	437.3	436.3	438.3	441.3
47.5°	408.9	405.9	404.9	400.8	400.8	402.9	401.9	404.9	405.9	408.9	406.9
50°	378.6	374.5	371.5	372.5	366.4	368.5	368.5	371.5	374.5	375.5	377.6
52.5°	343.2	342.1	341.1	336.1	335.1	334.0	335.1	336.1	340.1	343.2	344.2
55°	308.7	307.7	301.6	299.6	296.6	296.6	298.6	299.6	306.7	307.7	311.8
57.5°	277.4	274.3	267.2	266.2	266.2	266.2	263.2	267.2	269.3	274.3	274.3
60°	242.9	242.9	236.9	236.9	237.9	236.9	236.9	237.9	237.9	241.9	244.0
62.5°	215.6	214.6	214.6	212.6	211.6	212.6	211.6	211.6	212.6	215.6	218.6
65°	191.3	190.3	189.3	188.3	186.3	186.3	187.3	189.3	189.3	191.3	192.3
67.5°	168.0	168.0	166.0	166.0	165.0	164.0	165.0	164.0	168.0	168.0	169.0
70°	144.8	143.7	140.7	139.7	136.7	137.7	137.7	140.7	141.7	143.7	145.8
72.5°	116.4	116.4	114.4	112.4	113.4	111.3	111.3	112.4	112.4	115.4	116.4
75°	96.2	94.1	93.1	94.1	93.1	95.2	93.1	93.1	95.2	95.2	95.2
77.5°	79.0	79.0	77.9	77.9	79.0	77.9	79.0	79.0	79.0	77.9	79.0
80°	64.8	63.8	63.8	63.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
82.5°	48.6	48.6	47.6	48.6	48.6	47.6	48.6	47.6	47.6	48.6	48.6
85°	32.4	34.4	32.4	32.4	33.4	33.4	34.4	33.4	34.4	32.4	33.4
87.5°	17.2	18.2	18.2	17.2	17.2	18.2	18.2	18.2	19.2	17.2	18.2
90°	9.6	9.7	9.8	10.0	10.1	10.3	10.1	10.0	9.8	9.7	9.6
92.5°	11.3	11.3	11.4	11.5	11.5	11.6	11.5	11.5	11.4	11.3	11.3
95°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
97.5°	13.7	13.7	13.8	13.9	13.9	14.0	13.9	13.9	13.8	13.7	13.7
100°	14.0	14.0	14.1	14.2	14.3	14.4	14.3	14.2	14.1	14.0	14.0
102.5°	14.0	14.1	14.2	14.4	14.5	14.7	14.5	14.4	14.2	14.1	14.0
105°	14.4	14.5	14.6	14.7	14.9	15.0	14.9	14.7	14.6	14.5	14.4
107.5°	80.4	75.4	65.5	55.5	45.6	35.6	45.6	55.5	65.5	75.4	80.4
110°	142.9	137.5	126.6	115.7	104.9	94.0	104.9	115.7	126.6	137.5	142.9

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	178.8	178.7	178.6	178.4	178.3	178.1	178.3	178.4	178.6	178.7	178.8
115°	199.7	199.9	200.2	200.5	200.8	201.1	200.8	200.5	200.2	199.9	199.7
117.5°	219.2	219.2	219.3	219.4	219.4	219.5	219.4	219.4	219.3	219.2	219.2
120°	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7
122.5°	257.1	257.1	257.2	257.3	257.4	257.5	257.4	257.3	257.2	257.1	257.1
125°	274.2	274.3	274.4	274.6	274.7	274.9	274.7	274.6	274.4	274.3	274.2
127.5°	292.7	292.6	292.5	292.3	292.2	292.0	292.2	292.3	292.5	292.6	292.7
130°	309.1	309.0	308.9	308.7	308.6	308.4	308.6	308.7	308.9	309.0	309.1
132.5°	324.5	324.4	324.2	323.9	323.7	323.5	323.7	323.9	324.2	324.4	324.5
135°	339.9	339.8	339.6	339.3	339.1	338.9	339.1	339.3	339.6	339.8	339.9
137.5°	354.2	354.1	354.0	353.9	353.7	353.6	353.7	353.9	354.0	354.1	354.2
140°	367.2	367.1	367.0	366.9	366.7	366.6	366.7	366.9	367.0	367.1	367.2
142.5°	379.5	379.4	379.2	378.9	378.7	378.5	378.7	378.9	379.2	379.4	379.5
145°	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8
147.5°	401.4	401.2	400.8	400.5	400.1	399.7	400.1	400.5	400.8	401.2	401.4
150°	411.0	410.9	410.7	410.4	410.2	410.0	410.2	410.4	410.7	410.9	411.0
152.5°	419.9	419.7	419.3	419.0	418.6	418.2	418.6	419.0	419.3	419.7	419.9
155°	427.8	427.6	427.1	426.6	426.2	425.7	426.2	426.6	427.1	427.6	427.8
157.5°	434.9	434.6	434.0	433.4	432.8	432.2	432.8	433.4	434.0	434.6	434.9
160°	440.7	440.4	439.9	439.4	438.9	438.4	438.9	439.4	439.9	440.4	440.7
162.5°	446.2	446.0	445.5	445.1	444.6	444.2	444.6	445.1	445.5	446.0	446.2
165°	451.0	450.7	450.2	449.7	449.1	448.6	449.1	449.7	450.2	450.7	451.0
167.5°	454.8	454.5	453.9	453.2	452.6	452.0	452.6	453.2	453.9	454.5	454.8
170°	457.8	457.5	456.9	456.3	455.7	455.1	455.7	456.3	456.9	457.5	457.8
172.5°	459.9	459.6	458.9	458.2	457.5	456.8	457.5	458.2	458.9	459.6	459.9
175°	461.3	461.0	460.4	459.7	459.1	458.5	459.1	459.7	460.4	461.0	461.3
177.5°	462.3	461.9	461.2	460.4	459.7	458.9	459.7	460.4	461.2	461.9	462.3
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1118.5	1122.6	1118.5	1110.4	1118.5	1123.6	1128.7	1136.8	1140.8	1140.8	1146.9
5°	1054.8	1062.9	1059.8	1057.8	1065.9	1071.0	1079.1	1089.2	1100.3	1107.4	1115.5
7.5°	998.1	1003.1	1008.2	1008.2	1016.3	1027.4	1039.6	1051.7	1065.9	1076.0	1082.1
10°	948.5	952.5	955.6	959.6	971.8	983.9	1000.1	1015.3	1027.4	1038.6	1048.7
12.5°	900.9	907.0	914.1	917.1	926.2	941.4	956.6	974.8	994.0	1005.2	1015.3
15°	855.3	858.4	866.5	875.6	883.7	899.9	919.1	938.4	954.5	971.8	980.9
17.5°	808.8	809.8	831.1	826.0	852.3	867.5	877.6	895.8	922.2	936.3	950.5
20°	763.2	773.4	782.5	787.5	801.7	818.9	848.3	862.4	883.7	896.8	909.0
22.5°	727.8	743.0	743.0	755.1	762.2	778.4	799.7	827.0	850.3	859.4	876.6
25°	696.4	703.5	715.7	719.7	732.9	747.0	761.2	790.6	815.9	828.0	840.2
27.5°	655.9	665.0	681.2	681.2	698.4	713.6	730.8	750.1	775.4	792.6	805.7
30°	624.6	633.7	640.8	651.9	659.0	673.1	703.5	717.7	740.0	755.1	771.3
32.5°	595.2	602.3	608.4	620.5	628.6	644.8	661.0	686.3	705.5	719.7	736.9
35°	562.8	569.9	578.0	587.1	599.2	614.4	629.6	650.9	670.1	683.3	697.4
37.5°	532.4	537.5	549.6	555.7	565.8	580.0	599.2	621.5	638.7	648.8	663.0
40°	503.1	507.1	516.2	527.4	534.5	545.6	565.8	585.1	606.3	618.5	629.6
42.5°	471.7	476.8	484.9	496.0	507.1	519.3	530.4	552.7	571.9	582.0	594.2
45°	444.4	447.4	453.5	464.6	475.8	484.9	502.1	522.3	540.5	548.6	561.8
47.5°	412.0	415.0	424.1	429.2	441.3	453.5	470.7	490.9	507.1	515.2	527.4
50°	378.6	381.6	387.7	398.8	406.9	420.1	435.3	452.5	472.7	483.9	490.9
52.5°	346.2	352.3	357.3	366.4	376.6	389.7	403.9	420.1	437.3	448.4	456.5
55°	313.8	318.9	324.9	330.0	342.1	354.3	370.5	385.7	400.8	411.0	420.1
57.5°	277.4	284.4	290.5	300.6	309.7	319.9	338.1	350.2	368.5	375.5	383.6
60°	246.0	253.1	258.1	266.2	274.3	287.5	299.6	314.8	330.0	339.1	349.2
62.5°	219.7	222.7	225.7	233.8	241.9	254.1	266.2	281.4	297.6	302.7	310.8
65°	193.3	196.4	201.4	208.5	214.6	221.7	234.8	247.0	262.2	270.3	273.3
67.5°	171.1	174.1	175.1	180.2	185.2	193.3	200.4	212.6	226.7	231.8	237.9
70°	145.8	150.8	151.8	155.9	157.9	163.0	171.1	180.2	191.3	200.4	205.5
72.5°	116.4	123.5	125.5	131.6	134.6	139.7	145.8	152.8	159.9	164.0	168.0
75°	95.2	97.2	98.2	103.2	108.3	115.4	118.4	122.5	128.6	133.6	137.7
77.5°	79.0	80.0	81.0	81.0	82.0	86.0	92.1	97.2	101.2	103.2	106.3
80°	63.8	62.8	62.8	63.8	63.8	63.8	65.8	72.9	74.9	80.0	79.0
82.5°	49.6	47.6	48.6	47.6	47.6	47.6	47.6	48.6	48.6	51.6	53.6
85°	32.4	33.4	32.4	32.4	31.4	32.4	31.4	31.4	30.4	30.4	29.4
87.5°	17.2	18.2	17.2	17.2	16.2	17.2	16.2	16.2	15.2	15.2	13.2
90°	9.4	9.1	8.8	8.5	8.2	7.2	6.2	5.3	4.3	3.8	3.4
92.5°	11.0	10.5	10.0	9.4	8.9	8.2	7.5	6.8	6.1	5.8	6.0
95°	12.7	12.2	11.7	11.1	10.6	9.8	8.9	8.1	7.2	6.8	8.4
97.5°	13.4	12.8	12.1	11.5	10.9	14.8	18.7	22.6	26.5	28.4	29.5
100°	13.7	13.1	12.5	11.9	11.3	23.1	35.0	46.8	58.7	64.6	63.8
102.5°	15.3	17.8	20.3	22.8	25.3	38.5	51.7	65.0	78.2	84.8	84.3
105°	21.1	34.6	48.0	61.5	74.9	81.7	88.6	95.4	102.3	105.7	105.3
107.5°	86.2	97.9	109.6	121.3	133.0	131.9	130.7	129.6	128.5	127.9	127.6
110°	144.2	146.7	149.2	151.7	154.2	153.4	152.5	151.7	150.8	150.4	150.1

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	178.5	177.8	177.1	176.5	175.8	175.0	174.1	173.3	172.4	172.0	171.7
115°	199.3	198.6	197.8	197.1	196.3	195.6	194.9	194.2	193.5	193.2	193.0
117.5°	218.9	218.3	217.6	217.0	216.4	216.0	215.6	215.3	214.9	214.7	214.4
120°	238.4	237.8	237.1	236.5	235.9	235.7	235.5	235.2	235.0	234.9	234.6
122.5°	256.9	256.5	256.2	255.8	255.4	255.1	254.8	254.5	254.2	254.1	253.8
125°	274.1	274.0	273.8	273.7	273.5	273.2	272.9	272.6	272.3	272.2	271.9
127.5°	292.6	292.4	292.1	291.9	291.7	291.3	290.9	290.6	290.2	290.0	289.7
130°	308.9	308.6	308.3	308.0	307.7	307.4	307.1	306.8	306.5	306.4	306.1
132.5°	324.3	324.0	323.7	323.4	323.1	322.9	322.7	322.4	322.2	322.1	321.8
135°	339.8	339.6	339.3	339.1	338.9	338.6	338.3	338.0	337.7	337.5	337.3
137.5°	354.0	353.6	353.3	352.9	352.5	352.3	352.2	352.0	351.9	351.8	351.5
140°	367.1	366.8	366.5	366.2	365.9	365.7	365.4	365.2	364.9	364.8	364.6
142.5°	379.4	379.2	378.9	378.7	378.5	378.3	378.1	377.8	377.6	377.5	377.3
145°	390.7	390.6	390.4	390.3	390.1	390.0	389.8	389.7	389.6	389.5	389.2
147.5°	401.3	401.2	401.0	400.9	400.7	400.6	400.4	400.3	400.2	400.1	399.9
150°	410.9	410.8	410.6	410.5	410.3	410.1	410.0	409.8	409.7	409.6	409.5
152.5°	419.7	419.4	419.1	418.8	418.5	418.4	418.4	418.3	418.2	418.2	418.2
155°	427.6	427.2	426.8	426.4	426.0	425.9	425.9	425.8	425.7	425.7	425.8
157.5°	434.7	434.2	433.8	433.3	432.9	433.0	433.0	433.1	433.2	433.2	433.2
160°	440.5	440.0	439.6	439.1	438.7	438.8	438.8	438.9	439.0	439.0	439.0
162.5°	445.9	445.4	444.9	444.3	443.8	443.9	444.0	444.1	444.2	444.2	444.3
165°	450.7	450.1	449.5	448.9	448.3	448.4	448.4	448.5	448.6	448.6	448.7
167.5°	454.5	453.9	453.2	452.6	452.0	452.0	452.0	452.0	452.0	452.0	452.2
170°	457.5	456.9	456.3	455.7	455.1	455.1	455.1	455.1	455.1	455.1	455.3
172.5°	459.6	459.0	458.4	457.8	457.2	457.1	457.0	456.9	456.8	456.8	457.0
175°	461.0	460.5	460.0	459.4	458.9	458.8	458.7	458.6	458.5	458.5	458.7
177.5°	462.0	461.4	460.8	460.2	459.6	459.5	459.4	459.3	459.2	459.2	459.4
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1182.3	1182.3	1182.3	1182.3
2.5°	1151.9	1159.0	1173.2	1185.3
5°	1127.6	1138.8	1160.0	1181.3
7.5°	1098.3	1115.5	1142.8	1172.2
10°	1069.9	1092.2	1125.6	1160.0
12.5°	1041.6	1064.9	1100.3	1144.8
15°	1008.2	1032.5	1075.0	1128.7
17.5°	978.8	1011.2	1049.7	1103.3
20°	947.5	971.8	1021.4	1078.0
22.5°	908.0	948.5	995.0	1054.8
25°	876.6	912.0	958.6	1026.4
27.5°	838.1	879.6	936.3	996.0
30°	806.8	841.2	893.8	965.7
32.5°	770.3	810.8	865.5	936.3
35°	737.9	772.3	824.0	895.8
37.5°	699.5	736.9	794.6	858.4
40°	666.1	702.5	757.2	816.9
42.5°	625.6	664.0	718.7	769.3
45°	593.2	628.6	672.1	718.7
47.5°	553.7	591.2	633.7	666.1
50°	518.3	552.7	586.1	613.4
52.5°	479.8	511.2	541.6	561.8
55°	444.4	468.7	493.0	507.1
57.5°	402.9	426.2	446.4	454.5
60°	366.4	385.7	398.8	407.9
62.5°	328.0	342.1	352.3	357.3
65°	290.5	300.6	305.7	310.8
67.5°	252.0	261.2	264.2	270.3
70°	211.6	221.7	223.7	226.7
72.5°	181.2	181.2	185.2	189.3
75°	144.8	146.8	148.8	148.8
77.5°	113.4	113.4	115.4	116.4
80°	83.0	84.0	84.0	83.0
82.5°	56.7	58.7	56.7	55.7
85°	31.4	35.4	33.4	33.4
87.5°	13.2	13.2	15.2	13.2
90°	2.6	1.9	1.1	0.3
92.5°	6.5	7.0	7.4	7.9
95°	11.5	14.6	17.8	20.9
97.5°	31.6	33.7	35.9	38.0
100°	62.3	60.8	59.3	57.8
102.5°	83.3	82.4	81.4	80.4
105°	104.4	103.6	102.7	101.9
107.5°	126.9	126.2	125.5	124.8
110°	149.5	148.9	148.3	147.7

TEST NUMBER: P1010993

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	171.2	170.7	170.1	169.6
115°	192.5	192.0	191.6	191.1
117.5°	213.9	213.4	212.8	212.3
120°	233.9	233.2	232.5	231.8
122.5°	253.3	252.8	252.2	251.7
125°	271.3	270.6	270.0	269.4
127.5°	289.1	288.4	287.8	287.2
130°	305.5	304.8	304.2	303.6
132.5°	321.2	320.6	320.0	319.4
135°	336.8	336.3	335.9	335.4
137.5°	350.9	350.3	349.7	349.1
140°	364.1	363.7	363.2	362.8
142.5°	376.8	376.3	375.9	375.4
145°	388.7	388.2	387.6	387.1
147.5°	399.5	399.2	398.8	398.4
150°	409.3	409.0	408.8	408.6
152.5°	418.1	418.0	417.9	417.8
155°	425.9	426.1	426.2	426.4
157.5°	433.2	433.2	433.2	433.2
160°	439.1	439.2	439.3	439.4
162.5°	444.5	444.8	445.0	445.2
165°	448.9	449.2	449.4	449.6
167.5°	452.5	452.8	453.1	453.4
170°	455.6	455.9	456.2	456.5
172.5°	457.4	457.7	458.1	458.5
175°	459.1	459.4	459.8	460.2
177.5°	459.8	460.1	460.5	460.9
180°	460.2	460.2	460.2	460.2

(END OF REPORT)