

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: P1010989

Luminaire Tested: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010989
REPORT IS A COMBINATION OF REPORTS P993605 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K
Description: Define 3 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

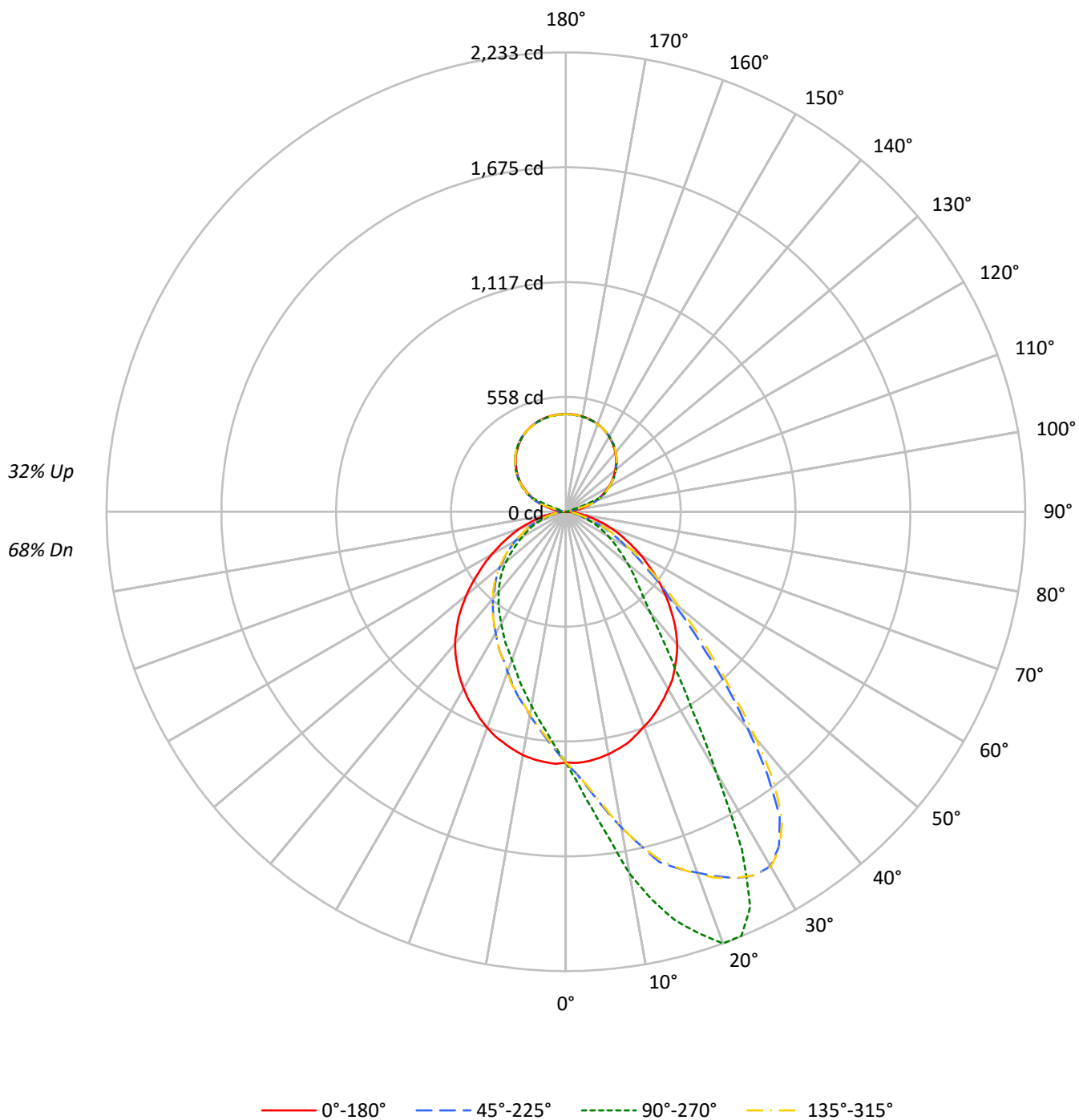
Lumens per Lamp: N/A
Luminaire Lumens: 4482.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



TEST NUMBER: P1010989

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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	65	65	65
1	103	98	95	91	97	93	90	87	83	81	78	74	72	70	65	64	63	59	58	57
2	94	87	81	76	89	82	77	73	74	70	66	66	63	60	58	56	54	50	49	48
3	86	77	70	64	81	73	67	62	66	61	57	59	55	52	52	50	47	44	43	42
4	79	69	61	55	75	65	58	53	59	53	49	53	49	45	47	44	41	38	37	36
5	73	62	54	48	69	59	52	46	53	47	43	48	43	40	43	39	36	34	33	32
6	68	56	48	42	64	53	46	41	48	42	38	44	39	35	39	35	32	30	29	28
7	63	51	43	37	59	48	41	36	44	38	34	40	35	31	36	32	29	27	26	25
8	59	46	39	33	55	44	37	32	40	34	30	37	32	28	33	29	26	24	23	22
9	55	43	35	30	52	41	34	29	37	31	27	34	29	26	31	27	24	22	21	20
10	51	39	32	27	49	38	31	26	34	29	25	32	27	23	29	25	22	20	19	18

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17515 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	2.7
10°-20°	374.7	8.4
20°-30°	590.1	13.2
30°-40°	613.6	13.7
40°-50°	525.0	11.7
50°-60°	400.3	8.9
60°-70°	256.4	5.7
70°-80°	122.9	2.7
80°-90°	33.3	0.7
90°-100°	16.7	0.4
100°-110°	80.9	1.8
110°-120°	198.2	4.4
120°-130°	251.6	5.6
130°-140°	268.8	6.0
140°-150°	251.3	5.6
150°-160°	202.7	4.5
160°-170°	130.8	2.9
170°-180°	45.1	1.0
0°-30°	1084.5	24.2
0°-40°	1698.2	37.9
0°-60°	2623.4	58.5
0°-90°	3035.9	67.7
90°-120°	295.8	6.6
90°-150°	1067.4	23.8
90°-180°	1446.0	32.3
0°-180°	4482.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1219	1219	1219	1219	1219	
5°	1218	1447	1221	1074	1218	116
15°	1164	2057	1164	858	1164	327
25°	1058	2119	1056	698	1058	487
35°	924	919	919	569	924	578
45°	741	490	740	448	741	570
55°	523	308	519	306	523	468
65°	320	177	322	192	320	320
75°	153	75	160	98	153	166
85°	34	18	38	34	34	38
90°	0	11	0	11	0	3
95°	22	13	22	13	22	26
105°	105	16	105	16	105	111
115°	197	207	197	207	197	195
125°	278	283	278	283	278	248
135°	346	349	346	349	346	266
145°	399	403	399	403	399	250
155°	439	439	439	439	439	202
165°	463	462	463	462	463	131
175°	474	473	474	473	474	45
180°	474	474	474	474	474	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1222.0	1230.3	1236.6	1240.8	1251.2	1257.5	1262.7	1272.1	1272.1	1274.2	1278.3
5°	1217.8	1235.5	1248.1	1264.8	1286.7	1297.1	1311.7	1324.2	1342.0	1351.4	1360.8
7.5°	1208.4	1233.5	1259.5	1284.6	1316.9	1337.8	1352.4	1384.8	1407.7	1435.9	1457.8
10°	1195.9	1230.3	1263.7	1302.3	1346.2	1377.5	1399.4	1442.2	1486.0	1525.6	1559.0
12.5°	1180.2	1222.0	1270.0	1316.9	1378.5	1409.8	1445.3	1498.5	1561.1	1611.2	1656.1
15°	1163.5	1211.5	1265.8	1323.2	1400.4	1444.3	1495.4	1560.1	1630.0	1702.0	1763.6
17.5°	1137.5	1198.0	1258.5	1342.0	1432.8	1458.9	1502.7	1591.4	1678.0	1742.7	1817.8
20°	1111.4	1179.2	1255.4	1330.5	1428.6	1489.1	1529.8	1623.7	1716.6	1794.9	1866.9
22.5°	1087.4	1158.3	1237.6	1332.6	1424.4	1484.9	1536.1	1634.2	1741.7	1829.3	1918.0
25°	1058.1	1135.4	1223.0	1312.8	1424.4	1470.3	1526.7	1640.4	1754.2	1855.4	1965.0
27.5°	1026.8	1105.1	1191.7	1283.5	1385.8	1453.6	1509.0	1631.0	1769.8	1878.4	1991.1
30°	995.5	1075.9	1159.4	1241.8	1356.6	1421.3	1484.9	1619.6	1778.2	1902.4	1989.0
32.5°	965.3	1033.1	1115.5	1195.9	1309.6	1380.6	1452.6	1608.1	1781.3	1885.7	1927.4
35°	923.5	994.5	1061.3	1146.8	1261.6	1331.6	1416.1	1607.0	1767.7	1832.4	1811.6
37.5°	884.9	944.4	1008.1	1084.2	1202.2	1292.9	1380.6	1579.9	1722.9	1727.0	1609.1
40°	842.1	891.2	944.4	1024.8	1152.1	1241.8	1336.8	1538.2	1641.5	1579.9	1372.2
42.5°	793.1	836.9	878.7	956.9	1095.7	1195.9	1298.2	1486.0	1523.6	1381.6	1165.6
45°	740.9	776.4	815.0	897.4	1036.2	1135.4	1237.6	1405.6	1367.0	1166.7	961.1
47.5°	686.6	716.9	754.5	829.6	972.6	1073.8	1170.8	1290.9	1192.8	977.8	805.6
50°	632.4	656.4	692.9	770.1	907.9	999.7	1089.5	1167.7	1030.0	839.0	665.8
52.5°	579.2	597.9	635.5	701.3	834.8	922.5	987.2	1017.4	877.6	692.9	578.1
55°	522.8	543.7	568.7	635.5	768.0	832.7	875.5	874.5	730.5	587.5	477.9
57.5°	468.5	487.3	509.2	576.0	683.5	727.3	763.9	746.1	609.4	481.1	410.1
60°	420.5	431.0	455.0	511.3	592.7	630.3	651.2	620.9	497.8	405.9	339.1
62.5°	368.4	378.8	398.6	451.9	501.9	521.8	539.5	500.9	411.2	330.8	290.1
65°	320.4	333.9	346.5	389.2	416.4	440.4	438.3	405.9	321.4	269.2	235.8
67.5°	278.6	283.8	294.3	320.4	332.9	350.6	351.7	315.1	258.8	219.1	199.3
70°	233.8	239.0	246.3	258.8	267.1	271.3	269.2	236.9	195.1	171.1	153.4
72.5°	195.1	194.1	199.3	199.3	207.7	206.6	200.4	175.3	148.2	128.4	117.9
75°	153.4	154.4	155.5	153.4	150.3	146.1	140.9	122.1	104.4	95.0	85.6
77.5°	120.0	117.9	119.0	111.7	107.5	103.3	96.0	86.6	72.0	69.9	65.7
80°	85.6	84.5	83.5	80.4	71.0	66.8	61.6	56.4	53.2	51.1	50.1
82.5°	57.4	57.4	55.3	49.0	43.8	40.7	39.7	37.6	34.4	34.4	33.4
85°	34.4	33.4	31.3	25.0	21.9	21.9	21.9	21.9	19.8	19.8	18.8
87.5°	13.6	12.5	9.4	9.4	8.3	8.3	8.3	7.3	7.3	6.3	6.3
90°	0.4	1.2	2.0	2.7	3.5	3.9	4.4	5.4	6.5	7.5	8.5
92.5°	8.1	7.6	7.2	6.7	6.2	6.0	6.4	7.1	7.8	8.5	9.2
95°	21.5	18.3	15.1	11.8	8.6	7.0	7.4	8.3	9.2	10.0	10.9
97.5°	39.1	36.9	34.7	32.5	30.3	29.2	27.2	23.2	19.3	15.3	11.3
100°	59.6	61.2	62.7	64.3	65.8	66.6	60.5	48.3	36.0	23.8	11.6
102.5°	82.8	83.8	84.8	85.9	86.9	87.4	80.6	67.0	53.3	39.7	26.1
105°	105.0	105.9	106.7	107.6	108.5	108.9	105.4	98.3	91.3	84.2	77.2
107.5°	128.6	129.3	130.0	130.7	131.4	131.8	132.4	133.6	134.7	135.9	137.1
110°	152.2	152.8	153.5	154.1	154.8	155.1	155.5	156.4	157.2	158.1	158.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	174.8	175.4	175.9	176.5	177.0	177.3	177.7	178.6	179.4	180.3	181.1
115°	197.0	197.5	197.9	198.4	198.9	199.1	199.5	200.2	200.9	201.6	202.3
117.5°	218.8	219.4	219.9	220.5	221.0	221.3	221.5	221.9	222.3	222.7	223.1
120°	238.9	239.6	240.3	241.0	241.7	242.1	242.2	242.5	242.7	243.0	243.2
122.5°	259.4	259.9	260.5	261.0	261.5	261.8	262.0	262.3	262.6	262.9	263.2
125°	277.7	278.3	278.9	279.6	280.2	280.5	280.7	281.0	281.3	281.6	281.9
127.5°	296.0	296.6	297.2	297.9	298.5	298.8	299.0	299.4	299.8	300.2	300.6
130°	312.9	313.5	314.2	314.8	315.5	315.8	316.0	316.3	316.6	316.9	317.2
132.5°	329.1	329.7	330.4	331.0	331.7	332.0	332.1	332.3	332.6	332.8	333.0
135°	345.7	346.2	346.6	347.1	347.6	347.8	348.0	348.3	348.6	348.9	349.2
137.5°	359.8	360.4	361.0	361.7	362.3	362.6	362.7	362.8	363.0	363.1	363.3
140°	373.9	374.4	374.8	375.3	375.8	376.0	376.1	376.4	376.6	376.9	377.1
142.5°	386.9	387.4	387.9	388.4	388.9	389.1	389.2	389.4	389.7	389.9	390.1
145°	398.9	399.5	400.0	400.6	401.1	401.4	401.5	401.6	401.8	401.9	402.1
147.5°	410.6	411.0	411.4	411.7	412.1	412.3	412.4	412.5	412.7	412.8	413.0
150°	421.1	421.3	421.6	421.8	422.1	422.2	422.3	422.4	422.6	422.7	422.9
152.5°	430.6	430.7	430.8	430.9	431.0	431.0	431.0	431.1	431.2	431.2	431.3
155°	439.4	439.2	439.1	438.9	438.8	438.7	438.7	438.8	438.9	439.0	439.1
157.5°	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.4	446.3	446.2	446.1
160°	452.8	452.7	452.7	452.6	452.5	452.5	452.5	452.4	452.3	452.2	452.1
162.5°	458.8	458.6	458.4	458.1	457.9	457.8	457.8	457.7	457.6	457.5	457.4
165°	463.4	463.2	463.0	462.7	462.5	462.4	462.4	462.3	462.2	462.1	462.0
167.5°	467.3	467.0	466.7	466.4	466.1	465.9	465.9	465.9	465.9	465.9	465.9
170°	470.5	470.2	469.8	469.5	469.2	469.0	469.0	469.0	469.0	469.0	469.0
172.5°	472.6	472.2	471.8	471.4	471.0	470.8	470.8	470.9	471.0	471.1	471.2
175°	474.3	473.9	473.5	473.2	472.8	472.6	472.6	472.7	472.8	472.8	472.9
177.5°	475.0	474.6	474.2	473.9	473.5	473.3	473.3	473.4	473.5	473.5	473.6
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1286.7	1286.7	1296.1	1305.5	1300.2	1303.4	1314.9	1310.7	1319.0	1318.0	1321.1
5°	1383.7	1395.2	1404.6	1424.4	1427.6	1424.4	1444.3	1449.5	1458.9	1447.4	1452.6
7.5°	1493.3	1517.3	1540.3	1569.5	1578.9	1581.0	1591.4	1606.0	1618.5	1595.6	1607.0
10°	1599.7	1636.3	1683.2	1709.3	1732.3	1740.6	1749.0	1758.4	1773.0	1786.5	1776.1
12.5°	1714.5	1767.7	1812.6	1859.6	1887.8	1884.6	1908.6	1914.9	1926.4	1929.5	1933.7
15°	1808.4	1883.6	1911.8	1981.7	1987.9	2008.8	2035.9	2059.9	2063.1	2056.8	2056.8
17.5°	1898.2	1962.9	2013.0	2069.3	2080.8	2098.5	2133.0	2144.5	2148.6	2147.6	2147.6
20°	1971.2	2014.0	2098.5	2145.5	2164.3	2187.2	2211.2	2225.9	2229.0	2233.2	2226.9
22.5°	2019.2	2083.9	2152.8	2191.4	2207.1	2215.4	2231.1	2235.3	2230.0	2231.1	2232.1
25°	2056.8	2120.5	2162.2	2172.6	2171.6	2161.2	2149.7	2129.9	2127.8	2119.4	2102.7
27.5°	2067.2	2091.2	2086.0	2043.2	2000.5	1996.3	1927.4	1889.8	1847.1	1853.3	1829.3
30°	2010.9	1979.6	1905.5	1797.0	1752.1	1679.0	1601.8	1521.5	1490.2	1455.7	1519.4
32.5°	1873.1	1761.5	1630.0	1489.1	1414.0	1349.3	1266.9	1208.4	1175.0	1146.8	1201.1
35°	1665.5	1491.2	1316.9	1183.4	1121.8	1063.4	986.1	956.9	915.2	919.4	924.6
37.5°	1398.3	1206.3	1074.8	943.4	902.7	878.7	822.3	777.4	762.8	758.6	758.6
40°	1147.9	990.3	873.4	770.1	738.8	719.0	674.1	653.3	637.6	633.4	638.6
42.5°	949.6	815.0	724.2	655.3	633.4	608.4	589.6	563.5	560.4	553.1	562.5
45°	797.3	680.4	612.6	562.5	543.7	534.3	513.4	497.8	491.5	490.5	497.8
47.5°	676.2	585.4	525.9	494.6	480.0	470.6	452.9	446.6	440.4	442.5	439.3
50°	567.7	499.9	461.2	433.1	423.7	414.3	402.8	396.5	393.4	393.4	392.4
52.5°	487.3	431.0	405.9	379.8	375.7	370.5	357.9	353.8	348.5	347.5	351.7
55°	417.4	378.8	353.8	338.1	333.9	323.5	318.3	313.1	309.9	307.8	308.9
57.5°	356.9	327.7	311.0	297.4	290.1	285.9	276.5	275.5	273.4	273.4	272.4
60°	306.8	285.9	266.1	257.8	252.5	247.3	246.3	240.0	236.9	239.0	237.9
62.5°	259.8	243.1	231.7	222.3	219.1	215.0	211.8	209.8	206.6	207.7	207.7
65°	217.1	203.5	195.1	186.8	185.7	181.6	180.5	178.4	178.4	177.4	179.5
67.5°	178.4	169.1	161.7	156.5	153.4	154.4	150.3	147.1	147.1	146.1	149.2
70°	141.9	136.7	129.4	123.1	119.0	119.0	113.7	112.7	112.7	112.7	111.7
72.5°	109.6	100.2	97.0	95.0	95.0	95.0	92.9	92.9	91.8	92.9	91.8
75°	81.4	80.4	78.3	77.2	77.2	76.2	75.1	75.1	75.1	75.1	75.1
77.5°	63.7	63.7	61.6	60.5	60.5	60.5	59.5	59.5	58.4	58.4	58.4
80°	47.0	47.0	44.9	44.9	44.9	43.8	43.8	43.8	44.9	43.8	43.8
82.5°	32.3	32.3	31.3	32.3	31.3	30.3	30.3	30.3	29.2	30.3	30.3
85°	18.8	18.8	17.7	16.7	17.7	17.7	16.7	17.7	16.7	17.7	16.7
87.5°	7.3	6.3	6.3	6.3	5.2	6.3	5.2	5.2	6.3	5.2	6.3
90°	8.8	9.1	9.4	9.7	9.9	10.0	10.1	10.3	10.4	10.6	10.4
92.5°	9.7	10.3	10.8	11.3	11.6	11.6	11.7	11.8	11.9	12.0	11.9
95°	11.5	12.0	12.6	13.1	13.4	13.4	13.4	13.4	13.4	13.4	13.4
97.5°	11.9	12.5	13.2	13.8	14.1	14.1	14.2	14.3	14.3	14.4	14.3
100°	12.2	12.8	13.5	14.1	14.4	14.4	14.5	14.6	14.7	14.8	14.7
102.5°	23.5	20.9	18.3	15.7	14.4	14.5	14.7	14.8	15.0	15.2	15.0
105°	63.3	49.5	35.6	21.7	14.8	14.9	15.0	15.2	15.3	15.5	15.3
107.5°	125.0	113.0	100.9	88.8	82.8	77.7	67.4	57.2	46.9	36.7	46.9
110°	156.3	153.7	151.2	148.6	147.3	141.7	130.5	119.3	108.1	96.9	108.1

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	181.8	182.5	183.2	183.9	184.3	184.2	184.1	183.9	183.8	183.6	183.8
115°	203.1	203.9	204.6	205.4	205.8	206.0	206.3	206.6	206.9	207.2	206.9
117.5°	223.7	224.3	225.0	225.6	225.9	225.9	226.0	226.1	226.1	226.2	226.1
120°	243.8	244.4	245.1	245.7	246.0	246.0	246.0	246.0	246.0	246.0	246.0
122.5°	263.6	264.0	264.4	264.8	265.0	265.0	265.1	265.2	265.3	265.4	265.3
125°	282.1	282.2	282.4	282.5	282.6	282.7	282.8	283.0	283.1	283.3	283.1
127.5°	300.8	301.1	301.3	301.6	301.7	301.6	301.5	301.3	301.2	301.0	301.2
130°	317.5	317.8	318.1	318.4	318.6	318.5	318.4	318.2	318.1	317.9	318.1
132.5°	333.3	333.6	333.9	334.2	334.4	334.3	334.1	333.8	333.6	333.4	333.6
135°	349.4	349.7	349.9	350.2	350.3	350.2	349.9	349.7	349.4	349.2	349.4
137.5°	363.7	364.1	364.5	364.9	365.1	365.0	364.9	364.7	364.6	364.4	364.6
140°	377.4	377.7	378.0	378.3	378.5	378.4	378.3	378.1	378.0	377.8	378.0
142.5°	390.3	390.6	390.8	391.1	391.2	391.1	390.8	390.6	390.3	390.1	390.3
145°	402.3	402.4	402.6	402.7	402.8	402.8	402.8	402.8	402.8	402.8	402.8
147.5°	413.2	413.3	413.5	413.6	413.7	413.5	413.1	412.8	412.4	412.0	412.4
150°	423.1	423.2	423.4	423.5	423.6	423.5	423.2	423.0	422.7	422.5	422.7
152.5°	431.6	432.0	432.3	432.6	432.8	432.6	432.2	431.8	431.4	431.0	431.4
155°	439.5	439.9	440.3	440.7	440.9	440.7	440.2	439.7	439.2	438.7	439.2
157.5°	446.6	447.1	447.6	448.1	448.3	448.0	447.3	446.7	446.0	445.4	446.0
160°	452.6	453.0	453.5	454.0	454.2	453.9	453.4	452.9	452.3	451.8	452.3
162.5°	458.0	458.5	459.1	459.6	459.9	459.7	459.2	458.7	458.3	457.8	458.3
165°	462.6	463.2	463.9	464.5	464.8	464.5	464.0	463.5	462.9	462.4	462.9
167.5°	466.5	467.1	467.8	468.4	468.7	468.4	467.8	467.1	466.5	465.9	466.5
170°	469.6	470.3	470.9	471.6	471.9	471.6	470.9	470.3	469.6	469.0	469.6
172.5°	471.8	472.4	473.1	473.7	474.0	473.6	472.9	472.2	471.5	470.8	471.5
175°	473.5	474.0	474.6	475.1	475.4	475.1	474.5	473.8	473.2	472.6	473.2
177.5°	474.2	474.9	475.5	476.2	476.5	476.1	475.3	474.5	473.7	472.9	473.7
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1315.9	1309.6	1305.5	1302.3	1299.2	1308.6	1296.1	1282.5	1273.1	1266.9	1264.8
5°	1453.6	1440.1	1428.6	1419.2	1421.3	1421.3	1399.4	1375.4	1354.5	1343.0	1330.5
7.5°	1613.3	1598.7	1575.7	1570.5	1566.3	1540.3	1518.3	1474.5	1448.4	1422.3	1399.4
10°	1771.9	1753.1	1731.2	1723.9	1713.5	1681.1	1647.7	1591.4	1559.0	1511.0	1480.8
12.5°	1920.1	1897.1	1875.2	1870.0	1854.4	1826.2	1768.8	1710.4	1655.0	1603.9	1550.7
15°	2044.3	2038.0	2004.6	1983.8	1949.3	1910.7	1898.2	1818.9	1749.0	1695.7	1599.7
17.5°	2148.6	2119.4	2088.1	2074.5	2061.0	2016.1	1971.2	1889.8	1814.7	1736.4	1674.9
20°	2232.1	2199.8	2177.9	2158.0	2151.8	2100.6	2029.7	1957.7	1875.2	1787.6	1707.2
22.5°	2236.3	2232.1	2217.5	2206.0	2193.5	2160.1	2103.8	2014.0	1926.4	1830.4	1725.0
25°	2149.7	2143.4	2185.2	2174.7	2183.1	2170.6	2140.3	2065.2	1962.9	1850.2	1743.7
27.5°	1888.8	1952.5	2018.2	2041.2	2056.8	2101.7	2116.3	2074.5	1992.1	1872.1	1753.1
30°	1534.0	1618.5	1725.0	1782.4	1826.2	1909.7	2018.2	2031.8	1993.2	1897.1	1751.1
32.5°	1204.2	1281.5	1367.0	1434.9	1493.3	1664.4	1810.5	1915.9	1934.7	1884.6	1756.3
35°	970.5	1003.9	1085.3	1150.0	1229.3	1375.4	1547.6	1717.7	1832.4	1838.7	1740.6
37.5°	800.4	818.1	889.1	925.6	972.6	1100.9	1261.6	1483.9	1662.4	1746.9	1696.8
40°	662.6	703.3	744.0	764.9	798.3	887.0	1041.4	1215.7	1436.9	1593.5	1629.0
42.5°	575.0	592.7	618.8	648.0	668.9	746.1	849.4	1009.1	1208.4	1426.5	1524.6
45°	507.2	513.4	540.6	559.3	581.2	635.5	708.6	842.1	1017.4	1232.4	1399.4
47.5°	450.8	463.3	477.9	489.4	504.0	545.8	608.4	705.4	859.9	1051.9	1231.4
50°	400.7	408.0	426.8	432.0	442.5	471.7	519.7	593.8	721.1	874.5	1060.2
52.5°	353.8	367.3	374.6	381.9	391.3	415.3	446.6	507.2	603.2	747.2	904.7
55°	317.2	321.4	331.8	338.1	345.4	362.1	389.2	434.1	509.2	624.0	773.3
57.5°	281.8	281.8	292.2	297.4	304.7	317.2	341.2	375.7	429.9	515.5	652.2
60°	244.2	245.2	253.6	259.8	261.9	274.4	294.3	321.4	363.2	425.8	537.4
62.5°	210.8	216.0	220.2	222.3	229.6	236.9	253.6	272.4	301.6	356.9	436.2
65°	182.6	183.7	186.8	188.9	192.0	200.4	212.9	225.4	250.4	291.1	355.8
67.5°	150.3	154.4	158.6	158.6	161.7	165.9	178.4	188.9	207.7	231.7	275.5
70°	112.7	114.8	121.1	124.2	128.4	135.7	141.9	148.2	162.8	180.5	213.9
72.5°	93.9	93.9	96.0	97.0	97.0	102.3	111.7	117.9	125.2	137.7	160.7
75°	75.1	75.1	78.3	77.2	79.3	81.4	82.4	86.6	90.8	100.2	113.7
77.5°	59.5	60.5	60.5	61.6	61.6	62.6	63.7	65.7	67.8	73.0	79.3
80°	43.8	44.9	44.9	45.9	45.9	47.0	48.0	49.0	51.1	53.2	56.4
82.5°	30.3	31.3	31.3	32.3	31.3	32.3	33.4	33.4	34.4	36.5	37.6
85°	17.7	17.7	18.8	17.7	17.7	17.7	18.8	18.8	19.8	23.0	23.0
87.5°	5.2	6.3	5.2	6.3	6.3	6.3	6.3	7.3	7.3	8.3	9.4
90°	10.3	10.1	10.0	9.9	9.7	9.4	9.1	8.8	8.5	7.5	6.5
92.5°	11.8	11.7	11.6	11.6	11.3	10.8	10.3	9.7	9.2	8.5	7.8
95°	13.4	13.4	13.4	13.4	13.1	12.6	12.0	11.5	10.9	10.0	9.2
97.5°	14.3	14.2	14.1	14.1	13.8	13.2	12.5	11.9	11.3	15.3	19.3
100°	14.6	14.5	14.4	14.4	14.1	13.5	12.8	12.2	11.6	23.8	36.0
102.5°	14.8	14.7	14.5	14.4	15.7	18.3	20.9	23.5	26.1	39.7	53.3
105°	15.2	15.0	14.9	14.8	21.7	35.6	49.5	63.3	77.2	84.2	91.3
107.5°	57.2	67.4	77.7	82.8	88.8	100.9	113.0	125.0	137.1	135.9	134.7
110°	119.3	130.5	141.7	147.3	148.6	151.2	153.7	156.3	158.9	158.1	157.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	183.9	184.1	184.2	184.3	183.9	183.2	182.5	181.8	181.1	180.3	179.4
115°	206.6	206.3	206.0	205.8	205.4	204.6	203.9	203.1	202.3	201.6	200.9
117.5°	226.1	226.0	225.9	225.9	225.6	225.0	224.3	223.7	223.1	222.7	222.3
120°	246.0	246.0	246.0	246.0	245.7	245.1	244.4	243.8	243.2	243.0	242.7
122.5°	265.2	265.1	265.0	265.0	264.8	264.4	264.0	263.6	263.2	262.9	262.6
125°	283.0	282.8	282.7	282.6	282.5	282.4	282.2	282.1	281.9	281.6	281.3
127.5°	301.3	301.5	301.6	301.7	301.6	301.3	301.1	300.8	300.6	300.2	299.8
130°	318.2	318.4	318.5	318.6	318.4	318.1	317.8	317.5	317.2	316.9	316.6
132.5°	333.8	334.1	334.3	334.4	334.2	333.9	333.6	333.3	333.0	332.8	332.6
135°	349.7	349.9	350.2	350.3	350.2	349.9	349.7	349.4	349.2	348.9	348.6
137.5°	364.7	364.9	365.0	365.1	364.9	364.5	364.1	363.7	363.3	363.1	363.0
140°	378.1	378.3	378.4	378.5	378.3	378.0	377.7	377.4	377.1	376.9	376.6
142.5°	390.6	390.8	391.1	391.2	391.1	390.8	390.6	390.3	390.1	389.9	389.7
145°	402.8	402.8	402.8	402.8	402.7	402.6	402.4	402.3	402.1	401.9	401.8
147.5°	412.8	413.1	413.5	413.7	413.6	413.5	413.3	413.2	413.0	412.8	412.7
150°	423.0	423.2	423.5	423.6	423.5	423.4	423.2	423.1	422.9	422.7	422.6
152.5°	431.8	432.2	432.6	432.8	432.6	432.3	432.0	431.6	431.3	431.2	431.2
155°	439.7	440.2	440.7	440.9	440.7	440.3	439.9	439.5	439.1	439.0	438.9
157.5°	446.7	447.3	448.0	448.3	448.1	447.6	447.1	446.6	446.1	446.2	446.3
160°	452.9	453.4	453.9	454.2	454.0	453.5	453.0	452.6	452.1	452.2	452.3
162.5°	458.7	459.2	459.7	459.9	459.6	459.1	458.5	458.0	457.4	457.5	457.6
165°	463.5	464.0	464.5	464.8	464.5	463.9	463.2	462.6	462.0	462.1	462.2
167.5°	467.1	467.8	468.4	468.7	468.4	467.8	467.1	466.5	465.9	465.9	465.9
170°	470.3	470.9	471.6	471.9	471.6	470.9	470.3	469.6	469.0	469.0	469.0
172.5°	472.2	472.9	473.6	474.0	473.7	473.1	472.4	471.8	471.2	471.1	471.0
175°	473.8	474.5	475.1	475.4	475.1	474.6	474.0	473.5	472.9	472.8	472.8
177.5°	474.5	475.3	476.1	476.5	476.2	475.5	474.9	474.2	473.6	473.5	473.5
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1261.6	1256.4	1251.2	1251.2	1239.7	1229.3	1224.1	1226.2	1219.9	1211.5	1203.2
5°	1316.9	1296.1	1291.9	1280.4	1264.8	1242.8	1231.4	1220.9	1208.4	1191.7	1176.1
7.5°	1368.1	1340.9	1326.3	1314.9	1284.6	1254.3	1229.3	1212.6	1190.7	1165.6	1146.8
10°	1434.9	1384.8	1369.1	1343.0	1300.2	1257.5	1228.2	1201.1	1170.8	1141.6	1116.6
12.5°	1488.1	1430.7	1401.5	1375.4	1320.1	1265.8	1216.8	1183.4	1146.8	1114.5	1082.1
15°	1548.6	1483.9	1432.8	1401.5	1331.6	1265.8	1210.5	1163.5	1122.8	1083.2	1055.0
17.5°	1577.8	1496.4	1473.5	1428.6	1327.4	1261.6	1193.8	1143.7	1094.7	1048.8	1015.4
20°	1623.7	1528.8	1471.4	1441.1	1351.4	1254.3	1175.0	1117.6	1066.5	1017.4	982.0
22.5°	1626.9	1523.6	1486.0	1428.6	1318.0	1232.4	1158.3	1088.4	1028.9	983.0	946.5
25°	1619.6	1514.2	1462.0	1416.1	1324.2	1219.9	1124.9	1056.1	997.6	944.4	901.6
27.5°	1616.4	1487.0	1438.0	1392.1	1288.8	1183.4	1105.1	1026.8	960.1	913.1	869.3
30°	1612.3	1457.8	1398.3	1345.1	1250.2	1155.2	1061.3	993.4	929.8	870.3	826.5
32.5°	1585.1	1418.2	1357.6	1301.3	1199.0	1104.1	1030.0	958.0	889.1	833.8	794.1
35°	1576.8	1381.6	1302.3	1241.8	1141.6	1057.1	978.8	919.4	854.7	799.3	752.4
37.5°	1552.8	1344.1	1258.5	1181.3	1076.9	996.6	939.2	879.7	817.1	757.6	720.0
40°	1511.0	1300.2	1203.2	1123.9	1016.4	935.0	881.8	838.0	776.4	723.2	677.3
42.5°	1449.5	1255.4	1151.0	1067.5	948.6	872.4	828.6	786.8	734.6	679.3	641.8
45°	1378.5	1195.9	1098.8	1006.0	884.9	810.8	764.9	739.9	691.9	644.9	601.1
47.5°	1281.5	1134.3	1038.3	942.3	819.2	747.2	710.6	685.6	652.2	601.1	565.6
50°	1159.4	1055.0	964.2	878.7	754.5	685.6	649.1	630.3	602.1	565.6	531.2
52.5°	1023.7	963.2	888.0	808.7	688.7	624.0	590.6	576.0	555.2	520.7	491.5
55°	887.0	860.9	809.8	731.5	619.9	566.6	537.4	518.6	503.0	477.9	452.9
57.5°	764.9	752.4	716.9	656.4	562.5	507.2	482.1	469.6	457.1	438.3	413.2
60°	638.6	652.2	615.7	585.4	499.9	451.9	429.9	416.4	410.1	393.4	377.8
62.5°	529.1	541.6	520.7	497.8	437.2	394.5	380.9	368.4	364.2	349.6	333.9
65°	429.9	445.6	429.9	417.4	380.9	345.4	328.7	322.5	318.3	308.9	296.4
67.5°	342.3	357.9	350.6	335.0	323.5	294.3	284.9	278.6	276.5	269.2	258.8
70°	257.8	279.7	281.8	272.4	261.9	248.4	242.1	240.0	234.8	228.5	222.3
72.5°	185.7	210.8	211.8	211.8	205.6	205.6	199.3	196.2	196.2	189.9	182.6
75°	136.7	153.4	155.5	157.6	160.7	163.8	159.7	159.7	158.6	152.4	149.2
77.5°	90.8	105.4	110.6	117.9	122.1	122.1	124.2	126.3	124.2	121.1	119.0
80°	58.4	68.9	75.1	79.3	85.6	88.7	91.8	92.9	90.8	89.7	86.6
82.5°	38.6	41.7	44.9	50.1	57.4	62.6	62.6	61.6	63.7	62.6	61.6
85°	21.9	24.0	25.0	26.1	30.3	35.5	36.5	37.6	39.7	37.6	35.5
87.5°	8.3	9.4	9.4	9.4	11.5	12.5	15.7	19.8	18.8	16.7	16.7
90°	5.4	4.4	3.9	3.5	2.7	2.0	1.2	0.4	1.2	2.0	2.7
92.5°	7.1	6.4	6.0	6.2	6.7	7.2	7.6	8.1	7.6	7.2	6.7
95°	8.3	7.4	7.0	8.6	11.8	15.1	18.3	21.5	18.3	15.1	11.8
97.5°	23.2	27.2	29.2	30.3	32.5	34.7	36.9	39.1	36.9	34.7	32.5
100°	48.3	60.5	66.6	65.8	64.3	62.7	61.2	59.6	61.2	62.7	64.3
102.5°	67.0	80.6	87.4	86.9	85.9	84.8	83.8	82.8	83.8	84.8	85.9
105°	98.3	105.4	108.9	108.5	107.6	106.7	105.9	105.0	105.9	106.7	107.6
107.5°	133.6	132.4	131.8	131.4	130.7	130.0	129.3	128.6	129.3	130.0	130.7
110°	156.4	155.5	155.1	154.8	154.1	153.5	152.8	152.2	152.8	153.5	154.1

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	178.6	177.7	177.3	177.0	176.5	175.9	175.4	174.8	175.4	175.9	176.5
115°	200.2	199.5	199.1	198.9	198.4	197.9	197.5	197.0	197.5	197.9	198.4
117.5°	221.9	221.5	221.3	221.0	220.5	219.9	219.4	218.8	219.4	219.9	220.5
120°	242.5	242.2	242.1	241.7	241.0	240.3	239.6	238.9	239.6	240.3	241.0
122.5°	262.3	262.0	261.8	261.5	261.0	260.5	259.9	259.4	259.9	260.5	261.0
125°	281.0	280.7	280.5	280.2	279.6	278.9	278.3	277.7	278.3	278.9	279.6
127.5°	299.4	299.0	298.8	298.5	297.9	297.2	296.6	296.0	296.6	297.2	297.9
130°	316.3	316.0	315.8	315.5	314.8	314.2	313.5	312.9	313.5	314.2	314.8
132.5°	332.3	332.1	332.0	331.7	331.0	330.4	329.7	329.1	329.7	330.4	331.0
135°	348.3	348.0	347.8	347.6	347.1	346.6	346.2	345.7	346.2	346.6	347.1
137.5°	362.8	362.7	362.6	362.3	361.7	361.0	360.4	359.8	360.4	361.0	361.7
140°	376.4	376.1	376.0	375.8	375.3	374.8	374.4	373.9	374.4	374.8	375.3
142.5°	389.4	389.2	389.1	388.9	388.4	387.9	387.4	386.9	387.4	387.9	388.4
145°	401.6	401.5	401.4	401.1	400.6	400.0	399.5	398.9	399.5	400.0	400.6
147.5°	412.5	412.4	412.3	412.1	411.7	411.4	411.0	410.6	411.0	411.4	411.7
150°	422.4	422.3	422.2	422.1	421.8	421.6	421.3	421.1	421.3	421.6	421.8
152.5°	431.1	431.0	431.0	431.0	430.9	430.8	430.7	430.6	430.7	430.8	430.9
155°	438.8	438.7	438.7	438.8	438.9	439.1	439.2	439.4	439.2	439.1	438.9
157.5°	446.4	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5	446.5
160°	452.4	452.5	452.5	452.5	452.6	452.7	452.7	452.8	452.7	452.7	452.6
162.5°	457.7	457.8	457.8	457.9	458.1	458.4	458.6	458.8	458.6	458.4	458.1
165°	462.3	462.4	462.4	462.5	462.7	463.0	463.2	463.4	463.2	463.0	462.7
167.5°	465.9	465.9	465.9	466.1	466.4	466.7	467.0	467.3	467.0	466.7	466.4
170°	469.0	469.0	469.0	469.2	469.5	469.8	470.2	470.5	470.2	469.8	469.5
172.5°	470.9	470.8	470.8	471.0	471.4	471.8	472.2	472.6	472.2	471.8	471.4
175°	472.7	472.6	472.6	472.8	473.2	473.5	473.9	474.3	473.9	473.5	473.2
177.5°	473.4	473.3	473.3	473.5	473.9	474.2	474.6	475.0	474.6	474.2	473.9
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1203.2	1198.0	1195.9	1190.7	1178.2	1169.8	1160.4	1154.1	1155.2	1150.0	1153.1
5°	1165.6	1164.6	1157.3	1146.8	1129.1	1119.7	1103.0	1094.7	1090.5	1091.5	1085.3
7.5°	1134.3	1124.9	1119.7	1103.0	1086.3	1066.5	1052.9	1045.6	1039.4	1033.1	1028.9
10°	1098.8	1090.5	1082.1	1064.4	1041.4	1022.7	1003.9	996.6	987.2	983.0	979.9
12.5°	1061.3	1056.1	1045.6	1024.8	998.7	980.9	959.0	954.8	942.3	934.0	931.9
15°	1026.8	1023.7	1004.9	980.9	954.8	937.1	918.3	905.8	884.9	889.1	881.8
17.5°	990.3	976.7	965.3	932.9	920.4	893.3	871.4	865.1	850.5	841.1	831.7
20°	949.6	941.3	926.7	905.8	875.5	844.2	827.5	817.1	808.7	794.1	790.0
22.5°	911.0	900.6	888.0	860.9	834.8	808.7	785.8	776.4	766.0	755.5	749.3
25°	880.7	865.1	851.5	818.1	792.0	770.1	755.5	739.9	725.3	719.0	716.9
27.5°	833.8	824.4	810.8	779.5	755.5	731.5	718.0	707.5	691.9	684.6	678.3
30°	803.5	784.7	769.1	744.0	720.0	694.0	681.4	668.9	659.5	650.1	642.8
32.5°	762.8	748.2	735.7	710.6	686.6	662.6	649.1	630.3	625.1	617.8	609.4
35°	723.2	713.8	700.2	673.1	647.0	630.3	615.7	597.9	591.7	586.5	579.2
37.5°	685.6	672.0	662.6	636.6	613.6	593.8	582.3	567.7	563.5	557.2	552.0
40°	653.3	639.7	630.3	604.2	580.2	559.3	552.0	537.4	531.2	523.9	520.7
42.5°	616.7	605.3	592.7	573.9	548.9	528.0	513.4	505.1	496.7	493.6	487.3
45°	578.1	567.7	558.3	537.4	511.3	496.7	484.2	472.7	466.5	461.2	457.1
47.5°	544.7	535.3	522.8	499.9	479.0	465.4	452.9	441.4	435.2	428.9	423.7
50°	506.1	500.9	487.3	465.4	445.6	429.9	418.5	408.0	403.8	396.5	388.2
52.5°	471.7	462.3	450.8	433.1	415.3	396.5	380.9	374.6	367.3	363.2	355.8
55°	431.0	424.7	412.2	396.5	377.8	362.1	350.6	342.3	332.9	328.7	319.3
57.5°	396.5	385.1	378.8	359.0	341.2	325.6	317.2	308.9	298.5	292.2	288.0
60°	359.0	348.5	339.1	322.5	309.9	293.2	280.7	273.4	266.1	257.8	253.6
62.5°	322.5	314.1	302.6	289.1	273.4	259.8	250.4	240.0	235.8	227.5	224.4
65°	282.8	276.5	267.1	251.5	239.0	227.5	218.1	209.8	205.6	202.4	200.4
67.5°	247.3	239.0	232.7	219.1	205.6	196.2	191.0	185.7	180.5	177.4	174.3
70°	210.8	204.5	198.3	185.7	176.4	168.0	163.8	159.7	156.5	153.4	150.3
72.5°	173.2	170.1	163.8	155.5	148.2	141.9	138.8	133.6	130.4	125.2	123.1
75°	143.0	137.7	134.6	127.3	121.1	115.8	111.7	105.4	101.2	99.1	98.1
77.5°	112.7	110.6	106.4	100.2	97.0	91.8	85.6	83.5	81.4	81.4	80.4
80°	84.5	81.4	78.3	73.0	69.9	65.7	65.7	65.7	64.7	65.7	64.7
82.5°	57.4	55.3	53.2	50.1	49.0	49.0	50.1	50.1	50.1	50.1	50.1
85°	33.4	33.4	33.4	34.4	33.4	33.4	34.4	35.5	34.4	34.4	33.4
87.5°	15.7	15.7	16.7	16.7	17.7	17.7	17.7	17.7	17.7	17.7	18.8
90°	3.5	3.9	4.4	5.4	6.5	7.5	8.5	8.8	9.1	9.4	9.7
92.5°	6.2	6.0	6.4	7.1	7.8	8.5	9.2	9.7	10.3	10.8	11.3
95°	8.6	7.0	7.4	8.3	9.2	10.0	10.9	11.5	12.0	12.6	13.1
97.5°	30.3	29.2	27.2	23.2	19.3	15.3	11.3	11.9	12.5	13.2	13.8
100°	65.8	66.6	60.5	48.3	36.0	23.8	11.6	12.2	12.8	13.5	14.1
102.5°	86.9	87.4	80.6	67.0	53.3	39.7	26.1	23.5	20.9	18.3	15.7
105°	108.5	108.9	105.4	98.3	91.3	84.2	77.2	63.3	49.5	35.6	21.7
107.5°	131.4	131.8	132.4	133.6	134.7	135.9	137.1	125.0	113.0	100.9	88.8
110°	154.8	155.1	155.5	156.4	157.2	158.1	158.9	156.3	153.7	151.2	148.6

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	177.0	177.3	177.7	178.6	179.4	180.3	181.1	181.8	182.5	183.2	183.9
115°	198.9	199.1	199.5	200.2	200.9	201.6	202.3	203.1	203.9	204.6	205.4
117.5°	221.0	221.3	221.5	221.9	222.3	222.7	223.1	223.7	224.3	225.0	225.6
120°	241.7	242.1	242.2	242.5	242.7	243.0	243.2	243.8	244.4	245.1	245.7
122.5°	261.5	261.8	262.0	262.3	262.6	262.9	263.2	263.6	264.0	264.4	264.8
125°	280.2	280.5	280.7	281.0	281.3	281.6	281.9	282.1	282.2	282.4	282.5
127.5°	298.5	298.8	299.0	299.4	299.8	300.2	300.6	300.8	301.1	301.3	301.6
130°	315.5	315.8	316.0	316.3	316.6	316.9	317.2	317.5	317.8	318.1	318.4
132.5°	331.7	332.0	332.1	332.3	332.6	332.8	333.0	333.3	333.6	333.9	334.2
135°	347.6	347.8	348.0	348.3	348.6	348.9	349.2	349.4	349.7	349.9	350.2
137.5°	362.3	362.6	362.7	362.8	363.0	363.1	363.3	363.7	364.1	364.5	364.9
140°	375.8	376.0	376.1	376.4	376.6	376.9	377.1	377.4	377.7	378.0	378.3
142.5°	388.9	389.1	389.2	389.4	389.7	389.9	390.1	390.3	390.6	390.8	391.1
145°	401.1	401.4	401.5	401.6	401.8	401.9	402.1	402.3	402.4	402.6	402.7
147.5°	412.1	412.3	412.4	412.5	412.7	412.8	413.0	413.2	413.3	413.5	413.6
150°	422.1	422.2	422.3	422.4	422.6	422.7	422.9	423.1	423.2	423.4	423.5
152.5°	431.0	431.0	431.0	431.1	431.2	431.2	431.3	431.6	432.0	432.3	432.6
155°	438.8	438.7	438.7	438.8	438.9	439.0	439.1	439.5	439.9	440.3	440.7
157.5°	446.5	446.5	446.5	446.4	446.3	446.2	446.1	446.6	447.1	447.6	448.1
160°	452.5	452.5	452.5	452.4	452.3	452.2	452.1	452.6	453.0	453.5	454.0
162.5°	457.9	457.8	457.8	457.7	457.6	457.5	457.4	458.0	458.5	459.1	459.6
165°	462.5	462.4	462.4	462.3	462.2	462.1	462.0	462.6	463.2	463.9	464.5
167.5°	466.1	465.9	465.9	465.9	465.9	465.9	465.9	466.5	467.1	467.8	468.4
170°	469.2	469.0	469.0	469.0	469.0	469.0	469.0	469.6	470.3	470.9	471.6
172.5°	471.0	470.8	470.8	470.9	471.0	471.1	471.2	471.8	472.4	473.1	473.7
175°	472.8	472.6	472.6	472.7	472.8	472.8	472.9	473.5	474.0	474.6	475.1
177.5°	473.5	473.3	473.3	473.4	473.5	473.5	473.6	474.2	474.9	475.5	476.2
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1152.1	1153.1	1150.0	1143.7	1142.7	1144.8	1151.0	1148.9	1143.7	1153.1	1144.8
5°	1088.4	1083.2	1081.1	1083.2	1076.9	1073.8	1080.1	1076.9	1080.1	1081.1	1084.2
7.5°	1026.8	1027.9	1021.6	1022.7	1014.3	1016.4	1016.4	1016.4	1019.5	1021.6	1025.8
10°	973.6	975.7	968.4	969.4	963.2	959.0	962.1	968.4	968.4	968.4	970.5
12.5°	930.8	921.4	916.2	915.2	907.9	905.8	912.0	914.1	919.4	919.4	922.5
15°	877.6	875.5	871.4	871.4	853.6	857.8	859.9	867.2	877.6	869.3	871.4
17.5°	829.6	824.4	819.2	817.1	815.0	808.7	817.1	816.0	822.3	823.3	826.5
20°	786.8	782.7	772.2	773.3	775.3	766.0	771.2	771.2	777.4	783.7	791.0
22.5°	745.1	740.9	735.7	737.8	731.5	729.4	729.4	734.6	742.0	747.2	746.1
25°	712.7	705.4	702.3	699.2	696.0	698.1	695.0	700.2	705.4	708.6	705.4
27.5°	676.2	673.1	666.8	663.7	658.5	660.6	662.6	666.8	669.9	669.9	673.1
30°	640.7	636.6	634.5	631.3	631.3	627.2	628.2	632.4	635.5	638.6	642.8
32.5°	606.3	603.2	600.0	600.0	597.9	596.9	595.9	602.1	602.1	608.4	608.4
35°	578.1	572.9	572.9	567.7	569.8	568.7	566.6	570.8	571.9	576.0	575.0
37.5°	546.8	546.8	544.7	539.5	535.3	536.4	541.6	541.6	544.7	543.7	546.8
40°	515.5	513.4	513.4	510.3	509.2	508.2	509.2	510.3	515.5	514.5	515.5
42.5°	484.2	485.2	480.0	480.0	480.0	476.9	477.9	479.0	481.1	483.2	486.3
45°	453.9	451.9	450.8	448.7	446.6	447.7	446.6	450.8	449.8	451.9	455.0
47.5°	421.6	418.5	417.4	413.2	413.2	415.3	414.3	417.4	418.5	421.6	419.5
50°	390.3	386.1	383.0	384.0	377.8	379.8	379.8	383.0	386.1	387.2	389.2
52.5°	353.8	352.7	351.7	346.5	345.4	344.4	345.4	346.5	350.6	353.8	354.8
55°	318.3	317.2	311.0	308.9	305.8	305.8	307.8	308.9	316.2	317.2	321.4
57.5°	285.9	282.8	275.5	274.4	274.4	274.4	271.3	275.5	277.6	282.8	282.8
60°	250.4	250.4	244.2	244.2	245.2	244.2	244.2	245.2	245.2	249.4	251.5
62.5°	222.3	221.2	221.2	219.1	218.1	219.1	218.1	218.1	219.1	222.3	225.4
65°	197.2	196.2	195.1	194.1	192.0	192.0	193.1	195.1	195.1	197.2	198.3
67.5°	173.2	173.2	171.1	171.1	170.1	169.1	170.1	169.1	173.2	173.2	174.3
70°	149.2	148.2	145.1	144.0	140.9	141.9	141.9	145.1	146.1	148.2	150.3
72.5°	120.0	120.0	117.9	115.8	116.9	114.8	114.8	115.8	115.8	119.0	120.0
75°	99.1	97.0	96.0	97.0	96.0	98.1	96.0	96.0	98.1	98.1	98.1
77.5°	81.4	81.4	80.4	80.4	81.4	80.4	81.4	81.4	81.4	80.4	81.4
80°	66.8	65.7	65.7	65.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
82.5°	50.1	50.1	49.0	50.1	50.1	49.0	50.1	49.0	49.0	50.1	50.1
85°	33.4	35.5	33.4	33.4	34.4	34.4	35.5	34.4	35.5	33.4	34.4
87.5°	17.7	18.8	18.8	17.7	17.7	18.8	18.8	18.8	19.8	17.7	18.8
90°	9.9	10.0	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.9
92.5°	11.6	11.6	11.7	11.8	11.9	12.0	11.9	11.8	11.7	11.6	11.6
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
97.5°	14.1	14.1	14.2	14.3	14.3	14.4	14.3	14.3	14.2	14.1	14.1
100°	14.4	14.4	14.5	14.6	14.7	14.8	14.7	14.6	14.5	14.4	14.4
102.5°	14.4	14.5	14.7	14.8	15.0	15.2	15.0	14.8	14.7	14.5	14.4
105°	14.8	14.9	15.0	15.2	15.3	15.5	15.3	15.2	15.0	14.9	14.8
107.5°	82.8	77.7	67.4	57.2	46.9	36.7	46.9	57.2	67.4	77.7	82.8
110°	147.3	141.7	130.5	119.3	108.1	96.9	108.1	119.3	130.5	141.7	147.3

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	184.3	184.2	184.1	183.9	183.8	183.6	183.8	183.9	184.1	184.2	184.3
115°	205.8	206.0	206.3	206.6	206.9	207.2	206.9	206.6	206.3	206.0	205.8
117.5°	225.9	225.9	226.0	226.1	226.1	226.2	226.1	226.1	226.0	225.9	225.9
120°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0
122.5°	265.0	265.0	265.1	265.2	265.3	265.4	265.3	265.2	265.1	265.0	265.0
125°	282.6	282.7	282.8	283.0	283.1	283.3	283.1	283.0	282.8	282.7	282.6
127.5°	301.7	301.6	301.5	301.3	301.2	301.0	301.2	301.3	301.5	301.6	301.7
130°	318.6	318.5	318.4	318.2	318.1	317.9	318.1	318.2	318.4	318.5	318.6
132.5°	334.4	334.3	334.1	333.8	333.6	333.4	333.6	333.8	334.1	334.3	334.4
135°	350.3	350.2	349.9	349.7	349.4	349.2	349.4	349.7	349.9	350.2	350.3
137.5°	365.1	365.0	364.9	364.7	364.6	364.4	364.6	364.7	364.9	365.0	365.1
140°	378.5	378.4	378.3	378.1	378.0	377.8	378.0	378.1	378.3	378.4	378.5
142.5°	391.2	391.1	390.8	390.6	390.3	390.1	390.3	390.6	390.8	391.1	391.2
145°	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8
147.5°	413.7	413.5	413.1	412.8	412.4	412.0	412.4	412.8	413.1	413.5	413.7
150°	423.6	423.5	423.2	423.0	422.7	422.5	422.7	423.0	423.2	423.5	423.6
152.5°	432.8	432.6	432.2	431.8	431.4	431.0	431.4	431.8	432.2	432.6	432.8
155°	440.9	440.7	440.2	439.7	439.2	438.7	439.2	439.7	440.2	440.7	440.9
157.5°	448.3	448.0	447.3	446.7	446.0	445.4	446.0	446.7	447.3	448.0	448.3
160°	454.2	453.9	453.4	452.9	452.3	451.8	452.3	452.9	453.4	453.9	454.2
162.5°	459.9	459.7	459.2	458.7	458.3	457.8	458.3	458.7	459.2	459.7	459.9
165°	464.8	464.5	464.0	463.5	462.9	462.4	462.9	463.5	464.0	464.5	464.8
167.5°	468.7	468.4	467.8	467.1	466.5	465.9	466.5	467.1	467.8	468.4	468.7
170°	471.9	471.6	470.9	470.3	469.6	469.0	469.6	470.3	470.9	471.6	471.9
172.5°	474.0	473.6	472.9	472.2	471.5	470.8	471.5	472.2	472.9	473.6	474.0
175°	475.4	475.1	474.5	473.8	473.2	472.6	473.2	473.8	474.5	475.1	475.4
177.5°	476.5	476.1	475.3	474.5	473.7	472.9	473.7	474.5	475.3	476.1	476.5
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1153.1	1157.3	1153.1	1144.8	1153.1	1158.3	1163.5	1171.9	1176.1	1176.1	1182.3
5°	1087.4	1095.7	1092.6	1090.5	1098.8	1104.1	1112.4	1122.8	1134.3	1141.6	1150.0
7.5°	1028.9	1034.1	1039.4	1039.4	1047.7	1059.2	1071.7	1084.2	1098.8	1109.3	1115.5
10°	977.8	982.0	985.1	989.3	1001.8	1014.3	1031.0	1046.7	1059.2	1070.7	1081.1
12.5°	928.7	935.0	942.3	945.4	954.8	970.5	986.1	1004.9	1024.8	1036.2	1046.7
15°	881.8	884.9	893.3	902.7	911.0	927.7	947.5	967.4	984.1	1001.8	1011.2
17.5°	833.8	834.8	856.7	851.5	878.7	894.3	904.7	923.5	950.7	965.3	979.9
20°	786.8	797.3	806.7	811.9	826.5	844.2	874.5	889.1	911.0	924.6	937.1
22.5°	750.3	766.0	766.0	778.5	785.8	802.5	824.4	852.6	876.6	886.0	903.7
25°	718.0	725.3	737.8	742.0	755.5	770.1	784.7	815.0	841.1	853.6	866.1
27.5°	676.2	685.6	702.3	702.3	720.0	735.7	753.4	773.3	799.3	817.1	830.7
30°	643.9	653.3	660.6	672.0	679.3	694.0	725.3	739.9	762.8	778.5	795.2
32.5°	613.6	620.9	627.2	639.7	648.0	664.7	681.4	707.5	727.3	742.0	759.7
35°	580.2	587.5	595.9	605.3	617.8	633.4	649.1	671.0	690.8	704.4	719.0
37.5°	548.9	554.1	566.6	572.9	583.3	597.9	617.8	640.7	658.5	668.9	683.5
40°	518.6	522.8	532.2	543.7	551.0	562.5	583.3	603.2	625.1	637.6	649.1
42.5°	486.3	491.5	499.9	511.3	522.8	535.3	546.8	569.8	589.6	600.0	612.6
45°	458.1	461.2	467.5	479.0	490.5	499.9	517.6	538.5	557.2	565.6	579.2
47.5°	424.7	427.8	437.2	442.5	455.0	467.5	485.2	506.1	522.8	531.2	543.7
50°	390.3	393.4	399.7	411.2	419.5	433.1	448.7	466.5	487.3	498.8	506.1
52.5°	356.9	363.2	368.4	377.8	388.2	401.8	416.4	433.1	450.8	462.3	470.6
55°	323.5	328.7	335.0	340.2	352.7	365.2	381.9	397.6	413.2	423.7	433.1
57.5°	285.9	293.2	299.5	309.9	319.3	329.8	348.5	361.1	379.8	387.2	395.5
60°	253.6	260.9	266.1	274.4	282.8	296.4	308.9	324.5	340.2	349.6	360.0
62.5°	226.4	229.6	232.7	241.1	249.4	261.9	274.4	290.1	306.8	312.0	320.4
65°	199.3	202.4	207.7	215.0	221.2	228.5	242.1	254.6	270.3	278.6	281.8
67.5°	176.4	179.5	180.5	185.7	191.0	199.3	206.6	219.1	233.8	239.0	245.2
70°	150.3	155.5	156.5	160.7	162.8	168.0	176.4	185.7	197.2	206.6	211.8
72.5°	120.0	127.3	129.4	135.7	138.8	144.0	150.3	157.6	164.9	169.1	173.2
75°	98.1	100.2	101.2	106.4	111.7	119.0	122.1	126.3	132.5	137.7	141.9
77.5°	81.4	82.4	83.5	83.5	84.5	88.7	95.0	100.2	104.4	106.4	109.6
80°	65.7	64.7	64.7	65.7	65.7	65.7	67.8	75.1	77.2	82.4	81.4
82.5°	51.1	49.0	50.1	49.0	49.0	49.0	49.0	50.1	50.1	53.2	55.3
85°	33.4	34.4	33.4	33.4	32.3	33.4	32.3	32.3	31.3	31.3	30.3
87.5°	17.7	18.8	17.7	17.7	16.7	17.7	16.7	16.7	15.7	15.7	13.6
90°	9.7	9.4	9.1	8.8	8.5	7.5	6.5	5.4	4.4	3.9	3.5
92.5°	11.3	10.8	10.3	9.7	9.2	8.5	7.8	7.1	6.4	6.0	6.2
95°	13.1	12.6	12.0	11.5	10.9	10.0	9.2	8.3	7.4	7.0	8.6
97.5°	13.8	13.2	12.5	11.9	11.3	15.3	19.3	23.2	27.2	29.2	30.3
100°	14.1	13.5	12.8	12.2	11.6	23.8	36.0	48.3	60.5	66.6	65.8
102.5°	15.7	18.3	20.9	23.5	26.1	39.7	53.3	67.0	80.6	87.4	86.9
105°	21.7	35.6	49.5	63.3	77.2	84.2	91.3	98.3	105.4	108.9	108.5
107.5°	88.8	100.9	113.0	125.0	137.1	135.9	134.7	133.6	132.4	131.8	131.4
110°	148.6	151.2	153.7	156.3	158.9	158.1	157.2	156.4	155.5	155.1	154.8

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	183.9	183.2	182.5	181.8	181.1	180.3	179.4	178.6	177.7	177.3	177.0
115°	205.4	204.6	203.9	203.1	202.3	201.6	200.9	200.2	199.5	199.1	198.9
117.5°	225.6	225.0	224.3	223.7	223.1	222.7	222.3	221.9	221.5	221.3	221.0
120°	245.7	245.1	244.4	243.8	243.2	243.0	242.7	242.5	242.2	242.1	241.7
122.5°	264.8	264.4	264.0	263.6	263.2	262.9	262.6	262.3	262.0	261.8	261.5
125°	282.5	282.4	282.2	282.1	281.9	281.6	281.3	281.0	280.7	280.5	280.2
127.5°	301.6	301.3	301.1	300.8	300.6	300.2	299.8	299.4	299.0	298.8	298.5
130°	318.4	318.1	317.8	317.5	317.2	316.9	316.6	316.3	316.0	315.8	315.5
132.5°	334.2	333.9	333.6	333.3	333.0	332.8	332.6	332.3	332.1	332.0	331.7
135°	350.2	349.9	349.7	349.4	349.2	348.9	348.6	348.3	348.0	347.8	347.6
137.5°	364.9	364.5	364.1	363.7	363.3	363.1	363.0	362.8	362.7	362.6	362.3
140°	378.3	378.0	377.7	377.4	377.1	376.9	376.6	376.4	376.1	376.0	375.8
142.5°	391.1	390.8	390.6	390.3	390.1	389.9	389.7	389.4	389.2	389.1	388.9
145°	402.7	402.6	402.4	402.3	402.1	401.9	401.8	401.6	401.5	401.4	401.1
147.5°	413.6	413.5	413.3	413.2	413.0	412.8	412.7	412.5	412.4	412.3	412.1
150°	423.5	423.4	423.2	423.1	422.9	422.7	422.6	422.4	422.3	422.2	422.1
152.5°	432.6	432.3	432.0	431.6	431.3	431.2	431.2	431.1	431.0	431.0	431.0
155°	440.7	440.3	439.9	439.5	439.1	439.0	438.9	438.8	438.7	438.7	438.8
157.5°	448.1	447.6	447.1	446.6	446.1	446.2	446.3	446.4	446.5	446.5	446.5
160°	454.0	453.5	453.0	452.6	452.1	452.2	452.3	452.4	452.5	452.5	452.5
162.5°	459.6	459.1	458.5	458.0	457.4	457.5	457.6	457.7	457.8	457.8	457.9
165°	464.5	463.9	463.2	462.6	462.0	462.1	462.2	462.3	462.4	462.4	462.5
167.5°	468.4	467.8	467.1	466.5	465.9	465.9	465.9	465.9	465.9	465.9	466.1
170°	471.6	470.9	470.3	469.6	469.0	469.0	469.0	469.0	469.0	469.0	469.2
172.5°	473.7	473.1	472.4	471.8	471.2	471.1	471.0	470.9	470.8	470.8	471.0
175°	475.1	474.6	474.0	473.5	472.9	472.8	472.8	472.7	472.6	472.6	472.8
177.5°	476.2	475.5	474.9	474.2	473.6	473.5	473.5	473.4	473.3	473.3	473.5
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1218.8	1218.8	1218.8	1218.8
2.5°	1187.5	1194.8	1209.5	1222.0
5°	1162.5	1174.0	1195.9	1217.8
7.5°	1132.2	1150.0	1178.2	1208.4
10°	1103.0	1126.0	1160.4	1195.9
12.5°	1073.8	1097.8	1134.3	1180.2
15°	1039.4	1064.4	1108.2	1163.5
17.5°	1009.1	1042.5	1082.1	1137.5
20°	976.7	1001.8	1052.9	1111.4
22.5°	936.1	977.8	1025.8	1087.4
25°	903.7	940.2	988.2	1058.1
27.5°	864.0	906.8	965.3	1026.8
30°	831.7	867.2	921.4	995.5
32.5°	794.1	835.9	892.2	965.3
35°	760.7	796.2	849.4	923.5
37.5°	721.1	759.7	819.2	884.9
40°	686.6	724.2	780.6	842.1
42.5°	644.9	684.6	740.9	793.1
45°	611.5	648.0	692.9	740.9
47.5°	570.8	609.4	653.3	686.6
50°	534.3	569.8	604.2	632.4
52.5°	494.6	527.0	558.3	579.2
55°	458.1	483.2	508.2	522.8
57.5°	415.3	439.3	460.2	468.5
60°	377.8	397.6	411.2	420.5
62.5°	338.1	352.7	363.2	368.4
65°	299.5	309.9	315.1	320.4
67.5°	259.8	269.2	272.4	278.6
70°	218.1	228.5	230.6	233.8
72.5°	186.8	186.8	191.0	195.1
75°	149.2	151.3	153.4	153.4
77.5°	116.9	116.9	119.0	120.0
80°	85.6	86.6	86.6	85.6
82.5°	58.4	60.5	58.4	57.4
85°	32.3	36.5	34.4	34.4
87.5°	13.6	13.6	15.7	13.6
90°	2.7	2.0	1.2	0.4
92.5°	6.7	7.2	7.6	8.1
95°	11.8	15.1	18.3	21.5
97.5°	32.5	34.7	36.9	39.1
100°	64.3	62.7	61.2	59.6
102.5°	85.9	84.8	83.8	82.8
105°	107.6	106.7	105.9	105.0
107.5°	130.7	130.0	129.3	128.6
110°	154.1	153.5	152.8	152.2

TEST NUMBER: P1010989

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	176.5	175.9	175.4	174.8
115°	198.4	197.9	197.5	197.0
117.5°	220.5	219.9	219.4	218.8
120°	241.0	240.3	239.6	238.9
122.5°	261.0	260.5	259.9	259.4
125°	279.6	278.9	278.3	277.7
127.5°	297.9	297.2	296.6	296.0
130°	314.8	314.2	313.5	312.9
132.5°	331.0	330.4	329.7	329.1
135°	347.1	346.6	346.2	345.7
137.5°	361.7	361.0	360.4	359.8
140°	375.3	374.8	374.4	373.9
142.5°	388.4	387.9	387.4	386.9
145°	400.6	400.0	399.5	398.9
147.5°	411.7	411.4	411.0	410.6
150°	421.8	421.6	421.3	421.1
152.5°	430.9	430.8	430.7	430.6
155°	438.9	439.1	439.2	439.4
157.5°	446.5	446.5	446.5	446.5
160°	452.6	452.7	452.7	452.8
162.5°	458.1	458.4	458.6	458.8
165°	462.7	463.0	463.2	463.4
167.5°	466.4	466.7	467.0	467.3
170°	469.5	469.8	470.2	470.5
172.5°	471.4	471.8	472.2	472.6
175°	473.2	473.5	473.9	474.3
177.5°	473.9	474.2	474.6	475.0
180°	474.3	474.3	474.3	474.3

(END OF REPORT)