

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: P1010991

Luminaire Tested: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010991
REPORT IS A COMBINATION OF REPORTS P993607 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_3500K
Description: Define 3 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

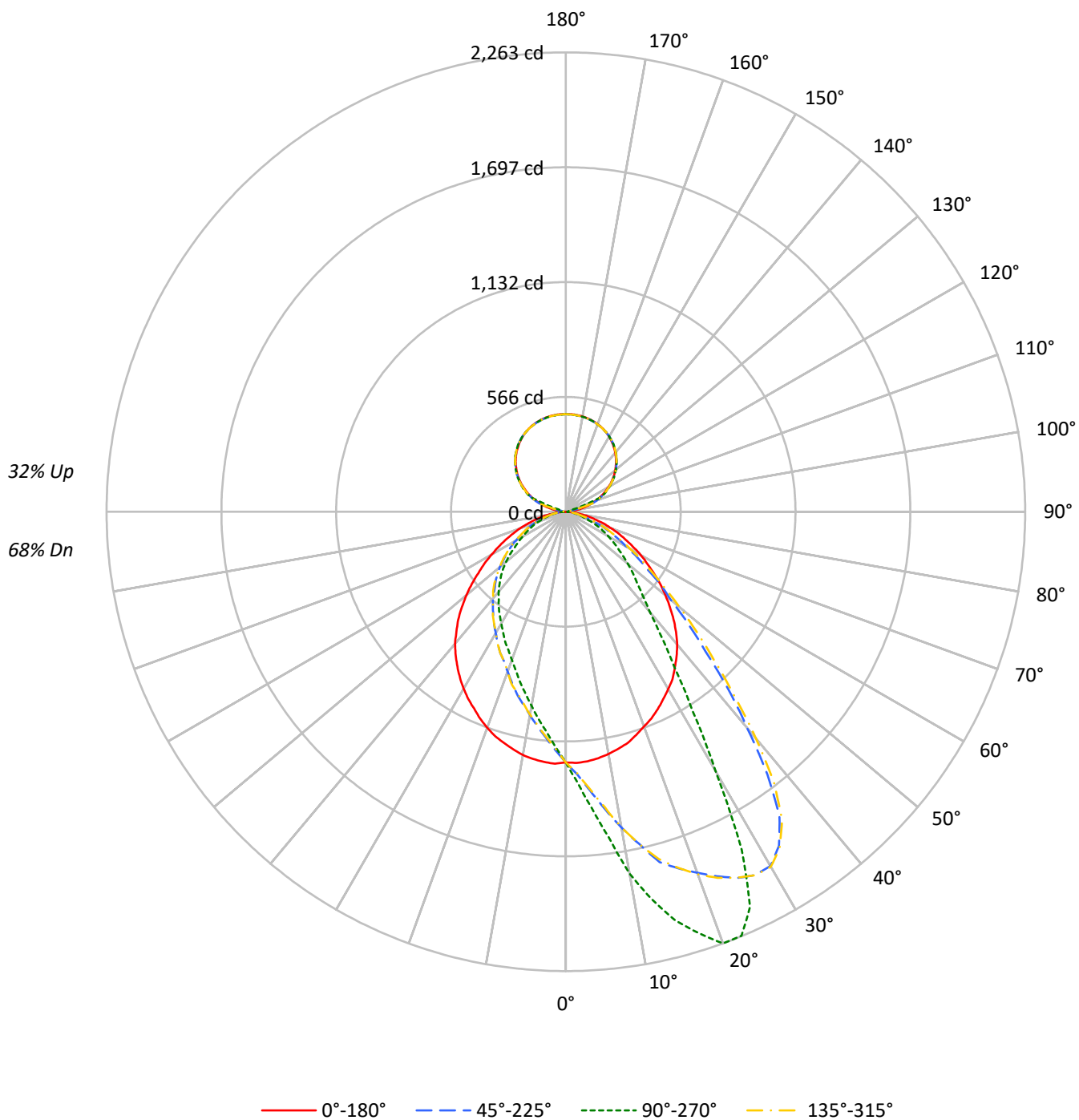
Lumens per Lamp: N/A
Luminaire Lumens: 4541.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	13292	13292	13292	13292
5°	13303	15310	13337	11357
10°	13186	18481	13242	9920
15°	13050	20974	13050	8747
20°	12782	22624	12854	7759
25°	12586	21495	12562	7080
30°	12359	14892	12332	6416
35°	12084	9562	12030	5915
40°	11742	6752	11684	5417
45°	11149	5403	11132	4932
50°	10419	4520	10384	4365
55°	9598	3725	9522	3700
60°	8792	3079	8706	3146
65°	7847	2464	7898	2667
70°	6973	1712	7162	2156
75°	5911	1270	6155	1658
80°	4707	842	5109	1244
85°	3352	399	3660	774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.7
10°-20°	379.6	8.4
20°-30°	597.9	13.2
30°-40°	621.7	13.7
40°-50°	531.9	11.7
50°-60°	405.5	8.9
60°-70°	259.8	5.7
70°-80°	124.5	2.7
80°-90°	33.7	0.7
90°-100°	16.9	0.4
100°-110°	81.9	1.8
110°-120°	200.8	4.4
120°-130°	254.9	5.6
130°-140°	272.3	6.0
140°-150°	254.6	5.6
150°-160°	205.4	4.5
160°-170°	132.5	2.9
170°-180°	45.7	1.0
0°-30°	1098.8	24.2
0°-40°	1720.5	37.9
0°-60°	2658.0	58.5
0°-90°	3076.0	67.7
90°-120°	299.6	6.6
90°-150°	1081.4	23.8
90°-180°	1465.0	32.3
0°-180°	4541.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1235	1235	1235	1235	1235	
5°	1234	1466	1237	1088	1234	117
15°	1179	2084	1179	869	1179	332
25°	1072	2147	1070	707	1072	494
35°	936	932	932	576	936	586
45°	751	497	750	454	751	578
55°	530	312	526	310	530	475
65°	325	180	327	194	325	324
75°	155	76	162	99	155	168
85°	35	18	38	35	35	39
90°	0	11	0	11	0	3
95°	22	14	22	14	22	26
105°	106	16	106	16	106	113
115°	200	210	200	210	200	197
125°	281	287	281	287	281	251
135°	350	354	350	354	350	270
145°	404	408	404	408	404	253
155°	445	444	445	444	445	205
165°	470	468	470	468	470	133
175°	481	479	481	479	481	46
180°	481	481	481	481	481	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1238.1	1246.5	1252.9	1257.1	1267.7	1274.0	1279.3	1288.8	1288.8	1290.9	1295.2
5°	1233.9	1251.8	1264.5	1281.4	1303.6	1314.2	1329.0	1341.7	1359.7	1369.2	1378.7
7.5°	1224.3	1249.7	1276.1	1301.5	1334.3	1355.4	1370.2	1403.0	1426.3	1454.8	1477.0
10°	1211.7	1246.5	1280.4	1319.5	1363.9	1395.6	1417.8	1461.2	1505.6	1545.8	1579.6
12.5°	1195.8	1238.1	1286.7	1334.3	1396.7	1428.4	1464.3	1518.3	1581.7	1632.5	1677.9
15°	1178.9	1227.5	1282.5	1340.6	1418.9	1463.3	1515.1	1580.6	1651.5	1724.4	1786.8
17.5°	1152.4	1213.8	1275.1	1359.7	1451.7	1478.1	1522.5	1612.4	1700.1	1765.7	1841.8
20°	1126.0	1194.7	1271.9	1348.0	1447.4	1508.7	1550.0	1645.1	1739.2	1818.5	1891.5
22.5°	1101.7	1173.6	1253.9	1350.2	1443.2	1504.5	1556.3	1655.7	1764.6	1853.4	1943.3
25°	1072.1	1150.3	1239.1	1330.1	1443.2	1489.7	1546.8	1662.1	1777.3	1879.9	1990.9
27.5°	1040.4	1119.7	1207.4	1300.5	1404.1	1472.8	1528.8	1652.5	1793.2	1903.1	2017.3
30°	1008.7	1090.1	1174.6	1258.2	1374.5	1440.0	1504.5	1640.9	1801.6	1927.4	2015.2
32.5°	978.0	1046.7	1130.2	1211.7	1326.9	1398.8	1471.7	1629.3	1804.8	1910.5	1952.8
35°	935.7	1007.6	1075.3	1162.0	1278.3	1349.1	1434.7	1628.2	1791.0	1856.6	1835.5
37.5°	896.6	956.8	1021.3	1098.5	1218.0	1310.0	1398.8	1600.7	1745.6	1749.8	1630.3
40°	853.2	902.9	956.8	1038.3	1167.2	1258.2	1354.4	1558.4	1663.1	1600.7	1390.3
42.5°	803.5	847.9	890.2	969.5	1110.2	1211.7	1315.3	1505.6	1543.6	1399.8	1181.0
45°	750.7	786.6	825.7	909.3	1049.9	1150.3	1253.9	1424.2	1385.0	1182.0	973.8
47.5°	695.7	726.4	764.4	840.5	985.4	1087.9	1186.3	1307.9	1208.5	990.7	816.2
50°	640.7	665.0	702.0	780.3	919.8	1012.9	1103.8	1183.1	1043.5	850.1	674.5
52.5°	586.8	605.8	643.9	710.5	845.8	934.6	1000.2	1030.9	889.2	702.0	585.7
55°	529.7	550.8	576.2	643.9	778.2	843.7	887.1	886.0	740.1	595.3	484.2
57.5°	474.7	493.8	516.0	583.6	692.5	736.9	773.9	756.0	617.5	487.4	415.5
60°	426.1	436.7	461.0	518.1	600.5	638.6	659.7	629.1	504.3	411.3	343.6
62.5°	373.2	383.8	403.9	457.8	508.6	528.6	546.6	507.5	416.6	335.2	293.9
65°	324.6	338.3	351.0	394.4	421.9	446.2	444.1	411.3	325.6	272.8	238.9
67.5°	282.3	287.6	298.2	324.6	337.3	355.2	356.3	319.3	262.2	222.0	201.9
70°	236.8	242.1	249.5	262.2	270.7	274.9	272.8	240.0	197.7	173.4	155.4
72.5°	197.7	196.7	201.9	201.9	210.4	209.3	203.0	177.6	150.1	130.0	119.5
75°	155.4	156.5	157.5	155.4	152.2	148.0	142.7	123.7	105.7	96.2	86.7
77.5°	121.6	119.5	120.5	113.1	108.9	104.7	97.3	87.8	73.0	70.8	66.6
80°	86.7	85.6	84.6	81.4	71.9	67.7	62.4	57.1	53.9	51.8	50.7
82.5°	58.2	58.2	56.0	49.7	44.4	41.2	40.2	38.1	34.9	34.9	33.8
85°	34.9	33.8	31.7	25.4	22.2	22.2	22.2	22.2	20.1	20.1	19.0
87.5°	13.7	12.7	9.5	9.5	8.5	8.5	8.5	7.4	7.4	6.3	6.3
90°	0.4	1.2	2.0	2.7	3.5	3.9	4.4	5.5	6.5	7.6	8.6
92.5°	8.2	7.7	7.3	6.8	6.3	6.1	6.5	7.2	7.9	8.6	9.3
95°	21.8	18.5	15.3	12.0	8.7	7.1	7.5	8.4	9.3	10.2	11.1
97.5°	39.6	37.4	35.2	32.9	30.7	29.6	27.6	23.5	19.5	15.4	11.4
100°	60.3	61.9	63.5	65.1	66.7	67.5	61.3	48.9	36.6	24.2	11.8
102.5°	83.9	84.9	85.9	87.0	88.0	88.5	81.6	67.8	54.0	40.2	26.4
105°	106.4	107.3	108.1	109.0	109.9	110.3	106.7	99.6	92.5	85.3	78.2
107.5°	130.3	131.0	131.7	132.4	133.1	133.5	134.1	135.3	136.5	137.7	138.9
110°	154.2	154.8	155.5	156.1	156.8	157.1	157.5	158.4	159.3	160.1	161.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	177.1	177.7	178.2	178.8	179.3	179.6	180.0	180.9	181.8	182.6	183.5
115°	199.6	200.1	200.5	201.0	201.5	201.7	202.1	202.8	203.5	204.2	204.9
117.5°	221.7	222.3	222.8	223.4	223.9	224.2	224.4	224.8	225.2	225.6	226.0
120°	242.1	242.8	243.5	244.2	244.9	245.3	245.4	245.7	245.9	246.2	246.4
122.5°	262.8	263.4	263.9	264.5	265.0	265.3	265.5	265.8	266.1	266.4	266.7
125°	281.3	281.9	282.6	283.2	283.9	284.2	284.4	284.7	285.0	285.3	285.6
127.5°	299.9	300.5	301.2	301.8	302.5	302.8	303.0	303.4	303.7	304.1	304.5
130°	317.0	317.6	318.3	318.9	319.6	319.9	320.1	320.4	320.7	321.0	321.3
132.5°	333.5	334.1	334.7	335.4	336.0	336.3	336.4	336.7	336.9	337.2	337.4
135°	350.2	350.7	351.2	351.7	352.2	352.4	352.6	352.9	353.2	353.5	353.8
137.5°	364.5	365.1	365.8	366.4	367.1	367.4	367.5	367.6	367.8	367.9	368.1
140°	378.8	379.3	379.8	380.3	380.8	381.0	381.1	381.3	381.6	381.8	382.0
142.5°	392.0	392.5	393.0	393.5	394.0	394.2	394.3	394.5	394.8	395.0	395.2
145°	404.2	404.8	405.3	405.9	406.4	406.7	406.8	406.9	407.1	407.2	407.4
147.5°	415.9	416.3	416.7	417.1	417.5	417.7	417.8	417.9	418.1	418.2	418.4
150°	426.7	426.9	427.1	427.4	427.6	427.7	427.8	427.9	428.1	428.2	428.4
152.5°	436.3	436.4	436.4	436.5	436.6	436.6	436.6	436.7	436.8	436.9	437.0
155°	445.2	445.0	444.9	444.7	444.6	444.5	444.5	444.6	444.7	444.8	444.9
157.5°	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.3	452.2	452.1	452.0
160°	458.8	458.7	458.6	458.5	458.4	458.4	458.4	458.3	458.2	458.2	458.1
162.5°	464.9	464.7	464.4	464.2	463.9	463.8	463.8	463.7	463.6	463.5	463.4
165°	469.5	469.3	469.0	468.8	468.5	468.4	468.4	468.3	468.2	468.2	468.1
167.5°	473.4	473.1	472.8	472.5	472.2	472.0	472.0	472.0	472.0	472.0	472.0
170°	476.6	476.3	476.0	475.7	475.4	475.2	475.2	475.2	475.2	475.2	475.2
172.5°	478.8	478.4	478.0	477.6	477.2	477.0	477.0	477.1	477.2	477.3	477.4
175°	480.6	480.2	479.8	479.4	479.0	478.8	478.8	478.9	479.0	479.0	479.1
177.5°	481.3	480.9	480.5	480.1	479.7	479.5	479.5	479.6	479.7	479.7	479.8
180°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1303.6	1303.6	1313.2	1322.7	1317.4	1320.6	1332.2	1328.0	1336.4	1335.4	1338.5
5°	1402.0	1413.6	1423.1	1443.2	1446.4	1443.2	1463.3	1468.6	1478.1	1466.5	1471.7
7.5°	1513.0	1537.3	1560.6	1590.2	1599.7	1601.8	1612.4	1627.2	1639.9	1616.6	1628.2
10°	1620.8	1657.8	1705.4	1731.8	1755.1	1763.6	1772.0	1781.5	1796.3	1810.1	1799.5
12.5°	1737.1	1791.0	1836.5	1884.1	1912.6	1909.5	1933.8	1940.1	1951.8	1954.9	1959.2
15°	1832.3	1908.4	1937.0	2007.8	2014.1	2035.3	2062.8	2087.1	2090.3	2083.9	2083.9
17.5°	1923.2	1988.8	2039.5	2096.6	2108.2	2126.2	2161.1	2172.7	2177.0	2175.9	2175.9
20°	1997.2	2040.6	2126.2	2173.8	2192.8	2216.1	2240.4	2255.2	2258.4	2262.6	2256.3
22.5°	2045.9	2111.4	2181.2	2220.3	2236.2	2244.6	2260.5	2264.7	2259.4	2260.5	2261.5
25°	2083.9	2148.4	2190.7	2201.3	2200.2	2189.6	2178.0	2157.9	2155.8	2147.4	2130.4
27.5°	2094.5	2118.8	2113.5	2070.2	2026.8	2022.6	1952.8	1914.7	1871.4	1877.7	1853.4
30°	2037.4	2005.7	1930.6	1820.6	1775.2	1701.2	1622.9	1541.5	1509.8	1474.9	1539.4
32.5°	1897.8	1784.7	1651.5	1508.7	1432.6	1367.1	1283.5	1224.3	1190.5	1162.0	1216.9
35°	1687.4	1510.9	1334.3	1199.0	1136.6	1077.4	999.1	969.5	927.2	931.5	936.8
37.5°	1416.8	1222.2	1089.0	955.8	914.6	890.2	833.1	787.7	772.9	768.6	768.6
40°	1163.0	1003.4	885.0	780.3	748.6	728.5	683.0	661.9	646.0	641.8	647.1
42.5°	962.1	825.7	733.8	664.0	641.8	616.4	597.4	570.9	567.8	560.4	569.9
45°	807.8	689.4	620.6	569.9	550.8	541.3	520.2	504.3	498.0	496.9	504.3
47.5°	685.1	593.1	532.9	501.2	486.4	476.8	458.9	452.5	446.2	448.3	445.1
50°	575.2	506.4	467.3	438.8	429.3	419.7	408.1	401.8	398.6	398.6	397.5
52.5°	493.8	436.7	411.3	384.9	380.6	375.3	362.6	358.4	353.1	352.1	356.3
55°	422.9	383.8	358.4	342.6	338.3	327.8	322.5	317.2	314.0	311.9	313.0
57.5°	361.6	332.0	315.1	301.3	293.9	289.7	280.2	279.1	277.0	277.0	276.0
60°	310.8	289.7	269.6	261.2	255.9	250.6	249.5	243.2	240.0	242.1	241.1
62.5°	263.3	246.3	234.7	225.2	222.0	217.8	214.6	212.5	209.3	210.4	210.4
65°	219.9	206.2	197.7	189.3	188.2	184.0	182.9	180.8	180.8	179.7	181.9
67.5°	180.8	171.3	163.9	158.6	155.4	156.5	152.2	149.1	149.1	148.0	151.2
70°	143.8	138.5	131.1	124.8	120.5	120.5	115.2	114.2	114.2	114.2	113.1
72.5°	111.0	101.5	98.3	96.2	96.2	96.2	94.1	94.1	93.0	94.1	93.0
75°	82.5	81.4	79.3	78.2	78.2	77.2	76.1	76.1	76.1	76.1	76.1
77.5°	64.5	64.5	62.4	61.3	61.3	61.3	60.3	60.3	59.2	59.2	59.2
80°	47.6	47.6	45.5	45.5	45.5	44.4	44.4	44.4	45.5	44.4	44.4
82.5°	32.8	32.8	31.7	32.8	31.7	30.7	30.7	30.7	29.6	30.7	30.7
85°	19.0	19.0	18.0	16.9	18.0	18.0	16.9	18.0	16.9	18.0	16.9
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°	8.9	9.2	9.5	9.8	10.0	10.1	10.2	10.4	10.5	10.7	10.5
92.5°	9.9	10.4	11.0	11.5	11.8	11.8	11.9	12.0	12.0	12.1	12.0
95°	11.7	12.2	12.8	13.3	13.6	13.6	13.6	13.6	13.6	13.6	13.6
97.5°	12.0	12.7	13.3	14.0	14.3	14.3	14.4	14.5	14.5	14.6	14.5
100°	12.4	13.0	13.7	14.3	14.6	14.6	14.7	14.8	14.9	15.0	14.9
102.5°	23.8	21.2	18.5	15.9	14.6	14.7	14.9	15.0	15.2	15.4	15.2
105°	64.2	50.1	36.1	22.0	15.0	15.1	15.2	15.4	15.5	15.7	15.5
107.5°	126.7	114.5	102.2	90.0	83.9	78.7	68.3	57.9	47.5	37.1	47.5
110°	158.4	155.8	153.1	150.5	149.2	143.5	132.2	120.9	109.5	98.2	109.5

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	184.2	184.9	185.6	186.3	186.7	186.6	186.5	186.3	186.2	186.0	186.2
115°	205.7	206.5	207.3	208.1	208.5	208.7	209.0	209.3	209.6	209.9	209.6
117.5°	226.6	227.3	227.9	228.6	228.9	228.9	229.0	229.1	229.1	229.2	229.1
120°	247.0	247.6	248.3	248.9	249.2	249.2	249.2	249.2	249.2	249.2	249.2
122.5°	267.1	267.5	267.9	268.3	268.5	268.5	268.6	268.7	268.7	268.8	268.7
125°	285.8	285.9	286.1	286.2	286.3	286.4	286.6	286.7	286.9	287.1	286.9
127.5°	304.7	305.0	305.2	305.5	305.6	305.5	305.4	305.2	305.1	304.9	305.1
130°	321.6	322.0	322.3	322.6	322.8	322.7	322.5	322.4	322.2	322.0	322.2
132.5°	337.7	338.0	338.3	338.6	338.8	338.7	338.5	338.2	338.0	337.8	338.0
135°	354.0	354.3	354.5	354.8	354.9	354.8	354.5	354.3	354.0	353.8	354.0
137.5°	368.5	368.9	369.3	369.7	369.9	369.8	369.7	369.5	369.4	369.2	369.4
140°	382.3	382.7	383.0	383.3	383.5	383.4	383.2	383.1	382.9	382.7	382.9
142.5°	395.4	395.7	395.9	396.2	396.3	396.2	395.9	395.7	395.4	395.2	395.4
145°	407.6	407.7	407.9	408.0	408.1	408.1	408.1	408.1	408.1	408.1	408.1
147.5°	418.6	418.8	418.9	419.1	419.2	419.0	418.6	418.2	417.8	417.4	417.8
150°	428.6	428.8	428.9	429.1	429.2	429.1	428.8	428.6	428.3	428.1	428.3
152.5°	437.3	437.6	437.9	438.2	438.4	438.2	437.8	437.4	437.0	436.6	437.0
155°	445.3	445.7	446.0	446.4	446.6	446.4	445.9	445.4	445.0	444.5	445.0
157.5°	452.5	452.9	453.4	453.9	454.1	453.8	453.2	452.5	451.9	451.3	451.9
160°	458.6	459.0	459.5	460.0	460.2	459.9	459.4	458.8	458.3	457.7	458.3
162.5°	464.0	464.5	465.1	465.6	465.9	465.7	465.2	464.7	464.3	463.8	464.3
165°	468.7	469.3	470.0	470.6	470.9	470.6	470.1	469.5	469.0	468.4	469.0
167.5°	472.6	473.3	473.9	474.6	474.9	474.6	473.9	473.3	472.6	472.0	472.6
170°	475.8	476.5	477.1	477.8	478.1	477.8	477.1	476.5	475.8	475.2	475.8
172.5°	478.0	478.6	479.3	479.9	480.2	479.8	479.1	478.4	477.7	477.0	477.7
175°	479.7	480.2	480.8	481.3	481.6	481.3	480.7	480.0	479.4	478.8	479.4
177.5°	480.4	481.1	481.7	482.4	482.7	482.3	481.5	480.7	479.9	479.1	479.9
180°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1333.2	1326.9	1322.7	1319.5	1316.3	1325.8	1313.2	1299.4	1289.9	1283.5	1281.4
5°	1472.8	1459.1	1447.4	1437.9	1440.0	1440.0	1417.8	1393.5	1372.4	1360.7	1348.0
7.5°	1634.6	1619.8	1596.5	1591.2	1587.0	1560.6	1538.4	1493.9	1467.5	1441.1	1417.8
10°	1795.3	1776.2	1754.0	1746.6	1736.1	1703.3	1669.5	1612.4	1579.6	1531.0	1500.3
12.5°	1945.4	1922.1	1899.9	1894.7	1878.8	1850.3	1792.1	1732.9	1676.9	1625.1	1571.1
15°	2071.2	2064.9	2031.1	2009.9	1975.0	1935.9	1923.2	1842.9	1772.0	1718.1	1620.8
17.5°	2177.0	2147.4	2115.6	2101.9	2088.1	2042.7	1997.2	1914.7	1838.6	1759.3	1696.9
20°	2261.5	2228.8	2206.6	2186.5	2180.1	2128.3	2056.4	1983.5	1899.9	1811.1	1729.7
22.5°	2265.8	2261.5	2246.7	2235.1	2222.4	2188.6	2131.5	2040.6	1951.8	1854.5	1747.7
25°	2178.0	2171.7	2214.0	2203.4	2211.8	2199.2	2168.5	2092.4	1988.8	1874.6	1766.7
27.5°	1913.7	1978.2	2044.8	2068.1	2083.9	2129.4	2144.2	2101.9	2018.4	1896.8	1776.2
30°	1554.2	1639.9	1747.7	1805.8	1850.3	1934.8	2044.8	2058.5	2019.4	1922.1	1774.1
32.5°	1220.1	1298.3	1385.0	1453.8	1513.0	1686.4	1834.4	1941.2	1960.2	1909.5	1779.4
35°	983.3	1017.1	1099.6	1165.1	1245.5	1393.5	1568.0	1740.3	1856.6	1862.9	1763.6
37.5°	810.9	828.9	900.8	937.8	985.4	1115.4	1278.3	1503.5	1684.3	1769.9	1719.2
40°	671.4	712.6	753.8	775.0	808.8	898.7	1055.2	1231.7	1455.9	1614.5	1650.4
42.5°	582.6	600.5	627.0	656.6	677.7	756.0	860.6	1022.4	1224.3	1445.3	1544.7
45°	513.8	520.2	547.7	566.7	588.9	643.9	717.9	853.2	1030.9	1248.7	1417.8
47.5°	456.7	469.4	484.2	495.9	510.7	553.0	616.4	714.7	871.2	1065.7	1247.6
50°	406.0	413.4	432.4	437.7	448.3	477.9	526.5	601.6	730.6	886.0	1074.2
52.5°	358.4	372.2	379.6	387.0	396.5	420.8	452.5	513.8	611.1	757.0	916.7
55°	321.4	325.6	336.2	342.6	350.0	366.9	394.4	439.8	516.0	632.3	783.5
57.5°	285.5	285.5	296.0	301.3	308.7	321.4	345.7	380.6	435.6	522.3	660.8
60°	247.4	248.5	256.9	263.3	265.4	278.1	298.2	325.6	367.9	431.4	544.5
62.5°	213.6	218.9	223.1	225.2	232.6	240.0	256.9	276.0	305.6	361.6	441.9
65°	185.0	186.1	189.3	191.4	194.5	203.0	215.7	228.4	253.7	295.0	360.5
67.5°	152.2	156.5	160.7	160.7	163.9	168.1	180.8	191.4	210.4	234.7	279.1
70°	114.2	116.3	122.6	125.8	130.0	137.4	143.8	150.1	164.9	182.9	216.7
72.5°	95.2	95.2	97.3	98.3	98.3	103.6	113.1	119.5	126.9	139.6	162.8
75°	76.1	76.1	79.3	78.2	80.4	82.5	83.5	87.8	92.0	101.5	115.2
77.5°	60.3	61.3	61.3	62.4	62.4	63.4	64.5	66.6	68.7	74.0	80.4
80°	44.4	45.5	45.5	46.5	46.5	47.6	48.6	49.7	51.8	53.9	57.1
82.5°	30.7	31.7	31.7	32.8	31.7	32.8	33.8	33.8	34.9	37.0	38.1
85°	18.0	18.0	19.0	18.0	18.0	18.0	19.0	19.0	20.1	23.3	23.3
87.5°	5.3	6.3	5.3	6.3	6.3	6.3	6.3	7.4	7.4	8.5	9.5
90°	10.4	10.2	10.1	10.0	9.8	9.5	9.2	8.9	8.6	7.6	6.5
92.5°	12.0	11.9	11.8	11.8	11.5	11.0	10.4	9.9	9.3	8.6	7.9
95°	13.6	13.6	13.6	13.6	13.3	12.8	12.2	11.7	11.1	10.2	9.3
97.5°	14.5	14.4	14.3	14.3	14.0	13.3	12.7	12.0	11.4	15.4	19.5
100°	14.8	14.7	14.6	14.6	14.3	13.7	13.0	12.4	11.8	24.2	36.6
102.5°	15.0	14.9	14.7	14.6	15.9	18.5	21.2	23.8	26.4	40.2	54.0
105°	15.4	15.2	15.1	15.0	22.0	36.1	50.1	64.2	78.2	85.3	92.5
107.5°	57.9	68.3	78.7	83.9	90.0	102.2	114.5	126.7	138.9	137.7	136.5
110°	120.9	132.2	143.5	149.2	150.5	153.1	155.8	158.4	161.0	160.1	159.3

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	186.3	186.5	186.6	186.7	186.3	185.6	184.9	184.2	183.5	182.6	181.8
115°	209.3	209.0	208.7	208.5	208.1	207.3	206.5	205.7	204.9	204.2	203.5
117.5°	229.1	229.0	228.9	228.9	228.6	227.9	227.3	226.6	226.0	225.6	225.2
120°	249.2	249.2	249.2	249.2	248.9	248.3	247.6	247.0	246.4	246.2	245.9
122.5°	268.7	268.6	268.5	268.5	268.3	267.9	267.5	267.1	266.7	266.4	266.1
125°	286.7	286.6	286.4	286.3	286.2	286.1	285.9	285.8	285.6	285.3	285.0
127.5°	305.2	305.4	305.5	305.6	305.5	305.2	305.0	304.7	304.5	304.1	303.7
130°	322.4	322.5	322.7	322.8	322.6	322.3	322.0	321.6	321.3	321.0	320.7
132.5°	338.2	338.5	338.7	338.8	338.6	338.3	338.0	337.7	337.4	337.2	336.9
135°	354.3	354.5	354.8	354.9	354.8	354.5	354.3	354.0	353.8	353.5	353.2
137.5°	369.5	369.7	369.8	369.9	369.7	369.3	368.9	368.5	368.1	367.9	367.8
140°	383.1	383.2	383.4	383.5	383.3	383.0	382.7	382.3	382.0	381.8	381.6
142.5°	395.7	395.9	396.2	396.3	396.2	395.9	395.7	395.4	395.2	395.0	394.8
145°	408.1	408.1	408.1	408.1	408.0	407.9	407.7	407.6	407.4	407.2	407.1
147.5°	418.2	418.6	419.0	419.2	419.1	418.9	418.8	418.6	418.4	418.2	418.1
150°	428.6	428.8	429.1	429.2	429.1	428.9	428.8	428.6	428.4	428.2	428.1
152.5°	437.4	437.8	438.2	438.4	438.2	437.9	437.6	437.3	437.0	436.9	436.8
155°	445.4	445.9	446.4	446.6	446.4	446.0	445.7	445.3	444.9	444.8	444.7
157.5°	452.5	453.2	453.8	454.1	453.9	453.4	452.9	452.5	452.0	452.1	452.2
160°	458.8	459.4	459.9	460.2	460.0	459.5	459.0	458.6	458.1	458.2	458.2
162.5°	464.7	465.2	465.7	465.9	465.6	465.1	464.5	464.0	463.4	463.5	463.6
165°	469.5	470.1	470.6	470.9	470.6	470.0	469.3	468.7	468.1	468.2	468.2
167.5°	473.3	473.9	474.6	474.9	474.6	473.9	473.3	472.6	472.0	472.0	472.0
170°	476.5	477.1	477.8	478.1	477.8	477.1	476.5	475.8	475.2	475.2	475.2
172.5°	478.4	479.1	479.8	480.2	479.9	479.3	478.6	478.0	477.4	477.3	477.2
175°	480.0	480.7	481.3	481.6	481.3	480.8	480.2	479.7	479.1	479.0	479.0
177.5°	480.7	481.5	482.3	482.7	482.4	481.7	481.1	480.4	479.8	479.7	479.7
180°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1278.3	1273.0	1267.7	1267.7	1256.1	1245.5	1240.2	1242.3	1236.0	1227.5	1219.1
5°	1334.3	1313.2	1308.9	1297.3	1281.4	1259.2	1247.6	1237.0	1224.3	1207.4	1191.6
7.5°	1386.1	1358.6	1343.8	1332.2	1301.5	1270.9	1245.5	1228.6	1206.4	1181.0	1162.0
10°	1453.8	1403.0	1387.2	1360.7	1317.4	1274.0	1244.4	1216.9	1186.3	1156.7	1131.3
12.5°	1507.7	1449.5	1419.9	1393.5	1337.5	1282.5	1232.8	1199.0	1162.0	1129.2	1096.4
15°	1569.0	1503.5	1451.7	1419.9	1349.1	1282.5	1226.5	1178.9	1137.6	1097.5	1068.9
17.5°	1598.6	1516.2	1492.9	1447.4	1344.9	1278.3	1209.5	1158.8	1109.1	1062.6	1028.7
20°	1645.1	1548.9	1490.8	1460.1	1369.2	1270.9	1190.5	1132.4	1080.5	1030.9	994.9
22.5°	1648.3	1543.6	1505.6	1447.4	1335.4	1248.7	1173.6	1102.8	1042.5	996.0	959.0
25°	1640.9	1534.1	1481.3	1434.7	1341.7	1236.0	1139.8	1070.0	1010.8	956.8	913.5
27.5°	1637.7	1506.6	1456.9	1410.4	1305.8	1199.0	1119.7	1040.4	972.7	925.1	880.7
30°	1633.5	1477.0	1416.8	1362.8	1266.6	1170.4	1075.3	1006.5	942.0	881.8	837.4
32.5°	1606.0	1436.9	1375.5	1318.4	1214.8	1118.6	1043.5	970.6	900.8	844.8	804.6
35°	1597.6	1399.8	1319.5	1258.2	1156.7	1071.0	991.7	931.5	865.9	809.9	762.3
37.5°	1573.2	1361.8	1275.1	1196.8	1091.1	1009.7	951.6	891.3	827.9	767.6	729.5
40°	1531.0	1317.4	1219.1	1138.7	1029.8	947.3	893.4	849.0	786.6	732.7	686.2
42.5°	1468.6	1271.9	1166.2	1081.6	961.1	883.9	839.5	797.2	744.3	688.3	650.2
45°	1396.7	1211.7	1113.3	1019.2	896.6	821.5	775.0	749.6	701.0	653.4	609.0
47.5°	1298.3	1149.3	1052.0	954.7	830.0	757.0	720.0	694.6	660.8	609.0	573.1
50°	1174.6	1068.9	976.9	890.2	764.4	694.6	657.6	638.6	610.1	573.1	538.2
52.5°	1037.2	975.9	899.8	819.4	697.8	632.3	598.4	583.6	562.5	527.6	498.0
55°	898.7	872.3	820.5	741.2	628.0	574.1	544.5	525.5	509.6	484.2	458.9
57.5°	775.0	762.3	726.4	665.0	569.9	513.8	488.5	475.8	463.1	444.1	418.7
60°	647.1	660.8	623.8	593.1	506.4	457.8	435.6	421.9	415.5	398.6	382.7
62.5°	536.0	548.7	527.6	504.3	443.0	399.7	385.9	373.2	369.0	354.2	338.3
65°	435.6	451.5	435.6	422.9	385.9	350.0	333.0	326.7	322.5	313.0	300.3
67.5°	346.8	362.6	355.2	339.4	327.8	298.2	288.6	282.3	280.2	272.8	262.2
70°	261.2	283.4	285.5	276.0	265.4	251.6	245.3	243.2	237.9	231.5	225.2
72.5°	188.2	213.6	214.6	214.6	208.3	208.3	201.9	198.8	198.8	192.4	185.0
75°	138.5	155.4	157.5	159.7	162.8	166.0	161.8	161.8	160.7	154.4	151.2
77.5°	92.0	106.8	112.1	119.5	123.7	123.7	125.8	127.9	125.8	122.6	120.5
80°	59.2	69.8	76.1	80.4	86.7	89.9	93.0	94.1	92.0	90.9	87.8
82.5°	39.1	42.3	45.5	50.7	58.2	63.4	63.4	62.4	64.5	63.4	62.4
85°	22.2	24.3	25.4	26.4	30.7	35.9	37.0	38.1	40.2	38.1	35.9
87.5°	8.5	9.5	9.5	9.5	11.6	12.7	15.9	20.1	19.0	16.9	16.9
90°	5.5	4.4	3.9	3.5	2.7	2.0	1.2	0.4	1.2	2.0	2.7
92.5°	7.2	6.5	6.1	6.3	6.8	7.3	7.7	8.2	7.7	7.3	6.8
95°	8.4	7.5	7.1	8.7	12.0	15.3	18.5	21.8	18.5	15.3	12.0
97.5°	23.5	27.6	29.6	30.7	32.9	35.2	37.4	39.6	37.4	35.2	32.9
100°	48.9	61.3	67.5	66.7	65.1	63.5	61.9	60.3	61.9	63.5	65.1
102.5°	67.8	81.6	88.5	88.0	87.0	85.9	84.9	83.9	84.9	85.9	87.0
105°	99.6	106.7	110.3	109.9	109.0	108.1	107.3	106.4	107.3	108.1	109.0
107.5°	135.3	134.1	133.5	133.1	132.4	131.7	131.0	130.3	131.0	131.7	132.4
110°	158.4	157.5	157.1	156.8	156.1	155.5	154.8	154.2	154.8	155.5	156.1

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	180.9	180.0	179.6	179.3	178.8	178.2	177.7	177.1	177.7	178.2	178.8
115°	202.8	202.1	201.7	201.5	201.0	200.5	200.1	199.6	200.1	200.5	201.0
117.5°	224.8	224.4	224.2	223.9	223.4	222.8	222.3	221.7	222.3	222.8	223.4
120°	245.7	245.4	245.3	244.9	244.2	243.5	242.8	242.1	242.8	243.5	244.2
122.5°	265.8	265.5	265.3	265.0	264.5	263.9	263.4	262.8	263.4	263.9	264.5
125°	284.7	284.4	284.2	283.9	283.2	282.6	281.9	281.3	281.9	282.6	283.2
127.5°	303.4	303.0	302.8	302.5	301.8	301.2	300.5	299.9	300.5	301.2	301.8
130°	320.4	320.1	319.9	319.6	318.9	318.3	317.6	317.0	317.6	318.3	318.9
132.5°	336.7	336.4	336.3	336.0	335.4	334.7	334.1	333.5	334.1	334.7	335.4
135°	352.9	352.6	352.4	352.2	351.7	351.2	350.7	350.2	350.7	351.2	351.7
137.5°	367.6	367.5	367.4	367.1	366.4	365.8	365.1	364.5	365.1	365.8	366.4
140°	381.3	381.1	381.0	380.8	380.3	379.8	379.3	378.8	379.3	379.8	380.3
142.5°	394.5	394.3	394.2	394.0	393.5	393.0	392.5	392.0	392.5	393.0	393.5
145°	406.9	406.8	406.7	406.4	405.9	405.3	404.8	404.2	404.8	405.3	405.9
147.5°	417.9	417.8	417.7	417.5	417.1	416.7	416.3	415.9	416.3	416.7	417.1
150°	427.9	427.8	427.7	427.6	427.4	427.1	426.9	426.7	426.9	427.1	427.4
152.5°	436.7	436.6	436.6	436.6	436.5	436.4	436.4	436.3	436.4	436.4	436.5
155°	444.6	444.5	444.5	444.6	444.7	444.9	445.0	445.2	445.0	444.9	444.7
157.5°	452.3	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4
160°	458.3	458.4	458.4	458.4	458.5	458.6	458.7	458.8	458.7	458.6	458.5
162.5°	463.7	463.8	463.8	463.9	464.2	464.4	464.7	464.9	464.7	464.4	464.2
165°	468.3	468.4	468.4	468.5	468.8	469.0	469.3	469.5	469.3	469.0	468.8
167.5°	472.0	472.0	472.0	472.2	472.5	472.8	473.1	473.4	473.1	472.8	472.5
170°	475.2	475.2	475.2	475.4	475.7	476.0	476.3	476.6	476.3	476.0	475.7
172.5°	477.1	477.0	477.0	477.2	477.6	478.0	478.4	478.8	478.4	478.0	477.6
175°	478.9	478.8	478.8	479.0	479.4	479.8	480.2	480.6	480.2	479.8	479.4
177.5°	479.6	479.5	479.5	479.7	480.1	480.5	480.9	481.3	480.9	480.5	480.1
180°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1219.1	1213.8	1211.7	1206.4	1193.7	1185.2	1175.7	1169.4	1170.4	1165.1	1168.3
5°	1181.0	1179.9	1172.5	1162.0	1144.0	1134.5	1117.6	1109.1	1104.9	1105.9	1099.6
7.5°	1149.3	1139.8	1134.5	1117.6	1100.6	1080.5	1066.8	1059.4	1053.1	1046.7	1042.5
10°	1113.3	1104.9	1096.4	1078.4	1055.2	1036.1	1017.1	1009.7	1000.2	996.0	992.8
12.5°	1075.3	1070.0	1059.4	1038.3	1011.8	993.9	971.6	967.4	954.7	946.3	944.2
15°	1040.4	1037.2	1018.2	993.9	967.4	949.4	930.4	917.7	896.6	900.8	893.4
17.5°	1003.4	989.6	978.0	945.2	932.5	905.0	882.8	876.5	861.7	852.2	842.7
20°	962.1	953.7	938.9	917.7	887.1	855.3	838.4	827.9	819.4	804.6	800.4
22.5°	923.0	912.4	899.8	872.3	845.8	819.4	796.1	786.6	776.0	765.5	759.1
25°	892.4	876.5	862.7	828.9	802.5	780.3	765.5	749.6	734.8	728.5	726.4
27.5°	844.8	835.3	821.5	789.8	765.5	741.2	727.4	716.8	701.0	693.6	687.2
30°	814.1	795.1	779.2	753.8	729.5	703.1	690.4	677.7	668.2	658.7	651.3
32.5°	772.9	758.1	745.4	720.0	695.7	671.4	657.6	638.6	633.3	625.9	617.5
35°	732.7	723.2	709.4	682.0	655.5	638.6	623.8	605.8	599.5	594.2	586.8
37.5°	694.6	680.9	671.4	644.9	621.7	601.6	590.0	575.2	570.9	564.6	559.3
40°	661.9	648.1	638.6	612.2	587.9	566.7	559.3	544.5	538.2	530.8	527.6
42.5°	624.9	613.2	600.5	581.5	556.1	535.0	520.2	511.7	503.3	500.1	493.8
45°	585.7	575.2	565.6	544.5	518.1	503.3	490.6	479.0	472.6	467.3	463.1
47.5°	551.9	542.4	529.7	506.4	485.3	471.6	458.9	447.2	440.9	434.5	429.3
50°	512.8	507.5	493.8	471.6	451.5	435.6	424.0	413.4	409.2	401.8	393.3
52.5°	477.9	468.4	456.7	438.8	420.8	401.8	385.9	379.6	372.2	367.9	360.5
55°	436.7	430.3	417.6	401.8	382.7	366.9	355.2	346.8	337.3	333.0	323.5
57.5°	401.8	390.1	383.8	363.7	345.7	329.9	321.4	313.0	302.4	296.0	291.8
60°	363.7	353.1	343.6	326.7	314.0	297.1	284.4	277.0	269.6	261.2	256.9
62.5°	326.7	318.2	306.6	292.9	277.0	263.3	253.7	243.2	238.9	230.5	227.3
65°	286.5	280.2	270.7	254.8	242.1	230.5	221.0	212.5	208.3	205.1	203.0
67.5°	250.6	242.1	235.8	222.0	208.3	198.8	193.5	188.2	182.9	179.7	176.6
70°	213.6	207.2	200.9	188.2	178.7	170.2	166.0	161.8	158.6	155.4	152.2
72.5°	175.5	172.3	166.0	157.5	150.1	143.8	140.6	135.3	132.2	126.9	124.8
75°	144.8	139.6	136.4	129.0	122.6	117.4	113.1	106.8	102.6	100.4	99.4
77.5°	114.2	112.1	107.8	101.5	98.3	93.0	86.7	84.6	82.5	82.5	81.4
80°	85.6	82.5	79.3	74.0	70.8	66.6	66.6	66.6	65.6	66.6	65.6
82.5°	58.2	56.0	53.9	50.7	49.7	49.7	50.7	50.7	50.7	50.7	50.7
85°	33.8	33.8	33.8	34.9	33.8	33.8	34.9	35.9	34.9	34.9	33.8
87.5°	15.9	15.9	16.9	16.9	18.0	18.0	18.0	18.0	18.0	18.0	19.0
90°	3.5	3.9	4.4	5.5	6.5	7.6	8.6	8.9	9.2	9.5	9.8
92.5°	6.3	6.1	6.5	7.2	7.9	8.6	9.3	9.9	10.4	11.0	11.5
95°	8.7	7.1	7.5	8.4	9.3	10.2	11.1	11.7	12.2	12.8	13.3
97.5°	30.7	29.6	27.6	23.5	19.5	15.4	11.4	12.0	12.7	13.3	14.0
100°	66.7	67.5	61.3	48.9	36.6	24.2	11.8	12.4	13.0	13.7	14.3
102.5°	88.0	88.5	81.6	67.8	54.0	40.2	26.4	23.8	21.2	18.5	15.9
105°	109.9	110.3	106.7	99.6	92.5	85.3	78.2	64.2	50.1	36.1	22.0
107.5°	133.1	133.5	134.1	135.3	136.5	137.7	138.9	126.7	114.5	102.2	90.0
110°	156.8	157.1	157.5	158.4	159.3	160.1	161.0	158.4	155.8	153.1	150.5

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	179.3	179.6	180.0	180.9	181.8	182.6	183.5	184.2	184.9	185.6	186.3
115°	201.5	201.7	202.1	202.8	203.5	204.2	204.9	205.7	206.5	207.3	208.1
117.5°	223.9	224.2	224.4	224.8	225.2	225.6	226.0	226.6	227.3	227.9	228.6
120°	244.9	245.3	245.4	245.7	245.9	246.2	246.4	247.0	247.6	248.3	248.9
122.5°	265.0	265.3	265.5	265.8	266.1	266.4	266.7	267.1	267.5	267.9	268.3
125°	283.9	284.2	284.4	284.7	285.0	285.3	285.6	285.8	285.9	286.1	286.2
127.5°	302.5	302.8	303.0	303.4	303.7	304.1	304.5	304.7	305.0	305.2	305.5
130°	319.6	319.9	320.1	320.4	320.7	321.0	321.3	321.6	322.0	322.3	322.6
132.5°	336.0	336.3	336.4	336.7	336.9	337.2	337.4	337.7	338.0	338.3	338.6
135°	352.2	352.4	352.6	352.9	353.2	353.5	353.8	354.0	354.3	354.5	354.8
137.5°	367.1	367.4	367.5	367.6	367.8	367.9	368.1	368.5	368.9	369.3	369.7
140°	380.8	381.0	381.1	381.3	381.6	381.8	382.0	382.3	382.7	383.0	383.3
142.5°	394.0	394.2	394.3	394.5	394.8	395.0	395.2	395.4	395.7	395.9	396.2
145°	406.4	406.7	406.8	406.9	407.1	407.2	407.4	407.6	407.7	407.9	408.0
147.5°	417.5	417.7	417.8	417.9	418.1	418.2	418.4	418.6	418.8	418.9	419.1
150°	427.6	427.7	427.8	427.9	428.1	428.2	428.4	428.6	428.8	428.9	429.1
152.5°	436.6	436.6	436.6	436.7	436.8	436.9	437.0	437.3	437.6	437.9	438.2
155°	444.6	444.5	444.5	444.6	444.7	444.8	444.9	445.3	445.7	446.0	446.4
157.5°	452.4	452.4	452.4	452.3	452.2	452.1	452.0	452.5	452.9	453.4	453.9
160°	458.4	458.4	458.4	458.3	458.2	458.2	458.1	458.6	459.0	459.5	460.0
162.5°	463.9	463.8	463.8	463.7	463.6	463.5	463.4	464.0	464.5	465.1	465.6
165°	468.5	468.4	468.4	468.3	468.2	468.2	468.1	468.7	469.3	470.0	470.6
167.5°	472.2	472.0	472.0	472.0	472.0	472.0	472.0	472.6	473.3	473.9	474.6
170°	475.4	475.2	475.2	475.2	475.2	475.2	475.2	475.8	476.5	477.1	477.8
172.5°	477.2	477.0	477.0	477.1	477.2	477.3	477.4	478.0	478.6	479.3	479.9
175°	479.0	478.8	478.8	478.9	479.0	479.0	479.1	479.7	480.2	480.8	481.3
177.5°	479.7	479.5	479.5	479.6	479.7	479.7	479.8	480.4	481.1	481.7	482.4
180°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1167.2	1168.3	1165.1	1158.8	1157.7	1159.8	1166.2	1164.1	1158.8	1168.3	1159.8
5°	1102.8	1097.5	1095.4	1097.5	1091.1	1087.9	1094.3	1091.1	1094.3	1095.4	1098.5
7.5°	1040.4	1041.4	1035.1	1036.1	1027.7	1029.8	1029.8	1029.8	1033.0	1035.1	1039.3
10°	986.4	988.6	981.2	982.2	975.9	971.6	974.8	981.2	981.2	981.2	983.3
12.5°	943.1	933.6	928.3	927.2	919.8	917.7	924.1	926.2	931.5	931.5	934.6
15°	889.2	887.1	882.8	882.8	864.9	869.1	871.2	878.6	889.2	880.7	882.8
17.5°	840.5	835.3	830.0	827.9	825.7	819.4	827.9	826.8	833.1	834.2	837.4
20°	797.2	793.0	782.4	783.5	785.6	776.0	781.3	781.3	787.7	794.0	801.4
22.5°	754.9	750.7	745.4	747.5	741.2	739.0	739.0	744.3	751.7	757.0	756.0
25°	722.1	714.7	711.6	708.4	705.2	707.3	704.2	709.4	714.7	717.9	714.7
27.5°	685.1	682.0	675.6	672.4	667.1	669.3	671.4	675.6	678.8	678.8	682.0
30°	649.2	644.9	642.8	639.7	639.7	635.4	636.5	640.7	643.9	647.1	651.3
32.5°	614.3	611.1	607.9	607.9	605.8	604.8	603.7	610.1	610.1	616.4	616.4
35°	585.7	580.5	580.5	575.2	577.3	576.2	574.1	578.3	579.4	583.6	582.6
37.5°	554.0	554.0	551.9	546.6	542.4	543.4	548.7	548.7	551.9	550.8	554.0
40°	522.3	520.2	520.2	517.0	516.0	514.9	516.0	517.0	522.3	521.2	522.3
42.5°	490.6	491.6	486.4	486.4	486.4	483.2	484.2	485.3	487.4	489.5	492.7
45°	459.9	457.8	456.7	454.6	452.5	453.6	452.5	456.7	455.7	457.8	461.0
47.5°	427.1	424.0	422.9	418.7	418.7	420.8	419.7	422.9	424.0	427.1	425.0
50°	395.4	391.2	388.0	389.1	382.7	384.9	384.9	388.0	391.2	392.3	394.4
52.5°	358.4	357.4	356.3	351.0	350.0	348.9	350.0	351.0	355.2	358.4	359.5
55°	322.5	321.4	315.1	313.0	309.8	309.8	311.9	313.0	320.4	321.4	325.6
57.5°	289.7	286.5	279.1	278.1	278.1	278.1	274.9	279.1	281.2	286.5	286.5
60°	253.7	253.7	247.4	247.4	248.5	247.4	247.4	248.5	248.5	252.7	254.8
62.5°	225.2	224.1	224.1	222.0	221.0	222.0	221.0	221.0	222.0	225.2	228.4
65°	199.8	198.8	197.7	196.7	194.5	194.5	195.6	197.7	197.7	199.8	200.9
67.5°	175.5	175.5	173.4	173.4	172.3	171.3	172.3	171.3	175.5	175.5	176.6
70°	151.2	150.1	147.0	145.9	142.7	143.8	143.8	147.0	148.0	150.1	152.2
72.5°	121.6	121.6	119.5	117.4	118.4	116.3	116.3	117.4	117.4	120.5	121.6
75°	100.4	98.3	97.3	98.3	97.3	99.4	97.3	97.3	99.4	99.4	99.4
77.5°	82.5	82.5	81.4	81.4	82.5	81.4	82.5	82.5	82.5	81.4	82.5
80°	67.7	66.6	66.6	66.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
82.5°	50.7	50.7	49.7	50.7	50.7	49.7	50.7	49.7	49.7	50.7	50.7
85°	33.8	35.9	33.8	33.8	34.9	34.9	35.9	34.9	35.9	33.8	34.9
87.5°	18.0	19.0	19.0	18.0	18.0	19.0	19.0	19.0	20.1	18.0	19.0
90°	10.0	10.1	10.2	10.4	10.5	10.7	10.5	10.4	10.2	10.1	10.0
92.5°	11.8	11.8	11.9	12.0	12.0	12.1	12.0	12.0	11.9	11.8	11.8
95°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
97.5°	14.3	14.3	14.4	14.5	14.5	14.6	14.5	14.5	14.4	14.3	14.3
100°	14.6	14.6	14.7	14.8	14.9	15.0	14.9	14.8	14.7	14.6	14.6
102.5°	14.6	14.7	14.9	15.0	15.2	15.4	15.2	15.0	14.9	14.7	14.6
105°	15.0	15.1	15.2	15.4	15.5	15.7	15.5	15.4	15.2	15.1	15.0
107.5°	83.9	78.7	68.3	57.9	47.5	37.1	47.5	57.9	68.3	78.7	83.9
110°	149.2	143.5	132.2	120.9	109.5	98.2	109.5	120.9	132.2	143.5	149.2

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	186.7	186.6	186.5	186.3	186.2	186.0	186.2	186.3	186.5	186.6	186.7
115°	208.5	208.7	209.0	209.3	209.6	209.9	209.6	209.3	209.0	208.7	208.5
117.5°	228.9	228.9	229.0	229.1	229.1	229.2	229.1	229.1	229.0	228.9	228.9
120°	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2
122.5°	268.5	268.5	268.6	268.7	268.7	268.8	268.7	268.7	268.6	268.5	268.5
125°	286.3	286.4	286.6	286.7	286.9	287.1	286.9	286.7	286.6	286.4	286.3
127.5°	305.6	305.5	305.4	305.2	305.1	304.9	305.1	305.2	305.4	305.5	305.6
130°	322.8	322.7	322.5	322.4	322.2	322.0	322.2	322.4	322.5	322.7	322.8
132.5°	338.8	338.7	338.5	338.2	338.0	337.8	338.0	338.2	338.5	338.7	338.8
135°	354.9	354.8	354.5	354.3	354.0	353.8	354.0	354.3	354.5	354.8	354.9
137.5°	369.9	369.8	369.7	369.5	369.4	369.2	369.4	369.5	369.7	369.8	369.9
140°	383.5	383.4	383.2	383.1	382.9	382.7	382.9	383.1	383.2	383.4	383.5
142.5°	396.3	396.2	395.9	395.7	395.4	395.2	395.4	395.7	395.9	396.2	396.3
145°	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1
147.5°	419.2	419.0	418.6	418.2	417.8	417.4	417.8	418.2	418.6	419.0	419.2
150°	429.2	429.1	428.8	428.6	428.3	428.1	428.3	428.6	428.8	429.1	429.2
152.5°	438.4	438.2	437.8	437.4	437.0	436.6	437.0	437.4	437.8	438.2	438.4
155°	446.6	446.4	445.9	445.4	445.0	444.5	445.0	445.4	445.9	446.4	446.6
157.5°	454.1	453.8	453.2	452.5	451.9	451.3	451.9	452.5	453.2	453.8	454.1
160°	460.2	459.9	459.4	458.8	458.3	457.7	458.3	458.8	459.4	459.9	460.2
162.5°	465.9	465.7	465.2	464.7	464.3	463.8	464.3	464.7	465.2	465.7	465.9
165°	470.9	470.6	470.1	469.5	469.0	468.4	469.0	469.5	470.1	470.6	470.9
167.5°	474.9	474.6	473.9	473.3	472.6	472.0	472.6	473.3	473.9	474.6	474.9
170°	478.1	477.8	477.1	476.5	475.8	475.2	475.8	476.5	477.1	477.8	478.1
172.5°	480.2	479.8	479.1	478.4	477.7	477.0	477.7	478.4	479.1	479.8	480.2
175°	481.6	481.3	480.7	480.0	479.4	478.8	479.4	480.0	480.7	481.3	481.6
177.5°	482.7	482.3	481.5	480.7	479.9	479.1	479.9	480.7	481.5	482.3	482.7
180°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9	1234.9
2.5°	1168.3	1172.5	1168.3	1159.8	1168.3	1173.6	1178.9	1187.3	1191.6	1191.6	1197.9
5°	1101.7	1110.2	1107.0	1104.9	1113.3	1118.6	1127.1	1137.6	1149.3	1156.7	1165.1
7.5°	1042.5	1047.8	1053.1	1053.1	1061.5	1073.1	1085.8	1098.5	1113.3	1123.9	1130.2
10°	990.7	994.9	998.1	1002.3	1015.0	1027.7	1044.6	1060.5	1073.1	1084.8	1095.4
12.5°	941.0	947.3	954.7	957.9	967.4	983.3	999.1	1018.2	1038.3	1049.9	1060.5
15°	893.4	896.6	905.0	914.6	923.0	939.9	960.0	980.1	997.0	1015.0	1024.5
17.5°	844.8	845.8	868.0	862.7	890.2	906.1	916.7	935.7	963.2	978.0	992.8
20°	797.2	807.8	817.3	822.6	837.4	855.3	886.0	900.8	923.0	936.8	949.4
22.5°	760.2	776.0	776.0	788.7	796.1	813.1	835.3	863.8	888.1	897.6	915.6
25°	727.4	734.8	747.5	751.7	765.5	780.3	795.1	825.7	852.2	864.9	877.5
27.5°	685.1	694.6	711.6	711.6	729.5	745.4	763.4	783.5	809.9	827.9	841.6
30°	652.3	661.9	669.3	680.9	688.3	703.1	734.8	749.6	772.9	788.7	805.7
32.5°	621.7	629.1	635.4	648.1	656.6	673.5	690.4	716.8	736.9	751.7	769.7
35°	587.9	595.3	603.7	613.2	625.9	641.8	657.6	679.8	699.9	713.7	728.5
37.5°	556.1	561.4	574.1	580.5	591.0	605.8	625.9	649.2	667.1	677.7	692.5
40°	525.5	529.7	539.2	550.8	558.2	569.9	591.0	611.1	633.3	646.0	657.6
42.5°	492.7	498.0	506.4	518.1	529.7	542.4	554.0	577.3	597.4	607.9	620.6
45°	464.1	467.3	473.7	485.3	496.9	506.4	524.4	545.6	564.6	573.1	586.8
47.5°	430.3	433.5	443.0	448.3	461.0	473.7	491.6	512.8	529.7	538.2	550.8
50°	395.4	398.6	404.9	416.6	425.0	438.8	454.6	472.6	493.8	505.4	512.8
52.5°	361.6	367.9	373.2	382.7	393.3	407.1	421.9	438.8	456.7	468.4	476.8
55°	327.8	333.0	339.4	344.7	357.4	370.1	387.0	402.8	418.7	429.3	438.8
57.5°	289.7	297.1	303.4	314.0	323.5	334.1	353.1	365.8	384.9	392.3	400.7
60°	256.9	264.3	269.6	278.1	286.5	300.3	313.0	328.8	344.7	354.2	364.8
62.5°	229.4	232.6	235.8	244.2	252.7	265.4	278.1	293.9	310.8	316.1	324.6
65°	201.9	205.1	210.4	217.8	224.1	231.5	245.3	258.0	273.8	282.3	285.5
67.5°	178.7	181.9	182.9	188.2	193.5	201.9	209.3	222.0	236.8	242.1	248.5
70°	152.2	157.5	158.6	162.8	164.9	170.2	178.7	188.2	199.8	209.3	214.6
72.5°	121.6	129.0	131.1	137.4	140.6	145.9	152.2	159.7	167.1	171.3	175.5
75°	99.4	101.5	102.6	107.8	113.1	120.5	123.7	127.9	134.3	139.6	143.8
77.5°	82.5	83.5	84.6	84.6	85.6	89.9	96.2	101.5	105.7	107.8	111.0
80°	66.6	65.6	65.6	66.6	66.6	66.6	68.7	76.1	78.2	83.5	82.5
82.5°	51.8	49.7	50.7	49.7	49.7	49.7	49.7	50.7	50.7	53.9	56.0
85°	33.8	34.9	33.8	33.8	32.8	33.8	32.8	32.8	31.7	31.7	30.7
87.5°	18.0	19.0	18.0	18.0	16.9	18.0	16.9	16.9	15.9	15.9	13.7
90°	9.8	9.5	9.2	8.9	8.6	7.6	6.5	5.5	4.4	3.9	3.5
92.5°	11.5	11.0	10.4	9.9	9.3	8.6	7.9	7.2	6.5	6.1	6.3
95°	13.3	12.8	12.2	11.7	11.1	10.2	9.3	8.4	7.5	7.1	8.7
97.5°	14.0	13.3	12.7	12.0	11.4	15.4	19.5	23.5	27.6	29.6	30.7
100°	14.3	13.7	13.0	12.4	11.8	24.2	36.6	48.9	61.3	67.5	66.7
102.5°	15.9	18.5	21.2	23.8	26.4	40.2	54.0	67.8	81.6	88.5	88.0
105°	22.0	36.1	50.1	64.2	78.2	85.3	92.5	99.6	106.7	110.3	109.9
107.5°	90.0	102.2	114.5	126.7	138.9	137.7	136.5	135.3	134.1	133.5	133.1
110°	150.5	153.1	155.8	158.4	161.0	160.1	159.3	158.4	157.5	157.1	156.8

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	186.3	185.6	184.9	184.2	183.5	182.6	181.8	180.9	180.0	179.6	179.3
115°	208.1	207.3	206.5	205.7	204.9	204.2	203.5	202.8	202.1	201.7	201.5
117.5°	228.6	227.9	227.3	226.6	226.0	225.6	225.2	224.8	224.4	224.2	223.9
120°	248.9	248.3	247.6	247.0	246.4	246.2	245.9	245.7	245.4	245.3	244.9
122.5°	268.3	267.9	267.5	267.1	266.7	266.4	266.1	265.8	265.5	265.3	265.0
125°	286.2	286.1	285.9	285.8	285.6	285.3	285.0	284.7	284.4	284.2	283.9
127.5°	305.5	305.2	305.0	304.7	304.5	304.1	303.7	303.4	303.0	302.8	302.5
130°	322.6	322.3	322.0	321.6	321.3	321.0	320.7	320.4	320.1	319.9	319.6
132.5°	338.6	338.3	338.0	337.7	337.4	337.2	336.9	336.7	336.4	336.3	336.0
135°	354.8	354.5	354.3	354.0	353.8	353.5	353.2	352.9	352.6	352.4	352.2
137.5°	369.7	369.3	368.9	368.5	368.1	367.9	367.8	367.6	367.5	367.4	367.1
140°	383.3	383.0	382.7	382.3	382.0	381.8	381.6	381.3	381.1	381.0	380.8
142.5°	396.2	395.9	395.7	395.4	395.2	395.0	394.8	394.5	394.3	394.2	394.0
145°	408.0	407.9	407.7	407.6	407.4	407.2	407.1	406.9	406.8	406.7	406.4
147.5°	419.1	418.9	418.8	418.6	418.4	418.2	418.1	417.9	417.8	417.7	417.5
150°	429.1	428.9	428.8	428.6	428.4	428.2	428.1	427.9	427.8	427.7	427.6
152.5°	438.2	437.9	437.6	437.3	437.0	436.9	436.8	436.7	436.6	436.6	436.6
155°	446.4	446.0	445.7	445.3	444.9	444.8	444.7	444.6	444.5	444.5	444.6
157.5°	453.9	453.4	452.9	452.5	452.0	452.1	452.2	452.3	452.4	452.4	452.4
160°	460.0	459.5	459.0	458.6	458.1	458.2	458.2	458.3	458.4	458.4	458.4
162.5°	465.6	465.1	464.5	464.0	463.4	463.5	463.6	463.7	463.8	463.8	463.9
165°	470.6	470.0	469.3	468.7	468.1	468.2	468.2	468.3	468.4	468.4	468.5
167.5°	474.6	473.9	473.3	472.6	472.0	472.0	472.0	472.0	472.0	472.0	472.2
170°	477.8	477.1	476.5	475.8	475.2	475.2	475.2	475.2	475.2	475.2	475.4
172.5°	479.9	479.3	478.6	478.0	477.4	477.3	477.2	477.1	477.0	477.0	477.2
175°	481.3	480.8	480.2	479.7	479.1	479.0	479.0	478.9	478.8	478.8	479.0
177.5°	482.4	481.7	481.1	480.4	479.8	479.7	479.7	479.6	479.5	479.5	479.7
180°	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6	480.6

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1234.9	1234.9	1234.9	1234.9
2.5°	1203.2	1210.6	1225.4	1238.1
5°	1177.8	1189.4	1211.7	1233.9
7.5°	1147.2	1165.1	1193.7	1224.3
10°	1117.6	1140.8	1175.7	1211.7
12.5°	1087.9	1112.3	1149.3	1195.8
15°	1053.1	1078.4	1122.8	1178.9
17.5°	1022.4	1056.2	1096.4	1152.4
20°	989.6	1015.0	1066.8	1126.0
22.5°	948.4	990.7	1039.3	1101.7
25°	915.6	952.6	1001.3	1072.1
27.5°	875.4	918.8	978.0	1040.4
30°	842.7	878.6	933.6	1008.7
32.5°	804.6	846.9	904.0	978.0
35°	770.8	806.7	860.6	935.7
37.5°	730.6	769.7	830.0	896.6
40°	695.7	733.8	790.9	853.2
42.5°	653.4	693.6	750.7	803.5
45°	619.6	656.6	702.0	750.7
47.5°	578.3	617.5	661.9	695.7
50°	541.3	577.3	612.2	640.7
52.5°	501.2	533.9	565.6	586.8
55°	464.1	489.5	514.9	529.7
57.5°	420.8	445.1	466.3	474.7
60°	382.7	402.8	416.6	426.1
62.5°	342.6	357.4	367.9	373.2
65°	303.4	314.0	319.3	324.6
67.5°	263.3	272.8	276.0	282.3
70°	221.0	231.5	233.7	236.8
72.5°	189.3	189.3	193.5	197.7
75°	151.2	153.3	155.4	155.4
77.5°	118.4	118.4	120.5	121.6
80°	86.7	87.8	87.8	86.7
82.5°	59.2	61.3	59.2	58.2
85°	32.8	37.0	34.9	34.9
87.5°	13.7	13.7	15.9	13.7
90°	2.7	2.0	1.2	0.4
92.5°	6.8	7.3	7.7	8.2
95°	12.0	15.3	18.5	21.8
97.5°	32.9	35.2	37.4	39.6
100°	65.1	63.5	61.9	60.3
102.5°	87.0	85.9	84.9	83.9
105°	109.0	108.1	107.3	106.4
107.5°	132.4	131.7	131.0	130.3
110°	156.1	155.5	154.8	154.2

TEST NUMBER: P1010991

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	178.8	178.2	177.7	177.1
115°	201.0	200.5	200.1	199.6
117.5°	223.4	222.8	222.3	221.7
120°	244.2	243.5	242.8	242.1
122.5°	264.5	263.9	263.4	262.8
125°	283.2	282.6	281.9	281.3
127.5°	301.8	301.2	300.5	299.9
130°	318.9	318.3	317.6	317.0
132.5°	335.4	334.7	334.1	333.5
135°	351.7	351.2	350.7	350.2
137.5°	366.4	365.8	365.1	364.5
140°	380.3	379.8	379.3	378.8
142.5°	393.5	393.0	392.5	392.0
145°	405.9	405.3	404.8	404.2
147.5°	417.1	416.7	416.3	415.9
150°	427.4	427.1	426.9	426.7
152.5°	436.5	436.4	436.4	436.3
155°	444.7	444.9	445.0	445.2
157.5°	452.4	452.4	452.4	452.4
160°	458.5	458.6	458.7	458.8
162.5°	464.2	464.4	464.7	464.9
165°	468.8	469.0	469.3	469.5
167.5°	472.5	472.8	473.1	473.4
170°	475.7	476.0	476.3	476.6
172.5°	477.6	478.0	478.4	478.8
175°	479.4	479.8	480.2	480.6
177.5°	480.1	480.5	480.9	481.3
180°	480.6	480.6	480.6	480.6

(END OF REPORT)