

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: P1010992

Luminaire Tested: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010992
REPORT IS A COMBINATION OF REPORTS P993608 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_4000K
Description: Define 3 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

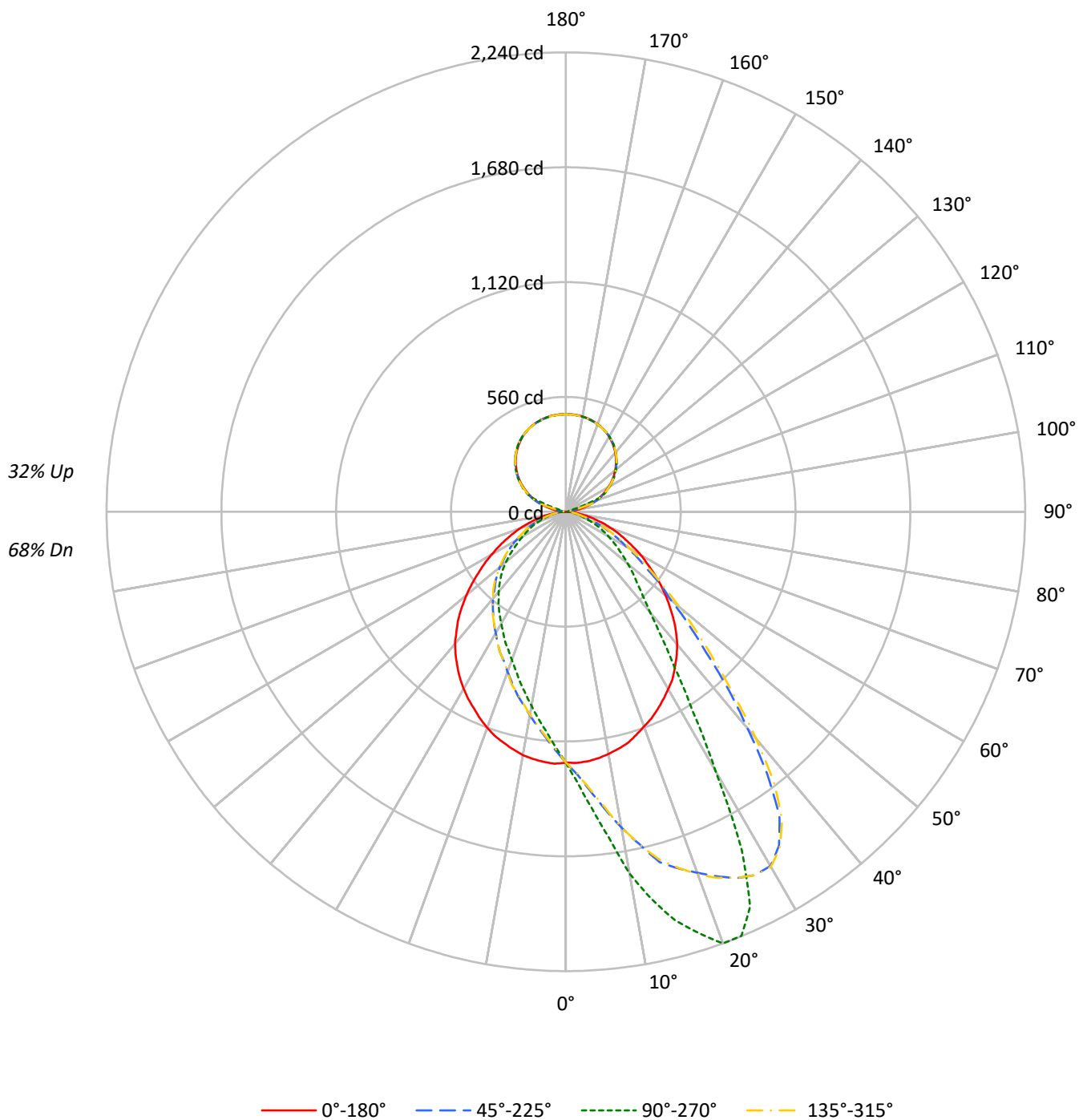
Lumens per Lamp: N/A
Luminaire Lumens: 4495.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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°	13159	13159	13159	13159
5°	13168	15155	13203	11244
10°	13052	18294	13110	9821
15°	12918	20763	12918	8659
20°	12653	22396	12724	7681
25°	12459	21277	12435	7009
30°	12234	14742	12208	6351
35°	11962	9466	11908	5855
40°	11624	6684	11566	5362
45°	11036	5349	11021	4882
50°	10314	4475	10280	4321
55°	9502	3688	9426	3663
60°	8704	3048	8617	3114
65°	7767	2439	7818	2640
70°	6903	1694	7088	2134
75°	5854	1258	6090	1642
80°	4658	834	5054	1231
85°	3314	395	3621	765

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	2.7
10°-20°	375.8	8.4
20°-30°	591.9	13.2
30°-40°	615.5	13.7
40°-50°	526.5	11.7
50°-60°	401.4	8.9
60°-70°	257.2	5.7
70°-80°	123.2	2.7
80°-90°	33.4	0.7
90°-100°	16.8	0.4
100°-110°	81.1	1.8
110°-120°	198.7	4.4
120°-130°	252.3	5.6
130°-140°	269.5	6.0
140°-150°	252.0	5.6
150°-160°	203.3	4.5
160°-170°	131.2	2.9
170°-180°	45.2	1.0
0°-30°	1087.7	24.2
0°-40°	1703.2	37.9
0°-60°	2631.2	58.5
0°-90°	3044.9	67.7
90°-120°	296.6	6.6
90°-150°	1070.4	23.8
90°-180°	1450.0	32.3
0°-180°	4495.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1222	1222	1222	1222	1222	
5°	1221	1452	1225	1077	1221	116
15°	1167	2063	1167	860	1167	328
25°	1061	2126	1059	700	1061	489
35°	926	922	922	570	926	580
45°	743	492	742	449	743	572
55°	524	309	520	307	524	470
65°	321	178	323	193	321	321
75°	154	75	160	98	154	166
85°	34	18	38	34	34	39
90°	0	11	0	11	0	3
95°	22	13	22	13	22	26
105°	105	16	105	16	105	112
115°	198	208	198	208	198	195
125°	278	284	278	284	278	249
135°	347	350	347	350	347	267
145°	400	404	400	404	400	250
155°	441	440	441	440	441	203
165°	465	464	465	464	465	131
175°	476	474	476	474	476	45
180°	476	476	476	476	476	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5
2.5°	1225.6	1234.0	1240.3	1244.4	1254.9	1261.2	1266.4	1275.8	1275.8	1277.9	1282.1
5°	1221.4	1239.2	1251.8	1268.5	1290.5	1301.0	1315.6	1328.2	1346.0	1355.4	1364.8
7.5°	1212.0	1237.1	1263.3	1288.4	1320.8	1341.8	1356.4	1388.9	1411.9	1440.2	1462.1
10°	1199.4	1234.0	1267.5	1306.2	1350.2	1381.6	1403.5	1446.4	1490.4	1530.2	1563.7
12.5°	1183.7	1225.6	1273.7	1320.8	1382.6	1414.0	1449.6	1503.0	1565.8	1616.0	1661.0
15°	1167.0	1215.1	1269.6	1327.1	1404.6	1448.5	1499.8	1564.7	1634.8	1707.1	1768.8
17.5°	1140.8	1201.5	1262.2	1346.0	1437.0	1463.2	1507.1	1596.1	1683.0	1747.9	1823.2
20°	1114.7	1182.7	1259.1	1334.5	1432.8	1493.5	1534.4	1628.6	1721.7	1800.2	1872.4
22.5°	1090.6	1161.8	1241.3	1336.5	1428.6	1489.4	1540.6	1639.0	1746.8	1834.7	1923.7
25°	1061.3	1138.7	1226.6	1316.7	1428.6	1474.7	1531.2	1645.3	1759.4	1860.9	1970.8
27.5°	1029.9	1108.4	1195.3	1287.4	1389.9	1458.0	1513.4	1635.9	1775.1	1883.9	1997.0
30°	998.5	1079.1	1162.8	1245.5	1360.6	1425.5	1489.4	1624.4	1783.5	1908.0	1994.9
32.5°	968.1	1036.2	1118.8	1199.4	1313.5	1384.7	1456.9	1612.9	1786.6	1891.3	1933.1
35°	926.3	997.4	1064.4	1150.2	1265.4	1335.5	1420.3	1611.8	1773.0	1837.9	1816.9
37.5°	887.5	947.2	1011.0	1087.4	1205.7	1296.8	1384.7	1584.6	1728.0	1732.2	1613.9
40°	844.6	893.8	947.2	1027.8	1155.5	1245.5	1340.7	1542.7	1646.3	1584.6	1376.3
42.5°	795.4	839.4	881.3	959.8	1099.0	1199.4	1302.0	1490.4	1528.1	1385.7	1169.1
45°	743.1	778.7	817.4	900.1	1039.3	1138.7	1241.3	1409.8	1371.1	1170.1	963.9
47.5°	688.7	719.0	756.7	832.1	975.5	1077.0	1174.3	1294.7	1196.3	980.7	808.0
50°	634.3	658.3	695.0	772.4	910.6	1002.7	1092.7	1171.2	1033.0	841.5	667.7
52.5°	580.9	599.7	637.4	703.3	837.3	925.2	990.1	1020.5	880.2	695.0	579.8
55°	524.4	545.3	570.4	637.4	770.3	835.2	878.1	877.1	732.6	589.3	479.4
57.5°	469.9	488.8	510.8	577.7	685.5	729.5	766.1	748.3	611.2	482.5	411.3
60°	421.8	432.3	456.3	512.8	594.5	632.2	653.1	622.7	499.2	407.1	340.2
62.5°	369.5	379.9	399.8	453.2	503.4	523.3	541.1	502.4	412.4	331.8	291.0
65°	321.3	334.9	347.5	390.4	417.6	441.7	439.6	407.1	322.4	270.0	236.5
67.5°	279.4	284.7	295.1	321.3	333.9	351.7	352.7	316.1	259.6	219.8	199.9
70°	234.4	239.7	247.0	259.6	267.9	272.1	270.0	237.6	195.7	171.6	153.9
72.5°	195.7	194.7	199.9	199.9	208.3	207.2	201.0	175.8	148.6	128.7	118.3
75°	153.9	154.9	155.9	153.9	150.7	146.5	141.3	122.5	104.7	95.2	85.8
77.5°	120.4	118.3	119.3	112.0	107.8	103.6	96.3	86.9	72.2	70.1	65.9
80°	85.8	84.8	83.7	80.6	71.2	67.0	61.8	56.5	53.4	51.3	50.2
82.5°	57.6	57.6	55.5	49.2	44.0	40.8	39.8	37.7	34.5	34.5	33.5
85°	34.5	33.5	31.4	25.1	22.0	22.0	22.0	22.0	19.9	19.9	18.8
87.5°	13.6	12.6	9.4	9.4	8.4	8.4	8.4	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°	21.6	18.4	15.2	11.9	8.7	7.1	7.5	8.4	9.3	10.1	11.0
97.5°	39.2	37.0	34.8	32.6	30.4	29.3	27.3	23.3	19.3	15.3	11.3
100°	59.7	61.3	62.9	64.4	66.0	66.8	60.7	48.4	36.2	23.9	11.7
102.5°	83.0	84.0	85.0	86.1	87.1	87.6	80.8	67.1	53.4	39.8	26.1
105°	105.3	106.2	107.0	107.9	108.8	109.2	105.7	98.6	91.5	84.5	77.4
107.5°	129.0	129.7	130.4	131.1	131.8	132.2	132.8	134.0	135.1	136.3	137.5
110°	152.7	153.3	153.9	154.6	155.2	155.5	155.9	156.8	157.7	158.5	159.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.3	175.8	176.4	176.9	177.4	177.7	178.1	179.0	179.9	180.7	181.6
115°	197.5	198.0	198.5	199.0	199.5	199.7	200.0	200.7	201.4	202.1	202.8
117.5°	219.4	220.0	220.5	221.1	221.6	221.9	222.1	222.5	222.9	223.3	223.7
120°	239.6	240.3	241.0	241.7	242.4	242.8	242.9	243.1	243.4	243.6	243.8
122.5°	260.1	260.7	261.2	261.8	262.3	262.6	262.8	263.1	263.4	263.7	264.0
125°	278.5	279.1	279.7	280.4	281.0	281.3	281.5	281.8	282.1	282.4	282.7
127.5°	296.8	297.4	298.1	298.7	299.4	299.7	299.9	300.3	300.6	301.0	301.4
130°	313.8	314.4	315.0	315.7	316.3	316.6	316.8	317.1	317.4	317.7	318.0
132.5°	330.1	330.7	331.3	332.0	332.6	332.9	333.0	333.2	333.5	333.7	333.9
135°	346.7	347.2	347.6	348.1	348.6	348.8	349.0	349.3	349.6	349.9	350.2
137.5°	360.8	361.4	362.0	362.7	363.3	363.6	363.7	363.8	364.0	364.1	364.3
140°	374.9	375.4	375.9	376.4	376.9	377.1	377.2	377.4	377.7	377.9	378.1
142.5°	388.0	388.5	388.9	389.4	389.9	390.1	390.2	390.5	390.7	391.0	391.2
145°	400.0	400.6	401.1	401.7	402.2	402.5	402.6	402.7	402.9	403.0	403.2
147.5°	411.7	412.1	412.5	412.9	413.3	413.5	413.6	413.7	413.9	414.0	414.2
150°	422.3	422.5	422.7	423.0	423.2	423.3	423.4	423.6	423.7	423.9	424.1
152.5°	431.8	431.9	432.0	432.1	432.2	432.2	432.2	432.3	432.4	432.4	432.5
155°	440.7	440.5	440.4	440.2	440.1	440.0	440.0	440.1	440.2	440.2	440.3
157.5°	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.6	447.5	447.5	447.4
160°	454.1	454.0	453.9	453.8	453.7	453.7	453.7	453.6	453.5	453.5	453.4
162.5°	460.1	459.9	459.6	459.4	459.1	459.0	459.0	458.9	458.8	458.8	458.7
165°	464.7	464.5	464.2	464.0	463.7	463.6	463.6	463.5	463.4	463.4	463.3
167.5°	468.6	468.3	468.0	467.7	467.4	467.2	467.2	467.2	467.2	467.2	467.2
170°	471.8	471.5	471.1	470.8	470.5	470.3	470.3	470.3	470.3	470.3	470.3
172.5°	473.9	473.5	473.1	472.7	472.3	472.1	472.1	472.2	472.3	472.4	472.5
175°	475.6	475.2	474.8	474.5	474.1	473.9	473.9	474.0	474.1	474.1	474.2
177.5°	476.4	476.0	475.6	475.2	474.8	474.6	474.6	474.7	474.8	474.8	474.9
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5
2.5°	1290.5	1290.5	1299.9	1309.3	1304.1	1307.2	1318.8	1314.6	1322.9	1321.9	1325.0
5°	1387.8	1399.3	1408.8	1428.6	1431.8	1428.6	1448.5	1453.8	1463.2	1451.7	1456.9
7.5°	1497.7	1521.8	1544.8	1574.1	1583.5	1585.6	1596.1	1610.8	1623.3	1600.3	1611.8
10°	1604.5	1641.1	1688.2	1714.4	1737.4	1745.8	1754.2	1763.6	1778.2	1791.8	1781.4
12.5°	1719.6	1773.0	1818.0	1865.1	1893.4	1890.2	1914.3	1920.6	1932.1	1935.2	1939.4
15°	1813.8	1889.2	1917.4	1987.5	1993.8	2014.8	2042.0	2066.0	2069.2	2062.9	2062.9
17.5°	1903.8	1968.7	2018.9	2075.5	2087.0	2104.8	2139.3	2150.8	2155.0	2154.0	2154.0
20°	1977.1	2020.0	2104.8	2151.9	2170.7	2193.7	2217.8	2232.5	2235.6	2239.8	2233.5
22.5°	2025.2	2090.1	2159.2	2197.9	2213.6	2222.0	2237.7	2241.9	2236.6	2237.7	2238.7
25°	2062.9	2126.8	2168.6	2179.1	2178.0	2167.6	2156.1	2136.2	2134.1	2125.7	2109.0
27.5°	2073.4	2097.4	2092.2	2049.3	2006.4	2002.2	1933.1	1895.4	1852.5	1858.8	1834.7
30°	2016.9	1985.5	1911.1	1802.3	1757.3	1684.0	1606.6	1526.0	1494.6	1460.0	1523.9
32.5°	1878.7	1766.7	1634.8	1493.5	1418.2	1353.3	1270.6	1212.0	1178.5	1150.2	1204.7
35°	1670.4	1495.6	1320.8	1186.9	1125.1	1066.5	989.1	959.8	917.9	922.1	927.3
37.5°	1402.5	1209.9	1078.0	946.2	905.3	881.3	824.7	779.7	765.1	760.9	760.9
40°	1151.3	993.3	876.0	772.4	741.0	721.1	676.1	655.2	639.5	635.3	640.5
42.5°	952.4	817.4	726.4	657.3	635.3	610.2	591.3	565.2	562.0	554.7	564.1
45°	799.6	682.4	614.4	564.1	545.3	535.9	514.9	499.2	493.0	491.9	499.2
47.5°	678.2	587.2	527.5	496.1	481.4	472.0	454.2	448.0	441.7	443.8	440.6
50°	569.4	501.3	462.6	434.4	424.9	415.5	404.0	397.7	394.6	394.6	393.5
52.5°	488.8	432.3	407.1	381.0	376.8	371.6	359.0	354.8	349.6	348.5	352.7
55°	418.7	379.9	354.8	339.1	334.9	324.5	319.2	314.0	310.8	308.8	309.8
57.5°	357.9	328.6	311.9	298.3	291.0	286.8	277.4	276.3	274.2	274.2	273.2
60°	307.7	286.8	266.9	258.5	253.3	248.1	247.0	240.7	237.6	239.7	238.6
62.5°	260.6	243.9	232.4	222.9	219.8	215.6	212.5	210.4	207.2	208.3	208.3
65°	217.7	204.1	195.7	187.3	186.3	182.1	181.1	179.0	179.0	177.9	180.0
67.5°	179.0	169.6	162.2	157.0	153.9	154.9	150.7	147.6	147.6	146.5	149.7
70°	142.3	137.1	129.8	123.5	119.3	119.3	114.1	113.0	113.0	113.0	112.0
72.5°	109.9	100.5	97.3	95.2	95.2	95.2	93.1	93.1	92.1	93.1	92.1
75°	81.6	80.6	78.5	77.5	77.5	76.4	75.4	75.4	75.4	75.4	75.4
77.5°	63.8	63.8	61.8	60.7	60.7	60.7	59.7	59.7	58.6	58.6	58.6
80°	47.1	47.1	45.0	45.0	45.0	44.0	44.0	44.0	45.0	44.0	44.0
82.5°	32.4	32.4	31.4	32.4	31.4	30.4	30.4	30.4	29.3	30.4	30.4
85°	18.8	18.8	17.8	16.7	17.8	17.8	16.7	17.8	16.7	17.8	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°	9.8	10.3	10.9	11.4	11.7	11.7	11.8	11.9	11.9	12.0	11.9
95°	11.5	12.1	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	14.4	14.5	14.4
100°	12.3	12.9	13.6	14.2	14.5	14.5	14.6	14.7	14.7	14.8	14.7
102.5°	23.5	20.9	18.4	15.8	14.5	14.6	14.7	14.9	15.0	15.2	15.0
105°	63.5	49.6	35.7	21.8	14.8	14.9	15.0	15.2	15.3	15.5	15.3
107.5°	125.4	113.3	101.2	89.1	83.0	77.9	67.6	57.3	47.1	36.8	47.1
110°	156.8	154.2	151.6	149.0	147.7	142.1	130.9	119.6	108.4	97.2	108.4

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	182.3	183.0	183.7	184.4	184.8	184.7	184.6	184.4	184.3	184.1	184.3
115°	203.6	204.4	205.2	206.0	206.4	206.6	206.9	207.2	207.5	207.8	207.5
117.5°	224.3	224.9	225.6	226.2	226.5	226.5	226.6	226.7	226.8	226.9	226.8
120°	244.4	245.1	245.7	246.4	246.7	246.7	246.7	246.7	246.7	246.7	246.7
122.5°	264.4	264.8	265.1	265.5	265.7	265.7	265.8	265.9	266.0	266.1	266.0
125°	282.9	283.0	283.2	283.3	283.4	283.5	283.6	283.8	283.9	284.1	283.9
127.5°	301.6	301.9	302.1	302.4	302.5	302.4	302.3	302.1	302.0	301.8	302.0
130°	318.3	318.7	319.0	319.3	319.5	319.4	319.2	319.1	318.9	318.7	318.9
132.5°	334.2	334.6	334.9	335.2	335.4	335.3	335.0	334.8	334.5	334.3	334.5
135°	350.4	350.7	350.9	351.2	351.3	351.2	350.9	350.7	350.4	350.2	350.4
137.5°	364.7	365.1	365.5	365.9	366.1	366.0	365.9	365.7	365.6	365.4	365.6
140°	378.4	378.7	379.0	379.3	379.5	379.4	379.3	379.1	379.0	378.8	379.0
142.5°	391.4	391.6	391.9	392.1	392.2	392.1	391.9	391.6	391.4	391.2	391.4
145°	403.4	403.5	403.7	403.8	403.9	403.9	403.9	403.9	403.9	403.9	403.9
147.5°	414.4	414.5	414.7	414.8	414.9	414.7	414.3	413.9	413.5	413.1	413.5
150°	424.3	424.4	424.6	424.7	424.8	424.7	424.4	424.2	423.9	423.7	423.9
152.5°	432.8	433.1	433.4	433.7	433.9	433.7	433.3	433.0	432.6	432.2	432.6
155°	440.7	441.1	441.5	441.9	442.1	441.9	441.4	440.9	440.5	440.0	440.5
157.5°	447.9	448.3	448.8	449.3	449.5	449.2	448.6	447.9	447.3	446.7	447.3
160°	453.9	454.3	454.8	455.3	455.5	455.2	454.7	454.1	453.6	453.0	453.6
162.5°	459.3	459.8	460.4	460.9	461.2	461.0	460.5	460.0	459.5	459.0	459.5
165°	463.9	464.5	465.2	465.8	466.1	465.8	465.3	464.7	464.2	463.6	464.2
167.5°	467.8	468.4	469.1	469.7	470.0	469.7	469.1	468.4	467.8	467.2	467.8
170°	470.9	471.6	472.2	472.9	473.2	472.9	472.2	471.6	470.9	470.3	470.9
172.5°	473.1	473.7	474.4	475.0	475.3	474.9	474.2	473.5	472.8	472.1	472.8
175°	474.8	475.3	475.9	476.4	476.7	476.4	475.8	475.1	474.5	473.9	474.5
177.5°	475.5	476.2	476.8	477.5	477.8	477.4	476.6	475.8	475.0	474.2	475.0
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5
2.5°	1319.8	1313.5	1309.3	1306.2	1303.1	1312.5	1299.9	1286.3	1276.9	1270.6	1268.5
5°	1458.0	1444.3	1432.8	1423.4	1425.5	1425.5	1403.5	1379.5	1358.5	1347.0	1334.5
7.5°	1618.1	1603.4	1580.4	1575.2	1571.0	1544.8	1522.8	1478.9	1452.7	1426.6	1403.5
10°	1777.2	1758.3	1736.4	1729.0	1718.6	1686.1	1652.6	1596.1	1563.7	1515.5	1485.2
12.5°	1925.8	1902.8	1880.8	1875.6	1859.9	1831.6	1774.0	1715.4	1660.0	1608.7	1555.3
15°	2050.3	2044.1	2010.6	1989.6	1955.1	1916.4	1903.8	1824.3	1754.2	1700.8	1604.5
17.5°	2155.0	2125.7	2094.3	2080.7	2067.1	2022.1	1977.1	1895.4	1820.1	1741.6	1679.8
20°	2238.7	2206.3	2184.3	2164.4	2158.1	2106.9	2035.7	1963.5	1880.8	1792.9	1712.3
22.5°	2242.9	2238.7	2224.1	2212.6	2200.0	2166.5	2110.0	2020.0	1932.1	1835.8	1730.1
25°	2156.1	2149.8	2191.6	2181.2	2189.5	2177.0	2146.6	2071.3	1968.7	1855.7	1748.9
27.5°	1894.4	1958.2	2024.2	2047.2	2062.9	2107.9	2122.6	2080.7	1998.0	1877.7	1758.3
30°	1538.5	1623.3	1730.1	1787.6	1831.6	1915.3	2024.2	2037.8	1999.1	1902.8	1756.2
32.5°	1207.8	1285.3	1371.1	1439.1	1497.7	1669.4	1815.9	1921.6	1940.5	1890.2	1761.5
35°	973.4	1006.9	1088.5	1153.4	1232.9	1379.5	1552.2	1722.8	1837.9	1844.2	1745.8
37.5°	802.8	820.6	891.7	928.4	975.5	1104.2	1265.4	1488.3	1667.3	1752.1	1701.8
40°	664.6	705.4	746.2	767.2	800.7	889.6	1044.5	1219.3	1441.2	1598.2	1633.8
42.5°	576.7	594.5	620.7	650.0	670.9	748.3	852.0	1012.1	1212.0	1430.7	1529.1
45°	508.7	514.9	542.2	561.0	583.0	637.4	710.7	844.6	1020.5	1236.1	1403.5
47.5°	452.1	464.7	479.4	490.9	505.5	547.4	610.2	707.5	862.4	1055.0	1235.0
50°	401.9	409.2	428.1	433.3	443.8	473.1	521.2	595.5	723.2	877.1	1063.4
52.5°	354.8	368.4	375.7	383.1	392.5	416.6	448.0	508.7	605.0	749.4	907.4
55°	318.2	322.4	332.8	339.1	346.4	363.2	390.4	435.4	510.8	625.9	775.6
57.5°	282.6	282.6	293.1	298.3	305.6	318.2	342.2	376.8	431.2	517.0	654.1
60°	244.9	246.0	254.3	260.6	262.7	275.3	295.1	322.4	364.2	427.0	539.0
62.5°	211.4	216.7	220.8	222.9	230.3	237.6	254.3	273.2	302.5	357.9	437.5
65°	183.2	184.2	187.3	189.4	192.6	201.0	213.5	226.1	251.2	292.0	356.9
67.5°	150.7	154.9	159.1	159.1	162.2	166.4	179.0	189.4	208.3	232.4	276.3
70°	113.0	115.1	121.4	124.5	128.7	136.1	142.3	148.6	163.3	181.1	214.6
72.5°	94.2	94.2	96.3	97.3	97.3	102.6	112.0	118.3	125.6	138.2	161.2
75°	75.4	75.4	78.5	77.5	79.5	81.6	82.7	86.9	91.1	100.5	114.1
77.5°	59.7	60.7	60.7	61.8	61.8	62.8	63.8	65.9	68.0	73.3	79.5
80°	44.0	45.0	45.0	46.1	46.1	47.1	48.1	49.2	51.3	53.4	56.5
82.5°	30.4	31.4	31.4	32.4	31.4	32.4	33.5	33.5	34.5	36.6	37.7
85°	17.8	17.8	18.8	17.8	17.8	17.8	18.8	18.8	19.9	23.0	23.0
87.5°	5.2	6.3	5.2	6.3	6.3	6.3	6.3	7.3	7.3	8.4	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°	11.9	11.8	11.7	11.7	11.4	10.9	10.3	9.8	9.2	8.5	7.8
95°	13.4	13.4	13.4	13.4	13.1	12.6	12.1	11.5	11.0	10.1	9.3
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°	14.7	14.6	14.5	14.5	14.2	13.6	12.9	12.3	11.7	23.9	36.2
102.5°	14.9	14.7	14.6	14.5	15.8	18.4	20.9	23.5	26.1	39.8	53.4
105°	15.2	15.0	14.9	14.8	21.8	35.7	49.6	63.5	77.4	84.5	91.5
107.5°	57.3	67.6	77.9	83.0	89.1	101.2	113.3	125.4	137.5	136.3	135.1
110°	119.6	130.9	142.1	147.7	149.0	151.6	154.2	156.8	159.4	158.5	157.7

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	184.4	184.6	184.7	184.8	184.4	183.7	183.0	182.3	181.6	180.7	179.9
115°	207.2	206.9	206.6	206.4	206.0	205.2	204.4	203.6	202.8	202.1	201.4
117.5°	226.7	226.6	226.5	226.5	226.2	225.6	224.9	224.3	223.7	223.3	222.9
120°	246.7	246.7	246.7	246.7	246.4	245.7	245.1	244.4	243.8	243.6	243.4
122.5°	265.9	265.8	265.7	265.7	265.5	265.1	264.8	264.4	264.0	263.7	263.4
125°	283.8	283.6	283.5	283.4	283.3	283.2	283.0	282.9	282.7	282.4	282.1
127.5°	302.1	302.3	302.4	302.5	302.4	302.1	301.9	301.6	301.4	301.0	300.6
130°	319.1	319.2	319.4	319.5	319.3	319.0	318.7	318.3	318.0	317.7	317.4
132.5°	334.8	335.0	335.3	335.4	335.2	334.9	334.6	334.2	333.9	333.7	333.5
135°	350.7	350.9	351.2	351.3	351.2	350.9	350.7	350.4	350.2	349.9	349.6
137.5°	365.7	365.9	366.0	366.1	365.9	365.5	365.1	364.7	364.3	364.1	364.0
140°	379.1	379.3	379.4	379.5	379.3	379.0	378.7	378.4	378.1	377.9	377.7
142.5°	391.6	391.9	392.1	392.2	392.1	391.9	391.6	391.4	391.2	391.0	390.7
145°	403.9	403.9	403.9	403.9	403.8	403.7	403.5	403.4	403.2	403.0	402.9
147.5°	413.9	414.3	414.7	414.9	414.8	414.7	414.5	414.4	414.2	414.0	413.9
150°	424.2	424.4	424.7	424.8	424.7	424.6	424.4	424.3	424.1	423.9	423.7
152.5°	433.0	433.3	433.7	433.9	433.7	433.4	433.1	432.8	432.5	432.4	432.4
155°	440.9	441.4	441.9	442.1	441.9	441.5	441.1	440.7	440.3	440.2	440.2
157.5°	447.9	448.6	449.2	449.5	449.3	448.8	448.3	447.9	447.4	447.5	447.5
160°	454.1	454.7	455.2	455.5	455.3	454.8	454.3	453.9	453.4	453.5	453.5
162.5°	460.0	460.5	461.0	461.2	460.9	460.4	459.8	459.3	458.7	458.8	458.8
165°	464.7	465.3	465.8	466.1	465.8	465.2	464.5	463.9	463.3	463.4	463.4
167.5°	468.4	469.1	469.7	470.0	469.7	469.1	468.4	467.8	467.2	467.2	467.2
170°	471.6	472.2	472.9	473.2	472.9	472.2	471.6	470.9	470.3	470.3	470.3
172.5°	473.5	474.2	474.9	475.3	475.0	474.4	473.7	473.1	472.5	472.4	472.3
175°	475.1	475.8	476.4	476.7	476.4	475.9	475.3	474.8	474.2	474.1	474.1
177.5°	475.8	476.6	477.4	477.8	477.5	476.8	476.2	475.5	474.9	474.8	474.8
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5
2.5°	1265.4	1260.1	1254.9	1254.9	1243.4	1232.9	1227.7	1229.8	1223.5	1215.1	1206.8
5°	1320.8	1299.9	1295.7	1284.2	1268.5	1246.5	1235.0	1224.6	1212.0	1195.3	1179.6
7.5°	1372.1	1344.9	1330.3	1318.8	1288.4	1258.0	1232.9	1216.2	1194.2	1169.1	1150.2
10°	1439.1	1388.9	1373.2	1347.0	1304.1	1261.2	1231.9	1204.7	1174.3	1145.0	1119.9
12.5°	1492.5	1434.9	1405.6	1379.5	1324.0	1269.6	1220.4	1186.9	1150.2	1117.8	1085.4
15°	1553.2	1488.3	1437.0	1405.6	1335.5	1269.6	1214.1	1167.0	1126.2	1086.4	1058.1
17.5°	1582.5	1500.9	1477.8	1432.8	1331.3	1265.4	1197.3	1147.1	1097.9	1051.9	1018.4
20°	1628.6	1533.3	1475.7	1445.4	1355.4	1258.0	1178.5	1120.9	1069.7	1020.5	984.9
22.5°	1631.7	1528.1	1490.4	1432.8	1321.9	1236.1	1161.8	1091.6	1032.0	985.9	949.3
25°	1624.4	1518.7	1466.3	1420.3	1328.2	1223.5	1128.3	1059.2	1000.6	947.2	904.3
27.5°	1621.2	1491.4	1442.3	1396.2	1292.6	1186.9	1108.4	1029.9	962.9	915.8	871.8
30°	1617.0	1462.1	1402.5	1349.1	1253.9	1158.6	1064.4	996.4	932.5	872.9	828.9
32.5°	1589.8	1422.4	1361.7	1305.1	1202.6	1107.3	1033.0	960.8	891.7	836.3	796.5
35°	1581.5	1385.7	1306.2	1245.5	1145.0	1060.2	981.7	922.1	857.2	801.7	754.6
37.5°	1557.4	1348.1	1262.2	1184.8	1080.1	999.5	942.0	882.3	819.5	759.9	722.2
40°	1515.5	1304.1	1206.8	1127.2	1019.4	937.8	884.4	840.4	778.7	725.3	679.3
42.5°	1453.8	1259.1	1154.4	1070.7	951.4	875.0	831.0	789.2	736.8	681.4	643.7
45°	1382.6	1199.4	1102.1	1009.0	887.5	813.2	767.2	742.1	693.9	646.8	602.9
47.5°	1285.3	1137.7	1041.4	945.1	821.6	749.4	712.8	687.6	654.1	602.9	567.3
50°	1162.8	1058.1	967.1	881.3	756.7	687.6	651.0	632.2	603.9	567.3	532.7
52.5°	1026.7	966.0	890.7	811.1	690.8	625.9	592.4	577.7	556.8	522.3	493.0
55°	889.6	863.5	812.2	733.7	621.7	568.3	539.0	520.2	504.5	479.4	454.2
57.5°	767.2	754.6	719.0	658.3	564.1	508.7	483.5	471.0	458.4	439.6	414.5
60°	640.5	654.1	617.5	587.2	501.3	453.2	431.2	417.6	411.3	394.6	378.9
62.5°	530.6	543.2	522.3	499.2	438.5	395.6	382.0	369.5	365.3	350.6	334.9
65°	431.2	446.9	431.2	418.7	382.0	346.4	329.7	323.4	319.2	309.8	297.2
67.5°	343.3	359.0	351.7	336.0	324.5	295.1	285.7	279.4	277.4	270.0	259.6
70°	258.5	280.5	282.6	273.2	262.7	249.1	242.8	240.7	235.5	229.2	222.9
72.5°	186.3	211.4	212.5	212.5	206.2	206.2	199.9	196.8	196.8	190.5	183.2
75°	137.1	153.9	155.9	158.0	161.2	164.3	160.1	160.1	159.1	152.8	149.7
77.5°	91.1	105.7	110.9	118.3	122.5	122.5	124.5	126.6	124.5	121.4	119.3
80°	58.6	69.1	75.4	79.5	85.8	89.0	92.1	93.1	91.1	90.0	86.9
82.5°	38.7	41.9	45.0	50.2	57.6	62.8	62.8	61.8	63.8	62.8	61.8
85°	22.0	24.1	25.1	26.2	30.4	35.6	36.6	37.7	39.8	37.7	35.6
87.5°	8.4	9.4	9.4	9.4	11.5	12.6	15.7	19.9	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°	8.4	7.5	7.1	8.7	11.9	15.2	18.4	21.6	18.4	15.2	11.9
97.5°	23.3	27.3	29.3	30.4	32.6	34.8	37.0	39.2	37.0	34.8	32.6
100°	48.4	60.7	66.8	66.0	64.4	62.9	61.3	59.7	61.3	62.9	64.4
102.5°	67.1	80.8	87.6	87.1	86.1	85.0	84.0	83.0	84.0	85.0	86.1
105°	98.6	105.7	109.2	108.8	107.9	107.0	106.2	105.3	106.2	107.0	107.9
107.5°	134.0	132.8	132.2	131.8	131.1	130.4	129.7	129.0	129.7	130.4	131.1
110°	156.8	155.9	155.5	155.2	154.6	153.9	153.3	152.7	153.3	153.9	154.6



TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	179.0	178.1	177.7	177.4	176.9	176.4	175.8	175.3	175.8	176.4	176.9
115°	200.7	200.0	199.7	199.5	199.0	198.5	198.0	197.5	198.0	198.5	199.0
117.5°	222.5	222.1	221.9	221.6	221.1	220.5	220.0	219.4	220.0	220.5	221.1
120°	243.1	242.9	242.8	242.4	241.7	241.0	240.3	239.6	240.3	241.0	241.7
122.5°	263.1	262.8	262.6	262.3	261.8	261.2	260.7	260.1	260.7	261.2	261.8
125°	281.8	281.5	281.3	281.0	280.4	279.7	279.1	278.5	279.1	279.7	280.4
127.5°	300.3	299.9	299.7	299.4	298.7	298.1	297.4	296.8	297.4	298.1	298.7
130°	317.1	316.8	316.6	316.3	315.7	315.0	314.4	313.8	314.4	315.0	315.7
132.5°	333.2	333.0	332.9	332.6	332.0	331.3	330.7	330.1	330.7	331.3	332.0
135°	349.3	349.0	348.8	348.6	348.1	347.6	347.2	346.7	347.2	347.6	348.1
137.5°	363.8	363.7	363.6	363.3	362.7	362.0	361.4	360.8	361.4	362.0	362.7
140°	377.4	377.2	377.1	376.9	376.4	375.9	375.4	374.9	375.4	375.9	376.4
142.5°	390.5	390.2	390.1	389.9	389.4	388.9	388.5	388.0	388.5	388.9	389.4
145°	402.7	402.6	402.5	402.2	401.7	401.1	400.6	400.0	400.6	401.1	401.7
147.5°	413.7	413.6	413.5	413.3	412.9	412.5	412.1	411.7	412.1	412.5	412.9
150°	423.6	423.4	423.3	423.2	423.0	422.7	422.5	422.3	422.5	422.7	423.0
152.5°	432.3	432.2	432.2	432.2	432.1	432.0	431.9	431.8	431.9	432.0	432.1
155°	440.1	440.0	440.0	440.1	440.2	440.4	440.5	440.7	440.5	440.4	440.2
157.5°	447.6	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7
160°	453.6	453.7	453.7	453.7	453.8	453.9	454.0	454.1	454.0	453.9	453.8
162.5°	458.9	459.0	459.0	459.1	459.4	459.6	459.9	460.1	459.9	459.6	459.4
165°	463.5	463.6	463.6	463.7	464.0	464.2	464.5	464.7	464.5	464.2	464.0
167.5°	467.2	467.2	467.2	467.4	467.7	468.0	468.3	468.6	468.3	468.0	467.7
170°	470.3	470.3	470.3	470.5	470.8	471.1	471.5	471.8	471.5	471.1	470.8
172.5°	472.2	472.1	472.1	472.3	472.7	473.1	473.5	473.9	473.5	473.1	472.7
175°	474.0	473.9	473.9	474.1	474.5	474.8	475.2	475.6	475.2	474.8	474.5
177.5°	474.7	474.6	474.6	474.8	475.2	475.6	476.0	476.4	476.0	475.6	475.2
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5
2.5°	1206.8	1201.5	1199.4	1194.2	1181.6	1173.3	1163.9	1157.6	1158.6	1153.4	1156.5
5°	1169.1	1168.0	1160.7	1150.2	1132.5	1123.0	1106.3	1097.9	1093.7	1094.8	1088.5
7.5°	1137.7	1128.3	1123.0	1106.3	1089.5	1069.7	1056.0	1048.7	1042.4	1036.2	1032.0
10°	1102.1	1093.7	1085.4	1067.6	1044.5	1025.7	1006.9	999.5	990.1	985.9	982.8
12.5°	1064.4	1059.2	1048.7	1027.8	1001.6	983.8	961.9	957.7	945.1	936.7	934.6
15°	1029.9	1026.7	1007.9	983.8	957.7	939.9	921.0	908.5	887.5	891.7	884.4
17.5°	993.3	979.6	968.1	935.7	923.1	895.9	873.9	867.7	853.0	843.6	834.2
20°	952.4	944.1	929.4	908.5	878.1	846.7	830.0	819.5	811.1	796.5	792.3
22.5°	913.7	903.2	890.7	863.5	837.3	811.1	788.1	778.7	768.2	757.8	751.5
25°	883.4	867.7	854.0	820.6	794.4	772.4	757.8	742.1	727.4	721.1	719.0
27.5°	836.3	826.8	813.2	781.8	757.8	733.7	720.1	709.6	693.9	686.6	680.3
30°	805.9	787.1	771.4	746.2	722.2	696.0	683.4	670.9	661.5	652.0	644.7
32.5°	765.1	750.4	737.9	712.8	688.7	664.6	651.0	632.2	626.9	619.6	611.2
35°	725.3	715.9	702.3	675.1	648.9	632.2	617.5	599.7	593.4	588.2	580.9
37.5°	687.6	674.0	664.6	638.4	615.4	595.5	584.0	569.4	565.2	558.9	553.7
40°	655.2	641.6	632.2	606.0	581.9	561.0	553.7	539.0	532.7	525.4	522.3
42.5°	618.6	607.0	594.5	575.6	550.5	529.6	514.9	506.6	498.2	495.1	488.8
45°	579.8	569.4	559.9	539.0	512.8	498.2	485.6	474.1	467.8	462.6	458.4
47.5°	546.3	536.9	524.4	501.3	480.4	466.8	454.2	442.7	436.4	430.2	424.9
50°	507.6	502.4	488.8	466.8	446.9	431.2	419.7	409.2	405.0	397.7	389.3
52.5°	473.1	463.7	452.1	434.4	416.6	397.7	382.0	375.7	368.4	364.2	356.9
55°	432.3	426.0	413.4	397.7	378.9	363.2	351.7	343.3	333.9	329.7	320.3
57.5°	397.7	386.2	379.9	360.0	342.2	326.5	318.2	309.8	299.3	293.1	288.9
60°	360.0	349.6	340.2	323.4	310.8	294.1	281.5	274.2	266.9	258.5	254.3
62.5°	323.4	315.0	303.5	289.9	274.2	260.6	251.2	240.7	236.5	228.2	225.0
65°	283.6	277.4	267.9	252.2	239.7	228.2	218.7	210.4	206.2	203.0	201.0
67.5°	248.1	239.7	233.4	219.8	206.2	196.8	191.5	186.3	181.1	177.9	174.8
70°	211.4	205.1	198.9	186.3	176.9	168.5	164.3	160.1	157.0	153.9	150.7
72.5°	173.7	170.6	164.3	155.9	148.6	142.3	139.2	134.0	130.8	125.6	123.5
75°	143.4	138.2	135.0	127.7	121.4	116.2	112.0	105.7	101.5	99.4	98.4
77.5°	113.0	110.9	106.8	100.5	97.3	92.1	85.8	83.7	81.6	81.6	80.6
80°	84.8	81.6	78.5	73.3	70.1	65.9	65.9	65.9	64.9	65.9	64.9
82.5°	57.6	55.5	53.4	50.2	49.2	49.2	50.2	50.2	50.2	50.2	50.2
85°	33.5	33.5	33.5	34.5	33.5	33.5	34.5	35.6	34.5	34.5	33.5
87.5°	15.7	15.7	16.7	16.7	17.8	17.8	17.8	17.8	17.8	17.8	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	9.8	10.3	10.9	11.4
95°	8.7	7.1	7.5	8.4	9.3	10.1	11.0	11.5	12.1	12.6	13.1
97.5°	30.4	29.3	27.3	23.3	19.3	15.3	11.3	11.9	12.5	13.2	13.8
100°	66.0	66.8	60.7	48.4	36.2	23.9	11.7	12.3	12.9	13.6	14.2
102.5°	87.1	87.6	80.8	67.1	53.4	39.8	26.1	23.5	20.9	18.4	15.8
105°	108.8	109.2	105.7	98.6	91.5	84.5	77.4	63.5	49.6	35.7	21.8
107.5°	131.8	132.2	132.8	134.0	135.1	136.3	137.5	125.4	113.3	101.2	89.1
110°	155.2	155.5	155.9	156.8	157.7	158.5	159.4	156.8	154.2	151.6	149.0

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	177.4	177.7	178.1	179.0	179.9	180.7	181.6	182.3	183.0	183.7	184.4
115°	199.5	199.7	200.0	200.7	201.4	202.1	202.8	203.6	204.4	205.2	206.0
117.5°	221.6	221.9	222.1	222.5	222.9	223.3	223.7	224.3	224.9	225.6	226.2
120°	242.4	242.8	242.9	243.1	243.4	243.6	243.8	244.4	245.1	245.7	246.4
122.5°	262.3	262.6	262.8	263.1	263.4	263.7	264.0	264.4	264.8	265.1	265.5
125°	281.0	281.3	281.5	281.8	282.1	282.4	282.7	282.9	283.0	283.2	283.3
127.5°	299.4	299.7	299.9	300.3	300.6	301.0	301.4	301.6	301.9	302.1	302.4
130°	316.3	316.6	316.8	317.1	317.4	317.7	318.0	318.3	318.7	319.0	319.3
132.5°	332.6	332.9	333.0	333.2	333.5	333.7	333.9	334.2	334.6	334.9	335.2
135°	348.6	348.8	349.0	349.3	349.6	349.9	350.2	350.4	350.7	350.9	351.2
137.5°	363.3	363.6	363.7	363.8	364.0	364.1	364.3	364.7	365.1	365.5	365.9
140°	376.9	377.1	377.2	377.4	377.7	377.9	378.1	378.4	378.7	379.0	379.3
142.5°	389.9	390.1	390.2	390.5	390.7	391.0	391.2	391.4	391.6	391.9	392.1
145°	402.2	402.5	402.6	402.7	402.9	403.0	403.2	403.4	403.5	403.7	403.8
147.5°	413.3	413.5	413.6	413.7	413.9	414.0	414.2	414.4	414.5	414.7	414.8
150°	423.2	423.3	423.4	423.6	423.7	423.9	424.1	424.3	424.4	424.6	424.7
152.5°	432.2	432.2	432.2	432.3	432.4	432.4	432.5	432.8	433.1	433.4	433.7
155°	440.1	440.0	440.0	440.1	440.2	440.2	440.3	440.7	441.1	441.5	441.9
157.5°	447.7	447.7	447.7	447.6	447.5	447.5	447.4	447.9	448.3	448.8	449.3
160°	453.7	453.7	453.7	453.6	453.5	453.5	453.4	453.9	454.3	454.8	455.3
162.5°	459.1	459.0	459.0	458.9	458.8	458.8	458.7	459.3	459.8	460.4	460.9
165°	463.7	463.6	463.6	463.5	463.4	463.4	463.3	463.9	464.5	465.2	465.8
167.5°	467.4	467.2	467.2	467.2	467.2	467.2	467.2	467.8	468.4	469.1	469.7
170°	470.5	470.3	470.3	470.3	470.3	470.3	470.3	470.9	471.6	472.2	472.9
172.5°	472.3	472.1	472.1	472.2	472.3	472.4	472.5	473.1	473.7	474.4	475.0
175°	474.1	473.9	473.9	474.0	474.1	474.1	474.2	474.8	475.3	475.9	476.4
177.5°	474.8	474.6	474.6	474.7	474.8	474.8	474.9	475.5	476.2	476.8	477.5
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5
2.5°	1155.5	1156.5	1153.4	1147.1	1146.1	1148.2	1154.4	1152.3	1147.1	1156.5	1148.2
5°	1091.6	1086.4	1084.3	1086.4	1080.1	1077.0	1083.3	1080.1	1083.3	1084.3	1087.4
7.5°	1029.9	1030.9	1024.6	1025.7	1017.3	1019.4	1019.4	1019.4	1022.6	1024.6	1028.8
10°	976.5	978.6	971.3	972.3	966.0	961.9	965.0	971.3	971.3	971.3	973.4
12.5°	933.6	924.2	918.9	917.9	910.6	908.5	914.8	916.8	922.1	922.1	925.2
15°	880.2	878.1	873.9	873.9	856.1	860.3	862.4	869.7	880.2	871.8	873.9
17.5°	832.1	826.8	821.6	819.5	817.4	811.1	819.5	818.5	824.7	825.8	828.9
20°	789.2	785.0	774.5	775.6	777.6	768.2	773.5	773.5	779.7	786.0	793.3
22.5°	747.3	743.1	737.9	740.0	733.7	731.6	731.6	736.8	744.2	749.4	748.3
25°	714.8	707.5	704.4	701.2	698.1	700.2	697.1	702.3	707.5	710.7	707.5
27.5°	678.2	675.1	668.8	665.7	660.4	662.5	664.6	668.8	671.9	671.9	675.1
30°	642.6	638.4	636.4	633.2	633.2	629.0	630.1	634.3	637.4	640.5	644.7
32.5°	608.1	605.0	601.8	601.8	599.7	598.7	597.6	603.9	603.9	610.2	610.2
35°	579.8	574.6	574.6	569.4	571.5	570.4	568.3	572.5	573.6	577.7	576.7
37.5°	548.4	548.4	546.3	541.1	536.9	538.0	543.2	543.2	546.3	545.3	548.4
40°	517.0	514.9	514.9	511.8	510.8	509.7	510.8	511.8	517.0	516.0	517.0
42.5°	485.6	486.7	481.4	481.4	481.4	478.3	479.4	480.4	482.5	484.6	487.7
45°	455.3	453.2	452.1	450.1	448.0	449.0	448.0	452.1	451.1	453.2	456.3
47.5°	422.8	419.7	418.7	414.5	414.5	416.6	415.5	418.7	419.7	422.8	420.7
50°	391.4	387.3	384.1	385.2	378.9	381.0	381.0	384.1	387.3	388.3	390.4
52.5°	354.8	353.8	352.7	347.5	346.4	345.4	346.4	347.5	351.7	354.8	355.9
55°	319.2	318.2	311.9	309.8	306.7	306.7	308.8	309.8	317.1	318.2	322.4
57.5°	286.8	283.6	276.3	275.3	275.3	275.3	272.1	276.3	278.4	283.6	283.6
60°	251.2	251.2	244.9	244.9	246.0	244.9	244.9	246.0	246.0	250.1	252.2
62.5°	222.9	221.9	221.9	219.8	218.7	219.8	218.7	218.7	219.8	222.9	226.1
65°	197.8	196.8	195.7	194.7	192.6	192.6	193.6	195.7	195.7	197.8	198.9
67.5°	173.7	173.7	171.6	171.6	170.6	169.6	170.6	169.6	173.7	173.7	174.8
70°	149.7	148.6	145.5	144.4	141.3	142.3	142.3	145.5	146.5	148.6	150.7
72.5°	120.4	120.4	118.3	116.2	117.2	115.1	115.1	116.2	116.2	119.3	120.4
75°	99.4	97.3	96.3	97.3	96.3	98.4	96.3	96.3	98.4	98.4	98.4
77.5°	81.6	81.6	80.6	80.6	81.6	80.6	81.6	81.6	81.6	80.6	81.6
80°	67.0	65.9	65.9	65.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
82.5°	50.2	50.2	49.2	50.2	50.2	49.2	50.2	49.2	49.2	50.2	50.2
85°	33.5	35.6	33.5	33.5	34.5	34.5	35.6	34.5	35.6	33.5	34.5
87.5°	17.8	18.8	18.8	17.8	17.8	18.8	18.8	18.8	19.9	17.8	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°	11.7	11.7	11.8	11.9	11.9	12.0	11.9	11.9	11.8	11.7	11.7
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	14.4	14.5	14.4	14.3	14.2	14.1	14.1
100°	14.5	14.5	14.6	14.7	14.7	14.8	14.7	14.7	14.6	14.5	14.5
102.5°	14.5	14.6	14.7	14.9	15.0	15.2	15.0	14.9	14.7	14.6	14.5
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°	83.0	77.9	67.6	57.3	47.1	36.8	47.1	57.3	67.6	77.9	83.0
110°	147.7	142.1	130.9	119.6	108.4	97.2	108.4	119.6	130.9	142.1	147.7

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	184.8	184.7	184.6	184.4	184.3	184.1	184.3	184.4	184.6	184.7	184.8
115°	206.4	206.6	206.9	207.2	207.5	207.8	207.5	207.2	206.9	206.6	206.4
117.5°	226.5	226.5	226.6	226.7	226.8	226.9	226.8	226.7	226.6	226.5	226.5
120°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7
122.5°	265.7	265.7	265.8	265.9	266.0	266.1	266.0	265.9	265.8	265.7	265.7
125°	283.4	283.5	283.6	283.8	283.9	284.1	283.9	283.8	283.6	283.5	283.4
127.5°	302.5	302.4	302.3	302.1	302.0	301.8	302.0	302.1	302.3	302.4	302.5
130°	319.5	319.4	319.2	319.1	318.9	318.7	318.9	319.1	319.2	319.4	319.5
132.5°	335.4	335.3	335.0	334.8	334.5	334.3	334.5	334.8	335.0	335.3	335.4
135°	351.3	351.2	350.9	350.7	350.4	350.2	350.4	350.7	350.9	351.2	351.3
137.5°	366.1	366.0	365.9	365.7	365.6	365.4	365.6	365.7	365.9	366.0	366.1
140°	379.5	379.4	379.3	379.1	379.0	378.8	379.0	379.1	379.3	379.4	379.5
142.5°	392.2	392.1	391.9	391.6	391.4	391.2	391.4	391.6	391.9	392.1	392.2
145°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9
147.5°	414.9	414.7	414.3	413.9	413.5	413.1	413.5	413.9	414.3	414.7	414.9
150°	424.8	424.7	424.4	424.2	423.9	423.7	423.9	424.2	424.4	424.7	424.8
152.5°	433.9	433.7	433.3	433.0	432.6	432.2	432.6	433.0	433.3	433.7	433.9
155°	442.1	441.9	441.4	440.9	440.5	440.0	440.5	440.9	441.4	441.9	442.1
157.5°	449.5	449.2	448.6	447.9	447.3	446.7	447.3	447.9	448.6	449.2	449.5
160°	455.5	455.2	454.7	454.1	453.6	453.0	453.6	454.1	454.7	455.2	455.5
162.5°	461.2	461.0	460.5	460.0	459.5	459.0	459.5	460.0	460.5	461.0	461.2
165°	466.1	465.8	465.3	464.7	464.2	463.6	464.2	464.7	465.3	465.8	466.1
167.5°	470.0	469.7	469.1	468.4	467.8	467.2	467.8	468.4	469.1	469.7	470.0
170°	473.2	472.9	472.2	471.6	470.9	470.3	470.9	471.6	472.2	472.9	473.2
172.5°	475.3	474.9	474.2	473.5	472.8	472.1	472.8	473.5	474.2	474.9	475.3
175°	476.7	476.4	475.8	475.1	474.5	473.9	474.5	475.1	475.8	476.4	476.7
177.5°	477.8	477.4	476.6	475.8	475.0	474.2	475.0	475.8	476.6	477.4	477.8
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5	1222.5
2.5°	1156.5	1160.7	1156.5	1148.2	1156.5	1161.8	1167.0	1175.4	1179.6	1179.6	1185.8
5°	1090.6	1099.0	1095.8	1093.7	1102.1	1107.3	1115.7	1126.2	1137.7	1145.0	1153.4
7.5°	1032.0	1037.2	1042.4	1042.4	1050.8	1062.3	1074.9	1087.4	1102.1	1112.6	1118.8
10°	980.7	984.9	988.0	992.2	1004.8	1017.3	1034.1	1049.8	1062.3	1073.8	1084.3
12.5°	931.5	937.8	945.1	948.2	957.7	973.4	989.1	1007.9	1027.8	1039.3	1049.8
15°	884.4	887.5	895.9	905.3	913.7	930.5	950.3	970.2	987.0	1004.8	1014.2
17.5°	836.3	837.3	859.3	854.0	881.3	897.0	907.4	926.3	953.5	968.1	982.8
20°	789.2	799.6	809.0	814.3	828.9	846.7	877.1	891.7	913.7	927.3	939.9
22.5°	752.5	768.2	768.2	780.8	788.1	804.9	826.8	855.1	879.2	888.6	906.4
25°	720.1	727.4	740.0	744.2	757.8	772.4	787.1	817.4	843.6	856.1	868.7
27.5°	678.2	687.6	704.4	704.4	722.2	737.9	755.7	775.6	801.7	819.5	833.1
30°	645.8	655.2	662.5	674.0	681.4	696.0	727.4	742.1	765.1	780.8	797.5
32.5°	615.4	622.7	629.0	641.6	650.0	666.7	683.4	709.6	729.5	744.2	761.9
35°	581.9	589.3	597.6	607.0	619.6	635.3	651.0	673.0	692.9	706.5	721.1
37.5°	550.5	555.8	568.3	574.6	585.1	599.7	619.6	642.6	660.4	670.9	685.5
40°	520.2	524.4	533.8	545.3	552.6	564.1	585.1	605.0	626.9	639.5	651.0
42.5°	487.7	493.0	501.3	512.8	524.4	536.9	548.4	571.5	591.3	601.8	614.4
45°	459.5	462.6	468.9	480.4	491.9	501.3	519.1	540.1	558.9	567.3	580.9
47.5°	426.0	429.1	438.5	443.8	456.3	468.9	486.7	507.6	524.4	532.7	545.3
50°	391.4	394.6	400.9	412.4	420.7	434.4	450.1	467.8	488.8	500.3	507.6
52.5°	357.9	364.2	369.5	378.9	389.3	403.0	417.6	434.4	452.1	463.7	472.0
55°	324.5	329.7	336.0	341.2	353.8	366.3	383.1	398.8	414.5	424.9	434.4
57.5°	286.8	294.1	300.4	310.8	320.3	330.7	349.6	362.1	381.0	388.3	396.7
60°	254.3	261.7	266.9	275.3	283.6	297.2	309.8	325.5	341.2	350.6	361.1
62.5°	227.1	230.3	233.4	241.8	250.1	262.7	275.3	291.0	307.7	312.9	321.3
65°	199.9	203.0	208.3	215.6	221.9	229.2	242.8	255.4	271.1	279.4	282.6
67.5°	176.9	180.0	181.1	186.3	191.5	199.9	207.2	219.8	234.4	239.7	246.0
70°	150.7	155.9	157.0	161.2	163.3	168.5	176.9	186.3	197.8	207.2	212.5
72.5°	120.4	127.7	129.8	136.1	139.2	144.4	150.7	158.0	165.4	169.6	173.7
75°	98.4	100.5	101.5	106.8	112.0	119.3	122.5	126.6	132.9	138.2	142.3
77.5°	81.6	82.7	83.7	83.7	84.8	89.0	95.2	100.5	104.7	106.8	109.9
80°	65.9	64.9	64.9	65.9	65.9	65.9	68.0	75.4	77.5	82.7	81.6
82.5°	51.3	49.2	50.2	49.2	49.2	49.2	49.2	50.2	50.2	53.4	55.5
85°	33.5	34.5	33.5	33.5	32.4	33.5	32.4	32.4	31.4	31.4	30.4
87.5°	17.8	18.8	17.8	17.8	16.7	17.8	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°	11.4	10.9	10.3	9.8	9.2	8.5	7.8	7.1	6.4	6.0	6.2
95°	13.1	12.6	12.1	11.5	11.0	10.1	9.3	8.4	7.5	7.1	8.7
97.5°	13.8	13.2	12.5	11.9	11.3	15.3	19.3	23.3	27.3	29.3	30.4
100°	14.2	13.6	12.9	12.3	11.7	23.9	36.2	48.4	60.7	66.8	66.0
102.5°	15.8	18.4	20.9	23.5	26.1	39.8	53.4	67.1	80.8	87.6	87.1
105°	21.8	35.7	49.6	63.5	77.4	84.5	91.5	98.6	105.7	109.2	108.8
107.5°	89.1	101.2	113.3	125.4	137.5	136.3	135.1	134.0	132.8	132.2	131.8
110°	149.0	151.6	154.2	156.8	159.4	158.5	157.7	156.8	155.9	155.5	155.2

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	184.4	183.7	183.0	182.3	181.6	180.7	179.9	179.0	178.1	177.7	177.4
115°	206.0	205.2	204.4	203.6	202.8	202.1	201.4	200.7	200.0	199.7	199.5
117.5°	226.2	225.6	224.9	224.3	223.7	223.3	222.9	222.5	222.1	221.9	221.6
120°	246.4	245.7	245.1	244.4	243.8	243.6	243.4	243.1	242.9	242.8	242.4
122.5°	265.5	265.1	264.8	264.4	264.0	263.7	263.4	263.1	262.8	262.6	262.3
125°	283.3	283.2	283.0	282.9	282.7	282.4	282.1	281.8	281.5	281.3	281.0
127.5°	302.4	302.1	301.9	301.6	301.4	301.0	300.6	300.3	299.9	299.7	299.4
130°	319.3	319.0	318.7	318.3	318.0	317.7	317.4	317.1	316.8	316.6	316.3
132.5°	335.2	334.9	334.6	334.2	333.9	333.7	333.5	333.2	333.0	332.9	332.6
135°	351.2	350.9	350.7	350.4	350.2	349.9	349.6	349.3	349.0	348.8	348.6
137.5°	365.9	365.5	365.1	364.7	364.3	364.1	364.0	363.8	363.7	363.6	363.3
140°	379.3	379.0	378.7	378.4	378.1	377.9	377.7	377.4	377.2	377.1	376.9
142.5°	392.1	391.9	391.6	391.4	391.2	391.0	390.7	390.5	390.2	390.1	389.9
145°	403.8	403.7	403.5	403.4	403.2	403.0	402.9	402.7	402.6	402.5	402.2
147.5°	414.8	414.7	414.5	414.4	414.2	414.0	413.9	413.7	413.6	413.5	413.3
150°	424.7	424.6	424.4	424.3	424.1	423.9	423.7	423.6	423.4	423.3	423.2
152.5°	433.7	433.4	433.1	432.8	432.5	432.4	432.4	432.3	432.2	432.2	432.2
155°	441.9	441.5	441.1	440.7	440.3	440.2	440.2	440.1	440.0	440.0	440.1
157.5°	449.3	448.8	448.3	447.9	447.4	447.5	447.5	447.6	447.7	447.7	447.7
160°	455.3	454.8	454.3	453.9	453.4	453.5	453.5	453.6	453.7	453.7	453.7
162.5°	460.9	460.4	459.8	459.3	458.7	458.8	458.8	458.9	459.0	459.0	459.1
165°	465.8	465.2	464.5	463.9	463.3	463.4	463.4	463.5	463.6	463.6	463.7
167.5°	469.7	469.1	468.4	467.8	467.2	467.2	467.2	467.2	467.2	467.2	467.4
170°	472.9	472.2	471.6	470.9	470.3	470.3	470.3	470.3	470.3	470.3	470.5
172.5°	475.0	474.4	473.7	473.1	472.5	472.4	472.3	472.2	472.1	472.1	472.3
175°	476.4	475.9	475.3	474.8	474.2	474.1	474.1	474.0	473.9	473.9	474.1
177.5°	477.5	476.8	476.2	475.5	474.9	474.8	474.8	474.7	474.6	474.6	474.8
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1222.5	1222.5	1222.5	1222.5
2.5°	1191.1	1198.4	1213.0	1225.6
5°	1165.9	1177.5	1199.4	1221.4
7.5°	1135.6	1153.4	1181.6	1212.0
10°	1106.3	1129.3	1163.9	1199.4
12.5°	1077.0	1101.1	1137.7	1183.7
15°	1042.4	1067.6	1111.5	1167.0
17.5°	1012.1	1045.6	1085.4	1140.8
20°	979.6	1004.8	1056.0	1114.7
22.5°	938.8	980.7	1028.8	1090.6
25°	906.4	943.0	991.2	1061.3
27.5°	866.6	909.5	968.1	1029.9
30°	834.2	869.7	924.2	998.5
32.5°	796.5	838.3	894.9	968.1
35°	763.0	798.6	852.0	926.3
37.5°	723.2	761.9	821.6	887.5
40°	688.7	726.4	782.9	844.6
42.5°	646.8	686.6	743.1	795.4
45°	613.3	650.0	695.0	743.1
47.5°	572.5	611.2	655.2	688.7
50°	535.9	571.5	606.0	634.3
52.5°	496.1	528.5	559.9	580.9
55°	459.5	484.6	509.7	524.4
57.5°	416.6	440.6	461.6	469.9
60°	378.9	398.8	412.4	421.8
62.5°	339.1	353.8	364.2	369.5
65°	300.4	310.8	316.1	321.3
67.5°	260.6	270.0	273.2	279.4
70°	218.7	229.2	231.3	234.4
72.5°	187.3	187.3	191.5	195.7
75°	149.7	151.8	153.9	153.9
77.5°	117.2	117.2	119.3	120.4
80°	85.8	86.9	86.9	85.8
82.5°	58.6	60.7	58.6	57.6
85°	32.4	36.6	34.5	34.5
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°	11.9	15.2	18.4	21.6
97.5°	32.6	34.8	37.0	39.2
100°	64.4	62.9	61.3	59.7
102.5°	86.1	85.0	84.0	83.0
105°	107.9	107.0	106.2	105.3
107.5°	131.1	130.4	129.7	129.0
110°	154.6	153.9	153.3	152.7



TEST NUMBER: P1010992

CATALOG NUMBER: S123RDIP-B775D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	176.9	176.4	175.8	175.3
115°	199.0	198.5	198.0	197.5
117.5°	221.1	220.5	220.0	219.4
120°	241.7	241.0	240.3	239.6
122.5°	261.8	261.2	260.7	260.1
125°	280.4	279.7	279.1	278.5
127.5°	298.7	298.1	297.4	296.8
130°	315.7	315.0	314.4	313.8
132.5°	332.0	331.3	330.7	330.1
135°	348.1	347.6	347.2	346.7
137.5°	362.7	362.0	361.4	360.8
140°	376.4	375.9	375.4	374.9
142.5°	389.4	388.9	388.5	388.0
145°	401.7	401.1	400.6	400.0
147.5°	412.9	412.5	412.1	411.7
150°	423.0	422.7	422.5	422.3
152.5°	432.1	432.0	431.9	431.8
155°	440.2	440.4	440.5	440.7
157.5°	447.7	447.7	447.7	447.7
160°	453.8	453.9	454.0	454.1
162.5°	459.4	459.6	459.9	460.1
165°	464.0	464.2	464.5	464.7
167.5°	467.7	468.0	468.3	468.6
170°	470.8	471.1	471.5	471.8
172.5°	472.7	473.1	473.5	473.9
175°	474.5	474.8	475.2	475.6
177.5°	475.2	475.6	476.0	476.4
180°	475.6	475.6	475.6	475.6

(END OF REPORT)