

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: P1010726

Luminaire Tested: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010726
REPORT IS A COMBINATION OF REPORTS P990350 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

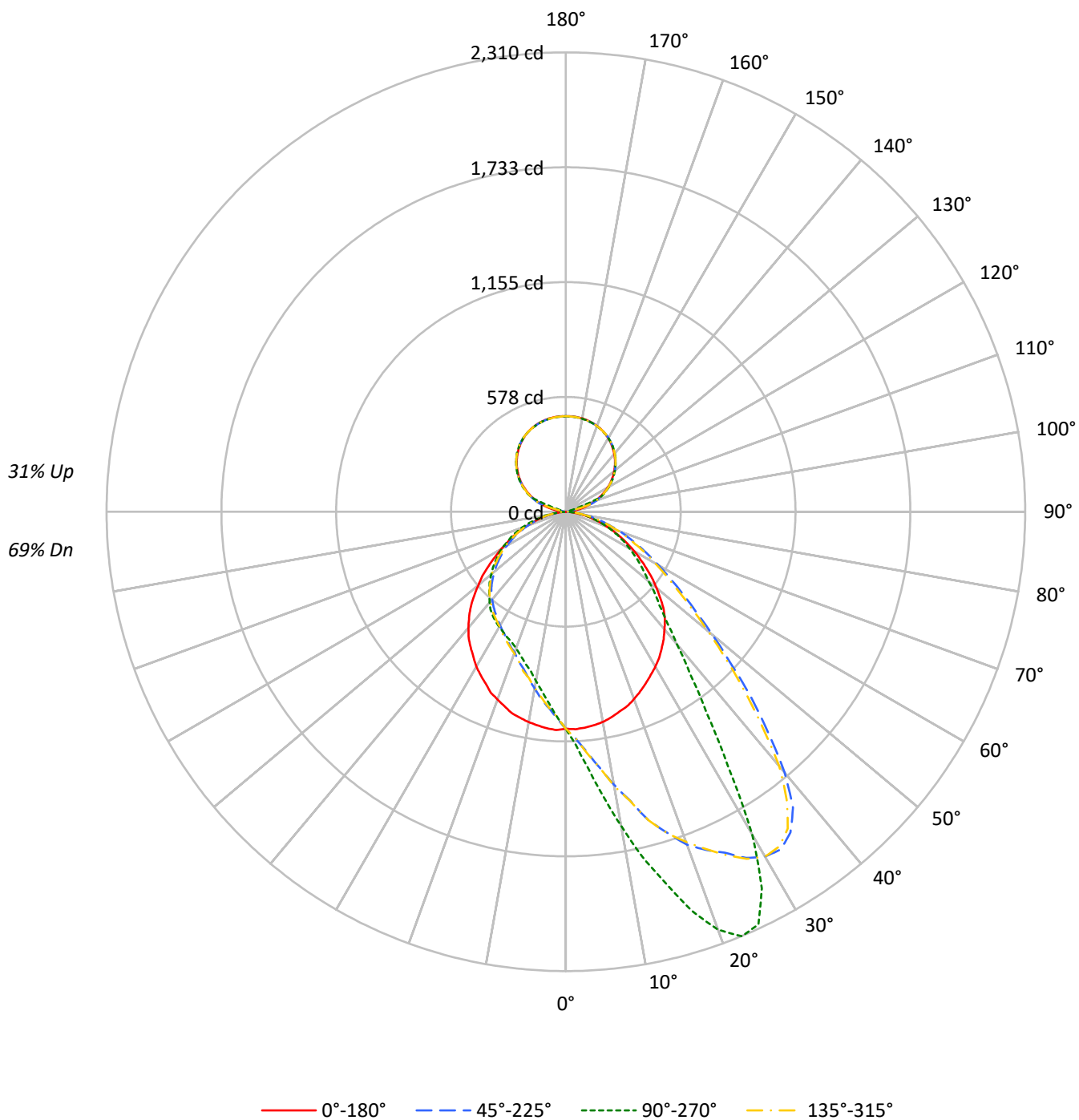
Lumens per Lamp: N/A
Luminaire Lumens: 4759.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

TEST NUMBER: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

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	112	112	112	112	106	106	106	106	94	94	94	83	83	83	74	74	74			69
1	102	98	94	91	97	93	90	87	83	81	78	74	72	70	66	64	63			59
2	94	86	80	75	88	82	76	72	73	69	65	66	62	59	58	56	54			50
3	86	76	69	63	81	72	66	60	65	60	55	58	54	51	52	49	46			43
4	79	68	60	54	74	64	57	51	58	52	48	52	47	44	47	43	40			37
5	72	60	52	46	68	58	50	45	52	46	41	47	42	38	42	38	35			32
6	67	54	46	40	63	52	44	39	47	41	36	43	37	34	38	34	31			28
7	62	49	41	36	58	47	40	34	43	37	32	39	34	30	35	31	28			25
8	57	45	37	32	54	43	36	31	39	33	29	36	30	27	32	28	25			23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22			20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	28	23	20			18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11745	11745	11745	11745
5°	11752	13532	11786	10099
10°	11677	16375	11688	8819
15°	11516	19419	11610	7938
20°	11378	22358	11401	7304
25°	11170	22922	11195	6974
30°	11023	18937	11023	6757
35°	10840	12665	10773	6566
40°	10622	9142	10491	6273
45°	10347	7243	10048	5908
50°	9679	6151	9336	5551
55°	8946	5404	8581	5152
60°	8202	4705	7767	4732
65°	7385	4029	7027	4175
70°	6538	3345	6102	3519
75°	5592	2523	5227	2716
80°	4419	1684	4077	1785
85°	3045	774	2440	703

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18941 cd/sqm

TEST NUMBER: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	2.3
10°-20°	344.6	7.2
20°-30°	579.9	12.2
30°-40°	655.3	13.8
40°-50°	587.0	12.3
50°-60°	473.8	10.0
60°-70°	330.2	6.9
70°-80°	173.3	3.6
80°-90°	42.5	0.9
90°-100°	16.9	0.4
100°-110°	81.9	1.7
110°-120°	200.8	4.2
120°-130°	254.9	5.4
130°-140°	272.3	5.7
140°-150°	254.6	5.4
150°-160°	205.4	4.3
160°-170°	132.5	2.8
170°-180°	45.7	1.0
0°-30°	1031.8	21.7
0°-40°	1687.2	35.5
0°-60°	2748.0	57.7
0°-90°	3294.0	69.2
90°-120°	299.6	6.3
90°-150°	1081.4	22.7
90°-180°	1465.0	30.8
0°-180°	4759.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1090	1296	1093	967	1090	103
15°	1040	1929	1049	789	1040	294
25°	952	2290	954	697	952	439
35°	839	1234	834	640	839	525
45°	697	666	677	543	697	533
55°	494	452	474	431	494	442
65°	306	294	291	304	306	304
75°	147	151	137	163	147	158
85°	32	35	25	32	32	37
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	

TEST NUMBER: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1094.2	1102.7	1106.9	1113.3	1119.6	1129.1	1132.3	1137.6	1135.5	1139.7	1141.8
5°	1090.0	1104.8	1117.5	1133.4	1148.2	1158.7	1169.3	1186.2	1198.9	1201.0	1210.5
7.5°	1082.6	1103.7	1126.0	1148.2	1176.7	1193.6	1212.6	1235.9	1254.9	1285.6	1297.2
10°	1073.1	1102.7	1134.4	1165.1	1204.2	1230.6	1253.9	1293.0	1332.1	1363.8	1393.4
12.5°	1058.3	1095.3	1136.5	1182.0	1232.7	1263.4	1295.1	1346.9	1406.1	1454.7	1486.5
15°	1040.3	1086.8	1139.7	1188.3	1244.4	1301.5	1335.3	1393.4	1478.0	1523.5	1604.9
17.5°	1025.5	1073.1	1126.0	1202.1	1278.2	1335.3	1359.6	1466.4	1524.5	1600.6	1692.6
20°	1002.3	1062.5	1130.2	1206.3	1304.6	1339.5	1389.2	1497.0	1568.9	1668.3	1781.4
22.5°	977.9	1042.4	1123.8	1203.1	1313.1	1350.1	1417.7	1503.4	1617.6	1715.9	1840.6
25°	951.5	1021.3	1103.7	1197.8	1305.7	1359.6	1423.0	1528.8	1652.5	1776.1	1891.4
27.5°	925.1	1001.2	1086.8	1180.9	1285.6	1349.0	1412.5	1522.4	1681.0	1815.3	1962.2
30°	899.7	975.8	1061.5	1157.7	1267.6	1328.9	1389.2	1526.6	1703.2	1854.4	2002.4
32.5°	872.2	950.5	1040.3	1120.7	1231.7	1297.2	1364.9	1526.6	1716.9	1877.6	2013.0
35°	839.4	919.8	997.0	1077.3	1187.3	1260.2	1336.3	1516.1	1729.6	1885.0	1968.6
37.5°	807.7	878.6	945.2	1023.4	1138.6	1216.9	1304.6	1503.4	1723.3	1853.3	1876.6
40°	771.8	842.6	896.5	969.5	1091.1	1182.0	1270.8	1486.5	1695.8	1778.3	1710.6
42.5°	736.9	792.9	839.4	910.3	1042.4	1131.2	1227.4	1455.8	1641.9	1658.8	1506.6
45°	696.7	736.9	778.1	858.5	989.6	1080.5	1187.3	1411.4	1555.2	1506.6	1314.1
47.5°	644.9	680.9	726.3	800.3	933.5	1027.6	1129.1	1354.3	1429.4	1327.9	1117.5
50°	595.2	625.9	668.2	740.1	874.3	966.3	1074.1	1264.4	1301.5	1141.8	963.1
52.5°	545.5	568.8	610.0	681.9	816.2	905.0	1003.3	1172.5	1151.3	980.1	821.5
55°	493.7	513.8	552.9	623.8	748.5	833.1	927.2	1059.3	1004.4	841.6	714.7
57.5°	443.0	464.1	504.3	563.5	680.9	763.3	838.4	942.0	859.5	729.5	617.4
60°	397.5	415.5	446.2	504.3	611.1	677.7	746.4	817.2	748.5	622.7	537.1
62.5°	349.9	366.9	395.4	448.3	540.2	599.4	654.4	712.6	636.5	544.5	468.4
65°	305.5	319.3	345.7	394.3	469.4	518.0	562.4	602.6	541.3	456.7	399.6
67.5°	265.4	277.0	299.2	342.5	406.0	440.9	476.8	510.6	458.8	391.2	342.5
70°	222.0	231.5	251.6	283.3	334.1	370.0	396.5	421.8	375.3	321.4	288.6
72.5°	184.0	193.5	206.2	238.9	273.8	296.0	324.6	338.3	311.9	267.5	234.7
75°	147.0	154.4	166.0	187.1	219.9	234.7	252.7	263.3	238.9	209.3	189.2
77.5°	115.2	118.4	126.9	141.7	163.9	180.8	194.5	200.9	184.0	164.9	148.0
80°	81.4	85.6	92.0	104.7	121.6	126.9	135.3	142.7	132.2	115.2	104.7
82.5°	53.9	59.2	62.4	67.7	78.2	84.6	86.7	93.0	83.5	77.2	72.9
85°	31.7	33.8	34.9	38.1	43.3	46.5	49.7	50.7	48.6	47.6	43.3
87.5°	15.9	15.9	15.9	18.0	19.0	21.1	22.2	22.2	22.2	21.1	20.1
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

TEST NUMBER: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

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

TEST NUMBER: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1149.2	1151.3	1158.7	1164.0	1174.6	1173.5	1173.5	1172.5	1169.3	1174.6	1177.8
5°	1229.6	1247.5	1249.6	1272.9	1274.0	1283.5	1289.8	1284.5	1297.2	1296.2	1286.6
7.5°	1328.9	1353.3	1364.9	1387.1	1412.5	1406.1	1430.4	1434.7	1432.5	1443.1	1450.5
10°	1437.8	1480.1	1509.7	1551.0	1561.5	1567.9	1583.7	1597.5	1625.0	1603.8	1617.6
12.5°	1562.6	1593.2	1632.4	1697.9	1730.7	1751.8	1759.2	1768.7	1787.8	1776.1	1777.2
15°	1667.3	1708.5	1775.1	1856.5	1866.0	1892.4	1886.1	1943.2	1970.7	1929.4	1952.7
17.5°	1776.1	1831.1	1910.4	1981.2	2021.4	2039.4	2056.3	2111.3	2109.2	2102.8	2108.1
20°	1845.9	1935.8	2034.1	2128.2	2139.8	2153.6	2199.0	2222.3	2218.1	2236.0	2247.7
22.5°	1944.2	2039.4	2144.1	2206.4	2232.9	2248.7	2284.7	2299.5	2305.8	2310.0	2302.6
25°	2026.7	2128.2	2205.4	2260.4	2276.2	2284.7	2296.3	2300.5	2297.4	2290.0	2296.3
27.5°	2082.7	2164.2	2217.0	2242.4	2233.9	2220.2	2198.0	2183.2	2150.4	2134.5	2153.6
30°	2106.0	2141.9	2157.8	2115.5	2073.2	2039.4	1997.1	1918.9	1857.6	1875.5	1851.2
32.5°	2069.0	2045.7	1969.6	1860.7	1828.0	1773.0	1653.5	1561.5	1564.7	1516.1	1536.2
35°	1960.1	1854.4	1710.6	1545.7	1502.3	1472.7	1341.6	1321.5	1279.2	1233.8	1246.5
37.5°	1767.7	1613.3	1438.9	1317.3	1252.8	1188.3	1114.3	1069.9	1044.5	1025.5	1040.3
40°	1533.0	1344.8	1201.0	1092.1	1037.1	995.9	945.2	900.8	872.2	869.0	874.3
42.5°	1302.5	1143.9	1011.8	908.2	890.2	841.6	808.8	773.9	765.4	751.7	759.1
45°	1102.7	973.7	864.8	780.2	759.1	746.4	706.2	684.0	674.5	666.1	678.7
47.5°	957.9	822.5	743.2	692.5	671.3	650.2	628.0	613.2	605.8	606.9	605.8
50°	818.3	718.9	649.1	610.0	597.3	582.5	564.6	555.0	551.9	542.4	549.8
52.5°	704.1	632.2	583.6	546.6	537.1	526.5	511.7	506.4	499.0	496.9	496.9
55°	612.1	556.1	517.0	492.7	481.0	472.6	464.1	457.8	452.5	452.5	452.5
57.5°	540.2	491.6	463.1	441.9	437.7	429.2	419.7	419.7	412.3	411.3	414.4
60°	478.9	435.6	413.4	395.4	389.1	386.9	377.4	377.4	375.3	370.0	374.3
62.5°	416.5	384.8	365.8	352.1	345.7	345.7	338.3	333.0	333.0	334.1	332.0
65°	359.5	336.2	319.3	308.7	305.5	301.3	300.3	296.0	292.9	293.9	292.9
67.5°	308.7	290.7	279.1	270.7	265.4	263.3	260.1	260.1	258.0	259.0	253.7
70°	263.3	245.3	235.8	227.3	225.2	225.2	221.0	222.0	219.9	223.1	221.0
72.5°	216.7	203.0	195.6	192.4	190.3	189.2	187.1	185.0	184.0	186.1	185.0
75°	175.5	163.9	158.6	156.5	154.4	154.4	153.3	152.2	151.2	151.2	151.2
77.5°	136.4	129.0	122.6	124.8	121.6	122.6	119.5	119.5	120.5	119.5	119.5
80°	100.4	95.2	95.2	93.0	88.8	90.9	90.9	87.8	86.7	88.8	85.6
82.5°	66.6	65.5	63.4	62.4	60.3	61.3	60.3	59.2	58.1	60.3	58.1
85°	39.1	39.1	38.1	35.9	38.1	37.0	35.9	35.9	34.9	34.9	34.9
87.5°	20.1	18.0	18.0	16.9	18.0	15.9	16.9	15.9	14.8	15.9	14.8
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: P1010726

CATALOG NUMBER: S123DIP-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: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1169.3	1172.5	1164.0	1161.9	1161.9	1166.1	1163.0	1134.4	1139.7	1133.4	1131.2
5°	1298.3	1291.9	1283.5	1279.2	1274.0	1259.2	1258.1	1225.3	1219.0	1197.8	1188.3
7.5°	1439.9	1434.7	1409.3	1406.1	1404.0	1390.3	1355.4	1320.5	1295.1	1270.8	1247.5
10°	1601.7	1585.8	1574.2	1551.0	1539.3	1520.3	1474.8	1442.1	1398.7	1361.7	1313.1
12.5°	1796.2	1778.3	1739.1	1722.2	1707.4	1654.6	1609.1	1572.1	1487.5	1462.1	1401.9
15°	1939.0	1900.9	1896.7	1859.7	1857.6	1799.4	1712.7	1672.5	1607.0	1514.0	1451.6
17.5°	2093.3	2059.5	2033.1	1988.7	1982.3	1927.3	1863.9	1765.6	1693.7	1604.9	1525.6
20°	2206.4	2188.5	2143.0	2125.0	2088.0	2041.5	1976.0	1854.4	1766.6	1677.8	1580.6
22.5°	2296.3	2278.3	2242.4	2218.1	2196.9	2136.7	2058.4	1954.8	1834.3	1718.0	1617.6
25°	2295.2	2290.0	2275.2	2263.5	2247.7	2203.3	2137.7	2038.3	1904.1	1776.1	1636.6
27.5°	2165.2	2180.0	2205.4	2218.1	2214.9	2208.6	2171.6	2088.0	1967.5	1815.3	1658.8
30°	1894.6	1948.5	1996.1	2059.5	2078.5	2125.0	2146.2	2098.6	2002.4	1860.7	1687.3
32.5°	1571.0	1649.3	1752.9	1787.8	1848.0	1937.9	2038.3	2056.3	1996.1	1887.2	1705.3
35°	1288.8	1353.3	1433.6	1488.6	1542.5	1688.4	1815.3	1925.2	1945.3	1873.4	1701.1
37.5°	1066.7	1112.2	1183.0	1229.6	1279.2	1404.0	1581.6	1724.3	1824.8	1826.9	1689.5
40°	906.0	926.1	987.5	1021.3	1068.9	1176.7	1335.3	1521.4	1668.3	1736.0	1658.8
42.5°	767.5	794.0	844.7	870.1	900.8	994.9	1099.5	1276.1	1457.9	1602.8	1601.7
45°	685.1	704.1	727.4	748.5	783.4	839.4	958.9	1091.1	1265.5	1429.4	1493.9
47.5°	612.1	630.1	653.4	659.7	683.0	735.8	808.8	924.0	1086.8	1249.6	1371.2
50°	550.8	565.6	581.5	593.1	603.7	647.0	702.0	799.3	929.3	1086.8	1238.0
52.5°	503.2	513.8	527.6	533.9	543.4	575.1	617.4	689.3	796.1	939.9	1086.8
55°	458.8	466.2	474.7	485.3	489.5	512.8	545.5	606.9	686.1	815.1	954.7
57.5°	417.6	420.8	426.1	432.4	437.7	457.8	486.3	527.6	597.3	696.7	828.9
60°	371.1	379.5	382.7	389.1	392.2	408.1	430.3	465.2	519.1	604.7	704.1
62.5°	332.0	337.3	342.5	345.7	353.1	358.4	376.4	408.1	452.5	515.9	605.8
65°	297.1	299.2	302.4	305.5	307.7	314.0	330.9	352.1	385.9	441.9	511.7
67.5°	256.9	259.0	263.3	264.3	266.4	274.9	284.4	302.4	330.9	373.2	430.3
70°	217.8	221.0	223.1	225.2	228.4	231.5	242.1	256.9	279.1	308.7	353.1
72.5°	184.0	187.1	187.1	189.2	188.2	192.4	203.0	213.6	228.4	252.7	291.8
75°	150.1	150.1	152.2	153.3	154.4	158.6	162.8	171.3	182.9	201.9	226.2
77.5°	118.4	117.4	119.5	119.5	119.5	122.6	126.9	131.1	138.5	152.2	171.3
80°	86.7	86.7	88.8	89.9	87.8	88.8	90.9	95.2	100.4	110.0	120.5
82.5°	57.1	61.3	60.3	61.3	60.3	62.4	63.4	64.5	66.6	70.8	78.2
85°	34.9	34.9	34.9	35.9	34.9	35.9	35.9	35.9	37.0	39.1	42.3
87.5°	14.8	14.8	14.8	15.9	14.8	14.8	15.9	14.8	15.9	15.9	16.9
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: P1010726

CATALOG NUMBER: S123DIP-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: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1120.7	1117.5	1117.5	1115.4	1109.0	1097.4	1096.3	1098.5	1092.1	1085.8	1076.3
5°	1175.6	1155.6	1149.2	1142.9	1130.2	1109.0	1100.6	1093.2	1081.5	1067.8	1053.0
7.5°	1222.2	1193.6	1185.2	1173.5	1148.2	1118.5	1099.5	1083.7	1067.8	1048.8	1030.8
10°	1280.3	1239.1	1219.0	1202.1	1167.2	1126.0	1097.4	1074.1	1048.8	1025.5	1002.3
12.5°	1345.9	1279.2	1272.9	1231.7	1191.5	1130.2	1095.3	1061.5	1027.6	999.1	974.8
15°	1400.8	1327.9	1301.5	1274.0	1196.8	1120.7	1086.8	1048.8	1009.7	979.0	943.0
17.5°	1435.7	1375.5	1319.4	1282.4	1202.1	1134.4	1068.9	1025.5	984.3	942.0	912.4
20°	1478.0	1390.3	1341.6	1291.9	1212.6	1123.8	1058.3	1004.4	953.6	915.6	879.6
22.5°	1520.3	1401.9	1361.7	1307.8	1214.8	1113.3	1039.3	985.3	927.2	889.1	850.0
25°	1516.1	1418.8	1352.2	1306.7	1193.6	1103.7	1017.1	953.6	899.7	851.1	812.0
27.5°	1519.2	1399.8	1332.1	1279.2	1178.8	1090.0	993.8	927.2	871.2	820.4	779.2
30°	1520.3	1371.2	1312.0	1248.6	1151.3	1057.2	967.4	899.7	840.5	785.5	748.5
32.5°	1517.1	1348.0	1274.0	1216.9	1108.0	1025.5	936.7	864.8	804.6	753.8	718.9
35°	1509.7	1320.5	1234.8	1163.0	1063.6	980.1	908.2	834.2	769.7	723.1	683.0
37.5°	1489.6	1290.9	1193.6	1122.8	1011.8	927.2	863.8	802.4	740.1	685.1	651.3
40°	1474.8	1250.7	1152.4	1075.2	955.7	873.3	820.4	762.3	700.9	651.3	618.5
42.5°	1441.0	1212.6	1110.1	1018.1	900.8	816.2	766.5	720.0	667.1	618.5	588.9
45°	1386.0	1171.4	1058.3	965.3	840.5	760.1	714.7	676.6	630.1	583.6	554.0
47.5°	1308.9	1112.2	1003.3	910.3	781.3	699.9	654.4	625.9	588.9	549.8	524.4
50°	1225.3	1047.7	947.3	855.3	724.2	644.9	600.5	574.1	549.8	513.8	489.5
52.5°	1116.4	979.0	882.8	795.0	662.9	586.8	547.6	528.6	503.2	477.9	456.7
55°	1010.7	890.2	810.9	727.4	602.6	531.8	493.7	473.6	458.8	437.7	420.8
57.5°	888.1	807.7	734.8	658.7	546.6	482.1	446.2	421.8	412.3	402.8	386.9
60°	774.9	713.6	654.4	591.0	488.4	430.3	395.4	376.4	366.9	360.5	349.9
62.5°	671.3	623.8	573.0	522.3	429.2	376.4	349.9	330.9	322.5	321.4	311.9
65°	572.0	538.1	496.9	447.2	374.3	327.7	302.4	290.7	281.2	281.2	273.8
67.5°	472.6	449.3	416.5	381.7	324.6	281.2	258.0	247.4	242.1	242.1	236.8
70°	393.3	377.4	347.8	317.2	267.5	234.7	216.7	207.2	204.0	205.1	200.9
72.5°	319.3	302.4	278.1	255.8	218.8	194.5	181.8	171.3	166.0	167.0	166.0
75°	247.4	238.9	217.8	200.9	171.3	154.4	142.7	137.4	133.2	134.3	132.2
77.5°	186.1	173.4	161.8	150.1	132.2	118.4	108.9	103.6	100.4	100.4	100.4
80°	126.9	124.8	115.2	108.9	94.1	83.5	76.1	75.1	71.9	71.9	71.9
82.5°	82.5	77.2	71.9	67.7	59.2	52.9	49.7	47.6	46.5	45.5	47.6
85°	45.5	42.3	40.2	35.9	32.8	29.6	26.4	25.4	24.3	25.4	24.3
87.5°	18.0	14.8	14.8	13.7	12.7	11.6	11.6	9.5	9.5	8.5	8.5
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: P1010726

CATALOG NUMBER: S123DIP-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: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1074.1	1073.1	1075.2	1068.9	1058.3	1053.0	1038.2	1035.0	1034.0	1035.0	1036.1
5°	1044.5	1043.5	1040.3	1029.7	1017.1	1007.5	989.6	988.5	982.2	975.8	979.0
7.5°	1016.0	1011.8	1005.4	991.7	974.8	964.2	949.4	938.8	930.4	925.1	920.8
10°	987.5	981.1	974.8	956.8	935.6	919.8	901.8	893.4	883.8	879.6	875.4
12.5°	950.5	944.1	932.5	911.3	898.6	878.6	860.6	852.1	846.8	838.4	833.1
15°	920.8	908.2	901.8	879.6	853.2	851.1	818.3	816.2	805.6	805.6	797.2
17.5°	887.0	877.5	865.9	843.7	824.6	805.6	788.7	782.4	772.8	770.7	766.5
20°	854.2	841.6	837.3	815.1	795.0	771.8	753.8	747.5	743.2	739.0	742.2
22.5°	820.4	809.8	799.3	779.2	764.4	741.1	730.5	724.2	717.9	715.7	716.8
25°	787.6	778.1	767.5	747.5	731.6	712.6	703.1	699.9	696.7	696.7	695.7
27.5°	755.9	746.4	736.9	718.9	703.1	689.3	681.9	678.7	675.6	677.7	679.8
30°	723.1	714.7	706.2	690.4	677.7	665.0	660.8	658.7	657.6	662.9	662.9
32.5°	693.5	686.1	679.8	665.0	652.3	641.7	638.6	639.6	640.7	643.9	646.0
35°	662.9	657.6	651.3	638.6	628.0	618.5	619.5	619.5	621.7	626.9	631.2
37.5°	635.4	628.0	622.7	612.1	603.7	595.2	598.4	601.6	603.7	610.0	612.1
40°	602.6	599.4	595.2	584.6	577.2	576.2	577.2	579.4	583.6	586.8	589.9
42.5°	576.2	572.0	566.7	558.2	551.9	552.9	554.0	556.1	558.2	563.5	566.7
45°	546.6	543.4	539.2	531.8	526.5	527.6	528.6	528.6	530.7	537.1	539.2
47.5°	513.8	514.9	509.6	502.2	499.0	499.0	499.0	501.1	506.4	508.5	509.6
50°	482.1	480.0	478.9	471.5	469.4	468.4	469.4	470.5	477.9	476.8	480.0
52.5°	448.3	448.3	447.2	443.0	439.8	439.8	437.7	443.0	445.1	447.2	450.4
55°	415.5	412.3	411.3	409.1	404.9	403.9	406.0	412.3	414.4	416.5	419.7
57.5°	379.5	379.5	377.4	374.3	374.3	374.3	374.3	378.5	381.7	383.8	390.1
60°	346.8	342.5	339.4	339.4	339.4	338.3	344.7	344.7	351.0	352.1	354.2
62.5°	307.7	305.5	303.4	304.5	303.4	305.5	307.7	311.9	312.9	316.1	319.3
65°	270.7	270.7	268.5	274.9	270.7	270.7	275.9	275.9	278.1	281.2	285.5
67.5°	234.7	235.8	233.6	233.6	235.8	236.8	237.9	242.1	243.2	247.4	252.7
70°	197.7	199.8	200.9	198.8	200.9	203.0	205.1	206.2	210.4	212.5	215.7
72.5°	164.9	167.0	163.9	164.9	166.0	168.1	169.2	171.3	173.4	179.7	181.8
75°	132.2	131.1	130.0	134.3	132.2	136.4	137.4	137.4	139.6	144.8	147.0
77.5°	101.5	101.5	102.6	100.4	103.6	102.6	103.6	106.8	110.0	110.0	118.4
80°	70.8	72.9	72.9	72.9	74.0	75.1	72.9	78.2	79.3	79.3	82.5
82.5°	45.5	46.5	45.5	47.6	47.6	49.7	48.6	49.7	51.8	53.9	55.0
85°	24.3	24.3	26.4	26.4	25.4	26.4	25.4	26.4	28.5	28.5	29.6
87.5°	8.5	8.5	8.5	8.5	9.5	8.5	9.5	9.5	8.5	8.5	11.6
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: P1010726

CATALOG NUMBER: S123DIP-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: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1035.0	1036.1	1031.9	1028.7	1037.1	1031.9	1031.9	1032.9	1030.8	1034.0	1032.9
5°	976.9	977.9	970.5	972.7	968.4	967.4	966.3	972.7	971.6	970.5	972.7
7.5°	919.8	919.8	916.6	914.5	914.5	911.3	915.6	914.5	916.6	916.6	919.8
10°	872.2	874.3	869.0	863.8	862.7	863.8	863.8	864.8	865.9	873.3	872.2
12.5°	833.1	829.9	828.9	825.7	820.4	818.3	816.2	827.8	824.6	824.6	824.6
15°	789.8	797.2	796.1	786.6	784.5	788.7	786.6	786.6	797.2	796.1	795.0
17.5°	766.5	764.4	762.3	757.0	758.0	757.0	758.0	758.0	764.4	764.4	764.4
20°	740.1	735.8	735.8	733.7	733.7	730.5	734.8	735.8	740.1	740.1	741.1
22.5°	716.8	713.6	713.6	712.6	714.7	710.5	714.7	715.7	715.7	718.9	718.9
25°	696.7	694.6	694.6	696.7	696.7	696.7	696.7	700.9	697.8	698.8	697.8
27.5°	678.7	679.8	680.9	681.9	680.9	681.9	683.0	685.1	686.1	685.1	683.0
30°	661.8	665.0	666.1	666.1	668.2	669.2	670.3	670.3	671.3	668.2	670.3
32.5°	649.1	649.1	651.3	652.3	654.4	655.5	655.5	657.6	656.5	653.4	654.4
35°	631.2	631.2	635.4	637.5	640.7	639.6	640.7	640.7	641.7	639.6	636.5
37.5°	613.2	615.3	615.3	619.5	620.6	621.7	620.6	622.7	621.7	619.5	618.5
40°	592.0	591.0	592.0	595.2	596.3	596.3	596.3	598.4	598.4	598.4	597.3
42.5°	565.6	568.8	567.7	570.9	569.8	569.8	572.0	574.1	575.1	572.0	573.0
45°	540.2	540.2	542.4	542.4	543.4	543.4	547.6	545.5	547.6	545.5	546.6
47.5°	512.8	513.8	513.8	514.9	517.0	519.1	517.0	518.0	518.0	519.1	517.0
50°	482.1	482.1	484.2	487.4	491.6	489.5	488.4	492.7	489.5	489.5	487.4
52.5°	450.4	453.6	454.6	457.8	461.0	462.0	463.1	461.0	462.0	458.8	459.9
55°	419.7	420.8	425.0	428.2	431.4	431.4	430.3	431.4	432.4	428.2	428.2
57.5°	389.1	392.2	396.5	396.5	400.7	400.7	399.6	399.6	400.7	397.5	396.5
60°	356.3	359.5	364.7	364.7	371.1	372.1	370.0	367.9	367.9	364.7	365.8
62.5°	321.4	324.6	327.7	333.0	337.3	335.1	339.4	335.1	336.2	329.9	329.9
65°	290.7	291.8	297.1	302.4	302.4	304.5	302.4	303.4	300.3	300.3	296.0
67.5°	254.8	254.8	260.1	265.4	270.7	270.7	270.7	267.5	267.5	264.3	264.3
70°	223.1	222.0	227.3	230.5	233.6	234.7	232.6	231.5	229.4	226.2	225.2
72.5°	184.0	186.1	191.4	193.5	198.8	197.7	203.0	196.6	196.6	191.4	190.3
75°	149.1	151.2	156.5	159.6	162.8	162.8	166.0	162.8	158.6	156.5	155.4
77.5°	118.4	117.4	121.6	126.9	127.9	126.9	129.0	127.9	123.7	123.7	121.6
80°	84.6	87.8	92.0	90.9	95.2	94.1	94.1	92.0	92.0	88.8	90.9
82.5°	56.0	59.2	60.3	59.2	60.3	62.4	63.4	62.4	62.4	60.3	61.3
85°	29.6	29.6	31.7	32.8	31.7	31.7	32.8	35.9	33.8	31.7	33.8
87.5°	9.5	8.5	8.5	9.5	8.5	8.5	9.5	9.5	10.6	10.6	10.6
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: P1010726

CATALOG NUMBER: S123DIP-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: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1036.1	1038.2	1039.3	1035.0	1031.9	1037.1	1044.5	1049.8	1054.1	1059.3	1062.5
5°	974.8	982.2	982.2	984.3	987.5	992.7	1006.5	1016.0	1024.5	1030.8	1036.1
7.5°	923.0	928.2	931.4	936.7	942.0	949.4	965.3	979.0	991.7	999.1	1007.5
10°	876.4	880.7	886.0	889.1	898.6	909.2	929.3	940.9	955.7	967.4	977.9
12.5°	832.0	846.8	850.0	849.0	857.4	869.0	889.1	907.1	923.0	934.6	946.2
15°	800.3	805.6	812.0	810.9	828.9	832.0	849.0	870.1	891.2	898.6	909.2
17.5°	765.4	773.9	780.2	783.4	788.7	800.3	816.2	832.0	859.5	860.6	888.1
20°	737.9	746.4	750.6	754.9	758.0	771.8	785.5	803.5	825.7	837.3	852.1
22.5°	720.0	724.2	727.4	730.5	734.8	742.2	759.1	779.2	794.0	806.7	816.2
25°	698.8	703.1	707.3	709.4	712.6	716.8	729.5	745.3	766.5	774.9	784.5
27.5°	684.0	684.0	686.1	686.1	690.4	694.6	704.1	718.9	735.8	746.4	759.1
30°	668.2	667.1	668.2	667.1	666.1	672.4	680.9	693.5	705.2	717.9	726.3
32.5°	652.3	651.3	651.3	652.3	648.1	651.3	655.5	667.1	679.8	686.1	695.7
35°	635.4	633.3	633.3	633.3	631.2	629.1	633.3	643.9	652.3	660.8	668.2
37.5°	618.5	615.3	615.3	613.2	611.1	607.9	607.9	616.4	628.0	631.2	640.7
40°	595.2	595.2	593.1	592.0	589.9	587.8	584.6	592.0	602.6	605.8	613.2
42.5°	572.0	568.8	567.7	567.7	567.7	564.6	562.4	567.7	574.1	579.4	583.6
45°	545.5	543.4	544.5	543.4	541.3	540.2	539.2	541.3	548.7	550.8	556.1
47.5°	517.0	515.9	515.9	514.9	513.8	514.9	510.6	515.9	518.0	520.2	524.4
50°	487.4	486.3	485.3	484.2	484.2	485.3	484.2	484.2	488.4	490.6	494.8
52.5°	457.8	454.6	454.6	453.6	453.6	451.4	453.6	454.6	456.7	458.8	461.0
55°	426.1	426.1	422.9	422.9	420.8	420.8	421.8	420.8	425.0	427.1	427.1
57.5°	395.4	391.2	392.2	390.1	388.0	386.9	386.9	389.1	391.2	391.2	393.3
60°	362.6	358.4	357.3	353.1	355.2	352.1	353.1	353.1	357.3	355.2	357.3
62.5°	329.9	324.6	321.4	319.3	319.3	320.3	318.2	317.2	319.3	321.4	325.6
65°	295.0	291.8	288.6	285.5	285.5	284.4	286.5	283.3	282.3	283.3	285.5
67.5°	259.0	255.8	252.7	249.5	250.6	247.4	245.3	248.4	246.3	247.4	249.5
70°	224.1	222.0	215.7	213.6	212.5	213.6	212.5	210.4	213.6	212.5	213.6
72.5°	189.2	187.1	184.0	178.7	178.7	177.6	176.6	176.6	175.5	175.5	175.5
75°	155.4	151.2	148.0	147.0	144.8	143.8	142.7	140.6	141.7	142.7	140.6
77.5°	120.5	115.2	114.2	114.2	111.0	111.0	112.1	111.0	110.0	110.0	110.0
80°	88.8	84.6	84.6	82.5	80.3	80.3	80.3	80.3	79.3	78.2	79.3
82.5°	57.1	56.0	55.0	55.0	57.1	52.9	55.0	53.9	52.9	52.9	51.8
85°	31.7	32.8	31.7	32.8	30.7	31.7	31.7	31.7	30.7	31.7	29.6
87.5°	11.6	11.6	11.6	12.7	12.7	12.7	12.7	12.7	13.7	12.7	12.7
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: P1010726

CATALOG NUMBER: S123DIP-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: P1010726

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1091.1	1091.1	1091.1	1091.1
2.5°	1067.8	1071.0	1081.5	1094.2
5°	1046.7	1055.1	1069.9	1090.0
7.5°	1023.4	1036.1	1057.2	1082.6
10°	997.0	1014.9	1041.4	1073.1
12.5°	968.4	991.7	1025.5	1058.3
15°	950.5	973.7	1004.4	1040.3
17.5°	915.6	943.0	974.8	1025.5
20°	879.6	910.3	951.5	1002.3
22.5°	852.1	884.9	924.0	977.9
25°	819.4	853.2	895.5	951.5
27.5°	784.5	818.3	865.9	925.1
30°	758.0	790.8	836.3	899.7
32.5°	726.3	758.0	805.6	872.2
35°	690.4	726.3	771.8	839.4
37.5°	662.9	695.7	743.2	807.7
40°	633.3	661.8	708.3	771.8
42.5°	601.6	633.3	673.5	736.9
45°	572.0	595.2	636.5	696.7
47.5°	540.2	566.7	598.4	644.9
50°	506.4	528.6	563.5	595.2
52.5°	473.6	491.6	521.2	545.5
55°	438.8	456.7	478.9	493.7
57.5°	406.0	418.7	433.5	443.0
60°	365.8	378.5	388.0	397.5
62.5°	329.9	339.4	344.7	349.9
65°	292.9	298.1	301.3	305.5
67.5°	252.7	258.0	259.0	265.4
70°	215.7	216.7	218.8	222.0
72.5°	180.8	182.9	181.8	184.0
75°	144.8	147.0	144.8	147.0
77.5°	110.0	112.1	112.1	115.2
80°	79.3	80.3	81.4	81.4
82.5°	51.8	55.0	52.9	53.9
85°	29.6	30.7	30.7	31.7
87.5°	13.7	14.8	13.7	15.9
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: P1010726

CATALOG NUMBER: S123DIP-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)