

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: P1010739

Luminaire Tested: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010739
REPORT IS A COMBINATION OF REPORTS P990408 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

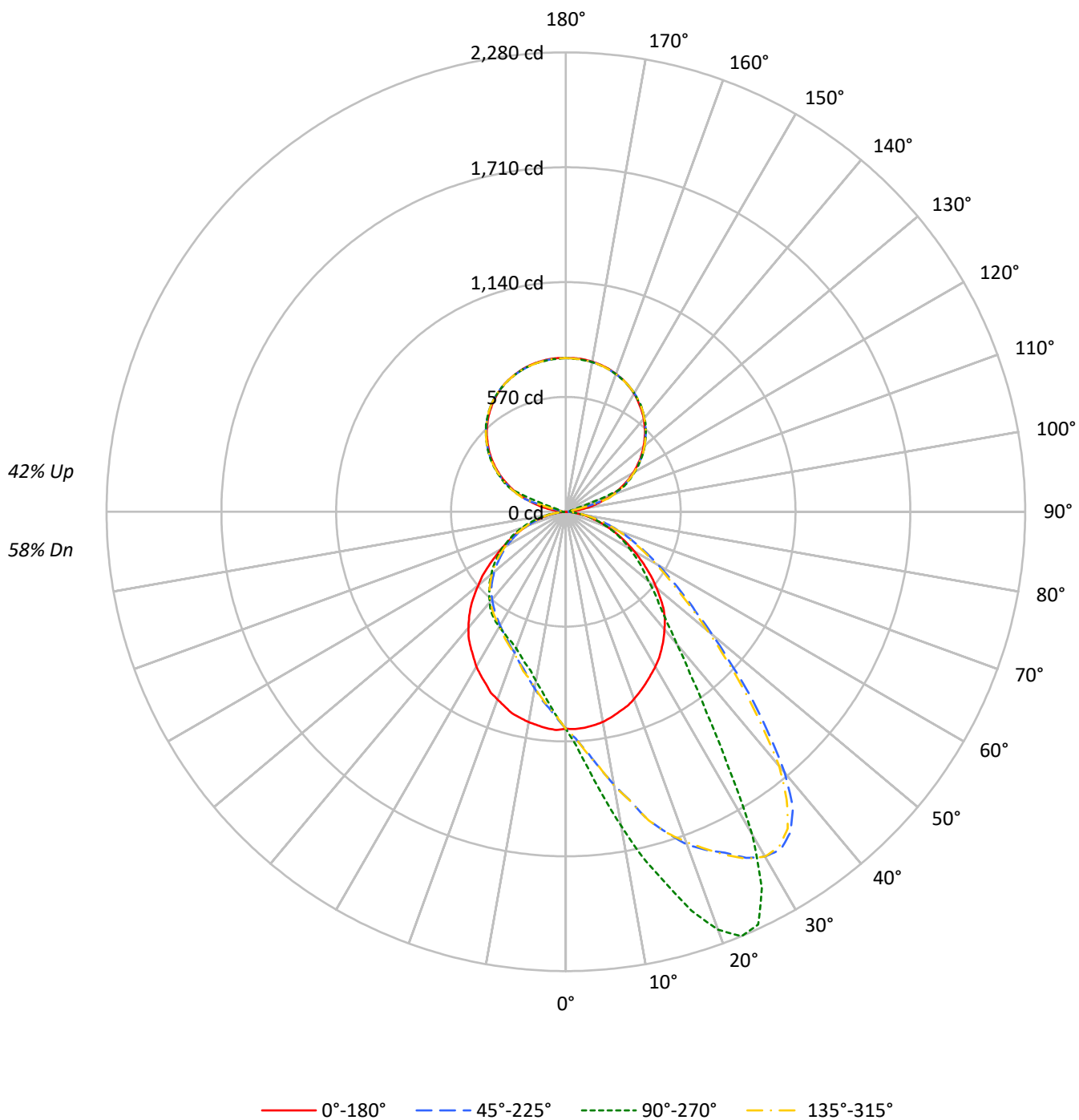
Lumens per Lamp: N/A
Luminaire Lumens: 5577.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 51.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64
1	100	96	92	88	93	89	86	83	78	75	73	67	65	63	57	56	55
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46
3	83	74	67	61	78	69	63	58	61	56	52	52	49	46	45	42	40
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	40	37	34
5	70	59	51	45	65	55	48	42	48	43	38	42	38	34	36	33	30
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	29	27
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11591	11591	11591	11591
5°	11599	13354	11632	9967
10°	11525	16161	11536	8704
15°	11365	19167	11458	7834
20°	11229	22066	11253	7209
25°	11025	22623	11050	6883
30°	10880	18690	10880	6669
35°	10699	12500	10632	6480
40°	10483	9023	10354	6191
45°	10212	7148	9918	5831
50°	9552	6070	9214	5478
55°	8830	5334	8471	5084
60°	8095	4644	7666	4671
65°	7288	3977	6935	4120
70°	6452	3302	6022	3473
75°	5516	2489	5158	2681
80°	4359	1661	4023	1762
85°	3007	762	2401	694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18693 cd/sqm

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	1.9
10°-20°	340.1	6.1
20°-30°	572.3	10.3
30°-40°	646.8	11.6
40°-50°	579.3	10.4
50°-60°	467.6	8.4
60°-70°	325.9	5.8
70°-80°	171.0	3.1
80°-90°	42.5	0.8
90°-100°	26.9	0.5
100°-110°	130.0	2.3
110°-120°	318.7	5.7
120°-130°	404.6	7.3
130°-140°	432.2	7.7
140°-150°	404.2	7.2
150°-160°	326.0	5.8
160°-170°	210.4	3.8
170°-180°	72.5	1.3
0°-30°	1018.4	18.3
0°-40°	1665.2	29.9
0°-60°	2712.1	48.6
0°-90°	3251.5	58.3
90°-120°	475.6	8.5
90°-150°	1716.6	30.8
90°-180°	2325.0	41.7
0°-180°	5577.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1077	1077	1077	1077	1077	
5°	1076	1279	1079	955	1076	102
15°	1027	1904	1035	778	1027	290
25°	939	2260	941	688	939	433
35°	828	1218	823	631	828	518
45°	688	657	668	536	688	526
55°	487	447	468	426	487	436
65°	302	290	287	300	302	300
75°	145	149	136	161	145	156
85°	31	34	25	31	31	36
90°	1	17	1	17	1	4
95°	35	22	35	22	35	41
105°	169	25	169	25	169	179
115°	317	333	317	333	317	313
125°	447	456	447	456	447	399
135°	556	562	556	562	556	428
145°	642	648	642	648	642	402
155°	707	706	707	706	707	326
165°	745	744	745	744	745	211
175°	763	760	763	760	763	73
180°	763	763	763	763	763	

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1079.9	1088.3	1092.5	1098.7	1105.0	1114.4	1117.5	1122.7	1120.6	1124.8	1126.9
5°	1075.8	1090.4	1102.9	1118.6	1133.2	1143.6	1154.0	1170.7	1183.2	1185.3	1194.7
7.5°	1068.5	1089.3	1111.2	1133.2	1161.3	1178.0	1196.8	1219.8	1238.5	1268.8	1280.3
10°	1059.1	1088.3	1119.6	1149.9	1188.5	1214.5	1237.5	1276.1	1314.7	1346.0	1375.2
12.5°	1044.5	1081.0	1121.7	1166.5	1216.6	1246.9	1278.2	1329.3	1387.8	1435.8	1467.1
15°	1026.7	1072.6	1124.8	1172.8	1228.1	1284.5	1317.8	1375.2	1458.7	1503.6	1583.9
17.5°	1012.1	1059.1	1111.2	1186.4	1261.5	1317.8	1341.8	1447.2	1504.6	1579.7	1670.5
20°	989.2	1048.6	1115.4	1190.5	1287.6	1322.0	1371.1	1477.5	1548.4	1646.5	1758.2
22.5°	965.2	1028.8	1109.2	1187.4	1295.9	1332.5	1399.2	1483.8	1596.4	1693.5	1816.6
25°	939.1	1007.9	1089.3	1182.2	1288.6	1341.8	1404.5	1508.8	1630.9	1753.0	1866.7
27.5°	913.0	988.1	1072.6	1165.5	1268.8	1331.4	1394.0	1502.5	1659.0	1791.6	1936.6
30°	888.0	963.1	1047.6	1142.6	1251.1	1311.6	1371.1	1506.7	1681.0	1830.2	1976.2
32.5°	860.8	938.0	1026.7	1106.0	1215.6	1280.3	1347.1	1506.7	1694.5	1853.1	1986.7
35°	828.5	907.8	983.9	1063.3	1171.8	1243.8	1318.9	1496.3	1707.0	1860.4	1942.9
37.5°	797.2	867.1	932.8	1010.0	1123.8	1201.0	1287.6	1483.8	1700.8	1829.1	1852.1
40°	761.7	831.6	884.8	956.8	1076.8	1166.5	1254.2	1467.1	1673.7	1755.0	1688.3
42.5°	727.3	782.6	828.5	898.4	1028.8	1116.5	1211.4	1436.8	1620.4	1637.1	1486.9
45°	687.6	727.3	768.0	847.3	976.6	1066.4	1171.8	1393.0	1534.9	1486.9	1297.0
47.5°	636.5	672.0	716.8	789.9	921.3	1014.2	1114.4	1336.6	1410.7	1310.5	1102.9
50°	587.4	617.7	659.4	730.4	862.9	953.7	1060.1	1247.9	1284.5	1126.9	950.6
52.5°	538.4	561.4	602.1	673.0	805.5	893.2	990.2	1157.2	1136.3	967.3	810.7
55°	487.3	507.1	545.7	615.6	738.7	822.2	915.1	1045.5	991.3	830.6	705.4
57.5°	437.2	458.1	497.7	556.1	672.0	753.4	827.4	929.7	848.3	720.0	609.4
60°	392.3	410.1	440.3	497.7	603.1	668.8	736.7	806.6	738.7	614.6	530.1
62.5°	345.4	362.1	390.2	442.4	533.2	591.6	645.9	703.3	628.1	537.4	462.2
65°	301.5	315.1	341.2	389.2	463.3	511.3	555.1	594.8	534.2	450.8	394.4
67.5°	261.9	273.4	295.3	338.1	400.7	435.1	470.6	504.0	452.8	386.1	338.1
70°	219.1	228.5	248.3	279.6	329.7	365.2	391.3	416.3	370.4	317.2	284.9
72.5°	181.6	190.9	203.5	235.8	270.2	292.2	320.3	333.9	307.8	264.0	231.6
75°	145.0	152.3	163.8	184.7	217.0	231.6	249.4	259.8	235.8	206.6	186.8
77.5°	113.7	116.9	125.2	139.8	161.7	178.4	192.0	198.3	181.6	162.8	146.1
80°	80.3	84.5	90.8	103.3	120.0	125.2	133.6	140.9	130.4	113.7	103.3
82.5°	53.2	58.4	61.6	66.8	77.2	83.5	85.6	91.8	82.4	76.2	72.0
85°	31.3	33.4	34.4	37.6	42.8	45.9	49.0	50.1	48.0	47.0	42.8
87.5°	15.7	15.7	15.7	17.7	18.8	20.9	21.9	21.9	21.9	20.9	19.8
90°	0.6	1.8	3.1	4.3	5.6	6.2	7.0	8.7	10.3	12.0	13.6
92.5°	13.0	12.2	11.5	10.7	10.0	9.6	10.2	11.3	12.4	13.6	14.7
95°	34.6	29.4	24.2	19.1	13.9	11.3	12.0	13.4	14.8	16.2	17.6
97.5°	62.9	59.4	55.8	52.3	48.8	47.0	43.8	37.4	30.9	24.5	18.1
100°	95.8	98.3	100.8	103.3	105.8	107.1	97.3	77.6	58.0	38.3	18.7
102.5°	133.2	134.8	136.4	138.1	139.7	140.5	129.5	107.6	85.7	63.8	41.9
105°	168.9	170.3	171.7	173.0	174.4	175.1	169.4	158.1	146.8	135.4	124.1
107.5°	206.9	208.0	209.2	210.3	211.4	212.0	212.9	214.8	216.7	218.6	220.5
110°	244.8	245.8	246.8	247.9	248.9	249.4	250.1	251.5	252.8	254.2	255.6

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	281.1	282.0	282.9	283.8	284.7	285.1	285.8	287.2	288.5	289.9	291.3
115°	316.8	317.6	318.3	319.1	319.8	320.2	320.8	321.9	323.0	324.2	325.3
117.5°	351.9	352.8	353.7	354.6	355.5	355.9	356.2	356.8	357.5	358.1	358.7
120°	384.2	385.3	386.5	387.6	388.7	389.3	389.5	389.9	390.2	390.6	391.0
122.5°	417.1	418.0	418.9	419.8	420.7	421.1	421.3	421.8	422.3	422.8	423.3
125°	446.6	447.6	448.6	449.6	450.6	451.1	451.4	451.9	452.4	452.9	453.4
127.5°	476.0	477.0	478.0	479.1	480.1	480.6	480.9	481.5	482.2	482.8	483.4
130°	503.2	504.2	505.2	506.3	507.3	507.8	508.0	508.5	509.0	509.5	510.0
132.5°	529.3	530.3	531.3	532.4	533.4	533.9	534.1	534.5	534.8	535.2	535.6
135°	556.0	556.8	557.5	558.3	559.0	559.4	559.6	560.1	560.6	561.1	561.6
137.5°	578.6	579.6	580.6	581.7	582.7	583.2	583.3	583.6	583.8	584.1	584.3
140°	601.3	602.1	602.8	603.6	604.3	604.7	604.9	605.3	605.6	606.0	606.4
142.5°	622.3	623.1	623.8	624.6	625.3	625.7	625.9	626.3	626.6	627.0	627.4
145°	641.5	642.4	643.3	644.2	645.1	645.5	645.6	645.9	646.1	646.4	646.6
147.5°	660.2	660.8	661.5	662.1	662.8	663.1	663.2	663.5	663.7	664.0	664.2
150°	677.2	677.6	678.0	678.3	678.7	678.9	679.0	679.3	679.6	679.8	680.1
152.5°	692.5	692.6	692.8	692.9	693.0	693.1	693.2	693.3	693.4	693.6	693.7
155°	706.7	706.5	706.2	706.0	705.7	705.6	705.7	705.8	705.9	706.0	706.1
157.5°	718.0	718.0	718.0	718.0	718.0	718.0	717.9	717.8	717.7	717.6	717.5
160°	728.2	728.1	728.0	727.9	727.8	727.7	727.6	727.5	727.4	727.2	727.1
162.5°	737.9	737.5	737.1	736.8	736.4	736.2	736.1	736.0	735.9	735.7	735.6
165°	745.2	744.8	744.4	744.1	743.7	743.5	743.4	743.3	743.2	743.1	743.0
167.5°	751.5	751.0	750.5	750.0	749.5	749.2	749.2	749.2	749.2	749.2	749.2
170°	756.6	756.1	755.6	755.1	754.6	754.3	754.3	754.3	754.3	754.3	754.3
172.5°	760.0	759.4	758.7	758.1	757.4	757.1	757.2	757.3	757.4	757.6	757.7
175°	762.8	762.2	761.6	760.9	760.3	760.0	760.1	760.2	760.3	760.4	760.5
177.5°	763.9	763.3	762.7	762.0	761.4	761.1	761.2	761.3	761.4	761.6	761.7
180°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1134.2	1136.3	1143.6	1148.8	1159.2	1158.2	1158.2	1157.2	1154.0	1159.2	1162.4
5°	1213.5	1231.2	1233.3	1256.3	1257.3	1266.7	1273.0	1267.8	1280.3	1279.2	1269.8
7.5°	1311.6	1335.6	1347.1	1369.0	1394.0	1387.8	1411.8	1415.9	1413.8	1424.3	1431.6
10°	1419.1	1460.8	1490.0	1530.7	1541.1	1547.4	1563.1	1576.6	1603.7	1582.9	1596.4
12.5°	1542.2	1572.4	1611.0	1675.7	1708.1	1729.0	1736.3	1745.7	1764.4	1753.0	1754.0
15°	1645.5	1686.2	1751.9	1832.3	1841.6	1867.7	1861.5	1917.8	1944.9	1904.3	1927.2
17.5°	1753.0	1807.2	1885.5	1955.4	1995.0	2012.8	2029.5	2083.7	2081.6	2075.4	2080.6
20°	1821.8	1910.5	2007.6	2100.4	2111.9	2125.5	2170.3	2193.3	2189.1	2206.8	2218.3
22.5°	1918.9	2012.8	2116.1	2177.6	2203.7	2219.4	2254.8	2269.4	2275.7	2279.9	2272.6
25°	2000.2	2100.4	2176.6	2230.8	2246.5	2254.8	2266.3	2270.5	2267.4	2260.1	2266.3
27.5°	2055.5	2135.9	2188.1	2213.1	2204.8	2191.2	2169.3	2154.7	2122.3	2106.7	2125.5
30°	2078.5	2114.0	2129.6	2087.9	2046.2	2012.8	1971.0	1893.8	1833.3	1851.0	1827.0
32.5°	2042.0	2019.0	1943.9	1836.4	1804.1	1749.8	1631.9	1541.1	1544.3	1496.3	1516.1
35°	1934.5	1830.2	1688.3	1525.5	1482.7	1453.5	1324.1	1304.3	1262.5	1217.7	1230.2
37.5°	1744.6	1592.3	1420.1	1300.1	1236.5	1172.8	1099.8	1055.9	1030.9	1012.1	1026.7
40°	1513.0	1327.2	1185.3	1077.9	1023.6	982.9	932.8	889.0	860.8	857.7	862.9
42.5°	1285.5	1129.0	998.6	896.3	878.6	830.6	798.2	763.8	755.4	741.9	749.2
45°	1088.3	961.0	853.5	770.0	749.2	736.7	697.0	675.1	665.7	657.4	669.9
47.5°	945.3	811.8	733.5	683.4	662.6	641.7	619.8	605.2	597.9	598.9	597.9
50°	807.6	709.5	640.7	602.1	589.5	574.9	557.2	547.8	544.7	535.3	542.6
52.5°	694.9	624.0	576.0	539.5	530.1	519.6	505.0	499.8	492.5	490.4	490.4
55°	604.1	548.8	510.2	486.2	474.8	466.4	458.1	451.8	446.6	446.6	446.6
57.5°	533.2	485.2	457.0	436.2	432.0	423.6	414.2	414.2	406.9	405.9	409.0
60°	472.7	429.9	408.0	390.2	384.0	381.9	372.5	372.5	370.4	365.2	369.4
62.5°	411.1	379.8	361.0	347.5	341.2	341.2	333.9	328.7	328.7	329.7	327.6
65°	354.8	331.8	315.1	304.7	301.5	297.4	296.3	292.2	289.0	290.1	289.0
67.5°	304.7	286.9	275.5	267.1	261.9	259.8	256.7	256.7	254.6	255.6	250.4
70°	259.8	242.1	232.7	224.3	222.2	222.2	218.1	219.1	217.0	220.2	218.1
72.5°	213.9	200.3	193.0	189.9	187.8	186.8	184.7	182.6	181.6	183.6	182.6
75°	173.2	161.7	156.5	154.4	152.3	152.3	151.3	150.3	149.2	149.2	149.2
77.5°	134.6	127.3	121.0	123.1	120.0	121.0	117.9	117.9	119.0	117.9	117.9
80°	99.1	93.9	93.9	91.8	87.6	89.7	89.7	86.6	85.6	87.6	84.5
82.5°	65.7	64.7	62.6	61.6	59.5	60.5	59.5	58.4	57.4	59.5	57.4
85°	38.6	38.6	37.6	35.5	37.6	36.5	35.5	35.5	34.4	34.4	34.4
87.5°	19.8	17.7	17.7	16.7	17.7	15.7	16.7	15.7	14.6	15.7	14.6
90°	14.1	14.6	15.1	15.6	15.9	16.0	16.3	16.5	16.8	17.0	16.8
92.5°	15.6	16.5	17.4	18.3	18.7	18.8	18.9	19.0	19.2	19.3	19.2
95°	18.5	19.3	20.2	21.1	21.5	21.5	21.5	21.5	21.5	21.5	21.5
97.5°	19.1	20.1	21.2	22.2	22.7	22.8	22.9	23.0	23.1	23.2	23.1
100°	19.7	20.7	21.7	22.7	23.2	23.3	23.4	23.5	23.7	23.8	23.7
102.5°	37.7	33.6	29.4	25.3	23.2	23.3	23.6	23.9	24.1	24.4	24.1
105°	101.8	79.5	57.2	34.9	23.8	23.9	24.2	24.4	24.7	24.9	24.7
107.5°	201.1	181.7	162.3	142.9	133.2	124.9	108.4	91.9	75.4	58.9	75.4
110°	251.4	247.3	243.1	239.0	236.9	227.9	209.9	191.8	173.8	155.8	173.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	292.4	293.6	294.7	295.8	296.4	296.3	296.0	295.8	295.5	295.3	295.5
115°	326.6	327.8	329.1	330.4	331.0	331.2	331.7	332.2	332.7	333.2	332.7
117.5°	359.7	360.7	361.8	362.8	363.3	363.4	363.5	363.6	363.7	363.8	363.7
120°	392.0	393.0	394.1	395.1	395.6	395.6	395.6	395.6	395.6	395.6	395.6
122.5°	423.9	424.6	425.2	425.9	426.2	426.3	426.4	426.5	426.6	426.7	426.6
125°	453.6	453.9	454.1	454.4	454.5	454.6	454.9	455.1	455.4	455.6	455.4
127.5°	483.8	484.2	484.5	484.9	485.1	485.0	484.7	484.5	484.2	484.0	484.2
130°	510.5	511.0	511.5	512.0	512.3	512.2	511.9	511.7	511.4	511.2	511.4
132.5°	536.1	536.6	537.1	537.6	537.8	537.6	537.2	536.9	536.5	536.1	536.5
135°	562.0	562.4	562.7	563.1	563.3	563.1	562.7	562.4	562.0	561.6	562.0
137.5°	584.9	585.5	586.2	586.8	587.1	587.0	586.7	586.5	586.2	586.0	586.2
140°	606.9	607.4	607.9	608.4	608.7	608.6	608.3	608.0	607.8	607.5	607.8
142.5°	627.8	628.2	628.5	628.9	629.1	628.9	628.5	628.2	627.8	627.4	627.8
145°	646.9	647.1	647.4	647.7	647.8	647.8	647.8	647.8	647.8	647.8	647.8
147.5°	664.4	664.7	664.9	665.2	665.3	665.0	664.4	663.7	663.1	662.5	663.1
150°	680.3	680.6	680.8	681.1	681.2	681.0	680.6	680.3	679.9	679.5	679.9
152.5°	694.2	694.7	695.2	695.7	695.9	695.6	695.0	694.3	693.7	693.1	693.7
155°	706.7	707.4	708.0	708.7	709.0	708.6	707.9	707.1	706.4	705.6	706.4
157.5°	718.3	719.0	719.8	720.5	720.9	720.4	719.4	718.3	717.3	716.3	717.3
160°	727.9	728.6	729.4	730.1	730.5	730.1	729.2	728.3	727.4	726.5	727.4
162.5°	736.5	737.4	738.3	739.2	739.6	739.2	738.5	737.7	737.0	736.2	737.0
165°	744.0	745.0	746.0	747.0	747.5	747.1	746.2	745.3	744.4	743.5	744.4
167.5°	750.2	751.2	752.2	753.2	753.7	753.2	752.2	751.2	750.2	749.2	750.2
170°	755.3	756.3	757.3	758.3	758.8	758.3	757.3	756.3	755.3	754.3	755.3
172.5°	758.7	759.7	760.7	761.7	762.2	761.6	760.5	759.4	758.2	757.1	758.2
175°	761.4	762.3	763.2	764.1	764.5	764.0	763.0	762.0	761.0	760.0	761.0
177.5°	762.7	763.7	764.7	765.7	766.2	765.6	764.3	763.0	761.8	760.5	761.8
180°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1154.0	1157.2	1148.8	1146.7	1146.7	1150.9	1147.8	1119.6	1124.8	1118.6	1116.5
5°	1281.3	1275.1	1266.7	1262.5	1257.3	1242.7	1241.7	1209.3	1203.1	1182.2	1172.8
7.5°	1421.1	1415.9	1390.9	1387.8	1385.7	1372.1	1337.7	1303.2	1278.2	1254.2	1231.2
10°	1580.8	1565.1	1553.7	1530.7	1519.2	1500.4	1455.6	1423.2	1380.5	1343.9	1295.9
12.5°	1772.8	1755.0	1716.4	1699.7	1685.1	1633.0	1588.1	1551.6	1468.1	1443.1	1383.6
15°	1913.6	1876.1	1871.9	1835.4	1833.3	1775.9	1690.3	1650.7	1586.0	1494.2	1432.6
17.5°	2066.0	2032.6	2006.5	1962.7	1956.4	1902.2	1839.6	1742.5	1671.6	1583.9	1505.7
20°	2177.6	2159.9	2115.0	2097.3	2060.8	2014.9	1950.2	1830.2	1743.6	1655.9	1559.9
22.5°	2266.3	2248.6	2213.1	2189.1	2168.2	2108.8	2031.5	1929.3	1810.3	1695.6	1596.4
25°	2265.3	2260.1	2245.5	2234.0	2218.3	2174.5	2109.8	2011.7	1879.2	1753.0	1615.2
27.5°	2136.9	2151.5	2176.6	2189.1	2186.0	2179.7	2143.2	2060.8	1941.8	1791.6	1637.1
30°	1869.8	1923.0	1970.0	2032.6	2051.4	2097.3	2118.2	2071.2	1976.2	1836.4	1665.3
32.5°	1550.5	1627.7	1730.0	1764.4	1823.9	1912.6	2011.7	2029.5	1970.0	1862.5	1683.0
35°	1271.9	1335.6	1414.9	1469.1	1522.4	1666.4	1791.6	1900.1	1919.9	1848.9	1678.9
37.5°	1052.8	1097.7	1167.6	1213.5	1262.5	1385.7	1561.0	1701.8	1801.0	1803.0	1667.4
40°	894.2	914.0	974.6	1007.9	1054.9	1161.3	1317.8	1501.5	1646.5	1713.3	1637.1
42.5°	757.5	783.6	833.7	858.7	889.0	981.9	1085.2	1259.4	1438.9	1581.8	1580.8
45°	676.1	694.9	717.9	738.7	773.2	828.5	946.4	1076.8	1249.0	1410.7	1474.4
47.5°	604.1	621.9	644.8	651.1	674.1	726.2	798.2	912.0	1072.6	1233.3	1353.3
50°	543.6	558.2	573.9	585.4	595.8	638.6	692.8	788.8	917.2	1072.6	1221.9
52.5°	496.7	507.1	520.7	526.9	536.3	567.6	609.4	680.3	785.7	927.6	1072.6
55°	452.8	460.2	468.5	478.9	483.1	506.1	538.4	598.9	677.2	804.5	942.2
57.5°	412.2	415.3	420.5	426.8	432.0	451.8	480.0	520.7	589.5	687.6	818.0
60°	366.2	374.6	377.7	384.0	387.1	402.8	424.7	459.1	512.3	596.8	694.9
62.5°	327.6	332.9	338.1	341.2	348.5	353.7	371.5	402.8	446.6	509.2	597.9
65°	293.2	295.3	298.4	301.5	303.6	309.9	326.6	347.5	380.9	436.2	505.0
67.5°	253.6	255.6	259.8	260.9	262.9	271.3	280.7	298.4	326.6	368.3	424.7
70°	214.9	218.1	220.2	222.2	225.4	228.5	238.9	253.6	275.5	304.7	348.5
72.5°	181.6	184.7	184.7	186.8	185.7	189.9	200.3	210.8	225.4	249.4	288.0
75°	148.2	148.2	150.3	151.3	152.3	156.5	160.7	169.0	180.5	199.3	223.3
77.5°	116.9	115.8	117.9	117.9	117.9	121.0	125.2	129.4	136.7	150.3	169.0
80°	85.6	85.6	87.6	88.7	86.6	87.6	89.7	93.9	99.1	108.5	119.0
82.5°	56.3	60.5	59.5	60.5	59.5	61.6	62.6	63.6	65.7	69.9	77.2
85°	34.4	34.4	34.4	35.5	34.4	35.5	35.5	35.5	36.5	38.6	41.7
87.5°	14.6	14.6	14.6	15.7	14.6	14.6	15.7	14.6	15.7	15.7	16.7
90°	16.5	16.3	16.0	15.9	15.6	15.1	14.6	14.1	13.6	12.0	10.3
92.5°	19.0	18.9	18.8	18.7	18.3	17.4	16.5	15.6	14.7	13.6	12.4
95°	21.5	21.5	21.5	21.5	21.1	20.2	19.3	18.5	17.6	16.2	14.8
97.5°	23.0	22.9	22.8	22.7	22.2	21.2	20.1	19.1	18.1	24.5	30.9
100°	23.5	23.4	23.3	23.2	22.7	21.7	20.7	19.7	18.7	38.3	58.0
102.5°	23.9	23.6	23.3	23.2	25.3	29.4	33.6	37.7	41.9	63.8	85.7
105°	24.4	24.2	23.9	23.8	34.9	57.2	79.5	101.8	124.1	135.4	146.8
107.5°	91.9	108.4	124.9	133.2	142.9	162.3	181.7	201.1	220.5	218.6	216.7
110°	191.8	209.9	227.9	236.9	239.0	243.1	247.3	251.4	255.6	254.2	252.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	295.8	296.0	296.3	296.4	295.8	294.7	293.6	292.4	291.3	289.9	288.5
115°	332.2	331.7	331.2	331.0	330.4	329.1	327.8	326.6	325.3	324.2	323.0
117.5°	363.6	363.5	363.4	363.3	362.8	361.8	360.7	359.7	358.7	358.1	357.5
120°	395.6	395.6	395.6	395.6	395.1	394.1	393.0	392.0	391.0	390.6	390.2
122.5°	426.5	426.4	426.3	426.2	425.9	425.2	424.6	423.9	423.3	422.8	422.3
125°	455.1	454.9	454.6	454.5	454.4	454.1	453.9	453.6	453.4	452.9	452.4
127.5°	484.5	484.7	485.0	485.1	484.9	484.5	484.2	483.8	483.4	482.8	482.2
130°	511.7	511.9	512.2	512.3	512.0	511.5	511.0	510.5	510.0	509.5	509.0
132.5°	536.9	537.2	537.6	537.8	537.6	537.1	536.6	536.1	535.6	535.2	534.8
135°	562.4	562.7	563.1	563.3	563.1	562.7	562.4	562.0	561.6	561.1	560.6
137.5°	586.5	586.7	587.0	587.1	586.8	586.2	585.5	584.9	584.3	584.1	583.8
140°	608.0	608.3	608.6	608.7	608.4	607.9	607.4	606.9	606.4	606.0	605.6
142.5°	628.2	628.5	628.9	629.1	628.9	628.5	628.2	627.8	627.4	627.0	626.6
145°	647.8	647.8	647.8	647.8	647.7	647.4	647.1	646.9	646.6	646.4	646.1
147.5°	663.7	664.4	665.0	665.3	665.2	664.9	664.7	664.4	664.2	664.0	663.7
150°	680.3	680.6	681.0	681.2	681.1	680.8	680.6	680.3	680.1	679.8	679.6
152.5°	694.3	695.0	695.6	695.9	695.7	695.2	694.7	694.2	693.7	693.6	693.4
155°	707.1	707.9	708.6	709.0	708.7	708.0	707.4	706.7	706.1	706.0	705.9
157.5°	718.3	719.4	720.4	720.9	720.5	719.8	719.0	718.3	717.5	717.6	717.7
160°	728.3	729.2	730.1	730.5	730.1	729.4	728.6	727.9	727.1	727.2	727.4
162.5°	737.7	738.5	739.2	739.6	739.2	738.3	737.4	736.5	735.6	735.7	735.9
165°	745.3	746.2	747.1	747.5	747.0	746.0	745.0	744.0	743.0	743.1	743.2
167.5°	751.2	752.2	753.2	753.7	753.2	752.2	751.2	750.2	749.2	749.2	749.2
170°	756.3	757.3	758.3	758.8	758.3	757.3	756.3	755.3	754.3	754.3	754.3
172.5°	759.4	760.5	761.6	762.2	761.7	760.7	759.7	758.7	757.7	757.6	757.4
175°	762.0	763.0	764.0	764.5	764.1	763.2	762.3	761.4	760.5	760.4	760.3
177.5°	763.0	764.3	765.6	766.2	765.7	764.7	763.7	762.7	761.7	761.6	761.4
180°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1106.0	1102.9	1102.9	1100.8	1094.6	1083.1	1082.0	1084.1	1077.9	1071.6	1062.2
5°	1160.3	1140.5	1134.2	1127.9	1115.4	1094.6	1086.2	1078.9	1067.4	1053.9	1039.3
7.5°	1206.2	1178.0	1169.7	1158.2	1133.2	1103.9	1085.2	1069.5	1053.9	1035.1	1017.3
10°	1263.6	1222.9	1203.1	1186.4	1151.9	1111.2	1083.1	1060.1	1035.1	1012.1	989.2
12.5°	1328.3	1262.5	1256.3	1215.6	1175.9	1115.4	1081.0	1047.6	1014.2	986.0	962.0
15°	1382.5	1310.5	1284.5	1257.3	1181.2	1106.0	1072.6	1035.1	996.5	966.2	930.7
17.5°	1417.0	1357.5	1302.2	1265.7	1186.4	1119.6	1054.9	1012.1	971.4	929.7	900.5
20°	1458.7	1372.1	1324.1	1275.1	1196.8	1109.2	1044.5	991.3	941.2	903.6	868.1
22.5°	1500.4	1383.6	1343.9	1290.7	1198.9	1098.7	1025.7	972.5	915.1	877.5	838.9
25°	1496.3	1400.3	1334.5	1289.7	1178.0	1089.3	1003.8	941.2	888.0	840.0	801.4
27.5°	1499.4	1381.5	1314.7	1262.5	1163.4	1075.8	980.8	915.1	859.8	809.7	769.0
30°	1500.4	1353.3	1294.9	1232.3	1136.3	1043.4	954.7	888.0	829.5	775.3	738.7
32.5°	1497.3	1330.4	1257.3	1201.0	1093.5	1012.1	924.5	853.5	794.0	744.0	709.5
35°	1490.0	1303.2	1218.7	1147.8	1049.7	967.3	896.3	823.3	759.6	713.7	674.1
37.5°	1470.2	1274.0	1178.0	1108.1	998.6	915.1	852.5	792.0	730.4	676.1	642.7
40°	1455.6	1234.4	1137.3	1061.2	943.3	861.9	809.7	752.3	691.8	642.7	610.4
42.5°	1422.2	1196.8	1095.6	1004.8	889.0	805.5	756.5	710.6	658.4	610.4	581.2
45°	1367.9	1156.1	1044.5	952.6	829.5	750.2	705.4	667.8	621.9	576.0	546.8
47.5°	1291.8	1097.7	990.2	898.4	771.1	690.7	645.9	617.7	581.2	542.6	517.5
50°	1209.3	1034.0	934.9	844.1	714.7	636.5	592.7	566.6	542.6	507.1	483.1
52.5°	1101.9	966.2	871.3	784.7	654.2	579.1	540.5	521.7	496.7	471.6	450.8
55°	997.5	878.6	800.3	717.9	594.8	524.8	487.3	467.5	452.8	432.0	415.3
57.5°	876.5	797.2	725.2	650.1	539.5	475.8	440.3	416.3	406.9	397.5	381.9
60°	764.8	704.3	645.9	583.3	482.1	424.7	390.2	371.5	362.1	355.8	345.4
62.5°	662.6	615.6	565.5	515.5	423.6	371.5	345.4	326.6	318.2	317.2	307.8
65°	564.5	531.1	490.4	441.4	369.4	323.5	298.4	286.9	277.6	277.6	270.2
67.5°	466.4	443.5	411.1	376.7	320.3	277.6	254.6	244.2	238.9	238.9	233.7
70°	388.2	372.5	343.3	313.0	264.0	231.6	213.9	204.5	201.4	202.4	198.3
72.5°	315.1	298.4	274.4	252.5	216.0	192.0	179.5	169.0	163.8	164.9	163.8
75°	244.2	235.8	214.9	198.3	169.0	152.3	140.9	135.6	131.5	132.5	130.4
77.5°	183.6	171.1	159.6	148.2	130.4	116.9	107.5	102.3	99.1	99.1	99.1
80°	125.2	123.1	113.7	107.5	92.9	82.4	75.1	74.1	71.0	71.0	71.0
82.5°	81.4	76.2	71.0	66.8	58.4	52.2	49.0	47.0	45.9	44.9	47.0
85°	44.9	41.7	39.7	35.5	32.3	29.2	26.1	25.0	24.0	25.0	24.0
87.5°	17.7	14.6	14.6	13.6	12.5	11.5	11.5	9.4	9.4	8.3	8.3
90°	8.7	7.0	6.2	5.6	4.3	3.1	1.8	0.6	1.8	3.1	4.3
92.5°	11.3	10.2	9.6	10.0	10.7	11.5	12.2	13.0	12.2	11.5	10.7
95°	13.4	12.0	11.3	13.9	19.1	24.2	29.4	34.6	29.4	24.2	19.1
97.5°	37.4	43.8	47.0	48.8	52.3	55.8	59.4	62.9	59.4	55.8	52.3
100°	77.6	97.3	107.1	105.8	103.3	100.8	98.3	95.8	98.3	100.8	103.3
102.5°	107.6	129.5	140.5	139.7	138.1	136.4	134.8	133.2	134.8	136.4	138.1
105°	158.1	169.4	175.1	174.4	173.0	171.7	170.3	168.9	170.3	171.7	173.0
107.5°	214.8	212.9	212.0	211.4	210.3	209.2	208.0	206.9	208.0	209.2	210.3
110°	251.5	250.1	249.4	248.9	247.9	246.8	245.8	244.8	245.8	246.8	247.9

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	287.2	285.8	285.1	284.7	283.8	282.9	282.0	281.1	282.0	282.9	283.8
115°	321.9	320.8	320.2	319.8	319.1	318.3	317.6	316.8	317.6	318.3	319.1
117.5°	356.8	356.2	355.9	355.5	354.6	353.7	352.8	351.9	352.8	353.7	354.6
120°	389.9	389.5	389.3	388.7	387.6	386.5	385.3	384.2	385.3	386.5	387.6
122.5°	421.8	421.3	421.1	420.7	419.8	418.9	418.0	417.1	418.0	418.9	419.8
125°	451.9	451.4	451.1	450.6	449.6	448.6	447.6	446.6	447.6	448.6	449.6
127.5°	481.5	480.9	480.6	480.1	479.1	478.0	477.0	476.0	477.0	478.0	479.1
130°	508.5	508.0	507.8	507.3	506.3	505.2	504.2	503.2	504.2	505.2	506.3
132.5°	534.5	534.1	533.9	533.4	532.4	531.3	530.3	529.3	530.3	531.3	532.4
135°	560.1	559.6	559.4	559.0	558.3	557.5	556.8	556.0	556.8	557.5	558.3
137.5°	583.6	583.3	583.2	582.7	581.7	580.6	579.6	578.6	579.6	580.6	581.7
140°	605.3	604.9	604.7	604.3	603.6	602.8	602.1	601.3	602.1	602.8	603.6
142.5°	626.3	625.9	625.7	625.3	624.6	623.8	623.1	622.3	623.1	623.8	624.6
145°	645.9	645.6	645.5	645.1	644.2	643.3	642.4	641.5	642.4	643.3	644.2
147.5°	663.5	663.2	663.1	662.8	662.1	661.5	660.8	660.2	660.8	661.5	662.1
150°	679.3	679.0	678.9	678.7	678.3	678.0	677.6	677.2	677.6	678.0	678.3
152.5°	693.3	693.2	693.1	693.0	692.9	692.8	692.6	692.5	692.6	692.8	692.9
155°	705.8	705.7	705.6	705.7	706.0	706.2	706.5	706.7	706.5	706.2	706.0
157.5°	717.8	717.9	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
160°	727.5	727.6	727.7	727.8	727.9	728.0	728.1	728.2	728.1	728.0	727.9
162.5°	736.0	736.1	736.2	736.4	736.8	737.1	737.5	737.9	737.5	737.1	736.8
165°	743.3	743.4	743.5	743.7	744.1	744.4	744.8	745.2	744.8	744.4	744.1
167.5°	749.2	749.2	749.2	749.5	750.0	750.5	751.0	751.5	751.0	750.5	750.0
170°	754.3	754.3	754.3	754.6	755.1	755.6	756.1	756.6	756.1	755.6	755.1
172.5°	757.3	757.2	757.1	757.4	758.1	758.7	759.4	760.0	759.4	758.7	758.1
175°	760.2	760.1	760.0	760.3	760.9	761.6	762.2	762.8	762.2	761.6	760.9
177.5°	761.3	761.2	761.1	761.4	762.0	762.7	763.3	763.9	763.3	762.7	762.0
180°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1060.1	1059.1	1061.2	1054.9	1044.5	1039.3	1024.6	1021.5	1020.5	1021.5	1022.6
5°	1030.9	1029.9	1026.7	1016.3	1003.8	994.4	976.6	975.6	969.3	963.1	966.2
7.5°	1002.7	998.6	992.3	978.7	962.0	951.6	937.0	926.6	918.2	913.0	908.8
10°	974.6	968.3	962.0	944.3	923.4	907.8	890.0	881.7	872.3	868.1	864.0
12.5°	938.0	931.8	920.3	899.4	886.9	867.1	849.3	841.0	835.8	827.4	822.2
15°	908.8	896.3	890.0	868.1	842.0	840.0	807.6	805.5	795.1	795.1	786.7
17.5°	875.4	866.0	854.6	832.7	813.9	795.1	778.4	772.1	762.7	760.7	756.5
20°	843.1	830.6	826.4	804.5	784.7	761.7	744.0	737.7	733.5	729.4	732.5
22.5°	809.7	799.3	788.8	769.0	754.4	731.4	721.0	714.7	708.5	706.4	707.4
25°	777.4	768.0	757.5	737.7	722.1	703.3	693.9	690.7	687.6	687.6	686.6
27.5°	746.0	736.7	727.3	709.5	693.9	680.3	673.0	669.9	666.7	668.8	670.9
30°	713.7	705.4	697.0	681.4	668.8	656.3	652.1	650.1	649.0	654.2	654.2
32.5°	684.5	677.2	670.9	656.3	643.8	633.4	630.2	631.3	632.3	635.4	637.5
35°	654.2	649.0	642.7	630.2	619.8	610.4	611.4	611.4	613.5	618.8	622.9
37.5°	627.1	619.8	614.6	604.1	595.8	587.4	590.6	593.7	595.8	602.1	604.1
40°	594.8	591.6	587.4	577.0	569.7	568.7	569.7	571.8	576.0	579.1	582.2
42.5°	568.7	564.5	559.3	550.9	544.7	545.7	546.8	548.8	550.9	556.1	559.3
45°	539.5	536.3	532.1	524.8	519.6	520.7	521.7	521.7	523.8	530.1	532.1
47.5°	507.1	508.1	502.9	495.6	492.5	492.5	492.5	494.6	499.8	501.9	502.9
50°	475.8	473.7	472.7	465.4	463.3	462.2	463.3	464.3	471.6	470.6	473.7
52.5°	442.4	442.4	441.4	437.2	434.1	434.1	432.0	437.2	439.3	441.4	444.5
55°	410.1	406.9	405.9	403.8	399.6	398.6	400.7	406.9	409.0	411.1	414.2
57.5°	374.6	374.6	372.5	369.4	369.4	369.4	369.4	373.5	376.7	378.8	385.0
60°	342.2	338.1	334.9	334.9	334.9	333.9	340.2	340.2	346.4	347.5	349.5
62.5°	303.6	301.5	299.5	300.5	299.5	301.5	303.6	307.8	308.9	312.0	315.1
65°	267.1	267.1	265.0	271.3	267.1	267.1	272.3	272.3	274.4	277.6	281.7
67.5°	231.6	232.7	230.6	230.6	232.7	233.7	234.8	238.9	240.0	244.2	249.4
70°	195.1	197.2	198.3	196.2	198.3	200.3	202.4	203.5	207.6	209.7	212.9
72.5°	162.8	164.9	161.7	162.8	163.8	165.9	166.9	169.0	171.1	177.4	179.5
75°	130.4	129.4	128.3	132.5	130.4	134.6	135.6	135.6	137.7	142.9	145.0
77.5°	100.2	100.2	101.2	99.1	102.3	101.2	102.3	105.4	108.5	108.5	116.9
80°	69.9	72.0	72.0	72.0	73.0	74.1	72.0	77.2	78.3	78.3	81.4
82.5°	44.9	45.9	44.9	47.0	47.0	49.0	48.0	49.0	51.1	53.2	54.3
85°	24.0	24.0	26.1	26.1	25.0	26.1	25.0	26.1	28.2	28.2	29.2
87.5°	8.3	8.3	8.3	8.3	9.4	8.3	9.4	9.4	8.3	8.3	11.5
90°	5.6	6.2	7.0	8.7	10.3	12.0	13.6	14.1	14.6	15.1	15.6
92.5°	10.0	9.6	10.2	11.3	12.4	13.6	14.7	15.6	16.5	17.4	18.3
95°	13.9	11.3	12.0	13.4	14.8	16.2	17.6	18.5	19.3	20.2	21.1
97.5°	48.8	47.0	43.8	37.4	30.9	24.5	18.1	19.1	20.1	21.2	22.2
100°	105.8	107.1	97.3	77.6	58.0	38.3	18.7	19.7	20.7	21.7	22.7
102.5°	139.7	140.5	129.5	107.6	85.7	63.8	41.9	37.7	33.6	29.4	25.3
105°	174.4	175.1	169.4	158.1	146.8	135.4	124.1	101.8	79.5	57.2	34.9
107.5°	211.4	212.0	212.9	214.8	216.7	218.6	220.5	201.1	181.7	162.3	142.9
110°	248.9	249.4	250.1	251.5	252.8	254.2	255.6	251.4	247.3	243.1	239.0

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	284.7	285.1	285.8	287.2	288.5	289.9	291.3	292.4	293.6	294.7	295.8
115°	319.8	320.2	320.8	321.9	323.0	324.2	325.3	326.6	327.8	329.1	330.4
117.5°	355.5	355.9	356.2	356.8	357.5	358.1	358.7	359.7	360.7	361.8	362.8
120°	388.7	389.3	389.5	389.9	390.2	390.6	391.0	392.0	393.0	394.1	395.1
122.5°	420.7	421.1	421.3	421.8	422.3	422.8	423.3	423.9	424.6	425.2	425.9
125°	450.6	451.1	451.4	451.9	452.4	452.9	453.4	453.6	453.9	454.1	454.4
127.5°	480.1	480.6	480.9	481.5	482.2	482.8	483.4	483.8	484.2	484.5	484.9
130°	507.3	507.8	508.0	508.5	509.0	509.5	510.0	510.5	511.0	511.5	512.0
132.5°	533.4	533.9	534.1	534.5	534.8	535.2	535.6	536.1	536.6	537.1	537.6
135°	559.0	559.4	559.6	560.1	560.6	561.1	561.6	562.0	562.4	562.7	563.1
137.5°	582.7	583.2	583.3	583.6	583.8	584.1	584.3	584.9	585.5	586.2	586.8
140°	604.3	604.7	604.9	605.3	605.6	606.0	606.4	606.9	607.4	607.9	608.4
142.5°	625.3	625.7	625.9	626.3	626.6	627.0	627.4	627.8	628.2	628.5	628.9
145°	645.1	645.5	645.6	645.9	646.1	646.4	646.6	646.9	647.1	647.4	647.7
147.5°	662.8	663.1	663.2	663.5	663.7	664.0	664.2	664.4	664.7	664.9	665.2
150°	678.7	678.9	679.0	679.3	679.6	679.8	680.1	680.3	680.6	680.8	681.1
152.5°	693.0	693.1	693.2	693.3	693.4	693.6	693.7	694.2	694.7	695.2	695.7
155°	705.7	705.6	705.7	705.8	705.9	706.0	706.1	706.7	707.4	708.0	708.7
157.5°	718.0	718.0	717.9	717.8	717.7	717.6	717.5	718.3	719.0	719.8	720.5
160°	727.8	727.7	727.6	727.5	727.4	727.2	727.1	727.9	728.6	729.4	730.1
162.5°	736.4	736.2	736.1	736.0	735.9	735.7	735.6	736.5	737.4	738.3	739.2
165°	743.7	743.5	743.4	743.3	743.2	743.1	743.0	744.0	745.0	746.0	747.0
167.5°	749.5	749.2	749.2	749.2	749.2	749.2	749.2	750.2	751.2	752.2	753.2
170°	754.6	754.3	754.3	754.3	754.3	754.3	754.3	755.3	756.3	757.3	758.3
172.5°	757.4	757.1	757.2	757.3	757.4	757.6	757.7	758.7	759.7	760.7	761.7
175°	760.3	760.0	760.1	760.2	760.3	760.4	760.5	761.4	762.3	763.2	764.1
177.5°	761.4	761.1	761.2	761.3	761.4	761.6	761.7	762.7	763.7	764.7	765.7
180°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1021.5	1022.6	1018.4	1015.3	1023.6	1018.4	1018.4	1019.4	1017.3	1020.5	1019.4
5°	964.1	965.2	957.9	960.0	955.8	954.7	953.7	960.0	958.9	957.9	960.0
7.5°	907.8	907.8	904.6	902.6	902.6	899.4	903.6	902.6	904.6	904.6	907.8
10°	860.8	862.9	857.7	852.5	851.4	852.5	852.5	853.5	854.6	861.9	860.8
12.5°	822.2	819.1	818.0	814.9	809.7	807.6	805.5	817.0	813.9	813.9	813.9
15°	779.4	786.7	785.7	776.3	774.2	778.4	776.3	776.3	786.7	785.7	784.7
17.5°	756.5	754.4	752.3	747.1	748.1	747.1	748.1	748.1	754.4	754.4	754.4
20°	730.4	726.2	726.2	724.1	724.1	721.0	725.2	726.2	730.4	730.4	731.4
22.5°	707.4	704.3	704.3	703.3	705.4	701.2	705.4	706.4	706.4	709.5	709.5
25°	687.6	685.5	685.5	687.6	687.6	687.6	687.6	691.8	688.7	689.7	688.7
27.5°	669.9	670.9	672.0	673.0	672.0	673.0	674.1	676.1	677.2	676.1	674.1
30°	653.2	656.3	657.4	657.4	659.4	660.5	661.5	661.5	662.6	659.4	661.5
32.5°	640.7	640.7	642.7	643.8	645.9	646.9	646.9	649.0	648.0	644.8	645.9
35°	622.9	622.9	627.1	629.2	632.3	631.3	632.3	632.3	633.4	631.3	628.1
37.5°	605.2	607.3	607.3	611.4	612.5	613.5	612.5	614.6	613.5	611.4	610.4
40°	584.3	583.3	584.3	587.4	588.5	588.5	588.5	590.6	590.6	590.6	589.5
42.5°	558.2	561.4	560.3	563.4	562.4	562.4	564.5	566.6	567.6	564.5	565.5
45°	533.2	533.2	535.3	535.3	536.3	536.3	540.5	538.4	540.5	538.4	539.5
47.5°	506.1	507.1	507.1	508.1	510.2	512.3	510.2	511.3	511.3	512.3	510.2
50°	475.8	475.8	477.9	481.0	485.2	483.1	482.1	486.2	483.1	483.1	481.0
52.5°	444.5	447.6	448.7	451.8	454.9	456.0	457.0	454.9	456.0	452.8	453.9
55°	414.2	415.3	419.5	422.6	425.7	425.7	424.7	425.7	426.8	422.6	422.6
57.5°	384.0	387.1	391.3	391.3	395.5	395.5	394.4	394.4	395.5	392.3	391.3
60°	351.6	354.8	360.0	360.0	366.2	367.3	365.2	363.1	363.1	360.0	361.0
62.5°	317.2	320.3	323.5	328.7	332.9	330.8	334.9	330.8	331.8	325.5	325.5
65°	286.9	288.0	293.2	298.4	298.4	300.5	298.4	299.5	296.3	296.3	292.2
67.5°	251.5	251.5	256.7	261.9	267.1	267.1	267.1	264.0	264.0	260.9	260.9
70°	220.2	219.1	224.3	227.5	230.6	231.6	229.6	228.5	226.4	223.3	222.2
72.5°	181.6	183.6	188.9	190.9	196.2	195.1	200.3	194.1	194.1	188.9	187.8
75°	147.1	149.2	154.4	157.6	160.7	160.7	163.8	160.7	156.5	154.4	153.4
77.5°	116.9	115.8	120.0	125.2	126.3	125.2	127.3	126.3	122.1	122.1	120.0
80°	83.5	86.6	90.8	89.7	93.9	92.9	92.9	90.8	90.8	87.6	89.7
82.5°	55.3	58.4	59.5	58.4	59.5	61.6	62.6	61.6	61.6	59.5	60.5
85°	29.2	29.2	31.3	32.3	31.3	31.3	32.3	35.5	33.4	31.3	33.4
87.5°	9.4	8.3	8.3	9.4	8.3	8.3	9.4	9.4	10.4	10.4	10.4
90°	15.9	16.0	16.3	16.5	16.8	17.0	16.8	16.5	16.3	16.0	15.9
92.5°	18.7	18.8	18.9	19.0	19.2	19.3	19.2	19.0	18.9	18.8	18.7
95°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
97.5°	22.7	22.8	22.9	23.0	23.1	23.2	23.1	23.0	22.9	22.8	22.7
100°	23.2	23.3	23.4	23.5	23.7	23.8	23.7	23.5	23.4	23.3	23.2
102.5°	23.2	23.3	23.6	23.9	24.1	24.4	24.1	23.9	23.6	23.3	23.2
105°	23.8	23.9	24.2	24.4	24.7	24.9	24.7	24.4	24.2	23.9	23.8
107.5°	133.2	124.9	108.4	91.9	75.4	58.9	75.4	91.9	108.4	124.9	133.2
110°	236.9	227.9	209.9	191.8	173.8	155.8	173.8	191.8	209.9	227.9	236.9

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	296.4	296.3	296.0	295.8	295.5	295.3	295.5	295.8	296.0	296.3	296.4
115°	331.0	331.2	331.7	332.2	332.7	333.2	332.7	332.2	331.7	331.2	331.0
117.5°	363.3	363.4	363.5	363.6	363.7	363.8	363.7	363.6	363.5	363.4	363.3
120°	395.6	395.6	395.6	395.6	395.6	395.6	395.6	395.6	395.6	395.6	395.6
122.5°	426.2	426.3	426.4	426.5	426.6	426.7	426.6	426.5	426.4	426.3	426.2
125°	454.5	454.6	454.9	455.1	455.4	455.6	455.4	455.1	454.9	454.6	454.5
127.5°	485.1	485.0	484.7	484.5	484.2	484.0	484.2	484.5	484.7	485.0	485.1
130°	512.3	512.2	511.9	511.7	511.4	511.2	511.4	511.7	511.9	512.2	512.3
132.5°	537.8	537.6	537.2	536.9	536.5	536.1	536.5	536.9	537.2	537.6	537.8
135°	563.3	563.1	562.7	562.4	562.0	561.6	562.0	562.4	562.7	563.1	563.3
137.5°	587.1	587.0	586.7	586.5	586.2	586.0	586.2	586.5	586.7	587.0	587.1
140°	608.7	608.6	608.3	608.0	607.8	607.5	607.8	608.0	608.3	608.6	608.7
142.5°	629.1	628.9	628.5	628.2	627.8	627.4	627.8	628.2	628.5	628.9	629.1
145°	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8
147.5°	665.3	665.0	664.4	663.7	663.1	662.5	663.1	663.7	664.4	665.0	665.3
150°	681.2	681.0	680.6	680.3	679.9	679.5	679.9	680.3	680.6	681.0	681.2
152.5°	695.9	695.6	695.0	694.3	693.7	693.1	693.7	694.3	695.0	695.6	695.9
155°	709.0	708.6	707.9	707.1	706.4	705.6	706.4	707.1	707.9	708.6	709.0
157.5°	720.9	720.4	719.4	718.3	717.3	716.3	717.3	718.3	719.4	720.4	720.9
160°	730.5	730.1	729.2	728.3	727.4	726.5	727.4	728.3	729.2	730.1	730.5
162.5°	739.6	739.2	738.5	737.7	737.0	736.2	737.0	737.7	738.5	739.2	739.6
165°	747.5	747.1	746.2	745.3	744.4	743.5	744.4	745.3	746.2	747.1	747.5
167.5°	753.7	753.2	752.2	751.2	750.2	749.2	750.2	751.2	752.2	753.2	753.7
170°	758.8	758.3	757.3	756.3	755.3	754.3	755.3	756.3	757.3	758.3	758.8
172.5°	762.2	761.6	760.5	759.4	758.2	757.1	758.2	759.4	760.5	761.6	762.2
175°	764.5	764.0	763.0	762.0	761.0	760.0	761.0	762.0	763.0	764.0	764.5
177.5°	766.2	765.6	764.3	763.0	761.8	760.5	761.8	763.0	764.3	765.6	766.2
180°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1022.6	1024.6	1025.7	1021.5	1018.4	1023.6	1030.9	1036.1	1040.3	1045.5	1048.6
5°	962.0	969.3	969.3	971.4	974.6	979.8	993.3	1002.7	1011.1	1017.3	1022.6
7.5°	910.9	916.1	919.3	924.5	929.7	937.0	952.6	966.2	978.7	986.0	994.4
10°	865.0	869.2	874.4	877.5	886.9	897.3	917.2	928.6	943.3	954.7	965.2
12.5°	821.2	835.8	838.9	837.9	846.2	857.7	877.5	895.3	910.9	922.4	933.9
15°	789.9	795.1	801.4	800.3	818.0	821.2	837.9	858.7	879.6	886.9	897.3
17.5°	755.4	763.8	770.0	773.2	778.4	789.9	805.5	821.2	848.3	849.3	876.5
20°	728.3	736.7	740.8	745.0	748.1	761.7	775.3	793.0	814.9	826.4	841.0
22.5°	710.6	714.7	717.9	721.0	725.2	732.5	749.2	769.0	783.6	796.1	805.5
25°	689.7	693.9	698.1	700.1	703.3	707.4	720.0	735.6	756.5	764.8	774.2
27.5°	675.1	675.1	677.2	677.2	681.4	685.5	694.9	709.5	726.2	736.7	749.2
30°	659.4	658.4	659.4	658.4	657.4	663.6	672.0	684.5	696.0	708.5	716.8
32.5°	643.8	642.7	642.7	643.8	639.6	642.7	646.9	658.4	670.9	677.2	686.6
35°	627.1	625.0	625.0	625.0	622.9	620.8	625.0	635.4	643.8	652.1	659.4
37.5°	610.4	607.3	607.3	605.2	603.1	600.0	600.0	608.3	619.8	622.9	632.3
40°	587.4	587.4	585.4	584.3	582.2	580.1	577.0	584.3	594.8	597.9	605.2
42.5°	564.5	561.4	560.3	560.3	560.3	557.2	555.1	560.3	566.6	571.8	576.0
45°	538.4	536.3	537.4	536.3	534.2	533.2	532.1	534.2	541.5	543.6	548.8
47.5°	510.2	509.2	509.2	508.1	507.1	508.1	504.0	509.2	511.3	513.4	517.5
50°	481.0	480.0	478.9	477.9	477.9	478.9	477.9	477.9	482.1	484.1	488.3
52.5°	451.8	448.7	448.7	447.6	447.6	445.5	447.6	448.7	450.8	452.8	454.9
55°	420.5	420.5	417.4	417.4	415.3	415.3	416.3	415.3	419.5	421.5	421.5
57.5°	390.2	386.1	387.1	385.0	382.9	381.9	381.9	384.0	386.1	386.1	388.2
60°	357.9	353.7	352.7	348.5	350.6	347.5	348.5	348.5	352.7	350.6	352.7
62.5°	325.5	320.3	317.2	315.1	315.1	316.2	314.1	313.0	315.1	317.2	321.4
65°	291.1	288.0	284.9	281.7	281.7	280.7	282.8	279.6	278.6	279.6	281.7
67.5°	255.6	252.5	249.4	246.2	247.3	244.2	242.1	245.2	243.1	244.2	246.2
70°	221.2	219.1	212.9	210.8	209.7	210.8	209.7	207.6	210.8	209.7	210.8
72.5°	186.8	184.7	181.6	176.3	176.3	175.3	174.3	174.3	173.2	173.2	173.2
75°	153.4	149.2	146.1	145.0	142.9	141.9	140.9	138.8	139.8	140.9	138.8
77.5°	119.0	113.7	112.7	112.7	109.6	109.6	110.6	109.6	108.5	108.5	108.5
80°	87.6	83.5	83.5	81.4	79.3	79.3	79.3	79.3	78.3	77.2	78.3
82.5°	56.3	55.3	54.3	54.3	56.3	52.2	54.3	53.2	52.2	52.2	51.1
85°	31.3	32.3	31.3	32.3	30.3	31.3	31.3	31.3	30.3	31.3	29.2
87.5°	11.5	11.5	11.5	12.5	12.5	12.5	12.5	12.5	13.6	12.5	12.5
90°	15.6	15.1	14.6	14.1	13.6	12.0	10.3	8.7	7.0	6.2	5.6
92.5°	18.3	17.4	16.5	15.6	14.7	13.6	12.4	11.3	10.2	9.6	10.0
95°	21.1	20.2	19.3	18.5	17.6	16.2	14.8	13.4	12.0	11.3	13.9
97.5°	22.2	21.2	20.1	19.1	18.1	24.5	30.9	37.4	43.8	47.0	48.8
100°	22.7	21.7	20.7	19.7	18.7	38.3	58.0	77.6	97.3	107.1	105.8
102.5°	25.3	29.4	33.6	37.7	41.9	63.8	85.7	107.6	129.5	140.5	139.7
105°	34.9	57.2	79.5	101.8	124.1	135.4	146.8	158.1	169.4	175.1	174.4
107.5°	142.9	162.3	181.7	201.1	220.5	218.6	216.7	214.8	212.9	212.0	211.4
110°	239.0	243.1	247.3	251.4	255.6	254.2	252.8	251.5	250.1	249.4	248.9

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	295.8	294.7	293.6	292.4	291.3	289.9	288.5	287.2	285.8	285.1	284.7
115°	330.4	329.1	327.8	326.6	325.3	324.2	323.0	321.9	320.8	320.2	319.8
117.5°	362.8	361.8	360.7	359.7	358.7	358.1	357.5	356.8	356.2	355.9	355.5
120°	395.1	394.1	393.0	392.0	391.0	390.6	390.2	389.9	389.5	389.3	388.7
122.5°	425.9	425.2	424.6	423.9	423.3	422.8	422.3	421.8	421.3	421.1	420.7
125°	454.4	454.1	453.9	453.6	453.4	452.9	452.4	451.9	451.4	451.1	450.6
127.5°	484.9	484.5	484.2	483.8	483.4	482.8	482.2	481.5	480.9	480.6	480.1
130°	512.0	511.5	511.0	510.5	510.0	509.5	509.0	508.5	508.0	507.8	507.3
132.5°	537.6	537.1	536.6	536.1	535.6	535.2	534.8	534.5	534.1	533.9	533.4
135°	563.1	562.7	562.4	562.0	561.6	561.1	560.6	560.1	559.6	559.4	559.0
137.5°	586.8	586.2	585.5	584.9	584.3	584.1	583.8	583.6	583.3	583.2	582.7
140°	608.4	607.9	607.4	606.9	606.4	606.0	605.6	605.3	604.9	604.7	604.3
142.5°	628.9	628.5	628.2	627.8	627.4	627.0	626.6	626.3	625.9	625.7	625.3
145°	647.7	647.4	647.1	646.9	646.6	646.4	646.1	645.9	645.6	645.5	645.1
147.5°	665.2	664.9	664.7	664.4	664.2	664.0	663.7	663.5	663.2	663.1	662.8
150°	681.1	680.8	680.6	680.3	680.1	679.8	679.6	679.3	679.0	678.9	678.7
152.5°	695.7	695.2	694.7	694.2	693.7	693.6	693.4	693.3	693.2	693.1	693.0
155°	708.7	708.0	707.4	706.7	706.1	706.0	705.9	705.8	705.7	705.6	705.7
157.5°	720.5	719.8	719.0	718.3	717.5	717.6	717.7	717.8	717.9	718.0	718.0
160°	730.1	729.4	728.6	727.9	727.1	727.2	727.4	727.5	727.6	727.7	727.8
162.5°	739.2	738.3	737.4	736.5	735.6	735.7	735.9	736.0	736.1	736.2	736.4
165°	747.0	746.0	745.0	744.0	743.0	743.1	743.2	743.3	743.4	743.5	743.7
167.5°	753.2	752.2	751.2	750.2	749.2	749.2	749.2	749.2	749.2	749.2	749.5
170°	758.3	757.3	756.3	755.3	754.3	754.3	754.3	754.3	754.3	754.3	754.6
172.5°	761.7	760.7	759.7	758.7	757.7	757.6	757.4	757.3	757.2	757.1	757.4
175°	764.1	763.2	762.3	761.4	760.5	760.4	760.3	760.2	760.1	760.0	760.3
177.5°	765.7	764.7	763.7	762.7	761.7	761.6	761.4	761.3	761.2	761.1	761.4
180°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1076.8	1076.8	1076.8	1076.8
2.5°	1053.9	1057.0	1067.4	1079.9
5°	1033.0	1041.3	1055.9	1075.8
7.5°	1010.0	1022.6	1043.4	1068.5
10°	983.9	1001.7	1027.8	1059.1
12.5°	955.8	978.7	1012.1	1044.5
15°	938.0	961.0	991.3	1026.7
17.5°	903.6	930.7	962.0	1012.1
20°	868.1	898.4	939.1	989.2
22.5°	841.0	873.3	912.0	965.2
25°	808.7	842.0	883.8	939.1
27.5°	774.2	807.6	854.6	913.0
30°	748.1	780.5	825.3	888.0
32.5°	716.8	748.1	795.1	860.8
35°	681.4	716.8	761.7	828.5
37.5°	654.2	686.6	733.5	797.2
40°	625.0	653.2	699.1	761.7
42.5°	593.7	625.0	664.7	727.3
45°	564.5	587.4	628.1	687.6
47.5°	533.2	559.3	590.6	636.5
50°	499.8	521.7	556.1	587.4
52.5°	467.5	485.2	514.4	538.4
55°	433.0	450.8	472.7	487.3
57.5°	400.7	413.2	427.8	437.2
60°	361.0	373.5	382.9	392.3
62.5°	325.5	334.9	340.2	345.4
65°	289.0	294.2	297.4	301.5
67.5°	249.4	254.6	255.6	261.9
70°	212.9	213.9	216.0	219.1
72.5°	178.4	180.5	179.5	181.6
75°	142.9	145.0	142.9	145.0
77.5°	108.5	110.6	110.6	113.7
80°	78.3	79.3	80.3	80.3
82.5°	51.1	54.3	52.2	53.2
85°	29.2	30.3	30.3	31.3
87.5°	13.6	14.6	13.6	15.7
90°	4.3	3.1	1.8	0.6
92.5°	10.7	11.5	12.2	13.0
95°	19.1	24.2	29.4	34.6
97.5°	52.3	55.8	59.4	62.9
100°	103.3	100.8	98.3	95.8
102.5°	138.1	136.4	134.8	133.2
105°	173.0	171.7	170.3	168.9
107.5°	210.3	209.2	208.0	206.9
110°	247.9	246.8	245.8	244.8

TEST NUMBER: P1010739

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	283.8	282.9	282.0	281.1
115°	319.1	318.3	317.6	316.8
117.5°	354.6	353.7	352.8	351.9
120°	387.6	386.5	385.3	384.2
122.5°	419.8	418.9	418.0	417.1
125°	449.6	448.6	447.6	446.6
127.5°	479.1	478.0	477.0	476.0
130°	506.3	505.2	504.2	503.2
132.5°	532.4	531.3	530.3	529.3
135°	558.3	557.5	556.8	556.0
137.5°	581.7	580.6	579.6	578.6
140°	603.6	602.8	602.1	601.3
142.5°	624.6	623.8	623.1	622.3
145°	644.2	643.3	642.4	641.5
147.5°	662.1	661.5	660.8	660.2
150°	678.3	678.0	677.6	677.2
152.5°	692.9	692.8	692.6	692.5
155°	706.0	706.2	706.5	706.7
157.5°	718.0	718.0	718.0	718.0
160°	727.9	728.0	728.1	728.2
162.5°	736.8	737.1	737.5	737.9
165°	744.1	744.4	744.8	745.2
167.5°	750.0	750.5	751.0	751.5
170°	755.1	755.6	756.1	756.6
172.5°	758.1	758.7	759.4	760.0
175°	760.9	761.6	762.2	762.8
177.5°	762.0	762.7	763.3	763.9
180°	762.8	762.8	762.8	762.8

(END OF REPORT)