

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: P1010724

Luminaire Tested: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010724
REPORT IS A COMBINATION OF REPORTS P990348 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D365UB2750-4F0-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

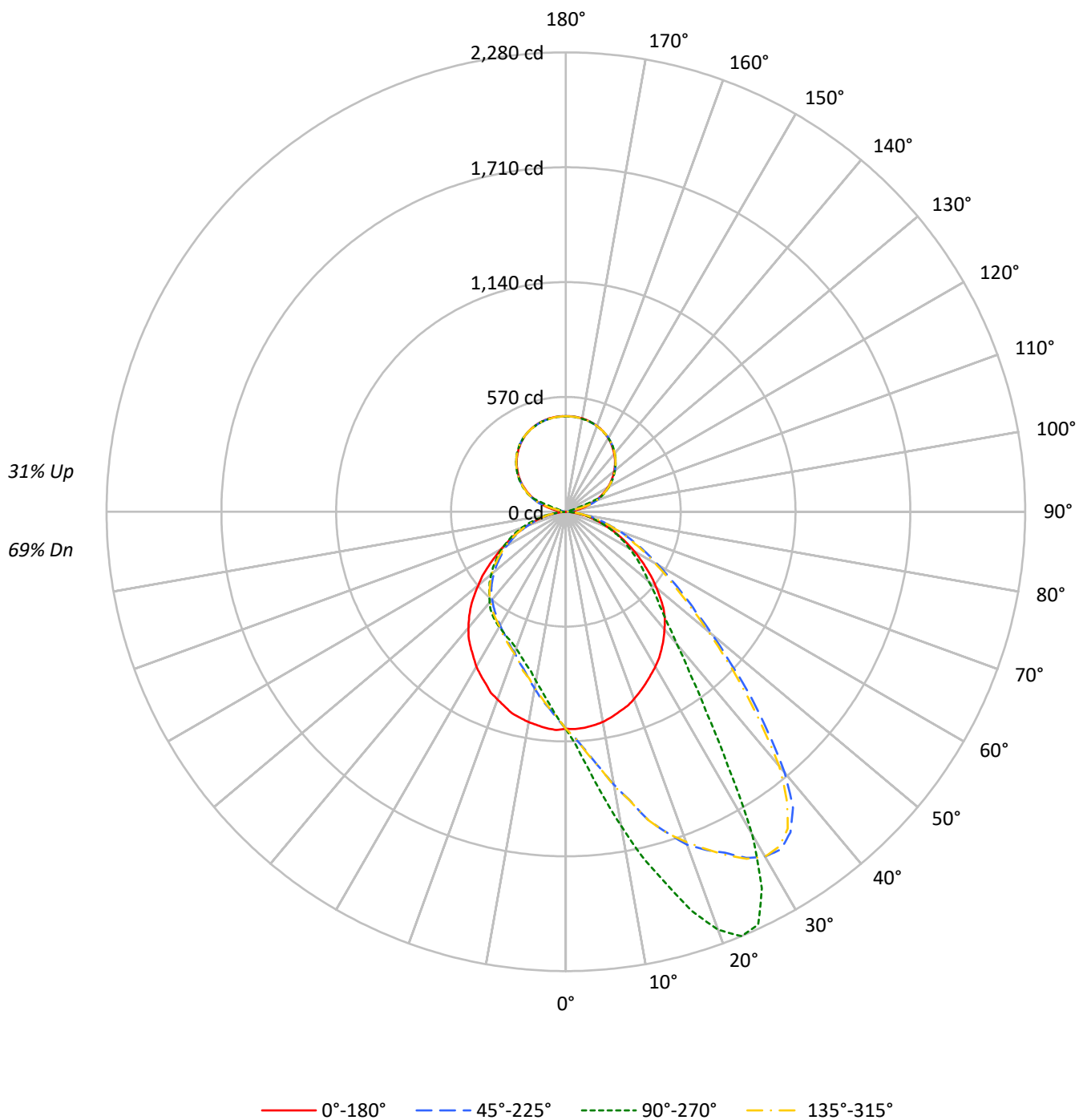
Lumens per Lamp: N/A
Luminaire Lumens: 4697.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
Input Voltage (V): 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: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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					0
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°	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: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	2.3
10°-20°	340.1	7.2
20°-30°	572.3	12.2
30°-40°	646.8	13.8
40°-50°	579.3	12.3
50°-60°	467.6	10.0
60°-70°	325.9	6.9
70°-80°	171.0	3.6
80°-90°	42.0	0.9
90°-100°	16.7	0.4
100°-110°	80.9	1.7
110°-120°	198.2	4.2
120°-130°	251.6	5.4
130°-140°	268.8	5.7
140°-150°	251.3	5.4
150°-160°	202.7	4.3
160°-170°	130.8	2.8
170°-180°	45.1	1.0
0°-30°	1018.4	21.7
0°-40°	1665.2	35.5
0°-60°	2712.1	57.7
0°-90°	3250.9	69.2
90°-120°	295.8	6.3
90°-150°	1067.4	22.7
90°-180°	1446.0	30.8
0°-180°	4697.0	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°	0	11	0	11	0	3
95°	22	13	22	13	22	26
105°	105	16	105	16	105	111
115°	197	207	197	207	197	195
125°	278	283	278	283	278	248
135°	346	349	346	349	346	266
145°	399	403	399	403	399	250
155°	439	439	439	439	439	202
165°	463	462	463	462	463	131
175°	474	473	474	473	474	45
180°	474	474	474	474	474	

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	0.4	1.2	2.0	2.7	3.5	3.9	4.4	5.4	6.5	7.5	8.5
92.5°	8.1	7.6	7.2	6.7	6.2	6.0	6.4	7.1	7.8	8.5	9.2
95°	21.5	18.3	15.1	11.8	8.6	7.0	7.4	8.3	9.2	10.0	10.9
97.5°	39.1	36.9	34.7	32.5	30.3	29.2	27.2	23.2	19.3	15.3	11.3
100°	59.6	61.2	62.7	64.3	65.8	66.6	60.5	48.3	36.0	23.8	11.6
102.5°	82.8	83.8	84.8	85.9	86.9	87.4	80.6	67.0	53.3	39.7	26.1
105°	105.0	105.9	106.7	107.6	108.5	108.9	105.4	98.3	91.3	84.2	77.2
107.5°	128.6	129.3	130.0	130.7	131.4	131.8	132.4	133.6	134.7	135.9	137.1
110°	152.2	152.8	153.5	154.1	154.8	155.1	155.5	156.4	157.2	158.1	158.9

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	8.8	9.1	9.4	9.7	9.9	10.0	10.1	10.3	10.4	10.6	10.4
92.5°	9.7	10.3	10.8	11.3	11.6	11.6	11.7	11.8	11.9	12.0	11.9
95°	11.5	12.0	12.6	13.1	13.4	13.4	13.4	13.4	13.4	13.4	13.4
97.5°	11.9	12.5	13.2	13.8	14.1	14.1	14.2	14.3	14.3	14.4	14.3
100°	12.2	12.8	13.5	14.1	14.4	14.4	14.5	14.6	14.7	14.8	14.7
102.5°	23.5	20.9	18.3	15.7	14.4	14.5	14.7	14.8	15.0	15.2	15.0
105°	63.3	49.5	35.6	21.7	14.8	14.9	15.0	15.2	15.3	15.5	15.3
107.5°	125.0	113.0	100.9	88.8	82.8	77.7	67.4	57.2	46.9	36.7	46.9
110°	156.3	153.7	151.2	148.6	147.3	141.7	130.5	119.3	108.1	96.9	108.1

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	10.3	10.1	10.0	9.9	9.7	9.4	9.1	8.8	8.5	7.5	6.5
92.5°	11.8	11.7	11.6	11.6	11.3	10.8	10.3	9.7	9.2	8.5	7.8
95°	13.4	13.4	13.4	13.4	13.1	12.6	12.0	11.5	10.9	10.0	9.2
97.5°	14.3	14.2	14.1	14.1	13.8	13.2	12.5	11.9	11.3	15.3	19.3
100°	14.6	14.5	14.4	14.4	14.1	13.5	12.8	12.2	11.6	23.8	36.0
102.5°	14.8	14.7	14.5	14.4	15.7	18.3	20.9	23.5	26.1	39.7	53.3
105°	15.2	15.0	14.9	14.8	21.7	35.6	49.5	63.3	77.2	84.2	91.3
107.5°	57.2	67.4	77.7	82.8	88.8	100.9	113.0	125.0	137.1	135.9	134.7
110°	119.3	130.5	141.7	147.3	148.6	151.2	153.7	156.3	158.9	158.1	157.2

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	5.4	4.4	3.9	3.5	2.7	2.0	1.2	0.4	1.2	2.0	2.7
92.5°	7.1	6.4	6.0	6.2	6.7	7.2	7.6	8.1	7.6	7.2	6.7
95°	8.3	7.4	7.0	8.6	11.8	15.1	18.3	21.5	18.3	15.1	11.8
97.5°	23.2	27.2	29.2	30.3	32.5	34.7	36.9	39.1	36.9	34.7	32.5
100°	48.3	60.5	66.6	65.8	64.3	62.7	61.2	59.6	61.2	62.7	64.3
102.5°	67.0	80.6	87.4	86.9	85.9	84.8	83.8	82.8	83.8	84.8	85.9
105°	98.3	105.4	108.9	108.5	107.6	106.7	105.9	105.0	105.9	106.7	107.6
107.5°	133.6	132.4	131.8	131.4	130.7	130.0	129.3	128.6	129.3	130.0	130.7
110°	156.4	155.5	155.1	154.8	154.1	153.5	152.8	152.2	152.8	153.5	154.1

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	3.5	3.9	4.4	5.4	6.5	7.5	8.5	8.8	9.1	9.4	9.7
92.5°	6.2	6.0	6.4	7.1	7.8	8.5	9.2	9.7	10.3	10.8	11.3
95°	8.6	7.0	7.4	8.3	9.2	10.0	10.9	11.5	12.0	12.6	13.1
97.5°	30.3	29.2	27.2	23.2	19.3	15.3	11.3	11.9	12.5	13.2	13.8
100°	65.8	66.6	60.5	48.3	36.0	23.8	11.6	12.2	12.8	13.5	14.1
102.5°	86.9	87.4	80.6	67.0	53.3	39.7	26.1	23.5	20.9	18.3	15.7
105°	108.5	108.9	105.4	98.3	91.3	84.2	77.2	63.3	49.5	35.6	21.7
107.5°	131.4	131.8	132.4	133.6	134.7	135.9	137.1	125.0	113.0	100.9	88.8
110°	154.8	155.1	155.5	156.4	157.2	158.1	158.9	156.3	153.7	151.2	148.6

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	9.9	10.0	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.9
92.5°	11.6	11.6	11.7	11.8	11.9	12.0	11.9	11.8	11.7	11.6	11.6
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
97.5°	14.1	14.1	14.2	14.3	14.3	14.4	14.3	14.3	14.2	14.1	14.1
100°	14.4	14.4	14.5	14.6	14.7	14.8	14.7	14.6	14.5	14.4	14.4
102.5°	14.4	14.5	14.7	14.8	15.0	15.2	15.0	14.8	14.7	14.5	14.4
105°	14.8	14.9	15.0	15.2	15.3	15.5	15.3	15.2	15.0	14.9	14.8
107.5°	82.8	77.7	67.4	57.2	46.9	36.7	46.9	57.2	67.4	77.7	82.8
110°	147.3	141.7	130.5	119.3	108.1	96.9	108.1	119.3	130.5	141.7	147.3

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	9.7	9.4	9.1	8.8	8.5	7.5	6.5	5.4	4.4	3.9	3.5
92.5°	11.3	10.8	10.3	9.7	9.2	8.5	7.8	7.1	6.4	6.0	6.2
95°	13.1	12.6	12.0	11.5	10.9	10.0	9.2	8.3	7.4	7.0	8.6
97.5°	13.8	13.2	12.5	11.9	11.3	15.3	19.3	23.2	27.2	29.2	30.3
100°	14.1	13.5	12.8	12.2	11.6	23.8	36.0	48.3	60.5	66.6	65.8
102.5°	15.7	18.3	20.9	23.5	26.1	39.7	53.3	67.0	80.6	87.4	86.9
105°	21.7	35.6	49.5	63.3	77.2	84.2	91.3	98.3	105.4	108.9	108.5
107.5°	88.8	100.9	113.0	125.0	137.1	135.9	134.7	133.6	132.4	131.8	131.4
110°	148.6	151.2	153.7	156.3	158.9	158.1	157.2	156.4	155.5	155.1	154.8

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-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°	2.7	2.0	1.2	0.4
92.5°	6.7	7.2	7.6	8.1
95°	11.8	15.1	18.3	21.5
97.5°	32.5	34.7	36.9	39.1
100°	64.3	62.7	61.2	59.6
102.5°	85.9	84.8	83.8	82.8
105°	107.6	106.7	105.9	105.0
107.5°	130.7	130.0	129.3	128.6
110°	154.1	153.5	152.8	152.2



TEST NUMBER: P1010724

CATALOG NUMBER: S123DIP-B775D365UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)