

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: P1010754

Luminaire Tested: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010754
REPORT IS A COMBINATION OF REPORTS P990468 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D805UB2750-4F0-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

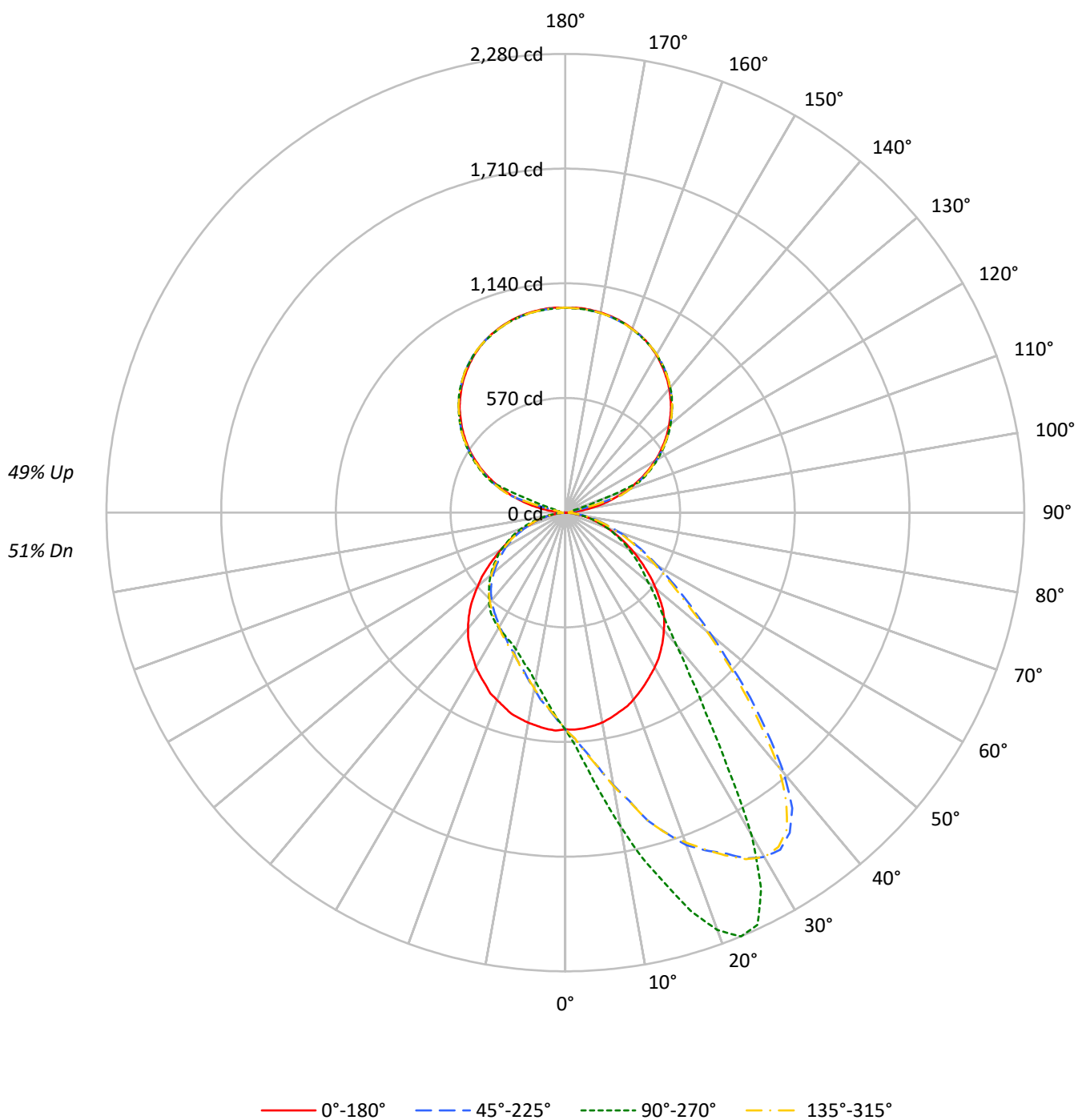
Lumens per Lamp: N/A
Luminaire Lumens: 6358.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 57
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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	57	57	57
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	49	49	49
2	90	82	76	71	83	76	71	67	65	61	58	55	52	50	45	43	42	42	42	42
3	82	73	66	60	76	68	61	56	58	53	49	49	45	42	40	38	36	36	36	36
4	75	64	57	51	69	60	53	48	51	46	42	43	40	36	36	33	31	31	31	31
5	69	58	50	44	64	54	46	41	46	41	36	39	35	32	33	30	27	27	27	27
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	30	26	24	24	24	24
7	59	47	39	33	54	44	37	31	38	32	28	32	28	25	27	24	21	21	21	21
8	55	42	35	29	50	40	33	28	34	29	25	29	25	22	25	22	19	19	19	19
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	17	17	17
10	48	35	28	24	44	33	27	22	29	24	20	25	21	18	21	18	16	16	16	16

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	1.7
10°-20°	340.1	5.3
20°-30°	572.3	9.0
30°-40°	646.8	10.2
40°-50°	579.3	9.1
50°-60°	467.6	7.4
60°-70°	325.9	5.1
70°-80°	171.0	2.7
80°-90°	43.0	0.7
90°-100°	35.9	0.6
100°-110°	173.7	2.7
110°-120°	425.7	6.7
120°-130°	540.4	8.5
130°-140°	577.3	9.1
140°-150°	539.8	8.5
150°-160°	435.4	6.8
160°-170°	281.0	4.4
170°-180°	96.8	1.5
0°-30°	1018.4	16.0
0°-40°	1665.2	26.2
0°-60°	2712.1	42.7
0°-90°	3252.0	51.1
90°-120°	635.3	10.0
90°-150°	2292.7	36.1
90°-180°	3106.0	48.9
0°-180°	6358.0	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	23	1	23	1	5
95°	46	29	46	29	46	55
105°	226	33	226	33	226	239
115°	423	445	423	445	423	418
125°	596	609	596	609	596	533
135°	742	750	742	750	742	572
145°	857	865	857	865	857	536
155°	944	942	944	942	944	435
165°	995	993	995	993	995	281
175°	1019	1015	1019	1015	1019	97
180°	1019	1019	1019	1019	1019	

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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°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.6	13.8	16.0	18.2
92.5°	17.4	16.4	15.4	14.4	13.4	12.9	13.7	15.2	16.7	18.2	19.7
95°	46.2	39.3	32.4	25.5	18.6	15.1	16.0	17.9	19.8	21.6	23.5
97.5°	84.0	79.3	74.6	69.9	65.2	62.8	58.5	49.9	41.4	32.8	24.2
100°	127.9	131.3	134.7	138.0	141.4	143.1	130.0	103.7	77.5	51.2	25.0
102.5°	177.9	180.1	182.3	184.4	186.6	187.7	173.1	143.8	114.5	85.3	56.0
105°	225.6	227.4	229.3	231.1	233.0	233.9	226.3	211.2	196.1	180.9	165.8
107.5°	276.3	277.8	279.3	280.8	282.3	283.1	284.4	286.9	289.4	291.9	294.4
110°	327.0	328.3	329.7	331.0	332.3	333.0	333.9	335.8	337.7	339.5	341.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	375.4	376.6	377.8	378.9	380.1	380.7	381.6	383.5	385.4	387.2	389.1
115°	423.1	424.1	425.1	426.2	427.2	427.7	428.5	430.0	431.5	433.0	434.5
117.5°	470.1	471.3	472.4	473.6	474.7	475.3	475.7	476.6	477.4	478.3	479.1
120°	513.2	514.7	516.2	517.7	519.2	520.0	520.3	520.8	521.3	521.8	522.3
122.5°	557.1	558.3	559.5	560.6	561.8	562.4	562.7	563.4	564.1	564.7	565.4
125°	596.5	597.8	599.2	600.5	601.8	602.5	602.8	603.5	604.2	604.8	605.5
127.5°	635.8	637.2	638.5	639.9	641.2	641.9	642.3	643.2	644.0	644.9	645.7
130°	672.2	673.5	674.9	676.2	677.5	678.2	678.5	679.2	679.9	680.5	681.2
132.5°	707.0	708.3	709.7	711.0	712.3	713.0	713.3	713.8	714.3	714.8	715.3
135°	742.5	743.5	744.5	745.6	746.6	747.1	747.4	748.1	748.8	749.4	750.1
137.5°	772.8	774.2	775.5	776.9	778.2	778.9	779.1	779.4	779.7	780.1	780.4
140°	803.1	804.1	805.1	806.1	807.1	807.6	807.9	808.4	808.9	809.4	809.9
142.5°	831.1	832.1	833.1	834.1	835.1	835.6	835.9	836.4	836.9	837.4	837.9
145°	856.8	858.0	859.2	860.3	861.5	862.1	862.3	862.6	863.0	863.3	863.7
147.5°	881.8	882.6	883.5	884.3	885.2	885.6	885.8	886.1	886.4	886.8	887.1
150°	904.5	905.0	905.5	906.0	906.5	906.8	907.0	907.3	907.6	908.0	908.3
152.5°	925.0	925.2	925.3	925.5	925.6	925.7	925.8	926.0	926.1	926.3	926.5
155°	943.9	943.6	943.2	942.9	942.6	942.4	942.5	942.6	942.8	942.9	943.1
157.5°	959.0	959.0	959.0	959.0	959.0	959.0	958.9	958.8	958.6	958.5	958.3
160°	972.6	972.4	972.3	972.1	972.0	971.9	971.8	971.6	971.5	971.3	971.1
162.5°	985.5	985.0	984.5	984.0	983.5	983.2	983.1	983.0	982.8	982.7	982.5
165°	995.4	994.9	994.4	993.9	993.4	993.1	993.0	992.8	992.7	992.5	992.3
167.5°	1003.7	1003.0	1002.4	1001.7	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
170°	1010.5	1009.8	1009.2	1008.5	1007.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5
172.5°	1015.0	1014.2	1013.4	1012.5	1011.7	1011.3	1011.4	1011.5	1011.7	1011.8	1012.0
175°	1018.8	1018.0	1017.1	1016.3	1015.4	1015.0	1015.1	1015.3	1015.4	1015.6	1015.8
177.5°	1020.3	1019.5	1018.7	1017.8	1017.0	1016.6	1016.7	1016.8	1017.0	1017.1	1017.3
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

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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°	18.9	19.5	20.2	20.9	21.2	21.4	21.7	22.0	22.4	22.7	22.4
92.5°	20.9	22.1	23.2	24.4	25.0	25.1	25.2	25.4	25.5	25.7	25.5
95°	24.7	25.9	27.0	28.2	28.8	28.8	28.8	28.8	28.8	28.8	28.8
97.5°	25.6	26.9	28.3	29.6	30.3	30.4	30.5	30.7	30.8	31.0	30.8
100°	26.3	27.7	29.0	30.3	31.0	31.1	31.3	31.4	31.6	31.8	31.6
102.5°	50.4	44.9	39.3	33.8	31.0	31.2	31.5	31.8	32.2	32.5	32.2
105°	136.0	106.2	76.5	46.7	31.8	32.0	32.3	32.6	33.0	33.3	33.0
107.5°	268.5	242.6	216.7	190.8	177.9	166.9	144.8	122.8	100.7	78.7	100.7
110°	335.8	330.3	324.7	319.2	316.4	304.4	280.3	256.3	232.2	208.2	232.2

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	390.6	392.1	393.6	395.1	395.9	395.7	395.4	395.1	394.7	394.4	394.7
115°	436.2	437.8	439.5	441.2	442.0	442.3	443.0	443.7	444.4	445.1	444.4
117.5°	480.5	481.8	483.2	484.5	485.2	485.3	485.4	485.6	485.7	485.9	485.7
120°	523.6	525.0	526.3	527.6	528.3	528.3	528.3	528.3	528.3	528.3	528.3
122.5°	566.2	567.1	567.9	568.8	569.2	569.3	569.5	569.6	569.8	570.0	569.8
125°	605.9	606.2	606.6	606.9	607.1	607.3	607.6	607.9	608.3	608.6	608.3
127.5°	646.2	646.7	647.2	647.7	647.9	647.7	647.4	647.1	646.7	646.4	646.7
130°	681.9	682.6	683.3	684.0	684.3	684.1	683.8	683.4	683.1	682.7	683.1
132.5°	716.0	716.6	717.3	718.0	718.3	718.1	717.6	717.1	716.6	716.1	716.6
135°	750.6	751.1	751.6	752.1	752.4	752.1	751.6	751.1	750.6	750.1	750.6
137.5°	781.2	782.1	782.9	783.8	784.2	784.0	783.7	783.4	783.0	782.7	783.0
140°	810.6	811.2	811.9	812.6	812.9	812.7	812.4	812.1	811.7	811.4	811.7
142.5°	838.4	838.9	839.4	839.9	840.2	839.9	839.4	838.9	838.4	837.9	838.4
145°	864.0	864.4	864.7	865.0	865.2	865.2	865.2	865.2	865.2	865.2	865.2
147.5°	887.4	887.8	888.1	888.4	888.6	888.2	887.3	886.5	885.6	884.8	885.6
150°	908.6	909.0	909.3	909.6	909.8	909.6	909.1	908.6	908.1	907.6	908.1
152.5°	927.2	927.8	928.5	929.2	929.5	929.1	928.2	927.4	926.5	925.7	926.5
155°	943.9	944.8	945.6	946.5	946.9	946.4	945.4	944.4	943.4	942.4	943.4
157.5°	959.3	960.3	961.3	962.3	962.8	962.1	960.8	959.5	958.1	956.8	958.1
160°	972.1	973.1	974.2	975.2	975.7	975.1	973.9	972.8	971.6	970.4	971.6
162.5°	983.7	984.9	986.0	987.2	987.8	987.3	986.3	985.2	984.2	983.2	984.2
165°	993.7	995.0	996.4	997.7	998.4	997.8	996.6	995.5	994.3	993.1	994.3
167.5°	1002.0	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0
170°	1008.8	1010.2	1011.5	1012.8	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1008.8
172.5°	1013.4	1014.7	1016.1	1017.4	1018.1	1017.3	1015.8	1014.3	1012.8	1011.3	1012.8
175°	1017.0	1018.2	1019.3	1020.5	1021.1	1020.4	1019.1	1017.7	1016.4	1015.0	1016.4
177.5°	1018.7	1020.0	1021.4	1022.7	1023.4	1022.6	1020.9	1019.2	1017.5	1015.8	1017.5
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-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°	22.0	21.7	21.4	21.2	20.9	20.2	19.5	18.9	18.2	16.0	13.8
92.5°	25.4	25.2	25.1	25.0	24.4	23.2	22.1	20.9	19.7	18.2	16.7
95°	28.8	28.8	28.8	28.8	28.2	27.0	25.9	24.7	23.5	21.6	19.8
97.5°	30.7	30.5	30.4	30.3	29.6	28.3	26.9	25.6	24.2	32.8	41.4
100°	31.4	31.3	31.1	31.0	30.3	29.0	27.7	26.3	25.0	51.2	77.5
102.5°	31.8	31.5	31.2	31.0	33.8	39.3	44.9	50.4	56.0	85.3	114.5
105°	32.6	32.3	32.0	31.8	46.7	76.5	106.2	136.0	165.8	180.9	196.1
107.5°	122.8	144.8	166.9	177.9	190.8	216.7	242.6	268.5	294.4	291.9	289.4
110°	256.3	280.3	304.4	316.4	319.2	324.7	330.3	335.8	341.4	339.5	337.7



TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	395.1	395.4	395.7	395.9	395.1	393.6	392.1	390.6	389.1	387.2	385.4
115°	443.7	443.0	442.3	442.0	441.2	439.5	437.8	436.2	434.5	433.0	431.5
117.5°	485.6	485.4	485.3	485.2	484.5	483.2	481.8	480.5	479.1	478.3	477.4
120°	528.3	528.3	528.3	528.3	527.6	526.3	525.0	523.6	522.3	521.8	521.3
122.5°	569.6	569.5	569.3	569.2	568.8	567.9	567.1	566.2	565.4	564.7	564.1
125°	607.9	607.6	607.3	607.1	606.9	606.6	606.2	605.9	605.5	604.8	604.2
127.5°	647.1	647.4	647.7	647.9	647.7	647.2	646.7	646.2	645.7	644.9	644.0
130°	683.4	683.8	684.1	684.3	684.0	683.3	682.6	681.9	681.2	680.5	679.9
132.5°	717.1	717.6	718.1	718.3	718.0	717.3	716.6	716.0	715.3	714.8	714.3
135°	751.1	751.6	752.1	752.4	752.1	751.6	751.1	750.6	750.1	749.4	748.8
137.5°	783.4	783.7	784.0	784.2	783.8	782.9	782.1	781.2	780.4	780.1	779.7
140°	812.1	812.4	812.7	812.9	812.6	811.9	811.2	810.6	809.9	809.4	808.9
142.5°	838.9	839.4	839.9	840.2	839.9	839.4	838.9	838.4	837.9	837.4	836.9
145°	865.2	865.2	865.2	865.2	865.0	864.7	864.4	864.0	863.7	863.3	863.0
147.5°	886.5	887.3	888.2	888.6	888.4	888.1	887.8	887.4	887.1	886.8	886.4
150°	908.6	909.1	909.6	909.8	909.6	909.3	909.0	908.6	908.3	908.0	907.6
152.5°	927.4	928.2	929.1	929.5	929.2	928.5	927.8	927.2	926.5	926.3	926.1
155°	944.4	945.4	946.4	946.9	946.5	945.6	944.8	943.9	943.1	942.9	942.8
157.5°	959.5	960.8	962.1	962.8	962.3	961.3	960.3	959.3	958.3	958.5	958.6
160°	972.8	973.9	975.1	975.7	975.2	974.2	973.1	972.1	971.1	971.3	971.5
162.5°	985.2	986.3	987.3	987.8	987.2	986.0	984.9	983.7	982.5	982.7	982.8
165°	995.5	996.6	997.8	998.4	997.7	996.4	995.0	993.7	992.3	992.5	992.7
167.5°	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7
170°	1010.2	1011.5	1012.8	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1007.5	1007.5
172.5°	1014.3	1015.8	1017.3	1018.1	1017.4	1016.1	1014.7	1013.4	1012.0	1011.8	1011.7
175°	1017.7	1019.1	1020.4	1021.1	1020.5	1019.3	1018.2	1017.0	1015.8	1015.6	1015.4
177.5°	1019.2	1020.9	1022.6	1023.4	1022.7	1021.4	1020.0	1018.7	1017.3	1017.1	1017.0
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-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°	11.6	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	15.2	13.7	12.9	13.4	14.4	15.4	16.4	17.4	16.4	15.4	14.4
95°	17.9	16.0	15.1	18.6	25.5	32.4	39.3	46.2	39.3	32.4	25.5
97.5°	49.9	58.5	62.8	65.2	69.9	74.6	79.3	84.0	79.3	74.6	69.9
100°	103.7	130.0	143.1	141.4	138.0	134.7	131.3	127.9	131.3	134.7	138.0
102.5°	143.8	173.1	187.7	186.6	184.4	182.3	180.1	177.9	180.1	182.3	184.4
105°	211.2	226.3	233.9	233.0	231.1	229.3	227.4	225.6	227.4	229.3	231.1
107.5°	286.9	284.4	283.1	282.3	280.8	279.3	277.8	276.3	277.8	279.3	280.8
110°	335.8	333.9	333.0	332.3	331.0	329.7	328.3	327.0	328.3	329.7	331.0

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	383.5	381.6	380.7	380.1	378.9	377.8	376.6	375.4	376.6	377.8	378.9
115°	430.0	428.5	427.7	427.2	426.2	425.1	424.1	423.1	424.1	425.1	426.2
117.5°	476.6	475.7	475.3	474.7	473.6	472.4	471.3	470.1	471.3	472.4	473.6
120°	520.8	520.3	520.0	519.2	517.7	516.2	514.7	513.2	514.7	516.2	517.7
122.5°	563.4	562.7	562.4	561.8	560.6	559.5	558.3	557.1	558.3	559.5	560.6
125°	603.5	602.8	602.5	601.8	600.5	599.2	597.8	596.5	597.8	599.2	600.5
127.5°	643.2	642.3	641.9	641.2	639.9	638.5	637.2	635.8	637.2	638.5	639.9
130°	679.2	678.5	678.2	677.5	676.2	674.9	673.5	672.2	673.5	674.9	676.2
132.5°	713.8	713.3	713.0	712.3	711.0	709.7	708.3	707.0	708.3	709.7	711.0
135°	748.1	747.4	747.1	746.6	745.6	744.5	743.5	742.5	743.5	744.5	745.6
137.5°	779.4	779.1	778.9	778.2	776.9	775.5	774.2	772.8	774.2	775.5	776.9
140°	808.4	807.9	807.6	807.1	806.1	805.1	804.1	803.1	804.1	805.1	806.1
142.5°	836.4	835.9	835.6	835.1	834.1	833.1	832.1	831.1	832.1	833.1	834.1
145°	862.6	862.3	862.1	861.5	860.3	859.2	858.0	856.8	858.0	859.2	860.3
147.5°	886.1	885.8	885.6	885.2	884.3	883.5	882.6	881.8	882.6	883.5	884.3
150°	907.3	907.0	906.8	906.5	906.0	905.5	905.0	904.5	905.0	905.5	906.0
152.5°	926.0	925.8	925.7	925.6	925.5	925.3	925.2	925.0	925.2	925.3	925.5
155°	942.6	942.5	942.4	942.6	942.9	943.2	943.6	943.9	943.6	943.2	942.9
157.5°	958.8	958.9	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
160°	971.6	971.8	971.9	972.0	972.1	972.3	972.4	972.6	972.4	972.3	972.1
162.5°	983.0	983.1	983.2	983.5	984.0	984.5	985.0	985.5	985.0	984.5	984.0
165°	992.8	993.0	993.1	993.4	993.9	994.4	994.9	995.4	994.9	994.4	993.9
167.5°	1000.7	1000.7	1000.7	1001.0	1001.7	1002.4	1003.0	1003.7	1003.0	1002.4	1001.7
170°	1007.5	1007.5	1007.5	1007.8	1008.5	1009.2	1009.8	1010.5	1009.8	1009.2	1008.5
172.5°	1011.5	1011.4	1011.3	1011.7	1012.5	1013.4	1014.2	1015.0	1014.2	1013.4	1012.5
175°	1015.3	1015.1	1015.0	1015.4	1016.3	1017.1	1018.0	1018.8	1018.0	1017.1	1016.3
177.5°	1016.8	1016.7	1016.6	1017.0	1017.8	1018.7	1019.5	1020.3	1019.5	1018.7	1017.8
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-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°	7.5	8.3	9.4	11.6	13.8	16.0	18.2	18.9	19.5	20.2	20.9
92.5°	13.4	12.9	13.7	15.2	16.7	18.2	19.7	20.9	22.1	23.2	24.4
95°	18.6	15.1	16.0	17.9	19.8	21.6	23.5	24.7	25.9	27.0	28.2
97.5°	65.2	62.8	58.5	49.9	41.4	32.8	24.2	25.6	26.9	28.3	29.6
100°	141.4	143.1	130.0	103.7	77.5	51.2	25.0	26.3	27.7	29.0	30.3
102.5°	186.6	187.7	173.1	143.8	114.5	85.3	56.0	50.4	44.9	39.3	33.8
105°	233.0	233.9	226.3	211.2	196.1	180.9	165.8	136.0	106.2	76.5	46.7
107.5°	282.3	283.1	284.4	286.9	289.4	291.9	294.4	268.5	242.6	216.7	190.8
110°	332.3	333.0	333.9	335.8	337.7	339.5	341.4	335.8	330.3	324.7	319.2

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	380.1	380.7	381.6	383.5	385.4	387.2	389.1	390.6	392.1	393.6	395.1
115°	427.2	427.7	428.5	430.0	431.5	433.0	434.5	436.2	437.8	439.5	441.2
117.5°	474.7	475.3	475.7	476.6	477.4	478.3	479.1	480.5	481.8	483.2	484.5
120°	519.2	520.0	520.3	520.8	521.3	521.8	522.3	523.6	525.0	526.3	527.6
122.5°	561.8	562.4	562.7	563.4	564.1	564.7	565.4	566.2	567.1	567.9	568.8
125°	601.8	602.5	602.8	603.5	604.2	604.8	605.5	605.9	606.2	606.6	606.9
127.5°	641.2	641.9	642.3	643.2	644.0	644.9	645.7	646.2	646.7	647.2	647.7
130°	677.5	678.2	678.5	679.2	679.9	680.5	681.2	681.9	682.6	683.3	684.0
132.5°	712.3	713.0	713.3	713.8	714.3	714.8	715.3	716.0	716.6	717.3	718.0
135°	746.6	747.1	747.4	748.1	748.8	749.4	750.1	750.6	751.1	751.6	752.1
137.5°	778.2	778.9	779.1	779.4	779.7	780.1	780.4	781.2	782.1	782.9	783.8
140°	807.1	807.6	807.9	808.4	808.9	809.4	809.9	810.6	811.2	811.9	812.6
142.5°	835.1	835.6	835.9	836.4	836.9	837.4	837.9	838.4	838.9	839.4	839.9
145°	861.5	862.1	862.3	862.6	863.0	863.3	863.7	864.0	864.4	864.7	865.0
147.5°	885.2	885.6	885.8	886.1	886.4	886.8	887.1	887.4	887.8	888.1	888.4
150°	906.5	906.8	907.0	907.3	907.6	908.0	908.3	908.6	909.0	909.3	909.6
152.5°	925.6	925.7	925.8	926.0	926.1	926.3	926.5	927.2	927.8	928.5	929.2
155°	942.6	942.4	942.5	942.6	942.8	942.9	943.1	943.9	944.8	945.6	946.5
157.5°	959.0	959.0	958.9	958.8	958.6	958.5	958.3	959.3	960.3	961.3	962.3
160°	972.0	971.9	971.8	971.6	971.5	971.3	971.1	972.1	973.1	974.2	975.2
162.5°	983.5	983.2	983.1	983.0	982.8	982.7	982.5	983.7	984.9	986.0	987.2
165°	993.4	993.1	993.0	992.8	992.7	992.5	992.3	993.7	995.0	996.4	997.7
167.5°	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1002.0	1003.4	1004.7	1006.0
170°	1007.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1008.8	1010.2	1011.5	1012.8
172.5°	1011.7	1011.3	1011.4	1011.5	1011.7	1011.8	1012.0	1013.4	1014.7	1016.1	1017.4
175°	1015.4	1015.0	1015.1	1015.3	1015.4	1015.6	1015.8	1017.0	1018.2	1019.3	1020.5
177.5°	1017.0	1016.6	1016.7	1016.8	1017.0	1017.1	1017.3	1018.7	1020.0	1021.4	1022.7
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-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°	21.2	21.4	21.7	22.0	22.4	22.7	22.4	22.0	21.7	21.4	21.2
92.5°	25.0	25.1	25.2	25.4	25.5	25.7	25.5	25.4	25.2	25.1	25.0
95°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
97.5°	30.3	30.4	30.5	30.7	30.8	31.0	30.8	30.7	30.5	30.4	30.3
100°	31.0	31.1	31.3	31.4	31.6	31.8	31.6	31.4	31.3	31.1	31.0
102.5°	31.0	31.2	31.5	31.8	32.2	32.5	32.2	31.8	31.5	31.2	31.0
105°	31.8	32.0	32.3	32.6	33.0	33.3	33.0	32.6	32.3	32.0	31.8
107.5°	177.9	166.9	144.8	122.8	100.7	78.7	100.7	122.8	144.8	166.9	177.9
110°	316.4	304.4	280.3	256.3	232.2	208.2	232.2	256.3	280.3	304.4	316.4

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	395.9	395.7	395.4	395.1	394.7	394.4	394.7	395.1	395.4	395.7	395.9
115°	442.0	442.3	443.0	443.7	444.4	445.1	444.4	443.7	443.0	442.3	442.0
117.5°	485.2	485.3	485.4	485.6	485.7	485.9	485.7	485.6	485.4	485.3	485.2
120°	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3
122.5°	569.2	569.3	569.5	569.6	569.8	570.0	569.8	569.6	569.5	569.3	569.2
125°	607.1	607.3	607.6	607.9	608.3	608.6	608.3	607.9	607.6	607.3	607.1
127.5°	647.9	647.7	647.4	647.1	646.7	646.4	646.7	647.1	647.4	647.7	647.9
130°	684.3	684.1	683.8	683.4	683.1	682.7	683.1	683.4	683.8	684.1	684.3
132.5°	718.3	718.1	717.6	717.1	716.6	716.1	716.6	717.1	717.6	718.1	718.3
135°	752.4	752.1	751.6	751.1	750.6	750.1	750.6	751.1	751.6	752.1	752.4
137.5°	784.2	784.0	783.7	783.4	783.0	782.7	783.0	783.4	783.7	784.0	784.2
140°	812.9	812.7	812.4	812.1	811.7	811.4	811.7	812.1	812.4	812.7	812.9
142.5°	840.2	839.9	839.4	838.9	838.4	837.9	838.4	838.9	839.4	839.9	840.2
145°	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2
147.5°	888.6	888.2	887.3	886.5	885.6	884.8	885.6	886.5	887.3	888.2	888.6
150°	909.8	909.6	909.1	908.6	908.1	907.6	908.1	908.6	909.1	909.6	909.8
152.5°	929.5	929.1	928.2	927.4	926.5	925.7	926.5	927.4	928.2	929.1	929.5
155°	946.9	946.4	945.4	944.4	943.4	942.4	943.4	944.4	945.4	946.4	946.9
157.5°	962.8	962.1	960.8	959.5	958.1	956.8	958.1	959.5	960.8	962.1	962.8
160°	975.7	975.1	973.9	972.8	971.6	970.4	971.6	972.8	973.9	975.1	975.7
162.5°	987.8	987.3	986.3	985.2	984.2	983.2	984.2	985.2	986.3	987.3	987.8
165°	998.4	997.8	996.6	995.5	994.3	993.1	994.3	995.5	996.6	997.8	998.4
167.5°	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0	1003.4	1004.7	1006.0	1006.7
170°	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1008.8	1010.2	1011.5	1012.8	1013.5
172.5°	1018.1	1017.3	1015.8	1014.3	1012.8	1011.3	1012.8	1014.3	1015.8	1017.3	1018.1
175°	1021.1	1020.4	1019.1	1017.7	1016.4	1015.0	1016.4	1017.7	1019.1	1020.4	1021.1
177.5°	1023.4	1022.6	1020.9	1019.2	1017.5	1015.8	1017.5	1019.2	1020.9	1022.6	1023.4
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1010754

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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°	20.9	20.2	19.5	18.9	18.2	16.0	13.8	11.6	9.4	8.3	7.5
92.5°	24.4	23.2	22.1	20.9	19.7	18.2	16.7	15.2	13.7	12.9	13.4
95°	28.2	27.0	25.9	24.7	23.5	21.6	19.8	17.9	16.0	15.1	18.6
97.5°	29.6	28.3	26.9	25.6	24.2	32.8	41.4	49.9	58.5	62.8	65.2
100°	30.3	29.0	27.7	26.3	25.0	51.2	77.5	103.7	130.0	143.1	141.4
102.5°	33.8	39.3	44.9	50.4	56.0	85.3	114.5	143.8	173.1	187.7	186.6
105°	46.7	76.5	106.2	136.0	165.8	180.9	196.1	211.2	226.3	233.9	233.0
107.5°	190.8	216.7	242.6	268.5	294.4	291.9	289.4	286.9	284.4	283.1	282.3
110°	319.2	324.7	330.3	335.8	341.4	339.5	337.7	335.8	333.9	333.0	332.3

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	395.1	393.6	392.1	390.6	389.1	387.2	385.4	383.5	381.6	380.7	380.1
115°	441.2	439.5	437.8	436.2	434.5	433.0	431.5	430.0	428.5	427.7	427.2
117.5°	484.5	483.2	481.8	480.5	479.1	478.3	477.4	476.6	475.7	475.3	474.7
120°	527.6	526.3	525.0	523.6	522.3	521.8	521.3	520.8	520.3	520.0	519.2
122.5°	568.8	567.9	567.1	566.2	565.4	564.7	564.1	563.4	562.7	562.4	561.8
125°	606.9	606.6	606.2	605.9	605.5	604.8	604.2	603.5	602.8	602.5	601.8
127.5°	647.7	647.2	646.7	646.2	645.7	644.9	644.0	643.2	642.3	641.9	641.2
130°	684.0	683.3	682.6	681.9	681.2	680.5	679.9	679.2	678.5	678.2	677.5
132.5°	718.0	717.3	716.6	716.0	715.3	714.8	714.3	713.8	713.3	713.0	712.3
135°	752.1	751.6	751.1	750.6	750.1	749.4	748.8	748.1	747.4	747.1	746.6
137.5°	783.8	782.9	782.1	781.2	780.4	780.1	779.7	779.4	779.1	778.9	778.2
140°	812.6	811.9	811.2	810.6	809.9	809.4	808.9	808.4	807.9	807.6	807.1
142.5°	839.9	839.4	838.9	838.4	837.9	837.4	836.9	836.4	835.9	835.6	835.1
145°	865.0	864.7	864.4	864.0	863.7	863.3	863.0	862.6	862.3	862.1	861.5
147.5°	888.4	888.1	887.8	887.4	887.1	886.8	886.4	886.1	885.8	885.6	885.2
150°	909.6	909.3	909.0	908.6	908.3	908.0	907.6	907.3	907.0	906.8	906.5
152.5°	929.2	928.5	927.8	927.2	926.5	926.3	926.1	926.0	925.8	925.7	925.6
155°	946.5	945.6	944.8	943.9	943.1	942.9	942.8	942.6	942.5	942.4	942.6
157.5°	962.3	961.3	960.3	959.3	958.3	958.5	958.6	958.8	958.9	959.0	959.0
160°	975.2	974.2	973.1	972.1	971.1	971.3	971.5	971.6	971.8	971.9	972.0
162.5°	987.2	986.0	984.9	983.7	982.5	982.7	982.8	983.0	983.1	983.2	983.5
165°	997.7	996.4	995.0	993.7	992.3	992.5	992.7	992.8	993.0	993.1	993.4
167.5°	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1001.0
170°	1012.8	1011.5	1010.2	1008.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.8
172.5°	1017.4	1016.1	1014.7	1013.4	1012.0	1011.8	1011.7	1011.5	1011.4	1011.3	1011.7
175°	1020.5	1019.3	1018.2	1017.0	1015.8	1015.6	1015.4	1015.3	1015.1	1015.0	1015.4
177.5°	1022.7	1021.4	1020.0	1018.7	1017.3	1017.1	1017.0	1016.8	1016.7	1016.6	1017.0
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-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°	5.8	4.1	2.5	0.8
92.5°	14.4	15.4	16.4	17.4
95°	25.5	32.4	39.3	46.2
97.5°	69.9	74.6	79.3	84.0
100°	138.0	134.7	131.3	127.9
102.5°	184.4	182.3	180.1	177.9
105°	231.1	229.3	227.4	225.6
107.5°	280.8	279.3	277.8	276.3
110°	331.0	329.7	328.3	327.0

TEST NUMBER: P1010754

CATALOG NUMBER: S123DIP-B775D805UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	378.9	377.8	376.6	375.4
115°	426.2	425.1	424.1	423.1
117.5°	473.6	472.4	471.3	470.1
120°	517.7	516.2	514.7	513.2
122.5°	560.6	559.5	558.3	557.1
125°	600.5	599.2	597.8	596.5
127.5°	639.9	638.5	637.2	635.8
130°	676.2	674.9	673.5	672.2
132.5°	711.0	709.7	708.3	707.0
135°	745.6	744.5	743.5	742.5
137.5°	776.9	775.5	774.2	772.8
140°	806.1	805.1	804.1	803.1
142.5°	834.1	833.1	832.1	831.1
145°	860.3	859.2	858.0	856.8
147.5°	884.3	883.5	882.6	881.8
150°	906.0	905.5	905.0	904.5
152.5°	925.5	925.3	925.2	925.0
155°	942.9	943.2	943.6	943.9
157.5°	959.0	959.0	959.0	959.0
160°	972.1	972.3	972.4	972.6
162.5°	984.0	984.5	985.0	985.5
165°	993.9	994.4	994.9	995.4
167.5°	1001.7	1002.4	1003.0	1003.7
170°	1008.5	1009.2	1009.8	1010.5
172.5°	1012.5	1013.4	1014.2	1015.0
175°	1016.3	1017.1	1018.0	1018.8
177.5°	1017.8	1018.7	1019.5	1020.3
180°	1018.8	1018.8	1018.8	1018.8

(END OF REPORT)