

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: P1010413

Luminaire Tested: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010413
REPORT IS A COMBINATION OF REPORTS P989092 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K
Description: Define 3 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

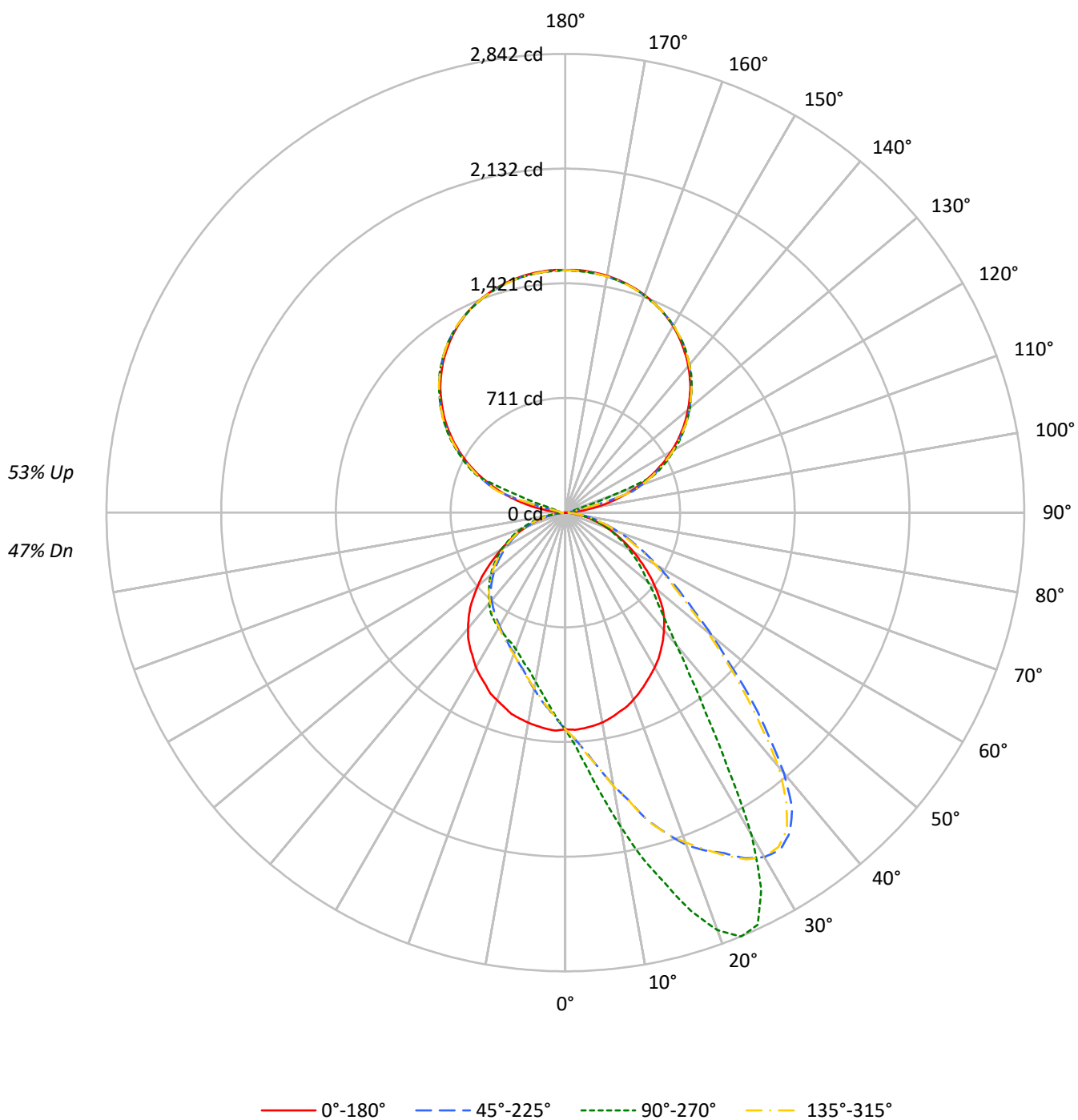
Lumens per Lamp: N/A
Luminaire Lumens: 8636.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 81.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53			47
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	48	47	46			40
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39			34
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	38	35	33			29
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	34	31	29			25
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	27	25			22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22			19
7	58	46	38	33	53	43	36	31	37	31	27	31	27	23	25	22	20			17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18			15
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	21	18	16			14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15			13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14451	14451	14451	14451
5°	14460	16650	14502	12426
10°	14369	20149	14383	10851
15°	14170	23896	14285	9768
20°	14000	27511	14029	8988
25°	13745	28205	13775	8581
30°	13564	23302	13564	8315
35°	13339	15585	13255	8080
40°	13070	11249	12909	7719
45°	12732	8912	12365	7271
50°	11910	7568	11487	6830
55°	11008	6650	10560	6340
60°	10092	5790	9556	5823
65°	9089	4959	8649	5137
70°	8045	4116	7509	4330
75°	6878	3103	6432	3342
80°	5440	2073	5016	2196
85°	3746	951	2997	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 23305 cd/sqm

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	1.5
10°-20°	424.1	4.9
20°-30°	713.6	8.3
30°-40°	806.4	9.3
40°-50°	722.2	8.4
50°-60°	583.0	6.8
60°-70°	406.3	4.7
70°-80°	213.2	2.5
80°-90°	54.1	0.6
90°-100°	53.0	0.6
100°-110°	256.2	3.0
110°-120°	627.8	7.3
120°-130°	797.0	9.2
130°-140°	851.4	9.9
140°-150°	796.2	9.2
150°-160°	642.2	7.4
160°-170°	414.4	4.8
170°-180°	142.8	1.7
0°-30°	1269.7	14.7
0°-40°	2076.1	24.0
0°-60°	3381.3	39.2
0°-90°	4055.0	47.0
90°-120°	937.0	10.9
90°-150°	3381.6	39.2
90°-180°	4581.0	53.0
0°-180°	8636.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1342	1342	1342	1342	1342	
5°	1341	1595	1345	1190	1341	127
15°	1280	2374	1290	970	1280	362
25°	1171	2818	1173	857	1171	540
35°	1033	1518	1026	787	1033	646
45°	857	820	833	669	857	656
55°	608	557	583	531	608	544
65°	376	362	358	375	376	374
75°	181	186	169	200	181	194
85°	39	43	31	39	39	45
90°	1	34	1	34	1	6
95°	68	42	68	42	68	81
105°	333	49	333	49	333	353
115°	624	656	624	656	624	616
125°	880	898	880	898	880	786
135°	1095	1106	1095	1106	1095	843
145°	1264	1276	1264	1276	1264	791
155°	1392	1390	1392	1390	1392	641
165°	1468	1465	1468	1465	1468	415
175°	1503	1497	1503	1497	1503	143
180°	1503	1503	1503	1503	1503	

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1346.4	1356.8	1362.1	1369.9	1377.7	1389.4	1393.3	1399.8	1397.2	1402.4	1405.0
5°	1341.2	1359.5	1375.1	1394.6	1412.8	1425.8	1438.8	1459.6	1475.2	1477.8	1489.5
7.5°	1332.1	1358.2	1385.5	1412.8	1447.9	1468.7	1492.1	1520.8	1544.2	1581.9	1596.2
10°	1320.4	1356.8	1395.9	1433.6	1481.7	1514.3	1542.9	1591.0	1639.1	1678.2	1714.6
12.5°	1302.2	1347.7	1398.5	1454.4	1516.9	1554.6	1593.6	1657.4	1730.2	1790.1	1829.1
15°	1280.1	1337.3	1402.4	1462.2	1531.2	1601.4	1643.0	1714.6	1818.7	1874.6	1974.8
17.5°	1261.9	1320.4	1385.5	1479.1	1572.8	1643.0	1673.0	1804.4	1875.9	1969.6	2082.8
20°	1233.3	1307.4	1390.7	1484.3	1605.3	1648.3	1709.4	1842.1	1930.6	2052.8	2192.0
22.5°	1203.3	1282.7	1382.9	1480.4	1615.7	1661.3	1744.5	1849.9	1990.4	2111.4	2264.9
25°	1170.8	1256.7	1358.2	1473.9	1606.6	1673.0	1751.0	1881.1	2033.3	2185.5	2327.3
27.5°	1138.3	1232.0	1337.3	1453.1	1581.9	1660.0	1738.0	1873.3	2068.4	2233.7	2414.5
30°	1107.1	1200.7	1306.1	1424.5	1559.8	1635.2	1709.4	1878.5	2095.8	2281.8	2463.9
32.5°	1073.3	1169.5	1280.1	1379.0	1515.6	1596.2	1679.5	1878.5	2112.7	2310.4	2476.9
35°	1032.9	1131.8	1226.8	1325.6	1460.9	1550.7	1644.4	1865.5	2128.3	2319.5	2422.3
37.5°	993.9	1081.1	1163.0	1259.3	1401.1	1497.3	1605.3	1849.9	2120.5	2280.5	2309.1
40°	949.7	1036.8	1103.2	1192.9	1342.5	1454.4	1563.7	1829.1	2086.7	2188.1	2104.9
42.5°	906.7	975.7	1032.9	1120.1	1282.7	1392.0	1510.4	1791.4	2020.3	2041.1	1853.8
45°	857.3	906.7	957.5	1056.3	1217.7	1329.5	1460.9	1736.7	1913.6	1853.8	1617.0
47.5°	793.6	837.8	893.7	984.8	1148.7	1264.5	1389.4	1666.5	1758.8	1633.9	1375.1
50°	732.4	770.1	822.2	910.6	1075.9	1189.0	1321.7	1555.9	1601.4	1405.0	1185.1
52.5°	671.3	699.9	750.6	839.1	1004.3	1113.6	1234.6	1442.7	1416.7	1205.9	1010.8
55°	607.5	632.2	680.4	767.5	921.0	1025.1	1140.9	1303.5	1235.9	1035.5	879.4
57.5°	545.1	571.1	620.5	693.4	837.8	939.3	1031.6	1159.1	1057.6	897.6	759.7
60°	489.1	511.3	549.0	620.5	751.9	833.9	918.4	1005.6	921.0	766.2	660.9
62.5°	430.6	451.4	486.5	551.6	664.8	737.6	805.3	876.8	783.1	670.0	576.3
65°	376.0	392.9	425.4	485.2	577.6	637.4	692.1	741.5	666.1	562.0	491.7
67.5°	326.5	340.8	368.2	421.5	499.5	542.5	586.7	628.3	564.6	481.3	421.5
70°	273.2	284.9	309.6	348.6	411.1	455.3	487.8	519.1	461.8	395.5	355.1
72.5°	226.4	238.1	253.7	294.0	336.9	364.3	399.4	416.3	383.8	329.1	288.8
75°	180.8	189.9	204.2	230.3	270.6	288.8	310.9	323.9	294.0	257.6	232.9
77.5°	141.8	145.7	156.1	174.3	201.6	222.5	239.4	247.2	226.4	202.9	182.1
80°	100.2	105.4	113.2	128.8	149.6	156.1	166.5	175.6	162.6	141.8	128.8
82.5°	66.3	72.9	76.8	83.3	96.3	104.1	106.7	114.5	102.8	95.0	89.8
85°	39.0	41.6	42.9	46.8	53.3	57.2	61.1	62.4	59.8	58.5	53.3
87.5°	19.5	19.5	19.5	22.1	23.4	26.0	27.3	27.3	27.3	26.0	24.7
90°	1.1	3.6	6.1	8.6	11.1	12.3	13.9	17.1	20.4	23.6	26.8
92.5°	25.7	24.2	22.7	21.2	19.7	19.0	20.1	22.3	24.6	26.8	29.0
95°	68.1	57.9	47.7	37.6	27.4	22.3	23.7	26.4	29.1	31.9	34.6
97.5°	123.9	117.0	110.0	103.1	96.2	92.7	86.4	73.7	61.0	48.4	35.7
100°	188.7	193.7	198.6	203.6	208.5	211.0	191.6	152.9	114.2	75.5	36.8
102.5°	262.4	265.6	268.8	272.1	275.3	276.9	255.3	212.1	169.0	125.8	82.6
105°	332.7	335.4	338.2	340.9	343.6	345.0	333.8	311.5	289.2	266.8	244.5
107.5°	407.5	409.7	411.9	414.2	416.4	417.5	419.4	423.1	426.8	430.6	434.3
110°	482.3	484.3	486.3	488.2	490.2	491.2	492.6	495.3	498.0	500.8	503.5

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	553.7	555.4	557.2	558.9	560.6	561.5	562.9	565.6	568.3	571.1	573.8
115°	624.1	625.6	627.1	628.6	630.1	630.8	631.9	634.1	636.4	638.6	640.8
117.5°	693.3	695.0	696.8	698.5	700.2	701.1	701.7	703.0	704.2	705.5	706.7
120°	756.9	759.1	761.4	763.6	765.9	767.0	767.4	768.1	768.8	769.6	770.3
122.5°	821.7	823.4	825.2	826.9	828.6	829.5	830.0	831.0	831.9	832.9	833.9
125°	879.7	881.7	883.7	885.6	887.6	888.6	889.1	890.1	891.1	892.1	893.1
127.5°	937.8	939.8	941.8	943.7	945.7	946.7	947.3	948.6	949.8	951.1	952.3
130°	991.4	993.4	995.4	997.3	999.3	1000.3	1000.8	1001.8	1002.8	1003.8	1004.8
132.5°	1042.7	1044.7	1046.7	1048.6	1050.6	1051.6	1052.0	1052.7	1053.5	1054.2	1055.0
135°	1095.2	1096.7	1098.2	1099.7	1101.2	1101.9	1102.4	1103.4	1104.3	1105.3	1106.3
137.5°	1139.8	1141.8	1143.8	1145.8	1147.8	1148.8	1149.0	1149.5	1150.0	1150.5	1151.0
140°	1184.5	1186.0	1187.5	1189.0	1190.5	1191.2	1191.6	1192.3	1193.0	1193.8	1194.5
142.5°	1225.8	1227.3	1228.8	1230.3	1231.8	1232.5	1232.9	1233.6	1234.3	1235.1	1235.8
145°	1263.8	1265.5	1267.3	1269.0	1270.7	1271.6	1271.8	1272.3	1272.8	1273.3	1273.8
147.5°	1300.6	1301.8	1303.1	1304.3	1305.6	1306.2	1306.4	1306.9	1307.4	1307.9	1308.4
150°	1334.1	1334.8	1335.6	1336.3	1337.0	1337.4	1337.7	1338.2	1338.7	1339.2	1339.7
152.5°	1364.2	1364.4	1364.7	1364.9	1365.2	1365.3	1365.4	1365.7	1366.0	1366.2	1366.5
155°	1392.1	1391.6	1391.1	1390.6	1390.1	1389.9	1390.0	1390.3	1390.5	1390.8	1391.0
157.5°	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.4	1414.1	1413.9	1413.6	1413.4
160°	1434.6	1434.3	1434.1	1433.8	1433.5	1433.4	1433.3	1433.0	1432.8	1432.5	1432.3
162.5°	1453.5	1452.8	1452.0	1451.3	1450.6	1450.2	1450.1	1449.8	1449.6	1449.3	1449.1
165°	1468.1	1467.3	1466.6	1465.8	1465.1	1464.7	1464.6	1464.3	1464.1	1463.8	1463.6
167.5°	1480.3	1479.3	1478.3	1477.4	1476.4	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
170°	1490.4	1489.4	1488.4	1487.4	1486.4	1485.9	1485.9	1485.9	1485.9	1485.9	1485.9
172.5°	1497.1	1495.9	1494.6	1493.4	1492.1	1491.5	1491.6	1491.9	1492.1	1492.4	1492.6
175°	1502.7	1501.5	1500.2	1499.0	1497.7	1497.1	1497.2	1497.5	1497.7	1498.0	1498.2
177.5°	1504.9	1503.7	1502.4	1501.2	1499.9	1499.3	1499.4	1499.7	1499.9	1500.2	1500.4
180°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1414.1	1416.7	1425.8	1432.3	1445.3	1444.0	1444.0	1442.7	1438.8	1445.3	1449.2
5°	1513.0	1535.1	1537.7	1566.3	1567.6	1579.3	1587.1	1580.6	1596.2	1594.9	1583.2
7.5°	1635.2	1665.2	1679.5	1706.8	1738.0	1730.2	1760.1	1765.3	1762.7	1775.7	1784.8
10°	1769.2	1821.3	1857.7	1908.4	1921.4	1929.3	1948.8	1965.7	1999.5	1973.5	1990.4
12.5°	1922.7	1960.5	2008.6	2089.3	2129.6	2155.6	2164.7	2176.4	2199.8	2185.5	2186.8
15°	2051.5	2102.3	2184.2	2284.4	2296.1	2328.6	2320.8	2391.1	2424.9	2374.2	2402.8
17.5°	2185.5	2253.2	2350.7	2437.9	2487.3	2509.5	2530.3	2597.9	2595.3	2587.5	2594.0
20°	2271.4	2382.0	2503.0	2618.7	2633.0	2650.0	2705.9	2734.5	2729.3	2751.4	2765.7
22.5°	2392.4	2509.5	2638.2	2715.0	2747.5	2767.0	2811.3	2829.5	2837.3	2842.5	2833.4
25°	2493.8	2618.7	2713.7	2781.3	2800.9	2811.3	2825.6	2830.8	2826.9	2817.8	2825.6
27.5°	2562.8	2663.0	2728.0	2759.2	2748.8	2731.9	2704.6	2686.4	2646.1	2626.5	2650.0
30°	2591.4	2635.6	2655.2	2603.1	2551.1	2509.5	2457.4	2361.2	2285.7	2307.8	2277.9
32.5°	2545.9	2517.3	2423.6	2289.6	2249.3	2181.6	2034.6	1921.4	1925.3	1865.5	1890.2
35°	2411.9	2281.8	2104.9	1901.9	1848.6	1812.2	1650.9	1626.1	1574.1	1518.2	1533.8
37.5°	2175.1	1985.2	1770.5	1620.9	1541.6	1462.2	1371.2	1316.5	1285.3	1261.9	1280.1
40°	1886.3	1654.8	1477.8	1343.8	1276.2	1225.5	1163.0	1108.4	1073.3	1069.3	1075.9
42.5°	1602.7	1407.6	1245.0	1117.5	1095.4	1035.5	995.2	952.3	941.9	924.9	934.1
45°	1356.8	1198.1	1064.1	960.1	934.1	918.4	869.0	841.7	830.0	819.6	835.2
47.5°	1178.6	1012.1	914.5	852.1	826.1	800.1	772.7	754.5	745.4	746.7	745.4
50°	1006.9	884.6	798.8	750.6	735.0	716.8	694.7	683.0	679.1	667.4	676.5
52.5°	866.4	777.9	718.1	672.6	660.9	647.9	629.6	623.1	614.0	611.4	611.4
55°	753.2	684.3	636.1	606.2	591.9	581.5	571.1	563.3	556.8	556.8	556.8
57.5°	664.8	604.9	569.8	543.8	538.6	528.2	516.5	516.5	507.4	506.1	510.0
60°	589.3	536.0	508.7	486.5	478.7	476.1	464.4	464.4	461.8	455.3	460.5
62.5°	512.6	473.5	450.1	433.2	425.4	425.4	416.3	409.8	409.8	411.1	408.5
65°	442.3	413.7	392.9	379.9	376.0	370.8	369.5	364.3	360.4	361.7	360.4
67.5°	379.9	357.8	343.4	333.0	326.5	323.9	320.0	320.0	317.4	318.7	312.2
70°	323.9	301.8	290.1	279.7	277.1	277.1	271.9	273.2	270.6	274.5	271.9
72.5°	266.7	249.8	240.7	236.8	234.2	232.9	230.3	227.7	226.4	229.0	227.7
75°	216.0	201.6	195.1	192.5	189.9	189.9	188.6	187.3	186.0	186.0	186.0
77.5°	167.8	158.7	150.9	153.5	149.6	150.9	147.0	147.0	148.3	147.0	147.0
80°	123.6	117.1	117.1	114.5	109.3	111.9	111.9	108.0	106.7	109.3	105.4
82.5°	82.0	80.7	78.1	76.8	74.2	75.5	74.2	72.9	71.6	74.2	71.6
85°	48.1	48.1	46.8	44.2	46.8	45.5	44.2	44.2	42.9	42.9	42.9
87.5°	24.7	22.1	22.1	20.8	22.1	19.5	20.8	19.5	18.2	19.5	18.2
90°	27.8	28.8	29.8	30.8	31.3	31.5	32.0	32.5	33.0	33.5	33.0
92.5°	30.7	32.5	34.2	35.9	36.8	36.9	37.2	37.5	37.7	38.0	37.7
95°	36.3	38.1	39.8	41.5	42.4	42.4	42.4	42.4	42.4	42.4	42.4
97.5°	37.7	39.7	41.7	43.7	44.7	44.8	45.1	45.3	45.6	45.8	45.6
100°	38.8	40.8	42.8	44.8	45.8	45.9	46.2	46.4	46.7	46.9	46.7
102.5°	74.4	66.2	58.1	49.9	45.8	46.0	46.5	47.0	47.5	48.0	47.5
105°	200.6	156.7	112.8	68.9	46.9	47.1	47.6	48.1	48.6	49.1	48.6
107.5°	396.1	357.9	319.7	281.5	262.4	246.1	213.6	181.1	148.6	116.1	148.6
110°	495.3	487.1	479.0	470.8	466.7	449.0	413.5	378.0	342.5	307.0	342.5

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	576.0	578.3	580.5	582.8	583.9	583.6	583.1	582.6	582.1	581.6	582.1
115°	643.3	645.8	648.3	650.8	652.0	652.5	653.5	654.4	655.4	656.4	655.4
117.5°	708.7	710.7	712.6	714.6	715.6	715.7	716.0	716.2	716.5	716.7	716.5
120°	772.3	774.3	776.2	778.2	779.2	779.2	779.2	779.2	779.2	779.2	779.2
122.5°	835.1	836.4	837.6	838.9	839.5	839.6	839.9	840.1	840.4	840.6	840.4
125°	893.6	894.1	894.6	895.1	895.3	895.6	896.1	896.6	897.1	897.6	897.1
127.5°	953.0	953.8	954.5	955.2	955.6	955.4	954.9	954.4	953.9	953.4	953.9
130°	1005.8	1006.8	1007.7	1008.7	1009.2	1009.0	1008.5	1008.0	1007.5	1007.0	1007.5
132.5°	1056.0	1057.0	1058.0	1059.0	1059.5	1059.1	1058.4	1057.6	1056.9	1056.1	1056.9
135°	1107.1	1107.8	1108.6	1109.3	1109.7	1109.3	1108.6	1107.8	1107.1	1106.3	1107.1
137.5°	1152.2	1153.5	1154.7	1156.0	1156.6	1156.3	1155.8	1155.3	1154.8	1154.3	1154.8
140°	1195.5	1196.5	1197.5	1198.5	1199.0	1198.8	1198.3	1197.8	1197.3	1196.8	1197.3
142.5°	1236.6	1237.3	1238.1	1238.8	1239.2	1238.8	1238.1	1237.3	1236.6	1235.8	1236.6
145°	1274.3	1274.8	1275.3	1275.8	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0
147.5°	1308.9	1309.4	1309.9	1310.4	1310.6	1310.0	1308.8	1307.5	1306.3	1305.1	1306.3
150°	1340.2	1340.7	1341.2	1341.7	1341.9	1341.5	1340.8	1340.1	1339.3	1338.6	1339.3
152.5°	1367.5	1368.5	1369.4	1370.4	1370.9	1370.3	1369.0	1367.8	1366.5	1365.3	1366.5
155°	1392.2	1393.5	1394.7	1396.0	1396.6	1395.9	1394.4	1392.9	1391.4	1389.9	1391.4
157.5°	1414.9	1416.4	1417.9	1419.4	1420.1	1419.1	1417.1	1415.1	1413.1	1411.1	1413.1
160°	1433.8	1435.3	1436.8	1438.3	1439.0	1438.1	1436.4	1434.7	1432.9	1431.2	1432.9
162.5°	1450.8	1452.6	1454.3	1456.0	1456.9	1456.2	1454.7	1453.2	1451.7	1450.2	1451.7
165°	1465.6	1467.6	1469.5	1471.5	1472.5	1471.6	1469.9	1468.2	1466.4	1464.7	1466.4
167.5°	1477.9	1479.9	1481.8	1483.8	1484.8	1483.8	1481.8	1479.9	1477.9	1475.9	1477.9
170°	1487.9	1489.9	1491.8	1493.8	1494.8	1493.8	1491.8	1489.9	1487.9	1485.9	1487.9
172.5°	1494.6	1496.6	1498.5	1500.5	1501.5	1500.4	1498.2	1495.9	1493.7	1491.5	1493.7
175°	1499.9	1501.7	1503.4	1505.1	1506.0	1505.0	1503.0	1501.1	1499.1	1497.1	1499.1
177.5°	1502.4	1504.4	1506.4	1508.4	1509.4	1508.2	1505.7	1503.2	1500.7	1498.2	1500.7
180°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1438.8	1442.7	1432.3	1429.7	1429.7	1434.9	1431.0	1395.9	1402.4	1394.6	1392.0
5°	1597.5	1589.7	1579.3	1574.1	1567.6	1549.4	1548.1	1507.8	1499.9	1473.9	1462.2
7.5°	1771.8	1765.3	1734.1	1730.2	1727.6	1710.7	1667.8	1624.8	1593.6	1563.7	1535.1
10°	1970.9	1951.4	1937.1	1908.4	1894.1	1870.7	1814.8	1774.4	1721.1	1675.6	1615.7
12.5°	2210.2	2188.1	2140.0	2119.2	2101.0	2035.9	1980.0	1934.5	1830.4	1799.2	1725.0
15°	2385.9	2339.0	2333.8	2288.3	2285.7	2214.1	2107.5	2058.0	1977.4	1862.9	1786.2
17.5°	2575.8	2534.2	2501.7	2447.0	2439.2	2371.6	2293.5	2172.5	2084.1	1974.8	1877.2
20°	2715.0	2692.9	2636.9	2614.8	2569.3	2512.1	2431.4	2281.8	2173.8	2064.5	1944.9
22.5°	2825.6	2803.5	2759.2	2729.3	2703.3	2629.1	2532.9	2405.4	2257.1	2114.0	1990.4
25°	2824.3	2817.8	2799.6	2785.2	2765.7	2711.1	2630.4	2508.2	2342.9	2185.5	2013.8
27.5°	2664.3	2682.5	2713.7	2729.3	2725.4	2717.6	2672.1	2569.3	2421.0	2233.7	2041.1
30°	2331.2	2397.6	2456.1	2534.2	2557.6	2614.8	2640.8	2582.3	2463.9	2289.6	2076.3
32.5°	1933.2	2029.4	2156.9	2199.8	2274.0	2384.6	2508.2	2530.3	2456.1	2322.1	2098.4
35°	1585.8	1665.2	1764.0	1831.7	1898.0	2077.6	2233.7	2369.0	2393.7	2305.2	2093.2
37.5°	1312.6	1368.6	1455.7	1513.0	1574.1	1727.6	1946.2	2121.8	2245.4	2248.0	2078.9
40°	1114.9	1139.6	1215.1	1256.7	1315.2	1447.9	1643.0	1872.0	2052.8	2136.1	2041.1
42.5°	944.5	977.0	1039.4	1070.6	1108.4	1224.2	1352.9	1570.2	1794.0	1972.2	1970.9
45°	843.0	866.4	895.0	921.0	964.0	1032.9	1179.9	1342.5	1557.2	1758.8	1838.2
47.5°	753.2	775.3	804.0	811.8	840.4	905.4	995.2	1137.0	1337.3	1537.7	1687.3
50°	677.8	696.0	715.5	729.8	742.8	796.2	863.8	983.5	1143.5	1337.3	1523.4
52.5°	619.2	632.2	649.2	657.0	668.7	707.7	759.7	848.2	979.6	1156.5	1337.3
55°	564.6	573.7	584.1	597.1	602.3	630.9	671.3	746.7	844.3	1003.0	1174.7
57.5°	513.9	517.8	524.3	532.1	538.6	563.3	598.4	649.2	735.0	857.3	1019.9
60°	456.6	467.0	470.9	478.7	482.6	502.2	529.5	572.4	638.7	744.1	866.4
62.5°	408.5	415.0	421.5	425.4	434.5	441.0	463.1	502.2	556.8	634.8	745.4
65°	365.6	368.2	372.1	376.0	378.6	386.4	407.2	433.2	474.8	543.8	629.6
67.5°	316.1	318.7	323.9	325.2	327.8	338.2	349.9	372.1	407.2	459.2	529.5
70°	268.0	271.9	274.5	277.1	281.0	284.9	297.9	316.1	343.4	379.9	434.5
72.5°	226.4	230.3	230.3	232.9	231.6	236.8	249.8	262.8	281.0	310.9	359.1
75°	184.7	184.7	187.3	188.6	189.9	195.1	200.3	210.7	225.1	248.5	278.4
77.5°	145.7	144.4	147.0	147.0	147.0	150.9	156.1	161.3	170.4	187.3	210.7
80°	106.7	106.7	109.3	110.6	108.0	109.3	111.9	117.1	123.6	135.3	148.3
82.5°	70.2	75.5	74.2	75.5	74.2	76.8	78.1	79.4	82.0	87.2	96.3
85°	42.9	42.9	42.9	44.2	42.9	44.2	44.2	44.2	45.5	48.1	52.0
87.5°	18.2	18.2	18.2	19.5	18.2	18.2	19.5	18.2	19.5	19.5	20.8
90°	32.5	32.0	31.5	31.3	30.8	29.8	28.8	27.8	26.8	23.6	20.4
92.5°	37.5	37.2	36.9	36.8	35.9	34.2	32.5	30.7	29.0	26.8	24.6
95°	42.4	42.4	42.4	42.4	41.5	39.8	38.1	36.3	34.6	31.9	29.1
97.5°	45.3	45.1	44.8	44.7	43.7	41.7	39.7	37.7	35.7	48.4	61.0
100°	46.4	46.2	45.9	45.8	44.8	42.8	40.8	38.8	36.8	75.5	114.2
102.5°	47.0	46.5	46.0	45.8	49.9	58.1	66.2	74.4	82.6	125.8	169.0
105°	48.1	47.6	47.1	46.9	68.9	112.8	156.7	200.6	244.5	266.8	289.2
107.5°	181.1	213.6	246.1	262.4	281.5	319.7	357.9	396.1	434.3	430.6	426.8
110°	378.0	413.5	449.0	466.7	470.8	479.0	487.1	495.3	503.5	500.8	498.0

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	582.6	583.1	583.6	583.9	582.8	580.5	578.3	576.0	573.8	571.1	568.3
115°	654.4	653.5	652.5	652.0	650.8	648.3	645.8	643.3	640.8	638.6	636.4
117.5°	716.2	716.0	715.7	715.6	714.6	712.6	710.7	708.7	706.7	705.5	704.2
120°	779.2	779.2	779.2	779.2	778.2	776.2	774.3	772.3	770.3	769.6	768.8
122.5°	840.1	839.9	839.6	839.5	838.9	837.6	836.4	835.1	833.9	832.9	831.9
125°	896.6	896.1	895.6	895.3	895.1	894.6	894.1	893.6	893.1	892.1	891.1
127.5°	954.4	954.9	955.4	955.6	955.2	954.5	953.8	953.0	952.3	951.1	949.8
130°	1008.0	1008.5	1009.0	1009.2	1008.7	1007.7	1006.8	1005.8	1004.8	1003.8	1002.8
132.5°	1057.6	1058.4	1059.1	1059.5	1059.0	1058.0	1057.0	1056.0	1055.0	1054.2	1053.5
135°	1107.8	1108.6	1109.3	1109.7	1109.3	1108.6	1107.8	1107.1	1106.3	1105.3	1104.3
137.5°	1155.3	1155.8	1156.3	1156.6	1156.0	1154.7	1153.5	1152.2	1151.0	1150.5	1150.0
140°	1197.8	1198.3	1198.8	1199.0	1198.5	1197.5	1196.5	1195.5	1194.5	1193.8	1193.0
142.5°	1237.3	1238.1	1238.8	1239.2	1238.8	1238.1	1237.3	1236.6	1235.8	1235.1	1234.3
145°	1276.0	1276.0	1276.0	1276.0	1275.8	1275.3	1274.8	1274.3	1273.8	1273.3	1272.8
147.5°	1307.5	1308.8	1310.0	1310.6	1310.4	1309.9	1309.4	1308.9	1308.4	1307.9	1307.4
150°	1340.1	1340.8	1341.5	1341.9	1341.7	1341.2	1340.7	1340.2	1339.7	1339.2	1338.7
152.5°	1367.8	1369.0	1370.3	1370.9	1370.4	1369.4	1368.5	1367.5	1366.5	1366.2	1366.0
155°	1392.9	1394.4	1395.9	1396.6	1396.0	1394.7	1393.5	1392.2	1391.0	1390.8	1390.5
157.5°	1415.1	1417.1	1419.1	1420.1	1419.4	1417.9	1416.4	1414.9	1413.4	1413.6	1413.9
160°	1434.7	1436.4	1438.1	1439.0	1438.3	1436.8	1435.3	1433.8	1432.3	1432.5	1432.8
162.5°	1453.2	1454.7	1456.2	1456.9	1456.0	1454.3	1452.6	1450.8	1449.1	1449.3	1449.6
165°	1468.2	1469.9	1471.6	1472.5	1471.5	1469.5	1467.6	1465.6	1463.6	1463.8	1464.1
167.5°	1479.9	1481.8	1483.8	1484.8	1483.8	1481.8	1479.9	1477.9	1475.9	1475.9	1475.9
170°	1489.9	1491.8	1493.8	1494.8	1493.8	1491.8	1489.9	1487.9	1485.9	1485.9	1485.9
172.5°	1495.9	1498.2	1500.4	1501.5	1500.5	1498.5	1496.6	1494.6	1492.6	1492.4	1492.1
175°	1501.1	1503.0	1505.0	1506.0	1505.1	1503.4	1501.7	1499.9	1498.2	1498.0	1497.7
177.5°	1503.2	1505.7	1508.2	1509.4	1508.4	1506.4	1504.4	1502.4	1500.4	1500.2	1499.9
180°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1379.0	1375.1	1375.1	1372.5	1364.7	1350.3	1349.0	1351.6	1343.8	1336.0	1324.3
5°	1446.6	1421.9	1414.1	1406.3	1390.7	1364.7	1354.2	1345.1	1330.8	1313.9	1295.7
7.5°	1503.9	1468.7	1458.3	1444.0	1412.8	1376.4	1352.9	1333.4	1313.9	1290.5	1268.4
10°	1575.4	1524.7	1499.9	1479.1	1436.2	1385.5	1350.3	1321.7	1290.5	1261.9	1233.3
12.5°	1656.1	1574.1	1566.3	1515.6	1466.1	1390.7	1347.7	1306.1	1264.5	1229.4	1199.4
15°	1723.7	1633.9	1601.4	1567.6	1472.6	1379.0	1337.3	1290.5	1242.4	1204.6	1160.4
17.5°	1766.6	1692.5	1623.5	1578.0	1479.1	1395.9	1315.2	1261.9	1211.1	1159.1	1122.7
20°	1818.7	1710.7	1650.9	1589.7	1492.1	1382.9	1302.2	1235.9	1173.4	1126.6	1082.4
22.5°	1870.7	1725.0	1675.6	1609.2	1494.7	1369.9	1278.8	1212.4	1140.9	1094.1	1045.9
25°	1865.5	1745.8	1663.9	1607.9	1468.7	1358.2	1251.5	1173.4	1107.1	1047.2	999.1
27.5°	1869.4	1722.4	1639.1	1574.1	1450.5	1341.2	1222.9	1140.9	1072.0	1009.5	958.8
30°	1870.7	1687.3	1614.4	1536.4	1416.7	1300.9	1190.3	1107.1	1034.2	966.6	921.0
32.5°	1866.8	1658.7	1567.6	1497.3	1363.4	1261.9	1152.6	1064.1	990.0	927.5	884.6
35°	1857.7	1624.8	1519.5	1431.0	1308.7	1205.9	1117.5	1026.4	947.1	889.8	840.4
37.5°	1833.0	1588.4	1468.7	1381.6	1245.0	1140.9	1062.8	987.4	910.6	843.0	801.4
40°	1814.8	1539.0	1418.0	1323.0	1176.0	1074.6	1009.5	938.0	862.5	801.4	761.0
42.5°	1773.1	1492.1	1366.0	1252.8	1108.4	1004.3	943.2	885.9	820.9	761.0	724.6
45°	1705.5	1441.4	1302.2	1187.7	1034.2	935.4	879.4	832.6	775.3	718.1	681.7
47.5°	1610.5	1368.6	1234.6	1120.1	961.4	861.2	805.3	770.1	724.6	676.5	645.3
50°	1507.8	1289.2	1165.6	1052.4	891.1	793.6	738.9	706.4	676.5	632.2	602.3
52.5°	1373.8	1204.6	1086.3	978.3	815.7	722.0	673.9	650.5	619.2	588.0	562.0
55°	1243.7	1095.4	997.8	895.0	741.5	654.4	607.5	582.8	564.6	538.6	517.8
57.5°	1092.8	993.9	904.1	810.5	672.6	593.2	549.0	519.1	507.4	495.6	476.1
60°	953.6	878.1	805.3	727.2	601.0	529.5	486.5	463.1	451.4	443.6	430.6
62.5°	826.1	767.5	705.1	642.6	528.2	463.1	430.6	407.2	396.8	395.5	383.8
65°	703.8	662.2	611.4	550.3	460.5	403.3	372.1	357.8	346.0	346.0	336.9
67.5°	581.5	552.9	512.6	469.6	399.4	346.0	317.4	304.4	297.9	297.9	291.4
70°	483.9	464.4	428.0	390.3	329.1	288.8	266.7	255.0	251.1	252.4	247.2
72.5°	392.9	372.1	342.1	314.8	269.3	239.4	223.8	210.7	204.2	205.5	204.2
75°	304.4	294.0	268.0	247.2	210.7	189.9	175.6	169.1	163.9	165.2	162.6
77.5°	229.0	213.3	199.0	184.7	162.6	145.7	134.0	127.5	123.6	123.6	123.6
80°	156.1	153.5	141.8	134.0	115.8	102.8	93.7	92.4	88.5	88.5	88.5
82.5°	101.5	95.0	88.5	83.3	72.9	65.0	61.1	58.5	57.2	55.9	58.5
85°	55.9	52.0	49.4	44.2	40.3	36.4	32.5	31.2	29.9	31.2	29.9
87.5°	22.1	18.2	18.2	16.9	15.6	14.3	14.3	11.7	11.7	10.4	10.4
90°	17.1	13.9	12.3	11.1	8.6	6.1	3.6	1.1	3.6	6.1	8.6
92.5°	22.3	20.1	19.0	19.7	21.2	22.7	24.2	25.7	24.2	22.7	21.2
95°	26.4	23.7	22.3	27.4	37.6	47.7	57.9	68.1	57.9	47.7	37.6
97.5°	73.7	86.4	92.7	96.2	103.1	110.0	117.0	123.9	117.0	110.0	103.1
100°	152.9	191.6	211.0	208.5	203.6	198.6	193.7	188.7	193.7	198.6	203.6
102.5°	212.1	255.3	276.9	275.3	272.1	268.8	265.6	262.4	265.6	268.8	272.1
105°	311.5	333.8	345.0	343.6	340.9	338.2	335.4	332.7	335.4	338.2	340.9
107.5°	423.1	419.4	417.5	416.4	414.2	411.9	409.7	407.5	409.7	411.9	414.2
110°	495.3	492.6	491.2	490.2	488.2	486.3	484.3	482.3	484.3	486.3	488.2

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	565.6	562.9	561.5	560.6	558.9	557.2	555.4	553.7	555.4	557.2	558.9
115°	634.1	631.9	630.8	630.1	628.6	627.1	625.6	624.1	625.6	627.1	628.6
117.5°	703.0	701.7	701.1	700.2	698.5	696.8	695.0	693.3	695.0	696.8	698.5
120°	768.1	767.4	767.0	765.9	763.6	761.4	759.1	756.9	759.1	761.4	763.6
122.5°	831.0	830.0	829.5	828.6	826.9	825.2	823.4	821.7	823.4	825.2	826.9
125°	890.1	889.1	888.6	887.6	885.6	883.7	881.7	879.7	881.7	883.7	885.6
127.5°	948.6	947.3	946.7	945.7	943.7	941.8	939.8	937.8	939.8	941.8	943.7
130°	1001.8	1000.8	1000.3	999.3	997.3	995.4	993.4	991.4	993.4	995.4	997.3
132.5°	1052.7	1052.0	1051.6	1050.6	1048.6	1046.7	1044.7	1042.7	1044.7	1046.7	1048.6
135°	1103.4	1102.4	1101.9	1101.2	1099.7	1098.2	1096.7	1095.2	1096.7	1098.2	1099.7
137.5°	1149.5	1149.0	1148.8	1147.8	1145.8	1143.8	1141.8	1139.8	1141.8	1143.8	1145.8
140°	1192.3	1191.6	1191.2	1190.5	1189.0	1187.5	1186.0	1184.5	1186.0	1187.5	1189.0
142.5°	1233.6	1232.9	1232.5	1231.8	1230.3	1228.8	1227.3	1225.8	1227.3	1228.8	1230.3
145°	1272.3	1271.8	1271.6	1270.7	1269.0	1267.3	1265.5	1263.8	1265.5	1267.3	1269.0
147.5°	1306.9	1306.4	1306.2	1305.6	1304.3	1303.1	1301.8	1300.6	1301.8	1303.1	1304.3
150°	1338.2	1337.7	1337.4	1337.0	1336.3	1335.6	1334.8	1334.1	1334.8	1335.6	1336.3
152.5°	1365.7	1365.4	1365.3	1365.2	1364.9	1364.7	1364.4	1364.2	1364.4	1364.7	1364.9
155°	1390.3	1390.0	1389.9	1390.1	1390.6	1391.1	1391.6	1392.1	1391.6	1391.1	1390.6
157.5°	1414.1	1414.4	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5	1414.5
160°	1433.0	1433.3	1433.4	1433.5	1433.8	1434.1	1434.3	1434.6	1434.3	1434.1	1433.8
162.5°	1449.8	1450.1	1450.2	1450.6	1451.3	1452.0	1452.8	1453.5	1452.8	1452.0	1451.3
165°	1464.3	1464.6	1464.7	1465.1	1465.8	1466.6	1467.3	1468.1	1467.3	1466.6	1465.8
167.5°	1475.9	1475.9	1475.9	1476.4	1477.4	1478.3	1479.3	1480.3	1479.3	1478.3	1477.4
170°	1485.9	1485.9	1485.9	1486.4	1487.4	1488.4	1489.4	1490.4	1489.4	1488.4	1487.4
172.5°	1491.9	1491.6	1491.5	1492.1	1493.4	1494.6	1495.9	1497.1	1495.9	1494.6	1493.4
175°	1497.5	1497.2	1497.1	1497.7	1499.0	1500.2	1501.5	1502.7	1501.5	1500.2	1499.0
177.5°	1499.7	1499.4	1499.3	1499.9	1501.2	1502.4	1503.7	1504.9	1503.7	1502.4	1501.2
180°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1321.7	1320.4	1323.0	1315.2	1302.2	1295.7	1277.5	1273.6	1272.3	1273.6	1274.9
5°	1285.3	1284.0	1280.1	1267.1	1251.5	1239.8	1217.7	1216.4	1208.5	1200.7	1204.6
7.5°	1250.2	1245.0	1237.2	1220.3	1199.4	1186.4	1168.2	1155.2	1144.8	1138.3	1133.1
10°	1215.1	1207.2	1199.4	1177.3	1151.3	1131.8	1109.7	1099.3	1087.6	1082.4	1077.2
12.5°	1169.5	1161.7	1147.4	1121.4	1105.8	1081.1	1058.9	1048.5	1042.0	1031.6	1025.1
15°	1133.1	1117.5	1109.7	1082.4	1049.8	1047.2	1006.9	1004.3	991.3	991.3	980.9
17.5°	1091.5	1079.8	1065.4	1038.1	1014.7	991.3	970.5	962.7	951.0	948.4	943.2
20°	1051.1	1035.5	1030.3	1003.0	978.3	949.7	927.5	919.7	914.5	909.3	913.2
22.5°	1009.5	996.5	983.5	958.8	940.6	911.9	898.9	891.1	883.3	880.7	882.0
25°	969.2	957.5	944.5	919.7	900.2	876.8	865.1	861.2	857.3	857.3	856.0
27.5°	930.2	918.4	906.7	884.6	865.1	848.2	839.1	835.2	831.3	833.9	836.5
30°	889.8	879.4	869.0	849.5	833.9	818.3	813.1	810.5	809.2	815.7	815.7
32.5°	853.4	844.3	836.5	818.3	802.7	789.7	785.7	787.1	788.4	792.3	794.9
35°	815.7	809.2	801.4	785.7	772.7	761.0	762.3	762.3	764.9	771.4	776.6
37.5°	781.8	772.7	766.2	753.2	742.8	732.4	736.3	740.2	742.8	750.6	753.2
40°	741.5	737.6	732.4	719.4	710.3	709.0	710.3	712.9	718.1	722.0	725.9
42.5°	709.0	703.8	697.3	686.9	679.1	680.4	681.7	684.3	686.9	693.4	697.3
45°	672.6	668.7	663.5	654.4	647.9	649.2	650.5	650.5	653.1	660.9	663.5
47.5°	632.2	633.5	627.0	617.9	614.0	614.0	614.0	616.6	623.1	625.7	627.0
50°	593.2	590.6	589.3	580.2	577.6	576.3	577.6	578.9	588.0	586.7	590.6
52.5°	551.6	551.6	550.3	545.1	541.2	541.2	538.6	545.1	547.7	550.3	554.2
55°	511.3	507.4	506.1	503.5	498.2	496.9	499.5	507.4	510.0	512.6	516.5
57.5°	467.0	467.0	464.4	460.5	460.5	460.5	460.5	465.7	469.6	472.2	480.0
60°	426.7	421.5	417.6	417.6	417.6	416.3	424.1	424.1	431.9	433.2	435.8
62.5°	378.6	376.0	373.4	374.7	373.4	376.0	378.6	383.8	385.1	389.0	392.9
65°	333.0	333.0	330.4	338.2	333.0	333.0	339.5	339.5	342.1	346.0	351.2
67.5°	288.8	290.1	287.5	287.5	290.1	291.4	292.7	297.9	299.2	304.4	310.9
70°	243.3	245.9	247.2	244.6	247.2	249.8	252.4	253.7	258.9	261.5	265.4
72.5°	202.9	205.5	201.6	202.9	204.2	206.8	208.1	210.7	213.3	221.2	223.8
75°	162.6	161.3	160.0	165.2	162.6	167.8	169.1	169.1	171.7	178.2	180.8
77.5°	124.9	124.9	126.2	123.6	127.5	126.2	127.5	131.4	135.3	135.3	145.7
80°	87.2	89.8	89.8	89.8	91.1	92.4	89.8	96.3	97.6	97.6	101.5
82.5°	55.9	57.2	55.9	58.5	58.5	61.1	59.8	61.1	63.7	66.3	67.6
85°	29.9	29.9	32.5	32.5	31.2	32.5	31.2	32.5	35.1	35.1	36.4
87.5°	10.4	10.4	10.4	10.4	11.7	10.4	11.7	11.7	10.4	10.4	14.3
90°	11.1	12.3	13.9	17.1	20.4	23.6	26.8	27.8	28.8	29.8	30.8
92.5°	19.7	19.0	20.1	22.3	24.6	26.8	29.0	30.7	32.5	34.2	35.9
95°	27.4	22.3	23.7	26.4	29.1	31.9	34.6	36.3	38.1	39.8	41.5
97.5°	96.2	92.7	86.4	73.7	61.0	48.4	35.7	37.7	39.7	41.7	43.7
100°	208.5	211.0	191.6	152.9	114.2	75.5	36.8	38.8	40.8	42.8	44.8
102.5°	275.3	276.9	255.3	212.1	169.0	125.8	82.6	74.4	66.2	58.1	49.9
105°	343.6	345.0	333.8	311.5	289.2	266.8	244.5	200.6	156.7	112.8	68.9
107.5°	416.4	417.5	419.4	423.1	426.8	430.6	434.3	396.1	357.9	319.7	281.5
110°	490.2	491.2	492.6	495.3	498.0	500.8	503.5	495.3	487.1	479.0	470.8

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	560.6	561.5	562.9	565.6	568.3	571.1	573.8	576.0	578.3	580.5	582.8
115°	630.1	630.8	631.9	634.1	636.4	638.6	640.8	643.3	645.8	648.3	650.8
117.5°	700.2	701.1	701.7	703.0	704.2	705.5	706.7	708.7	710.7	712.6	714.6
120°	765.9	767.0	767.4	768.1	768.8	769.6	770.3	772.3	774.3	776.2	778.2
122.5°	828.6	829.5	830.0	831.0	831.9	832.9	833.9	835.1	836.4	837.6	838.9
125°	887.6	888.6	889.1	890.1	891.1	892.1	893.1	893.6	894.1	894.6	895.1
127.5°	945.7	946.7	947.3	948.6	949.8	951.1	952.3	953.0	953.8	954.5	955.2
130°	999.3	1000.3	1000.8	1001.8	1002.8	1003.8	1004.8	1005.8	1006.8	1007.7	1008.7
132.5°	1050.6	1051.6	1052.0	1052.7	1053.5	1054.2	1055.0	1056.0	1057.0	1058.0	1059.0
135°	1101.2	1101.9	1102.4	1103.4	1104.3	1105.3	1106.3	1107.1	1107.8	1108.6	1109.3
137.5°	1147.8	1148.8	1149.0	1149.5	1150.0	1150.5	1151.0	1152.2	1153.5	1154.7	1156.0
140°	1190.5	1191.2	1191.6	1192.3	1193.0	1193.8	1194.5	1195.5	1196.5	1197.5	1198.5
142.5°	1231.8	1232.5	1232.9	1233.6	1234.3	1235.1	1235.8	1236.6	1237.3	1238.1	1238.8
145°	1270.7	1271.6	1271.8	1272.3	1272.8	1273.3	1273.8	1274.3	1274.8	1275.3	1275.8
147.5°	1305.6	1306.2	1306.4	1306.9	1307.4	1307.9	1308.4	1308.9	1309.4	1309.9	1310.4
150°	1337.0	1337.4	1337.7	1338.2	1338.7	1339.2	1339.7	1340.2	1340.7	1341.2	1341.7
152.5°	1365.2	1365.3	1365.4	1365.7	1366.0	1366.2	1366.5	1367.5	1368.5	1369.4	1370.4
155°	1390.1	1389.9	1390.0	1390.3	1390.5	1390.8	1391.0	1392.2	1393.5	1394.7	1396.0
157.5°	1414.5	1414.5	1414.4	1414.1	1413.9	1413.6	1413.4	1414.9	1416.4	1417.9	1419.4
160°	1433.5	1433.4	1433.3	1433.0	1432.8	1432.5	1432.3	1433.8	1435.3	1436.8	1438.3
162.5°	1450.6	1450.2	1450.1	1449.8	1449.6	1449.3	1449.1	1450.8	1452.6	1454.3	1456.0
165°	1465.1	1464.7	1464.6	1464.3	1464.1	1463.8	1463.6	1465.6	1467.6	1469.5	1471.5
167.5°	1476.4	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1477.9	1479.9	1481.8	1483.8
170°	1486.4	1485.9	1485.9	1485.9	1485.9	1485.9	1485.9	1487.9	1489.9	1491.8	1493.8
172.5°	1492.1	1491.5	1491.6	1491.9	1492.1	1492.4	1492.6	1494.6	1496.6	1498.5	1500.5
175°	1497.7	1497.1	1497.2	1497.5	1497.7	1498.0	1498.2	1499.9	1501.7	1503.4	1505.1
177.5°	1499.9	1499.3	1499.4	1499.7	1499.9	1500.2	1500.4	1502.4	1504.4	1506.4	1508.4
180°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1273.6	1274.9	1269.7	1265.8	1276.2	1269.7	1269.7	1271.0	1268.4	1272.3	1271.0
5°	1202.0	1203.3	1194.2	1196.8	1191.6	1190.3	1189.0	1196.8	1195.5	1194.2	1196.8
7.5°	1131.8	1131.8	1127.9	1125.3	1125.3	1121.4	1126.6	1125.3	1127.9	1127.9	1131.8
10°	1073.3	1075.9	1069.3	1062.8	1061.5	1062.8	1062.8	1064.1	1065.4	1074.6	1073.3
12.5°	1025.1	1021.2	1019.9	1016.0	1009.5	1006.9	1004.3	1018.6	1014.7	1014.7	1014.7
15°	971.8	980.9	979.6	967.9	965.3	970.5	967.9	967.9	980.9	979.6	978.3
17.5°	943.2	940.6	938.0	931.5	932.8	931.5	932.8	932.8	940.6	940.6	940.6
20°	910.6	905.4	905.4	902.8	902.8	898.9	904.1	905.4	910.6	910.6	911.9
22.5°	882.0	878.1	878.1	876.8	879.4	874.2	879.4	880.7	880.7	884.6	884.6
25°	857.3	854.7	854.7	857.3	857.3	857.3	857.3	862.5	858.6	859.9	858.6
27.5°	835.2	836.5	837.8	839.1	837.8	839.1	840.4	843.0	844.3	843.0	840.4
30°	814.4	818.3	819.6	819.6	822.2	823.5	824.8	824.8	826.1	822.2	824.8
32.5°	798.8	798.8	801.4	802.7	805.3	806.6	806.6	809.2	807.9	804.0	805.3
35°	776.6	776.6	781.8	784.4	788.4	787.1	788.4	788.4	789.7	787.1	783.1
37.5°	754.5	757.1	757.1	762.3	763.6	764.9	763.6	766.2	764.9	762.3	761.0
40°	728.5	727.2	728.5	732.4	733.7	733.7	733.7	736.3	736.3	736.3	735.0
42.5°	696.0	699.9	698.6	702.5	701.2	701.2	703.8	706.4	707.7	703.8	705.1
45°	664.8	664.8	667.4	667.4	668.7	668.7	673.9	671.3	673.9	671.3	672.6
47.5°	630.9	632.2	632.2	633.5	636.1	638.7	636.1	637.4	637.4	638.7	636.1
50°	593.2	593.2	595.8	599.7	604.9	602.3	601.0	606.2	602.3	602.3	599.7
52.5°	554.2	558.1	559.4	563.3	567.2	568.5	569.8	567.2	568.5	564.6	565.9
55°	516.5	517.8	523.0	526.9	530.8	530.8	529.5	530.8	532.1	526.9	526.9
57.5°	478.7	482.6	487.8	487.8	493.0	493.0	491.7	491.7	493.0	489.1	487.8
60°	438.4	442.3	448.8	448.8	456.6	457.9	455.3	452.7	452.7	448.8	450.1
62.5°	395.5	399.4	403.3	409.8	415.0	412.4	417.6	412.4	413.7	405.9	405.9
65°	357.8	359.1	365.6	372.1	372.1	374.7	372.1	373.4	369.5	369.5	364.3
67.5°	313.5	313.5	320.0	326.5	333.0	333.0	333.0	329.1	329.1	325.2	325.2
70°	274.5	273.2	279.7	283.6	287.5	288.8	286.2	284.9	282.3	278.4	277.1
72.5°	226.4	229.0	235.5	238.1	244.6	243.3	249.8	242.0	242.0	235.5	234.2
75°	183.4	186.0	192.5	196.4	200.3	200.3	204.2	200.3	195.1	192.5	191.2
77.5°	145.7	144.4	149.6	156.1	157.4	156.1	158.7	157.4	152.2	152.2	149.6
80°	104.1	108.0	113.2	111.9	117.1	115.8	115.8	113.2	113.2	109.3	111.9
82.5°	68.9	72.9	74.2	72.9	74.2	76.8	78.1	76.8	76.8	74.2	75.5
85°	36.4	36.4	39.0	40.3	39.0	39.0	40.3	44.2	41.6	39.0	41.6
87.5°	11.7	10.4	10.4	11.7	10.4	10.4	11.7	11.7	13.0	13.0	13.0
90°	31.3	31.5	32.0	32.5	33.0	33.5	33.0	32.5	32.0	31.5	31.3
92.5°	36.8	36.9	37.2	37.5	37.7	38.0	37.7	37.5	37.2	36.9	36.8
95°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
97.5°	44.7	44.8	45.1	45.3	45.6	45.8	45.6	45.3	45.1	44.8	44.7
100°	45.8	45.9	46.2	46.4	46.7	46.9	46.7	46.4	46.2	45.9	45.8
102.5°	45.8	46.0	46.5	47.0	47.5	48.0	47.5	47.0	46.5	46.0	45.8
105°	46.9	47.1	47.6	48.1	48.6	49.1	48.6	48.1	47.6	47.1	46.9
107.5°	262.4	246.1	213.6	181.1	148.6	116.1	148.6	181.1	213.6	246.1	262.4
110°	466.7	449.0	413.5	378.0	342.5	307.0	342.5	378.0	413.5	449.0	466.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	583.9	583.6	583.1	582.6	582.1	581.6	582.1	582.6	583.1	583.6	583.9
115°	652.0	652.5	653.5	654.4	655.4	656.4	655.4	654.4	653.5	652.5	652.0
117.5°	715.6	715.7	716.0	716.2	716.5	716.7	716.5	716.2	716.0	715.7	715.6
120°	779.2	779.2	779.2	779.2	779.2	779.2	779.2	779.2	779.2	779.2	779.2
122.5°	839.5	839.6	839.9	840.1	840.4	840.6	840.4	840.1	839.9	839.6	839.5
125°	895.3	895.6	896.1	896.6	897.1	897.6	897.1	896.6	896.1	895.6	895.3
127.5°	955.6	955.4	954.9	954.4	953.9	953.4	953.9	954.4	954.9	955.4	955.6
130°	1009.2	1009.0	1008.5	1008.0	1007.5	1007.0	1007.5	1008.0	1008.5	1009.0	1009.2
132.5°	1059.5	1059.1	1058.4	1057.6	1056.9	1056.1	1056.9	1057.6	1058.4	1059.1	1059.5
135°	1109.7	1109.3	1108.6	1107.8	1107.1	1106.3	1107.1	1107.8	1108.6	1109.3	1109.7
137.5°	1156.6	1156.3	1155.8	1155.3	1154.8	1154.3	1154.8	1155.3	1155.8	1156.3	1156.6
140°	1199.0	1198.8	1198.3	1197.8	1197.3	1196.8	1197.3	1197.8	1198.3	1198.8	1199.0
142.5°	1239.2	1238.8	1238.1	1237.3	1236.6	1235.8	1236.6	1237.3	1238.1	1238.8	1239.2
145°	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0	1276.0
147.5°	1310.6	1310.0	1308.8	1307.5	1306.3	1305.1	1306.3	1307.5	1308.8	1310.0	1310.6
150°	1341.9	1341.5	1340.8	1340.1	1339.3	1338.6	1339.3	1340.1	1340.8	1341.5	1341.9
152.5°	1370.9	1370.3	1369.0	1367.8	1366.5	1365.3	1366.5	1367.8	1369.0	1370.3	1370.9
155°	1396.6	1395.9	1394.4	1392.9	1391.4	1389.9	1391.4	1392.9	1394.4	1395.9	1396.6
157.5°	1420.1	1419.1	1417.1	1415.1	1413.1	1411.1	1413.1	1415.1	1417.1	1419.1	1420.1
160°	1439.0	1438.1	1436.4	1434.7	1432.9	1431.2	1432.9	1434.7	1436.4	1438.1	1439.0
162.5°	1456.9	1456.2	1454.7	1453.2	1451.7	1450.2	1451.7	1453.2	1454.7	1456.2	1456.9
165°	1472.5	1471.6	1469.9	1468.2	1466.4	1464.7	1466.4	1468.2	1469.9	1471.6	1472.5
167.5°	1484.8	1483.8	1481.8	1479.9	1477.9	1475.9	1477.9	1479.9	1481.8	1483.8	1484.8
170°	1494.8	1493.8	1491.8	1489.9	1487.9	1485.9	1487.9	1489.9	1491.8	1493.8	1494.8
172.5°	1501.5	1500.4	1498.2	1495.9	1493.7	1491.5	1493.7	1495.9	1498.2	1500.4	1501.5
175°	1506.0	1505.0	1503.0	1501.1	1499.1	1497.1	1499.1	1501.1	1503.0	1505.0	1506.0
177.5°	1509.4	1508.2	1505.7	1503.2	1500.7	1498.2	1500.7	1503.2	1505.7	1508.2	1509.4
180°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1274.9	1277.5	1278.8	1273.6	1269.7	1276.2	1285.3	1291.8	1297.0	1303.5	1307.4
5°	1199.4	1208.5	1208.5	1211.1	1215.1	1221.6	1238.5	1250.2	1260.6	1268.4	1274.9
7.5°	1135.7	1142.2	1146.1	1152.6	1159.1	1168.2	1187.7	1204.6	1220.3	1229.4	1239.8
10°	1078.5	1083.7	1090.2	1094.1	1105.8	1118.8	1143.5	1157.8	1176.0	1190.3	1203.3
12.5°	1023.8	1042.0	1045.9	1044.6	1055.0	1069.3	1094.1	1116.2	1135.7	1150.0	1164.3
15°	984.8	991.3	999.1	997.8	1019.9	1023.8	1044.6	1070.6	1096.7	1105.8	1118.8
17.5°	941.9	952.3	960.1	964.0	970.5	984.8	1004.3	1023.8	1057.6	1058.9	1092.8
20°	908.0	918.4	923.6	928.9	932.8	949.7	966.6	988.7	1016.0	1030.3	1048.5
22.5°	885.9	891.1	895.0	898.9	904.1	913.2	934.1	958.8	977.0	992.6	1004.3
25°	859.9	865.1	870.3	872.9	876.8	882.0	897.6	917.1	943.2	953.6	965.3
27.5°	841.7	841.7	844.3	844.3	849.5	854.7	866.4	884.6	905.4	918.4	934.1
30°	822.2	820.9	822.2	820.9	819.6	827.4	837.8	853.4	867.7	883.3	893.7
32.5°	802.7	801.4	801.4	802.7	797.5	801.4	806.6	820.9	836.5	844.3	856.0
35°	781.8	779.2	779.2	779.2	776.6	774.0	779.2	792.3	802.7	813.1	822.2
37.5°	761.0	757.1	757.1	754.5	751.9	748.0	748.0	758.4	772.7	776.6	788.4
40°	732.4	732.4	729.8	728.5	725.9	723.3	719.4	728.5	741.5	745.4	754.5
42.5°	703.8	699.9	698.6	698.6	698.6	694.7	692.1	698.6	706.4	712.9	718.1
45°	671.3	668.7	670.0	668.7	666.1	664.8	663.5	666.1	675.2	677.8	684.3
47.5°	636.1	634.8	634.8	633.5	632.2	633.5	628.3	634.8	637.4	640.0	645.3
50°	599.7	598.4	597.1	595.8	595.8	597.1	595.8	595.8	601.0	603.6	608.8
52.5°	563.3	559.4	559.4	558.1	558.1	555.5	558.1	559.4	562.0	564.6	567.2
55°	524.3	524.3	520.4	520.4	517.8	517.8	519.1	517.8	523.0	525.6	525.6
57.5°	486.5	481.3	482.6	480.0	477.4	476.1	476.1	478.7	481.3	481.3	483.9
60°	446.2	441.0	439.7	434.5	437.1	433.2	434.5	434.5	439.7	437.1	439.7
62.5°	405.9	399.4	395.5	392.9	392.9	394.2	391.6	390.3	392.9	395.5	400.7
65°	363.0	359.1	355.1	351.2	351.2	349.9	352.5	348.6	347.3	348.6	351.2
67.5°	318.7	314.8	310.9	307.0	308.3	304.4	301.8	305.7	303.1	304.4	307.0
70°	275.8	273.2	265.4	262.8	261.5	262.8	261.5	258.9	262.8	261.5	262.8
72.5°	232.9	230.3	226.4	219.9	219.9	218.6	217.3	217.3	216.0	216.0	216.0
75°	191.2	186.0	182.1	180.8	178.2	176.9	175.6	173.0	174.3	175.6	173.0
77.5°	148.3	141.8	140.5	140.5	136.6	136.6	137.9	136.6	135.3	135.3	135.3
80°	109.3	104.1	104.1	101.5	98.9	98.9	98.9	98.9	97.6	96.3	97.6
82.5°	70.2	68.9	67.6	67.6	70.2	65.0	67.6	66.3	65.0	65.0	63.7
85°	39.0	40.3	39.0	40.3	37.7	39.0	39.0	39.0	37.7	39.0	36.4
87.5°	14.3	14.3	14.3	15.6	15.6	15.6	15.6	15.6	16.9	15.6	15.6
90°	30.8	29.8	28.8	27.8	26.8	23.6	20.4	17.1	13.9	12.3	11.1
92.5°	35.9	34.2	32.5	30.7	29.0	26.8	24.6	22.3	20.1	19.0	19.7
95°	41.5	39.8	38.1	36.3	34.6	31.9	29.1	26.4	23.7	22.3	27.4
97.5°	43.7	41.7	39.7	37.7	35.7	48.4	61.0	73.7	86.4	92.7	96.2
100°	44.8	42.8	40.8	38.8	36.8	75.5	114.2	152.9	191.6	211.0	208.5
102.5°	49.9	58.1	66.2	74.4	82.6	125.8	169.0	212.1	255.3	276.9	275.3
105°	68.9	112.8	156.7	200.6	244.5	266.8	289.2	311.5	333.8	345.0	343.6
107.5°	281.5	319.7	357.9	396.1	434.3	430.6	426.8	423.1	419.4	417.5	416.4
110°	470.8	479.0	487.1	495.3	503.5	500.8	498.0	495.3	492.6	491.2	490.2

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	582.8	580.5	578.3	576.0	573.8	571.1	568.3	565.6	562.9	561.5	560.6
115°	650.8	648.3	645.8	643.3	640.8	638.6	636.4	634.1	631.9	630.8	630.1
117.5°	714.6	712.6	710.7	708.7	706.7	705.5	704.2	703.0	701.7	701.1	700.2
120°	778.2	776.2	774.3	772.3	770.3	769.6	768.8	768.1	767.4	767.0	765.9
122.5°	838.9	837.6	836.4	835.1	833.9	832.9	831.9	831.0	830.0	829.5	828.6
125°	895.1	894.6	894.1	893.6	893.1	892.1	891.1	890.1	889.1	888.6	887.6
127.5°	955.2	954.5	953.8	953.0	952.3	951.1	949.8	948.6	947.3	946.7	945.7
130°	1008.7	1007.7	1006.8	1005.8	1004.8	1003.8	1002.8	1001.8	1000.8	1000.3	999.3
132.5°	1059.0	1058.0	1057.0	1056.0	1055.0	1054.2	1053.5	1052.7	1052.0	1051.6	1050.6
135°	1109.3	1108.6	1107.8	1107.1	1106.3	1105.3	1104.3	1103.4	1102.4	1101.9	1101.2
137.5°	1156.0	1154.7	1153.5	1152.2	1151.0	1150.5	1150.0	1149.5	1149.0	1148.8	1147.8
140°	1198.5	1197.5	1196.5	1195.5	1194.5	1193.8	1193.0	1192.3	1191.6	1191.2	1190.5
142.5°	1238.8	1238.1	1237.3	1236.6	1235.8	1235.1	1234.3	1233.6	1232.9	1232.5	1231.8
145°	1275.8	1275.3	1274.8	1274.3	1273.8	1273.3	1272.8	1272.3	1271.8	1271.6	1270.7
147.5°	1310.4	1309.9	1309.4	1308.9	1308.4	1307.9	1307.4	1306.9	1306.4	1306.2	1305.6
150°	1341.7	1341.2	1340.7	1340.2	1339.7	1339.2	1338.7	1338.2	1337.7	1337.4	1337.0
152.5°	1370.4	1369.4	1368.5	1367.5	1366.5	1366.2	1366.0	1365.7	1365.4	1365.3	1365.2
155°	1396.0	1394.7	1393.5	1392.2	1391.0	1390.8	1390.5	1390.3	1390.0	1389.9	1390.1
157.5°	1419.4	1417.9	1416.4	1414.9	1413.4	1413.6	1413.9	1414.1	1414.4	1414.5	1414.5
160°	1438.3	1436.8	1435.3	1433.8	1432.3	1432.5	1432.8	1433.0	1433.3	1433.4	1433.5
162.5°	1456.0	1454.3	1452.6	1450.8	1449.1	1449.3	1449.6	1449.8	1450.1	1450.2	1450.6
165°	1471.5	1469.5	1467.6	1465.6	1463.6	1463.8	1464.1	1464.3	1464.6	1464.7	1465.1
167.5°	1483.8	1481.8	1479.9	1477.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1476.4
170°	1493.8	1491.8	1489.9	1487.9	1485.9	1485.9	1485.9	1485.9	1485.9	1485.9	1486.4
172.5°	1500.5	1498.5	1496.6	1494.6	1492.6	1492.4	1492.1	1491.9	1491.6	1491.5	1492.1
175°	1505.1	1503.4	1501.7	1499.9	1498.2	1498.0	1497.7	1497.5	1497.2	1497.1	1497.7
177.5°	1508.4	1506.4	1504.4	1502.4	1500.4	1500.2	1499.9	1499.7	1499.4	1499.3	1499.9
180°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1342.5	1342.5	1342.5	1342.5
2.5°	1313.9	1317.8	1330.8	1346.4
5°	1287.9	1298.3	1316.5	1341.2
7.5°	1259.3	1274.9	1300.9	1332.1
10°	1226.8	1248.9	1281.4	1320.4
12.5°	1191.6	1220.3	1261.9	1302.2
15°	1169.5	1198.1	1235.9	1280.1
17.5°	1126.6	1160.4	1199.4	1261.9
20°	1082.4	1120.1	1170.8	1233.3
22.5°	1048.5	1088.9	1137.0	1203.3
25°	1008.2	1049.8	1101.9	1170.8
27.5°	965.3	1006.9	1065.4	1138.3
30°	932.8	973.1	1029.0	1107.1
32.5°	893.7	932.8	991.3	1073.3
35°	849.5	893.7	949.7	1032.9
37.5°	815.7	856.0	914.5	993.9
40°	779.2	814.4	871.6	949.7
42.5°	740.2	779.2	828.7	906.7
45°	703.8	732.4	783.1	857.3
47.5°	664.8	697.3	736.3	793.6
50°	623.1	650.5	693.4	732.4
52.5°	582.8	604.9	641.3	671.3
55°	539.9	562.0	589.3	607.5
57.5°	499.5	515.2	533.4	545.1
60°	450.1	465.7	477.4	489.1
62.5°	405.9	417.6	424.1	430.6
65°	360.4	366.9	370.8	376.0
67.5°	310.9	317.4	318.7	326.5
70°	265.4	266.7	269.3	273.2
72.5°	222.5	225.1	223.8	226.4
75°	178.2	180.8	178.2	180.8
77.5°	135.3	137.9	137.9	141.8
80°	97.6	98.9	100.2	100.2
82.5°	63.7	67.6	65.0	66.3
85°	36.4	37.7	37.7	39.0
87.5°	16.9	18.2	16.9	19.5
90°	8.6	6.1	3.6	1.1
92.5°	21.2	22.7	24.2	25.7
95°	37.6	47.7	57.9	68.1
97.5°	103.1	110.0	117.0	123.9
100°	203.6	198.6	193.7	188.7
102.5°	272.1	268.8	265.6	262.4
105°	340.9	338.2	335.4	332.7
107.5°	414.2	411.9	409.7	407.5
110°	488.2	486.3	484.3	482.3

TEST NUMBER: P1010413

CATALOG NUMBER: S123DIP-B1000D1195UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	558.9	557.2	555.4	553.7
115°	628.6	627.1	625.6	624.1
117.5°	698.5	696.8	695.0	693.3
120°	763.6	761.4	759.1	756.9
122.5°	826.9	825.2	823.4	821.7
125°	885.6	883.7	881.7	879.7
127.5°	943.7	941.8	939.8	937.8
130°	997.3	995.4	993.4	991.4
132.5°	1048.6	1046.7	1044.7	1042.7
135°	1099.7	1098.2	1096.7	1095.2
137.5°	1145.8	1143.8	1141.8	1139.8
140°	1189.0	1187.5	1186.0	1184.5
142.5°	1230.3	1228.8	1227.3	1225.8
145°	1269.0	1267.3	1265.5	1263.8
147.5°	1304.3	1303.1	1301.8	1300.6
150°	1336.3	1335.6	1334.8	1334.1
152.5°	1364.9	1364.7	1364.4	1364.2
155°	1390.6	1391.1	1391.6	1392.1
157.5°	1414.5	1414.5	1414.5	1414.5
160°	1433.8	1434.1	1434.3	1434.6
162.5°	1451.3	1452.0	1452.8	1453.5
165°	1465.8	1466.6	1467.3	1468.1
167.5°	1477.4	1478.3	1479.3	1480.3
170°	1487.4	1488.4	1489.4	1490.4
172.5°	1493.4	1494.6	1495.9	1497.1
175°	1499.0	1500.2	1501.5	1502.7
177.5°	1501.2	1502.4	1503.7	1504.9
180°	1502.7	1502.7	1502.7	1502.7

(END OF REPORT)