

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: P1011057

Luminaire Tested: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011057
REPORT IS A COMBINATION OF REPORTS P989072 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

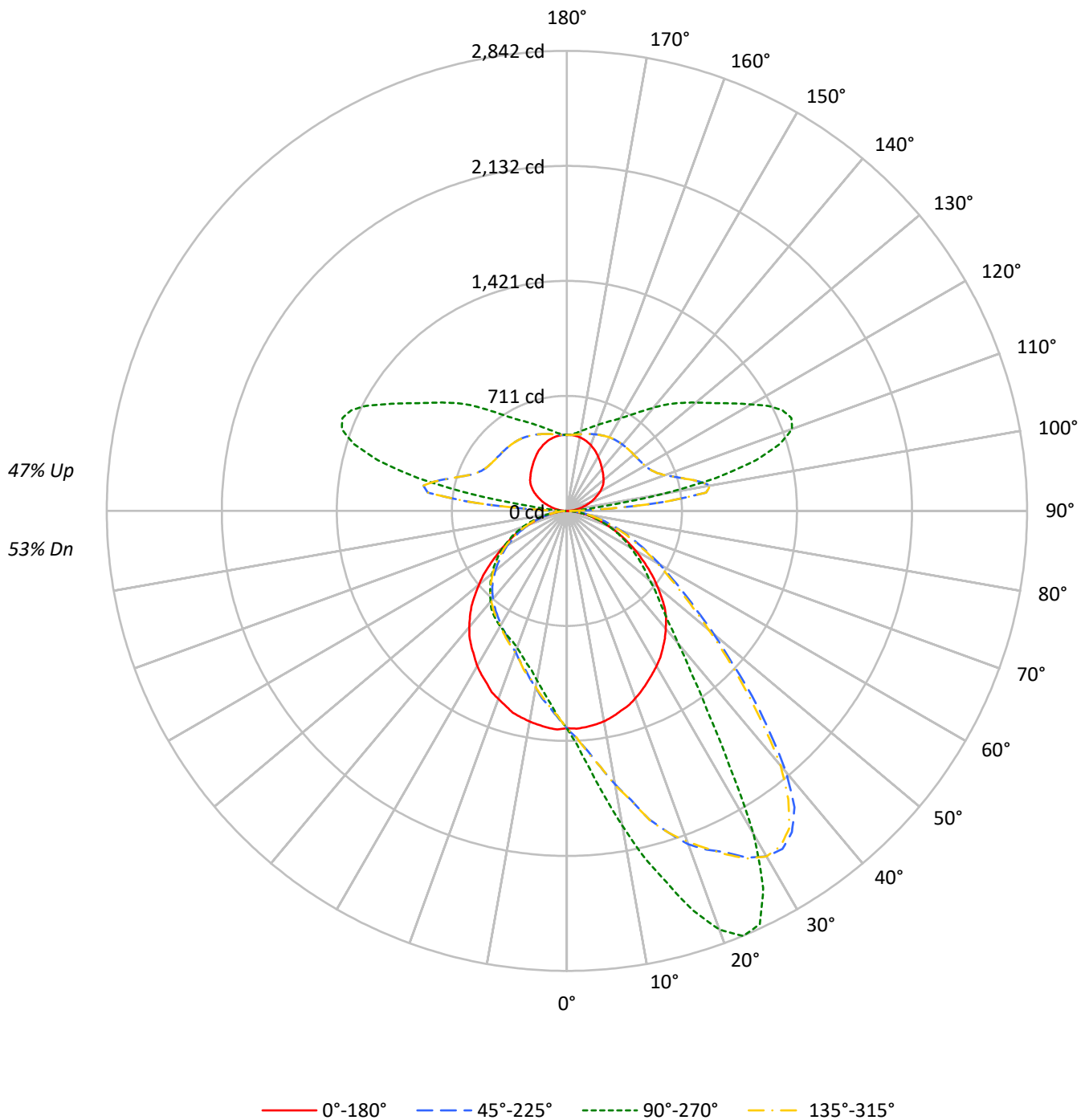
Lumens per Lamp: N/A
Luminaire Lumens: 7585.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 75.3
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

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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
RCR																	
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59
1	99	95	91	87	91	88	85	82	75	73	71	64	62	60	53	52	51
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43
3	82	73	66	60	76	68	62	57	59	54	50	50	46	43	42	39	37
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	37	34	32
5	69	58	50	44	64	54	47	42	47	41	37	40	36	32	34	31	28
6	64	52	44	38	59	49	41	36	42	37	32	36	32	29	31	27	25
7	59	47	39	34	55	44	37	32	38	33	29	33	29	25	28	25	22
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	22	20
9	51	39	32	26	47	37	30	25	32	27	23	28	23	20	24	20	18
10	48	36	29	24	44	34	27	23	30	24	21	26	21	18	22	19	16

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	1.7
10°-20°	424.1	5.6
20°-30°	713.6	9.4
30°-40°	806.4	10.6
40°-50°	722.2	9.5
50°-60°	583.0	7.7
60°-70°	406.3	5.4
70°-80°	213.2	2.8
80°-90°	53.7	0.7
90°-100°	254.7	3.4
100°-110°	745.6	9.8
110°-120°	728.1	9.6
120°-130°	579.9	7.6
130°-140°	457.5	6.0
140°-150°	341.3	4.5
150°-160°	238.0	3.1
160°-170°	139.8	1.8
170°-180°	45.5	0.6
0°-30°	1269.7	16.7
0°-40°	2076.1	27.4
0°-60°	3381.3	44.6
0°-90°	4054.6	53.5
90°-120°	1728.5	22.8
90°-150°	3107.2	41.0
90°-180°	3530.0	46.5
0°-180°	7585.0	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°	2	28	2	28	2	5
95°	32	110	32	110	32	34
105°	110	1208	110	1208	110	117
115°	195	1470	195	1470	195	193
125°	271	1159	271	1159	271	241
135°	317	940	317	940	317	245
145°	362	734	362	734	362	227
155°	411	609	411	609	411	189
165°	449	531	449	531	449	127
175°	468	478	468	478	468	44
180°	469	469	469	469	469	

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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°	1.9	3.8	5.7	8.6	10.5	11.4	12.4	15.2	18.1	20.9	23.8
92.5°	14.3	20.9	30.4	39.0	48.5	57.0	65.6	96.0	146.3	195.7	176.7
95°	32.3	35.2	45.6	61.8	86.5	105.0	123.5	204.3	345.8	501.6	563.4
97.5°	51.3	52.3	60.8	75.1	99.8	120.2	140.6	220.4	384.8	647.0	866.5
100°	70.3	71.3	77.9	91.2	114.0	132.6	151.1	217.6	358.2	608.0	899.7
102.5°	90.3	92.2	97.9	110.2	130.2	146.8	163.4	221.4	335.4	551.0	838.0
105°	110.2	113.1	118.8	130.2	148.2	163.0	177.7	229.0	326.8	506.4	763.9
107.5°	131.1	134.0	139.7	151.1	168.2	182.0	195.7	241.3	324.9	474.1	698.3
110°	153.9	156.8	161.5	172.0	188.1	201.4	214.7	257.5	329.7	457.0	644.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	174.8	177.7	182.4	192.9	209.0	221.8	234.7	273.6	339.2	447.5	608.0
115°	194.8	198.6	204.3	213.8	229.9	242.8	255.6	291.7	349.6	446.5	584.3
117.5°	214.7	219.5	224.2	232.8	250.8	262.7	274.6	310.7	362.9	447.5	568.1
120°	235.6	238.5	243.2	252.7	270.8	282.6	294.5	328.7	378.1	451.3	557.7
122.5°	253.7	256.5	261.3	271.7	288.8	301.6	314.5	347.7	392.4	457.9	551.0
125°	270.8	272.7	278.4	288.8	306.9	319.7	332.5	365.8	407.6	464.6	545.3
127.5°	284.1	286.9	293.6	304.0	324.0	336.8	349.6	381.9	419.9	472.2	542.5
130°	296.4	299.3	307.8	319.2	339.2	352.0	364.8	396.2	432.3	479.8	539.6
132.5°	305.9	309.7	319.2	333.5	353.4	365.8	378.1	408.5	443.7	485.5	538.7
135°	317.3	321.1	331.6	345.8	365.8	378.6	391.4	420.9	453.2	491.2	537.7
137.5°	327.8	331.6	342.0	357.2	377.2	389.0	400.9	429.4	460.8	495.0	535.8
140°	338.2	343.0	352.5	367.7	386.7	398.5	410.4	438.0	466.5	498.8	534.9
142.5°	349.6	353.4	363.9	377.2	396.2	407.1	418.0	444.6	472.2	501.6	533.0
145°	362.0	364.8	373.4	387.6	403.8	414.7	425.6	450.3	476.0	502.6	531.1
147.5°	374.3	376.2	384.8	397.1	413.3	422.8	432.3	455.1	478.8	502.6	528.2
150°	386.7	387.6	395.2	407.6	420.9	429.4	438.0	459.8	479.8	502.6	524.4
152.5°	399.0	399.0	406.6	417.1	428.5	436.6	444.6	462.7	481.7	499.7	519.7
155°	411.4	411.4	417.1	426.6	437.0	443.6	450.3	466.5	481.7	497.8	514.0
157.5°	420.9	421.8	426.6	435.1	444.6	449.8	455.1	468.4	482.6	495.0	509.2
160°	432.3	432.3	436.1	443.7	450.3	455.0	459.8	471.2	482.6	493.1	503.5
162.5°	440.8	440.8	443.7	449.4	455.1	458.9	462.7	472.2	481.7	489.3	497.8
165°	449.4	448.4	450.3	455.1	458.9	462.2	465.5	473.1	479.8	485.5	492.1
167.5°	456.0	455.1	456.0	459.8	462.7	465.0	467.4	473.1	478.8	481.7	486.4
170°	461.7	459.8	460.8	463.6	465.5	466.4	467.4	472.2	476.0	477.9	480.7
172.5°	465.5	464.6	464.6	466.5	467.4	467.9	468.4	472.2	475.0	475.0	476.0
175°	468.4	467.4	466.5	468.4	468.4	468.8	469.3	471.2	473.1	472.2	472.2
177.5°	470.3	469.3	468.4	469.3	469.3	469.3	469.3	470.3	472.2	470.3	469.3
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

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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°	22.8	23.8	24.7	25.7	26.6	27.6	26.6	27.6	28.5	27.6	28.5
92.5°	132.1	94.1	73.2	63.7	60.4	57.0	55.1	51.3	52.3	50.4	52.3
95°	457.0	342.0	231.8	181.5	164.4	147.3	129.2	120.7	114.0	110.2	114.0
97.5°	895.9	785.7	592.8	467.4	413.2	359.1	295.5	259.4	236.6	226.1	236.6
100°	1086.9	1120.1	1043.2	932.0	864.6	797.1	701.2	631.8	594.7	595.7	594.7
102.5°	1096.4	1231.3	1247.4	1194.2	1157.6	1121.1	1051.7	1000.4	971.0	943.4	971.0
105°	1036.5	1235.1	1330.1	1348.2	1335.8	1323.5	1279.8	1243.6	1213.2	1208.5	1213.2
107.5°	951.0	1178.1	1327.3	1401.4	1414.2	1427.0	1421.3	1404.2	1391.9	1381.4	1391.9
110°	871.2	1088.8	1263.6	1383.3	1416.6	1449.8	1476.4	1484.0	1482.1	1480.2	1482.1

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	801.9	1000.4	1180.0	1317.8	1362.9	1408.0	1462.2	1489.7	1499.2	1500.2	1499.2
115°	748.7	924.4	1089.7	1229.4	1281.2	1333.0	1404.2	1446.0	1465.0	1469.8	1465.0
117.5°	713.5	865.5	1011.8	1140.1	1193.8	1247.4	1321.6	1368.1	1396.6	1403.3	1396.6
120°	686.9	820.9	949.1	1063.1	1111.1	1159.1	1234.1	1287.4	1310.2	1315.9	1310.2
122.5°	665.1	785.7	898.8	1002.3	1046.0	1089.7	1154.3	1200.9	1226.5	1234.1	1226.5
125°	647.0	755.3	858.9	950.1	988.1	1026.1	1086.9	1128.7	1152.4	1159.1	1152.4
127.5°	629.9	727.8	821.8	905.4	940.6	975.7	1030.8	1066.9	1088.8	1094.5	1088.8
130°	616.6	702.1	787.6	864.6	896.9	929.2	979.5	1013.7	1033.7	1041.3	1033.7
132.5°	604.2	678.4	755.3	825.6	856.0	886.4	933.0	967.2	984.3	989.0	984.3
135°	593.8	657.5	724.9	786.7	813.8	840.8	887.4	915.9	933.0	939.6	933.0
137.5°	584.3	637.5	694.5	749.6	773.8	798.1	838.0	867.4	881.7	887.4	881.7
140°	575.7	620.4	668.9	714.5	734.9	755.3	791.4	818.0	833.2	832.3	833.2
142.5°	568.1	604.2	644.2	682.2	699.3	716.4	745.8	768.6	781.9	781.0	781.9
145°	561.5	591.9	623.2	653.7	667.4	681.2	705.0	724.9	732.5	734.4	732.5
147.5°	554.8	581.4	607.1	632.8	642.8	652.7	671.7	686.0	693.6	694.5	693.6
150°	548.2	570.0	591.9	611.8	620.8	629.9	644.2	654.6	660.3	660.3	660.3
152.5°	540.6	559.6	577.6	594.7	601.8	609.0	619.4	628.9	631.8	631.8	631.8
155°	533.0	549.1	564.3	578.6	584.3	590.0	598.5	606.1	608.0	609.0	608.0
157.5°	524.4	537.7	551.0	562.4	567.2	571.9	579.5	585.2	587.1	587.1	587.1
160°	515.9	528.2	538.7	548.2	551.5	554.8	561.5	567.2	567.2	566.2	567.2
162.5°	507.3	516.8	525.4	533.9	536.8	539.6	543.4	548.2	548.2	547.2	548.2
165°	499.7	507.3	513.0	519.7	522.0	524.4	528.2	532.0	531.1	531.1	531.1
167.5°	492.1	498.8	503.5	507.3	509.2	511.1	513.0	515.9	514.9	514.9	514.9
170°	485.5	490.2	493.1	496.9	497.8	498.8	499.7	501.6	500.7	500.7	500.7
172.5°	478.8	482.6	484.5	487.4	487.8	488.3	488.3	490.2	488.3	487.4	488.3
175°	474.1	476.0	476.9	478.8	478.8	478.8	478.8	479.8	478.8	477.9	478.8
177.5°	470.3	471.2	472.2	473.1	473.1	473.1	472.2	473.1	471.2	471.2	471.2
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

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°	27.6	26.6	27.6	26.6	25.7	24.7	23.8	22.8	23.8	20.9	18.1
92.5°	51.3	55.1	57.0	60.4	63.7	73.2	94.1	132.1	176.7	195.7	146.3
95°	120.7	129.2	147.3	164.4	181.5	231.8	342.0	457.0	563.4	501.6	345.8
97.5°	259.4	295.5	359.1	413.2	467.4	592.8	785.7	895.9	866.5	647.0	384.8
100°	631.8	701.2	797.1	864.6	932.0	1043.2	1120.1	1086.9	899.7	608.0	358.2
102.5°	1000.4	1051.7	1121.1	1157.6	1194.2	1247.4	1231.3	1096.4	838.0	551.0	335.4
105°	1243.6	1279.8	1323.5	1335.8	1348.2	1330.1	1235.1	1036.5	763.9	506.4	326.8
107.5°	1404.2	1421.3	1427.0	1414.2	1401.4	1327.3	1178.1	951.0	698.3	474.1	324.9
110°	1484.0	1476.4	1449.8	1416.6	1383.3	1263.6	1088.8	871.2	644.2	457.0	329.7

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1489.7	1462.2	1408.0	1362.9	1317.8	1180.0	1000.4	801.9	608.0	447.5	339.2
115°	1446.0	1404.2	1333.0	1281.2	1229.4	1089.7	924.4	748.7	584.3	446.5	349.6
117.5°	1368.1	1321.6	1247.4	1193.8	1140.1	1011.8	865.5	713.5	568.1	447.5	362.9
120°	1287.4	1234.1	1159.1	1111.1	1063.1	949.1	820.9	686.9	557.7	451.3	378.1
122.5°	1200.9	1154.3	1089.7	1046.0	1002.3	898.8	785.7	665.1	551.0	457.9	392.4
125°	1128.7	1086.9	1026.1	988.1	950.1	858.9	755.3	647.0	545.3	464.6	407.6
127.5°	1066.9	1030.8	975.7	940.6	905.4	821.8	727.8	629.9	542.5	472.2	419.9
130°	1013.7	979.5	929.2	896.9	864.6	787.6	702.1	616.6	539.6	479.8	432.3
132.5°	967.2	933.0	886.4	856.0	825.6	755.3	678.4	604.2	538.7	485.5	443.7
135°	915.9	887.4	840.8	813.8	786.7	724.9	657.5	593.8	537.7	491.2	453.2
137.5°	867.4	838.0	798.1	773.8	749.6	694.5	637.5	584.3	535.8	495.0	460.8
140°	818.0	791.4	755.3	734.9	714.5	668.9	620.4	575.7	534.9	498.8	466.5
142.5°	768.6	745.8	716.4	699.3	682.2	644.2	604.2	568.1	533.0	501.6	472.2
145°	724.9	705.0	681.2	667.4	653.7	623.2	591.9	561.5	531.1	502.6	476.0
147.5°	686.0	671.7	652.7	642.8	632.8	607.1	581.4	554.8	528.2	502.6	478.8
150°	654.6	644.2	629.9	620.8	611.8	591.9	570.0	548.2	524.4	502.6	479.8
152.5°	628.9	619.4	609.0	601.8	594.7	577.6	559.6	540.6	519.7	499.7	481.7
155°	606.1	598.5	590.0	584.3	578.6	564.3	549.1	533.0	514.0	497.8	481.7
157.5°	585.2	579.5	571.9	567.2	562.4	551.0	537.7	524.4	509.2	495.0	482.6
160°	567.2	561.5	554.8	551.5	548.2	538.7	528.2	515.9	503.5	493.1	482.6
162.5°	548.2	543.4	539.6	536.8	533.9	525.4	516.8	507.3	497.8	489.3	481.7
165°	532.0	528.2	524.4	522.0	519.7	513.0	507.3	499.7	492.1	485.5	479.8
167.5°	515.9	513.0	511.1	509.2	507.3	503.5	498.8	492.1	486.4	481.7	478.8
170°	501.6	499.7	498.8	497.8	496.9	493.1	490.2	485.5	480.7	477.9	476.0
172.5°	490.2	488.3	488.3	487.8	487.4	484.5	482.6	478.8	476.0	475.0	475.0
175°	479.8	478.8	478.8	478.8	478.8	476.9	476.0	474.1	472.2	472.2	473.1
177.5°	473.1	472.2	473.1	473.1	473.1	472.2	471.2	470.3	469.3	470.3	472.2
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

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°	15.2	12.4	11.4	10.5	8.6	5.7	3.8	1.9	3.8	5.7	8.6
92.5°	96.0	65.6	57.0	48.5	39.0	30.4	20.9	14.3	20.9	30.4	39.0
95°	204.3	123.5	105.0	86.5	61.8	45.6	35.2	32.3	35.2	45.6	61.8
97.5°	220.4	140.6	120.2	99.8	75.1	60.8	52.3	51.3	52.3	60.8	75.1
100°	217.6	151.1	132.6	114.0	91.2	77.9	71.3	70.3	71.3	77.9	91.2
102.5°	221.4	163.4	146.8	130.2	110.2	97.9	92.2	90.3	92.2	97.9	110.2
105°	229.0	177.7	163.0	148.2	130.2	118.8	113.1	110.2	113.1	118.8	130.2
107.5°	241.3	195.7	182.0	168.2	151.1	139.7	134.0	131.1	134.0	139.7	151.1
110°	257.5	214.7	201.4	188.1	172.0	161.5	156.8	153.9	156.8	161.5	172.0

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	273.6	234.7	221.8	209.0	192.9	182.4	177.7	174.8	177.7	182.4	192.9
115°	291.7	255.6	242.8	229.9	213.8	204.3	198.6	194.8	198.6	204.3	213.8
117.5°	310.7	274.6	262.7	250.8	232.8	224.2	219.5	214.7	219.5	224.2	232.8
120°	328.7	294.5	282.6	270.8	252.7	243.2	238.5	235.6	238.5	243.2	252.7
122.5°	347.7	314.5	301.6	288.8	271.7	261.3	256.5	253.7	256.5	261.3	271.7
125°	365.8	332.5	319.7	306.9	288.8	278.4	272.7	270.8	272.7	278.4	288.8
127.5°	381.9	349.6	336.8	324.0	304.0	293.6	286.9	284.1	286.9	293.6	304.0
130°	396.2	364.8	352.0	339.2	319.2	307.8	299.3	296.4	299.3	307.8	319.2
132.5°	408.5	378.1	365.8	353.4	333.5	319.2	309.7	305.9	309.7	319.2	333.5
135°	420.9	391.4	378.6	365.8	345.8	331.6	321.1	317.3	321.1	331.6	345.8
137.5°	429.4	400.9	389.0	377.2	357.2	342.0	331.6	327.8	331.6	342.0	357.2
140°	438.0	410.4	398.5	386.7	367.7	352.5	343.0	338.2	343.0	352.5	367.7
142.5°	444.6	418.0	407.1	396.2	377.2	363.9	353.4	349.6	353.4	363.9	377.2
145°	450.3	425.6	414.7	403.8	387.6	373.4	364.8	362.0	364.8	373.4	387.6
147.5°	455.1	432.3	422.8	413.3	397.1	384.8	376.2	374.3	376.2	384.8	397.1
150°	459.8	438.0	429.4	420.9	407.6	395.2	387.6	386.7	387.6	395.2	407.6
152.5°	462.7	444.6	436.6	428.5	417.1	406.6	399.0	399.0	399.0	406.6	417.1
155°	466.5	450.3	443.6	437.0	426.6	417.1	411.4	411.4	411.4	417.1	426.6
157.5°	468.4	455.1	449.8	444.6	435.1	426.6	421.8	420.9	421.8	426.6	435.1
160°	471.2	459.8	455.0	450.3	443.7	436.1	432.3	432.3	432.3	436.1	443.7
162.5°	472.2	462.7	458.9	455.1	449.4	443.7	440.8	440.8	440.8	443.7	449.4
165°	473.1	465.5	462.2	458.9	455.1	450.3	448.4	449.4	448.4	450.3	455.1
167.5°	473.1	467.4	465.0	462.7	459.8	456.0	455.1	456.0	455.1	456.0	459.8
170°	472.2	467.4	466.4	465.5	463.6	460.8	459.8	461.7	459.8	460.8	463.6
172.5°	472.2	468.4	467.9	467.4	466.5	464.6	464.6	465.5	464.6	464.6	466.5
175°	471.2	469.3	468.8	468.4	468.4	466.5	467.4	468.4	467.4	466.5	468.4
177.5°	470.3	469.3	469.3	469.3	469.3	468.4	469.3	470.3	469.3	468.4	469.3
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

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°	10.5	11.4	12.4	15.2	18.1	20.9	23.8	22.8	23.8	24.7	25.7
92.5°	48.5	57.0	65.6	96.0	146.3	195.7	176.7	132.1	94.1	73.2	63.7
95°	86.5	105.0	123.5	204.3	345.8	501.6	563.4	457.0	342.0	231.8	181.5
97.5°	99.8	120.2	140.6	220.4	384.8	647.0	866.5	895.9	785.7	592.8	467.4
100°	114.0	132.6	151.1	217.6	358.2	608.0	899.7	1086.9	1120.1	1043.2	932.0
102.5°	130.2	146.8	163.4	221.4	335.4	551.0	838.0	1096.4	1231.3	1247.4	1194.2
105°	148.2	163.0	177.7	229.0	326.8	506.4	763.9	1036.5	1235.1	1330.1	1348.2
107.5°	168.2	182.0	195.7	241.3	324.9	474.1	698.3	951.0	1178.1	1327.3	1401.4
110°	188.1	201.4	214.7	257.5	329.7	457.0	644.2	871.2	1088.8	1263.6	1383.3

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	209.0	221.8	234.7	273.6	339.2	447.5	608.0	801.9	1000.4	1180.0	1317.8
115°	229.9	242.8	255.6	291.7	349.6	446.5	584.3	748.7	924.4	1089.7	1229.4
117.5°	250.8	262.7	274.6	310.7	362.9	447.5	568.1	713.5	865.5	1011.8	1140.1
120°	270.8	282.6	294.5	328.7	378.1	451.3	557.7	686.9	820.9	949.1	1063.1
122.5°	288.8	301.6	314.5	347.7	392.4	457.9	551.0	665.1	785.7	898.8	1002.3
125°	306.9	319.7	332.5	365.8	407.6	464.6	545.3	647.0	755.3	858.9	950.1
127.5°	324.0	336.8	349.6	381.9	419.9	472.2	542.5	629.9	727.8	821.8	905.4
130°	339.2	352.0	364.8	396.2	432.3	479.8	539.6	616.6	702.1	787.6	864.6
132.5°	353.4	365.8	378.1	408.5	443.7	485.5	538.7	604.2	678.4	755.3	825.6
135°	365.8	378.6	391.4	420.9	453.2	491.2	537.7	593.8	657.5	724.9	786.7
137.5°	377.2	389.0	400.9	429.4	460.8	495.0	535.8	584.3	637.5	694.5	749.6
140°	386.7	398.5	410.4	438.0	466.5	498.8	534.9	575.7	620.4	668.9	714.5
142.5°	396.2	407.1	418.0	444.6	472.2	501.6	533.0	568.1	604.2	644.2	682.2
145°	403.8	414.7	425.6	450.3	476.0	502.6	531.1	561.5	591.9	623.2	653.7
147.5°	413.3	422.8	432.3	455.1	478.8	502.6	528.2	554.8	581.4	607.1	632.8
150°	420.9	429.4	438.0	459.8	479.8	502.6	524.4	548.2	570.0	591.9	611.8
152.5°	428.5	436.6	444.6	462.7	481.7	499.7	519.7	540.6	559.6	577.6	594.7
155°	437.0	443.6	450.3	466.5	481.7	497.8	514.0	533.0	549.1	564.3	578.6
157.5°	444.6	449.8	455.1	468.4	482.6	495.0	509.2	524.4	537.7	551.0	562.4
160°	450.3	455.0	459.8	471.2	482.6	493.1	503.5	515.9	528.2	538.7	548.2
162.5°	455.1	458.9	462.7	472.2	481.7	489.3	497.8	507.3	516.8	525.4	533.9
165°	458.9	462.2	465.5	473.1	479.8	485.5	492.1	499.7	507.3	513.0	519.7
167.5°	462.7	465.0	467.4	473.1	478.8	481.7	486.4	492.1	498.8	503.5	507.3
170°	465.5	466.4	467.4	472.2	476.0	477.9	480.7	485.5	490.2	493.1	496.9
172.5°	467.4	467.9	468.4	472.2	475.0	475.0	476.0	478.8	482.6	484.5	487.4
175°	468.4	468.8	469.3	471.2	473.1	472.2	472.2	474.1	476.0	476.9	478.8
177.5°	469.3	469.3	469.3	470.3	472.2	470.3	469.3	470.3	471.2	472.2	473.1
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

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°	26.6	27.6	26.6	27.6	28.5	27.6	28.5	27.6	26.6	27.6	26.6
92.5°	60.4	57.0	55.1	51.3	52.3	50.4	52.3	51.3	55.1	57.0	60.4
95°	164.4	147.3	129.2	120.7	114.0	110.2	114.0	120.7	129.2	147.3	164.4
97.5°	413.2	359.1	295.5	259.4	236.6	226.1	236.6	259.4	295.5	359.1	413.2
100°	864.6	797.1	701.2	631.8	594.7	595.7	594.7	631.8	701.2	797.1	864.6
102.5°	1157.6	1121.1	1051.7	1000.4	971.0	943.4	971.0	1000.4	1051.7	1121.1	1157.6
105°	1335.8	1323.5	1279.8	1243.6	1213.2	1208.5	1213.2	1243.6	1279.8	1323.5	1335.8
107.5°	1414.2	1427.0	1421.3	1404.2	1391.9	1381.4	1391.9	1404.2	1421.3	1427.0	1414.2
110°	1416.6	1449.8	1476.4	1484.0	1482.1	1480.2	1482.1	1484.0	1476.4	1449.8	1416.6

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1362.9	1408.0	1462.2	1489.7	1499.2	1500.2	1499.2	1489.7	1462.2	1408.0	1362.9
115°	1281.2	1333.0	1404.2	1446.0	1465.0	1469.8	1465.0	1446.0	1404.2	1333.0	1281.2
117.5°	1193.8	1247.4	1321.6	1368.1	1396.6	1403.3	1396.6	1368.1	1321.6	1247.4	1193.8
120°	1111.1	1159.1	1234.1	1287.4	1310.2	1315.9	1310.2	1287.4	1234.1	1159.1	1111.1
122.5°	1046.0	1089.7	1154.3	1200.9	1226.5	1234.1	1226.5	1200.9	1154.3	1089.7	1046.0
125°	988.1	1026.1	1086.9	1128.7	1152.4	1159.1	1152.4	1128.7	1086.9	1026.1	988.1
127.5°	940.6	975.7	1030.8	1066.9	1088.8	1094.5	1088.8	1066.9	1030.8	975.7	940.6
130°	896.9	929.2	979.5	1013.7	1033.7	1041.3	1033.7	1013.7	979.5	929.2	896.9
132.5°	856.0	886.4	933.0	967.2	984.3	989.0	984.3	967.2	933.0	886.4	856.0
135°	813.8	840.8	887.4	915.9	933.0	939.6	933.0	915.9	887.4	840.8	813.8
137.5°	773.8	798.1	838.0	867.4	881.7	887.4	881.7	867.4	838.0	798.1	773.8
140°	734.9	755.3	791.4	818.0	833.2	832.3	833.2	818.0	791.4	755.3	734.9
142.5°	699.3	716.4	745.8	768.6	781.9	781.0	781.9	768.6	745.8	716.4	699.3
145°	667.4	681.2	705.0	724.9	732.5	734.4	732.5	724.9	705.0	681.2	667.4
147.5°	642.8	652.7	671.7	686.0	693.6	694.5	693.6	686.0	671.7	652.7	642.8
150°	620.8	629.9	644.2	654.6	660.3	660.3	660.3	654.6	644.2	629.9	620.8
152.5°	601.8	609.0	619.4	628.9	631.8	631.8	631.8	628.9	619.4	609.0	601.8
155°	584.3	590.0	598.5	606.1	608.0	609.0	608.0	606.1	598.5	590.0	584.3
157.5°	567.2	571.9	579.5	585.2	587.1	587.1	587.1	585.2	579.5	571.9	567.2
160°	551.5	554.8	561.5	567.2	567.2	566.2	567.2	567.2	561.5	554.8	551.5
162.5°	536.8	539.6	543.4	548.2	548.2	547.2	548.2	548.2	543.4	539.6	536.8
165°	522.0	524.4	528.2	532.0	531.1	531.1	531.1	532.0	528.2	524.4	522.0
167.5°	509.2	511.1	513.0	515.9	514.9	514.9	514.9	515.9	513.0	511.1	509.2
170°	497.8	498.8	499.7	501.6	500.7	500.7	500.7	501.6	499.7	498.8	497.8
172.5°	487.8	488.3	488.3	490.2	488.3	487.4	488.3	490.2	488.3	488.3	487.8
175°	478.8	478.8	478.8	479.8	478.8	477.9	478.8	479.8	478.8	478.8	478.8
177.5°	473.1	473.1	472.2	473.1	471.2	471.2	471.2	473.1	472.2	473.1	473.1
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011057

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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°	25.7	24.7	23.8	22.8	23.8	20.9	18.1	15.2	12.4	11.4	10.5
92.5°	63.7	73.2	94.1	132.1	176.7	195.7	146.3	96.0	65.6	57.0	48.5
95°	181.5	231.8	342.0	457.0	563.4	501.6	345.8	204.3	123.5	105.0	86.5
97.5°	467.4	592.8	785.7	895.9	866.5	647.0	384.8	220.4	140.6	120.2	99.8
100°	932.0	1043.2	1120.1	1086.9	899.7	608.0	358.2	217.6	151.1	132.6	114.0
102.5°	1194.2	1247.4	1231.3	1096.4	838.0	551.0	335.4	221.4	163.4	146.8	130.2
105°	1348.2	1330.1	1235.1	1036.5	763.9	506.4	326.8	229.0	177.7	163.0	148.2
107.5°	1401.4	1327.3	1178.1	951.0	698.3	474.1	324.9	241.3	195.7	182.0	168.2
110°	1383.3	1263.6	1088.8	871.2	644.2	457.0	329.7	257.5	214.7	201.4	188.1

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1317.8	1180.0	1000.4	801.9	608.0	447.5	339.2	273.6	234.7	221.8	209.0
115°	1229.4	1089.7	924.4	748.7	584.3	446.5	349.6	291.7	255.6	242.8	229.9
117.5°	1140.1	1011.8	865.5	713.5	568.1	447.5	362.9	310.7	274.6	262.7	250.8
120°	1063.1	949.1	820.9	686.9	557.7	451.3	378.1	328.7	294.5	282.6	270.8
122.5°	1002.3	898.8	785.7	665.1	551.0	457.9	392.4	347.7	314.5	301.6	288.8
125°	950.1	858.9	755.3	647.0	545.3	464.6	407.6	365.8	332.5	319.7	306.9
127.5°	905.4	821.8	727.8	629.9	542.5	472.2	419.9	381.9	349.6	336.8	324.0
130°	864.6	787.6	702.1	616.6	539.6	479.8	432.3	396.2	364.8	352.0	339.2
132.5°	825.6	755.3	678.4	604.2	538.7	485.5	443.7	408.5	378.1	365.8	353.4
135°	786.7	724.9	657.5	593.8	537.7	491.2	453.2	420.9	391.4	378.6	365.8
137.5°	749.6	694.5	637.5	584.3	535.8	495.0	460.8	429.4	400.9	389.0	377.2
140°	714.5	668.9	620.4	575.7	534.9	498.8	466.5	438.0	410.4	398.5	386.7
142.5°	682.2	644.2	604.2	568.1	533.0	501.6	472.2	444.6	418.0	407.1	396.2
145°	653.7	623.2	591.9	561.5	531.1	502.6	476.0	450.3	425.6	414.7	403.8
147.5°	632.8	607.1	581.4	554.8	528.2	502.6	478.8	455.1	432.3	422.8	413.3
150°	611.8	591.9	570.0	548.2	524.4	502.6	479.8	459.8	438.0	429.4	420.9
152.5°	594.7	577.6	559.6	540.6	519.7	499.7	481.7	462.7	444.6	436.6	428.5
155°	578.6	564.3	549.1	533.0	514.0	497.8	481.7	466.5	450.3	443.6	437.0
157.5°	562.4	551.0	537.7	524.4	509.2	495.0	482.6	468.4	455.1	449.8	444.6
160°	548.2	538.7	528.2	515.9	503.5	493.1	482.6	471.2	459.8	455.0	450.3
162.5°	533.9	525.4	516.8	507.3	497.8	489.3	481.7	472.2	462.7	458.9	455.1
165°	519.7	513.0	507.3	499.7	492.1	485.5	479.8	473.1	465.5	462.2	458.9
167.5°	507.3	503.5	498.8	492.1	486.4	481.7	478.8	473.1	467.4	465.0	462.7
170°	496.9	493.1	490.2	485.5	480.7	477.9	476.0	472.2	467.4	466.4	465.5
172.5°	487.4	484.5	482.6	478.8	476.0	475.0	475.0	472.2	468.4	467.9	467.4
175°	478.8	476.9	476.0	474.1	472.2	472.2	473.1	471.2	469.3	468.8	468.4
177.5°	473.1	472.2	471.2	470.3	469.3	470.3	472.2	470.3	469.3	469.3	469.3
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011057

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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	5.7	3.8	1.9
92.5°	39.0	30.4	20.9	14.3
95°	61.8	45.6	35.2	32.3
97.5°	75.1	60.8	52.3	51.3
100°	91.2	77.9	71.3	70.3
102.5°	110.2	97.9	92.2	90.3
105°	130.2	118.8	113.1	110.2
107.5°	151.1	139.7	134.0	131.1
110°	172.0	161.5	156.8	153.9

TEST NUMBER: P1011057

CATALOG NUMBER: S123DIP-B1000D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	192.9	182.4	177.7	174.8
115°	213.8	204.3	198.6	194.8
117.5°	232.8	224.2	219.5	214.7
120°	252.7	243.2	238.5	235.6
122.5°	271.7	261.3	256.5	253.7
125°	288.8	278.4	272.7	270.8
127.5°	304.0	293.6	286.9	284.1
130°	319.2	307.8	299.3	296.4
132.5°	333.5	319.2	309.7	305.9
135°	345.8	331.6	321.1	317.3
137.5°	357.2	342.0	331.6	327.8
140°	367.7	352.5	343.0	338.2
142.5°	377.2	363.9	353.4	349.6
145°	387.6	373.4	364.8	362.0
147.5°	397.1	384.8	376.2	374.3
150°	407.6	395.2	387.6	386.7
152.5°	417.1	406.6	399.0	399.0
155°	426.6	417.1	411.4	411.4
157.5°	435.1	426.6	421.8	420.9
160°	443.7	436.1	432.3	432.3
162.5°	449.4	443.7	440.8	440.8
165°	455.1	450.3	448.4	449.4
167.5°	459.8	456.0	455.1	456.0
170°	463.6	460.8	459.8	461.7
172.5°	466.5	464.6	464.6	465.5
175°	468.4	466.5	467.4	468.4
177.5°	469.3	468.4	469.3	470.3
180°	469.3	469.3	469.3	469.3

(END OF REPORT)