

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: P1012031

Luminaire Tested: S123DIP-B775D585UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012031
REPORT IS A COMBINATION OF REPORTS P990401 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D585UB27-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

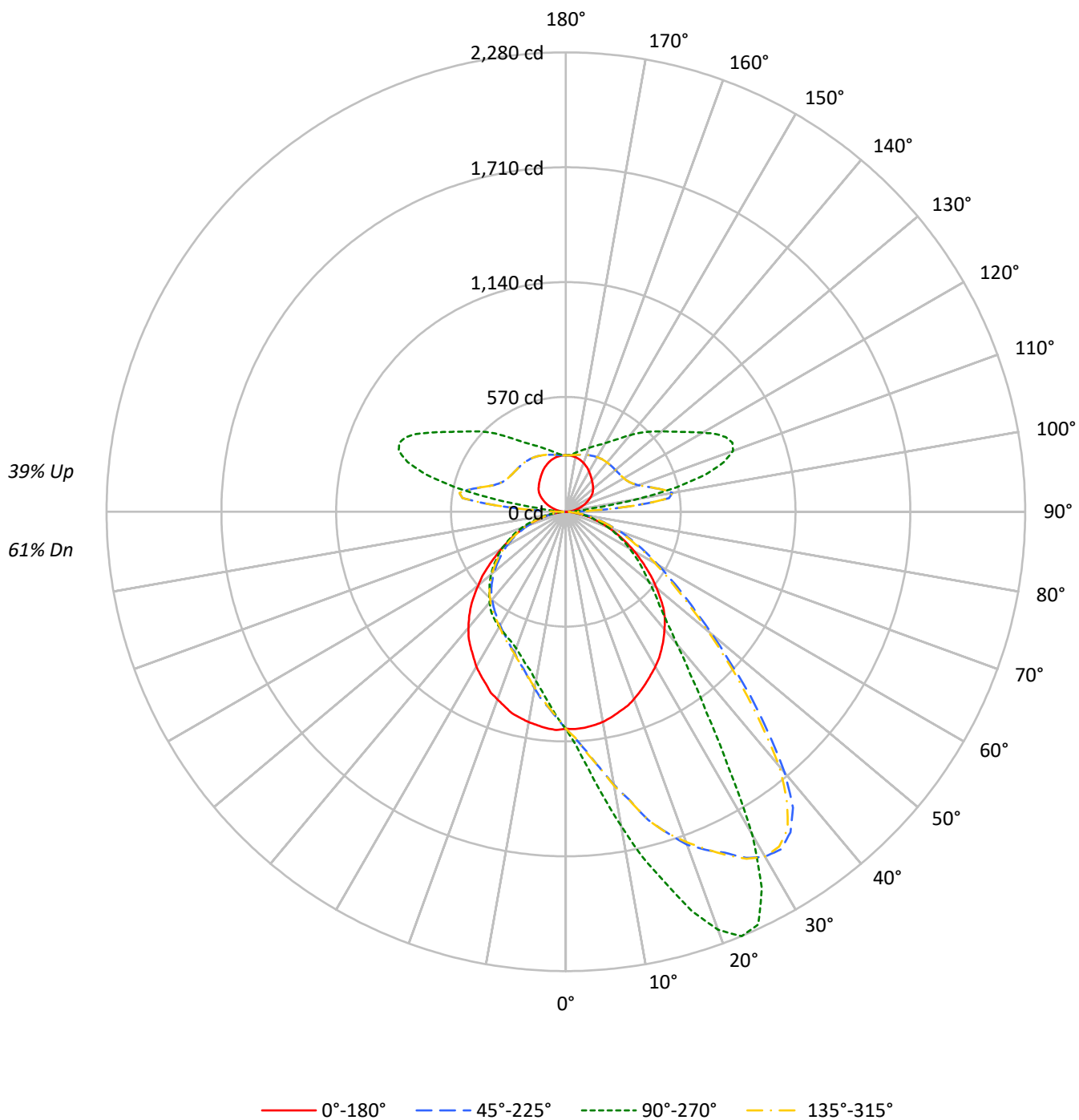
Lumens per Lamp: N/A
Luminaire Lumens: 5357.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 51.3
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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66
1	101	96	92	89	94	90	87	84	79	76	74	68	67	65	59	58	56
2	92	84	78	73	86	79	74	69	69	65	62	60	57	55	52	50	48
3	84	75	67	61	78	70	64	58	62	57	52	54	50	47	46	44	41
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	38	36
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31
6	65	53	45	39	61	50	43	37	44	39	34	39	34	31	34	31	28
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	27	25
8	56	44	36	31	52	41	34	29	37	31	27	33	28	24	29	25	22
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18693 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	2.0
10°-20°	340.1	6.3
20°-30°	572.3	10.7
30°-40°	646.8	12.1
40°-50°	579.3	10.8
50°-60°	467.6	8.7
60°-70°	325.9	6.1
70°-80°	171.0	3.2
80°-90°	42.6	0.8
90°-100°	151.9	2.8
100°-110°	444.7	8.3
110°-120°	434.2	8.1
120°-130°	345.8	6.5
130°-140°	272.8	5.1
140°-150°	203.5	3.8
150°-160°	141.9	2.6
160°-170°	83.4	1.6
170°-180°	27.1	0.5
0°-30°	1018.4	19.0
0°-40°	1665.2	31.1
0°-60°	2712.1	50.6
0°-90°	3251.5	60.7
90°-120°	1030.8	19.2
90°-150°	1853.0	34.6
90°-180°	2105.0	39.3
0°-180°	5357.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1077	1077	1077	1077	1077	
5°	1076	1279	1079	955	1076	102
15°	1027	1904	1035	778	1027	290
25°	939	2260	941	688	939	433
35°	828	1218	823	631	828	518
45°	688	657	668	536	688	526
55°	487	447	468	426	487	436
65°	302	290	287	300	302	300
75°	145	149	136	161	145	156
85°	31	34	25	31	31	36
90°	1	16	1	16	1	4
95°	19	66	19	66	19	20
105°	66	721	66	721	66	70
115°	116	876	116	876	116	115
125°	162	691	162	691	162	143
135°	189	560	189	560	189	146
145°	216	438	216	438	216	135
155°	245	363	245	363	245	113
165°	268	317	268	317	268	76
175°	279	285	279	285	279	27
180°	280	280	280	280	280	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1079.9	1088.3	1092.5	1098.7	1105.0	1114.4	1117.5	1122.7	1120.6	1124.8	1126.9
5°	1075.8	1090.4	1102.9	1118.6	1133.2	1143.6	1154.0	1170.7	1183.2	1185.3	1194.7
7.5°	1068.5	1089.3	1111.2	1133.2	1161.3	1178.0	1196.8	1219.8	1238.5	1268.8	1280.3
10°	1059.1	1088.3	1119.6	1149.9	1188.5	1214.5	1237.5	1276.1	1314.7	1346.0	1375.2
12.5°	1044.5	1081.0	1121.7	1166.5	1216.6	1246.9	1278.2	1329.3	1387.8	1435.8	1467.1
15°	1026.7	1072.6	1124.8	1172.8	1228.1	1284.5	1317.8	1375.2	1458.7	1503.6	1583.9
17.5°	1012.1	1059.1	1111.2	1186.4	1261.5	1317.8	1341.8	1447.2	1504.6	1579.7	1670.5
20°	989.2	1048.6	1115.4	1190.5	1287.6	1322.0	1371.1	1477.5	1548.4	1646.5	1758.2
22.5°	965.2	1028.8	1109.2	1187.4	1295.9	1332.5	1399.2	1483.8	1596.4	1693.5	1816.6
25°	939.1	1007.9	1089.3	1182.2	1288.6	1341.8	1404.5	1508.8	1630.9	1753.0	1866.7
27.5°	913.0	988.1	1072.6	1165.5	1268.8	1331.4	1394.0	1502.5	1659.0	1791.6	1936.6
30°	888.0	963.1	1047.6	1142.6	1251.1	1311.6	1371.1	1506.7	1681.0	1830.2	1976.2
32.5°	860.8	938.0	1026.7	1106.0	1215.6	1280.3	1347.1	1506.7	1694.5	1853.1	1986.7
35°	828.5	907.8	983.9	1063.3	1171.8	1243.8	1318.9	1496.3	1707.0	1860.4	1942.9
37.5°	797.2	867.1	932.8	1010.0	1123.8	1201.0	1287.6	1483.8	1700.8	1829.1	1852.1
40°	761.7	831.6	884.8	956.8	1076.8	1166.5	1254.2	1467.1	1673.7	1755.0	1688.3
42.5°	727.3	782.6	828.5	898.4	1028.8	1116.5	1211.4	1436.8	1620.4	1637.1	1486.9
45°	687.6	727.3	768.0	847.3	976.6	1066.4	1171.8	1393.0	1534.9	1486.9	1297.0
47.5°	636.5	672.0	716.8	789.9	921.3	1014.2	1114.4	1336.6	1410.7	1310.5	1102.9
50°	587.4	617.7	659.4	730.4	862.9	953.7	1060.1	1247.9	1284.5	1126.9	950.6
52.5°	538.4	561.4	602.1	673.0	805.5	893.2	990.2	1157.2	1136.3	967.3	810.7
55°	487.3	507.1	545.7	615.6	738.7	822.2	915.1	1045.5	991.3	830.6	705.4
57.5°	437.2	458.1	497.7	556.1	672.0	753.4	827.4	929.7	848.3	720.0	609.4
60°	392.3	410.1	440.3	497.7	603.1	668.8	736.7	806.6	738.7	614.6	530.1
62.5°	345.4	362.1	390.2	442.4	533.2	591.6	645.9	703.3	628.1	537.4	462.2
65°	301.5	315.1	341.2	389.2	463.3	511.3	555.1	594.8	534.2	450.8	394.4
67.5°	261.9	273.4	295.3	338.1	400.7	435.1	470.6	504.0	452.8	386.1	338.1
70°	219.1	228.5	248.3	279.6	329.7	365.2	391.3	416.3	370.4	317.2	284.9
72.5°	181.6	190.9	203.5	235.8	270.2	292.2	320.3	333.9	307.8	264.0	231.6
75°	145.0	152.3	163.8	184.7	217.0	231.6	249.4	259.8	235.8	206.6	186.8
77.5°	113.7	116.9	125.2	139.8	161.7	178.4	192.0	198.3	181.6	162.8	146.1
80°	80.3	84.5	90.8	103.3	120.0	125.2	133.6	140.9	130.4	113.7	103.3
82.5°	53.2	58.4	61.6	66.8	77.2	83.5	85.6	91.8	82.4	76.2	72.0
85°	31.3	33.4	34.4	37.6	42.8	45.9	49.0	50.1	48.0	47.0	42.8
87.5°	15.7	15.7	15.7	17.7	18.8	20.9	21.9	21.9	21.9	20.9	19.8
90°	1.1	2.3	3.4	5.1	6.2	6.8	7.4	9.1	10.8	12.5	14.2
92.5°	8.5	12.5	18.1	23.2	28.9	34.0	39.1	57.2	87.3	116.7	105.4
95°	19.3	21.0	27.2	36.8	51.6	62.6	73.7	121.8	206.2	299.2	336.0
97.5°	30.6	31.2	36.3	44.8	59.5	71.7	83.9	131.5	229.5	385.9	516.7
100°	41.9	42.5	46.5	54.4	68.0	79.0	90.1	129.8	213.6	362.6	536.6
102.5°	53.8	55.0	58.4	65.7	77.6	87.6	97.5	132.0	200.0	328.6	499.7
105°	65.7	67.4	70.8	77.6	88.4	97.2	106.0	136.6	194.9	302.0	455.5
107.5°	78.2	79.9	83.3	90.1	100.3	108.5	116.7	143.9	193.8	282.7	416.5
110°	91.8	93.5	96.3	102.6	112.2	120.2	128.1	153.5	196.6	272.5	384.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	104.3	106.0	108.8	115.0	124.7	132.4	140.0	163.2	202.3	266.9	362.6
115°	116.2	118.4	121.8	127.5	137.1	144.8	152.4	173.9	208.5	266.3	348.5
117.5°	128.1	130.9	133.7	138.8	149.6	156.6	163.7	185.3	216.4	266.9	338.8
120°	140.5	142.2	145.1	150.7	161.5	168.6	175.6	196.0	225.5	269.1	332.6
122.5°	151.3	153.0	155.8	162.0	172.2	179.8	187.5	207.4	234.0	273.1	328.6
125°	161.5	162.6	166.0	172.2	183.0	190.6	198.3	218.1	243.1	277.1	325.2
127.5°	169.4	171.1	175.1	181.3	193.2	200.8	208.5	227.8	250.4	281.6	323.5
130°	176.8	178.5	183.6	190.4	202.3	210.0	217.6	236.3	257.8	286.1	321.8
132.5°	182.4	184.7	190.4	198.9	210.8	218.2	225.5	243.6	264.6	289.5	321.3
135°	189.2	191.5	197.7	206.2	218.1	225.8	233.4	251.0	270.3	292.9	320.7
137.5°	195.5	197.7	204.0	213.0	224.9	232.0	239.1	256.1	274.8	295.2	319.6
140°	201.7	204.5	210.2	219.3	230.6	237.7	244.8	261.2	278.2	297.5	319.0
142.5°	208.5	210.8	217.0	224.9	236.3	242.8	249.3	265.2	281.6	299.2	317.9
145°	215.9	217.6	222.7	231.2	240.8	247.3	253.8	268.6	283.9	299.7	316.7
147.5°	223.2	224.4	229.5	236.8	246.5	252.2	257.8	271.4	285.6	299.7	315.0
150°	230.6	231.2	235.7	243.1	251.0	256.1	261.2	274.2	286.1	299.7	312.8
152.5°	238.0	238.0	242.5	248.7	255.5	260.4	265.2	275.9	287.3	298.0	309.9
155°	245.3	245.3	248.7	254.4	260.6	264.6	268.6	278.2	287.3	296.9	306.5
157.5°	251.0	251.6	254.4	259.5	265.2	268.3	271.4	279.3	287.8	295.2	303.7
160°	257.8	257.8	260.1	264.6	268.6	271.4	274.2	281.0	287.8	294.1	300.3
162.5°	262.9	262.9	264.6	268.0	271.4	273.6	275.9	281.6	287.3	291.8	296.9
165°	268.0	267.4	268.6	271.4	273.7	275.6	277.6	282.2	286.1	289.5	293.5
167.5°	272.0	271.4	272.0	274.2	275.9	277.4	278.8	282.2	285.6	287.3	290.1
170°	275.4	274.2	274.8	276.5	277.6	278.2	278.8	281.6	283.9	285.0	286.7
172.5°	277.6	277.1	277.1	278.2	278.8	279.0	279.3	281.6	283.3	283.3	283.9
175°	279.3	278.8	278.2	279.3	279.3	279.6	279.9	281.0	282.2	281.6	281.6
177.5°	280.5	279.9	279.3	279.9	279.9	279.9	279.9	280.5	281.6	280.5	279.9
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1134.2	1136.3	1143.6	1148.8	1159.2	1158.2	1158.2	1157.2	1154.0	1159.2	1162.4
5°	1213.5	1231.2	1233.3	1256.3	1257.3	1266.7	1273.0	1267.8	1280.3	1279.2	1269.8
7.5°	1311.6	1335.6	1347.1	1369.0	1394.0	1387.8	1411.8	1415.9	1413.8	1424.3	1431.6
10°	1419.1	1460.8	1490.0	1530.7	1541.1	1547.4	1563.1	1576.6	1603.7	1582.9	1596.4
12.5°	1542.2	1572.4	1611.0	1675.7	1708.1	1729.0	1736.3	1745.7	1764.4	1753.0	1754.0
15°	1645.5	1686.2	1751.9	1832.3	1841.6	1867.7	1861.5	1917.8	1944.9	1904.3	1927.2
17.5°	1753.0	1807.2	1885.5	1955.4	1995.0	2012.8	2029.5	2083.7	2081.6	2075.4	2080.6
20°	1821.8	1910.5	2007.6	2100.4	2111.9	2125.5	2170.3	2193.3	2189.1	2206.8	2218.3
22.5°	1918.9	2012.8	2116.1	2177.6	2203.7	2219.4	2254.8	2269.4	2275.7	2279.9	2272.6
25°	2000.2	2100.4	2176.6	2230.8	2246.5	2254.8	2266.3	2270.5	2267.4	2260.1	2266.3
27.5°	2055.5	2135.9	2188.1	2213.1	2204.8	2191.2	2169.3	2154.7	2122.3	2106.7	2125.5
30°	2078.5	2114.0	2129.6	2087.9	2046.2	2012.8	1971.0	1893.8	1833.3	1851.0	1827.0
32.5°	2042.0	2019.0	1943.9	1836.4	1804.1	1749.8	1631.9	1541.1	1544.3	1496.3	1516.1
35°	1934.5	1830.2	1688.3	1525.5	1482.7	1453.5	1324.1	1304.3	1262.5	1217.7	1230.2
37.5°	1744.6	1592.3	1420.1	1300.1	1236.5	1172.8	1099.8	1055.9	1030.9	1012.1	1026.7
40°	1513.0	1327.2	1185.3	1077.9	1023.6	982.9	932.8	889.0	860.8	857.7	862.9
42.5°	1285.5	1129.0	998.6	896.3	878.6	830.6	798.2	763.8	755.4	741.9	749.2
45°	1088.3	961.0	853.5	770.0	749.2	736.7	697.0	675.1	665.7	657.4	669.9
47.5°	945.3	811.8	733.5	683.4	662.6	641.7	619.8	605.2	597.9	598.9	597.9
50°	807.6	709.5	640.7	602.1	589.5	574.9	557.2	547.8	544.7	535.3	542.6
52.5°	694.9	624.0	576.0	539.5	530.1	519.6	505.0	499.8	492.5	490.4	490.4
55°	604.1	548.8	510.2	486.2	474.8	466.4	458.1	451.8	446.6	446.6	446.6
57.5°	533.2	485.2	457.0	436.2	432.0	423.6	414.2	414.2	406.9	405.9	409.0
60°	472.7	429.9	408.0	390.2	384.0	381.9	372.5	372.5	370.4	365.2	369.4
62.5°	411.1	379.8	361.0	347.5	341.2	341.2	333.9	328.7	328.7	329.7	327.6
65°	354.8	331.8	315.1	304.7	301.5	297.4	296.3	292.2	289.0	290.1	289.0
67.5°	304.7	286.9	275.5	267.1	261.9	259.8	256.7	256.7	254.6	255.6	250.4
70°	259.8	242.1	232.7	224.3	222.2	222.2	218.1	219.1	217.0	220.2	218.1
72.5°	213.9	200.3	193.0	189.9	187.8	186.8	184.7	182.6	181.6	183.6	182.6
75°	173.2	161.7	156.5	154.4	152.3	152.3	151.3	150.3	149.2	149.2	149.2
77.5°	134.6	127.3	121.0	123.1	120.0	121.0	117.9	117.9	119.0	117.9	117.9
80°	99.1	93.9	93.9	91.8	87.6	89.7	89.7	86.6	85.6	87.6	84.5
82.5°	65.7	64.7	62.6	61.6	59.5	60.5	59.5	58.4	57.4	59.5	57.4
85°	38.6	38.6	37.6	35.5	37.6	36.5	35.5	35.5	34.4	34.4	34.4
87.5°	19.8	17.7	17.7	16.7	17.7	15.7	16.7	15.7	14.6	15.7	14.6
90°	13.6	14.2	14.7	15.3	15.8	16.4	15.9	16.4	17.0	16.4	17.0
92.5°	78.8	56.1	43.6	38.0	36.0	34.0	32.9	30.6	31.2	30.0	31.2
95°	272.5	204.0	138.3	108.2	98.0	87.8	77.1	72.0	68.0	65.7	68.0
97.5°	534.3	468.6	353.6	278.8	246.5	214.2	176.2	154.7	141.1	134.9	141.1
100°	648.2	668.0	622.1	555.8	515.6	475.4	418.2	376.8	354.7	355.3	354.7
102.5°	653.9	734.3	743.9	712.2	690.4	668.6	627.2	596.6	579.1	562.6	579.1
105°	618.2	736.6	793.2	804.0	796.6	789.3	763.2	741.7	723.6	720.7	723.6
107.5°	567.2	702.6	791.5	835.7	843.4	851.0	847.6	837.4	830.1	823.8	830.1
110°	519.6	649.3	753.6	825.0	844.8	864.6	880.5	885.0	883.9	882.8	883.9

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	478.2	596.6	703.7	785.9	812.8	839.7	872.0	888.4	894.1	894.7	894.1
115°	446.5	551.3	649.9	733.2	764.0	794.9	837.4	862.4	873.7	876.5	873.7
117.5°	425.5	516.2	603.4	679.9	711.9	743.9	788.1	815.9	832.9	836.9	832.9
120°	409.7	489.5	566.0	634.0	662.6	691.3	736.0	767.7	781.3	784.7	781.3
122.5°	396.6	468.6	536.0	597.8	623.8	649.9	688.4	716.2	731.5	736.0	731.5
125°	385.9	450.4	512.2	566.6	589.2	611.9	648.2	673.1	687.3	691.3	687.3
127.5°	375.7	434.0	490.1	540.0	561.0	581.9	614.8	636.3	649.3	652.7	649.3
130°	367.7	418.7	469.7	515.6	534.8	554.1	584.2	604.6	616.5	621.0	616.5
132.5°	360.4	404.6	450.4	492.4	510.5	528.6	556.4	576.8	587.0	589.8	587.0
135°	354.1	392.1	432.3	469.1	485.2	501.4	529.2	546.2	556.4	560.4	556.4
137.5°	348.5	380.2	414.2	447.0	461.4	475.9	499.7	517.3	525.8	529.2	525.8
140°	343.4	370.0	398.9	426.1	438.2	450.4	472.0	487.8	496.9	496.3	496.9
142.5°	338.8	360.4	384.2	406.8	417.0	427.2	444.8	458.4	466.3	465.7	466.3
145°	334.9	353.0	371.7	389.8	398.0	406.3	420.4	432.3	436.9	438.0	436.9
147.5°	330.9	346.8	362.1	377.4	383.4	389.3	400.6	409.1	413.6	414.2	413.6
150°	326.9	340.0	353.0	364.9	370.3	375.7	384.2	390.4	393.8	393.8	393.8
152.5°	322.4	333.7	344.5	354.7	359.0	363.2	369.4	375.1	376.8	376.8	376.8
155°	317.9	327.5	336.6	345.1	348.5	351.9	357.0	361.5	362.6	363.2	362.6
157.5°	312.8	320.7	328.6	335.4	338.2	341.1	345.6	349.0	350.2	350.2	350.2
160°	307.7	315.0	321.3	326.9	328.9	330.9	334.9	338.3	338.3	337.7	338.3
162.5°	302.6	308.2	313.3	318.4	320.1	321.8	324.1	326.9	326.9	326.4	326.9
165°	298.0	302.6	306.0	309.9	311.4	312.8	315.0	317.3	316.7	316.7	316.7
167.5°	293.5	297.5	300.3	302.6	303.7	304.8	306.0	307.7	307.1	307.1	307.1
170°	289.5	292.4	294.1	296.3	296.9	297.5	298.0	299.2	298.6	298.6	298.6
172.5°	285.6	287.8	289.0	290.7	291.0	291.2	291.2	292.4	291.2	290.7	291.2
175°	282.7	283.9	284.4	285.6	285.6	285.6	285.6	286.1	285.6	285.0	285.6
177.5°	280.5	281.0	281.6	282.2	282.2	282.2	281.6	282.2	281.0	281.0	281.0
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1154.0	1157.2	1148.8	1146.7	1146.7	1150.9	1147.8	1119.6	1124.8	1118.6	1116.5
5°	1281.3	1275.1	1266.7	1262.5	1257.3	1242.7	1241.7	1209.3	1203.1	1182.2	1172.8
7.5°	1421.1	1415.9	1390.9	1387.8	1385.7	1372.1	1337.7	1303.2	1278.2	1254.2	1231.2
10°	1580.8	1565.1	1553.7	1530.7	1519.2	1500.4	1455.6	1423.2	1380.5	1343.9	1295.9
12.5°	1772.8	1755.0	1716.4	1699.7	1685.1	1633.0	1588.1	1551.6	1468.1	1443.1	1383.6
15°	1913.6	1876.1	1871.9	1835.4	1833.3	1775.9	1690.3	1650.7	1586.0	1494.2	1432.6
17.5°	2066.0	2032.6	2006.5	1962.7	1956.4	1902.2	1839.6	1742.5	1671.6	1583.9	1505.7
20°	2177.6	2159.9	2115.0	2097.3	2060.8	2014.9	1950.2	1830.2	1743.6	1655.9	1559.9
22.5°	2266.3	2248.6	2213.1	2189.1	2168.2	2108.8	2031.5	1929.3	1810.3	1695.6	1596.4
25°	2265.3	2260.1	2245.5	2234.0	2218.3	2174.5	2109.8	2011.7	1879.2	1753.0	1615.2
27.5°	2136.9	2151.5	2176.6	2189.1	2186.0	2179.7	2143.2	2060.8	1941.8	1791.6	1637.1
30°	1869.8	1923.0	1970.0	2032.6	2051.4	2097.3	2118.2	2071.2	1976.2	1836.4	1665.3
32.5°	1550.5	1627.7	1730.0	1764.4	1823.9	1912.6	2011.7	2029.5	1970.0	1862.5	1683.0
35°	1271.9	1335.6	1414.9	1469.1	1522.4	1666.4	1791.6	1900.1	1919.9	1848.9	1678.9
37.5°	1052.8	1097.7	1167.6	1213.5	1262.5	1385.7	1561.0	1701.8	1801.0	1803.0	1667.4
40°	894.2	914.0	974.6	1007.9	1054.9	1161.3	1317.8	1501.5	1646.5	1713.3	1637.1
42.5°	757.5	783.6	833.7	858.7	889.0	981.9	1085.2	1259.4	1438.9	1581.8	1580.8
45°	676.1	694.9	717.9	738.7	773.2	828.5	946.4	1076.8	1249.0	1410.7	1474.4
47.5°	604.1	621.9	644.8	651.1	674.1	726.2	798.2	912.0	1072.6	1233.3	1353.3
50°	543.6	558.2	573.9	585.4	595.8	638.6	692.8	788.8	917.2	1072.6	1221.9
52.5°	496.7	507.1	520.7	526.9	536.3	567.6	609.4	680.3	785.7	927.6	1072.6
55°	452.8	460.2	468.5	478.9	483.1	506.1	538.4	598.9	677.2	804.5	942.2
57.5°	412.2	415.3	420.5	426.8	432.0	451.8	480.0	520.7	589.5	687.6	818.0
60°	366.2	374.6	377.7	384.0	387.1	402.8	424.7	459.1	512.3	596.8	694.9
62.5°	327.6	332.9	338.1	341.2	348.5	353.7	371.5	402.8	446.6	509.2	597.9
65°	293.2	295.3	298.4	301.5	303.6	309.9	326.6	347.5	380.9	436.2	505.0
67.5°	253.6	255.6	259.8	260.9	262.9	271.3	280.7	298.4	326.6	368.3	424.7
70°	214.9	218.1	220.2	222.2	225.4	228.5	238.9	253.6	275.5	304.7	348.5
72.5°	181.6	184.7	184.7	186.8	185.7	189.9	200.3	210.8	225.4	249.4	288.0
75°	148.2	148.2	150.3	151.3	152.3	156.5	160.7	169.0	180.5	199.3	223.3
77.5°	116.9	115.8	117.9	117.9	117.9	121.0	125.2	129.4	136.7	150.3	169.0
80°	85.6	85.6	87.6	88.7	86.6	87.6	89.7	93.9	99.1	108.5	119.0
82.5°	56.3	60.5	59.5	60.5	59.5	61.6	62.6	63.6	65.7	69.9	77.2
85°	34.4	34.4	34.4	35.5	34.4	35.5	35.5	35.5	36.5	38.6	41.7
87.5°	14.6	14.6	14.6	15.7	14.6	14.6	15.7	14.6	15.7	15.7	16.7
90°	16.4	15.9	16.4	15.8	15.3	14.7	14.2	13.6	14.2	12.5	10.8
92.5°	30.6	32.9	34.0	36.0	38.0	43.6	56.1	78.8	105.4	116.7	87.3
95°	72.0	77.1	87.8	98.0	108.2	138.3	204.0	272.5	336.0	299.2	206.2
97.5°	154.7	176.2	214.2	246.5	278.8	353.6	468.6	534.3	516.7	385.9	229.5
100°	376.8	418.2	475.4	515.6	555.8	622.1	668.0	648.2	536.6	362.6	213.6
102.5°	596.6	627.2	668.6	690.4	712.2	743.9	734.3	653.9	499.7	328.6	200.0
105°	741.7	763.2	789.3	796.6	804.0	793.2	736.6	618.2	455.5	302.0	194.9
107.5°	837.4	847.6	851.0	843.4	835.7	791.5	702.6	567.2	416.5	282.7	193.8
110°	885.0	880.5	864.6	844.8	825.0	753.6	649.3	519.6	384.2	272.5	196.6

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	888.4	872.0	839.7	812.8	785.9	703.7	596.6	478.2	362.6	266.9	202.3
115°	862.4	837.4	794.9	764.0	733.2	649.9	551.3	446.5	348.5	266.3	208.5
117.5°	815.9	788.1	743.9	711.9	679.9	603.4	516.2	425.5	338.8	266.9	216.4
120°	767.7	736.0	691.3	662.6	634.0	566.0	489.5	409.7	332.6	269.1	225.5
122.5°	716.2	688.4	649.9	623.8	597.8	536.0	468.6	396.6	328.6	273.1	234.0
125°	673.1	648.2	611.9	589.2	566.6	512.2	450.4	385.9	325.2	277.1	243.1
127.5°	636.3	614.8	581.9	561.0	540.0	490.1	434.0	375.7	323.5	281.6	250.4
130°	604.6	584.2	554.1	534.8	515.6	469.7	418.7	367.7	321.8	286.1	257.8
132.5°	576.8	556.4	528.6	510.5	492.4	450.4	404.6	360.4	321.3	289.5	264.6
135°	546.2	529.2	501.4	485.2	469.1	432.3	392.1	354.1	320.7	292.9	270.3
137.5°	517.3	499.7	475.9	461.4	447.0	414.2	380.2	348.5	319.6	295.2	274.8
140°	487.8	472.0	450.4	438.2	426.1	398.9	370.0	343.4	319.0	297.5	278.2
142.5°	458.4	444.8	427.2	417.0	406.8	384.2	360.4	338.8	317.9	299.2	281.6
145°	432.3	420.4	406.3	398.0	389.8	371.7	353.0	334.9	316.7	299.7	283.9
147.5°	409.1	400.6	389.3	383.4	377.4	362.1	346.8	330.9	315.0	299.7	285.6
150°	390.4	384.2	375.7	370.3	364.9	353.0	340.0	326.9	312.8	299.7	286.1
152.5°	375.1	369.4	363.2	359.0	354.7	344.5	333.7	322.4	309.9	298.0	287.3
155°	361.5	357.0	351.9	348.5	345.1	336.6	327.5	317.9	306.5	296.9	287.3
157.5°	349.0	345.6	341.1	338.2	335.4	328.6	320.7	312.8	303.7	295.2	287.8
160°	338.3	334.9	330.9	328.9	326.9	321.3	315.0	307.7	300.3	294.1	287.8
162.5°	326.9	324.1	321.8	320.1	318.4	313.3	308.2	302.6	296.9	291.8	287.3
165°	317.3	315.0	312.8	311.4	309.9	306.0	302.6	298.0	293.5	289.5	286.1
167.5°	307.7	306.0	304.8	303.7	302.6	300.3	297.5	293.5	290.1	287.3	285.6
170°	299.2	298.0	297.5	296.9	296.3	294.1	292.4	289.5	286.7	285.0	283.9
172.5°	292.4	291.2	291.2	291.0	290.7	289.0	287.8	285.6	283.9	283.3	283.3
175°	286.1	285.6	285.6	285.6	285.6	284.4	283.9	282.7	281.6	281.6	282.2
177.5°	282.2	281.6	282.2	282.2	282.2	281.6	281.0	280.5	279.9	280.5	281.6
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1106.0	1102.9	1102.9	1100.8	1094.6	1083.1	1082.0	1084.1	1077.9	1071.6	1062.2
5°	1160.3	1140.5	1134.2	1127.9	1115.4	1094.6	1086.2	1078.9	1067.4	1053.9	1039.3
7.5°	1206.2	1178.0	1169.7	1158.2	1133.2	1103.9	1085.2	1069.5	1053.9	1035.1	1017.3
10°	1263.6	1222.9	1203.1	1186.4	1151.9	1111.2	1083.1	1060.1	1035.1	1012.1	989.2
12.5°	1328.3	1262.5	1256.3	1215.6	1175.9	1115.4	1081.0	1047.6	1014.2	986.0	962.0
15°	1382.5	1310.5	1284.5	1257.3	1181.2	1106.0	1072.6	1035.1	996.5	966.2	930.7
17.5°	1417.0	1357.5	1302.2	1265.7	1186.4	1119.6	1054.9	1012.1	971.4	929.7	900.5
20°	1458.7	1372.1	1324.1	1275.1	1196.8	1109.2	1044.5	991.3	941.2	903.6	868.1
22.5°	1500.4	1383.6	1343.9	1290.7	1198.9	1098.7	1025.7	972.5	915.1	877.5	838.9
25°	1496.3	1400.3	1334.5	1289.7	1178.0	1089.3	1003.8	941.2	888.0	840.0	801.4
27.5°	1499.4	1381.5	1314.7	1262.5	1163.4	1075.8	980.8	915.1	859.8	809.7	769.0
30°	1500.4	1353.3	1294.9	1232.3	1136.3	1043.4	954.7	888.0	829.5	775.3	738.7
32.5°	1497.3	1330.4	1257.3	1201.0	1093.5	1012.1	924.5	853.5	794.0	744.0	709.5
35°	1490.0	1303.2	1218.7	1147.8	1049.7	967.3	896.3	823.3	759.6	713.7	674.1
37.5°	1470.2	1274.0	1178.0	1108.1	998.6	915.1	852.5	792.0	730.4	676.1	642.7
40°	1455.6	1234.4	1137.3	1061.2	943.3	861.9	809.7	752.3	691.8	642.7	610.4
42.5°	1422.2	1196.8	1095.6	1004.8	889.0	805.5	756.5	710.6	658.4	610.4	581.2
45°	1367.9	1156.1	1044.5	952.6	829.5	750.2	705.4	667.8	621.9	576.0	546.8
47.5°	1291.8	1097.7	990.2	898.4	771.1	690.7	645.9	617.7	581.2	542.6	517.5
50°	1209.3	1034.0	934.9	844.1	714.7	636.5	592.7	566.6	542.6	507.1	483.1
52.5°	1101.9	966.2	871.3	784.7	654.2	579.1	540.5	521.7	496.7	471.6	450.8
55°	997.5	878.6	800.3	717.9	594.8	524.8	487.3	467.5	452.8	432.0	415.3
57.5°	876.5	797.2	725.2	650.1	539.5	475.8	440.3	416.3	406.9	397.5	381.9
60°	764.8	704.3	645.9	583.3	482.1	424.7	390.2	371.5	362.1	355.8	345.4
62.5°	662.6	615.6	565.5	515.5	423.6	371.5	345.4	326.6	318.2	317.2	307.8
65°	564.5	531.1	490.4	441.4	369.4	323.5	298.4	286.9	277.6	277.6	270.2
67.5°	466.4	443.5	411.1	376.7	320.3	277.6	254.6	244.2	238.9	238.9	233.7
70°	388.2	372.5	343.3	313.0	264.0	231.6	213.9	204.5	201.4	202.4	198.3
72.5°	315.1	298.4	274.4	252.5	216.0	192.0	179.5	169.0	163.8	164.9	163.8
75°	244.2	235.8	214.9	198.3	169.0	152.3	140.9	135.6	131.5	132.5	130.4
77.5°	183.6	171.1	159.6	148.2	130.4	116.9	107.5	102.3	99.1	99.1	99.1
80°	125.2	123.1	113.7	107.5	92.9	82.4	75.1	74.1	71.0	71.0	71.0
82.5°	81.4	76.2	71.0	66.8	58.4	52.2	49.0	47.0	45.9	44.9	47.0
85°	44.9	41.7	39.7	35.5	32.3	29.2	26.1	25.0	24.0	25.0	24.0
87.5°	17.7	14.6	14.6	13.6	12.5	11.5	11.5	9.4	9.4	8.3	8.3
90°	9.1	7.4	6.8	6.2	5.1	3.4	2.3	1.1	2.3	3.4	5.1
92.5°	57.2	39.1	34.0	28.9	23.2	18.1	12.5	8.5	12.5	18.1	23.2
95°	121.8	73.7	62.6	51.6	36.8	27.2	21.0	19.3	21.0	27.2	36.8
97.5°	131.5	83.9	71.7	59.5	44.8	36.3	31.2	30.6	31.2	36.3	44.8
100°	129.8	90.1	79.0	68.0	54.4	46.5	42.5	41.9	42.5	46.5	54.4
102.5°	132.0	97.5	87.6	77.6	65.7	58.4	55.0	53.8	55.0	58.4	65.7
105°	136.6	106.0	97.2	88.4	77.6	70.8	67.4	65.7	67.4	70.8	77.6
107.5°	143.9	116.7	108.5	100.3	90.1	83.3	79.9	78.2	79.9	83.3	90.1
110°	153.5	128.1	120.2	112.2	102.6	96.3	93.5	91.8	93.5	96.3	102.6

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	163.2	140.0	132.4	124.7	115.0	108.8	106.0	104.3	106.0	108.8	115.0
115°	173.9	152.4	144.8	137.1	127.5	121.8	118.4	116.2	118.4	121.8	127.5
117.5°	185.3	163.7	156.6	149.6	138.8	133.7	130.9	128.1	130.9	133.7	138.8
120°	196.0	175.6	168.6	161.5	150.7	145.1	142.2	140.5	142.2	145.1	150.7
122.5°	207.4	187.5	179.8	172.2	162.0	155.8	153.0	151.3	153.0	155.8	162.0
125°	218.1	198.3	190.6	183.0	172.2	166.0	162.6	161.5	162.6	166.0	172.2
127.5°	227.8	208.5	200.8	193.2	181.3	175.1	171.1	169.4	171.1	175.1	181.3
130°	236.3	217.6	210.0	202.3	190.4	183.6	178.5	176.8	178.5	183.6	190.4
132.5°	243.6	225.5	218.2	210.8	198.9	190.4	184.7	182.4	184.7	190.4	198.9
135°	251.0	233.4	225.8	218.1	206.2	197.7	191.5	189.2	191.5	197.7	206.2
137.5°	256.1	239.1	232.0	224.9	213.0	204.0	197.7	195.5	197.7	204.0	213.0
140°	261.2	244.8	237.7	230.6	219.3	210.2	204.5	201.7	204.5	210.2	219.3
142.5°	265.2	249.3	242.8	236.3	224.9	217.0	210.8	208.5	210.8	217.0	224.9
145°	268.6	253.8	247.3	240.8	231.2	222.7	217.6	215.9	217.6	222.7	231.2
147.5°	271.4	257.8	252.2	246.5	236.8	229.5	224.4	223.2	224.4	229.5	236.8
150°	274.2	261.2	256.1	251.0	243.1	235.7	231.2	230.6	231.2	235.7	243.1
152.5°	275.9	265.2	260.4	255.5	248.7	242.5	238.0	238.0	238.0	242.5	248.7
155°	278.2	268.6	264.6	260.6	254.4	248.7	245.3	245.3	245.3	248.7	254.4
157.5°	279.3	271.4	268.3	265.2	259.5	254.4	251.6	251.0	251.6	254.4	259.5
160°	281.0	274.2	271.4	268.6	264.6	260.1	257.8	257.8	257.8	260.1	264.6
162.5°	281.6	275.9	273.6	271.4	268.0	264.6	262.9	262.9	262.9	264.6	268.0
165°	282.2	277.6	275.6	273.7	271.4	268.6	267.4	268.0	267.4	268.6	271.4
167.5°	282.2	278.8	277.4	275.9	274.2	272.0	271.4	272.0	271.4	272.0	274.2
170°	281.6	278.8	278.2	277.6	276.5	274.8	274.2	275.4	274.2	274.8	276.5
172.5°	281.6	279.3	279.0	278.8	278.2	277.1	277.1	277.6	277.1	277.1	278.2
175°	281.0	279.9	279.6	279.3	279.3	278.2	278.8	279.3	278.8	278.2	279.3
177.5°	280.5	279.9	279.9	279.9	279.9	279.3	279.9	280.5	279.9	279.3	279.9
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1060.1	1059.1	1061.2	1054.9	1044.5	1039.3	1024.6	1021.5	1020.5	1021.5	1022.6
5°	1030.9	1029.9	1026.7	1016.3	1003.8	994.4	976.6	975.6	969.3	963.1	966.2
7.5°	1002.7	998.6	992.3	978.7	962.0	951.6	937.0	926.6	918.2	913.0	908.8
10°	974.6	968.3	962.0	944.3	923.4	907.8	890.0	881.7	872.3	868.1	864.0
12.5°	938.0	931.8	920.3	899.4	886.9	867.1	849.3	841.0	835.8	827.4	822.2
15°	908.8	896.3	890.0	868.1	842.0	840.0	807.6	805.5	795.1	795.1	786.7
17.5°	875.4	866.0	854.6	832.7	813.9	795.1	778.4	772.1	762.7	760.7	756.5
20°	843.1	830.6	826.4	804.5	784.7	761.7	744.0	737.7	733.5	729.4	732.5
22.5°	809.7	799.3	788.8	769.0	754.4	731.4	721.0	714.7	708.5	706.4	707.4
25°	777.4	768.0	757.5	737.7	722.1	703.3	693.9	690.7	687.6	687.6	686.6
27.5°	746.0	736.7	727.3	709.5	693.9	680.3	673.0	669.9	666.7	668.8	670.9
30°	713.7	705.4	697.0	681.4	668.8	656.3	652.1	650.1	649.0	654.2	654.2
32.5°	684.5	677.2	670.9	656.3	643.8	633.4	630.2	631.3	632.3	635.4	637.5
35°	654.2	649.0	642.7	630.2	619.8	610.4	611.4	611.4	613.5	618.8	622.9
37.5°	627.1	619.8	614.6	604.1	595.8	587.4	590.6	593.7	595.8	602.1	604.1
40°	594.8	591.6	587.4	577.0	569.7	568.7	569.7	571.8	576.0	579.1	582.2
42.5°	568.7	564.5	559.3	550.9	544.7	545.7	546.8	548.8	550.9	556.1	559.3
45°	539.5	536.3	532.1	524.8	519.6	520.7	521.7	521.7	523.8	530.1	532.1
47.5°	507.1	508.1	502.9	495.6	492.5	492.5	492.5	494.6	499.8	501.9	502.9
50°	475.8	473.7	472.7	465.4	463.3	462.2	463.3	464.3	471.6	470.6	473.7
52.5°	442.4	442.4	441.4	437.2	434.1	434.1	432.0	437.2	439.3	441.4	444.5
55°	410.1	406.9	405.9	403.8	399.6	398.6	400.7	406.9	409.0	411.1	414.2
57.5°	374.6	374.6	372.5	369.4	369.4	369.4	369.4	373.5	376.7	378.8	385.0
60°	342.2	338.1	334.9	334.9	334.9	333.9	340.2	340.2	346.4	347.5	349.5
62.5°	303.6	301.5	299.5	300.5	299.5	301.5	303.6	307.8	308.9	312.0	315.1
65°	267.1	267.1	265.0	271.3	267.1	267.1	272.3	272.3	274.4	277.6	281.7
67.5°	231.6	232.7	230.6	230.6	232.7	233.7	234.8	238.9	240.0	244.2	249.4
70°	195.1	197.2	198.3	196.2	198.3	200.3	202.4	203.5	207.6	209.7	212.9
72.5°	162.8	164.9	161.7	162.8	163.8	165.9	166.9	169.0	171.1	177.4	179.5
75°	130.4	129.4	128.3	132.5	130.4	134.6	135.6	135.6	137.7	142.9	145.0
77.5°	100.2	100.2	101.2	99.1	102.3	101.2	102.3	105.4	108.5	108.5	116.9
80°	69.9	72.0	72.0	72.0	73.0	74.1	72.0	77.2	78.3	78.3	81.4
82.5°	44.9	45.9	44.9	47.0	47.0	49.0	48.0	49.0	51.1	53.2	54.3
85°	24.0	24.0	26.1	26.1	25.0	26.1	25.0	26.1	28.2	28.2	29.2
87.5°	8.3	8.3	8.3	8.3	9.4	8.3	9.4	9.4	8.3	8.3	11.5
90°	6.2	6.8	7.4	9.1	10.8	12.5	14.2	13.6	14.2	14.7	15.3
92.5°	28.9	34.0	39.1	57.2	87.3	116.7	105.4	78.8	56.1	43.6	38.0
95°	51.6	62.6	73.7	121.8	206.2	299.2	336.0	272.5	204.0	138.3	108.2
97.5°	59.5	71.7	83.9	131.5	229.5	385.9	516.7	534.3	468.6	353.6	278.8
100°	68.0	79.0	90.1	129.8	213.6	362.6	536.6	648.2	668.0	622.1	555.8
102.5°	77.6	87.6	97.5	132.0	200.0	328.6	499.7	653.9	734.3	743.9	712.2
105°	88.4	97.2	106.0	136.6	194.9	302.0	455.5	618.2	736.6	793.2	804.0
107.5°	100.3	108.5	116.7	143.9	193.8	282.7	416.5	567.2	702.6	791.5	835.7
110°	112.2	120.2	128.1	153.5	196.6	272.5	384.2	519.6	649.3	753.6	825.0

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	124.7	132.4	140.0	163.2	202.3	266.9	362.6	478.2	596.6	703.7	785.9
115°	137.1	144.8	152.4	173.9	208.5	266.3	348.5	446.5	551.3	649.9	733.2
117.5°	149.6	156.6	163.7	185.3	216.4	266.9	338.8	425.5	516.2	603.4	679.9
120°	161.5	168.6	175.6	196.0	225.5	269.1	332.6	409.7	489.5	566.0	634.0
122.5°	172.2	179.8	187.5	207.4	234.0	273.1	328.6	396.6	468.6	536.0	597.8
125°	183.0	190.6	198.3	218.1	243.1	277.1	325.2	385.9	450.4	512.2	566.6
127.5°	193.2	200.8	208.5	227.8	250.4	281.6	323.5	375.7	434.0	490.1	540.0
130°	202.3	210.0	217.6	236.3	257.8	286.1	321.8	367.7	418.7	469.7	515.6
132.5°	210.8	218.2	225.5	243.6	264.6	289.5	321.3	360.4	404.6	450.4	492.4
135°	218.1	225.8	233.4	251.0	270.3	292.9	320.7	354.1	392.1	432.3	469.1
137.5°	224.9	232.0	239.1	256.1	274.8	295.2	319.6	348.5	380.2	414.2	447.0
140°	230.6	237.7	244.8	261.2	278.2	297.5	319.0	343.4	370.0	398.9	426.1
142.5°	236.3	242.8	249.3	265.2	281.6	299.2	317.9	338.8	360.4	384.2	406.8
145°	240.8	247.3	253.8	268.6	283.9	299.7	316.7	334.9	353.0	371.7	389.8
147.5°	246.5	252.2	257.8	271.4	285.6	299.7	315.0	330.9	346.8	362.1	377.4
150°	251.0	256.1	261.2	274.2	286.1	299.7	312.8	326.9	340.0	353.0	364.9
152.5°	255.5	260.4	265.2	275.9	287.3	298.0	309.9	322.4	333.7	344.5	354.7
155°	260.6	264.6	268.6	278.2	287.3	296.9	306.5	317.9	327.5	336.6	345.1
157.5°	265.2	268.3	271.4	279.3	287.8	295.2	303.7	312.8	320.7	328.6	335.4
160°	268.6	271.4	274.2	281.0	287.8	294.1	300.3	307.7	315.0	321.3	326.9
162.5°	271.4	273.6	275.9	281.6	287.3	291.8	296.9	302.6	308.2	313.3	318.4
165°	273.7	275.6	277.6	282.2	286.1	289.5	293.5	298.0	302.6	306.0	309.9
167.5°	275.9	277.4	278.8	282.2	285.6	287.3	290.1	293.5	297.5	300.3	302.6
170°	277.6	278.2	278.8	281.6	283.9	285.0	286.7	289.5	292.4	294.1	296.3
172.5°	278.8	279.0	279.3	281.6	283.3	283.3	283.9	285.6	287.8	289.0	290.7
175°	279.3	279.6	279.9	281.0	282.2	281.6	281.6	282.7	283.9	284.4	285.6
177.5°	279.9	279.9	279.9	280.5	281.6	280.5	279.9	280.5	281.0	281.6	282.2
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1021.5	1022.6	1018.4	1015.3	1023.6	1018.4	1018.4	1019.4	1017.3	1020.5	1019.4
5°	964.1	965.2	957.9	960.0	955.8	954.7	953.7	960.0	958.9	957.9	960.0
7.5°	907.8	907.8	904.6	902.6	902.6	899.4	903.6	902.6	904.6	904.6	907.8
10°	860.8	862.9	857.7	852.5	851.4	852.5	852.5	853.5	854.6	861.9	860.8
12.5°	822.2	819.1	818.0	814.9	809.7	807.6	805.5	817.0	813.9	813.9	813.9
15°	779.4	786.7	785.7	776.3	774.2	778.4	776.3	776.3	786.7	785.7	784.7
17.5°	756.5	754.4	752.3	747.1	748.1	747.1	748.1	748.1	754.4	754.4	754.4
20°	730.4	726.2	726.2	724.1	724.1	721.0	725.2	726.2	730.4	730.4	731.4
22.5°	707.4	704.3	704.3	703.3	705.4	701.2	705.4	706.4	706.4	709.5	709.5
25°	687.6	685.5	685.5	687.6	687.6	687.6	687.6	691.8	688.7	689.7	688.7
27.5°	669.9	670.9	672.0	673.0	672.0	673.0	674.1	676.1	677.2	676.1	674.1
30°	653.2	656.3	657.4	657.4	659.4	660.5	661.5	661.5	662.6	659.4	661.5
32.5°	640.7	640.7	642.7	643.8	645.9	646.9	646.9	649.0	648.0	644.8	645.9
35°	622.9	622.9	627.1	629.2	632.3	631.3	632.3	632.3	633.4	631.3	628.1
37.5°	605.2	607.3	607.3	611.4	612.5	613.5	612.5	614.6	613.5	611.4	610.4
40°	584.3	583.3	584.3	587.4	588.5	588.5	588.5	590.6	590.6	590.6	589.5
42.5°	558.2	561.4	560.3	563.4	562.4	562.4	564.5	566.6	567.6	564.5	565.5
45°	533.2	533.2	535.3	535.3	536.3	536.3	540.5	538.4	540.5	538.4	539.5
47.5°	506.1	507.1	507.1	508.1	510.2	512.3	510.2	511.3	511.3	512.3	510.2
50°	475.8	475.8	477.9	481.0	485.2	483.1	482.1	486.2	483.1	483.1	481.0
52.5°	444.5	447.6	448.7	451.8	454.9	456.0	457.0	454.9	456.0	452.8	453.9
55°	414.2	415.3	419.5	422.6	425.7	425.7	424.7	425.7	426.8	422.6	422.6
57.5°	384.0	387.1	391.3	391.3	395.5	395.5	394.4	394.4	395.5	392.3	391.3
60°	351.6	354.8	360.0	360.0	366.2	367.3	365.2	363.1	363.1	360.0	361.0
62.5°	317.2	320.3	323.5	328.7	332.9	330.8	334.9	330.8	331.8	325.5	325.5
65°	286.9	288.0	293.2	298.4	298.4	300.5	298.4	299.5	296.3	296.3	292.2
67.5°	251.5	251.5	256.7	261.9	267.1	267.1	267.1	264.0	264.0	260.9	260.9
70°	220.2	219.1	224.3	227.5	230.6	231.6	229.6	228.5	226.4	223.3	222.2
72.5°	181.6	183.6	188.9	190.9	196.2	195.1	200.3	194.1	194.1	188.9	187.8
75°	147.1	149.2	154.4	157.6	160.7	160.7	163.8	160.7	156.5	154.4	153.4
77.5°	116.9	115.8	120.0	125.2	126.3	125.2	127.3	126.3	122.1	122.1	120.0
80°	83.5	86.6	90.8	89.7	93.9	92.9	92.9	90.8	90.8	87.6	89.7
82.5°	55.3	58.4	59.5	58.4	59.5	61.6	62.6	61.6	61.6	59.5	60.5
85°	29.2	29.2	31.3	32.3	31.3	31.3	32.3	35.5	33.4	31.3	33.4
87.5°	9.4	8.3	8.3	9.4	8.3	8.3	9.4	9.4	10.4	10.4	10.4
90°	15.8	16.4	15.9	16.4	17.0	16.4	17.0	16.4	15.9	16.4	15.8
92.5°	36.0	34.0	32.9	30.6	31.2	30.0	31.2	30.6	32.9	34.0	36.0
95°	98.0	87.8	77.1	72.0	68.0	65.7	68.0	72.0	77.1	87.8	98.0
97.5°	246.5	214.2	176.2	154.7	141.1	134.9	141.1	154.7	176.2	214.2	246.5
100°	515.6	475.4	418.2	376.8	354.7	355.3	354.7	376.8	418.2	475.4	515.6
102.5°	690.4	668.6	627.2	596.6	579.1	562.6	579.1	596.6	627.2	668.6	690.4
105°	796.6	789.3	763.2	741.7	723.6	720.7	723.6	741.7	763.2	789.3	796.6
107.5°	843.4	851.0	847.6	837.4	830.1	823.8	830.1	837.4	847.6	851.0	843.4
110°	844.8	864.6	880.5	885.0	883.9	882.8	883.9	885.0	880.5	864.6	844.8

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	812.8	839.7	872.0	888.4	894.1	894.7	894.1	888.4	872.0	839.7	812.8
115°	764.0	794.9	837.4	862.4	873.7	876.5	873.7	862.4	837.4	794.9	764.0
117.5°	711.9	743.9	788.1	815.9	832.9	836.9	832.9	815.9	788.1	743.9	711.9
120°	662.6	691.3	736.0	767.7	781.3	784.7	781.3	767.7	736.0	691.3	662.6
122.5°	623.8	649.9	688.4	716.2	731.5	736.0	731.5	716.2	688.4	649.9	623.8
125°	589.2	611.9	648.2	673.1	687.3	691.3	687.3	673.1	648.2	611.9	589.2
127.5°	561.0	581.9	614.8	636.3	649.3	652.7	649.3	636.3	614.8	581.9	561.0
130°	534.8	554.1	584.2	604.6	616.5	621.0	616.5	604.6	584.2	554.1	534.8
132.5°	510.5	528.6	556.4	576.8	587.0	589.8	587.0	576.8	556.4	528.6	510.5
135°	485.2	501.4	529.2	546.2	556.4	560.4	556.4	546.2	529.2	501.4	485.2
137.5°	461.4	475.9	499.7	517.3	525.8	529.2	525.8	517.3	499.7	475.9	461.4
140°	438.2	450.4	472.0	487.8	496.9	496.3	496.9	487.8	472.0	450.4	438.2
142.5°	417.0	427.2	444.8	458.4	466.3	465.7	466.3	458.4	444.8	427.2	417.0
145°	398.0	406.3	420.4	432.3	436.9	438.0	436.9	432.3	420.4	406.3	398.0
147.5°	383.4	389.3	400.6	409.1	413.6	414.2	413.6	409.1	400.6	389.3	383.4
150°	370.3	375.7	384.2	390.4	393.8	393.8	393.8	390.4	384.2	375.7	370.3
152.5°	359.0	363.2	369.4	375.1	376.8	376.8	376.8	375.1	369.4	363.2	359.0
155°	348.5	351.9	357.0	361.5	362.6	363.2	362.6	361.5	357.0	351.9	348.5
157.5°	338.2	341.1	345.6	349.0	350.2	350.2	350.2	349.0	345.6	341.1	338.2
160°	328.9	330.9	334.9	338.3	338.3	337.7	338.3	338.3	334.9	330.9	328.9
162.5°	320.1	321.8	324.1	326.9	326.9	326.4	326.9	326.9	324.1	321.8	320.1
165°	311.4	312.8	315.0	317.3	316.7	316.7	316.7	317.3	315.0	312.8	311.4
167.5°	303.7	304.8	306.0	307.7	307.1	307.1	307.1	307.7	306.0	304.8	303.7
170°	296.9	297.5	298.0	299.2	298.6	298.6	298.6	299.2	298.0	297.5	296.9
172.5°	291.0	291.2	291.2	292.4	291.2	290.7	291.2	292.4	291.2	291.2	291.0
175°	285.6	285.6	285.6	286.1	285.6	285.0	285.6	286.1	285.6	285.6	285.6
177.5°	282.2	282.2	281.6	282.2	281.0	281.0	281.0	282.2	281.6	282.2	282.2
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1022.6	1024.6	1025.7	1021.5	1018.4	1023.6	1030.9	1036.1	1040.3	1045.5	1048.6
5°	962.0	969.3	969.3	971.4	974.6	979.8	993.3	1002.7	1011.1	1017.3	1022.6
7.5°	910.9	916.1	919.3	924.5	929.7	937.0	952.6	966.2	978.7	986.0	994.4
10°	865.0	869.2	874.4	877.5	886.9	897.3	917.2	928.6	943.3	954.7	965.2
12.5°	821.2	835.8	838.9	837.9	846.2	857.7	877.5	895.3	910.9	922.4	933.9
15°	789.9	795.1	801.4	800.3	818.0	821.2	837.9	858.7	879.6	886.9	897.3
17.5°	755.4	763.8	770.0	773.2	778.4	789.9	805.5	821.2	848.3	849.3	876.5
20°	728.3	736.7	740.8	745.0	748.1	761.7	775.3	793.0	814.9	826.4	841.0
22.5°	710.6	714.7	717.9	721.0	725.2	732.5	749.2	769.0	783.6	796.1	805.5
25°	689.7	693.9	698.1	700.1	703.3	707.4	720.0	735.6	756.5	764.8	774.2
27.5°	675.1	675.1	677.2	677.2	681.4	685.5	694.9	709.5	726.2	736.7	749.2
30°	659.4	658.4	659.4	658.4	657.4	663.6	672.0	684.5	696.0	708.5	716.8
32.5°	643.8	642.7	642.7	643.8	639.6	642.7	646.9	658.4	670.9	677.2	686.6
35°	627.1	625.0	625.0	625.0	622.9	620.8	625.0	635.4	643.8	652.1	659.4
37.5°	610.4	607.3	607.3	605.2	603.1	600.0	600.0	608.3	619.8	622.9	632.3
40°	587.4	587.4	585.4	584.3	582.2	580.1	577.0	584.3	594.8	597.9	605.2
42.5°	564.5	561.4	560.3	560.3	560.3	557.2	555.1	560.3	566.6	571.8	576.0
45°	538.4	536.3	537.4	536.3	534.2	533.2	532.1	534.2	541.5	543.6	548.8
47.5°	510.2	509.2	509.2	508.1	507.1	508.1	504.0	509.2	511.3	513.4	517.5
50°	481.0	480.0	478.9	477.9	477.9	478.9	477.9	477.9	482.1	484.1	488.3
52.5°	451.8	448.7	448.7	447.6	447.6	445.5	447.6	448.7	450.8	452.8	454.9
55°	420.5	420.5	417.4	417.4	415.3	415.3	416.3	415.3	419.5	421.5	421.5
57.5°	390.2	386.1	387.1	385.0	382.9	381.9	381.9	384.0	386.1	386.1	388.2
60°	357.9	353.7	352.7	348.5	350.6	347.5	348.5	348.5	352.7	350.6	352.7
62.5°	325.5	320.3	317.2	315.1	315.1	316.2	314.1	313.0	315.1	317.2	321.4
65°	291.1	288.0	284.9	281.7	281.7	280.7	282.8	279.6	278.6	279.6	281.7
67.5°	255.6	252.5	249.4	246.2	247.3	244.2	242.1	245.2	243.1	244.2	246.2
70°	221.2	219.1	212.9	210.8	209.7	210.8	209.7	207.6	210.8	209.7	210.8
72.5°	186.8	184.7	181.6	176.3	176.3	175.3	174.3	174.3	173.2	173.2	173.2
75°	153.4	149.2	146.1	145.0	142.9	141.9	140.9	138.8	139.8	140.9	138.8
77.5°	119.0	113.7	112.7	112.7	109.6	109.6	110.6	109.6	108.5	108.5	108.5
80°	87.6	83.5	83.5	81.4	79.3	79.3	79.3	79.3	78.3	77.2	78.3
82.5°	56.3	55.3	54.3	54.3	56.3	52.2	54.3	53.2	52.2	52.2	51.1
85°	31.3	32.3	31.3	32.3	30.3	31.3	31.3	31.3	30.3	31.3	29.2
87.5°	11.5	11.5	11.5	12.5	12.5	12.5	12.5	12.5	13.6	12.5	12.5
90°	15.3	14.7	14.2	13.6	14.2	12.5	10.8	9.1	7.4	6.8	6.2
92.5°	38.0	43.6	56.1	78.8	105.4	116.7	87.3	57.2	39.1	34.0	28.9
95°	108.2	138.3	204.0	272.5	336.0	299.2	206.2	121.8	73.7	62.6	51.6
97.5°	278.8	353.6	468.6	534.3	516.7	385.9	229.5	131.5	83.9	71.7	59.5
100°	555.8	622.1	668.0	648.2	536.6	362.6	213.6	129.8	90.1	79.0	68.0
102.5°	712.2	743.9	734.3	653.9	499.7	328.6	200.0	132.0	97.5	87.6	77.6
105°	804.0	793.2	736.6	618.2	455.5	302.0	194.9	136.6	106.0	97.2	88.4
107.5°	835.7	791.5	702.6	567.2	416.5	282.7	193.8	143.9	116.7	108.5	100.3
110°	825.0	753.6	649.3	519.6	384.2	272.5	196.6	153.5	128.1	120.2	112.2

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	785.9	703.7	596.6	478.2	362.6	266.9	202.3	163.2	140.0	132.4	124.7
115°	733.2	649.9	551.3	446.5	348.5	266.3	208.5	173.9	152.4	144.8	137.1
117.5°	679.9	603.4	516.2	425.5	338.8	266.9	216.4	185.3	163.7	156.6	149.6
120°	634.0	566.0	489.5	409.7	332.6	269.1	225.5	196.0	175.6	168.6	161.5
122.5°	597.8	536.0	468.6	396.6	328.6	273.1	234.0	207.4	187.5	179.8	172.2
125°	566.6	512.2	450.4	385.9	325.2	277.1	243.1	218.1	198.3	190.6	183.0
127.5°	540.0	490.1	434.0	375.7	323.5	281.6	250.4	227.8	208.5	200.8	193.2
130°	515.6	469.7	418.7	367.7	321.8	286.1	257.8	236.3	217.6	210.0	202.3
132.5°	492.4	450.4	404.6	360.4	321.3	289.5	264.6	243.6	225.5	218.2	210.8
135°	469.1	432.3	392.1	354.1	320.7	292.9	270.3	251.0	233.4	225.8	218.1
137.5°	447.0	414.2	380.2	348.5	319.6	295.2	274.8	256.1	239.1	232.0	224.9
140°	426.1	398.9	370.0	343.4	319.0	297.5	278.2	261.2	244.8	237.7	230.6
142.5°	406.8	384.2	360.4	338.8	317.9	299.2	281.6	265.2	249.3	242.8	236.3
145°	389.8	371.7	353.0	334.9	316.7	299.7	283.9	268.6	253.8	247.3	240.8
147.5°	377.4	362.1	346.8	330.9	315.0	299.7	285.6	271.4	257.8	252.2	246.5
150°	364.9	353.0	340.0	326.9	312.8	299.7	286.1	274.2	261.2	256.1	251.0
152.5°	354.7	344.5	333.7	322.4	309.9	298.0	287.3	275.9	265.2	260.4	255.5
155°	345.1	336.6	327.5	317.9	306.5	296.9	287.3	278.2	268.6	264.6	260.6
157.5°	335.4	328.6	320.7	312.8	303.7	295.2	287.8	279.3	271.4	268.3	265.2
160°	326.9	321.3	315.0	307.7	300.3	294.1	287.8	281.0	274.2	271.4	268.6
162.5°	318.4	313.3	308.2	302.6	296.9	291.8	287.3	281.6	275.9	273.6	271.4
165°	309.9	306.0	302.6	298.0	293.5	289.5	286.1	282.2	277.6	275.6	273.7
167.5°	302.6	300.3	297.5	293.5	290.1	287.3	285.6	282.2	278.8	277.4	275.9
170°	296.3	294.1	292.4	289.5	286.7	285.0	283.9	281.6	278.8	278.2	277.6
172.5°	290.7	289.0	287.8	285.6	283.9	283.3	283.3	281.6	279.3	279.0	278.8
175°	285.6	284.4	283.9	282.7	281.6	281.6	282.2	281.0	279.9	279.6	279.3
177.5°	282.2	281.6	281.0	280.5	279.9	280.5	281.6	280.5	279.9	279.9	279.9
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1076.8	1076.8	1076.8	1076.8
2.5°	1053.9	1057.0	1067.4	1079.9
5°	1033.0	1041.3	1055.9	1075.8
7.5°	1010.0	1022.6	1043.4	1068.5
10°	983.9	1001.7	1027.8	1059.1
12.5°	955.8	978.7	1012.1	1044.5
15°	938.0	961.0	991.3	1026.7
17.5°	903.6	930.7	962.0	1012.1
20°	868.1	898.4	939.1	989.2
22.5°	841.0	873.3	912.0	965.2
25°	808.7	842.0	883.8	939.1
27.5°	774.2	807.6	854.6	913.0
30°	748.1	780.5	825.3	888.0
32.5°	716.8	748.1	795.1	860.8
35°	681.4	716.8	761.7	828.5
37.5°	654.2	686.6	733.5	797.2
40°	625.0	653.2	699.1	761.7
42.5°	593.7	625.0	664.7	727.3
45°	564.5	587.4	628.1	687.6
47.5°	533.2	559.3	590.6	636.5
50°	499.8	521.7	556.1	587.4
52.5°	467.5	485.2	514.4	538.4
55°	433.0	450.8	472.7	487.3
57.5°	400.7	413.2	427.8	437.2
60°	361.0	373.5	382.9	392.3
62.5°	325.5	334.9	340.2	345.4
65°	289.0	294.2	297.4	301.5
67.5°	249.4	254.6	255.6	261.9
70°	212.9	213.9	216.0	219.1
72.5°	178.4	180.5	179.5	181.6
75°	142.9	145.0	142.9	145.0
77.5°	108.5	110.6	110.6	113.7
80°	78.3	79.3	80.3	80.3
82.5°	51.1	54.3	52.2	53.2
85°	29.2	30.3	30.3	31.3
87.5°	13.6	14.6	13.6	15.7
90°	5.1	3.4	2.3	1.1
92.5°	23.2	18.1	12.5	8.5
95°	36.8	27.2	21.0	19.3
97.5°	44.8	36.3	31.2	30.6
100°	54.4	46.5	42.5	41.9
102.5°	65.7	58.4	55.0	53.8
105°	77.6	70.8	67.4	65.7
107.5°	90.1	83.3	79.9	78.2
110°	102.6	96.3	93.5	91.8

TEST NUMBER: P1012031

CATALOG NUMBER: S123DIP-B775D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	115.0	108.8	106.0	104.3
115°	127.5	121.8	118.4	116.2
117.5°	138.8	133.7	130.9	128.1
120°	150.7	145.1	142.2	140.5
122.5°	162.0	155.8	153.0	151.3
125°	172.2	166.0	162.6	161.5
127.5°	181.3	175.1	171.1	169.4
130°	190.4	183.6	178.5	176.8
132.5°	198.9	190.4	184.7	182.4
135°	206.2	197.7	191.5	189.2
137.5°	213.0	204.0	197.7	195.5
140°	219.3	210.2	204.5	201.7
142.5°	224.9	217.0	210.8	208.5
145°	231.2	222.7	217.6	215.9
147.5°	236.8	229.5	224.4	223.2
150°	243.1	235.7	231.2	230.6
152.5°	248.7	242.5	238.0	238.0
155°	254.4	248.7	245.3	245.3
157.5°	259.5	254.4	251.6	251.0
160°	264.6	260.1	257.8	257.8
162.5°	268.0	264.6	262.9	262.9
165°	271.4	268.6	267.4	268.0
167.5°	274.2	272.0	271.4	272.0
170°	276.5	274.8	274.2	275.4
172.5°	278.2	277.1	277.1	277.6
175°	279.3	278.2	278.8	279.3
177.5°	279.9	279.3	279.9	280.5
180°	279.9	279.9	279.9	279.9

(END OF REPORT)