

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: P1011897

Luminaire Tested: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011897
REPORT IS A COMBINATION OF REPORTS P990221 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D1025UB27-4F0-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

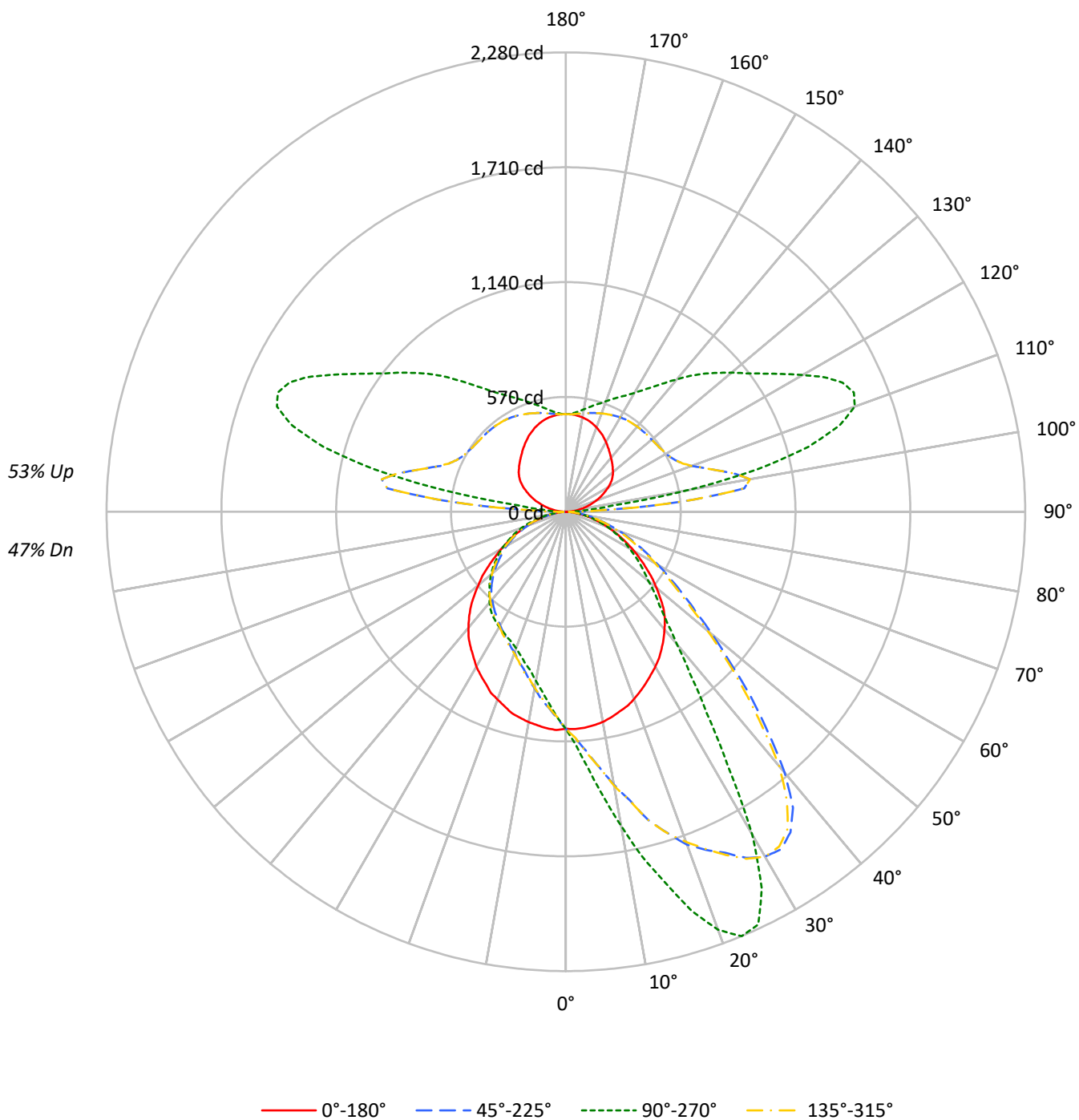
Lumens per Lamp: N/A
Luminaire Lumens: 6893.0 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 64.4
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					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	54	54	54	47	47	47
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40	40	40
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34	34	34
3	81	72	65	59	74	66	60	55	56	51	48	47	43	40	38	35	33	29	29	29
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25	25	25
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	28	25	22	22	22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22	19	19	19
7	58	46	38	33	53	43	36	31	37	31	27	31	27	23	25	22	20	17	17	17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	15	15	15
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	21	18	16	14	14	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13	13	13

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18693 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	1.5
10°-20°	340.1	4.9
20°-30°	572.3	8.3
30°-40°	646.8	9.4
40°-50°	579.3	8.4
50°-60°	467.6	6.8
60°-70°	325.9	4.7
70°-80°	171.0	2.5
80°-90°	43.7	0.6
90°-100°	262.6	3.8
100°-110°	768.8	11.2
110°-120°	750.8	10.9
120°-130°	597.9	8.7
130°-140°	471.8	6.8
140°-150°	351.9	5.1
150°-160°	245.4	3.6
160°-170°	144.1	2.1
170°-180°	46.9	0.7
0°-30°	1018.4	14.8
0°-40°	1665.2	24.2
0°-60°	2712.1	39.3
0°-90°	3252.7	47.2
90°-120°	1782.3	25.9
90°-150°	3203.9	46.5
90°-180°	3640.0	52.8
0°-180°	6893.0	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°	2	28	2	28	2	5
95°	33	114	33	114	33	35
105°	114	1246	114	1246	114	121
115°	201	1516	201	1516	201	199
125°	279	1195	279	1195	279	248
135°	327	969	327	969	327	253
145°	373	757	373	757	373	234
155°	424	628	424	628	424	195
165°	463	548	463	548	463	131
175°	483	493	483	493	483	46
180°	484	484	484	484	484	

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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°	2.0	3.9	5.9	8.8	10.8	11.8	12.7	15.7	18.6	21.6	24.5
92.5°	14.7	21.6	31.3	40.2	50.0	58.8	67.6	98.9	150.9	201.8	182.2
95°	33.3	36.2	47.0	63.7	89.1	108.2	127.4	210.6	356.6	517.3	580.9
97.5°	52.9	53.9	62.7	77.4	102.9	124.0	145.0	227.3	396.8	667.1	893.4
100°	72.5	73.5	80.3	94.0	117.6	136.7	155.8	224.3	369.3	627.0	927.7
102.5°	93.1	95.0	100.9	113.6	134.2	151.4	168.5	228.3	345.8	568.2	864.1
105°	113.6	116.6	122.5	134.2	152.8	168.0	183.2	236.1	337.0	522.2	787.6
107.5°	135.2	138.1	144.0	155.8	173.4	187.6	201.8	248.8	335.0	488.8	720.0
110°	158.7	161.6	166.5	177.3	194.0	207.7	221.4	265.5	339.9	471.2	664.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	180.3	183.2	188.1	198.9	215.5	228.8	242.0	282.1	349.7	461.4	627.0
115°	200.8	204.7	210.6	220.4	237.1	250.3	263.5	300.8	360.5	460.4	602.5
117.5°	221.4	226.3	231.2	240.0	258.6	270.8	283.1	320.3	374.2	461.4	585.8
120°	243.0	245.9	250.8	260.6	279.2	291.4	303.7	339.0	389.9	465.3	575.1
122.5°	261.6	264.5	269.4	280.2	297.8	311.0	324.3	358.6	404.6	472.2	568.2
125°	279.2	281.2	287.0	297.8	316.4	329.6	342.9	377.2	420.3	479.1	562.3
127.5°	292.9	295.9	302.7	313.5	334.1	347.3	360.5	393.8	433.0	486.9	559.4
130°	305.7	308.6	317.4	329.2	349.7	363.0	376.2	408.5	445.7	494.7	556.4
132.5°	315.4	319.4	329.2	343.9	364.4	377.2	389.9	421.3	457.5	500.6	555.5
135°	327.2	331.1	341.9	356.6	377.2	390.4	403.6	434.0	467.3	506.5	554.5
137.5°	338.0	341.9	352.7	368.4	388.9	401.2	413.4	442.8	475.1	510.4	552.5
140°	348.8	353.7	363.5	379.1	398.7	411.0	423.2	451.6	481.0	514.3	551.5
142.5°	360.5	364.4	375.2	388.9	408.5	419.8	431.0	458.5	486.9	517.3	549.6
145°	373.2	376.2	385.0	399.7	416.4	427.6	438.9	464.4	490.8	518.2	547.6
147.5°	386.0	387.9	396.8	409.5	426.2	436.0	445.7	469.3	493.7	518.2	544.7
150°	398.7	399.7	407.5	420.3	434.0	442.8	451.6	474.2	494.7	518.2	540.8
152.5°	411.5	411.5	419.3	430.1	441.8	450.2	458.5	477.1	496.7	515.3	535.9
155°	424.2	424.2	430.1	439.9	450.6	457.5	464.4	481.0	496.7	513.3	530.0
157.5°	434.0	435.0	439.9	448.7	458.5	463.9	469.3	483.0	497.7	510.4	525.1
160°	445.7	445.7	449.7	457.5	464.4	469.3	474.2	485.9	497.7	508.4	519.2
162.5°	454.6	454.6	457.5	463.4	469.3	473.2	477.1	486.9	496.7	504.5	513.3
165°	463.4	462.4	464.4	469.3	473.2	476.6	480.0	487.9	494.7	500.6	507.5
167.5°	470.2	469.3	470.2	474.2	477.1	479.6	482.0	487.9	493.7	496.7	501.6
170°	476.1	474.2	475.1	478.1	480.0	481.0	482.0	486.9	490.8	492.8	495.7
172.5°	480.0	479.1	479.1	481.0	482.0	482.5	483.0	486.9	489.8	489.8	490.8
175°	483.0	482.0	481.0	483.0	483.0	483.4	483.9	485.9	487.9	486.9	486.9
177.5°	484.9	483.9	483.0	483.9	483.9	483.9	483.9	484.9	486.9	484.9	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

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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°	23.5	24.5	25.5	26.5	27.4	28.4	27.4	28.4	29.4	28.4	29.4
92.5°	136.2	97.0	75.4	65.6	62.2	58.8	56.8	52.9	53.9	51.9	53.9
95°	471.2	352.7	239.0	187.1	169.4	151.8	133.2	124.4	117.6	113.6	117.6
97.5°	923.8	810.2	611.3	482.0	426.2	370.3	304.7	267.4	243.9	233.2	243.9
100°	1120.7	1155.0	1075.7	961.0	891.4	821.9	723.0	651.5	613.3	614.2	613.3
102.5°	1130.5	1269.6	1286.3	1231.4	1193.7	1156.0	1084.5	1031.6	1001.2	972.8	1001.2
105°	1068.8	1273.6	1371.5	1390.1	1377.4	1364.7	1319.6	1282.4	1251.0	1246.1	1251.0
107.5°	980.6	1214.8	1368.6	1445.0	1458.2	1471.4	1465.6	1447.9	1435.2	1424.4	1435.2
110°	898.3	1122.7	1302.9	1426.4	1460.7	1495.0	1522.4	1530.2	1528.3	1526.3	1528.3

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	826.8	1031.6	1216.7	1358.8	1405.3	1451.8	1507.7	1536.1	1545.9	1546.9	1545.9
115°	772.0	953.2	1123.7	1267.7	1321.1	1374.5	1447.9	1491.0	1510.6	1515.5	1510.6
117.5°	735.7	892.5	1043.3	1175.6	1230.9	1286.3	1362.7	1410.7	1440.1	1447.0	1440.1
120°	708.3	846.4	978.7	1096.2	1145.7	1195.2	1272.6	1327.4	1350.9	1356.8	1350.9
122.5°	685.8	810.2	926.8	1033.5	1078.6	1123.7	1190.3	1238.3	1264.7	1272.6	1264.7
125°	667.1	778.8	885.6	979.7	1018.8	1058.0	1120.7	1163.8	1188.3	1195.2	1188.3
127.5°	649.5	750.4	847.4	933.6	969.8	1006.1	1062.9	1100.2	1122.7	1128.6	1122.7
130°	635.8	724.0	812.1	891.5	924.8	958.1	1010.0	1045.3	1065.9	1073.7	1065.9
132.5°	623.1	699.5	778.8	851.3	882.6	914.0	962.0	997.3	1014.9	1019.8	1014.9
135°	612.3	677.9	747.5	811.2	839.1	867.0	915.0	944.4	962.0	968.9	962.0
137.5°	602.5	657.3	716.1	772.9	797.9	822.9	864.1	894.4	909.1	915.0	909.1
140°	593.7	639.7	689.7	736.7	757.8	778.8	816.1	843.5	859.2	858.2	859.2
142.5°	585.8	623.1	664.2	703.4	721.0	738.7	769.0	792.5	806.3	805.3	806.3
145°	579.0	610.3	642.7	674.0	688.2	702.4	726.9	747.5	755.3	757.3	755.3
147.5°	572.1	599.5	626.0	652.5	662.8	673.0	692.6	707.3	715.1	716.1	715.1
150°	565.3	587.8	610.3	630.9	640.2	649.5	664.2	675.0	680.9	680.9	680.9
152.5°	557.4	577.0	595.6	613.3	620.6	628.0	638.7	648.5	651.5	651.5	651.5
155°	549.6	566.2	581.9	596.6	602.5	608.4	617.2	625.0	627.0	628.0	627.0
157.5°	540.8	554.5	568.2	580.0	584.9	589.8	597.6	603.5	605.4	605.4	605.4
160°	532.0	544.7	555.5	565.3	568.7	572.1	579.0	584.9	584.9	583.9	584.9
162.5°	523.1	532.9	541.7	550.6	553.5	556.4	560.4	565.3	565.3	564.3	565.3
165°	515.3	523.1	529.0	535.9	538.3	540.8	544.7	548.6	547.6	547.6	547.6
167.5°	507.5	514.3	519.2	523.1	525.1	527.1	529.0	532.0	531.0	531.0	531.0
170°	500.6	505.5	508.4	512.4	513.3	514.3	515.3	517.3	516.3	516.3	516.3
172.5°	493.7	497.7	499.6	502.6	503.0	503.5	503.5	505.5	503.5	502.6	503.5
175°	488.8	490.8	491.8	493.7	493.7	493.7	493.7	494.7	493.7	492.8	493.7
177.5°	484.9	485.9	486.9	487.9	487.9	487.9	486.9	487.9	485.9	485.9	485.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-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°	28.4	27.4	28.4	27.4	26.5	25.5	24.5	23.5	24.5	21.6	18.6
92.5°	52.9	56.8	58.8	62.2	65.6	75.4	97.0	136.2	182.2	201.8	150.9
95°	124.4	133.2	151.8	169.4	187.1	239.0	352.7	471.2	580.9	517.3	356.6
97.5°	267.4	304.7	370.3	426.2	482.0	611.3	810.2	923.8	893.4	667.1	396.8
100°	651.5	723.0	821.9	891.4	961.0	1075.7	1155.0	1120.7	927.7	627.0	369.3
102.5°	1031.6	1084.5	1156.0	1193.7	1231.4	1286.3	1269.6	1130.5	864.1	568.2	345.8
105°	1282.4	1319.6	1364.7	1377.4	1390.1	1371.5	1273.6	1068.8	787.6	522.2	337.0
107.5°	1447.9	1465.6	1471.4	1458.2	1445.0	1368.6	1214.8	980.6	720.0	488.8	335.0
110°	1530.2	1522.4	1495.0	1460.7	1426.4	1302.9	1122.7	898.3	664.2	471.2	339.9

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1536.1	1507.7	1451.8	1405.3	1358.8	1216.7	1031.6	826.8	627.0	461.4	349.7
115°	1491.0	1447.9	1374.5	1321.1	1267.7	1123.7	953.2	772.0	602.5	460.4	360.5
117.5°	1410.7	1362.7	1286.3	1230.9	1175.6	1043.3	892.5	735.7	585.8	461.4	374.2
120°	1327.4	1272.6	1195.2	1145.7	1096.2	978.7	846.4	708.3	575.1	465.3	389.9
122.5°	1238.3	1190.3	1123.7	1078.6	1033.5	926.8	810.2	685.8	568.2	472.2	404.6
125°	1163.8	1120.7	1058.0	1018.8	979.7	885.6	778.8	667.1	562.3	479.1	420.3
127.5°	1100.2	1062.9	1006.1	969.8	933.6	847.4	750.4	649.5	559.4	486.9	433.0
130°	1045.3	1010.0	958.1	924.8	891.5	812.1	724.0	635.8	556.4	494.7	445.7
132.5°	997.3	962.0	914.0	882.6	851.3	778.8	699.5	623.1	555.5	500.6	457.5
135°	944.4	915.0	867.0	839.1	811.2	747.5	677.9	612.3	554.5	506.5	467.3
137.5°	894.4	864.1	822.9	797.9	772.9	716.1	657.3	602.5	552.5	510.4	475.1
140°	843.5	816.1	778.8	757.8	736.7	689.7	639.7	593.7	551.5	514.3	481.0
142.5°	792.5	769.0	738.7	721.0	703.4	664.2	623.1	585.8	549.6	517.3	486.9
145°	747.5	726.9	702.4	688.2	674.0	642.7	610.3	579.0	547.6	518.2	490.8
147.5°	707.3	692.6	673.0	662.8	652.5	626.0	599.5	572.1	544.7	518.2	493.7
150°	675.0	664.2	649.5	640.2	630.9	610.3	587.8	565.3	540.8	518.2	494.7
152.5°	648.5	638.7	628.0	620.6	613.3	595.6	577.0	557.4	535.9	515.3	496.7
155°	625.0	617.2	608.4	602.5	596.6	581.9	566.2	549.6	530.0	513.3	496.7
157.5°	603.5	597.6	589.8	584.9	580.0	568.2	554.5	540.8	525.1	510.4	497.7
160°	584.9	579.0	572.1	568.7	565.3	555.5	544.7	532.0	519.2	508.4	497.7
162.5°	565.3	560.4	556.4	553.5	550.6	541.7	532.9	523.1	513.3	504.5	496.7
165°	548.6	544.7	540.8	538.3	535.9	529.0	523.1	515.3	507.5	500.6	494.7
167.5°	532.0	529.0	527.1	525.1	523.1	519.2	514.3	507.5	501.6	496.7	493.7
170°	517.3	515.3	514.3	513.3	512.4	508.4	505.5	500.6	495.7	492.8	490.8
172.5°	505.5	503.5	503.5	503.0	502.6	499.6	497.7	493.7	490.8	489.8	489.8
175°	494.7	493.7	493.7	493.7	493.7	491.8	490.8	488.8	486.9	486.9	487.9
177.5°	487.9	486.9	487.9	487.9	487.9	486.9	485.9	484.9	483.9	484.9	486.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-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°	15.7	12.7	11.8	10.8	8.8	5.9	3.9	2.0	3.9	5.9	8.8
92.5°	98.9	67.6	58.8	50.0	40.2	31.3	21.6	14.7	21.6	31.3	40.2
95°	210.6	127.4	108.2	89.1	63.7	47.0	36.2	33.3	36.2	47.0	63.7
97.5°	227.3	145.0	124.0	102.9	77.4	62.7	53.9	52.9	53.9	62.7	77.4
100°	224.3	155.8	136.7	117.6	94.0	80.3	73.5	72.5	73.5	80.3	94.0
102.5°	228.3	168.5	151.4	134.2	113.6	100.9	95.0	93.1	95.0	100.9	113.6
105°	236.1	183.2	168.0	152.8	134.2	122.5	116.6	113.6	116.6	122.5	134.2
107.5°	248.8	201.8	187.6	173.4	155.8	144.0	138.1	135.2	138.1	144.0	155.8
110°	265.5	221.4	207.7	194.0	177.3	166.5	161.6	158.7	161.6	166.5	177.3

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	282.1	242.0	228.8	215.5	198.9	188.1	183.2	180.3	183.2	188.1	198.9
115°	300.8	263.5	250.3	237.1	220.4	210.6	204.7	200.8	204.7	210.6	220.4
117.5°	320.3	283.1	270.8	258.6	240.0	231.2	226.3	221.4	226.3	231.2	240.0
120°	339.0	303.7	291.4	279.2	260.6	250.8	245.9	243.0	245.9	250.8	260.6
122.5°	358.6	324.3	311.0	297.8	280.2	269.4	264.5	261.6	264.5	269.4	280.2
125°	377.2	342.9	329.6	316.4	297.8	287.0	281.2	279.2	281.2	287.0	297.8
127.5°	393.8	360.5	347.3	334.1	313.5	302.7	295.9	292.9	295.9	302.7	313.5
130°	408.5	376.2	363.0	349.7	329.2	317.4	308.6	305.7	308.6	317.4	329.2
132.5°	421.3	389.9	377.2	364.4	343.9	329.2	319.4	315.4	319.4	329.2	343.9
135°	434.0	403.6	390.4	377.2	356.6	341.9	331.1	327.2	331.1	341.9	356.6
137.5°	442.8	413.4	401.2	388.9	368.4	352.7	341.9	338.0	341.9	352.7	368.4
140°	451.6	423.2	411.0	398.7	379.1	363.5	353.7	348.8	353.7	363.5	379.1
142.5°	458.5	431.0	419.8	408.5	388.9	375.2	364.4	360.5	364.4	375.2	388.9
145°	464.4	438.9	427.6	416.4	399.7	385.0	376.2	373.2	376.2	385.0	399.7
147.5°	469.3	445.7	436.0	426.2	409.5	396.8	387.9	386.0	387.9	396.8	409.5
150°	474.2	451.6	442.8	434.0	420.3	407.5	399.7	398.7	399.7	407.5	420.3
152.5°	477.1	458.5	450.2	441.8	430.1	419.3	411.5	411.5	411.5	419.3	430.1
155°	481.0	464.4	457.5	450.6	439.9	430.1	424.2	424.2	424.2	430.1	439.9
157.5°	483.0	469.3	463.9	458.5	448.7	439.9	435.0	434.0	435.0	439.9	448.7
160°	485.9	474.2	469.3	464.4	457.5	449.7	445.7	445.7	445.7	449.7	457.5
162.5°	486.9	477.1	473.2	469.3	463.4	457.5	454.6	454.6	454.6	457.5	463.4
165°	487.9	480.0	476.6	473.2	469.3	464.4	462.4	463.4	462.4	464.4	469.3
167.5°	487.9	482.0	479.6	477.1	474.2	470.2	469.3	470.2	469.3	470.2	474.2
170°	486.9	482.0	481.0	480.0	478.1	475.1	474.2	476.1	474.2	475.1	478.1
172.5°	486.9	483.0	482.5	482.0	481.0	479.1	479.1	480.0	479.1	479.1	481.0
175°	485.9	483.9	483.4	483.0	483.0	481.0	482.0	483.0	482.0	481.0	483.0
177.5°	484.9	483.9	483.9	483.9	483.9	483.0	483.9	484.9	483.9	483.0	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-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°	10.8	11.8	12.7	15.7	18.6	21.6	24.5	23.5	24.5	25.5	26.5
92.5°	50.0	58.8	67.6	98.9	150.9	201.8	182.2	136.2	97.0	75.4	65.6
95°	89.1	108.2	127.4	210.6	356.6	517.3	580.9	471.2	352.7	239.0	187.1
97.5°	102.9	124.0	145.0	227.3	396.8	667.1	893.4	923.8	810.2	611.3	482.0
100°	117.6	136.7	155.8	224.3	369.3	627.0	927.7	1120.7	1155.0	1075.7	961.0
102.5°	134.2	151.4	168.5	228.3	345.8	568.2	864.1	1130.5	1269.6	1286.3	1231.4
105°	152.8	168.0	183.2	236.1	337.0	522.2	787.6	1068.8	1273.6	1371.5	1390.1
107.5°	173.4	187.6	201.8	248.8	335.0	488.8	720.0	980.6	1214.8	1368.6	1445.0
110°	194.0	207.7	221.4	265.5	339.9	471.2	664.2	898.3	1122.7	1302.9	1426.4

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	215.5	228.8	242.0	282.1	349.7	461.4	627.0	826.8	1031.6	1216.7	1358.8
115°	237.1	250.3	263.5	300.8	360.5	460.4	602.5	772.0	953.2	1123.7	1267.7
117.5°	258.6	270.8	283.1	320.3	374.2	461.4	585.8	735.7	892.5	1043.3	1175.6
120°	279.2	291.4	303.7	339.0	389.9	465.3	575.1	708.3	846.4	978.7	1096.2
122.5°	297.8	311.0	324.3	358.6	404.6	472.2	568.2	685.8	810.2	926.8	1033.5
125°	316.4	329.6	342.9	377.2	420.3	479.1	562.3	667.1	778.8	885.6	979.7
127.5°	334.1	347.3	360.5	393.8	433.0	486.9	559.4	649.5	750.4	847.4	933.6
130°	349.7	363.0	376.2	408.5	445.7	494.7	556.4	635.8	724.0	812.1	891.5
132.5°	364.4	377.2	389.9	421.3	457.5	500.6	555.5	623.1	699.5	778.8	851.3
135°	377.2	390.4	403.6	434.0	467.3	506.5	554.5	612.3	677.9	747.5	811.2
137.5°	388.9	401.2	413.4	442.8	475.1	510.4	552.5	602.5	657.3	716.1	772.9
140°	398.7	411.0	423.2	451.6	481.0	514.3	551.5	593.7	639.7	689.7	736.7
142.5°	408.5	419.8	431.0	458.5	486.9	517.3	549.6	585.8	623.1	664.2	703.4
145°	416.4	427.6	438.9	464.4	490.8	518.2	547.6	579.0	610.3	642.7	674.0
147.5°	426.2	436.0	445.7	469.3	493.7	518.2	544.7	572.1	599.5	626.0	652.5
150°	434.0	442.8	451.6	474.2	494.7	518.2	540.8	565.3	587.8	610.3	630.9
152.5°	441.8	450.2	458.5	477.1	496.7	515.3	535.9	557.4	577.0	595.6	613.3
155°	450.6	457.5	464.4	481.0	496.7	513.3	530.0	549.6	566.2	581.9	596.6
157.5°	458.5	463.9	469.3	483.0	497.7	510.4	525.1	540.8	554.5	568.2	580.0
160°	464.4	469.3	474.2	485.9	497.7	508.4	519.2	532.0	544.7	555.5	565.3
162.5°	469.3	473.2	477.1	486.9	496.7	504.5	513.3	523.1	532.9	541.7	550.6
165°	473.2	476.6	480.0	487.9	494.7	500.6	507.5	515.3	523.1	529.0	535.9
167.5°	477.1	479.6	482.0	487.9	493.7	496.7	501.6	507.5	514.3	519.2	523.1
170°	480.0	481.0	482.0	486.9	490.8	492.8	495.7	500.6	505.5	508.4	512.4
172.5°	482.0	482.5	483.0	486.9	489.8	489.8	490.8	493.7	497.7	499.6	502.6
175°	483.0	483.4	483.9	485.9	487.9	486.9	486.9	488.8	490.8	491.8	493.7
177.5°	483.9	483.9	483.9	484.9	486.9	484.9	483.9	484.9	485.9	486.9	487.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-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°	27.4	28.4	27.4	28.4	29.4	28.4	29.4	28.4	27.4	28.4	27.4
92.5°	62.2	58.8	56.8	52.9	53.9	51.9	53.9	52.9	56.8	58.8	62.2
95°	169.4	151.8	133.2	124.4	117.6	113.6	117.6	124.4	133.2	151.8	169.4
97.5°	426.2	370.3	304.7	267.4	243.9	233.2	243.9	267.4	304.7	370.3	426.2
100°	891.4	821.9	723.0	651.5	613.3	614.2	613.3	651.5	723.0	821.9	891.4
102.5°	1193.7	1156.0	1084.5	1031.6	1001.2	972.8	1001.2	1031.6	1084.5	1156.0	1193.7
105°	1377.4	1364.7	1319.6	1282.4	1251.0	1246.1	1251.0	1282.4	1319.6	1364.7	1377.4
107.5°	1458.2	1471.4	1465.6	1447.9	1435.2	1424.4	1435.2	1447.9	1465.6	1471.4	1458.2
110°	1460.7	1495.0	1522.4	1530.2	1528.3	1526.3	1528.3	1530.2	1522.4	1495.0	1460.7



TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1405.3	1451.8	1507.7	1536.1	1545.9	1546.9	1545.9	1536.1	1507.7	1451.8	1405.3
115°	1321.1	1374.5	1447.9	1491.0	1510.6	1515.5	1510.6	1491.0	1447.9	1374.5	1321.1
117.5°	1230.9	1286.3	1362.7	1410.7	1440.1	1447.0	1440.1	1410.7	1362.7	1286.3	1230.9
120°	1145.7	1195.2	1272.6	1327.4	1350.9	1356.8	1350.9	1327.4	1272.6	1195.2	1145.7
122.5°	1078.6	1123.7	1190.3	1238.3	1264.7	1272.6	1264.7	1238.3	1190.3	1123.7	1078.6
125°	1018.8	1058.0	1120.7	1163.8	1188.3	1195.2	1188.3	1163.8	1120.7	1058.0	1018.8
127.5°	969.8	1006.1	1062.9	1100.2	1122.7	1128.6	1122.7	1100.2	1062.9	1006.1	969.8
130°	924.8	958.1	1010.0	1045.3	1065.9	1073.7	1065.9	1045.3	1010.0	958.1	924.8
132.5°	882.6	914.0	962.0	997.3	1014.9	1019.8	1014.9	997.3	962.0	914.0	882.6
135°	839.1	867.0	915.0	944.4	962.0	968.9	962.0	944.4	915.0	867.0	839.1
137.5°	797.9	822.9	864.1	894.4	909.1	915.0	909.1	894.4	864.1	822.9	797.9
140°	757.8	778.8	816.1	843.5	859.2	858.2	859.2	843.5	816.1	778.8	757.8
142.5°	721.0	738.7	769.0	792.5	806.3	805.3	806.3	792.5	769.0	738.7	721.0
145°	688.2	702.4	726.9	747.5	755.3	757.3	755.3	747.5	726.9	702.4	688.2
147.5°	662.8	673.0	692.6	707.3	715.1	716.1	715.1	707.3	692.6	673.0	662.8
150°	640.2	649.5	664.2	675.0	680.9	680.9	680.9	675.0	664.2	649.5	640.2
152.5°	620.6	628.0	638.7	648.5	651.5	651.5	651.5	648.5	638.7	628.0	620.6
155°	602.5	608.4	617.2	625.0	627.0	628.0	627.0	625.0	617.2	608.4	602.5
157.5°	584.9	589.8	597.6	603.5	605.4	605.4	605.4	603.5	597.6	589.8	584.9
160°	568.7	572.1	579.0	584.9	584.9	583.9	584.9	584.9	579.0	572.1	568.7
162.5°	553.5	556.4	560.4	565.3	565.3	564.3	565.3	565.3	560.4	556.4	553.5
165°	538.3	540.8	544.7	548.6	547.6	547.6	547.6	548.6	544.7	540.8	538.3
167.5°	525.1	527.1	529.0	532.0	531.0	531.0	531.0	532.0	529.0	527.1	525.1
170°	513.3	514.3	515.3	517.3	516.3	516.3	516.3	517.3	515.3	514.3	513.3
172.5°	503.0	503.5	503.5	505.5	503.5	502.6	503.5	505.5	503.5	503.5	503.0
175°	493.7	493.7	493.7	494.7	493.7	492.8	493.7	494.7	493.7	493.7	493.7
177.5°	487.9	487.9	486.9	487.9	485.9	485.9	485.9	487.9	486.9	487.9	487.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-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°	26.5	25.5	24.5	23.5	24.5	21.6	18.6	15.7	12.7	11.8	10.8
92.5°	65.6	75.4	97.0	136.2	182.2	201.8	150.9	98.9	67.6	58.8	50.0
95°	187.1	239.0	352.7	471.2	580.9	517.3	356.6	210.6	127.4	108.2	89.1
97.5°	482.0	611.3	810.2	923.8	893.4	667.1	396.8	227.3	145.0	124.0	102.9
100°	961.0	1075.7	1155.0	1120.7	927.7	627.0	369.3	224.3	155.8	136.7	117.6
102.5°	1231.4	1286.3	1269.6	1130.5	864.1	568.2	345.8	228.3	168.5	151.4	134.2
105°	1390.1	1371.5	1273.6	1068.8	787.6	522.2	337.0	236.1	183.2	168.0	152.8
107.5°	1445.0	1368.6	1214.8	980.6	720.0	488.8	335.0	248.8	201.8	187.6	173.4
110°	1426.4	1302.9	1122.7	898.3	664.2	471.2	339.9	265.5	221.4	207.7	194.0

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1358.8	1216.7	1031.6	826.8	627.0	461.4	349.7	282.1	242.0	228.8	215.5
115°	1267.7	1123.7	953.2	772.0	602.5	460.4	360.5	300.8	263.5	250.3	237.1
117.5°	1175.6	1043.3	892.5	735.7	585.8	461.4	374.2	320.3	283.1	270.8	258.6
120°	1096.2	978.7	846.4	708.3	575.1	465.3	389.9	339.0	303.7	291.4	279.2
122.5°	1033.5	926.8	810.2	685.8	568.2	472.2	404.6	358.6	324.3	311.0	297.8
125°	979.7	885.6	778.8	667.1	562.3	479.1	420.3	377.2	342.9	329.6	316.4
127.5°	933.6	847.4	750.4	649.5	559.4	486.9	433.0	393.8	360.5	347.3	334.1
130°	891.5	812.1	724.0	635.8	556.4	494.7	445.7	408.5	376.2	363.0	349.7
132.5°	851.3	778.8	699.5	623.1	555.5	500.6	457.5	421.3	389.9	377.2	364.4
135°	811.2	747.5	677.9	612.3	554.5	506.5	467.3	434.0	403.6	390.4	377.2
137.5°	772.9	716.1	657.3	602.5	552.5	510.4	475.1	442.8	413.4	401.2	388.9
140°	736.7	689.7	639.7	593.7	551.5	514.3	481.0	451.6	423.2	411.0	398.7
142.5°	703.4	664.2	623.1	585.8	549.6	517.3	486.9	458.5	431.0	419.8	408.5
145°	674.0	642.7	610.3	579.0	547.6	518.2	490.8	464.4	438.9	427.6	416.4
147.5°	652.5	626.0	599.5	572.1	544.7	518.2	493.7	469.3	445.7	436.0	426.2
150°	630.9	610.3	587.8	565.3	540.8	518.2	494.7	474.2	451.6	442.8	434.0
152.5°	613.3	595.6	577.0	557.4	535.9	515.3	496.7	477.1	458.5	450.2	441.8
155°	596.6	581.9	566.2	549.6	530.0	513.3	496.7	481.0	464.4	457.5	450.6
157.5°	580.0	568.2	554.5	540.8	525.1	510.4	497.7	483.0	469.3	463.9	458.5
160°	565.3	555.5	544.7	532.0	519.2	508.4	497.7	485.9	474.2	469.3	464.4
162.5°	550.6	541.7	532.9	523.1	513.3	504.5	496.7	486.9	477.1	473.2	469.3
165°	535.9	529.0	523.1	515.3	507.5	500.6	494.7	487.9	480.0	476.6	473.2
167.5°	523.1	519.2	514.3	507.5	501.6	496.7	493.7	487.9	482.0	479.6	477.1
170°	512.4	508.4	505.5	500.6	495.7	492.8	490.8	486.9	482.0	481.0	480.0
172.5°	502.6	499.6	497.7	493.7	490.8	489.8	489.8	486.9	483.0	482.5	482.0
175°	493.7	491.8	490.8	488.8	486.9	486.9	487.9	485.9	483.9	483.4	483.0
177.5°	487.9	486.9	485.9	484.9	483.9	484.9	486.9	484.9	483.9	483.9	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-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°	8.8	5.9	3.9	2.0
92.5°	40.2	31.3	21.6	14.7
95°	63.7	47.0	36.2	33.3
97.5°	77.4	62.7	53.9	52.9
100°	94.0	80.3	73.5	72.5
102.5°	113.6	100.9	95.0	93.1
105°	134.2	122.5	116.6	113.6
107.5°	155.8	144.0	138.1	135.2
110°	177.3	166.5	161.6	158.7

TEST NUMBER: P1011897

CATALOG NUMBER: S123DIP-B775D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	198.9	188.1	183.2	180.3
115°	220.4	210.6	204.7	200.8
117.5°	240.0	231.2	226.3	221.4
120°	260.6	250.8	245.9	243.0
122.5°	280.2	269.4	264.5	261.6
125°	297.8	287.0	281.2	279.2
127.5°	313.5	302.7	295.9	292.9
130°	329.2	317.4	308.6	305.7
132.5°	343.9	329.2	319.4	315.4
135°	356.6	341.9	331.1	327.2
137.5°	368.4	352.7	341.9	338.0
140°	379.1	363.5	353.7	348.8
142.5°	388.9	375.2	364.4	360.5
145°	399.7	385.0	376.2	373.2
147.5°	409.5	396.8	387.9	386.0
150°	420.3	407.5	399.7	398.7
152.5°	430.1	419.3	411.5	411.5
155°	439.9	430.1	424.2	424.2
157.5°	448.7	439.9	435.0	434.0
160°	457.5	449.7	445.7	445.7
162.5°	463.4	457.5	454.6	454.6
165°	469.3	464.4	462.4	463.4
167.5°	474.2	470.2	469.3	470.2
170°	478.1	475.1	474.2	476.1
172.5°	481.0	479.1	479.1	480.0
175°	483.0	481.0	482.0	483.0
177.5°	483.9	483.0	483.9	484.9
180°	483.9	483.9	483.9	483.9

(END OF REPORT)