

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: P1011686

Luminaire Tested: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011686
REPORT IS A COMBINATION OF REPORTS P989944 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B560D1025UB30-4F0-XX-W2A-A1
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

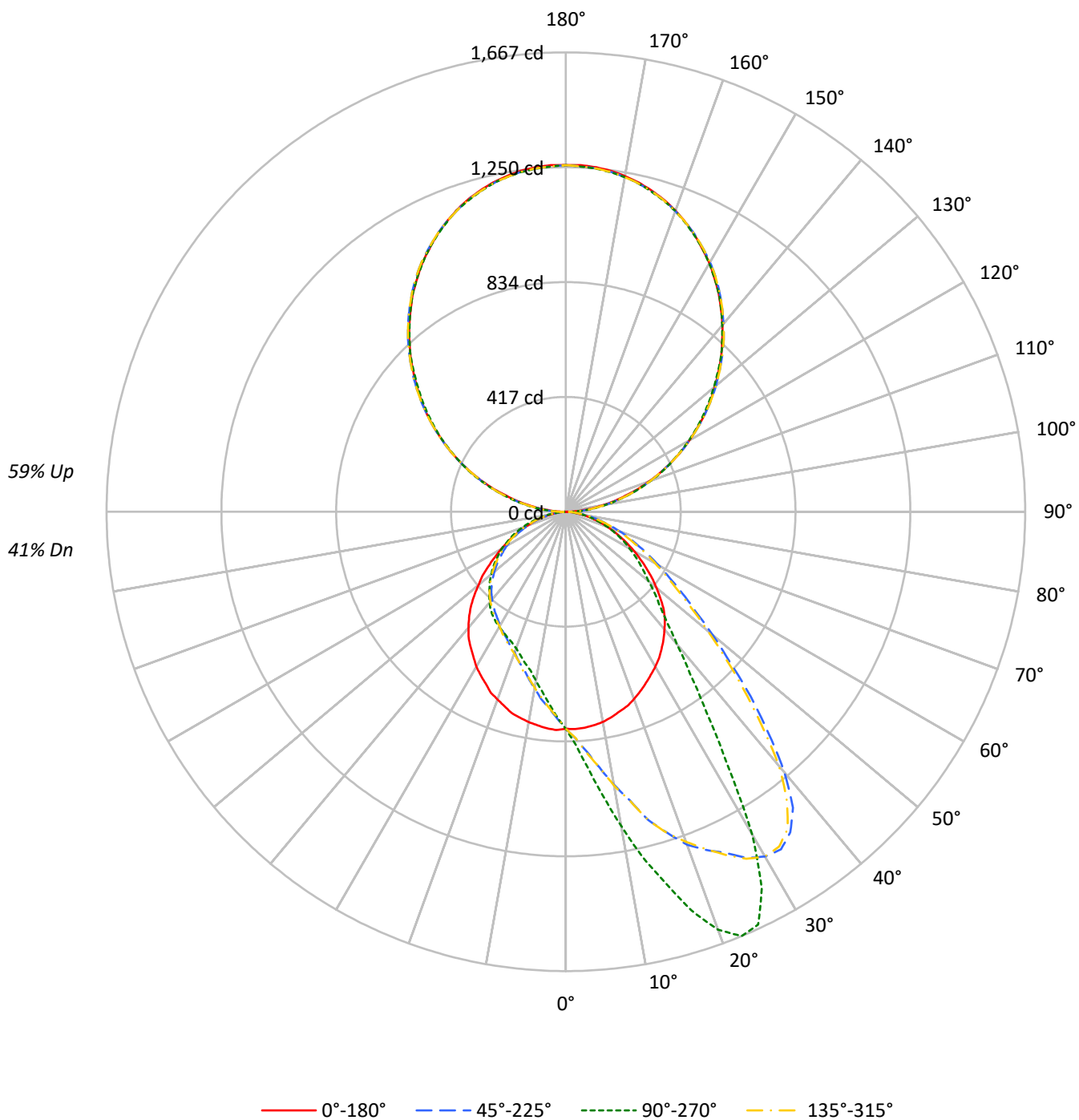
Lumens per Lamp: N/A
Luminaire Lumens: 5864.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 52.5
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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47
1	96	92	88	85	87	84	81	78	69	67	64	55	53	52	42	41	40
2	87	80	74	69	79	73	68	64	60	57	54	49	46	44	37	36	34
3	80	71	64	58	73	65	59	54	53	49	45	43	40	37	33	31	29
4	73	63	55	49	66	57	51	46	48	43	39	38	35	32	30	28	26
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	24	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	22	20
7	57	45	37	32	52	42	35	30	35	29	26	28	24	22	22	20	18
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8473	8473	8473	8473
5°	8480	9763	8504	7287
10°	8426	11815	8434	6363
15°	8309	14012	8376	5728
20°	8209	16132	8226	5270
25°	8059	16539	8078	5032
30°	7954	13664	7954	4876
35°	7822	9138	7773	4737
40°	7664	6596	7569	4526
45°	7466	5226	7250	4263
50°	6984	4437	6735	4005
55°	6454	3900	6191	3717
60°	5918	3395	5604	3415
65°	5330	2908	5072	3012
70°	4718	2414	4403	2538
75°	4032	1820	3774	1960
80°	3187	1216	2942	1288
85°	2200	559	1758	508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	1.3
10°-20°	248.7	4.2
20°-30°	418.4	7.1
30°-40°	472.9	8.1
40°-50°	423.5	7.2
50°-60°	341.9	5.8
60°-70°	238.2	4.1
70°-80°	125.0	2.1
80°-90°	32.6	0.6
90°-100°	81.0	1.4
100°-110°	245.1	4.2
110°-120°	417.2	7.1
120°-130°	548.9	9.4
130°-140°	617.0	10.5
140°-150°	606.5	10.3
150°-160°	510.7	8.7
160°-170°	340.0	5.8
170°-180°	119.0	2.0
0°-30°	744.5	12.7
0°-40°	1217.4	20.8
0°-60°	1982.7	33.8
0°-90°	2378.7	40.6
90°-120°	743.3	12.7
90°-150°	2515.7	42.9
90°-180°	3485.0	59.4
0°-180°	5864.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	787	787	787	787	787	
5°	786	935	789	698	786	75
15°	751	1392	757	569	751	212
25°	686	1652	688	503	686	317
35°	606	890	602	462	606	379
45°	503	481	488	392	503	384
55°	356	326	342	311	356	319
65°	220	212	210	220	220	220
75°	106	109	99	118	106	114
85°	23	25	18	23	23	26
90°	1	30	1	30	1	6
95°	58	77	58	77	58	64
105°	222	235	222	235	222	238
115°	420	421	420	421	420	416
125°	615	608	615	608	615	548
135°	797	796	797	796	797	614
145°	967	967	967	967	967	604
155°	1108	1106	1108	1106	1108	510
165°	1206	1202	1206	1202	1206	340
175°	1255	1250	1255	1250	1255	119
180°	1258	1258	1258	1258	1258	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	789.5	795.6	798.7	803.3	807.8	814.7	817.0	820.8	819.3	822.3	823.9
5°	786.5	797.2	806.3	817.7	828.4	836.1	843.7	855.9	865.0	866.6	873.4
7.5°	781.1	796.4	812.4	828.4	849.0	861.2	875.0	891.7	905.5	927.6	936.0
10°	774.3	795.6	818.5	840.6	868.9	887.9	904.7	932.9	961.2	984.0	1005.4
12.5°	763.6	790.3	820.0	852.8	889.5	911.6	934.5	971.8	1014.6	1049.6	1072.5
15°	750.6	784.2	822.3	857.4	897.8	939.0	963.4	1005.4	1066.4	1099.2	1158.0
17.5°	739.9	774.3	812.4	867.3	922.3	963.4	981.0	1058.0	1100.0	1154.9	1221.3
20°	723.2	766.6	815.5	870.4	941.3	966.5	1002.4	1080.2	1132.0	1203.7	1285.4
22.5°	705.6	752.1	810.9	868.1	947.4	974.1	1022.9	1084.7	1167.1	1238.1	1328.1
25°	686.5	736.9	796.4	864.3	942.1	981.0	1026.8	1103.0	1192.3	1281.5	1364.7
27.5°	667.5	722.4	784.2	852.1	927.6	973.4	1019.1	1098.5	1212.9	1309.8	1415.8
30°	649.2	704.1	765.9	835.3	914.6	958.9	1002.4	1101.5	1228.9	1338.0	1444.8
32.5°	629.3	685.8	750.6	808.6	888.7	936.0	984.8	1101.5	1238.8	1354.8	1452.4
35°	605.7	663.7	719.3	777.3	856.7	909.3	964.2	1093.9	1248.0	1360.1	1420.4
37.5°	582.8	633.9	682.0	738.4	821.6	878.0	941.3	1084.7	1243.4	1337.2	1354.0
40°	556.9	608.0	646.9	699.5	787.2	852.8	916.9	1072.5	1223.6	1283.1	1234.2
42.5°	531.7	572.1	605.7	656.8	752.1	816.2	885.6	1050.4	1184.7	1196.9	1087.0
45°	502.7	531.7	561.4	619.4	714.0	779.6	856.7	1018.4	1122.1	1087.0	948.2
47.5°	465.3	491.3	524.1	577.5	673.6	741.5	814.7	977.2	1031.3	958.1	806.3
50°	429.5	451.6	482.1	534.0	630.9	697.2	775.0	912.3	939.0	823.9	694.9
52.5°	393.6	410.4	440.1	492.0	588.9	653.0	723.9	846.0	830.7	707.1	592.7
55°	356.2	370.7	399.0	450.1	540.1	601.1	669.0	764.3	724.7	607.2	515.7
57.5°	319.6	334.9	363.9	406.6	491.3	550.8	604.9	679.7	620.2	526.3	445.5
60°	286.8	299.8	321.9	363.9	440.9	489.0	538.6	589.7	540.1	449.3	387.5
62.5°	252.5	264.7	285.3	323.4	389.8	432.5	472.2	514.1	459.2	392.9	337.9
65°	220.5	230.4	249.4	284.5	338.7	373.8	405.8	434.8	390.6	329.5	288.3
67.5°	191.5	199.9	215.9	247.2	292.9	318.1	344.0	368.4	331.1	282.2	247.2
70°	160.2	167.1	181.6	204.4	241.1	267.0	286.1	304.4	270.8	231.9	208.3
72.5°	132.7	139.6	148.8	172.4	197.6	213.6	234.2	244.1	225.0	193.0	169.3
75°	106.0	111.4	119.8	135.0	158.7	169.3	182.3	189.9	172.4	151.0	136.5
77.5°	83.1	85.4	91.5	102.2	118.2	130.4	140.4	144.9	132.7	119.0	106.8
80°	58.7	61.8	66.4	75.5	87.7	91.5	97.6	103.0	95.4	83.1	75.5
82.5°	38.9	42.7	45.0	48.8	56.4	61.0	62.6	67.1	60.3	55.7	52.6
85°	22.9	24.4	25.2	27.5	31.3	33.6	35.9	36.6	35.1	34.3	31.3
87.5°	11.4	11.4	11.4	13.0	13.7	15.3	16.0	16.0	16.0	15.3	14.5
90°	1.0	3.2	5.4	7.6	9.8	10.9	12.3	15.2	18.0	20.9	23.7
92.5°	29.6	30.9	32.3	33.6	34.9	35.6	36.3	37.6	38.9	40.2	41.5
95°	58.3	59.8	61.4	62.9	64.4	65.2	66.1	67.8	69.6	71.3	73.1
97.5°	95.8	96.9	98.0	99.1	100.2	100.8	101.5	102.8	104.1	105.4	106.7
100°	134.4	135.7	137.0	138.3	139.6	140.3	140.9	142.0	143.1	144.2	145.3
102.5°	178.8	179.5	180.1	180.8	181.5	181.8	182.6	184.1	185.6	187.2	188.7
105°	222.3	222.7	223.2	223.6	224.1	224.3	225.3	227.3	229.2	231.2	233.2
107.5°	273.7	273.9	274.1	274.4	274.6	274.7	275.1	276.0	276.9	277.7	278.6
110°	321.1	321.5	322.0	322.4	322.9	323.1	323.3	323.8	324.2	324.7	325.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	370.5	370.7	370.9	371.2	371.4	371.5	371.5	371.5	371.5	371.5	371.5
115°	420.0	420.6	421.3	421.9	422.6	422.9	422.7	422.2	421.8	421.3	420.9
117.5°	470.3	470.5	470.7	471.0	471.2	471.3	471.1	470.7	470.2	469.8	469.4
120°	516.8	518.1	519.4	520.7	522.0	522.7	522.2	521.1	520.0	518.9	517.8
122.5°	565.2	566.1	567.0	567.9	568.8	569.2	569.0	568.5	568.1	567.6	567.2
125°	614.6	615.3	615.9	616.6	617.3	617.6	617.4	616.9	616.5	616.0	615.6
127.5°	660.1	661.4	662.7	664.0	665.3	666.0	665.8	665.3	664.9	664.4	664.0
130°	705.5	707.3	709.0	710.8	712.5	713.4	713.1	712.4	711.8	711.1	710.5
132.5°	751.0	752.8	754.5	756.3	758.0	758.9	758.7	758.2	757.8	757.3	756.9
135°	797.4	798.7	800.0	801.3	802.6	803.3	803.2	803.0	802.8	802.6	802.4
137.5°	839.9	841.0	842.1	843.2	844.3	844.8	845.1	845.8	846.5	847.1	847.8
140°	884.4	885.5	886.6	887.7	888.8	889.3	889.4	889.6	889.9	890.1	890.3
142.5°	924.9	926.0	927.1	928.2	929.3	929.8	930.0	930.5	930.9	931.4	931.8
145°	967.4	967.8	968.2	968.7	969.1	969.3	969.6	970.3	971.0	971.6	972.3
147.5°	1003.9	1004.8	1005.7	1006.6	1007.5	1007.9	1008.2	1008.9	1009.5	1010.2	1010.8
150°	1042.5	1042.9	1043.3	1043.8	1044.2	1044.4	1044.6	1045.1	1045.5	1046.0	1046.4
152.5°	1074.1	1074.7	1075.4	1076.0	1076.7	1077.0	1077.1	1077.3	1077.6	1077.8	1078.0
155°	1107.7	1107.7	1107.7	1107.7	1107.7	1107.7	1107.8	1108.0	1108.3	1108.5	1108.7
157.5°	1136.3	1136.1	1135.9	1135.6	1135.4	1135.3	1135.4	1135.6	1135.9	1136.1	1136.3
160°	1163.0	1162.6	1162.1	1161.7	1161.2	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0
162.5°	1186.7	1186.1	1185.4	1184.8	1184.1	1183.8	1183.9	1184.1	1184.4	1184.6	1184.8
165°	1206.5	1205.8	1205.2	1204.5	1203.8	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5
167.5°	1223.3	1222.4	1221.5	1220.6	1219.7	1219.3	1219.4	1219.6	1219.9	1220.1	1220.3
170°	1237.1	1236.2	1235.4	1234.5	1233.6	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2
172.5°	1248.0	1247.1	1246.2	1245.3	1244.4	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0
175°	1254.9	1254.0	1253.2	1252.3	1251.4	1251.0	1251.0	1251.0	1251.0	1251.0	1251.0
177.5°	1258.9	1258.0	1257.1	1256.2	1255.3	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9
180°	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	829.2	830.7	836.1	839.9	847.5	846.7	846.7	846.0	843.7	847.5	849.8
5°	887.2	900.1	901.7	918.4	919.2	926.1	930.6	926.8	936.0	935.2	928.4
7.5°	958.9	976.4	984.8	1000.8	1019.1	1014.6	1032.1	1035.2	1033.6	1041.3	1046.6
10°	1037.4	1068.0	1089.3	1119.1	1126.7	1131.3	1142.7	1152.6	1172.5	1157.2	1167.1
12.5°	1127.5	1149.6	1177.8	1225.1	1248.7	1264.0	1269.3	1276.2	1289.9	1281.5	1282.3
15°	1203.0	1232.7	1280.8	1339.5	1346.4	1365.5	1360.9	1402.1	1421.9	1392.2	1408.9
17.5°	1281.5	1321.2	1378.4	1429.5	1458.5	1471.5	1483.7	1523.4	1521.8	1517.3	1521.1
20°	1331.9	1396.7	1467.7	1535.6	1544.0	1553.9	1586.7	1603.5	1600.4	1613.4	1621.8
22.5°	1402.8	1471.5	1547.0	1592.0	1611.1	1622.5	1648.5	1659.1	1663.7	1666.8	1661.4
25°	1462.3	1535.6	1591.3	1630.9	1642.4	1648.5	1656.9	1659.9	1657.6	1652.3	1656.9
27.5°	1502.8	1561.5	1599.6	1617.9	1611.8	1601.9	1585.9	1575.2	1551.6	1540.1	1553.9
30°	1519.5	1545.5	1556.9	1526.4	1495.9	1471.5	1441.0	1384.5	1340.3	1353.2	1335.7
32.5°	1492.8	1476.1	1421.1	1342.6	1318.9	1279.3	1193.1	1126.7	1129.0	1093.9	1108.4
35°	1414.3	1338.0	1234.2	1115.2	1084.0	1062.6	968.0	953.5	923.0	890.2	899.4
37.5°	1275.4	1164.1	1038.2	950.5	903.9	857.4	804.0	772.0	753.7	739.9	750.6
40°	1106.1	970.3	866.6	788.0	748.3	718.6	682.0	649.9	629.3	627.0	630.9
42.5°	939.8	825.4	730.0	655.3	642.3	607.2	583.6	558.4	552.3	542.4	547.7
45°	795.6	702.6	624.0	563.0	547.7	538.6	509.6	493.5	486.7	480.6	489.7
47.5°	691.1	593.5	536.3	499.6	484.4	469.1	453.1	442.4	437.1	437.9	437.1
50°	590.4	518.7	468.4	440.1	431.0	420.3	407.3	400.5	398.2	391.3	396.7
52.5°	508.0	456.2	421.1	394.4	387.5	379.9	369.2	365.4	360.1	358.5	358.5
55°	441.7	401.2	373.0	355.5	347.1	341.0	334.9	330.3	326.5	326.5	326.5
57.5°	389.8	354.7	334.1	318.9	315.8	309.7	302.8	302.8	297.5	296.7	299.0
60°	345.6	314.3	298.3	285.3	280.7	279.2	272.3	272.3	270.8	267.0	270.0
62.5°	300.6	277.7	263.9	254.0	249.4	249.4	244.1	240.3	240.3	241.1	239.5
65°	259.4	242.6	230.4	222.7	220.5	217.4	216.6	213.6	211.3	212.1	211.3
67.5°	222.7	209.8	201.4	195.3	191.5	189.9	187.7	187.7	186.1	186.9	183.1
70°	189.9	177.0	170.1	164.0	162.5	162.5	159.4	160.2	158.7	161.0	159.4
72.5°	156.4	146.5	141.1	138.8	137.3	136.5	135.0	133.5	132.7	134.3	133.5
75°	126.6	118.2	114.4	112.9	111.4	111.4	110.6	109.8	109.1	109.1	109.1
77.5°	98.4	93.1	88.5	90.0	87.7	88.5	86.2	86.2	87.0	86.2	86.2
80°	72.5	68.7	68.7	67.1	64.1	65.6	65.6	63.3	62.6	64.1	61.8
82.5°	48.1	47.3	45.8	45.0	43.5	44.2	43.5	42.7	42.0	43.5	42.0
85°	28.2	28.2	27.5	25.9	27.5	26.7	25.9	25.9	25.2	25.2	25.2
87.5°	14.5	13.0	13.0	12.2	13.0	11.4	12.2	11.4	10.7	11.4	10.7
90°	24.6	25.5	26.4	27.3	27.7	27.9	28.3	28.8	29.2	29.6	29.2
92.5°	42.2	42.8	43.5	44.2	44.5	44.3	43.8	43.4	42.9	42.5	42.9
95°	74.0	74.9	75.8	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1
97.5°	107.8	108.9	110.0	111.1	111.7	111.6	111.4	111.1	110.9	110.7	110.9
100°	145.9	146.6	147.2	147.9	148.2	148.4	148.9	149.3	149.8	150.2	149.8
102.5°	189.4	190.0	190.7	191.4	191.7	191.6	191.4	191.1	190.9	190.7	190.9
105°	233.2	233.2	233.2	233.2	233.2	233.4	233.9	234.3	234.8	235.2	234.8
107.5°	279.3	279.9	280.6	281.3	281.6	281.5	281.3	281.0	280.8	280.6	280.8
110°	326.0	326.8	327.7	328.6	329.0	328.8	328.4	327.9	327.5	327.1	327.5

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	372.6	373.7	374.8	375.9	376.5	376.5	376.5	376.5	376.5	376.5	376.5
115°	421.1	421.3	421.6	421.8	421.9	421.8	421.6	421.3	421.1	420.9	421.1
117.5°	469.4	469.4	469.4	469.4	469.4	469.1	468.4	467.7	467.1	466.4	467.1
120°	517.6	517.4	517.1	516.9	516.8	516.6	516.1	515.7	515.2	514.8	515.2
122.5°	566.5	565.9	565.2	564.5	564.2	563.9	563.2	562.6	561.9	561.3	561.9
125°	614.7	613.8	612.9	612.0	611.6	611.2	610.3	609.4	608.6	607.7	608.6
127.5°	662.7	661.4	660.1	658.8	658.1	657.7	656.8	655.9	655.0	654.1	655.0
130°	709.6	708.7	707.8	706.9	706.5	705.7	704.2	702.7	701.1	699.6	701.1
132.5°	755.8	754.7	753.6	752.5	752.0	751.4	750.3	749.2	748.1	747.0	748.1
135°	801.5	800.6	799.7	798.8	798.4	798.2	797.7	797.3	796.8	796.4	796.8
137.5°	846.7	845.6	844.5	843.4	842.9	842.6	841.9	841.2	840.6	839.9	840.6
140°	890.1	889.9	889.6	889.4	889.3	888.5	887.0	885.5	883.9	882.4	883.9
142.5°	931.6	931.4	931.1	930.9	930.8	930.3	929.2	928.1	927.0	925.9	927.0
145°	972.1	971.9	971.6	971.4	971.3	970.9	970.0	969.1	968.3	967.4	968.3
147.5°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.1	1008.8	1007.5	1006.2	1004.9	1006.2
150°	1046.4	1046.4	1046.4	1046.4	1046.4	1045.7	1044.4	1043.1	1041.8	1040.5	1041.8
152.5°	1078.4	1078.9	1079.3	1079.8	1080.0	1079.5	1078.4	1077.3	1076.2	1075.1	1076.2
155°	1109.6	1110.4	1111.3	1112.2	1112.6	1111.8	1110.3	1108.8	1107.2	1105.7	1107.2
157.5°	1137.2	1138.1	1139.0	1139.9	1140.3	1139.6	1138.3	1137.0	1135.7	1134.4	1135.7
160°	1162.1	1163.2	1164.3	1165.4	1166.0	1165.6	1164.7	1163.8	1162.9	1162.0	1162.9
162.5°	1185.9	1187.0	1188.1	1189.2	1189.7	1188.9	1187.4	1185.9	1184.3	1182.8	1184.3
165°	1204.8	1206.2	1207.5	1208.8	1209.5	1208.7	1207.2	1205.6	1204.1	1202.5	1204.1
167.5°	1221.6	1223.0	1224.3	1225.6	1226.3	1225.6	1224.3	1223.0	1221.6	1220.3	1221.6
170°	1234.7	1236.3	1237.8	1239.3	1240.1	1239.3	1237.8	1236.3	1234.7	1233.2	1234.7
172.5°	1245.3	1246.7	1248.0	1249.3	1250.0	1249.2	1247.7	1246.2	1244.6	1243.1	1244.6
175°	1252.3	1253.6	1254.9	1256.2	1256.9	1256.1	1254.6	1253.1	1251.5	1250.0	1251.5
177.5°	1256.2	1257.5	1258.8	1260.1	1260.8	1260.0	1258.5	1257.0	1255.4	1253.9	1255.4
180°	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	843.7	846.0	839.9	838.3	838.3	841.4	839.1	818.5	822.3	817.7	816.2
5°	936.7	932.2	926.1	923.0	919.2	908.5	907.8	884.1	879.5	864.3	857.4
7.5°	1039.0	1035.2	1016.8	1014.6	1013.0	1003.1	977.9	952.8	934.5	916.9	900.1
10°	1155.7	1144.2	1135.8	1119.1	1110.7	1096.9	1064.1	1040.5	1009.2	982.5	947.4
12.5°	1296.0	1283.1	1254.8	1242.6	1232.0	1193.8	1161.0	1134.3	1073.3	1055.0	1011.5
15°	1399.0	1371.6	1368.5	1341.8	1340.3	1298.3	1235.8	1206.8	1159.5	1092.4	1047.4
17.5°	1510.4	1486.0	1466.9	1434.9	1430.3	1390.6	1344.9	1273.9	1222.0	1158.0	1100.8
20°	1592.0	1579.0	1546.2	1533.3	1506.6	1473.0	1425.7	1338.0	1274.7	1210.6	1140.4
22.5°	1656.9	1643.9	1617.9	1600.4	1585.1	1541.7	1485.2	1410.5	1323.5	1239.6	1167.1
25°	1656.1	1652.3	1641.6	1633.2	1621.8	1589.7	1542.4	1470.7	1373.8	1281.5	1180.9
27.5°	1562.3	1572.9	1591.3	1600.4	1598.1	1593.5	1566.8	1506.6	1419.6	1309.8	1196.9
30°	1367.0	1405.9	1440.2	1486.0	1499.7	1533.3	1548.5	1514.2	1444.8	1342.6	1217.5
32.5°	1133.6	1190.0	1264.8	1289.9	1333.4	1398.3	1470.7	1483.7	1440.2	1361.6	1230.4
35°	929.9	976.4	1034.4	1074.1	1113.0	1218.2	1309.8	1389.1	1403.6	1351.7	1227.4
37.5°	769.7	802.5	853.6	887.2	923.0	1013.0	1141.2	1244.2	1316.6	1318.2	1219.0
40°	653.7	668.2	712.5	736.9	771.2	849.0	963.4	1097.7	1203.7	1252.6	1196.9
42.5°	553.8	572.9	609.5	627.8	649.9	717.8	793.3	920.7	1051.9	1156.4	1155.7
45°	494.3	508.0	524.8	540.1	565.3	605.7	691.9	787.2	913.1	1031.3	1077.9
47.5°	441.7	454.6	471.4	476.0	492.8	530.9	583.6	666.7	784.2	901.7	989.4
50°	397.4	408.1	419.6	427.9	435.6	466.8	506.5	576.7	670.5	784.2	893.3
52.5°	363.1	370.7	380.6	385.2	392.1	415.0	445.5	497.4	574.4	678.2	784.2
55°	331.1	336.4	342.5	350.1	353.2	370.0	393.6	437.9	495.1	588.1	688.8
57.5°	301.3	303.6	307.4	312.0	315.8	330.3	350.9	380.6	431.0	502.7	598.1
60°	267.8	273.9	276.1	280.7	283.0	294.5	310.5	335.6	374.5	436.3	508.0
62.5°	239.5	243.3	247.2	249.4	254.8	258.6	271.6	294.5	326.5	372.3	437.1
65°	214.4	215.9	218.2	220.5	222.0	226.6	238.8	254.0	278.4	318.9	369.2
67.5°	185.4	186.9	189.9	190.7	192.2	198.3	205.2	218.2	238.8	269.3	310.5
70°	157.1	159.4	161.0	162.5	164.8	167.1	174.7	185.4	201.4	222.7	254.8
72.5°	132.7	135.0	135.0	136.5	135.8	138.8	146.5	154.1	164.8	182.3	210.5
75°	108.3	108.3	109.8	110.6	111.4	114.4	117.5	123.6	132.0	145.7	163.2
77.5°	85.4	84.7	86.2	86.2	86.2	88.5	91.5	94.6	99.9	109.8	123.6
80°	62.6	62.6	64.1	64.8	63.3	64.1	65.6	68.7	72.5	79.3	87.0
82.5°	41.2	44.2	43.5	44.2	43.5	45.0	45.8	46.5	48.1	51.1	56.4
85°	25.2	25.2	25.2	25.9	25.2	25.9	25.9	25.9	26.7	28.2	30.5
87.5°	10.7	10.7	10.7	11.4	10.7	10.7	11.4	10.7	11.4	11.4	12.2
90°	28.8	28.3	27.9	27.7	27.3	26.4	25.5	24.6	23.7	20.9	18.0
92.5°	43.4	43.8	44.3	44.5	44.2	43.5	42.8	42.2	41.5	40.2	38.9
95°	77.1	77.1	77.1	77.1	76.7	75.8	74.9	74.0	73.1	71.3	69.6
97.5°	111.1	111.4	111.6	111.7	111.1	110.0	108.9	107.8	106.7	105.4	104.1
100°	149.3	148.9	148.4	148.2	147.9	147.2	146.6	145.9	145.3	144.2	143.1
102.5°	191.1	191.4	191.6	191.7	191.4	190.7	190.0	189.4	188.7	187.2	185.6
105°	234.3	233.9	233.4	233.2	233.2	233.2	233.2	233.2	233.2	231.2	229.2
107.5°	281.0	281.3	281.5	281.6	281.3	280.6	279.9	279.3	278.6	277.7	276.9
110°	327.9	328.4	328.8	329.0	328.6	327.7	326.8	326.0	325.1	324.7	324.2

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	376.5	376.5	376.5	376.5	375.9	374.8	373.7	372.6	371.5	371.5	371.5
115°	421.3	421.6	421.8	421.9	421.8	421.6	421.3	421.1	420.9	421.3	421.8
117.5°	467.7	468.4	469.1	469.4	469.4	469.4	469.4	469.4	469.4	469.8	470.2
120°	515.7	516.1	516.6	516.8	516.9	517.1	517.4	517.6	517.8	518.9	520.0
122.5°	562.6	563.2	563.9	564.2	564.5	565.2	565.9	566.5	567.2	567.6	568.1
125°	609.4	610.3	611.2	611.6	612.0	612.9	613.8	614.7	615.6	616.0	616.5
127.5°	655.9	656.8	657.7	658.1	658.8	660.1	661.4	662.7	664.0	664.4	664.9
130°	702.7	704.2	705.7	706.5	706.9	707.8	708.7	709.6	710.5	711.1	711.8
132.5°	749.2	750.3	751.4	752.0	752.5	753.6	754.7	755.8	756.9	757.3	757.8
135°	797.3	797.7	798.2	798.4	798.8	799.7	800.6	801.5	802.4	802.6	802.8
137.5°	841.2	841.9	842.6	842.9	843.4	844.5	845.6	846.7	847.8	847.1	846.5
140°	885.5	887.0	888.5	889.3	889.4	889.6	889.9	890.1	890.3	890.1	889.9
142.5°	928.1	929.2	930.3	930.8	930.9	931.1	931.4	931.6	931.8	931.4	930.9
145°	969.1	970.0	970.9	971.3	971.4	971.6	971.9	972.1	972.3	971.6	971.0
147.5°	1007.5	1008.8	1010.1	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.2	1009.5
150°	1043.1	1044.4	1045.7	1046.4	1046.4	1046.4	1046.4	1046.4	1046.4	1046.0	1045.5
152.5°	1077.3	1078.4	1079.5	1080.0	1079.8	1079.3	1078.9	1078.4	1078.0	1077.8	1077.6
155°	1108.8	1110.3	1111.8	1112.6	1112.2	1111.3	1110.4	1109.6	1108.7	1108.5	1108.3
157.5°	1137.0	1138.3	1139.6	1140.3	1139.9	1139.0	1138.1	1137.2	1136.3	1136.1	1135.9
160°	1163.8	1164.7	1165.6	1166.0	1165.4	1164.3	1163.2	1162.1	1161.0	1161.0	1161.0
162.5°	1185.9	1187.4	1188.9	1189.7	1189.2	1188.1	1187.0	1185.9	1184.8	1184.6	1184.4
165°	1205.6	1207.2	1208.7	1209.5	1208.8	1207.5	1206.2	1204.8	1203.5	1203.5	1203.5
167.5°	1223.0	1224.3	1225.6	1226.3	1225.6	1224.3	1223.0	1221.6	1220.3	1220.1	1219.9
170°	1236.3	1237.8	1239.3	1240.1	1239.3	1237.8	1236.3	1234.7	1233.2	1233.2	1233.2
172.5°	1246.2	1247.7	1249.2	1250.0	1249.3	1248.0	1246.7	1245.3	1244.0	1244.0	1244.0
175°	1253.1	1254.6	1256.1	1256.9	1256.2	1254.9	1253.6	1252.3	1251.0	1251.0	1251.0
177.5°	1257.0	1258.5	1260.0	1260.8	1260.1	1258.8	1257.5	1256.2	1254.9	1254.9	1254.9
180°	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	808.6	806.3	806.3	804.8	800.2	791.8	791.0	792.6	788.0	783.4	776.6
5°	848.3	833.8	829.2	824.6	815.5	800.2	794.1	788.8	780.4	770.5	759.8
7.5°	881.8	861.2	855.1	846.7	828.4	807.1	793.3	781.9	770.5	756.7	743.8
10°	923.8	894.0	879.5	867.3	842.2	812.4	791.8	775.0	756.7	739.9	723.2
12.5°	971.1	923.0	918.4	888.7	859.7	815.5	790.3	765.9	741.5	720.9	703.3
15°	1010.7	958.1	939.0	919.2	863.5	808.6	784.2	756.7	728.5	706.4	680.4
17.5°	1035.9	992.4	952.0	925.3	867.3	818.5	771.2	739.9	710.2	679.7	658.3
20°	1066.4	1003.1	968.0	932.2	875.0	810.9	763.6	724.7	688.1	660.6	634.7
22.5°	1096.9	1011.5	982.5	943.6	876.5	803.3	749.9	711.0	669.0	641.5	613.3
25°	1093.9	1023.7	975.7	942.9	861.2	796.4	733.8	688.1	649.2	614.1	585.8
27.5°	1096.2	1010.0	961.2	923.0	850.5	786.5	717.1	669.0	628.6	592.0	562.2
30°	1096.9	989.4	946.7	900.9	830.7	762.8	698.0	649.2	606.4	566.8	540.1
32.5°	1094.7	972.6	919.2	878.0	799.4	739.9	675.9	624.0	580.5	543.9	518.7
35°	1089.3	952.8	891.0	839.1	767.4	707.1	655.3	601.9	555.3	521.8	492.8
37.5°	1074.8	931.4	861.2	810.1	730.0	669.0	623.2	579.0	534.0	494.3	469.9
40°	1064.1	902.4	831.5	775.8	689.6	630.1	592.0	550.0	505.8	469.9	446.3
42.5°	1039.7	875.0	801.0	734.6	649.9	588.9	553.0	519.5	481.3	446.3	424.9
45°	1000.1	845.2	763.6	696.5	606.4	548.5	515.7	488.2	454.6	421.1	399.7
47.5°	944.4	802.5	723.9	656.8	563.7	505.0	472.2	451.6	424.9	396.7	378.4
50°	884.1	756.0	683.5	617.1	522.5	465.3	433.3	414.2	396.7	370.7	353.2
52.5°	805.5	706.4	637.0	573.6	478.3	423.4	395.1	381.4	363.1	344.8	329.5
55°	729.3	642.3	585.1	524.8	434.8	383.7	356.2	341.7	331.1	315.8	303.6
57.5°	640.8	582.8	530.2	475.2	394.4	347.8	321.9	304.4	297.5	290.6	279.2
60°	559.2	514.9	472.2	426.4	352.4	310.5	285.3	271.6	264.7	260.1	252.5
62.5°	484.4	450.1	413.5	376.8	309.7	271.6	252.5	238.8	232.7	231.9	225.0
65°	412.7	388.3	358.5	322.7	270.0	236.5	218.2	209.8	202.9	202.9	197.6
67.5°	341.0	324.2	300.6	275.4	234.2	202.9	186.1	178.5	174.7	174.7	170.9
70°	283.8	272.3	251.0	228.8	193.0	169.3	156.4	149.5	147.2	148.0	144.9
72.5°	230.4	218.2	200.6	184.6	157.9	140.4	131.2	123.6	119.8	120.5	119.8
75°	178.5	172.4	157.1	144.9	123.6	111.4	103.0	99.2	96.1	96.9	95.4
77.5°	134.3	125.1	116.7	108.3	95.4	85.4	78.6	74.8	72.5	72.5	72.5
80°	91.5	90.0	83.1	78.6	67.9	60.3	54.9	54.2	51.9	51.9	51.9
82.5°	59.5	55.7	51.9	48.8	42.7	38.1	35.9	34.3	33.6	32.8	34.3
85°	32.8	30.5	29.0	25.9	23.6	21.4	19.1	18.3	17.5	18.3	17.5
87.5°	13.0	10.7	10.7	9.9	9.2	8.4	8.4	6.9	6.9	6.1	6.1
90°	15.2	12.3	10.9	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6
92.5°	37.6	36.3	35.6	34.9	33.6	32.3	30.9	29.6	30.9	32.3	33.6
95°	67.8	66.1	65.2	64.4	62.9	61.4	59.8	58.3	59.8	61.4	62.9
97.5°	102.8	101.5	100.8	100.2	99.1	98.0	96.9	95.8	96.9	98.0	99.1
100°	142.0	140.9	140.3	139.6	138.3	137.0	135.7	134.4	135.7	137.0	138.3
102.5°	184.1	182.6	181.8	181.5	180.8	180.1	179.5	178.8	179.5	180.1	180.8
105°	227.3	225.3	224.3	224.1	223.6	223.2	222.7	222.3	222.7	223.2	223.6
107.5°	276.0	275.1	274.7	274.6	274.4	274.1	273.9	273.7	273.9	274.1	274.4
110°	323.8	323.3	323.1	322.9	322.4	322.0	321.5	321.1	321.5	322.0	322.4

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	371.5	371.5	371.5	371.4	371.2	370.9	370.7	370.5	370.7	370.9	371.2
115°	422.2	422.7	422.9	422.6	421.9	421.3	420.6	420.0	420.6	421.3	421.9
117.5°	470.7	471.1	471.3	471.2	471.0	470.7	470.5	470.3	470.5	470.7	471.0
120°	521.1	522.2	522.7	522.0	520.7	519.4	518.1	516.8	518.1	519.4	520.7
122.5°	568.5	569.0	569.2	568.8	567.9	567.0	566.1	565.2	566.1	567.0	567.9
125°	616.9	617.4	617.6	617.3	616.6	615.9	615.3	614.6	615.3	615.9	616.6
127.5°	665.3	665.8	666.0	665.3	664.0	662.7	661.4	660.1	661.4	662.7	664.0
130°	712.4	713.1	713.4	712.5	710.8	709.0	707.3	705.5	707.3	709.0	710.8
132.5°	758.2	758.7	758.9	758.0	756.3	754.5	752.8	751.0	752.8	754.5	756.3
135°	803.0	803.2	803.3	802.6	801.3	800.0	798.7	797.4	798.7	800.0	801.3
137.5°	845.8	845.1	844.8	844.3	843.2	842.1	841.0	839.9	841.0	842.1	843.2
140°	889.6	889.4	889.3	888.8	887.7	886.6	885.5	884.4	885.5	886.6	887.7
142.5°	930.5	930.0	929.8	929.3	928.2	927.1	926.0	924.9	926.0	927.1	928.2
145°	970.3	969.6	969.3	969.1	968.7	968.2	967.8	967.4	967.8	968.2	968.7
147.5°	1008.9	1008.2	1007.9	1007.5	1006.6	1005.7	1004.8	1003.9	1004.8	1005.7	1006.6
150°	1045.1	1044.6	1044.4	1044.2	1043.8	1043.3	1042.9	1042.5	1042.9	1043.3	1043.8
152.5°	1077.3	1077.1	1077.0	1076.7	1076.0	1075.4	1074.7	1074.1	1074.7	1075.4	1076.0
155°	1108.0	1107.8	1107.7	1107.7	1107.7	1107.7	1107.7	1107.7	1107.7	1107.7	1107.7
157.5°	1135.6	1135.4	1135.3	1135.4	1135.6	1135.9	1136.1	1136.3	1136.1	1135.9	1135.6
160°	1161.0	1161.0	1161.0	1161.2	1161.7	1162.1	1162.6	1163.0	1162.6	1162.1	1161.7
162.5°	1184.1	1183.9	1183.8	1184.1	1184.8	1185.4	1186.1	1186.7	1186.1	1185.4	1184.8
165°	1203.5	1203.5	1203.5	1203.8	1204.5	1205.2	1205.8	1206.5	1205.8	1205.2	1204.5
167.5°	1219.6	1219.4	1219.3	1219.7	1220.6	1221.5	1222.4	1223.3	1222.4	1221.5	1220.6
170°	1233.2	1233.2	1233.2	1233.6	1234.5	1235.4	1236.2	1237.1	1236.2	1235.4	1234.5
172.5°	1244.0	1244.0	1244.0	1244.4	1245.3	1246.2	1247.1	1248.0	1247.1	1246.2	1245.3
175°	1251.0	1251.0	1251.0	1251.4	1252.3	1253.2	1254.0	1254.9	1254.0	1253.2	1252.3
177.5°	1254.9	1254.9	1254.9	1255.3	1256.2	1257.1	1258.0	1258.9	1258.0	1257.1	1256.2
180°	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	775.0	774.3	775.8	771.2	763.6	759.8	749.1	746.8	746.0	746.8	747.6
5°	753.7	752.9	750.6	743.0	733.8	727.0	714.0	713.2	708.7	704.1	706.4
7.5°	733.1	730.0	725.4	715.5	703.3	695.7	685.0	677.4	671.3	667.5	664.4
10°	712.5	707.9	703.3	690.4	675.1	663.7	650.7	644.6	637.7	634.7	631.6
12.5°	685.8	681.2	672.8	657.6	648.4	633.9	620.9	614.8	611.0	604.9	601.1
15°	664.4	655.3	650.7	634.7	615.6	614.1	590.4	588.9	581.3	581.3	575.2
17.5°	640.0	633.1	624.8	608.7	595.0	581.3	569.1	564.5	557.6	556.1	553.0
20°	616.4	607.2	604.2	588.1	573.6	556.9	543.9	539.3	536.3	533.2	535.5
22.5°	592.0	584.3	576.7	562.2	551.5	534.7	527.1	522.5	518.0	516.4	517.2
25°	568.3	561.4	553.8	539.3	527.9	514.1	507.3	505.0	502.7	502.7	501.9
27.5°	545.4	538.6	531.7	518.7	507.3	497.4	492.0	489.7	487.4	489.0	490.5
30°	521.8	515.7	509.6	498.1	489.0	479.8	476.8	475.2	474.5	478.3	478.3
32.5°	500.4	495.1	490.5	479.8	470.7	463.0	460.7	461.5	462.3	464.6	466.1
35°	478.3	474.5	469.9	460.7	453.1	446.3	447.0	447.0	448.5	452.4	455.4
37.5°	458.5	453.1	449.3	441.7	435.6	429.5	431.8	434.0	435.6	440.1	441.7
40°	434.8	432.5	429.5	421.8	416.5	415.7	416.5	418.0	421.1	423.4	425.7
42.5°	415.7	412.7	408.9	402.8	398.2	399.0	399.7	401.2	402.8	406.6	408.9
45°	394.4	392.1	389.0	383.7	379.9	380.6	381.4	381.4	382.9	387.5	389.0
47.5°	370.7	371.5	367.7	362.3	360.1	360.1	360.1	361.6	365.4	366.9	367.7
50°	347.8	346.3	345.6	340.2	338.7	337.9	338.7	339.5	344.8	344.0	346.3
52.5°	323.4	323.4	322.7	319.6	317.3	317.3	315.8	319.6	321.1	322.7	325.0
55°	299.8	297.5	296.7	295.2	292.2	291.4	292.9	297.5	299.0	300.6	302.8
57.5°	273.9	273.9	272.3	270.0	270.0	270.0	270.0	273.1	275.4	276.9	281.5
60°	250.2	247.2	244.9	244.9	244.9	244.1	248.7	248.7	253.3	254.0	255.5
62.5°	222.0	220.5	218.9	219.7	218.9	220.5	222.0	225.0	225.8	228.1	230.4
65°	195.3	195.3	193.8	198.3	195.3	195.3	199.1	199.1	200.6	202.9	206.0
67.5°	169.3	170.1	168.6	168.6	170.1	170.9	171.6	174.7	175.4	178.5	182.3
70°	142.6	144.2	144.9	143.4	144.9	146.5	148.0	148.8	151.8	153.3	155.6
72.5°	119.0	120.5	118.2	119.0	119.8	121.3	122.1	123.6	125.1	129.7	131.2
75°	95.4	94.6	93.8	96.9	95.4	98.4	99.2	99.2	100.7	104.5	106.0
77.5°	73.2	73.2	74.0	72.5	74.8	74.0	74.8	77.0	79.3	79.3	85.4
80°	51.1	52.6	52.6	52.6	53.4	54.2	52.6	56.4	57.2	57.2	59.5
82.5°	32.8	33.6	32.8	34.3	34.3	35.9	35.1	35.9	37.4	38.9	39.7
85°	17.5	17.5	19.1	19.1	18.3	19.1	18.3	19.1	20.6	20.6	21.4
87.5°	6.1	6.1	6.1	6.1	6.9	6.1	6.9	6.9	6.1	6.1	8.4
90°	9.8	10.9	12.3	15.2	18.0	20.9	23.7	24.6	25.5	26.4	27.3
92.5°	34.9	35.6	36.3	37.6	38.9	40.2	41.5	42.2	42.8	43.5	44.2
95°	64.4	65.2	66.1	67.8	69.6	71.3	73.1	74.0	74.9	75.8	76.7
97.5°	100.2	100.8	101.5	102.8	104.1	105.4	106.7	107.8	108.9	110.0	111.1
100°	139.6	140.3	140.9	142.0	143.1	144.2	145.3	145.9	146.6	147.2	147.9
102.5°	181.5	181.8	182.6	184.1	185.6	187.2	188.7	189.4	190.0	190.7	191.4
105°	224.1	224.3	225.3	227.3	229.2	231.2	233.2	233.2	233.2	233.2	233.2
107.5°	274.6	274.7	275.1	276.0	276.9	277.7	278.6	279.3	279.9	280.6	281.3
110°	322.9	323.1	323.3	323.8	324.2	324.7	325.1	326.0	326.8	327.7	328.6

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	371.4	371.5	371.5	371.5	371.5	371.5	371.5	372.6	373.7	374.8	375.9
115°	422.6	422.9	422.7	422.2	421.8	421.3	420.9	421.1	421.3	421.6	421.8
117.5°	471.2	471.3	471.1	470.7	470.2	469.8	469.4	469.4	469.4	469.4	469.4
120°	522.0	522.7	522.2	521.1	520.0	518.9	517.8	517.6	517.4	517.1	516.9
122.5°	568.8	569.2	569.0	568.5	568.1	567.6	567.2	566.5	565.9	565.2	564.5
125°	617.3	617.6	617.4	616.9	616.5	616.0	615.6	614.7	613.8	612.9	612.0
127.5°	665.3	666.0	665.8	665.3	664.9	664.4	664.0	662.7	661.4	660.1	658.8
130°	712.5	713.4	713.1	712.4	711.8	711.1	710.5	709.6	708.7	707.8	706.9
132.5°	758.0	758.9	758.7	758.2	757.8	757.3	756.9	755.8	754.7	753.6	752.5
135°	802.6	803.3	803.2	803.0	802.8	802.6	802.4	801.5	800.6	799.7	798.8
137.5°	844.3	844.8	845.1	845.8	846.5	847.1	847.8	846.7	845.6	844.5	843.4
140°	888.8	889.3	889.4	889.6	889.9	890.1	890.3	890.1	889.9	889.6	889.4
142.5°	929.3	929.8	930.0	930.5	930.9	931.4	931.8	931.6	931.4	931.1	930.9
145°	969.1	969.3	969.6	970.3	971.0	971.6	972.3	972.1	971.9	971.6	971.4
147.5°	1007.5	1007.9	1008.2	1008.9	1009.5	1010.2	1010.8	1010.8	1010.8	1010.8	1010.8
150°	1044.2	1044.4	1044.6	1045.1	1045.5	1046.0	1046.4	1046.4	1046.4	1046.4	1046.4
152.5°	1076.7	1077.0	1077.1	1077.3	1077.6	1077.8	1078.0	1078.4	1078.9	1079.3	1079.8
155°	1107.7	1107.7	1107.8	1108.0	1108.3	1108.5	1108.7	1109.6	1110.4	1111.3	1112.2
157.5°	1135.4	1135.3	1135.4	1135.6	1135.9	1136.1	1136.3	1137.2	1138.1	1139.0	1139.9
160°	1161.2	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1162.1	1163.2	1164.3	1165.4
162.5°	1184.1	1183.8	1183.9	1184.1	1184.4	1184.6	1184.8	1185.9	1187.0	1188.1	1189.2
165°	1203.8	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1204.8	1206.2	1207.5	1208.8
167.5°	1219.7	1219.3	1219.4	1219.6	1219.9	1220.1	1220.3	1221.6	1223.0	1224.3	1225.6
170°	1233.6	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1234.7	1236.3	1237.8	1239.3
172.5°	1244.4	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1245.3	1246.7	1248.0	1249.3
175°	1251.4	1251.0	1251.0	1251.0	1251.0	1251.0	1251.0	1252.3	1253.6	1254.9	1256.2
177.5°	1255.3	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1256.2	1257.5	1258.8	1260.1
180°	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	746.8	747.6	744.5	742.2	748.3	744.5	744.5	745.3	743.8	746.0	745.3
5°	704.8	705.6	700.3	701.8	698.7	698.0	697.2	701.8	701.0	700.3	701.8
7.5°	663.7	663.7	661.4	659.8	659.8	657.6	660.6	659.8	661.4	661.4	663.7
10°	629.3	630.9	627.0	623.2	622.5	623.2	623.2	624.0	624.8	630.1	629.3
12.5°	601.1	598.8	598.1	595.8	592.0	590.4	588.9	597.3	595.0	595.0	595.0
15°	569.8	575.2	574.4	567.5	566.0	569.1	567.5	567.5	575.2	574.4	573.6
17.5°	553.0	551.5	550.0	546.2	546.9	546.2	546.9	546.9	551.5	551.5	551.5
20°	534.0	530.9	530.9	529.4	529.4	527.1	530.2	530.9	534.0	534.0	534.7
22.5°	517.2	514.9	514.9	514.1	515.7	512.6	515.7	516.4	516.4	518.7	518.7
25°	502.7	501.2	501.2	502.7	502.7	502.7	502.7	505.8	503.5	504.2	503.5
27.5°	489.7	490.5	491.3	492.0	491.3	492.0	492.8	494.3	495.1	494.3	492.8
30°	477.5	479.8	480.6	480.6	482.1	482.9	483.6	483.6	484.4	482.1	483.6
32.5°	468.4	468.4	469.9	470.7	472.2	473.0	473.0	474.5	473.7	471.4	472.2
35°	455.4	455.4	458.5	460.0	462.3	461.5	462.3	462.3	463.0	461.5	459.2
37.5°	442.4	444.0	444.0	447.0	447.8	448.5	447.8	449.3	448.5	447.0	446.3
40°	427.2	426.4	427.2	429.5	430.2	430.2	430.2	431.8	431.8	431.8	431.0
42.5°	408.1	410.4	409.6	411.9	411.2	411.2	412.7	414.2	415.0	412.7	413.5
45°	389.8	389.8	391.3	391.3	392.1	392.1	395.1	393.6	395.1	393.6	394.4
47.5°	370.0	370.7	370.7	371.5	373.0	374.5	373.0	373.8	373.8	374.5	373.0
50°	347.8	347.8	349.4	351.7	354.7	353.2	352.4	355.5	353.2	353.2	351.7
52.5°	325.0	327.3	328.0	330.3	332.6	333.4	334.1	332.6	333.4	331.1	331.8
55°	302.8	303.6	306.7	308.9	311.2	311.2	310.5	311.2	312.0	308.9	308.9
57.5°	280.7	283.0	286.1	286.1	289.1	289.1	288.3	288.3	289.1	286.8	286.1
60°	257.1	259.4	263.2	263.2	267.8	268.5	267.0	265.5	265.5	263.2	263.9
62.5°	231.9	234.2	236.5	240.3	243.3	241.8	244.9	241.8	242.6	238.0	238.0
65°	209.8	210.5	214.4	218.2	218.2	219.7	218.2	218.9	216.6	216.6	213.6
67.5°	183.8	183.8	187.7	191.5	195.3	195.3	195.3	193.0	193.0	190.7	190.7
70°	161.0	160.2	164.0	166.3	168.6	169.3	167.8	167.1	165.5	163.2	162.5
72.5°	132.7	134.3	138.1	139.6	143.4	142.6	146.5	141.9	141.9	138.1	137.3
75°	107.6	109.1	112.9	115.2	117.5	117.5	119.8	117.5	114.4	112.9	112.1
77.5°	85.4	84.7	87.7	91.5	92.3	91.5	93.1	92.3	89.3	89.3	87.7
80°	61.0	63.3	66.4	65.6	68.7	67.9	67.9	66.4	66.4	64.1	65.6
82.5°	40.4	42.7	43.5	42.7	43.5	45.0	45.8	45.0	45.0	43.5	44.2
85°	21.4	21.4	22.9	23.6	22.9	22.9	23.6	25.9	24.4	22.9	24.4
87.5°	6.9	6.1	6.1	6.9	6.1	6.1	6.9	6.9	7.6	7.6	7.6
90°	27.7	27.9	28.3	28.8	29.2	29.6	29.2	28.8	28.3	27.9	27.7
92.5°	44.5	44.3	43.8	43.4	42.9	42.5	42.9	43.4	43.8	44.3	44.5
95°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
97.5°	111.7	111.6	111.4	111.1	110.9	110.7	110.9	111.1	111.4	111.6	111.7
100°	148.2	148.4	148.9	149.3	149.8	150.2	149.8	149.3	148.9	148.4	148.2
102.5°	191.7	191.6	191.4	191.1	190.9	190.7	190.9	191.1	191.4	191.6	191.7
105°	233.2	233.4	233.9	234.3	234.8	235.2	234.8	234.3	233.9	233.4	233.2
107.5°	281.6	281.5	281.3	281.0	280.8	280.6	280.8	281.0	281.3	281.5	281.6
110°	329.0	328.8	328.4	327.9	327.5	327.1	327.5	327.9	328.4	328.8	329.0

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	376.5	376.5	376.5	376.5	376.5	376.5	376.5	376.5	376.5	376.5	376.5
115°	421.9	421.8	421.6	421.3	421.1	420.9	421.1	421.3	421.6	421.8	421.9
117.5°	469.4	469.1	468.4	467.7	467.1	466.4	467.1	467.7	468.4	469.1	469.4
120°	516.8	516.6	516.1	515.7	515.2	514.8	515.2	515.7	516.1	516.6	516.8
122.5°	564.2	563.9	563.2	562.6	561.9	561.3	561.9	562.6	563.2	563.9	564.2
125°	611.6	611.2	610.3	609.4	608.6	607.7	608.6	609.4	610.3	611.2	611.6
127.5°	658.1	657.7	656.8	655.9	655.0	654.1	655.0	655.9	656.8	657.7	658.1
130°	706.5	705.7	704.2	702.7	701.1	699.6	701.1	702.7	704.2	705.7	706.5
132.5°	752.0	751.4	750.3	749.2	748.1	747.0	748.1	749.2	750.3	751.4	752.0
135°	798.4	798.2	797.7	797.3	796.8	796.4	796.8	797.3	797.7	798.2	798.4
137.5°	842.9	842.6	841.9	841.2	840.6	839.9	840.6	841.2	841.9	842.6	842.9
140°	889.3	888.5	887.0	885.5	883.9	882.4	883.9	885.5	887.0	888.5	889.3
142.5°	930.8	930.3	929.2	928.1	927.0	925.9	927.0	928.1	929.2	930.3	930.8
145°	971.3	970.9	970.0	969.1	968.3	967.4	968.3	969.1	970.0	970.9	971.3
147.5°	1010.8	1010.1	1008.8	1007.5	1006.2	1004.9	1006.2	1007.5	1008.8	1010.1	1010.8
150°	1046.4	1045.7	1044.4	1043.1	1041.8	1040.5	1041.8	1043.1	1044.4	1045.7	1046.4
152.5°	1080.0	1079.5	1078.4	1077.3	1076.2	1075.1	1076.2	1077.3	1078.4	1079.5	1080.0
155°	1112.6	1111.8	1110.3	1108.8	1107.2	1105.7	1107.2	1108.8	1110.3	1111.8	1112.6
157.5°	1140.3	1139.6	1138.3	1137.0	1135.7	1134.4	1135.7	1137.0	1138.3	1139.6	1140.3
160°	1166.0	1165.6	1164.7	1163.8	1162.9	1162.0	1162.9	1163.8	1164.7	1165.6	1166.0
162.5°	1189.7	1188.9	1187.4	1185.9	1184.3	1182.8	1184.3	1185.9	1187.4	1188.9	1189.7
165°	1209.5	1208.7	1207.2	1205.6	1204.1	1202.5	1204.1	1205.6	1207.2	1208.7	1209.5
167.5°	1226.3	1225.6	1224.3	1223.0	1221.6	1220.3	1221.6	1223.0	1224.3	1225.6	1226.3
170°	1240.1	1239.3	1237.8	1236.3	1234.7	1233.2	1234.7	1236.3	1237.8	1239.3	1240.1
172.5°	1250.0	1249.2	1247.7	1246.2	1244.6	1243.1	1244.6	1246.2	1247.7	1249.2	1250.0
175°	1256.9	1256.1	1254.6	1253.1	1251.5	1250.0	1251.5	1253.1	1254.6	1256.1	1256.9
177.5°	1260.8	1260.0	1258.5	1257.0	1255.4	1253.9	1255.4	1257.0	1258.5	1260.0	1260.8
180°	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	747.6	749.1	749.9	746.8	744.5	748.3	753.7	757.5	760.5	764.3	766.6
5°	703.3	708.7	708.7	710.2	712.5	716.3	726.2	733.1	739.2	743.8	747.6
7.5°	665.9	669.8	672.0	675.9	679.7	685.0	696.5	706.4	715.5	720.9	727.0
10°	632.4	635.4	639.2	641.5	648.4	656.0	670.5	678.9	689.6	698.0	705.6
12.5°	600.3	611.0	613.3	612.5	618.7	627.0	641.5	654.5	665.9	674.3	682.7
15°	577.5	581.3	585.8	585.1	598.1	600.3	612.5	627.8	643.1	648.4	656.0
17.5°	552.3	558.4	563.0	565.3	569.1	577.5	588.9	600.3	620.2	620.9	640.8
20°	532.5	538.6	541.6	544.7	546.9	556.9	566.8	579.7	595.8	604.2	614.8
22.5°	519.5	522.5	524.8	527.1	530.2	535.5	547.7	562.2	572.9	582.0	588.9
25°	504.2	507.3	510.3	511.9	514.1	517.2	526.3	537.8	553.0	559.2	566.0
27.5°	493.5	493.5	495.1	495.1	498.1	501.2	508.0	518.7	530.9	538.6	547.7
30°	482.1	481.3	482.1	481.3	480.6	485.2	491.3	500.4	508.8	518.0	524.1
32.5°	470.7	469.9	469.9	470.7	467.6	469.9	473.0	481.3	490.5	495.1	501.9
35°	458.5	456.9	456.9	456.9	455.4	453.9	456.9	464.6	470.7	476.8	482.1
37.5°	446.3	444.0	444.0	442.4	440.9	438.6	438.6	444.7	453.1	455.4	462.3
40°	429.5	429.5	427.9	427.2	425.7	424.1	421.8	427.2	434.8	437.1	442.4
42.5°	412.7	410.4	409.6	409.6	409.6	407.3	405.8	409.6	414.2	418.0	421.1
45°	393.6	392.1	392.9	392.1	390.6	389.8	389.0	390.6	395.9	397.4	401.2
47.5°	373.0	372.3	372.3	371.5	370.7	371.5	368.4	372.3	373.8	375.3	378.4
50°	351.7	350.9	350.1	349.4	349.4	350.1	349.4	349.4	352.4	354.0	357.0
52.5°	330.3	328.0	328.0	327.3	327.3	325.7	327.3	328.0	329.5	331.1	332.6
55°	307.4	307.4	305.1	305.1	303.6	303.6	304.4	303.6	306.7	308.2	308.2
57.5°	285.3	282.2	283.0	281.5	280.0	279.2	279.2	280.7	282.2	282.2	283.8
60°	261.6	258.6	257.8	254.8	256.3	254.0	254.8	254.8	257.8	256.3	257.8
62.5°	238.0	234.2	231.9	230.4	230.4	231.1	229.6	228.8	230.4	231.9	234.9
65°	212.8	210.5	208.3	206.0	206.0	205.2	206.7	204.4	203.7	204.4	206.0
67.5°	186.9	184.6	182.3	180.0	180.8	178.5	177.0	179.3	177.7	178.5	180.0
70°	161.7	160.2	155.6	154.1	153.3	154.1	153.3	151.8	154.1	153.3	154.1
72.5°	136.5	135.0	132.7	128.9	128.9	128.2	127.4	127.4	126.6	126.6	126.6
75°	112.1	109.1	106.8	106.0	104.5	103.7	103.0	101.5	102.2	103.0	101.5
77.5°	87.0	83.1	82.4	82.4	80.1	80.1	80.9	80.1	79.3	79.3	79.3
80°	64.1	61.0	61.0	59.5	58.0	58.0	58.0	58.0	57.2	56.4	57.2
82.5°	41.2	40.4	39.7	39.7	41.2	38.1	39.7	38.9	38.1	38.1	37.4
85°	22.9	23.6	22.9	23.6	22.1	22.9	22.9	22.9	22.1	22.9	21.4
87.5°	8.4	8.4	8.4	9.2	9.2	9.2	9.2	9.2	9.9	9.2	9.2
90°	27.3	26.4	25.5	24.6	23.7	20.9	18.0	15.2	12.3	10.9	9.8
92.5°	44.2	43.5	42.8	42.2	41.5	40.2	38.9	37.6	36.3	35.6	34.9
95°	76.7	75.8	74.9	74.0	73.1	71.3	69.6	67.8	66.1	65.2	64.4
97.5°	111.1	110.0	108.9	107.8	106.7	105.4	104.1	102.8	101.5	100.8	100.2
100°	147.9	147.2	146.6	145.9	145.3	144.2	143.1	142.0	140.9	140.3	139.6
102.5°	191.4	190.7	190.0	189.4	188.7	187.2	185.6	184.1	182.6	181.8	181.5
105°	233.2	233.2	233.2	233.2	233.2	231.2	229.2	227.3	225.3	224.3	224.1
107.5°	281.3	280.6	279.9	279.3	278.6	277.7	276.9	276.0	275.1	274.7	274.6
110°	328.6	327.7	326.8	326.0	325.1	324.7	324.2	323.8	323.3	323.1	322.9

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	375.9	374.8	373.7	372.6	371.5	371.5	371.5	371.5	371.5	371.5	371.4
115°	421.8	421.6	421.3	421.1	420.9	421.3	421.8	422.2	422.7	422.9	422.6
117.5°	469.4	469.4	469.4	469.4	469.4	469.8	470.2	470.7	471.1	471.3	471.2
120°	516.9	517.1	517.4	517.6	517.8	518.9	520.0	521.1	522.2	522.7	522.0
122.5°	564.5	565.2	565.9	566.5	567.2	567.6	568.1	568.5	569.0	569.2	568.8
125°	612.0	612.9	613.8	614.7	615.6	616.0	616.5	616.9	617.4	617.6	617.3
127.5°	658.8	660.1	661.4	662.7	664.0	664.4	664.9	665.3	665.8	666.0	665.3
130°	706.9	707.8	708.7	709.6	710.5	711.1	711.8	712.4	713.1	713.4	712.5
132.5°	752.5	753.6	754.7	755.8	756.9	757.3	757.8	758.2	758.7	758.9	758.0
135°	798.8	799.7	800.6	801.5	802.4	802.6	802.8	803.0	803.2	803.3	802.6
137.5°	843.4	844.5	845.6	846.7	847.8	847.1	846.5	845.8	845.1	844.8	844.3
140°	889.4	889.6	889.9	890.1	890.3	890.1	889.9	889.6	889.4	889.3	888.8
142.5°	930.9	931.1	931.4	931.6	931.8	931.4	930.9	930.5	930.0	929.8	929.3
145°	971.4	971.6	971.9	972.1	972.3	971.6	971.0	970.3	969.6	969.3	969.1
147.5°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.2	1009.5	1008.9	1008.2	1007.9	1007.5
150°	1046.4	1046.4	1046.4	1046.4	1046.4	1046.0	1045.5	1045.1	1044.6	1044.4	1044.2
152.5°	1079.8	1079.3	1078.9	1078.4	1078.0	1077.8	1077.6	1077.3	1077.1	1077.0	1076.7
155°	1112.2	1111.3	1110.4	1109.6	1108.7	1108.5	1108.3	1108.0	1107.8	1107.7	1107.7
157.5°	1139.9	1139.0	1138.1	1137.2	1136.3	1136.1	1135.9	1135.6	1135.4	1135.3	1135.4
160°	1165.4	1164.3	1163.2	1162.1	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.2
162.5°	1189.2	1188.1	1187.0	1185.9	1184.8	1184.6	1184.4	1184.1	1183.9	1183.8	1184.1
165°	1208.8	1207.5	1206.2	1204.8	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.8
167.5°	1225.6	1224.3	1223.0	1221.6	1220.3	1220.1	1219.9	1219.6	1219.4	1219.3	1219.7
170°	1239.3	1237.8	1236.3	1234.7	1233.2	1233.2	1233.2	1233.2	1233.2	1233.2	1233.6
172.5°	1249.3	1248.0	1246.7	1245.3	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.4
175°	1256.2	1254.9	1253.6	1252.3	1251.0	1251.0	1251.0	1251.0	1251.0	1251.0	1251.4
177.5°	1260.1	1258.8	1257.5	1256.2	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1255.3
180°	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9

TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	787.2	787.2	787.2	787.2
2.5°	770.5	772.7	780.4	789.5
5°	755.2	761.3	772.0	786.5
7.5°	738.4	747.6	762.8	781.1
10°	719.3	732.3	751.4	774.3
12.5°	698.7	715.5	739.9	763.6
15°	685.8	702.6	724.7	750.6
17.5°	660.6	680.4	703.3	739.9
20°	634.7	656.8	686.5	723.2
22.5°	614.8	638.5	666.7	705.6
25°	591.2	615.6	646.1	686.5
27.5°	566.0	590.4	624.8	667.5
30°	546.9	570.6	603.4	649.2
32.5°	524.1	546.9	581.3	629.3
35°	498.1	524.1	556.9	605.7
37.5°	478.3	501.9	536.3	582.8
40°	456.9	477.5	511.1	556.9
42.5°	434.0	456.9	485.9	531.7
45°	412.7	429.5	459.2	502.7
47.5°	389.8	408.9	431.8	465.3
50°	365.4	381.4	406.6	429.5
52.5°	341.7	354.7	376.1	393.6
55°	316.6	329.5	345.6	356.2
57.5°	292.9	302.1	312.8	319.6
60°	263.9	273.1	280.0	286.8
62.5°	238.0	244.9	248.7	252.5
65°	211.3	215.1	217.4	220.5
67.5°	182.3	186.1	186.9	191.5
70°	155.6	156.4	157.9	160.2
72.5°	130.4	132.0	131.2	132.7
75°	104.5	106.0	104.5	106.0
77.5°	79.3	80.9	80.9	83.1
80°	57.2	58.0	58.7	58.7
82.5°	37.4	39.7	38.1	38.9
85°	21.4	22.1	22.1	22.9
87.5°	9.9	10.7	9.9	11.4
90°	7.6	5.4	3.2	1.0
92.5°	33.6	32.3	30.9	29.6
95°	62.9	61.4	59.8	58.3
97.5°	99.1	98.0	96.9	95.8
100°	138.3	137.0	135.7	134.4
102.5°	180.8	180.1	179.5	178.8
105°	223.6	223.2	222.7	222.3
107.5°	274.4	274.1	273.9	273.7
110°	322.4	322.0	321.5	321.1



TEST NUMBER: P1011686

CATALOG NUMBER: S123DIP-B560D1025UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	371.2	370.9	370.7	370.5
115°	421.9	421.3	420.6	420.0
117.5°	471.0	470.7	470.5	470.3
120°	520.7	519.4	518.1	516.8
122.5°	567.9	567.0	566.1	565.2
125°	616.6	615.9	615.3	614.6
127.5°	664.0	662.7	661.4	660.1
130°	710.8	709.0	707.3	705.5
132.5°	756.3	754.5	752.8	751.0
135°	801.3	800.0	798.7	797.4
137.5°	843.2	842.1	841.0	839.9
140°	887.7	886.6	885.5	884.4
142.5°	928.2	927.1	926.0	924.9
145°	968.7	968.2	967.8	967.4
147.5°	1006.6	1005.7	1004.8	1003.9
150°	1043.8	1043.3	1042.9	1042.5
152.5°	1076.0	1075.4	1074.7	1074.1
155°	1107.7	1107.7	1107.7	1107.7
157.5°	1135.6	1135.9	1136.1	1136.3
160°	1161.7	1162.1	1162.6	1163.0
162.5°	1184.8	1185.4	1186.1	1186.7
165°	1204.5	1205.2	1205.8	1206.5
167.5°	1220.6	1221.5	1222.4	1223.3
170°	1234.5	1235.4	1236.2	1237.1
172.5°	1245.3	1246.2	1247.1	1248.0
175°	1252.3	1253.2	1254.0	1254.9
177.5°	1256.2	1257.1	1258.0	1258.9
180°	1257.9	1257.9	1257.9	1257.9

(END OF REPORT)