

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: P1028096

Luminaire Tested: S125DIP-B610D375UB50-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028096
REPORT IS A COMBINATION OF REPORTS P1002290 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D375UB50-4F0-XX-W2A-A
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

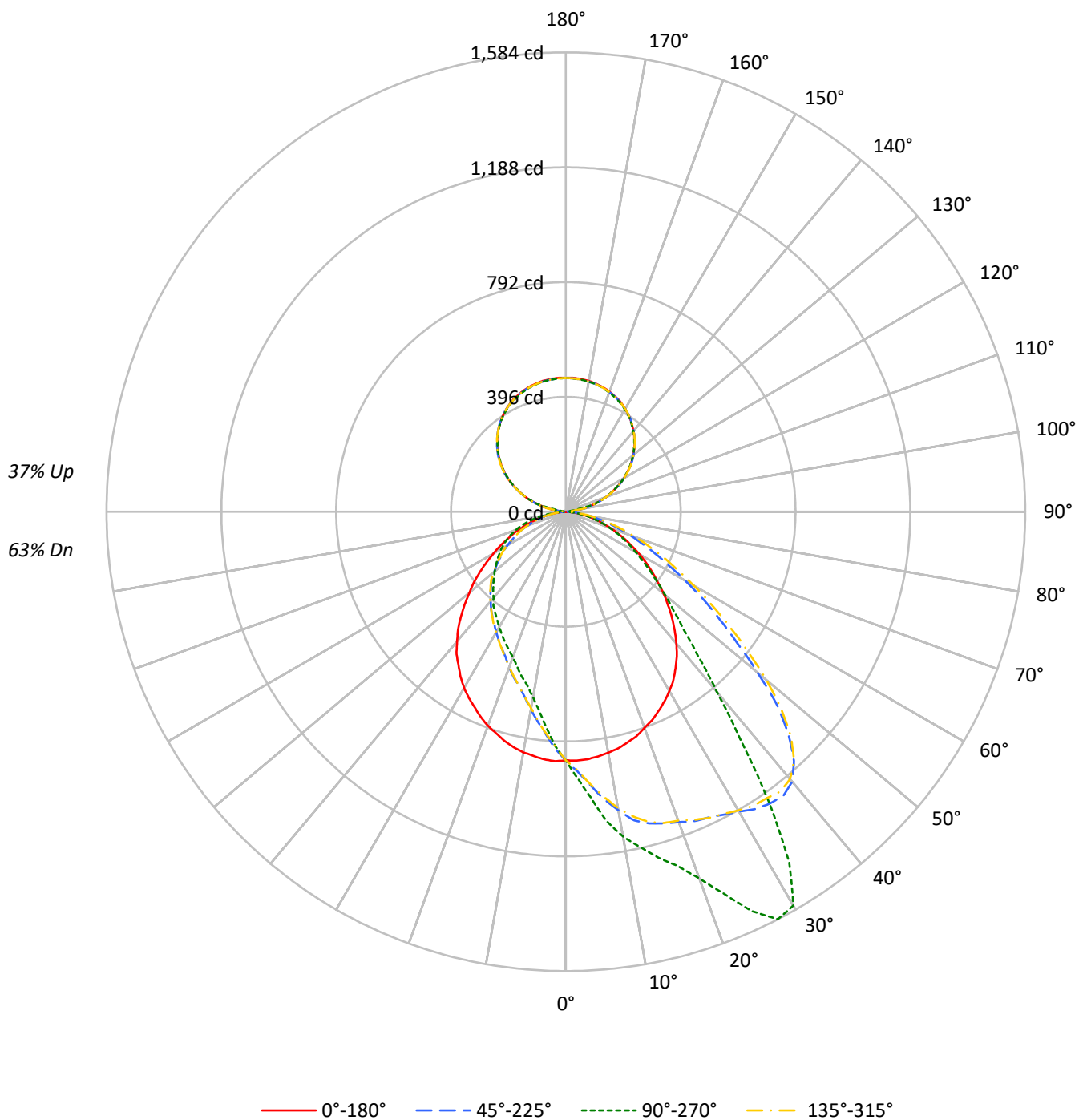
Lumens per Lamp: N/A
Luminaire Lumens: 3837.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 33.3
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



TEST NUMBER: P1028096

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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	91	91	91	79	79	79	68	68	68
1	101	97	93	89	95	91	88	84	80	77	75	70	68	66	61	59	58
2	92	85	79	73	86	80	74	70	70	66	63	62	59	56	54	51	49
3	84	75	67	62	79	70	64	59	62	57	53	55	51	48	48	45	42
4	77	66	58	52	72	63	55	50	56	50	45	49	45	41	43	39	37
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32
6	66	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	26	23
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20
10	49	37	29	25	46	35	28	24	32	26	22	28	24	20	25	21	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5492	5492	5492	5492
5°	5497	6231	5501	4727
10°	5463	7102	5454	4057
15°	5423	7700	5389	3666
20°	5355	8438	5305	3347
25°	5293	9668	5197	3158
30°	5206	10200	5116	2987
35°	5068	8176	4962	2849
40°	4853	5651	4781	2704
45°	4580	4207	4529	2583
50°	4269	3464	4198	2486
55°	3932	2954	3901	2402
60°	3602	2529	3540	2337
65°	3246	2184	3194	2242
70°	2870	1813	2833	2077
75°	2473	1403	2439	1802
80°	1952	948	1881	1325
85°	1246	474	1206	676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8389 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	2.2
10°-20°	245.7	6.4
20°-30°	399.2	10.4
30°-40°	487.9	12.7
40°-50°	442.5	11.5
50°-60°	352.5	9.2
60°-70°	245.5	6.4
70°-80°	130.8	3.4
80°-90°	33.1	0.9
90°-100°	15.7	0.4
100°-110°	104.1	2.7
110°-120°	187.5	4.9
120°-130°	240.7	6.3
130°-140°	258.9	6.7
140°-150°	243.0	6.3
150°-160°	196.5	5.1
160°-170°	127.1	3.3
170°-180°	43.8	1.1
0°-30°	727.4	19.0
0°-40°	1215.3	31.7
0°-60°	2010.3	52.4
0°-90°	2419.7	63.1
90°-120°	307.3	8.0
90°-150°	1049.8	27.4
90°-180°	1417.0	36.9
0°-180°	3837.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	857	857	857	857	857	
5°	856	989	857	750	856	81
15°	823	1235	818	588	823	232
25°	758	1519	744	496	758	349
35°	659	1220	646	425	659	412
45°	518	575	512	353	518	399
55°	365	354	362	288	365	326
65°	226	218	222	223	226	224
75°	109	107	108	138	109	116
85°	22	24	21	34	22	26
90°	0	8	0	8	0	2
95°	20	7	20	7	20	24
105°	101	102	101	102	101	107
115°	189	187	189	187	189	187
125°	268	268	268	268	268	240
135°	335	334	335	334	335	258
145°	388	387	388	387	388	243
155°	428	424	428	424	428	197
165°	451	449	451	449	451	127
175°	461	459	461	459	461	44
180°	461	461	461	461	461	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	858.7	863.8	869.6	874.0	881.3	883.4	887.1	889.3	891.4	893.6	895.1
5°	856.5	868.9	879.8	887.8	901.6	906.7	913.3	921.3	930.7	938.7	943.8
7.5°	850.7	870.3	884.9	900.9	919.8	932.2	938.7	955.5	970.8	982.4	997.7
10°	843.4	866.7	889.3	913.3	940.2	954.0	967.1	990.4	1011.5	1030.4	1045.7
12.5°	835.4	863.8	890.7	922.0	958.4	975.1	983.9	1023.9	1050.1	1060.3	1090.1
15°	823.0	856.5	895.1	933.6	964.2	983.9	1007.9	1039.9	1066.1	1088.6	1112.7
17.5°	811.4	847.8	887.1	930.0	974.4	999.9	1018.1	1046.4	1074.8	1103.9	1126.5
20°	792.5	839.8	879.8	925.6	978.0	996.2	1015.1	1048.6	1079.2	1110.5	1138.9
22.5°	777.2	822.3	876.9	920.5	964.9	983.1	1006.4	1041.3	1077.7	1113.4	1154.9
25°	757.5	807.8	855.1	901.6	947.5	967.1	988.2	1033.3	1071.2	1117.0	1162.9
27.5°	736.4	788.1	835.4	877.6	920.5	947.5	970.0	1017.3	1067.5	1117.8	1177.4
30°	713.9	762.6	807.8	849.2	896.5	924.2	946.7	1002.1	1058.1	1122.1	1193.4
32.5°	689.9	735.7	774.3	816.5	866.7	892.2	922.7	983.1	1049.4	1125.8	1215.3
35°	659.3	703.0	737.2	780.1	830.3	863.1	895.1	962.8	1039.9	1125.0	1227.6
37.5°	628.7	662.9	695.7	741.5	799.7	829.6	863.1	937.3	1025.3	1122.9	1232.7
40°	592.4	625.8	654.2	700.8	761.9	796.1	831.0	908.9	1008.6	1114.8	1214.5
42.5°	556.0	584.3	615.6	664.4	723.3	759.7	796.8	883.4	986.8	1091.6	1164.3
45°	518.1	540.0	574.2	618.5	681.1	716.1	758.3	852.1	956.2	1049.4	1085.7
47.5°	478.8	500.7	532.7	575.6	637.5	678.9	719.0	812.8	917.6	989.7	989.7
50°	441.0	458.5	489.7	532.7	595.3	633.1	673.9	773.6	858.0	911.1	863.8
52.5°	400.2	419.9	446.1	491.2	553.1	587.3	631.6	716.8	796.8	818.7	745.9
55°	364.6	380.6	405.3	448.3	505.8	541.4	579.3	660.8	728.4	727.0	649.1
57.5°	327.5	340.6	366.8	406.1	459.2	491.2	529.0	599.6	654.9	635.3	561.8
60°	293.3	302.7	328.2	360.2	411.2	441.0	477.4	534.9	577.1	549.4	475.2
62.5°	257.6	268.5	288.9	320.2	365.3	389.3	416.2	474.5	501.4	476.6	401.0
65°	225.6	234.3	252.5	278.7	319.5	341.3	364.6	412.6	438.1	402.4	339.8
67.5°	193.6	203.8	216.9	240.1	272.2	292.5	312.9	354.4	366.0	334.0	281.6
70°	163.7	172.5	184.8	201.6	228.5	246.7	262.0	296.2	304.2	274.3	232.9
72.5°	134.6	140.4	150.6	164.5	189.2	199.4	215.4	238.7	248.9	222.0	192.1
75°	109.2	113.5	120.1	130.3	147.0	157.9	171.0	192.8	192.1	173.2	152.1
77.5°	84.4	85.1	92.4	101.9	112.1	121.5	128.1	143.4	144.8	133.2	115.7
80°	60.4	62.6	65.5	72.8	81.5	85.1	93.1	102.6	104.1	95.3	83.7
82.5°	38.6	40.0	42.2	46.6	52.4	56.8	61.1	64.8	68.4	63.3	53.9
85°	21.8	22.6	24.7	26.2	29.1	31.3	34.9	38.6	37.8	34.2	31.3
87.5°	10.9	10.9	10.9	12.4	13.8	13.8	15.3	16.0	16.7	15.3	13.8
90°	0.3	0.9	1.5	2.2	2.8	3.1	3.4	3.9	4.4	5.0	5.5
92.5°	6.5	5.8	5.1	4.4	3.7	3.4	3.6	4.1	4.6	5.0	5.5
95°	19.5	19.3	19.1	18.8	18.6	18.5	17.1	14.2	11.3	8.4	5.5
97.5°	36.6	37.0	37.5	37.9	38.4	38.6	35.0	27.8	20.6	13.4	6.2
100°	57.1	57.3	57.5	57.8	58.0	58.1	58.3	58.6	58.9	59.2	59.5
102.5°	78.0	78.3	78.6	78.9	79.2	79.4	79.5	79.6	79.7	79.9	80.0
105°	100.6	100.9	101.2	101.5	101.8	101.9	101.9	101.9	101.9	101.9	101.9
107.5°	123.8	123.8	123.8	123.8	123.8	123.8	123.9	124.0	124.2	124.3	124.5
110°	146.4	146.4	146.4	146.4	146.4	146.4	146.5	146.6	146.8	146.9	147.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	167.6	167.8	168.0	168.3	168.5	168.6	168.6	168.7	168.8	168.9	169.0
115°	188.8	189.2	189.6	189.9	190.3	190.5	190.5	190.6	190.7	190.8	190.9
117.5°	211.0	211.0	211.0	211.0	211.0	211.0	211.2	211.5	211.8	212.1	212.4
120°	231.6	231.5	231.4	231.3	231.2	231.2	231.3	231.5	231.8	232.0	232.2
122.5°	249.7	250.1	250.5	250.8	251.2	251.4	251.4	251.5	251.6	251.6	251.7
125°	268.5	269.0	269.6	270.1	270.6	270.9	270.9	270.9	270.9	270.9	270.9
127.5°	286.6	287.0	287.4	287.7	288.1	288.3	288.3	288.2	288.1	288.1	288.0
130°	303.0	303.4	303.8	304.1	304.5	304.7	304.7	304.8	304.9	305.0	305.1
132.5°	319.5	319.9	320.4	320.8	321.3	321.5	321.4	321.2	320.9	320.7	320.5
135°	334.8	335.3	335.7	336.2	336.7	336.9	336.8	336.7	336.5	336.4	336.2
137.5°	349.2	349.7	350.1	350.6	351.1	351.3	351.2	351.1	350.9	350.8	350.6
140°	363.2	363.4	363.5	363.7	363.8	363.9	363.9	363.8	363.7	363.7	363.6
142.5°	375.9	376.0	376.0	376.1	376.2	376.2	376.3	376.4	376.6	376.7	376.9
145°	388.2	388.4	388.5	388.7	388.8	388.9	388.9	388.9	388.9	388.9	388.9
147.5°	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.2	399.3	399.4	399.5
150°	409.4	409.2	409.1	408.9	408.8	408.7	408.8	408.9	409.1	409.2	409.4
152.5°	419.3	418.9	418.5	418.2	417.8	417.6	417.7	417.8	418.0	418.1	418.3
155°	427.5	427.1	426.6	426.2	425.7	425.5	425.6	425.7	425.9	426.0	426.2
157.5°	434.0	433.8	433.6	433.3	433.1	433.0	433.0	433.0	433.0	433.0	433.0
160°	440.9	440.4	440.0	439.5	439.0	438.8	438.8	438.9	439.0	439.1	439.2
162.5°	446.3	445.9	445.4	445.0	444.5	444.3	444.3	444.4	444.5	444.5	444.6
165°	451.1	450.7	450.2	449.8	449.3	449.1	449.1	449.2	449.3	449.3	449.4
167.5°	454.9	454.4	454.0	453.5	453.0	452.8	452.8	452.9	453.0	453.1	453.2
170°	458.0	457.5	456.9	456.4	455.9	455.6	455.6	455.7	455.8	455.8	455.9
172.5°	460.0	459.5	458.9	458.4	457.9	457.6	457.7	457.8	458.0	458.1	458.3
175°	461.4	460.9	460.5	460.0	459.5	459.3	459.3	459.4	459.5	459.6	459.7
177.5°	462.4	462.0	461.5	461.1	460.6	460.4	460.4	460.5	460.6	460.6	460.7
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	896.5	901.6	906.0	909.6	912.5	916.9	914.0	914.7	916.2	919.1	919.1
5°	954.8	962.8	967.1	981.7	985.3	984.6	982.4	994.0	993.3	989.0	988.2
7.5°	1011.5	1025.3	1037.7	1049.4	1053.0	1062.5	1064.6	1069.7	1068.3	1075.5	1071.9
10°	1063.2	1085.0	1096.7	1114.1	1118.5	1122.9	1128.7	1131.6	1138.1	1137.4	1137.4
12.5°	1103.2	1129.4	1144.7	1149.0	1165.8	1170.9	1176.0	1185.4	1183.2	1184.0	1188.3
15°	1134.5	1160.0	1173.1	1193.4	1205.1	1210.9	1219.6	1229.8	1228.4	1234.9	1233.5
17.5°	1157.8	1181.8	1205.8	1236.4	1237.1	1252.4	1272.8	1277.1	1286.6	1280.0	1280.0
20°	1176.7	1208.7	1242.9	1282.2	1286.6	1296.0	1320.8	1337.5	1348.4	1344.8	1347.0
22.5°	1197.1	1242.9	1282.9	1322.2	1343.3	1360.1	1384.1	1410.3	1419.8	1425.6	1424.1
25°	1223.3	1271.3	1330.2	1384.8	1406.7	1438.7	1470.7	1496.2	1503.4	1519.4	1504.9
27.5°	1250.2	1317.9	1391.4	1455.4	1483.1	1509.3	1547.8	1566.8	1576.2	1583.5	1578.4
30°	1272.8	1365.9	1446.0	1504.9	1524.5	1539.8	1561.7	1566.0	1562.4	1568.2	1575.5
32.5°	1307.7	1398.7	1466.3	1494.7	1492.5	1491.8	1475.1	1451.8	1446.7	1432.9	1451.8
35°	1326.6	1399.4	1425.6	1387.7	1372.5	1344.8	1291.7	1256.7	1226.2	1219.6	1221.1
37.5°	1315.7	1344.1	1312.8	1213.1	1188.3	1146.1	1075.5	1026.1	1003.5	986.0	1008.6
40°	1256.7	1225.5	1139.6	1018.1	982.4	942.4	876.2	849.2	817.2	810.7	840.5
42.5°	1159.2	1063.9	942.4	848.5	811.4	788.8	733.5	708.1	685.5	675.3	692.0
45°	1026.8	911.1	788.8	711.7	680.4	653.5	620.7	593.8	579.3	574.9	588.7
47.5°	890.0	767.7	670.2	612.7	580.0	559.6	529.0	513.8	502.1	503.6	505.8
50°	759.0	647.7	572.7	515.2	499.2	483.2	462.8	449.7	443.9	446.1	444.6
52.5°	646.2	556.0	492.7	448.3	441.0	425.7	409.0	398.1	395.9	396.6	398.8
55°	547.2	476.6	426.4	394.4	386.4	375.5	365.3	358.0	352.2	354.4	353.7
57.5°	472.3	410.4	371.9	345.7	339.8	333.3	323.8	320.2	318.0	313.6	317.3
60°	406.1	355.8	322.4	306.4	301.3	296.9	286.7	282.3	280.9	278.7	284.5
62.5°	343.5	307.8	282.3	267.8	262.7	258.3	253.2	249.6	250.3	247.4	250.3
65°	294.0	264.9	246.7	233.6	227.0	224.1	223.4	217.6	216.9	217.6	218.3
67.5°	248.1	223.4	209.6	201.6	196.5	193.6	191.4	187.7	190.7	188.5	189.9
70°	206.7	189.9	175.4	167.4	165.2	165.9	162.3	160.8	161.6	160.1	161.6
72.5°	166.6	152.8	147.0	141.2	138.3	137.5	135.4	133.2	135.4	134.6	134.6
75°	133.2	123.0	116.4	112.8	112.8	111.3	107.7	107.7	107.7	107.0	107.7
77.5°	102.6	93.9	91.0	87.3	87.3	85.1	84.4	84.4	83.0	85.1	83.7
80°	76.4	69.9	65.5	63.3	63.3	62.6	61.1	60.4	61.1	60.4	60.4
82.5°	49.5	46.6	44.4	42.2	41.5	42.2	41.5	40.0	40.8	40.0	41.5
85°	28.4	25.5	25.5	24.0	24.7	23.3	24.0	22.6	21.8	24.0	22.6
87.5°	12.4	11.6	11.6	10.2	10.2	10.2	9.5	10.2	9.5	8.7	9.5
90°	5.9	6.3	6.6	7.0	7.2	7.3	7.5	7.8	8.0	8.2	8.0
92.5°	5.9	6.3	6.6	7.0	7.2	7.2	7.3	7.4	7.4	7.5	7.4
95°	5.9	6.3	6.6	7.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	6.3	6.5	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.2	7.1
100°	48.2	36.9	25.6	14.3	8.6	8.4	8.1	7.8	7.5	7.2	7.5
102.5°	80.2	80.3	80.5	80.6	80.7	77.5	71.1	64.8	58.4	52.0	58.4
105°	101.9	101.9	101.9	101.9	101.9	101.9	101.8	101.7	101.7	101.6	101.7
107.5°	124.6	124.6	124.7	124.8	124.8	124.7	124.4	124.1	123.8	123.5	123.8
110°	146.9	146.6	146.4	146.1	146.0	146.0	146.1	146.2	146.3	146.4	146.3

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	168.7	168.4	168.1	167.8	167.6	167.5	167.4	167.2	167.1	166.9	167.1
115°	190.6	190.3	190.0	189.7	189.5	189.3	188.8	188.3	187.9	187.4	187.9
117.5°	211.9	211.5	211.0	210.5	210.3	210.2	210.1	210.0	209.8	209.7	209.8
120°	232.1	231.9	231.8	231.7	231.6	231.4	231.0	230.6	230.2	229.8	230.2
122.5°	251.5	251.4	251.2	251.1	251.0	250.8	250.3	249.9	249.4	249.0	249.4
125°	270.6	270.3	270.0	269.7	269.5	269.4	269.2	268.9	268.7	268.5	268.7
127.5°	287.8	287.7	287.5	287.4	287.3	287.0	286.4	285.8	285.2	284.6	285.2
130°	304.9	304.7	304.4	304.2	304.1	303.9	303.5	303.2	302.8	302.4	302.8
132.5°	320.5	320.5	320.5	320.5	320.5	320.3	319.9	319.6	319.2	318.8	319.2
135°	336.0	335.9	335.7	335.6	335.5	335.3	334.8	334.4	333.9	333.5	333.9
137.5°	350.6	350.6	350.6	350.6	350.6	350.4	350.0	349.7	349.3	348.9	349.3
140°	363.8	363.9	364.1	364.2	364.3	364.1	363.6	363.1	362.7	362.2	362.7
142.5°	376.9	376.9	376.9	376.9	376.9	376.7	376.2	375.8	375.3	374.9	375.3
145°	389.0	389.0	389.1	389.2	389.2	389.0	388.5	388.1	387.6	387.2	387.6
147.5°	399.6	399.6	399.7	399.8	399.8	399.5	399.0	398.5	397.9	397.4	397.9
150°	409.6	409.7	409.9	410.0	410.1	409.8	409.2	408.6	408.0	407.4	408.0
152.5°	418.5	418.6	418.8	418.9	419.0	418.7	418.2	417.7	417.1	416.6	417.1
155°	426.4	426.6	426.9	427.1	427.2	426.9	426.3	425.7	425.1	424.5	425.1
157.5°	433.2	433.4	433.7	433.9	434.0	433.7	433.1	432.5	431.9	431.3	431.9
160°	439.5	439.8	440.1	440.4	440.5	440.2	439.6	439.0	438.4	437.8	438.4
162.5°	445.1	445.5	446.0	446.5	446.7	446.4	445.7	445.0	444.3	443.6	444.3
165°	449.9	450.3	450.8	451.3	451.5	451.2	450.6	449.9	449.3	448.7	449.3
167.5°	453.7	454.3	454.8	455.3	455.6	455.3	454.6	453.9	453.2	452.5	453.2
170°	456.5	457.1	457.8	458.4	458.7	458.4	457.7	457.0	456.3	455.6	456.3
172.5°	458.8	459.4	459.9	460.4	460.7	460.4	459.7	459.0	458.3	457.6	458.3
175°	460.3	460.9	461.5	462.1	462.4	462.1	461.4	460.7	460.0	459.3	460.0
177.5°	461.2	461.8	462.3	462.8	463.1	462.8	462.2	461.6	461.0	460.4	461.0
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	917.6	912.5	914.0	912.5	908.9	906.7	900.9	893.6	890.7	887.1	884.9
5°	991.1	987.5	986.8	980.9	979.5	970.8	956.2	948.9	940.2	931.5	922.7
7.5°	1071.2	1066.8	1052.3	1050.1	1051.5	1040.6	1021.7	1007.1	989.0	976.6	959.8
10°	1137.4	1128.7	1116.3	1117.0	1111.9	1097.4	1078.5	1063.2	1037.0	1021.0	997.0
12.5°	1177.4	1170.2	1168.7	1161.4	1157.1	1138.1	1115.6	1095.9	1076.3	1054.4	1036.3
15°	1226.2	1216.7	1210.2	1200.0	1197.1	1177.4	1152.7	1130.1	1107.6	1087.2	1048.6
17.5°	1280.0	1269.8	1245.1	1242.9	1225.5	1206.5	1182.5	1149.0	1125.0	1095.9	1067.5
20°	1341.2	1326.6	1294.6	1286.6	1272.8	1241.5	1208.7	1171.6	1133.0	1103.2	1069.7
22.5°	1409.6	1384.1	1360.8	1335.3	1325.2	1286.6	1241.5	1196.3	1149.8	1109.0	1069.0
25°	1498.3	1464.9	1432.1	1406.7	1389.2	1339.0	1278.6	1218.9	1165.1	1111.9	1059.5
27.5°	1568.2	1539.1	1503.4	1470.0	1447.4	1387.7	1318.6	1241.5	1174.5	1109.8	1053.7
30°	1573.3	1564.6	1542.7	1524.5	1499.8	1435.8	1359.4	1272.0	1189.1	1110.5	1042.1
32.5°	1478.0	1495.4	1504.9	1507.8	1502.7	1465.6	1395.7	1299.7	1202.2	1103.9	1031.9
35°	1272.8	1319.3	1376.8	1398.7	1419.8	1439.4	1403.0	1319.3	1206.5	1102.5	1015.9
37.5°	1047.9	1090.1	1185.4	1229.1	1253.8	1331.7	1361.5	1316.4	1215.3	1103.9	1000.6
40°	845.6	912.5	980.9	1039.9	1078.5	1165.8	1258.2	1268.4	1202.9	1090.1	980.9
42.5°	711.7	751.0	802.7	857.2	891.4	994.8	1119.9	1193.4	1164.3	1067.5	956.9
45°	606.2	635.3	684.0	702.2	745.9	844.9	977.3	1083.6	1098.1	1031.9	929.3
47.5°	520.3	545.1	576.3	598.9	633.8	708.1	820.1	937.3	1007.1	983.1	890.7
50°	458.5	478.8	505.0	518.1	540.7	607.6	692.0	808.5	902.4	910.4	840.5
52.5°	406.8	418.4	438.8	453.4	471.6	512.3	588.7	684.8	790.3	834.0	778.6
55°	361.7	371.1	389.3	398.8	408.2	443.2	502.8	590.2	689.1	746.6	715.3
57.5°	320.9	328.9	344.2	352.9	358.0	391.5	437.4	505.8	594.5	664.4	646.9
60°	287.4	294.7	303.5	310.0	315.8	343.5	375.5	430.8	510.1	577.8	573.4
62.5°	251.8	258.3	267.8	274.3	279.4	296.9	323.8	366.0	433.7	496.3	508.7
65°	220.5	225.6	232.1	235.0	241.6	254.7	276.5	314.4	369.7	425.7	434.4
67.5°	192.1	193.6	197.9	204.5	205.9	217.6	237.2	265.6	308.5	354.4	368.2
70°	161.6	163.7	167.4	172.5	175.4	182.7	199.4	218.3	255.4	295.4	305.6
72.5°	134.6	137.5	139.0	141.9	143.4	155.0	162.3	181.2	206.7	240.1	251.1
75°	109.2	112.1	112.8	114.2	115.7	120.8	131.0	142.6	163.7	185.6	200.1
77.5°	86.6	85.9	87.3	89.5	88.8	93.1	99.7	109.9	123.7	141.9	151.4
80°	61.1	61.1	63.3	65.5	64.8	69.1	71.3	78.6	90.2	101.9	105.5
82.5°	40.8	40.8	42.9	42.9	44.4	45.1	48.0	51.7	61.1	66.9	69.1
85°	23.3	23.3	24.0	24.0	24.0	25.5	27.7	29.1	32.0	35.7	37.1
87.5°	9.5	10.2	10.2	10.2	10.2	11.6	11.6	13.1	13.8	15.3	15.3
90°	7.8	7.5	7.3	7.2	7.0	6.6	6.3	5.9	5.5	5.0	4.4
92.5°	7.4	7.3	7.2	7.2	7.0	6.6	6.3	5.9	5.5	5.0	4.6
95°	7.2	7.2	7.2	7.2	7.0	6.6	6.3	5.9	5.5	8.4	11.3
97.5°	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.3	6.2	13.4	20.6
100°	7.8	8.1	8.4	8.6	14.3	25.6	36.9	48.2	59.5	59.2	58.9
102.5°	64.8	71.1	77.5	80.7	80.6	80.5	80.3	80.2	80.0	79.9	79.7
105°	101.7	101.8	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
107.5°	124.1	124.4	124.7	124.8	124.8	124.7	124.6	124.6	124.5	124.3	124.2
110°	146.2	146.1	146.0	146.0	146.1	146.4	146.6	146.9	147.1	146.9	146.8



TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	167.2	167.4	167.5	167.6	167.8	168.1	168.4	168.7	169.0	168.9	168.8
115°	188.3	188.8	189.3	189.5	189.7	190.0	190.3	190.6	190.9	190.8	190.7
117.5°	210.0	210.1	210.2	210.3	210.5	211.0	211.5	211.9	212.4	212.1	211.8
120°	230.6	231.0	231.4	231.6	231.7	231.8	231.9	232.1	232.2	232.0	231.8
122.5°	249.9	250.3	250.8	251.0	251.1	251.2	251.4	251.5	251.7	251.6	251.6
125°	268.9	269.2	269.4	269.5	269.7	270.0	270.3	270.6	270.9	270.9	270.9
127.5°	285.8	286.4	287.0	287.3	287.4	287.5	287.7	287.8	288.0	288.1	288.1
130°	303.2	303.5	303.9	304.1	304.2	304.4	304.7	304.9	305.1	305.0	304.9
132.5°	319.6	319.9	320.3	320.5	320.5	320.5	320.5	320.5	320.5	320.7	320.9
135°	334.4	334.8	335.3	335.5	335.6	335.7	335.9	336.0	336.2	336.4	336.5
137.5°	349.7	350.0	350.4	350.6	350.6	350.6	350.6	350.6	350.6	350.8	350.9
140°	363.1	363.6	364.1	364.3	364.2	364.1	363.9	363.8	363.6	363.7	363.7
142.5°	375.8	376.2	376.7	376.9	376.9	376.9	376.9	376.9	376.9	376.7	376.6
145°	388.1	388.5	389.0	389.2	389.2	389.1	389.0	389.0	388.9	388.9	388.9
147.5°	398.5	399.0	399.5	399.8	399.8	399.7	399.6	399.6	399.5	399.4	399.3
150°	408.6	409.2	409.8	410.1	410.0	409.9	409.7	409.6	409.4	409.2	409.1
152.5°	417.7	418.2	418.7	419.0	418.9	418.8	418.6	418.5	418.3	418.1	418.0
155°	425.7	426.3	426.9	427.2	427.1	426.9	426.6	426.4	426.2	426.0	425.9
157.5°	432.5	433.1	433.7	434.0	433.9	433.7	433.4	433.2	433.0	433.0	433.0
160°	439.0	439.6	440.2	440.5	440.4	440.1	439.8	439.5	439.2	439.1	439.0
162.5°	445.0	445.7	446.4	446.7	446.5	446.0	445.5	445.1	444.6	444.5	444.5
165°	449.9	450.6	451.2	451.5	451.3	450.8	450.3	449.9	449.4	449.3	449.3
167.5°	453.9	454.6	455.3	455.6	455.3	454.8	454.3	453.7	453.2	453.1	453.0
170°	457.0	457.7	458.4	458.7	458.4	457.8	457.1	456.5	455.9	455.8	455.8
172.5°	459.0	459.7	460.4	460.7	460.4	459.9	459.4	458.8	458.3	458.1	458.0
175°	460.7	461.4	462.1	462.4	462.1	461.5	460.9	460.3	459.7	459.6	459.5
177.5°	461.6	462.2	462.8	463.1	462.8	462.3	461.8	461.2	460.7	460.6	460.6
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	882.0	878.3	874.0	874.0	868.9	866.7	862.3	860.9	857.2	851.4	847.0
5°	913.3	903.8	898.0	892.9	882.0	874.0	866.0	857.2	848.5	838.3	826.7
7.5°	943.8	926.4	918.4	909.6	893.6	876.9	860.9	849.2	837.6	821.6	807.0
10°	975.9	954.0	939.5	927.8	903.1	882.0	858.7	842.0	823.8	803.4	784.5
12.5°	1002.8	974.4	962.0	940.2	911.8	886.3	857.2	831.8	807.8	783.7	760.5
15°	1025.3	998.4	967.8	959.1	919.8	883.4	850.7	817.9	788.1	764.1	737.2
17.5°	1032.6	998.4	983.1	962.0	915.5	877.6	836.1	800.5	772.1	736.4	715.3
20°	1034.8	1002.1	980.9	961.3	919.8	869.6	828.9	785.2	751.0	715.3	681.9
22.5°	1029.0	990.4	970.0	951.1	904.5	861.6	814.3	766.3	726.3	693.5	660.0
25°	1018.1	972.9	953.3	932.9	888.5	841.2	789.6	743.7	706.6	667.3	634.6
27.5°	1003.5	951.8	929.3	908.2	864.5	820.1	771.4	724.1	682.6	641.1	610.5
30°	985.3	925.6	905.3	877.6	835.4	793.2	748.8	701.5	654.9	615.6	582.2
32.5°	962.0	899.4	872.5	846.3	800.5	761.9	719.7	675.3	630.2	591.6	556.7
35°	940.9	869.6	839.8	813.6	762.6	721.9	687.0	645.5	605.5	565.4	534.1
37.5°	912.5	839.8	804.1	777.2	725.5	684.0	651.3	619.3	577.1	538.5	509.4
40°	882.7	802.7	769.2	742.3	688.4	643.3	612.0	583.6	549.4	513.8	483.2
42.5°	855.8	767.0	731.3	698.6	644.0	604.0	572.0	550.1	518.9	486.8	459.2
45°	821.6	729.2	690.6	656.4	604.0	560.3	529.8	512.3	489.0	457.7	433.7
47.5°	786.6	688.4	648.4	614.9	558.2	519.6	489.7	473.0	457.0	432.3	408.2
50°	740.8	645.5	609.1	570.5	514.5	475.2	450.4	433.7	421.3	403.9	383.5
52.5°	690.6	601.1	561.8	528.3	473.0	437.4	409.0	399.5	387.1	374.0	356.6
55°	637.5	553.1	515.2	482.5	431.5	395.1	371.9	361.7	352.2	342.0	330.4
57.5°	584.3	502.8	467.2	438.1	390.8	355.8	336.9	323.1	316.6	310.7	301.3
60°	518.1	449.0	421.3	395.1	348.6	316.6	298.4	288.2	282.3	279.4	275.1
62.5°	459.9	403.1	372.6	347.1	310.0	281.6	264.2	256.2	251.1	249.6	244.5
65°	398.1	349.3	325.3	303.5	271.4	246.0	231.4	222.0	218.3	217.6	217.6
67.5°	339.8	300.5	276.5	261.2	233.6	211.0	197.2	193.6	191.4	188.5	187.7
70°	285.3	254.0	232.9	219.8	195.0	178.3	167.4	161.6	161.6	159.4	157.9
72.5°	237.2	205.9	192.1	181.2	160.8	146.3	138.3	136.8	131.7	131.0	131.0
75°	185.6	162.3	152.8	143.4	128.1	117.9	111.3	107.7	104.8	104.8	105.5
77.5°	139.7	123.7	115.0	107.7	96.8	90.2	85.1	83.7	80.8	80.8	80.8
80°	99.0	90.2	83.7	77.9	69.9	64.0	61.1	58.2	58.2	57.5	58.2
82.5°	64.0	56.8	53.1	52.4	45.1	42.9	39.3	40.0	37.8	37.1	38.6
85°	37.1	33.5	29.1	27.7	24.7	21.8	20.4	21.1	20.4	19.6	20.4
87.5°	14.6	12.4	11.6	11.6	9.5	8.7	8.0	8.7	7.3	7.3	8.0
90°	3.9	3.4	3.1	2.8	2.2	1.5	0.9	0.3	0.9	1.5	2.2
92.5°	4.1	3.6	3.4	3.7	4.4	5.1	5.8	6.5	5.8	5.1	4.4
95°	14.2	17.1	18.5	18.6	18.8	19.1	19.3	19.5	19.3	19.1	18.8
97.5°	27.8	35.0	38.6	38.4	37.9	37.5	37.0	36.6	37.0	37.5	37.9
100°	58.6	58.3	58.1	58.0	57.8	57.5	57.3	57.1	57.3	57.5	57.8
102.5°	79.6	79.5	79.4	79.2	78.9	78.6	78.3	78.0	78.3	78.6	78.9
105°	101.9	101.9	101.9	101.8	101.5	101.2	100.9	100.6	100.9	101.2	101.5
107.5°	124.0	123.9	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8
110°	146.6	146.5	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	168.7	168.6	168.6	168.5	168.3	168.0	167.8	167.6	167.8	168.0	168.3
115°	190.6	190.5	190.5	190.3	189.9	189.6	189.2	188.8	189.2	189.6	189.9
117.5°	211.5	211.2	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0
120°	231.5	231.3	231.2	231.2	231.3	231.4	231.5	231.6	231.5	231.4	231.3
122.5°	251.5	251.4	251.4	251.2	250.8	250.5	250.1	249.7	250.1	250.5	250.8
125°	270.9	270.9	270.9	270.6	270.1	269.6	269.0	268.5	269.0	269.6	270.1
127.5°	288.2	288.3	288.3	288.1	287.7	287.4	287.0	286.6	287.0	287.4	287.7
130°	304.8	304.7	304.7	304.5	304.1	303.8	303.4	303.0	303.4	303.8	304.1
132.5°	321.2	321.4	321.5	321.3	320.8	320.4	319.9	319.5	319.9	320.4	320.8
135°	336.7	336.8	336.9	336.7	336.2	335.7	335.3	334.8	335.3	335.7	336.2
137.5°	351.1	351.2	351.3	351.1	350.6	350.1	349.7	349.2	349.7	350.1	350.6
140°	363.8	363.9	363.9	363.8	363.7	363.5	363.4	363.2	363.4	363.5	363.7
142.5°	376.4	376.3	376.2	376.2	376.1	376.0	376.0	375.9	376.0	376.0	376.1
145°	388.9	388.9	388.9	388.8	388.7	388.5	388.4	388.2	388.4	388.5	388.7
147.5°	399.2	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1
150°	408.9	408.8	408.7	408.8	408.9	409.1	409.2	409.4	409.2	409.1	408.9
152.5°	417.8	417.7	417.6	417.8	418.2	418.5	418.9	419.3	418.9	418.5	418.2
155°	425.7	425.6	425.5	425.7	426.2	426.6	427.1	427.5	427.1	426.6	426.2
157.5°	433.0	433.0	433.0	433.1	433.3	433.6	433.8	434.0	433.8	433.6	433.3
160°	438.9	438.8	438.8	439.0	439.5	440.0	440.4	440.9	440.4	440.0	439.5
162.5°	444.4	444.3	444.3	444.5	445.0	445.4	445.9	446.3	445.9	445.4	445.0
165°	449.2	449.1	449.1	449.3	449.8	450.2	450.7	451.1	450.7	450.2	449.8
167.5°	452.9	452.8	452.8	453.0	453.5	454.0	454.4	454.9	454.4	454.0	453.5
170°	455.7	455.6	455.6	455.9	456.4	456.9	457.5	458.0	457.5	456.9	456.4
172.5°	457.8	457.7	457.6	457.9	458.4	458.9	459.5	460.0	459.5	458.9	458.4
175°	459.4	459.3	459.3	459.5	460.0	460.5	460.9	461.4	460.9	460.5	460.0
177.5°	460.5	460.4	460.4	460.6	461.1	461.5	462.0	462.4	462.0	461.5	461.1
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	845.6	844.1	840.5	838.3	831.0	822.3	819.4	812.1	815.0	809.9	809.9
5°	823.0	816.5	812.1	805.6	791.7	782.3	772.1	767.0	764.1	760.5	757.5
7.5°	793.9	788.8	784.5	772.1	756.8	743.7	731.3	726.3	716.8	710.2	707.3
10°	768.5	761.2	751.0	736.4	720.4	703.7	692.8	681.9	674.6	670.9	662.9
12.5°	742.3	733.5	722.6	701.5	684.0	673.9	654.2	644.0	640.4	637.5	628.0
15°	715.3	705.9	692.8	673.1	657.8	633.8	622.2	614.2	605.5	604.7	597.4
17.5°	691.3	679.7	668.8	644.7	625.8	604.7	598.2	589.4	581.4	572.7	569.1
20°	660.8	649.8	641.8	615.6	594.5	581.4	570.5	563.2	558.2	549.4	548.0
22.5°	633.1	621.5	610.5	590.9	572.7	556.0	542.9	534.9	532.7	529.0	522.5
25°	606.2	594.5	581.4	563.2	544.3	532.7	521.0	515.9	511.6	505.8	500.7
27.5°	583.6	572.7	560.3	537.8	521.8	513.0	500.7	494.8	489.0	486.1	483.9
30°	556.7	544.3	534.9	517.4	499.9	488.3	479.6	474.5	469.4	466.5	465.0
32.5°	530.5	518.9	512.3	493.4	479.6	465.7	459.2	455.5	452.6	449.7	446.8
35°	509.4	497.8	487.6	470.1	456.3	446.8	441.7	435.9	433.7	430.8	430.8
37.5°	483.2	474.5	464.3	447.5	435.2	427.9	423.5	416.2	415.5	414.1	411.9
40°	460.6	451.9	442.4	427.9	417.0	408.2	402.4	398.8	396.6	395.1	393.7
42.5°	436.6	427.2	422.8	406.1	396.6	387.9	385.0	381.3	380.6	377.7	374.0
45°	413.3	405.3	396.6	384.2	376.2	368.9	364.6	361.7	358.0	357.3	355.1
47.5°	393.0	383.5	375.5	363.9	355.1	349.3	345.7	342.0	339.1	336.9	334.7
50°	366.8	359.5	352.9	340.6	333.3	327.5	322.4	319.5	316.6	316.6	316.6
52.5°	341.3	334.7	328.9	320.2	311.5	306.4	300.5	298.4	296.9	294.7	296.9
55°	316.6	310.0	304.2	297.6	287.4	283.1	277.3	275.1	275.8	275.8	278.0
57.5°	290.4	285.3	281.6	273.6	264.2	259.8	256.2	254.0	254.0	256.9	257.6
60°	264.9	259.8	253.2	246.0	240.1	235.0	232.9	233.6	233.6	235.0	238.7
62.5°	236.5	233.6	230.0	219.8	216.1	212.5	209.6	211.8	211.0	214.7	219.8
65°	210.3	207.4	202.3	197.2	192.8	189.2	188.5	189.2	190.7	194.3	200.1
67.5°	181.2	181.2	176.8	172.5	168.8	165.2	165.9	166.6	168.1	172.5	181.2
70°	157.2	154.3	149.9	147.0	144.1	142.6	141.2	144.1	148.5	151.4	157.9
72.5°	131.0	128.8	125.2	122.3	121.5	120.1	119.3	120.8	125.2	130.3	137.5
75°	103.3	104.1	101.9	99.7	99.7	97.5	99.0	99.0	103.3	108.4	114.2
77.5°	80.0	79.3	78.6	77.1	76.4	76.4	76.4	77.9	82.2	85.1	91.0
80°	56.8	57.5	55.3	56.0	55.3	56.0	56.0	58.9	61.1	64.8	69.1
82.5°	37.8	37.8	36.4	37.1	37.1	37.1	37.8	39.3	42.2	45.1	48.0
85°	21.1	21.8	20.4	21.8	21.8	21.8	22.6	23.3	25.5	26.2	29.1
87.5°	8.0	9.5	9.5	8.0	8.7	9.5	10.2	9.5	10.9	12.4	13.1
90°	2.8	3.1	3.4	3.9	4.4	5.0	5.5	5.9	6.3	6.6	7.0
92.5°	3.7	3.4	3.6	4.1	4.6	5.0	5.5	5.9	6.3	6.6	7.0
95°	18.6	18.5	17.1	14.2	11.3	8.4	5.5	5.9	6.3	6.6	7.0
97.5°	38.4	38.6	35.0	27.8	20.6	13.4	6.2	6.3	6.5	6.6	6.7
100°	58.0	58.1	58.3	58.6	58.9	59.2	59.5	48.2	36.9	25.6	14.3
102.5°	79.2	79.4	79.5	79.6	79.7	79.9	80.0	80.2	80.3	80.5	80.6
105°	101.8	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
107.5°	123.8	123.8	123.9	124.0	124.2	124.3	124.5	124.6	124.6	124.7	124.8
110°	146.4	146.4	146.5	146.6	146.8	146.9	147.1	146.9	146.6	146.4	146.1

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.5	168.6	168.6	168.7	168.8	168.9	169.0	168.7	168.4	168.1	167.8
115°	190.3	190.5	190.5	190.6	190.7	190.8	190.9	190.6	190.3	190.0	189.7
117.5°	211.0	211.0	211.2	211.5	211.8	212.1	212.4	211.9	211.5	211.0	210.5
120°	231.2	231.2	231.3	231.5	231.8	232.0	232.2	232.1	231.9	231.8	231.7
122.5°	251.2	251.4	251.4	251.5	251.6	251.6	251.7	251.5	251.4	251.2	251.1
125°	270.6	270.9	270.9	270.9	270.9	270.9	270.9	270.6	270.3	270.0	269.7
127.5°	288.1	288.3	288.3	288.2	288.1	288.1	288.0	287.8	287.7	287.5	287.4
130°	304.5	304.7	304.7	304.8	304.9	305.0	305.1	304.9	304.7	304.4	304.2
132.5°	321.3	321.5	321.4	321.2	320.9	320.7	320.5	320.5	320.5	320.5	320.5
135°	336.7	336.9	336.8	336.7	336.5	336.4	336.2	336.0	335.9	335.7	335.6
137.5°	351.1	351.3	351.2	351.1	350.9	350.8	350.6	350.6	350.6	350.6	350.6
140°	363.8	363.9	363.9	363.8	363.7	363.7	363.6	363.8	363.9	364.1	364.2
142.5°	376.2	376.2	376.3	376.4	376.6	376.7	376.9	376.9	376.9	376.9	376.9
145°	388.8	388.9	388.9	388.9	388.9	388.9	388.9	389.0	389.0	389.1	389.2
147.5°	399.1	399.1	399.1	399.2	399.3	399.4	399.5	399.6	399.6	399.7	399.8
150°	408.8	408.7	408.8	408.9	409.1	409.2	409.4	409.6	409.7	409.9	410.0
152.5°	417.8	417.6	417.7	417.8	418.0	418.1	418.3	418.5	418.6	418.8	418.9
155°	425.7	425.5	425.6	425.7	425.9	426.0	426.2	426.4	426.6	426.9	427.1
157.5°	433.1	433.0	433.0	433.0	433.0	433.0	433.0	433.2	433.4	433.7	433.9
160°	439.0	438.8	438.8	438.9	439.0	439.1	439.2	439.5	439.8	440.1	440.4
162.5°	444.5	444.3	444.3	444.4	444.5	444.5	444.6	445.1	445.5	446.0	446.5
165°	449.3	449.1	449.1	449.2	449.3	449.3	449.4	449.9	450.3	450.8	451.3
167.5°	453.0	452.8	452.8	452.9	453.0	453.1	453.2	453.7	454.3	454.8	455.3
170°	455.9	455.6	455.6	455.7	455.8	455.8	455.9	456.5	457.1	457.8	458.4
172.5°	457.9	457.6	457.7	457.8	458.0	458.1	458.3	458.8	459.4	459.9	460.4
175°	459.5	459.3	459.3	459.4	459.5	459.6	459.7	460.3	460.9	461.5	462.1
177.5°	460.6	460.4	460.4	460.5	460.6	460.6	460.7	461.2	461.8	462.3	462.8
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	812.8	807.8	807.0	808.5	805.6	809.9	808.5	809.9	806.3	809.9	807.8
5°	756.8	755.4	752.4	748.8	749.5	750.3	753.9	750.3	753.2	753.9	757.5
7.5°	704.4	701.5	703.7	702.2	695.7	694.2	695.7	697.9	702.2	705.1	707.3
10°	662.2	660.8	657.8	655.7	652.0	649.8	652.8	649.8	655.7	660.8	660.8
12.5°	630.2	624.4	620.7	620.0	612.0	613.5	616.4	618.5	625.1	628.0	628.0
15°	596.7	592.4	590.9	588.0	585.1	588.0	586.5	588.7	591.6	594.5	596.0
17.5°	567.6	566.9	567.6	560.3	562.5	558.9	559.6	563.2	561.1	563.2	567.6
20°	541.4	542.9	540.7	537.8	537.8	533.4	538.5	537.0	537.8	542.1	548.7
22.5°	521.8	521.0	518.9	516.7	513.8	514.5	515.2	513.8	519.6	523.2	523.9
25°	500.7	499.2	498.5	496.3	493.4	496.3	495.6	496.3	497.8	503.6	499.2
27.5°	481.0	478.1	479.6	477.4	476.6	477.4	477.4	478.1	479.6	480.3	481.0
30°	464.3	461.4	460.6	459.2	458.5	459.2	460.6	459.2	465.0	464.3	464.3
32.5°	446.1	443.9	442.4	442.4	441.7	441.0	441.7	442.4	446.8	443.9	446.8
35°	428.6	427.2	427.2	425.7	425.0	425.0	425.0	427.9	426.4	428.6	428.6
37.5°	411.9	411.9	411.2	409.7	409.0	409.7	409.0	410.4	409.7	410.4	411.2
40°	394.4	393.0	392.2	392.2	390.1	387.9	390.1	390.1	390.8	393.0	393.7
42.5°	373.3	374.0	374.0	371.1	371.1	371.1	371.9	372.6	372.6	374.0	374.0
45°	355.1	353.7	353.7	353.7	352.2	352.9	354.4	354.4	354.4	354.4	352.9
47.5°	334.7	334.7	335.5	335.5	337.7	336.9	336.9	336.2	334.7	334.7	335.5
50°	315.8	318.0	318.7	318.7	319.5	320.2	320.2	318.7	318.0	315.8	315.8
52.5°	297.6	299.1	300.5	302.7	304.2	303.5	303.5	302.0	299.1	298.4	297.6
55°	278.0	280.2	283.1	285.3	287.4	288.2	288.2	285.3	282.3	278.7	278.7
57.5°	259.8	262.0	267.1	269.3	272.2	272.2	270.7	268.5	264.2	261.2	259.1
60°	241.6	245.2	248.9	253.2	256.9	257.6	255.4	252.5	247.4	243.8	240.9
62.5°	222.0	225.6	232.9	237.2	240.1	240.1	240.1	236.5	230.0	224.9	220.5
65°	203.0	206.7	213.2	219.0	221.2	223.4	221.2	217.6	212.5	206.7	202.3
67.5°	183.4	187.7	194.3	198.7	201.6	203.8	202.3	199.4	192.8	184.8	181.9
70°	161.6	163.7	173.2	177.6	181.9	183.4	181.9	177.6	171.0	162.3	159.4
72.5°	141.2	143.4	152.1	155.7	159.4	160.8	158.6	155.7	149.9	141.9	138.3
75°	117.9	121.5	125.9	131.7	136.1	137.5	135.4	133.2	125.9	120.8	117.9
77.5°	93.1	96.8	102.6	107.7	112.1	111.3	108.4	109.2	101.2	95.3	93.1
80°	70.6	73.5	77.9	82.2	84.4	84.4	83.7	80.8	77.9	73.5	69.9
82.5°	48.8	52.4	56.0	58.9	58.9	59.7	58.2	57.5	54.6	50.9	50.2
85°	29.1	29.8	32.7	32.7	35.7	34.2	33.5	35.7	32.7	30.6	29.8
87.5°	13.1	12.4	13.1	13.1	12.4	13.8	13.8	13.1	13.8	13.1	13.1
90°	7.2	7.3	7.5	7.8	8.0	8.2	8.0	7.8	7.5	7.3	7.2
92.5°	7.2	7.2	7.3	7.4	7.4	7.5	7.4	7.4	7.3	7.2	7.2
95°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	6.8	6.8	6.9	7.0	7.1	7.2	7.1	7.0	6.9	6.8	6.8
100°	8.6	8.4	8.1	7.8	7.5	7.2	7.5	7.8	8.1	8.4	8.6
102.5°	80.7	77.5	71.1	64.8	58.4	52.0	58.4	64.8	71.1	77.5	80.7
105°	101.9	101.9	101.8	101.7	101.7	101.6	101.7	101.7	101.8	101.9	101.9
107.5°	124.8	124.7	124.4	124.1	123.8	123.5	123.8	124.1	124.4	124.7	124.8
110°	146.0	146.0	146.1	146.2	146.3	146.4	146.3	146.2	146.1	146.0	146.0

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	167.6	167.5	167.4	167.2	167.1	166.9	167.1	167.2	167.4	167.5	167.6
115°	189.5	189.3	188.8	188.3	187.9	187.4	187.9	188.3	188.8	189.3	189.5
117.5°	210.3	210.2	210.1	210.0	209.8	209.7	209.8	210.0	210.1	210.2	210.3
120°	231.6	231.4	231.0	230.6	230.2	229.8	230.2	230.6	231.0	231.4	231.6
122.5°	251.0	250.8	250.3	249.9	249.4	249.0	249.4	249.9	250.3	250.8	251.0
125°	269.5	269.4	269.2	268.9	268.7	268.5	268.7	268.9	269.2	269.4	269.5
127.5°	287.3	287.0	286.4	285.8	285.2	284.6	285.2	285.8	286.4	287.0	287.3
130°	304.1	303.9	303.5	303.2	302.8	302.4	302.8	303.2	303.5	303.9	304.1
132.5°	320.5	320.3	319.9	319.6	319.2	318.8	319.2	319.6	319.9	320.3	320.5
135°	335.5	335.3	334.8	334.4	333.9	333.5	333.9	334.4	334.8	335.3	335.5
137.5°	350.6	350.4	350.0	349.7	349.3	348.9	349.3	349.7	350.0	350.4	350.6
140°	364.3	364.1	363.6	363.1	362.7	362.2	362.7	363.1	363.6	364.1	364.3
142.5°	376.9	376.7	376.2	375.8	375.3	374.9	375.3	375.8	376.2	376.7	376.9
145°	389.2	389.0	388.5	388.1	387.6	387.2	387.6	388.1	388.5	389.0	389.2
147.5°	399.8	399.5	399.0	398.5	397.9	397.4	397.9	398.5	399.0	399.5	399.8
150°	410.1	409.8	409.2	408.6	408.0	407.4	408.0	408.6	409.2	409.8	410.1
152.5°	419.0	418.7	418.2	417.7	417.1	416.6	417.1	417.7	418.2	418.7	419.0
155°	427.2	426.9	426.3	425.7	425.1	424.5	425.1	425.7	426.3	426.9	427.2
157.5°	434.0	433.7	433.1	432.5	431.9	431.3	431.9	432.5	433.1	433.7	434.0
160°	440.5	440.2	439.6	439.0	438.4	437.8	438.4	439.0	439.6	440.2	440.5
162.5°	446.7	446.4	445.7	445.0	444.3	443.6	444.3	445.0	445.7	446.4	446.7
165°	451.5	451.2	450.6	449.9	449.3	448.7	449.3	449.9	450.6	451.2	451.5
167.5°	455.6	455.3	454.6	453.9	453.2	452.5	453.2	453.9	454.6	455.3	455.6
170°	458.7	458.4	457.7	457.0	456.3	455.6	456.3	457.0	457.7	458.4	458.7
172.5°	460.7	460.4	459.7	459.0	458.3	457.6	458.3	459.0	459.7	460.4	460.7
175°	462.4	462.1	461.4	460.7	460.0	459.3	460.0	460.7	461.4	462.1	462.4
177.5°	463.1	462.8	462.2	461.6	461.0	460.4	461.0	461.6	462.2	462.8	463.1
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	814.3	809.9	815.0	808.5	809.9	817.9	817.2	824.5	828.9	828.1	831.8
5°	760.5	760.5	762.6	761.9	769.2	775.7	784.5	791.7	799.7	804.1	809.2
7.5°	707.3	714.6	716.1	719.7	728.4	739.3	748.1	759.0	770.6	778.6	784.5
10°	663.7	669.5	675.3	678.2	687.7	702.2	714.6	732.1	746.6	755.4	763.4
12.5°	625.1	631.6	634.6	647.7	654.2	663.7	681.1	700.1	716.1	725.5	732.1
15°	597.4	601.1	607.6	615.6	622.2	633.8	648.4	669.5	684.8	692.8	715.3
17.5°	574.2	578.5	582.2	585.8	596.0	608.4	622.2	640.4	660.0	673.9	685.5
20°	550.1	552.3	556.7	562.5	569.8	581.4	593.8	612.7	630.2	641.1	656.4
22.5°	521.8	528.3	532.7	537.0	545.1	558.2	569.8	583.6	605.5	617.8	633.8
25°	505.0	507.9	510.8	515.9	521.8	533.4	546.5	561.1	578.5	591.6	605.5
27.5°	483.2	487.6	491.2	497.8	501.4	510.8	523.2	537.8	558.9	569.8	581.4
30°	465.0	469.4	472.3	475.2	480.3	490.5	502.1	513.8	533.4	547.2	558.9
32.5°	446.8	451.2	454.8	457.0	462.1	468.6	478.1	492.7	509.4	518.9	534.1
35°	430.8	430.8	435.2	438.1	442.4	448.3	457.0	467.9	485.4	497.8	511.6
37.5°	412.6	413.3	417.0	419.2	423.5	429.3	438.1	448.3	462.8	472.3	486.1
40°	393.7	395.9	397.3	401.0	406.1	408.2	417.0	428.6	443.2	451.9	463.5
42.5°	374.8	376.2	379.9	382.8	387.1	390.8	396.6	407.5	418.4	431.5	441.0
45°	353.7	357.3	359.5	364.6	366.8	370.4	376.2	385.0	398.1	406.1	417.0
47.5°	335.5	336.9	338.4	344.9	349.3	351.5	357.3	362.4	376.2	383.5	393.7
50°	315.8	315.8	318.0	320.9	326.0	330.4	335.5	341.3	352.2	359.5	369.7
52.5°	297.6	295.4	296.9	298.4	303.5	307.8	312.9	320.9	331.1	335.5	344.2
55°	278.0	274.3	276.5	278.7	280.2	286.0	291.8	296.9	304.9	311.5	319.5
57.5°	256.9	256.2	254.7	255.4	259.1	262.7	267.1	273.6	283.1	288.2	292.5
60°	238.0	233.6	232.1	233.6	235.8	238.0	243.8	249.6	257.6	262.7	267.8
62.5°	218.3	213.9	211.0	208.9	211.0	216.1	219.8	224.1	230.7	236.5	240.9
65°	199.4	192.8	189.9	188.5	187.7	191.4	194.3	200.1	205.9	208.1	213.2
67.5°	178.3	172.5	168.8	166.6	166.6	166.6	169.6	175.4	181.2	181.9	187.0
70°	157.2	150.6	147.0	144.1	142.6	144.1	147.7	148.5	153.5	155.0	157.9
72.5°	134.6	128.8	124.4	120.8	121.5	123.0	123.0	124.4	127.3	131.0	131.0
75°	113.5	105.5	103.3	100.4	99.0	99.0	99.0	101.9	104.1	107.0	106.2
77.5°	89.5	85.1	80.8	79.3	77.1	76.4	77.9	77.9	79.3	81.5	82.2
80°	69.1	64.0	61.1	59.7	56.8	56.0	56.8	56.8	58.9	58.2	58.9
82.5°	48.0	44.4	42.2	40.0	38.6	39.3	38.6	38.6	39.3	38.6	38.6
85°	27.7	26.9	25.5	24.7	24.0	22.6	24.0	23.3	22.6	21.8	23.3
87.5°	13.1	12.4	12.4	10.9	10.9	10.2	10.9	10.9	10.2	10.2	10.2
90°	7.0	6.6	6.3	5.9	5.5	5.0	4.4	3.9	3.4	3.1	2.8
92.5°	7.0	6.6	6.3	5.9	5.5	5.0	4.6	4.1	3.6	3.4	3.7
95°	7.0	6.6	6.3	5.9	5.5	8.4	11.3	14.2	17.1	18.5	18.6
97.5°	6.7	6.6	6.5	6.3	6.2	13.4	20.6	27.8	35.0	38.6	38.4
100°	14.3	25.6	36.9	48.2	59.5	59.2	58.9	58.6	58.3	58.1	58.0
102.5°	80.6	80.5	80.3	80.2	80.0	79.9	79.7	79.6	79.5	79.4	79.2
105°	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.8
107.5°	124.8	124.7	124.6	124.6	124.5	124.3	124.2	124.0	123.9	123.8	123.8
110°	146.1	146.4	146.6	146.9	147.1	146.9	146.8	146.6	146.5	146.4	146.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	167.8	168.1	168.4	168.7	169.0	168.9	168.8	168.7	168.6	168.6	168.5
115°	189.7	190.0	190.3	190.6	190.9	190.8	190.7	190.6	190.5	190.5	190.3
117.5°	210.5	211.0	211.5	211.9	212.4	212.1	211.8	211.5	211.2	211.0	211.0
120°	231.7	231.8	231.9	232.1	232.2	232.0	231.8	231.5	231.3	231.2	231.2
122.5°	251.1	251.2	251.4	251.5	251.7	251.6	251.6	251.5	251.4	251.4	251.2
125°	269.7	270.0	270.3	270.6	270.9	270.9	270.9	270.9	270.9	270.9	270.6
127.5°	287.4	287.5	287.7	287.8	288.0	288.1	288.1	288.2	288.3	288.3	288.1
130°	304.2	304.4	304.7	304.9	305.1	305.0	304.9	304.8	304.7	304.7	304.5
132.5°	320.5	320.5	320.5	320.5	320.5	320.7	320.9	321.2	321.4	321.5	321.3
135°	335.6	335.7	335.9	336.0	336.2	336.4	336.5	336.7	336.8	336.9	336.7
137.5°	350.6	350.6	350.6	350.6	350.6	350.8	350.9	351.1	351.2	351.3	351.1
140°	364.2	364.1	363.9	363.8	363.6	363.7	363.7	363.8	363.9	363.9	363.8
142.5°	376.9	376.9	376.9	376.9	376.9	376.7	376.6	376.4	376.3	376.2	376.2
145°	389.2	389.1	389.0	389.0	388.9	388.9	388.9	388.9	388.9	388.9	388.8
147.5°	399.8	399.7	399.6	399.6	399.5	399.4	399.3	399.2	399.1	399.1	399.1
150°	410.0	409.9	409.7	409.6	409.4	409.2	409.1	408.9	408.8	408.7	408.8
152.5°	418.9	418.8	418.6	418.5	418.3	418.1	418.0	417.8	417.7	417.6	417.8
155°	427.1	426.9	426.6	426.4	426.2	426.0	425.9	425.7	425.6	425.5	425.7
157.5°	433.9	433.7	433.4	433.2	433.0	433.0	433.0	433.0	433.0	433.0	433.1
160°	440.4	440.1	439.8	439.5	439.2	439.1	439.0	438.9	438.8	438.8	439.0
162.5°	446.5	446.0	445.5	445.1	444.6	444.5	444.5	444.4	444.3	444.3	444.5
165°	451.3	450.8	450.3	449.9	449.4	449.3	449.3	449.2	449.1	449.1	449.3
167.5°	455.3	454.8	454.3	453.7	453.2	453.1	453.0	452.9	452.8	452.8	453.0
170°	458.4	457.8	457.1	456.5	455.9	455.8	455.8	455.7	455.6	455.6	455.9
172.5°	460.4	459.9	459.4	458.8	458.3	458.1	458.0	457.8	457.7	457.6	457.9
175°	462.1	461.5	460.9	460.3	459.7	459.6	459.5	459.4	459.3	459.3	459.5
177.5°	462.8	462.3	461.8	461.2	460.7	460.6	460.6	460.5	460.4	460.4	460.6
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	857.2	857.2	857.2	857.2
2.5°	836.9	844.1	849.2	858.7
5°	817.9	831.0	843.4	856.5
7.5°	799.0	814.3	834.0	850.7
10°	777.9	797.6	820.9	843.4
12.5°	756.8	780.1	805.6	835.4
15°	731.3	761.2	791.0	823.0
17.5°	708.8	739.3	771.4	811.4
20°	683.3	716.8	751.7	792.5
22.5°	660.8	697.9	734.3	777.2
25°	635.3	671.7	711.7	757.5
27.5°	614.2	647.7	687.0	736.4
30°	588.7	625.1	664.4	713.9
32.5°	564.7	599.6	641.1	689.9
35°	540.0	575.6	612.7	659.3
37.5°	516.7	547.2	584.3	628.7
40°	490.5	523.9	557.4	592.4
42.5°	466.5	497.0	528.3	556.0
45°	439.5	465.7	495.6	518.1
47.5°	414.8	438.1	461.4	478.8
50°	390.1	408.2	425.7	441.0
52.5°	360.9	381.3	390.8	400.2
55°	334.7	346.4	355.1	364.6
57.5°	309.3	314.4	318.7	327.5
60°	275.8	281.6	286.7	293.3
62.5°	246.7	249.6	251.1	257.6
65°	219.0	218.3	222.0	225.6
67.5°	189.2	188.5	192.1	193.6
70°	160.1	159.4	160.1	163.7
72.5°	132.4	132.4	133.2	134.6
75°	107.0	107.0	107.7	109.2
77.5°	80.8	82.2	81.5	84.4
80°	58.9	57.5	58.9	60.4
82.5°	38.6	40.0	40.0	38.6
85°	21.8	21.8	21.8	21.8
87.5°	9.5	9.5	10.2	10.9
90°	2.2	1.5	0.9	0.3
92.5°	4.4	5.1	5.8	6.5
95°	18.8	19.1	19.3	19.5
97.5°	37.9	37.5	37.0	36.6
100°	57.8	57.5	57.3	57.1
102.5°	78.9	78.6	78.3	78.0
105°	101.5	101.2	100.9	100.6
107.5°	123.8	123.8	123.8	123.8
110°	146.4	146.4	146.4	146.4

TEST NUMBER: P1028096

CATALOG NUMBER: S125DIP-B610D375UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	168.3	168.0	167.8	167.6
115°	189.9	189.6	189.2	188.8
117.5°	211.0	211.0	211.0	211.0
120°	231.3	231.4	231.5	231.6
122.5°	250.8	250.5	250.1	249.7
125°	270.1	269.6	269.0	268.5
127.5°	287.7	287.4	287.0	286.6
130°	304.1	303.8	303.4	303.0
132.5°	320.8	320.4	319.9	319.5
135°	336.2	335.7	335.3	334.8
137.5°	350.6	350.1	349.7	349.2
140°	363.7	363.5	363.4	363.2
142.5°	376.1	376.0	376.0	375.9
145°	388.7	388.5	388.4	388.2
147.5°	399.1	399.1	399.1	399.1
150°	408.9	409.1	409.2	409.4
152.5°	418.2	418.5	418.9	419.3
155°	426.2	426.6	427.1	427.5
157.5°	433.3	433.6	433.8	434.0
160°	439.5	440.0	440.4	440.9
162.5°	445.0	445.4	445.9	446.3
165°	449.8	450.2	450.7	451.1
167.5°	453.5	454.0	454.4	454.9
170°	456.4	456.9	457.5	458.0
172.5°	458.4	458.9	459.5	460.0
175°	460.0	460.5	460.9	461.4
177.5°	461.1	461.5	462.0	462.4
180°	461.4	461.4	461.4	461.4

(END OF REPORT)