

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: P1028187

Luminaire Tested: S125DIP-B610D850UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028187
REPORT IS A COMBINATION OF REPORTS P1002412 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D850UB50-4F0-XX-W2A-A4
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

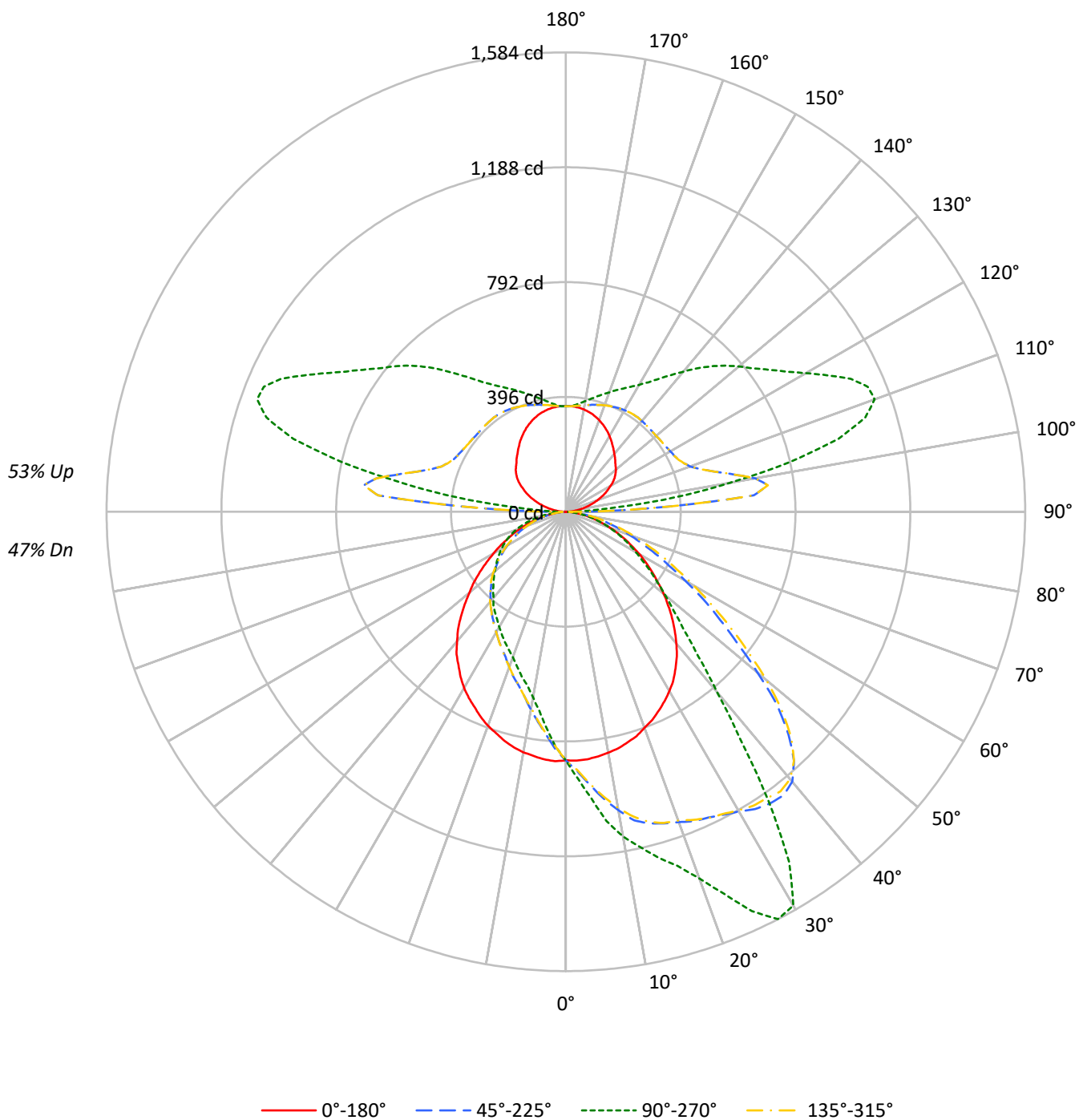
Lumens per Lamp: N/A
Luminaire Lumens: 5156.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
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	53	53	53	47	47	47
1	97	93	89	86	89	86	82	80	72	70	67	59	58	56	47	46	45	40	40	40
2	89	82	76	70	81	75	70	66	63	59	56	52	50	47	42	40	39	34	34	34
3	81	72	65	59	74	66	60	55	56	51	47	46	43	40	37	35	33	29	29	29
4	74	64	56	50	68	59	52	47	50	45	40	41	38	34	33	31	29	25	25	25
5	68	57	49	43	62	52	45	40	45	39	35	37	33	30	30	27	25	22	22	22
6	63	51	43	37	58	47	40	35	40	35	31	34	29	26	27	24	22	19	19	19
7	58	46	38	33	53	43	36	31	36	31	27	31	26	23	25	22	20	17	17	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15	15	15
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14	14	14
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12	12	12

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	1.6
10°-20°	245.7	4.8
20°-30°	399.2	7.7
30°-40°	487.9	9.5
40°-50°	442.5	8.6
50°-60°	352.5	6.8
60°-70°	245.5	4.8
70°-80°	130.8	2.5
80°-90°	33.9	0.7
90°-100°	264.9	5.1
100°-110°	571.3	11.1
110°-120°	532.6	10.3
120°-130°	431.4	8.4
130°-140°	346.4	6.7
140°-150°	261.3	5.1
150°-160°	184.0	3.6
160°-170°	108.4	2.1
170°-180°	35.3	0.7
0°-30°	727.4	14.1
0°-40°	1215.3	23.6
0°-60°	2010.3	39.0
0°-90°	2420.4	46.9
90°-120°	1368.9	26.5
90°-150°	2407.9	46.7
90°-180°	2736.0	53.1
0°-180°	5156.0	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°	1	17	1	17	1	3
95°	24	173	24	173	24	25
105°	83	973	83	973	83	87
115°	148	1084	148	1084	148	146
125°	206	854	206	854	206	183
135°	241	709	241	709	241	187
145°	280	560	280	560	280	176
155°	320	469	320	469	320	147
165°	350	411	350	411	350	98
175°	364	369	364	369	364	35
180°	364	364	364	364	364	

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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°	0.7	1.5	2.9	4.4	5.9	6.6	7.3	8.1	9.5	10.3	11.7
92.5°	11.0	13.2	20.6	31.6	47.0	60.2	73.4	123.4	207.1	298.1	293.0
95°	24.2	25.0	30.8	38.9	55.1	71.6	88.1	166.7	328.2	530.9	650.6
97.5°	37.4	38.2	42.6	50.7	65.4	77.5	89.6	143.9	268.0	486.8	702.7
100°	51.4	52.9	55.8	63.9	77.8	88.8	99.9	142.5	237.9	423.0	663.1
102.5°	66.8	67.6	69.8	78.6	91.1	101.7	112.3	149.1	225.4	374.5	593.3
105°	83.0	83.0	86.6	94.0	105.7	116.0	126.3	158.6	224.0	346.6	532.4
107.5°	98.4	99.9	103.5	109.4	121.9	131.0	140.2	171.8	229.1	331.9	486.8
110°	115.3	116.8	119.7	126.3	137.3	146.9	156.4	186.5	237.2	326.0	456.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	132.2	133.6	135.8	142.5	153.5	162.6	171.8	200.5	247.5	326.0	439.1
115°	148.3	149.8	152.0	158.6	169.6	178.8	188.0	215.1	257.7	328.2	427.4
117.5°	163.0	165.2	167.4	174.0	186.5	195.3	204.1	229.8	269.5	331.9	420.7
120°	177.7	179.9	182.8	189.4	201.9	211.1	220.3	246.0	281.2	337.8	416.3
122.5°	193.1	194.6	196.8	203.4	217.3	226.5	235.7	261.4	294.4	342.9	412.7
125°	205.6	207.1	210.7	217.3	231.3	240.8	250.4	274.6	306.2	348.8	409.7
127.5°	215.9	218.1	222.5	230.6	245.3	254.8	264.3	287.8	317.2	355.4	408.3
130°	225.4	227.6	233.5	243.0	258.5	268.0	277.6	300.3	328.2	361.3	406.8
132.5°	232.8	235.7	243.0	254.1	270.2	279.8	289.3	312.1	337.8	367.9	406.8
135°	240.8	243.8	252.6	264.3	279.8	289.7	299.6	322.4	346.6	373.8	406.8
137.5°	251.1	253.3	261.4	273.2	288.6	298.8	309.1	329.7	353.2	379.6	407.5
140°	259.9	262.1	271.0	282.7	296.7	306.6	316.5	337.8	359.8	383.3	408.3
142.5°	270.2	271.7	279.8	291.5	304.7	313.9	323.1	342.9	363.5	385.5	409.0
145°	280.5	282.0	289.3	299.6	312.8	321.2	329.7	348.8	367.1	387.0	408.3
147.5°	291.5	292.2	298.9	308.4	320.1	327.8	335.6	352.5	369.3	387.7	406.8
150°	301.1	302.5	307.7	317.2	327.5	333.8	340.0	356.1	371.5	387.7	404.6
152.5°	311.3	312.1	316.5	324.6	334.1	339.6	345.1	359.8	373.0	387.0	401.7
155°	320.1	320.1	324.6	331.9	339.2	344.4	349.5	362.0	373.8	385.5	398.0
157.5°	328.2	328.2	331.9	338.5	345.1	349.2	353.2	364.2	374.5	384.0	394.3
160°	336.3	335.6	338.5	343.6	349.5	352.8	356.1	365.7	374.5	381.8	390.6
162.5°	342.9	342.2	345.1	349.5	353.9	356.5	359.1	367.1	373.8	379.6	386.2
165°	349.5	348.1	350.3	353.9	356.9	359.1	361.3	367.1	373.0	377.4	381.8
167.5°	353.9	353.2	354.7	356.9	359.1	360.6	362.0	367.1	371.5	373.8	377.4
170°	358.3	357.6	358.3	359.8	361.3	362.4	363.5	367.1	370.1	371.5	373.8
172.5°	361.3	359.8	360.5	362.0	362.7	363.1	363.5	366.4	368.6	368.6	369.3
175°	363.5	362.0	362.7	363.5	363.5	363.5	363.5	365.7	367.1	366.4	366.4
177.5°	364.9	363.5	363.5	364.2	363.5	363.5	363.5	364.9	365.7	364.2	364.2
180°	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2

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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°	12.5	13.2	14.0	14.7	15.4	16.2	16.2	16.2	16.9	16.9	16.9
92.5°	236.4	159.3	114.5	85.2	78.2	71.2	59.5	57.3	55.8	54.3	55.8
95°	636.6	528.0	416.3	326.0	295.2	264.3	212.2	190.2	184.3	172.6	184.3
97.5°	795.2	757.1	668.2	577.2	533.1	489.0	445.0	406.8	387.0	378.2	387.0
100°	846.6	903.2	867.2	791.6	753.4	715.2	664.5	611.7	584.5	572.7	584.5
102.5°	815.8	952.4	989.1	962.7	939.9	917.1	862.1	828.3	798.2	790.1	798.2
105°	743.1	919.3	1019.9	1052.2	1048.2	1044.2	1020.7	996.4	981.7	972.9	981.7
107.5°	674.1	851.8	984.7	1062.5	1078.6	1094.8	1101.4	1097.8	1090.4	1083.1	1090.4
110°	616.8	775.4	914.9	1018.5	1049.7	1080.9	1113.9	1127.9	1133.0	1133.0	1133.0

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	574.2	715.2	845.9	950.9	989.1	1027.3	1079.4	1105.8	1120.5	1127.1	1120.5
115°	545.6	666.7	780.5	881.1	921.2	961.2	1018.5	1053.7	1074.3	1083.8	1074.3
117.5°	526.5	633.0	733.6	821.7	859.5	897.3	955.3	992.0	1012.6	1018.5	1012.6
120°	511.1	606.5	694.6	775.4	807.7	840.0	894.4	929.6	949.4	955.3	949.4
122.5°	497.8	586.7	666.7	736.5	766.2	796.0	843.0	874.5	894.4	899.5	894.4
125°	486.1	567.6	642.5	706.4	732.8	759.3	800.4	830.5	846.6	854.0	846.6
127.5°	475.1	547.8	619.0	679.2	704.2	729.1	766.6	793.8	809.2	812.1	809.2
130°	464.1	529.4	594.0	651.3	675.2	699.0	735.8	760.0	774.7	779.1	774.7
132.5°	455.3	511.1	570.5	621.2	644.0	666.7	703.4	727.7	740.9	746.0	740.9
135°	448.7	495.6	546.3	593.3	614.2	635.2	667.5	691.7	704.9	709.3	704.9
137.5°	442.0	481.7	524.3	564.7	583.0	601.4	630.8	653.5	666.0	671.1	666.0
140°	437.6	470.7	505.2	539.0	554.4	569.8	597.0	616.1	627.1	630.8	627.1
142.5°	434.0	461.1	489.0	516.9	529.8	542.6	564.7	580.1	590.4	593.3	590.4
145°	430.3	453.1	475.8	498.6	508.5	518.4	536.0	548.5	556.6	559.5	556.6
147.5°	426.6	445.0	464.1	482.4	490.1	497.8	512.5	522.8	528.0	529.4	528.0
150°	422.2	438.4	454.5	468.5	475.1	481.7	492.7	501.5	504.5	505.2	504.5
152.5°	417.1	431.0	445.0	457.5	462.2	467.0	475.8	482.4	485.4	486.1	485.4
155°	411.2	423.7	435.4	445.7	449.8	453.8	461.1	466.3	468.5	469.2	468.5
157.5°	406.1	416.3	426.6	434.7	438.0	441.3	447.2	451.6	453.8	453.8	453.8
160°	399.5	409.0	416.3	423.7	426.2	428.8	434.0	437.6	439.1	438.4	439.1
162.5°	393.6	400.9	407.5	413.4	415.6	417.8	421.5	424.4	424.4	424.4	424.4
165°	387.7	393.6	398.7	403.1	405.0	406.8	409.7	411.2	411.2	411.2	411.2
167.5°	381.8	386.2	389.9	393.6	395.0	396.5	398.0	399.5	398.7	398.7	398.7
170°	376.7	380.4	382.6	384.8	385.5	386.2	387.7	388.4	388.4	387.7	388.4
172.5°	371.5	373.8	376.0	377.4	377.8	378.2	378.2	379.6	378.2	377.4	378.2
175°	367.1	369.3	369.3	370.8	370.8	370.8	370.8	371.5	370.1	369.3	370.1
177.5°	364.9	365.7	366.4	366.4	366.4	366.4	365.7	366.4	364.2	364.2	364.2
180°	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

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°	16.2	16.2	16.2	15.4	14.7	14.0	13.2	12.5	11.7	10.3	9.5
92.5°	57.3	59.5	71.2	78.2	85.2	114.5	159.3	236.4	293.0	298.1	207.1
95°	190.2	212.2	264.3	295.2	326.0	416.3	528.0	636.6	650.6	530.9	328.2
97.5°	406.8	445.0	489.0	533.1	577.2	668.2	757.1	795.2	702.7	486.8	268.0
100°	611.7	664.5	715.2	753.4	791.6	867.2	903.2	846.6	663.1	423.0	237.9
102.5°	828.3	862.1	917.1	939.9	962.7	989.1	952.4	815.8	593.3	374.5	225.4
105°	996.4	1020.7	1044.2	1048.2	1052.2	1019.9	919.3	743.1	532.4	346.6	224.0
107.5°	1097.8	1101.4	1094.8	1078.6	1062.5	984.7	851.8	674.1	486.8	331.9	229.1
110°	1127.9	1113.9	1080.9	1049.7	1018.5	914.9	775.4	616.8	456.7	326.0	237.2

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1105.8	1079.4	1027.3	989.1	950.9	845.9	715.2	574.2	439.1	326.0	247.5
115°	1053.7	1018.5	961.2	921.2	881.1	780.5	666.7	545.6	427.4	328.2	257.7
117.5°	992.0	955.3	897.3	859.5	821.7	733.6	633.0	526.5	420.7	331.9	269.5
120°	929.6	894.4	840.0	807.7	775.4	694.6	606.5	511.1	416.3	337.8	281.2
122.5°	874.5	843.0	796.0	766.2	736.5	666.7	586.7	497.8	412.7	342.9	294.4
125°	830.5	800.4	759.3	732.8	706.4	642.5	567.6	486.1	409.7	348.8	306.2
127.5°	793.8	766.6	729.1	704.2	679.2	619.0	547.8	475.1	408.3	355.4	317.2
130°	760.0	735.8	699.0	675.2	651.3	594.0	529.4	464.1	406.8	361.3	328.2
132.5°	727.7	703.4	666.7	644.0	621.2	570.5	511.1	455.3	406.8	367.9	337.8
135°	691.7	667.5	635.2	614.2	593.3	546.3	495.6	448.7	406.8	373.8	346.6
137.5°	653.5	630.8	601.4	583.0	564.7	524.3	481.7	442.0	407.5	379.6	353.2
140°	616.1	597.0	569.8	554.4	539.0	505.2	470.7	437.6	408.3	383.3	359.8
142.5°	580.1	564.7	542.6	529.8	516.9	489.0	461.1	434.0	409.0	385.5	363.5
145°	548.5	536.0	518.4	508.5	498.6	475.8	453.1	430.3	408.3	387.0	367.1
147.5°	522.8	512.5	497.8	490.1	482.4	464.1	445.0	426.6	406.8	387.7	369.3
150°	501.5	492.7	481.7	475.1	468.5	454.5	438.4	422.2	404.6	387.7	371.5
152.5°	482.4	475.8	467.0	462.2	457.5	445.0	431.0	417.1	401.7	387.0	373.0
155°	466.3	461.1	453.8	449.8	445.7	435.4	423.7	411.2	398.0	385.5	373.8
157.5°	451.6	447.2	441.3	438.0	434.7	426.6	416.3	406.1	394.3	384.0	374.5
160°	437.6	434.0	428.8	426.2	423.7	416.3	409.0	399.5	390.6	381.8	374.5
162.5°	424.4	421.5	417.8	415.6	413.4	407.5	400.9	393.6	386.2	379.6	373.8
165°	411.2	409.7	406.8	405.0	403.1	398.7	393.6	387.7	381.8	377.4	373.0
167.5°	399.5	398.0	396.5	395.0	393.6	389.9	386.2	381.8	377.4	373.8	371.5
170°	388.4	387.7	386.2	385.5	384.8	382.6	380.4	376.7	373.8	371.5	370.1
172.5°	379.6	378.2	378.2	377.8	377.4	376.0	373.8	371.5	369.3	368.6	368.6
175°	371.5	370.8	370.8	370.8	370.8	369.3	369.3	367.1	366.4	366.4	367.1
177.5°	366.4	365.7	366.4	366.4	366.4	366.4	365.7	364.9	364.2	364.2	365.7
180°	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

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°	8.1	7.3	6.6	5.9	4.4	2.9	1.5	0.7	1.5	2.9	4.4
92.5°	123.4	73.4	60.2	47.0	31.6	20.6	13.2	11.0	13.2	20.6	31.6
95°	166.7	88.1	71.6	55.1	38.9	30.8	25.0	24.2	25.0	30.8	38.9
97.5°	143.9	89.6	77.5	65.4	50.7	42.6	38.2	37.4	38.2	42.6	50.7
100°	142.5	99.9	88.8	77.8	63.9	55.8	52.9	51.4	52.9	55.8	63.9
102.5°	149.1	112.3	101.7	91.1	78.6	69.8	67.6	66.8	67.6	69.8	78.6
105°	158.6	126.3	116.0	105.7	94.0	86.6	83.0	83.0	83.0	86.6	94.0
107.5°	171.8	140.2	131.0	121.9	109.4	103.5	99.9	98.4	99.9	103.5	109.4
110°	186.5	156.4	146.9	137.3	126.3	119.7	116.8	115.3	116.8	119.7	126.3

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	200.5	171.8	162.6	153.5	142.5	135.8	133.6	132.2	133.6	135.8	142.5
115°	215.1	188.0	178.8	169.6	158.6	152.0	149.8	148.3	149.8	152.0	158.6
117.5°	229.8	204.1	195.3	186.5	174.0	167.4	165.2	163.0	165.2	167.4	174.0
120°	246.0	220.3	211.1	201.9	189.4	182.8	179.9	177.7	179.9	182.8	189.4
122.5°	261.4	235.7	226.5	217.3	203.4	196.8	194.6	193.1	194.6	196.8	203.4
125°	274.6	250.4	240.8	231.3	217.3	210.7	207.1	205.6	207.1	210.7	217.3
127.5°	287.8	264.3	254.8	245.3	230.6	222.5	218.1	215.9	218.1	222.5	230.6
130°	300.3	277.6	268.0	258.5	243.0	233.5	227.6	225.4	227.6	233.5	243.0
132.5°	312.1	289.3	279.8	270.2	254.1	243.0	235.7	232.8	235.7	243.0	254.1
135°	322.4	299.6	289.7	279.8	264.3	252.6	243.8	240.8	243.8	252.6	264.3
137.5°	329.7	309.1	298.8	288.6	273.2	261.4	253.3	251.1	253.3	261.4	273.2
140°	337.8	316.5	306.6	296.7	282.7	271.0	262.1	259.9	262.1	271.0	282.7
142.5°	342.9	323.1	313.9	304.7	291.5	279.8	271.7	270.2	271.7	279.8	291.5
145°	348.8	329.7	321.2	312.8	299.6	289.3	282.0	280.5	282.0	289.3	299.6
147.5°	352.5	335.6	327.8	320.1	308.4	298.9	292.2	291.5	292.2	298.9	308.4
150°	356.1	340.0	333.8	327.5	317.2	307.7	302.5	301.1	302.5	307.7	317.2
152.5°	359.8	345.1	339.6	334.1	324.6	316.5	312.1	311.3	312.1	316.5	324.6
155°	362.0	349.5	344.4	339.2	331.9	324.6	320.1	320.1	320.1	324.6	331.9
157.5°	364.2	353.2	349.2	345.1	338.5	331.9	328.2	328.2	328.2	331.9	338.5
160°	365.7	356.1	352.8	349.5	343.6	338.5	335.6	336.3	335.6	338.5	343.6
162.5°	367.1	359.1	356.5	353.9	349.5	345.1	342.2	342.9	342.2	345.1	349.5
165°	367.1	361.3	359.1	356.9	353.9	350.3	348.1	349.5	348.1	350.3	353.9
167.5°	367.1	362.0	360.6	359.1	356.9	354.7	353.2	353.9	353.2	354.7	356.9
170°	367.1	363.5	362.4	361.3	359.8	358.3	357.6	358.3	357.6	358.3	359.8
172.5°	366.4	363.5	363.1	362.7	362.0	360.5	359.8	361.3	359.8	360.5	362.0
175°	365.7	363.5	363.5	363.5	363.5	362.7	362.0	363.5	362.0	362.7	363.5
177.5°	364.9	363.5	363.5	363.5	364.2	363.5	363.5	364.9	363.5	363.5	364.2
180°	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

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°	5.9	6.6	7.3	8.1	9.5	10.3	11.7	12.5	13.2	14.0	14.7
92.5°	47.0	60.2	73.4	123.4	207.1	298.1	293.0	236.4	159.3	114.5	85.2
95°	55.1	71.6	88.1	166.7	328.2	530.9	650.6	636.6	528.0	416.3	326.0
97.5°	65.4	77.5	89.6	143.9	268.0	486.8	702.7	795.2	757.1	668.2	577.2
100°	77.8	88.8	99.9	142.5	237.9	423.0	663.1	846.6	903.2	867.2	791.6
102.5°	91.1	101.7	112.3	149.1	225.4	374.5	593.3	815.8	952.4	989.1	962.7
105°	105.7	116.0	126.3	158.6	224.0	346.6	532.4	743.1	919.3	1019.9	1052.2
107.5°	121.9	131.0	140.2	171.8	229.1	331.9	486.8	674.1	851.8	984.7	1062.5
110°	137.3	146.9	156.4	186.5	237.2	326.0	456.7	616.8	775.4	914.9	1018.5

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	153.5	162.6	171.8	200.5	247.5	326.0	439.1	574.2	715.2	845.9	950.9
115°	169.6	178.8	188.0	215.1	257.7	328.2	427.4	545.6	666.7	780.5	881.1
117.5°	186.5	195.3	204.1	229.8	269.5	331.9	420.7	526.5	633.0	733.6	821.7
120°	201.9	211.1	220.3	246.0	281.2	337.8	416.3	511.1	606.5	694.6	775.4
122.5°	217.3	226.5	235.7	261.4	294.4	342.9	412.7	497.8	586.7	666.7	736.5
125°	231.3	240.8	250.4	274.6	306.2	348.8	409.7	486.1	567.6	642.5	706.4
127.5°	245.3	254.8	264.3	287.8	317.2	355.4	408.3	475.1	547.8	619.0	679.2
130°	258.5	268.0	277.6	300.3	328.2	361.3	406.8	464.1	529.4	594.0	651.3
132.5°	270.2	279.8	289.3	312.1	337.8	367.9	406.8	455.3	511.1	570.5	621.2
135°	279.8	289.7	299.6	322.4	346.6	373.8	406.8	448.7	495.6	546.3	593.3
137.5°	288.6	298.8	309.1	329.7	353.2	379.6	407.5	442.0	481.7	524.3	564.7
140°	296.7	306.6	316.5	337.8	359.8	383.3	408.3	437.6	470.7	505.2	539.0
142.5°	304.7	313.9	323.1	342.9	363.5	385.5	409.0	434.0	461.1	489.0	516.9
145°	312.8	321.2	329.7	348.8	367.1	387.0	408.3	430.3	453.1	475.8	498.6
147.5°	320.1	327.8	335.6	352.5	369.3	387.7	406.8	426.6	445.0	464.1	482.4
150°	327.5	333.8	340.0	356.1	371.5	387.7	404.6	422.2	438.4	454.5	468.5
152.5°	334.1	339.6	345.1	359.8	373.0	387.0	401.7	417.1	431.0	445.0	457.5
155°	339.2	344.4	349.5	362.0	373.8	385.5	398.0	411.2	423.7	435.4	445.7
157.5°	345.1	349.2	353.2	364.2	374.5	384.0	394.3	406.1	416.3	426.6	434.7
160°	349.5	352.8	356.1	365.7	374.5	381.8	390.6	399.5	409.0	416.3	423.7
162.5°	353.9	356.5	359.1	367.1	373.8	379.6	386.2	393.6	400.9	407.5	413.4
165°	356.9	359.1	361.3	367.1	373.0	377.4	381.8	387.7	393.6	398.7	403.1
167.5°	359.1	360.6	362.0	367.1	371.5	373.8	377.4	381.8	386.2	389.9	393.6
170°	361.3	362.4	363.5	367.1	370.1	371.5	373.8	376.7	380.4	382.6	384.8
172.5°	362.7	363.1	363.5	366.4	368.6	368.6	369.3	371.5	373.8	376.0	377.4
175°	363.5	363.5	363.5	365.7	367.1	366.4	366.4	367.1	369.3	369.3	370.8
177.5°	363.5	363.5	363.5	364.9	365.7	364.2	364.2	364.9	365.7	366.4	366.4
180°	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

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°	15.4	16.2	16.2	16.2	16.9	16.9	16.9	16.2	16.2	16.2	15.4
92.5°	78.2	71.2	59.5	57.3	55.8	54.3	55.8	57.3	59.5	71.2	78.2
95°	295.2	264.3	212.2	190.2	184.3	172.6	184.3	190.2	212.2	264.3	295.2
97.5°	533.1	489.0	445.0	406.8	387.0	378.2	387.0	406.8	445.0	489.0	533.1
100°	753.4	715.2	664.5	611.7	584.5	572.7	584.5	611.7	664.5	715.2	753.4
102.5°	939.9	917.1	862.1	828.3	798.2	790.1	798.2	828.3	862.1	917.1	939.9
105°	1048.2	1044.2	1020.7	996.4	981.7	972.9	981.7	996.4	1020.7	1044.2	1048.2
107.5°	1078.6	1094.8	1101.4	1097.8	1090.4	1083.1	1090.4	1097.8	1101.4	1094.8	1078.6
110°	1049.7	1080.9	1113.9	1127.9	1133.0	1133.0	1133.0	1127.9	1113.9	1080.9	1049.7

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	989.1	1027.3	1079.4	1105.8	1120.5	1127.1	1120.5	1105.8	1079.4	1027.3	989.1
115°	921.2	961.2	1018.5	1053.7	1074.3	1083.8	1074.3	1053.7	1018.5	961.2	921.2
117.5°	859.5	897.3	955.3	992.0	1012.6	1018.5	1012.6	992.0	955.3	897.3	859.5
120°	807.7	840.0	894.4	929.6	949.4	955.3	949.4	929.6	894.4	840.0	807.7
122.5°	766.2	796.0	843.0	874.5	894.4	899.5	894.4	874.5	843.0	796.0	766.2
125°	732.8	759.3	800.4	830.5	846.6	854.0	846.6	830.5	800.4	759.3	732.8
127.5°	704.2	729.1	766.6	793.8	809.2	812.1	809.2	793.8	766.6	729.1	704.2
130°	675.2	699.0	735.8	760.0	774.7	779.1	774.7	760.0	735.8	699.0	675.2
132.5°	644.0	666.7	703.4	727.7	740.9	746.0	740.9	727.7	703.4	666.7	644.0
135°	614.2	635.2	667.5	691.7	704.9	709.3	704.9	691.7	667.5	635.2	614.2
137.5°	583.0	601.4	630.8	653.5	666.0	671.1	666.0	653.5	630.8	601.4	583.0
140°	554.4	569.8	597.0	616.1	627.1	630.8	627.1	616.1	597.0	569.8	554.4
142.5°	529.8	542.6	564.7	580.1	590.4	593.3	590.4	580.1	564.7	542.6	529.8
145°	508.5	518.4	536.0	548.5	556.6	559.5	556.6	548.5	536.0	518.4	508.5
147.5°	490.1	497.8	512.5	522.8	528.0	529.4	528.0	522.8	512.5	497.8	490.1
150°	475.1	481.7	492.7	501.5	504.5	505.2	504.5	501.5	492.7	481.7	475.1
152.5°	462.2	467.0	475.8	482.4	485.4	486.1	485.4	482.4	475.8	467.0	462.2
155°	449.8	453.8	461.1	466.3	468.5	469.2	468.5	466.3	461.1	453.8	449.8
157.5°	438.0	441.3	447.2	451.6	453.8	453.8	453.8	451.6	447.2	441.3	438.0
160°	426.2	428.8	434.0	437.6	439.1	438.4	439.1	437.6	434.0	428.8	426.2
162.5°	415.6	417.8	421.5	424.4	424.4	424.4	424.4	424.4	421.5	417.8	415.6
165°	405.0	406.8	409.7	411.2	411.2	411.2	411.2	411.2	409.7	406.8	405.0
167.5°	395.0	396.5	398.0	399.5	398.7	398.7	398.7	399.5	398.0	396.5	395.0
170°	385.5	386.2	387.7	388.4	388.4	387.7	388.4	388.4	387.7	386.2	385.5
172.5°	377.8	378.2	378.2	379.6	378.2	377.4	378.2	379.6	378.2	378.2	377.8
175°	370.8	370.8	370.8	371.5	370.1	369.3	370.1	371.5	370.8	370.8	370.8
177.5°	366.4	366.4	365.7	366.4	364.2	364.2	364.2	366.4	365.7	366.4	366.4
180°	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

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°	14.7	14.0	13.2	12.5	11.7	10.3	9.5	8.1	7.3	6.6	5.9
92.5°	85.2	114.5	159.3	236.4	293.0	298.1	207.1	123.4	73.4	60.2	47.0
95°	326.0	416.3	528.0	636.6	650.6	530.9	328.2	166.7	88.1	71.6	55.1
97.5°	577.2	668.2	757.1	795.2	702.7	486.8	268.0	143.9	89.6	77.5	65.4
100°	791.6	867.2	903.2	846.6	663.1	423.0	237.9	142.5	99.9	88.8	77.8
102.5°	962.7	989.1	952.4	815.8	593.3	374.5	225.4	149.1	112.3	101.7	91.1
105°	1052.2	1019.9	919.3	743.1	532.4	346.6	224.0	158.6	126.3	116.0	105.7
107.5°	1062.5	984.7	851.8	674.1	486.8	331.9	229.1	171.8	140.2	131.0	121.9
110°	1018.5	914.9	775.4	616.8	456.7	326.0	237.2	186.5	156.4	146.9	137.3

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	950.9	845.9	715.2	574.2	439.1	326.0	247.5	200.5	171.8	162.6	153.5
115°	881.1	780.5	666.7	545.6	427.4	328.2	257.7	215.1	188.0	178.8	169.6
117.5°	821.7	733.6	633.0	526.5	420.7	331.9	269.5	229.8	204.1	195.3	186.5
120°	775.4	694.6	606.5	511.1	416.3	337.8	281.2	246.0	220.3	211.1	201.9
122.5°	736.5	666.7	586.7	497.8	412.7	342.9	294.4	261.4	235.7	226.5	217.3
125°	706.4	642.5	567.6	486.1	409.7	348.8	306.2	274.6	250.4	240.8	231.3
127.5°	679.2	619.0	547.8	475.1	408.3	355.4	317.2	287.8	264.3	254.8	245.3
130°	651.3	594.0	529.4	464.1	406.8	361.3	328.2	300.3	277.6	268.0	258.5
132.5°	621.2	570.5	511.1	455.3	406.8	367.9	337.8	312.1	289.3	279.8	270.2
135°	593.3	546.3	495.6	448.7	406.8	373.8	346.6	322.4	299.6	289.7	279.8
137.5°	564.7	524.3	481.7	442.0	407.5	379.6	353.2	329.7	309.1	298.8	288.6
140°	539.0	505.2	470.7	437.6	408.3	383.3	359.8	337.8	316.5	306.6	296.7
142.5°	516.9	489.0	461.1	434.0	409.0	385.5	363.5	342.9	323.1	313.9	304.7
145°	498.6	475.8	453.1	430.3	408.3	387.0	367.1	348.8	329.7	321.2	312.8
147.5°	482.4	464.1	445.0	426.6	406.8	387.7	369.3	352.5	335.6	327.8	320.1
150°	468.5	454.5	438.4	422.2	404.6	387.7	371.5	356.1	340.0	333.8	327.5
152.5°	457.5	445.0	431.0	417.1	401.7	387.0	373.0	359.8	345.1	339.6	334.1
155°	445.7	435.4	423.7	411.2	398.0	385.5	373.8	362.0	349.5	344.4	339.2
157.5°	434.7	426.6	416.3	406.1	394.3	384.0	374.5	364.2	353.2	349.2	345.1
160°	423.7	416.3	409.0	399.5	390.6	381.8	374.5	365.7	356.1	352.8	349.5
162.5°	413.4	407.5	400.9	393.6	386.2	379.6	373.8	367.1	359.1	356.5	353.9
165°	403.1	398.7	393.6	387.7	381.8	377.4	373.0	367.1	361.3	359.1	356.9
167.5°	393.6	389.9	386.2	381.8	377.4	373.8	371.5	367.1	362.0	360.6	359.1
170°	384.8	382.6	380.4	376.7	373.8	371.5	370.1	367.1	363.5	362.4	361.3
172.5°	377.4	376.0	373.8	371.5	369.3	368.6	368.6	366.4	363.5	363.1	362.7
175°	370.8	369.3	369.3	367.1	366.4	366.4	367.1	365.7	363.5	363.5	363.5
177.5°	366.4	366.4	365.7	364.9	364.2	364.2	365.7	364.9	363.5	363.5	363.5
180°	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2	364.2

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

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°	4.4	2.9	1.5	0.7
92.5°	31.6	20.6	13.2	11.0
95°	38.9	30.8	25.0	24.2
97.5°	50.7	42.6	38.2	37.4
100°	63.9	55.8	52.9	51.4
102.5°	78.6	69.8	67.6	66.8
105°	94.0	86.6	83.0	83.0
107.5°	109.4	103.5	99.9	98.4
110°	126.3	119.7	116.8	115.3

TEST NUMBER: P1028187

CATALOG NUMBER: S125DIP-B610D850UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	142.5	135.8	133.6	132.2
115°	158.6	152.0	149.8	148.3
117.5°	174.0	167.4	165.2	163.0
120°	189.4	182.8	179.9	177.7
122.5°	203.4	196.8	194.6	193.1
125°	217.3	210.7	207.1	205.6
127.5°	230.6	222.5	218.1	215.9
130°	243.0	233.5	227.6	225.4
132.5°	254.1	243.0	235.7	232.8
135°	264.3	252.6	243.8	240.8
137.5°	273.2	261.4	253.3	251.1
140°	282.7	271.0	262.1	259.9
142.5°	291.5	279.8	271.7	270.2
145°	299.6	289.3	282.0	280.5
147.5°	308.4	298.9	292.2	291.5
150°	317.2	307.7	302.5	301.1
152.5°	324.6	316.5	312.1	311.3
155°	331.9	324.6	320.1	320.1
157.5°	338.5	331.9	328.2	328.2
160°	343.6	338.5	335.6	336.3
162.5°	349.5	345.1	342.2	342.9
165°	353.9	350.3	348.1	349.5
167.5°	356.9	354.7	353.2	353.9
170°	359.8	358.3	357.6	358.3
172.5°	362.0	360.5	359.8	361.3
175°	363.5	362.7	362.0	363.5
177.5°	364.2	363.5	363.5	364.9
180°	364.2	364.2	364.2	364.2

(END OF REPORT)