

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: P1028053

Luminaire Tested: S125DIP-B610D1270UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028053
REPORT IS A COMBINATION OF REPORTS P1002232 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D1270UB50-4F0-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

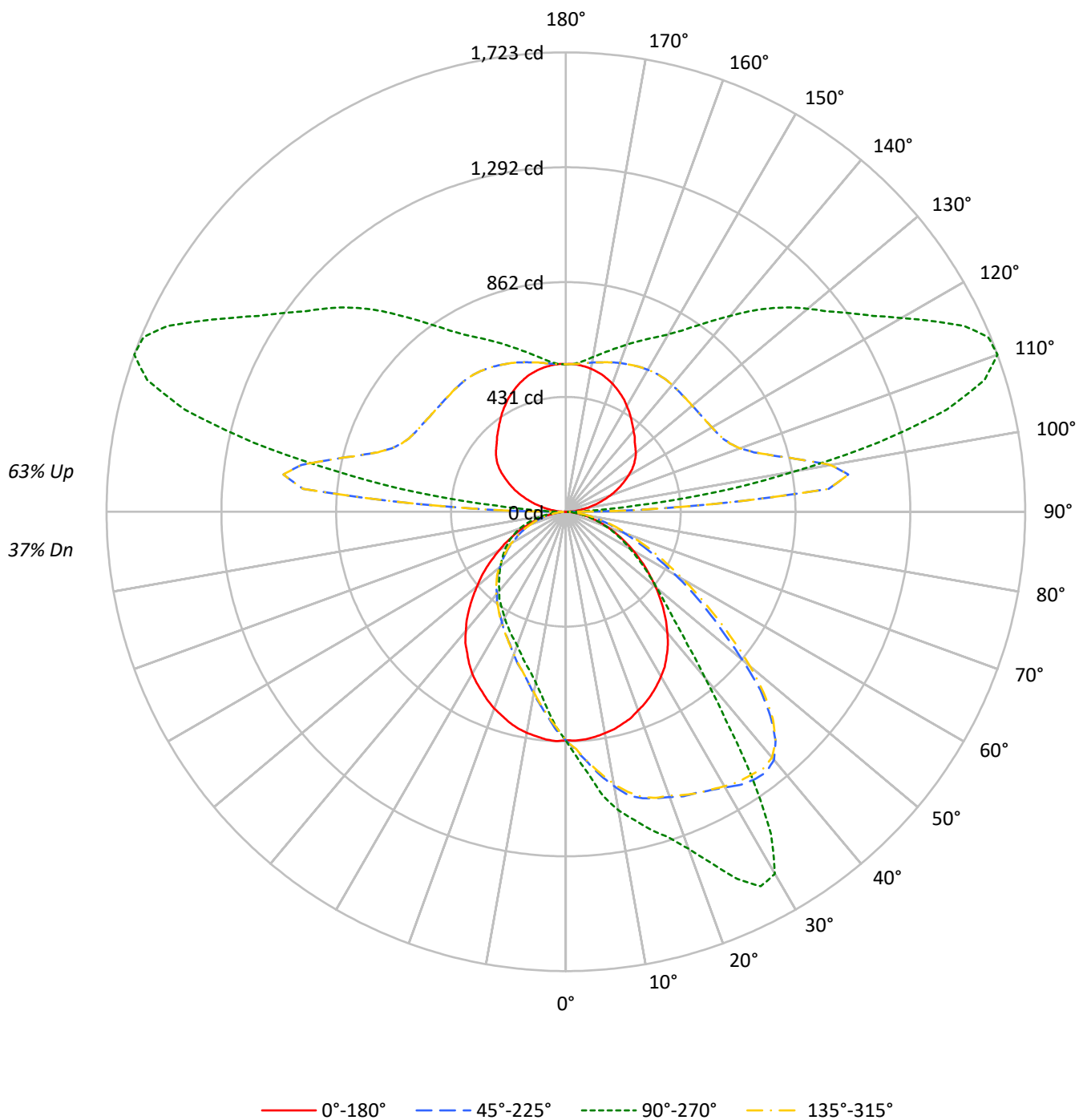
Lumens per Lamp: N/A
Luminaire Lumens: 6581.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 59
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	44	44	37
1	95	91	87	84	86	82	79	76	67	65	63	52	51	50	39	38	37	37	37	31
2	87	79	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32	32	32	26
3	79	70	63	57	71	64	58	53	52	47	44	41	38	35	31	29	27	27	27	23
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	28	25	23	23	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	20	20	17
6	61	49	41	36	55	45	38	33	37	32	28	30	26	23	23	20	18	18	18	15
7	56	44	37	31	51	41	34	29	34	28	25	27	23	20	21	18	16	16	16	13
8	52	40	33	28	47	37	30	26	31	25	22	24	21	18	19	16	14	14	14	12
9	49	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	13	13	11
10	45	34	26	22	41	31	25	20	26	21	17	21	17	15	16	14	12	12	12	10

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	1.3
10°-20°	245.7	3.7
20°-30°	399.2	6.1
30°-40°	487.9	7.4
40°-50°	442.5	6.7
50°-60°	352.5	5.4
60°-70°	245.5	3.7
70°-80°	130.8	2.0
80°-90°	34.6	0.5
90°-100°	402.9	6.1
100°-110°	868.7	13.2
110°-120°	809.9	12.3
120°-130°	656.0	10.0
130°-140°	526.7	8.0
140°-150°	397.3	6.0
150°-160°	279.8	4.3
160°-170°	164.9	2.5
170°-180°	53.6	0.8
0°-30°	727.4	11.1
0°-40°	1215.3	18.5
0°-60°	2010.3	30.5
0°-90°	2421.2	36.8
90°-120°	2081.5	31.6
90°-150°	3661.5	55.6
90°-180°	4160.0	63.2
0°-180°	6581.0	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	26	1	26	1	4
95°	37	262	37	262	37	38
105°	126	1480	126	1480	126	133
115°	226	1648	226	1648	226	222
125°	313	1299	313	1299	313	278
135°	366	1079	366	1079	366	284
145°	426	851	426	851	426	267
155°	487	714	487	714	487	224
165°	532	625	532	625	532	150
175°	553	562	553	562	553	53
180°	554	554	554	554	554	

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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°	1.1	2.2	4.5	6.7	8.9	10.0	11.2	12.3	14.5	15.6	17.9
92.5°	16.7	20.1	31.3	48.0	71.5	91.6	111.7	187.6	314.9	453.3	445.5
95°	36.8	38.0	46.9	59.2	83.7	108.8	134.0	253.5	499.1	807.3	989.3
97.5°	56.9	58.1	64.8	77.0	99.4	117.8	136.2	218.9	407.6	740.3	1068.6
100°	78.2	80.4	84.9	97.1	118.4	135.2	151.9	216.6	361.8	643.2	1008.3
102.5°	101.6	102.7	106.1	119.5	138.5	154.6	170.8	226.7	342.8	569.5	902.2
105°	126.2	126.2	131.8	142.9	160.8	176.4	192.1	241.2	340.6	527.0	809.5
107.5°	149.6	151.9	157.4	166.4	185.4	199.4	213.3	261.3	348.4	504.7	740.3
110°	175.3	177.5	182.0	192.1	208.8	223.3	237.8	283.6	360.7	495.8	694.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	201.0	203.2	206.6	216.6	233.4	247.4	261.3	304.8	376.3	495.8	667.7
115°	225.6	227.8	231.1	241.2	257.9	271.8	285.8	327.2	391.9	499.1	649.9
117.5°	247.9	251.2	254.6	264.6	283.6	297.0	310.4	349.5	409.8	504.7	639.8
120°	270.2	273.6	278.0	288.1	307.1	321.0	335.0	374.1	427.7	513.6	633.1
122.5°	293.7	295.9	299.2	309.3	330.5	344.4	358.4	397.5	447.8	521.4	627.5
125°	312.6	314.9	320.5	330.5	351.7	366.2	380.8	417.6	465.6	530.4	623.1
127.5°	328.3	331.6	338.3	350.6	372.9	387.4	402.0	437.7	482.4	540.4	620.8
130°	342.8	346.1	355.1	369.6	393.0	407.6	422.1	456.7	499.1	549.4	618.6
132.5°	354.0	358.4	369.6	386.3	410.9	425.4	439.9	474.6	513.6	559.4	618.6
135°	366.2	370.7	384.1	402.0	425.4	440.5	455.6	490.2	527.0	568.3	618.6
137.5°	381.9	385.2	397.5	415.4	438.8	454.4	470.1	501.3	537.1	577.3	619.7
140°	395.3	398.6	412.0	429.9	451.1	466.2	481.3	513.6	547.1	582.9	620.8
142.5°	410.9	413.1	425.4	443.3	463.4	477.4	491.3	521.4	552.7	586.2	621.9
145°	426.5	428.8	439.9	455.6	475.7	488.5	501.3	530.4	558.3	588.4	620.8
147.5°	443.3	444.4	454.5	469.0	486.8	498.6	510.3	536.0	561.6	589.6	618.6
150°	457.8	460.0	467.9	482.4	498.0	507.5	517.0	541.5	565.0	589.6	615.2
152.5°	473.4	474.6	481.3	493.5	508.0	516.4	524.8	547.1	567.2	588.4	610.8
155°	486.8	486.8	493.5	504.7	515.9	523.7	531.5	550.5	568.3	586.2	605.2
157.5°	499.1	499.1	504.7	514.7	524.8	531.0	537.1	553.8	569.5	584.0	599.6
160°	511.4	510.3	514.7	522.6	531.5	536.5	541.5	556.1	569.5	580.6	594.0
162.5°	521.4	520.3	524.8	531.5	538.2	542.1	546.0	558.3	568.3	577.3	587.3
165°	531.5	529.3	532.6	538.2	542.7	546.0	549.4	558.3	567.2	573.9	580.6
167.5°	538.2	537.1	539.3	542.7	546.0	548.2	550.5	558.3	565.0	568.3	573.9
170°	544.9	543.8	544.9	547.1	549.4	551.0	552.7	558.3	562.8	565.0	568.3
172.5°	549.4	547.1	548.2	550.5	551.6	552.2	552.7	557.2	560.5	560.5	561.6
175°	552.7	550.5	551.6	552.7	552.7	552.7	552.7	556.1	558.3	557.2	557.2
177.5°	554.9	552.7	552.7	553.8	552.7	552.7	552.7	554.9	556.1	553.8	553.8
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

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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°	19.0	20.1	21.2	22.3	23.5	24.6	24.6	24.6	25.7	25.7	25.7
92.5°	359.5	242.3	174.2	129.5	118.9	108.3	90.4	87.1	84.9	82.6	84.9
95°	968.1	802.8	633.1	495.8	448.9	402.0	322.7	289.2	280.3	262.4	280.3
97.5°	1209.3	1151.2	1016.1	877.6	810.6	743.6	676.7	618.6	588.4	575.0	588.4
100°	1287.4	1373.4	1318.7	1203.7	1145.6	1087.6	1010.5	930.1	888.8	870.9	888.8
102.5°	1240.5	1448.2	1504.0	1463.9	1429.2	1394.6	1310.9	1259.5	1213.7	1201.5	1213.7
105°	1130.0	1398.0	1550.9	1600.1	1593.9	1587.8	1552.1	1515.2	1492.9	1479.5	1492.9
107.5°	1025.0	1295.2	1497.3	1615.7	1640.2	1664.8	1674.9	1669.3	1658.1	1647.0	1658.1
110°	937.9	1179.1	1391.3	1548.7	1596.2	1643.6	1693.9	1715.1	1722.9	1722.9	1722.9

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	873.2	1087.6	1286.3	1446.0	1504.0	1562.1	1641.4	1681.6	1703.9	1714.0	1703.9
115°	829.6	1013.9	1186.9	1339.9	1400.8	1461.6	1548.7	1602.3	1633.6	1648.1	1633.6
117.5°	800.6	962.5	1115.5	1249.5	1307.0	1364.5	1452.7	1508.5	1539.8	1548.7	1539.8
120°	777.1	922.3	1056.3	1179.1	1228.2	1277.4	1360.0	1413.6	1443.8	1452.7	1443.8
122.5°	757.0	892.2	1013.9	1119.9	1165.2	1210.4	1281.8	1329.9	1360.0	1367.8	1360.0
125°	739.2	863.1	977.0	1074.2	1114.4	1154.6	1217.1	1262.9	1287.4	1298.6	1287.4
127.5°	722.4	833.0	941.3	1032.8	1070.8	1108.8	1165.7	1207.0	1230.5	1234.9	1230.5
130°	705.7	805.1	903.3	990.4	1026.7	1063.0	1118.8	1155.7	1178.0	1184.7	1178.0
132.5°	692.3	777.1	867.6	944.6	979.2	1013.9	1069.7	1106.5	1126.6	1134.5	1126.6
135°	682.2	753.7	830.7	902.2	934.0	965.9	1015.0	1051.8	1071.9	1078.6	1071.9
137.5°	672.2	732.5	797.2	858.7	886.6	914.5	959.2	993.8	1012.7	1020.6	1012.7
140°	665.5	715.7	768.2	819.6	843.0	866.5	907.8	936.8	953.6	959.2	953.6
142.5°	659.9	701.2	743.6	786.1	805.7	825.2	858.7	882.1	897.7	902.2	897.7
145°	654.3	688.9	723.6	758.2	773.2	788.3	815.1	834.1	846.4	850.8	846.4
147.5°	648.7	676.7	705.7	733.6	745.3	757.0	779.4	795.0	802.8	805.1	802.8
150°	642.0	666.6	691.2	712.4	722.4	732.5	749.2	762.6	767.1	768.2	767.1
152.5°	634.2	655.4	676.7	695.6	702.9	710.2	723.6	733.6	738.1	739.2	738.1
155°	625.3	644.3	662.1	677.8	684.0	690.1	701.2	709.0	712.4	713.5	712.4
157.5°	617.5	633.1	648.7	661.0	666.0	671.1	680.0	686.7	690.1	690.1	690.1
160°	607.4	621.9	633.1	644.3	648.2	652.1	659.9	665.5	667.7	666.6	667.7
162.5°	598.5	609.7	619.7	628.6	632.0	635.3	640.9	645.4	645.4	645.4	645.4
165°	589.6	598.5	606.3	613.0	615.8	618.6	623.1	625.3	625.3	625.3	625.3
167.5°	580.6	587.3	592.9	598.5	600.8	603.0	605.2	607.4	606.3	606.3	606.3
170°	572.8	578.4	581.7	585.1	586.2	587.3	589.6	590.7	590.7	589.6	590.7
172.5°	565.0	568.3	571.7	573.9	574.4	575.0	575.0	577.3	575.0	573.9	575.0
175°	558.3	561.6	561.6	563.9	563.9	563.9	563.9	565.0	562.8	561.6	562.8
177.5°	554.9	556.1	557.2	557.2	557.2	557.2	556.1	557.2	553.8	553.8	553.8
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-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°	24.6	24.6	24.6	23.5	22.3	21.2	20.1	19.0	17.9	15.6	14.5
92.5°	87.1	90.4	108.3	118.9	129.5	174.2	242.3	359.5	445.5	453.3	314.9
95°	289.2	322.7	402.0	448.9	495.8	633.1	802.8	968.1	989.3	807.3	499.1
97.5°	618.6	676.7	743.6	810.6	877.6	1016.1	1151.2	1209.3	1068.6	740.3	407.6
100°	930.1	1010.5	1087.6	1145.6	1203.7	1318.7	1373.4	1287.4	1008.3	643.2	361.8
102.5°	1259.5	1310.9	1394.6	1429.2	1463.9	1504.0	1448.2	1240.5	902.2	569.5	342.8
105°	1515.2	1552.1	1587.8	1593.9	1600.1	1550.9	1398.0	1130.0	809.5	527.0	340.6
107.5°	1669.3	1674.9	1664.8	1640.2	1615.7	1497.3	1295.2	1025.0	740.3	504.7	348.4
110°	1715.1	1693.9	1643.6	1596.2	1548.7	1391.3	1179.1	937.9	694.5	495.8	360.7

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1681.6	1641.4	1562.1	1504.0	1446.0	1286.3	1087.6	873.2	667.7	495.8	376.3
115°	1602.3	1548.7	1461.6	1400.8	1339.9	1186.9	1013.9	829.6	649.9	499.1	391.9
117.5°	1508.5	1452.7	1364.5	1307.0	1249.5	1115.5	962.5	800.6	639.8	504.7	409.8
120°	1413.6	1360.0	1277.4	1228.2	1179.1	1056.3	922.3	777.1	633.1	513.6	427.7
122.5°	1329.9	1281.8	1210.4	1165.2	1119.9	1013.9	892.2	757.0	627.5	521.4	447.8
125°	1262.9	1217.1	1154.6	1114.4	1074.2	977.0	863.1	739.2	623.1	530.4	465.6
127.5°	1207.0	1165.7	1108.8	1070.8	1032.8	941.3	833.0	722.4	620.8	540.4	482.4
130°	1155.7	1118.8	1063.0	1026.7	990.4	903.3	805.1	705.7	618.6	549.4	499.1
132.5°	1106.5	1069.7	1013.9	979.2	944.6	867.6	777.1	692.3	618.6	559.4	513.6
135°	1051.8	1015.0	965.9	934.0	902.2	830.7	753.7	682.2	618.6	568.3	527.0
137.5°	993.8	959.2	914.5	886.6	858.7	797.2	732.5	672.2	619.7	577.3	537.1
140°	936.8	907.8	866.5	843.0	819.6	768.2	715.7	665.5	620.8	582.9	547.1
142.5°	882.1	858.7	825.2	805.7	786.1	743.6	701.2	659.9	621.9	586.2	552.7
145°	834.1	815.1	788.3	773.2	758.2	723.6	688.9	654.3	620.8	588.4	558.3
147.5°	795.0	779.4	757.0	745.3	733.6	705.7	676.7	648.7	618.6	589.6	561.6
150°	762.6	749.2	732.5	722.4	712.4	691.2	666.6	642.0	615.2	589.6	565.0
152.5°	733.6	723.6	710.2	702.9	695.6	676.7	655.4	634.2	610.8	588.4	567.2
155°	709.0	701.2	690.1	684.0	677.8	662.1	644.3	625.3	605.2	586.2	568.3
157.5°	686.7	680.0	671.1	666.0	661.0	648.7	633.1	617.5	599.6	584.0	569.5
160°	665.5	659.9	652.1	648.2	644.3	633.1	621.9	607.4	594.0	580.6	569.5
162.5°	645.4	640.9	635.3	632.0	628.6	619.7	609.7	598.5	587.3	577.3	568.3
165°	625.3	623.1	618.6	615.8	613.0	606.3	598.5	589.6	580.6	573.9	567.2
167.5°	607.4	605.2	603.0	600.8	598.5	592.9	587.3	580.6	573.9	568.3	565.0
170°	590.7	589.6	587.3	586.2	585.1	581.7	578.4	572.8	568.3	565.0	562.8
172.5°	577.3	575.0	575.0	574.4	573.9	571.7	568.3	565.0	561.6	560.5	560.5
175°	565.0	563.9	563.9	563.9	563.9	561.6	561.6	558.3	557.2	557.2	558.3
177.5°	557.2	556.1	557.2	557.2	557.2	557.2	556.1	554.9	553.8	553.8	556.1
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-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°	12.3	11.2	10.0	8.9	6.7	4.5	2.2	1.1	2.2	4.5	6.7
92.5°	187.6	111.7	91.6	71.5	48.0	31.3	20.1	16.7	20.1	31.3	48.0
95°	253.5	134.0	108.8	83.7	59.2	46.9	38.0	36.8	38.0	46.9	59.2
97.5°	218.9	136.2	117.8	99.4	77.0	64.8	58.1	56.9	58.1	64.8	77.0
100°	216.6	151.9	135.2	118.4	97.1	84.9	80.4	78.2	80.4	84.9	97.1
102.5°	226.7	170.8	154.6	138.5	119.5	106.1	102.7	101.6	102.7	106.1	119.5
105°	241.2	192.1	176.4	160.8	142.9	131.8	126.2	126.2	126.2	131.8	142.9
107.5°	261.3	213.3	199.4	185.4	166.4	157.4	151.9	149.6	151.9	157.4	166.4
110°	283.6	237.8	223.3	208.8	192.1	182.0	177.5	175.3	177.5	182.0	192.1

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	304.8	261.3	247.4	233.4	216.6	206.6	203.2	201.0	203.2	206.6	216.6
115°	327.2	285.8	271.8	257.9	241.2	231.1	227.8	225.6	227.8	231.1	241.2
117.5°	349.5	310.4	297.0	283.6	264.6	254.6	251.2	247.9	251.2	254.6	264.6
120°	374.1	335.0	321.0	307.1	288.1	278.0	273.6	270.2	273.6	278.0	288.1
122.5°	397.5	358.4	344.4	330.5	309.3	299.2	295.9	293.7	295.9	299.2	309.3
125°	417.6	380.8	366.2	351.7	330.5	320.5	314.9	312.6	314.9	320.5	330.5
127.5°	437.7	402.0	387.4	372.9	350.6	338.3	331.6	328.3	331.6	338.3	350.6
130°	456.7	422.1	407.6	393.0	369.6	355.1	346.1	342.8	346.1	355.1	369.6
132.5°	474.6	439.9	425.4	410.9	386.3	369.6	358.4	354.0	358.4	369.6	386.3
135°	490.2	455.6	440.5	425.4	402.0	384.1	370.7	366.2	370.7	384.1	402.0
137.5°	501.3	470.1	454.4	438.8	415.4	397.5	385.2	381.9	385.2	397.5	415.4
140°	513.6	481.3	466.2	451.1	429.9	412.0	398.6	395.3	398.6	412.0	429.9
142.5°	521.4	491.3	477.4	463.4	443.3	425.4	413.1	410.9	413.1	425.4	443.3
145°	530.4	501.3	488.5	475.7	455.6	439.9	428.8	426.5	428.8	439.9	455.6
147.5°	536.0	510.3	498.6	486.8	469.0	454.5	444.4	443.3	444.4	454.5	469.0
150°	541.5	517.0	507.5	498.0	482.4	467.9	460.0	457.8	460.0	467.9	482.4
152.5°	547.1	524.8	516.4	508.0	493.5	481.3	474.6	473.4	474.6	481.3	493.5
155°	550.5	531.5	523.7	515.9	504.7	493.5	486.8	486.8	486.8	493.5	504.7
157.5°	553.8	537.1	531.0	524.8	514.7	504.7	499.1	499.1	499.1	504.7	514.7
160°	556.1	541.5	536.5	531.5	522.6	514.7	510.3	511.4	510.3	514.7	522.6
162.5°	558.3	546.0	542.1	538.2	531.5	524.8	520.3	521.4	520.3	524.8	531.5
165°	558.3	549.4	546.0	542.7	538.2	532.6	529.3	531.5	529.3	532.6	538.2
167.5°	558.3	550.5	548.2	546.0	542.7	539.3	537.1	538.2	537.1	539.3	542.7
170°	558.3	552.7	551.0	549.4	547.1	544.9	543.8	544.9	543.8	544.9	547.1
172.5°	557.2	552.7	552.2	551.6	550.5	548.2	547.1	549.4	547.1	548.2	550.5
175°	556.1	552.7	552.7	552.7	552.7	551.6	550.5	552.7	550.5	551.6	552.7
177.5°	554.9	552.7	552.7	552.7	553.8	552.7	552.7	554.9	552.7	552.7	553.8
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-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°	8.9	10.0	11.2	12.3	14.5	15.6	17.9	19.0	20.1	21.2	22.3
92.5°	71.5	91.6	111.7	187.6	314.9	453.3	445.5	359.5	242.3	174.2	129.5
95°	83.7	108.8	134.0	253.5	499.1	807.3	989.3	968.1	802.8	633.1	495.8
97.5°	99.4	117.8	136.2	218.9	407.6	740.3	1068.6	1209.3	1151.2	1016.1	877.6
100°	118.4	135.2	151.9	216.6	361.8	643.2	1008.3	1287.4	1373.4	1318.7	1203.7
102.5°	138.5	154.6	170.8	226.7	342.8	569.5	902.2	1240.5	1448.2	1504.0	1463.9
105°	160.8	176.4	192.1	241.2	340.6	527.0	809.5	1130.0	1398.0	1550.9	1600.1
107.5°	185.4	199.4	213.3	261.3	348.4	504.7	740.3	1025.0	1295.2	1497.3	1615.7
110°	208.8	223.3	237.8	283.6	360.7	495.8	694.5	937.9	1179.1	1391.3	1548.7

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	233.4	247.4	261.3	304.8	376.3	495.8	667.7	873.2	1087.6	1286.3	1446.0
115°	257.9	271.8	285.8	327.2	391.9	499.1	649.9	829.6	1013.9	1186.9	1339.9
117.5°	283.6	297.0	310.4	349.5	409.8	504.7	639.8	800.6	962.5	1115.5	1249.5
120°	307.1	321.0	335.0	374.1	427.7	513.6	633.1	777.1	922.3	1056.3	1179.1
122.5°	330.5	344.4	358.4	397.5	447.8	521.4	627.5	757.0	892.2	1013.9	1119.9
125°	351.7	366.2	380.8	417.6	465.6	530.4	623.1	739.2	863.1	977.0	1074.2
127.5°	372.9	387.4	402.0	437.7	482.4	540.4	620.8	722.4	833.0	941.3	1032.8
130°	393.0	407.6	422.1	456.7	499.1	549.4	618.6	705.7	805.1	903.3	990.4
132.5°	410.9	425.4	439.9	474.6	513.6	559.4	618.6	692.3	777.1	867.6	944.6
135°	425.4	440.5	455.6	490.2	527.0	568.3	618.6	682.2	753.7	830.7	902.2
137.5°	438.8	454.4	470.1	501.3	537.1	577.3	619.7	672.2	732.5	797.2	858.7
140°	451.1	466.2	481.3	513.6	547.1	582.9	620.8	665.5	715.7	768.2	819.6
142.5°	463.4	477.4	491.3	521.4	552.7	586.2	621.9	659.9	701.2	743.6	786.1
145°	475.7	488.5	501.3	530.4	558.3	588.4	620.8	654.3	688.9	723.6	758.2
147.5°	486.8	498.6	510.3	536.0	561.6	589.6	618.6	648.7	676.7	705.7	733.6
150°	498.0	507.5	517.0	541.5	565.0	589.6	615.2	642.0	666.6	691.2	712.4
152.5°	508.0	516.4	524.8	547.1	567.2	588.4	610.8	634.2	655.4	676.7	695.6
155°	515.9	523.7	531.5	550.5	568.3	586.2	605.2	625.3	644.3	662.1	677.8
157.5°	524.8	531.0	537.1	553.8	569.5	584.0	599.6	617.5	633.1	648.7	661.0
160°	531.5	536.5	541.5	556.1	569.5	580.6	594.0	607.4	621.9	633.1	644.3
162.5°	538.2	542.1	546.0	558.3	568.3	577.3	587.3	598.5	609.7	619.7	628.6
165°	542.7	546.0	549.4	558.3	567.2	573.9	580.6	589.6	598.5	606.3	613.0
167.5°	546.0	548.2	550.5	558.3	565.0	568.3	573.9	580.6	587.3	592.9	598.5
170°	549.4	551.0	552.7	558.3	562.8	565.0	568.3	572.8	578.4	581.7	585.1
172.5°	551.6	552.2	552.7	557.2	560.5	560.5	561.6	565.0	568.3	571.7	573.9
175°	552.7	552.7	552.7	556.1	558.3	557.2	557.2	558.3	561.6	561.6	563.9
177.5°	552.7	552.7	552.7	554.9	556.1	553.8	553.8	554.9	556.1	557.2	557.2
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-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°	23.5	24.6	24.6	24.6	25.7	25.7	25.7	24.6	24.6	24.6	23.5
92.5°	118.9	108.3	90.4	87.1	84.9	82.6	84.9	87.1	90.4	108.3	118.9
95°	448.9	402.0	322.7	289.2	280.3	262.4	280.3	289.2	322.7	402.0	448.9
97.5°	810.6	743.6	676.7	618.6	588.4	575.0	588.4	618.6	676.7	743.6	810.6
100°	1145.6	1087.6	1010.5	930.1	888.8	870.9	888.8	930.1	1010.5	1087.6	1145.6
102.5°	1429.2	1394.6	1310.9	1259.5	1213.7	1201.5	1213.7	1259.5	1310.9	1394.6	1429.2
105°	1593.9	1587.8	1552.1	1515.2	1492.9	1479.5	1492.9	1515.2	1552.1	1587.8	1593.9
107.5°	1640.2	1664.8	1674.9	1669.3	1658.1	1647.0	1658.1	1669.3	1674.9	1664.8	1640.2
110°	1596.2	1643.6	1693.9	1715.1	1722.9	1722.9	1722.9	1715.1	1693.9	1643.6	1596.2

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1504.0	1562.1	1641.4	1681.6	1703.9	1714.0	1703.9	1681.6	1641.4	1562.1	1504.0
115°	1400.8	1461.6	1548.7	1602.3	1633.6	1648.1	1633.6	1602.3	1548.7	1461.6	1400.8
117.5°	1307.0	1364.5	1452.7	1508.5	1539.8	1548.7	1539.8	1508.5	1452.7	1364.5	1307.0
120°	1228.2	1277.4	1360.0	1413.6	1443.8	1452.7	1443.8	1413.6	1360.0	1277.4	1228.2
122.5°	1165.2	1210.4	1281.8	1329.9	1360.0	1367.8	1360.0	1329.9	1281.8	1210.4	1165.2
125°	1114.4	1154.6	1217.1	1262.9	1287.4	1298.6	1287.4	1262.9	1217.1	1154.6	1114.4
127.5°	1070.8	1108.8	1165.7	1207.0	1230.5	1234.9	1230.5	1207.0	1165.7	1108.8	1070.8
130°	1026.7	1063.0	1118.8	1155.7	1178.0	1184.7	1178.0	1155.7	1118.8	1063.0	1026.7
132.5°	979.2	1013.9	1069.7	1106.5	1126.6	1134.5	1126.6	1106.5	1069.7	1013.9	979.2
135°	934.0	965.9	1015.0	1051.8	1071.9	1078.6	1071.9	1051.8	1015.0	965.9	934.0
137.5°	886.6	914.5	959.2	993.8	1012.7	1020.6	1012.7	993.8	959.2	914.5	886.6
140°	843.0	866.5	907.8	936.8	953.6	959.2	953.6	936.8	907.8	866.5	843.0
142.5°	805.7	825.2	858.7	882.1	897.7	902.2	897.7	882.1	858.7	825.2	805.7
145°	773.2	788.3	815.1	834.1	846.4	850.8	846.4	834.1	815.1	788.3	773.2
147.5°	745.3	757.0	779.4	795.0	802.8	805.1	802.8	795.0	779.4	757.0	745.3
150°	722.4	732.5	749.2	762.6	767.1	768.2	767.1	762.6	749.2	732.5	722.4
152.5°	702.9	710.2	723.6	733.6	738.1	739.2	738.1	733.6	723.6	710.2	702.9
155°	684.0	690.1	701.2	709.0	712.4	713.5	712.4	709.0	701.2	690.1	684.0
157.5°	666.0	671.1	680.0	686.7	690.1	690.1	690.1	686.7	680.0	671.1	666.0
160°	648.2	652.1	659.9	665.5	667.7	666.6	667.7	665.5	659.9	652.1	648.2
162.5°	632.0	635.3	640.9	645.4	645.4	645.4	645.4	645.4	640.9	635.3	632.0
165°	615.8	618.6	623.1	625.3	625.3	625.3	625.3	625.3	623.1	618.6	615.8
167.5°	600.8	603.0	605.2	607.4	606.3	606.3	606.3	607.4	605.2	603.0	600.8
170°	586.2	587.3	589.6	590.7	590.7	589.6	590.7	590.7	589.6	587.3	586.2
172.5°	574.4	575.0	575.0	577.3	575.0	573.9	575.0	577.3	575.0	575.0	574.4
175°	563.9	563.9	563.9	565.0	562.8	561.6	562.8	565.0	563.9	563.9	563.9
177.5°	557.2	557.2	556.1	557.2	553.8	553.8	553.8	557.2	556.1	557.2	557.2
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

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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°	22.3	21.2	20.1	19.0	17.9	15.6	14.5	12.3	11.2	10.0	8.9
92.5°	129.5	174.2	242.3	359.5	445.5	453.3	314.9	187.6	111.7	91.6	71.5
95°	495.8	633.1	802.8	968.1	989.3	807.3	499.1	253.5	134.0	108.8	83.7
97.5°	877.6	1016.1	1151.2	1209.3	1068.6	740.3	407.6	218.9	136.2	117.8	99.4
100°	1203.7	1318.7	1373.4	1287.4	1008.3	643.2	361.8	216.6	151.9	135.2	118.4
102.5°	1463.9	1504.0	1448.2	1240.5	902.2	569.5	342.8	226.7	170.8	154.6	138.5
105°	1600.1	1550.9	1398.0	1130.0	809.5	527.0	340.6	241.2	192.1	176.4	160.8
107.5°	1615.7	1497.3	1295.2	1025.0	740.3	504.7	348.4	261.3	213.3	199.4	185.4
110°	1548.7	1391.3	1179.1	937.9	694.5	495.8	360.7	283.6	237.8	223.3	208.8

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1446.0	1286.3	1087.6	873.2	667.7	495.8	376.3	304.8	261.3	247.4	233.4
115°	1339.9	1186.9	1013.9	829.6	649.9	499.1	391.9	327.2	285.8	271.8	257.9
117.5°	1249.5	1115.5	962.5	800.6	639.8	504.7	409.8	349.5	310.4	297.0	283.6
120°	1179.1	1056.3	922.3	777.1	633.1	513.6	427.7	374.1	335.0	321.0	307.1
122.5°	1119.9	1013.9	892.2	757.0	627.5	521.4	447.8	397.5	358.4	344.4	330.5
125°	1074.2	977.0	863.1	739.2	623.1	530.4	465.6	417.6	380.8	366.2	351.7
127.5°	1032.8	941.3	833.0	722.4	620.8	540.4	482.4	437.7	402.0	387.4	372.9
130°	990.4	903.3	805.1	705.7	618.6	549.4	499.1	456.7	422.1	407.6	393.0
132.5°	944.6	867.6	777.1	692.3	618.6	559.4	513.6	474.6	439.9	425.4	410.9
135°	902.2	830.7	753.7	682.2	618.6	568.3	527.0	490.2	455.6	440.5	425.4
137.5°	858.7	797.2	732.5	672.2	619.7	577.3	537.1	501.3	470.1	454.4	438.8
140°	819.6	768.2	715.7	665.5	620.8	582.9	547.1	513.6	481.3	466.2	451.1
142.5°	786.1	743.6	701.2	659.9	621.9	586.2	552.7	521.4	491.3	477.4	463.4
145°	758.2	723.6	688.9	654.3	620.8	588.4	558.3	530.4	501.3	488.5	475.7
147.5°	733.6	705.7	676.7	648.7	618.6	589.6	561.6	536.0	510.3	498.6	486.8
150°	712.4	691.2	666.6	642.0	615.2	589.6	565.0	541.5	517.0	507.5	498.0
152.5°	695.6	676.7	655.4	634.2	610.8	588.4	567.2	547.1	524.8	516.4	508.0
155°	677.8	662.1	644.3	625.3	605.2	586.2	568.3	550.5	531.5	523.7	515.9
157.5°	661.0	648.7	633.1	617.5	599.6	584.0	569.5	553.8	537.1	531.0	524.8
160°	644.3	633.1	621.9	607.4	594.0	580.6	569.5	556.1	541.5	536.5	531.5
162.5°	628.6	619.7	609.7	598.5	587.3	577.3	568.3	558.3	546.0	542.1	538.2
165°	613.0	606.3	598.5	589.6	580.6	573.9	567.2	558.3	549.4	546.0	542.7
167.5°	598.5	592.9	587.3	580.6	573.9	568.3	565.0	558.3	550.5	548.2	546.0
170°	585.1	581.7	578.4	572.8	568.3	565.0	562.8	558.3	552.7	551.0	549.4
172.5°	573.9	571.7	568.3	565.0	561.6	560.5	560.5	557.2	552.7	552.2	551.6
175°	563.9	561.6	561.6	558.3	557.2	557.2	558.3	556.1	552.7	552.7	552.7
177.5°	557.2	557.2	556.1	554.9	553.8	553.8	556.1	554.9	552.7	552.7	552.7
180°	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8	553.8

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-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°	6.7	4.5	2.2	1.1
92.5°	48.0	31.3	20.1	16.7
95°	59.2	46.9	38.0	36.8
97.5°	77.0	64.8	58.1	56.9
100°	97.1	84.9	80.4	78.2
102.5°	119.5	106.1	102.7	101.6
105°	142.9	131.8	126.2	126.2
107.5°	166.4	157.4	151.9	149.6
110°	192.1	182.0	177.5	175.3

TEST NUMBER: P1028053

CATALOG NUMBER: S125DIP-B610D1270UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	216.6	206.6	203.2	201.0
115°	241.2	231.1	227.8	225.6
117.5°	264.6	254.6	251.2	247.9
120°	288.1	278.0	273.6	270.2
122.5°	309.3	299.2	295.9	293.7
125°	330.5	320.5	314.9	312.6
127.5°	350.6	338.3	331.6	328.3
130°	369.6	355.1	346.1	342.8
132.5°	386.3	369.6	358.4	354.0
135°	402.0	384.1	370.7	366.2
137.5°	415.4	397.5	385.2	381.9
140°	429.9	412.0	398.6	395.3
142.5°	443.3	425.4	413.1	410.9
145°	455.6	439.9	428.8	426.5
147.5°	469.0	454.5	444.4	443.3
150°	482.4	467.9	460.0	457.8
152.5°	493.5	481.3	474.6	473.4
155°	504.7	493.5	486.8	486.8
157.5°	514.7	504.7	499.1	499.1
160°	522.6	514.7	510.3	511.4
162.5°	531.5	524.8	520.3	521.4
165°	538.2	532.6	529.3	531.5
167.5°	542.7	539.3	537.1	538.2
170°	547.1	544.9	543.8	544.9
172.5°	550.5	548.2	547.1	549.4
175°	552.7	551.6	550.5	552.7
177.5°	553.8	552.7	552.7	554.9
180°	553.8	553.8	553.8	553.8

(END OF REPORT)