

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: P1028008

Luminaire Tested: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028008
REPORT IS A COMBINATION OF REPORTS P1002172 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D1090UB50-4F0-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

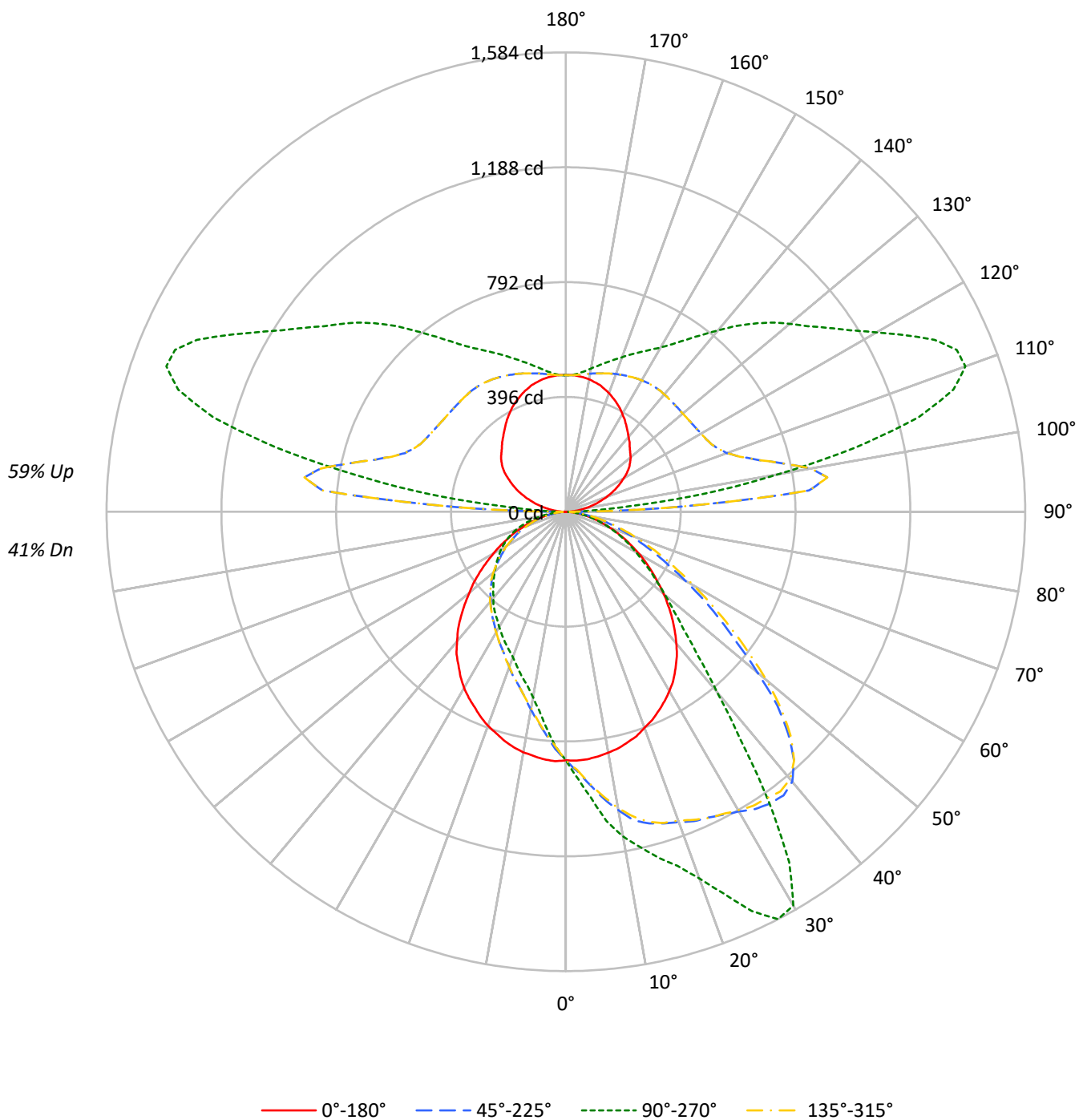
Lumens per Lamp: N/A
Luminaire Lumens: 5961.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 52.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41		
1	96	92	88	85	87	84	81	78	69	66	64	55	53	52	42	41	40	35		
2	87	80	74	69	79	73	68	64	60	57	54	48	46	44	37	36	34	29		
3	80	71	64	58	72	65	58	54	53	49	45	43	40	37	33	31	29	25		
4	73	63	55	49	66	57	51	45	47	42	39	38	35	32	30	27	25	21		
5	67	56	48	42	61	51	44	39	42	37	33	34	31	28	27	24	22	19		
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	22	20	16		
7	57	45	37	32	52	41	35	30	35	29	25	28	24	21	22	19	17	15		
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	16	13		
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12		
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13	11		

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	1.4
10°-20°	245.7	4.1
20°-30°	399.2	6.7
30°-40°	487.9	8.2
40°-50°	442.5	7.4
50°-60°	352.5	5.9
60°-70°	245.5	4.1
70°-80°	130.8	2.2
80°-90°	34.3	0.6
90°-100°	342.8	5.8
100°-110°	739.3	12.4
110°-120°	689.3	11.6
120°-130°	558.3	9.4
130°-140°	448.3	7.5
140°-150°	338.1	5.7
150°-160°	238.1	4.0
160°-170°	140.3	2.4
170°-180°	45.6	0.8
0°-30°	727.4	12.2
0°-40°	1215.3	20.4
0°-60°	2010.3	33.7
0°-90°	2420.9	40.6
90°-120°	1771.4	29.7
90°-150°	3116.1	52.3
90°-180°	3540.0	59.4
0°-180°	5961.0	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	22	1	22	1	4
95°	31	223	31	223	31	33
105°	107	1259	107	1259	107	113
115°	192	1403	192	1403	192	189
125°	266	1105	266	1105	266	236
135°	312	918	312	918	312	242
145°	363	724	363	724	363	228
155°	414	607	414	607	414	191
165°	452	532	452	532	452	127
175°	470	478	470	478	470	45
180°	471	471	471	471	471	

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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°	1.0	1.9	3.8	5.7	7.6	8.6	9.5	10.5	12.4	13.3	15.2
92.5°	14.3	17.1	26.6	40.9	60.8	77.9	95.0	159.6	268.0	385.8	379.2
95°	31.4	32.3	39.9	50.4	71.3	92.6	114.0	215.7	424.8	687.0	841.9
97.5°	48.5	49.4	55.1	65.6	84.6	100.2	115.9	186.3	346.8	630.0	909.4
100°	66.5	68.4	72.2	82.7	100.7	115.0	129.2	184.3	307.9	547.3	858.1
102.5°	86.5	87.4	90.3	101.7	117.8	131.6	145.4	192.9	291.7	484.6	767.8
105°	107.4	107.4	112.1	121.6	136.8	150.1	163.4	205.3	289.8	448.5	688.9
107.5°	127.3	129.2	134.0	141.6	157.7	169.6	181.5	222.4	296.5	429.5	630.0
110°	149.2	151.1	154.9	163.4	177.7	190.0	202.4	241.4	306.9	421.9	591.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	171.0	172.9	175.8	184.3	198.6	210.5	222.4	259.4	320.2	421.9	568.3
115°	192.0	193.9	196.7	205.3	219.5	231.4	243.3	278.4	333.5	424.8	553.0
117.5°	211.0	213.8	216.7	225.2	241.4	252.8	264.2	297.4	348.7	429.5	544.5
120°	230.0	232.8	236.6	245.2	261.3	273.2	285.1	318.3	363.9	437.1	538.8
122.5°	249.9	251.8	254.7	263.2	281.3	293.2	305.0	338.3	381.1	443.8	534.0
125°	266.1	268.0	272.7	281.3	299.3	311.6	324.0	355.4	396.3	451.4	530.2
127.5°	279.4	282.2	287.9	298.4	317.4	329.8	342.1	372.5	410.5	459.9	528.3
130°	291.7	294.6	302.2	314.5	334.5	346.8	359.2	388.7	424.8	467.5	526.4
132.5°	301.2	305.0	314.5	328.8	349.7	362.0	374.4	403.9	437.1	476.1	526.4
135°	311.7	315.5	326.9	342.1	362.0	374.8	387.7	417.2	448.5	483.7	526.4
137.5°	325.0	327.8	338.3	353.5	373.5	386.8	400.1	426.7	457.1	491.3	527.4
140°	336.4	339.2	350.6	365.8	383.9	396.8	409.6	437.1	465.6	496.0	528.3
142.5°	349.7	351.6	362.0	377.3	394.4	406.2	418.1	443.8	470.4	498.9	529.3
145°	363.0	364.9	374.4	387.7	404.8	415.8	426.7	451.4	475.1	500.8	528.3
147.5°	377.3	378.2	386.8	399.1	414.3	424.3	434.3	456.1	478.0	501.7	526.4
150°	389.6	391.5	398.2	410.5	423.8	431.9	440.0	460.9	480.8	501.7	523.6
152.5°	402.9	403.9	409.6	420.0	432.4	439.5	446.6	465.6	482.7	500.8	519.8
155°	414.3	414.3	420.0	429.5	439.0	445.6	452.3	468.5	483.7	498.9	515.0
157.5°	424.8	424.8	429.5	438.1	446.6	451.8	457.1	471.3	484.6	497.0	510.3
160°	435.2	434.3	438.1	444.7	452.3	456.6	460.9	473.2	484.6	494.1	505.5
162.5°	443.8	442.8	446.6	452.3	458.0	461.4	464.7	475.1	483.7	491.3	499.8
165°	452.3	450.4	453.3	458.0	461.8	464.6	467.5	475.1	482.7	488.4	494.1
167.5°	458.0	457.1	459.0	461.8	464.7	466.6	468.5	475.1	480.8	483.7	488.4
170°	463.7	462.8	463.7	465.6	467.5	469.0	470.4	475.1	478.9	480.8	483.7
172.5°	467.5	465.6	466.6	468.5	469.4	469.9	470.4	474.2	477.0	477.0	478.0
175°	470.4	468.5	469.4	470.4	470.4	470.4	470.4	473.2	475.1	474.2	474.2
177.5°	472.3	470.4	470.4	471.3	470.4	470.4	470.4	472.3	473.2	471.3	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

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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°	16.2	17.1	18.1	19.0	20.0	20.9	20.9	20.9	21.9	21.9	21.9
92.5°	306.0	206.2	148.2	110.2	101.2	92.2	77.0	74.1	72.2	70.3	72.2
95°	823.9	683.2	538.8	421.9	382.0	342.1	274.6	246.1	238.5	223.3	238.5
97.5°	1029.1	979.7	864.7	746.9	689.9	632.9	575.9	526.4	500.8	489.4	500.8
100°	1095.6	1168.8	1122.3	1024.4	975.0	925.5	860.0	791.6	756.4	741.2	756.4
102.5°	1055.7	1232.5	1280.0	1245.8	1216.4	1186.9	1115.6	1071.9	1032.9	1022.5	1032.9
105°	961.7	1189.7	1319.9	1361.7	1356.5	1351.3	1320.9	1289.5	1270.5	1259.1	1270.5
107.5°	872.3	1102.3	1274.3	1375.0	1395.9	1416.8	1425.4	1420.6	1411.1	1401.6	1411.1
110°	798.2	1003.5	1184.0	1318.0	1358.4	1398.8	1441.5	1459.6	1466.2	1466.2	1466.2

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	743.1	925.5	1094.7	1230.6	1280.0	1329.4	1396.9	1431.1	1450.1	1458.6	1450.1
115°	706.0	862.8	1010.1	1140.3	1192.1	1243.9	1318.0	1363.6	1390.2	1402.6	1390.2
117.5°	681.3	819.1	949.3	1063.3	1112.2	1161.2	1236.3	1283.8	1310.4	1318.0	1310.4
120°	661.4	784.9	898.9	1003.5	1045.3	1087.1	1157.4	1203.0	1228.7	1236.3	1228.7
122.5°	644.3	759.3	862.8	953.1	991.6	1030.1	1090.9	1131.8	1157.4	1164.1	1157.4
125°	629.1	734.5	831.5	914.1	948.4	982.6	1035.8	1074.7	1095.6	1105.1	1095.6
127.5°	614.8	708.9	801.1	879.0	911.3	943.6	992.1	1027.2	1047.2	1051.0	1047.2
130°	600.6	685.1	768.8	842.9	873.8	904.6	952.2	983.5	1002.5	1008.2	1002.5
132.5°	589.2	661.4	738.3	803.9	833.4	862.8	910.3	941.7	958.8	965.5	958.8
135°	580.6	641.4	707.0	767.8	794.9	822.0	863.8	895.1	912.2	917.9	912.2
137.5°	572.1	623.4	678.5	730.7	754.5	778.3	816.3	845.7	861.9	868.5	861.9
140°	566.4	609.1	653.8	697.5	717.4	737.4	772.6	797.3	811.5	816.3	811.5
142.5°	561.6	596.8	632.9	669.0	685.6	702.2	730.7	750.7	764.0	767.8	764.0
145°	556.8	586.3	615.8	645.2	658.0	670.9	693.7	709.8	720.3	724.1	720.3
147.5°	552.1	575.9	600.6	624.3	634.3	644.3	663.3	676.6	683.2	685.1	683.2
150°	546.4	567.3	588.2	606.3	614.8	623.4	637.6	649.0	652.8	653.8	652.8
152.5°	539.7	557.8	575.9	592.0	598.2	604.4	615.8	624.3	628.1	629.1	628.1
155°	532.1	548.3	563.5	576.8	582.0	587.3	596.8	603.4	606.3	607.2	606.3
157.5°	525.5	538.8	552.1	562.6	566.8	571.1	578.7	584.4	587.3	587.3	587.3
160°	516.9	529.3	538.8	548.3	551.6	554.9	561.6	566.4	568.3	567.3	568.3
162.5°	509.3	518.8	527.4	535.0	537.8	540.7	545.4	549.2	549.2	549.2	549.2
165°	501.7	509.3	516.0	521.7	524.0	526.4	530.2	532.1	532.1	532.1	532.1
167.5°	494.1	499.8	504.6	509.3	511.2	513.1	515.0	516.9	516.0	516.0	516.0
170°	487.5	492.2	495.1	497.9	498.8	499.8	501.7	502.7	502.7	501.7	502.7
172.5°	480.8	483.7	486.5	488.4	488.9	489.4	489.4	491.3	489.4	488.4	489.4
175°	475.1	478.0	478.0	479.9	479.9	479.9	479.9	480.8	478.9	478.0	478.9
177.5°	472.3	473.2	474.2	474.2	474.2	474.2	473.2	474.2	471.3	471.3	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-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°	20.9	20.9	20.9	20.0	19.0	18.1	17.1	16.2	15.2	13.3	12.4
92.5°	74.1	77.0	92.2	101.2	110.2	148.2	206.2	306.0	379.2	385.8	268.0
95°	246.1	274.6	342.1	382.0	421.9	538.8	683.2	823.9	841.9	687.0	424.8
97.5°	526.4	575.9	632.9	689.9	746.9	864.7	979.7	1029.1	909.4	630.0	346.8
100°	791.6	860.0	925.5	975.0	1024.4	1122.3	1168.8	1095.6	858.1	547.3	307.9
102.5°	1071.9	1115.6	1186.9	1216.4	1245.8	1280.0	1232.5	1055.7	767.8	484.6	291.7
105°	1289.5	1320.9	1351.3	1356.5	1361.7	1319.9	1189.7	961.7	688.9	448.5	289.8
107.5°	1420.6	1425.4	1416.8	1395.9	1375.0	1274.3	1102.3	872.3	630.0	429.5	296.5
110°	1459.6	1441.5	1398.8	1358.4	1318.0	1184.0	1003.5	798.2	591.1	421.9	306.9

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1431.1	1396.9	1329.4	1280.0	1230.6	1094.7	925.5	743.1	568.3	421.9	320.2
115°	1363.6	1318.0	1243.9	1192.1	1140.3	1010.1	862.8	706.0	553.0	424.8	333.5
117.5°	1283.8	1236.3	1161.2	1112.2	1063.3	949.3	819.1	681.3	544.5	429.5	348.7
120°	1203.0	1157.4	1087.1	1045.3	1003.5	898.9	784.9	661.4	538.8	437.1	363.9
122.5°	1131.8	1090.9	1030.1	991.6	953.1	862.8	759.3	644.3	534.0	443.8	381.1
125°	1074.7	1035.8	982.6	948.4	914.1	831.5	734.5	629.1	530.2	451.4	396.3
127.5°	1027.2	992.1	943.6	911.3	879.0	801.1	708.9	614.8	528.3	459.9	410.5
130°	983.5	952.2	904.6	873.8	842.9	768.8	685.1	600.6	526.4	467.5	424.8
132.5°	941.7	910.3	862.8	833.4	803.9	738.3	661.4	589.2	526.4	476.1	437.1
135°	895.1	863.8	822.0	794.9	767.8	707.0	641.4	580.6	526.4	483.7	448.5
137.5°	845.7	816.3	778.3	754.5	730.7	678.5	623.4	572.1	527.4	491.3	457.1
140°	797.3	772.6	737.4	717.4	697.5	653.8	609.1	566.4	528.3	496.0	465.6
142.5°	750.7	730.7	702.2	685.6	669.0	632.9	596.8	561.6	529.3	498.9	470.4
145°	709.8	693.7	670.9	658.0	645.2	615.8	586.3	556.8	528.3	500.8	475.1
147.5°	676.6	663.3	644.3	634.3	624.3	600.6	575.9	552.1	526.4	501.7	478.0
150°	649.0	637.6	623.4	614.8	606.3	588.2	567.3	546.4	523.6	501.7	480.8
152.5°	624.3	615.8	604.4	598.2	592.0	575.9	557.8	539.7	519.8	500.8	482.7
155°	603.4	596.8	587.3	582.0	576.8	563.5	548.3	532.1	515.0	498.9	483.7
157.5°	584.4	578.7	571.1	566.8	562.6	552.1	538.8	525.5	510.3	497.0	484.6
160°	566.4	561.6	554.9	551.6	548.3	538.8	529.3	516.9	505.5	494.1	484.6
162.5°	549.2	545.4	540.7	537.8	535.0	527.4	518.8	509.3	499.8	491.3	483.7
165°	532.1	530.2	526.4	524.0	521.7	516.0	509.3	501.7	494.1	488.4	482.7
167.5°	516.9	515.0	513.1	511.2	509.3	504.6	499.8	494.1	488.4	483.7	480.8
170°	502.7	501.7	499.8	498.8	497.9	495.1	492.2	487.5	483.7	480.8	478.9
172.5°	491.3	489.4	489.4	488.9	488.4	486.5	483.7	480.8	478.0	477.0	477.0
175°	480.8	479.9	479.9	479.9	479.9	478.0	478.0	475.1	474.2	474.2	475.1
177.5°	474.2	473.2	474.2	474.2	474.2	474.2	473.2	472.3	471.3	471.3	473.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-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°	10.5	9.5	8.6	7.6	5.7	3.8	1.9	1.0	1.9	3.8	5.7
92.5°	159.6	95.0	77.9	60.8	40.9	26.6	17.1	14.3	17.1	26.6	40.9
95°	215.7	114.0	92.6	71.3	50.4	39.9	32.3	31.4	32.3	39.9	50.4
97.5°	186.3	115.9	100.2	84.6	65.6	55.1	49.4	48.5	49.4	55.1	65.6
100°	184.3	129.2	115.0	100.7	82.7	72.2	68.4	66.5	68.4	72.2	82.7
102.5°	192.9	145.4	131.6	117.8	101.7	90.3	87.4	86.5	87.4	90.3	101.7
105°	205.3	163.4	150.1	136.8	121.6	112.1	107.4	107.4	107.4	112.1	121.6
107.5°	222.4	181.5	169.6	157.7	141.6	134.0	129.2	127.3	129.2	134.0	141.6
110°	241.4	202.4	190.0	177.7	163.4	154.9	151.1	149.2	151.1	154.9	163.4

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	259.4	222.4	210.5	198.6	184.3	175.8	172.9	171.0	172.9	175.8	184.3
115°	278.4	243.3	231.4	219.5	205.3	196.7	193.9	192.0	193.9	196.7	205.3
117.5°	297.4	264.2	252.8	241.4	225.2	216.7	213.8	211.0	213.8	216.7	225.2
120°	318.3	285.1	273.2	261.3	245.2	236.6	232.8	230.0	232.8	236.6	245.2
122.5°	338.3	305.0	293.2	281.3	263.2	254.7	251.8	249.9	251.8	254.7	263.2
125°	355.4	324.0	311.6	299.3	281.3	272.7	268.0	266.1	268.0	272.7	281.3
127.5°	372.5	342.1	329.8	317.4	298.4	287.9	282.2	279.4	282.2	287.9	298.4
130°	388.7	359.2	346.8	334.5	314.5	302.2	294.6	291.7	294.6	302.2	314.5
132.5°	403.9	374.4	362.0	349.7	328.8	314.5	305.0	301.2	305.0	314.5	328.8
135°	417.2	387.7	374.8	362.0	342.1	326.9	315.5	311.7	315.5	326.9	342.1
137.5°	426.7	400.1	386.8	373.5	353.5	338.3	327.8	325.0	327.8	338.3	353.5
140°	437.1	409.6	396.8	383.9	365.8	350.6	339.2	336.4	339.2	350.6	365.8
142.5°	443.8	418.1	406.2	394.4	377.3	362.0	351.6	349.7	351.6	362.0	377.3
145°	451.4	426.7	415.8	404.8	387.7	374.4	364.9	363.0	364.9	374.4	387.7
147.5°	456.1	434.3	424.3	414.3	399.1	386.8	378.2	377.3	378.2	386.8	399.1
150°	460.9	440.0	431.9	423.8	410.5	398.2	391.5	389.6	391.5	398.2	410.5
152.5°	465.6	446.6	439.5	432.4	420.0	409.6	403.9	402.9	403.9	409.6	420.0
155°	468.5	452.3	445.6	439.0	429.5	420.0	414.3	414.3	414.3	420.0	429.5
157.5°	471.3	457.1	451.8	446.6	438.1	429.5	424.8	424.8	424.8	429.5	438.1
160°	473.2	460.9	456.6	452.3	444.7	438.1	434.3	435.2	434.3	438.1	444.7
162.5°	475.1	464.7	461.4	458.0	452.3	446.6	442.8	443.8	442.8	446.6	452.3
165°	475.1	467.5	464.6	461.8	458.0	453.3	450.4	452.3	450.4	453.3	458.0
167.5°	475.1	468.5	466.6	464.7	461.8	459.0	457.1	458.0	457.1	459.0	461.8
170°	475.1	470.4	469.0	467.5	465.6	463.7	462.8	463.7	462.8	463.7	465.6
172.5°	474.2	470.4	469.9	469.4	468.5	466.6	465.6	467.5	465.6	466.6	468.5
175°	473.2	470.4	470.4	470.4	470.4	469.4	468.5	470.4	468.5	469.4	470.4
177.5°	472.3	470.4	470.4	470.4	471.3	470.4	470.4	472.3	470.4	470.4	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-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°	7.6	8.6	9.5	10.5	12.4	13.3	15.2	16.2	17.1	18.1	19.0
92.5°	60.8	77.9	95.0	159.6	268.0	385.8	379.2	306.0	206.2	148.2	110.2
95°	71.3	92.6	114.0	215.7	424.8	687.0	841.9	823.9	683.2	538.8	421.9
97.5°	84.6	100.2	115.9	186.3	346.8	630.0	909.4	1029.1	979.7	864.7	746.9
100°	100.7	115.0	129.2	184.3	307.9	547.3	858.1	1095.6	1168.8	1122.3	1024.4
102.5°	117.8	131.6	145.4	192.9	291.7	484.6	767.8	1055.7	1232.5	1280.0	1245.8
105°	136.8	150.1	163.4	205.3	289.8	448.5	688.9	961.7	1189.7	1319.9	1361.7
107.5°	157.7	169.6	181.5	222.4	296.5	429.5	630.0	872.3	1102.3	1274.3	1375.0
110°	177.7	190.0	202.4	241.4	306.9	421.9	591.1	798.2	1003.5	1184.0	1318.0

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	198.6	210.5	222.4	259.4	320.2	421.9	568.3	743.1	925.5	1094.7	1230.6
115°	219.5	231.4	243.3	278.4	333.5	424.8	553.0	706.0	862.8	1010.1	1140.3
117.5°	241.4	252.8	264.2	297.4	348.7	429.5	544.5	681.3	819.1	949.3	1063.3
120°	261.3	273.2	285.1	318.3	363.9	437.1	538.8	661.4	784.9	898.9	1003.5
122.5°	281.3	293.2	305.0	338.3	381.1	443.8	534.0	644.3	759.3	862.8	953.1
125°	299.3	311.6	324.0	355.4	396.3	451.4	530.2	629.1	734.5	831.5	914.1
127.5°	317.4	329.8	342.1	372.5	410.5	459.9	528.3	614.8	708.9	801.1	879.0
130°	334.5	346.8	359.2	388.7	424.8	467.5	526.4	600.6	685.1	768.8	842.9
132.5°	349.7	362.0	374.4	403.9	437.1	476.1	526.4	589.2	661.4	738.3	803.9
135°	362.0	374.8	387.7	417.2	448.5	483.7	526.4	580.6	641.4	707.0	767.8
137.5°	373.5	386.8	400.1	426.7	457.1	491.3	527.4	572.1	623.4	678.5	730.7
140°	383.9	396.8	409.6	437.1	465.6	496.0	528.3	566.4	609.1	653.8	697.5
142.5°	394.4	406.2	418.1	443.8	470.4	498.9	529.3	561.6	596.8	632.9	669.0
145°	404.8	415.8	426.7	451.4	475.1	500.8	528.3	556.8	586.3	615.8	645.2
147.5°	414.3	424.3	434.3	456.1	478.0	501.7	526.4	552.1	575.9	600.6	624.3
150°	423.8	431.9	440.0	460.9	480.8	501.7	523.6	546.4	567.3	588.2	606.3
152.5°	432.4	439.5	446.6	465.6	482.7	500.8	519.8	539.7	557.8	575.9	592.0
155°	439.0	445.6	452.3	468.5	483.7	498.9	515.0	532.1	548.3	563.5	576.8
157.5°	446.6	451.8	457.1	471.3	484.6	497.0	510.3	525.5	538.8	552.1	562.6
160°	452.3	456.6	460.9	473.2	484.6	494.1	505.5	516.9	529.3	538.8	548.3
162.5°	458.0	461.4	464.7	475.1	483.7	491.3	499.8	509.3	518.8	527.4	535.0
165°	461.8	464.6	467.5	475.1	482.7	488.4	494.1	501.7	509.3	516.0	521.7
167.5°	464.7	466.6	468.5	475.1	480.8	483.7	488.4	494.1	499.8	504.6	509.3
170°	467.5	469.0	470.4	475.1	478.9	480.8	483.7	487.5	492.2	495.1	497.9
172.5°	469.4	469.9	470.4	474.2	477.0	477.0	478.0	480.8	483.7	486.5	488.4
175°	470.4	470.4	470.4	473.2	475.1	474.2	474.2	475.1	478.0	478.0	479.9
177.5°	470.4	470.4	470.4	472.3	473.2	471.3	471.3	472.3	473.2	474.2	474.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-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°	20.0	20.9	20.9	20.9	21.9	21.9	21.9	20.9	20.9	20.9	20.0
92.5°	101.2	92.2	77.0	74.1	72.2	70.3	72.2	74.1	77.0	92.2	101.2
95°	382.0	342.1	274.6	246.1	238.5	223.3	238.5	246.1	274.6	342.1	382.0
97.5°	689.9	632.9	575.9	526.4	500.8	489.4	500.8	526.4	575.9	632.9	689.9
100°	975.0	925.5	860.0	791.6	756.4	741.2	756.4	791.6	860.0	925.5	975.0
102.5°	1216.4	1186.9	1115.6	1071.9	1032.9	1022.5	1032.9	1071.9	1115.6	1186.9	1216.4
105°	1356.5	1351.3	1320.9	1289.5	1270.5	1259.1	1270.5	1289.5	1320.9	1351.3	1356.5
107.5°	1395.9	1416.8	1425.4	1420.6	1411.1	1401.6	1411.1	1420.6	1425.4	1416.8	1395.9
110°	1358.4	1398.8	1441.5	1459.6	1466.2	1466.2	1466.2	1459.6	1441.5	1398.8	1358.4



TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1280.0	1329.4	1396.9	1431.1	1450.1	1458.6	1450.1	1431.1	1396.9	1329.4	1280.0
115°	1192.1	1243.9	1318.0	1363.6	1390.2	1402.6	1390.2	1363.6	1318.0	1243.9	1192.1
117.5°	1112.2	1161.2	1236.3	1283.8	1310.4	1318.0	1310.4	1283.8	1236.3	1161.2	1112.2
120°	1045.3	1087.1	1157.4	1203.0	1228.7	1236.3	1228.7	1203.0	1157.4	1087.1	1045.3
122.5°	991.6	1030.1	1090.9	1131.8	1157.4	1164.1	1157.4	1131.8	1090.9	1030.1	991.6
125°	948.4	982.6	1035.8	1074.7	1095.6	1105.1	1095.6	1074.7	1035.8	982.6	948.4
127.5°	911.3	943.6	992.1	1027.2	1047.2	1051.0	1047.2	1027.2	992.1	943.6	911.3
130°	873.8	904.6	952.2	983.5	1002.5	1008.2	1002.5	983.5	952.2	904.6	873.8
132.5°	833.4	862.8	910.3	941.7	958.8	965.5	958.8	941.7	910.3	862.8	833.4
135°	794.9	822.0	863.8	895.1	912.2	917.9	912.2	895.1	863.8	822.0	794.9
137.5°	754.5	778.3	816.3	845.7	861.9	868.5	861.9	845.7	816.3	778.3	754.5
140°	717.4	737.4	772.6	797.3	811.5	816.3	811.5	797.3	772.6	737.4	717.4
142.5°	685.6	702.2	730.7	750.7	764.0	767.8	764.0	750.7	730.7	702.2	685.6
145°	658.0	670.9	693.7	709.8	720.3	724.1	720.3	709.8	693.7	670.9	658.0
147.5°	634.3	644.3	663.3	676.6	683.2	685.1	683.2	676.6	663.3	644.3	634.3
150°	614.8	623.4	637.6	649.0	652.8	653.8	652.8	649.0	637.6	623.4	614.8
152.5°	598.2	604.4	615.8	624.3	628.1	629.1	628.1	624.3	615.8	604.4	598.2
155°	582.0	587.3	596.8	603.4	606.3	607.2	606.3	603.4	596.8	587.3	582.0
157.5°	566.8	571.1	578.7	584.4	587.3	587.3	587.3	584.4	578.7	571.1	566.8
160°	551.6	554.9	561.6	566.4	568.3	567.3	568.3	566.4	561.6	554.9	551.6
162.5°	537.8	540.7	545.4	549.2	549.2	549.2	549.2	549.2	545.4	540.7	537.8
165°	524.0	526.4	530.2	532.1	532.1	532.1	532.1	532.1	530.2	526.4	524.0
167.5°	511.2	513.1	515.0	516.9	516.0	516.0	516.0	516.9	515.0	513.1	511.2
170°	498.8	499.8	501.7	502.7	502.7	501.7	502.7	502.7	501.7	499.8	498.8
172.5°	488.9	489.4	489.4	491.3	489.4	488.4	489.4	491.3	489.4	489.4	488.9
175°	479.9	479.9	479.9	480.8	478.9	478.0	478.9	480.8	479.9	479.9	479.9
177.5°	474.2	474.2	473.2	474.2	471.3	471.3	471.3	474.2	473.2	474.2	474.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-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°	19.0	18.1	17.1	16.2	15.2	13.3	12.4	10.5	9.5	8.6	7.6
92.5°	110.2	148.2	206.2	306.0	379.2	385.8	268.0	159.6	95.0	77.9	60.8
95°	421.9	538.8	683.2	823.9	841.9	687.0	424.8	215.7	114.0	92.6	71.3
97.5°	746.9	864.7	979.7	1029.1	909.4	630.0	346.8	186.3	115.9	100.2	84.6
100°	1024.4	1122.3	1168.8	1095.6	858.1	547.3	307.9	184.3	129.2	115.0	100.7
102.5°	1245.8	1280.0	1232.5	1055.7	767.8	484.6	291.7	192.9	145.4	131.6	117.8
105°	1361.7	1319.9	1189.7	961.7	688.9	448.5	289.8	205.3	163.4	150.1	136.8
107.5°	1375.0	1274.3	1102.3	872.3	630.0	429.5	296.5	222.4	181.5	169.6	157.7
110°	1318.0	1184.0	1003.5	798.2	591.1	421.9	306.9	241.4	202.4	190.0	177.7

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1230.6	1094.7	925.5	743.1	568.3	421.9	320.2	259.4	222.4	210.5	198.6
115°	1140.3	1010.1	862.8	706.0	553.0	424.8	333.5	278.4	243.3	231.4	219.5
117.5°	1063.3	949.3	819.1	681.3	544.5	429.5	348.7	297.4	264.2	252.8	241.4
120°	1003.5	898.9	784.9	661.4	538.8	437.1	363.9	318.3	285.1	273.2	261.3
122.5°	953.1	862.8	759.3	644.3	534.0	443.8	381.1	338.3	305.0	293.2	281.3
125°	914.1	831.5	734.5	629.1	530.2	451.4	396.3	355.4	324.0	311.6	299.3
127.5°	879.0	801.1	708.9	614.8	528.3	459.9	410.5	372.5	342.1	329.8	317.4
130°	842.9	768.8	685.1	600.6	526.4	467.5	424.8	388.7	359.2	346.8	334.5
132.5°	803.9	738.3	661.4	589.2	526.4	476.1	437.1	403.9	374.4	362.0	349.7
135°	767.8	707.0	641.4	580.6	526.4	483.7	448.5	417.2	387.7	374.8	362.0
137.5°	730.7	678.5	623.4	572.1	527.4	491.3	457.1	426.7	400.1	386.8	373.5
140°	697.5	653.8	609.1	566.4	528.3	496.0	465.6	437.1	409.6	396.8	383.9
142.5°	669.0	632.9	596.8	561.6	529.3	498.9	470.4	443.8	418.1	406.2	394.4
145°	645.2	615.8	586.3	556.8	528.3	500.8	475.1	451.4	426.7	415.8	404.8
147.5°	624.3	600.6	575.9	552.1	526.4	501.7	478.0	456.1	434.3	424.3	414.3
150°	606.3	588.2	567.3	546.4	523.6	501.7	480.8	460.9	440.0	431.9	423.8
152.5°	592.0	575.9	557.8	539.7	519.8	500.8	482.7	465.6	446.6	439.5	432.4
155°	576.8	563.5	548.3	532.1	515.0	498.9	483.7	468.5	452.3	445.6	439.0
157.5°	562.6	552.1	538.8	525.5	510.3	497.0	484.6	471.3	457.1	451.8	446.6
160°	548.3	538.8	529.3	516.9	505.5	494.1	484.6	473.2	460.9	456.6	452.3
162.5°	535.0	527.4	518.8	509.3	499.8	491.3	483.7	475.1	464.7	461.4	458.0
165°	521.7	516.0	509.3	501.7	494.1	488.4	482.7	475.1	467.5	464.6	461.8
167.5°	509.3	504.6	499.8	494.1	488.4	483.7	480.8	475.1	468.5	466.6	464.7
170°	497.9	495.1	492.2	487.5	483.7	480.8	478.9	475.1	470.4	469.0	467.5
172.5°	488.4	486.5	483.7	480.8	478.0	477.0	477.0	474.2	470.4	469.9	469.4
175°	479.9	478.0	478.0	475.1	474.2	474.2	475.1	473.2	470.4	470.4	470.4
177.5°	474.2	474.2	473.2	472.3	471.3	471.3	473.2	472.3	470.4	470.4	470.4
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-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°	5.7	3.8	1.9	1.0
92.5°	40.9	26.6	17.1	14.3
95°	50.4	39.9	32.3	31.4
97.5°	65.6	55.1	49.4	48.5
100°	82.7	72.2	68.4	66.5
102.5°	101.7	90.3	87.4	86.5
105°	121.6	112.1	107.4	107.4
107.5°	141.6	134.0	129.2	127.3
110°	163.4	154.9	151.1	149.2

TEST NUMBER: P1028008

CATALOG NUMBER: S125DIP-B610D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	184.3	175.8	172.9	171.0
115°	205.3	196.7	193.9	192.0
117.5°	225.2	216.7	213.8	211.0
120°	245.2	236.6	232.8	230.0
122.5°	263.2	254.7	251.8	249.9
125°	281.3	272.7	268.0	266.1
127.5°	298.4	287.9	282.2	279.4
130°	314.5	302.2	294.6	291.7
132.5°	328.8	314.5	305.0	301.2
135°	342.1	326.9	315.5	311.7
137.5°	353.5	338.3	327.8	325.0
140°	365.8	350.6	339.2	336.4
142.5°	377.3	362.0	351.6	349.7
145°	387.7	374.4	364.9	363.0
147.5°	399.1	386.8	378.2	377.3
150°	410.5	398.2	391.5	389.6
152.5°	420.0	409.6	403.9	402.9
155°	429.5	420.0	414.3	414.3
157.5°	438.1	429.5	424.8	424.8
160°	444.7	438.1	434.3	435.2
162.5°	452.3	446.6	442.8	443.8
165°	458.0	453.3	450.4	452.3
167.5°	461.8	459.0	457.1	458.0
170°	465.6	463.7	462.8	463.7
172.5°	468.5	466.6	465.6	467.5
175°	470.4	469.4	468.5	470.4
177.5°	471.3	470.4	470.4	472.3
180°	471.3	471.3	471.3	471.3

(END OF REPORT)