

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: P1028141

Luminaire Tested: S125DIP-B610D610UB50-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028141
REPORT IS A COMBINATION OF REPORTS P1002350 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D610UB50-4F0-XX-W2A-A
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

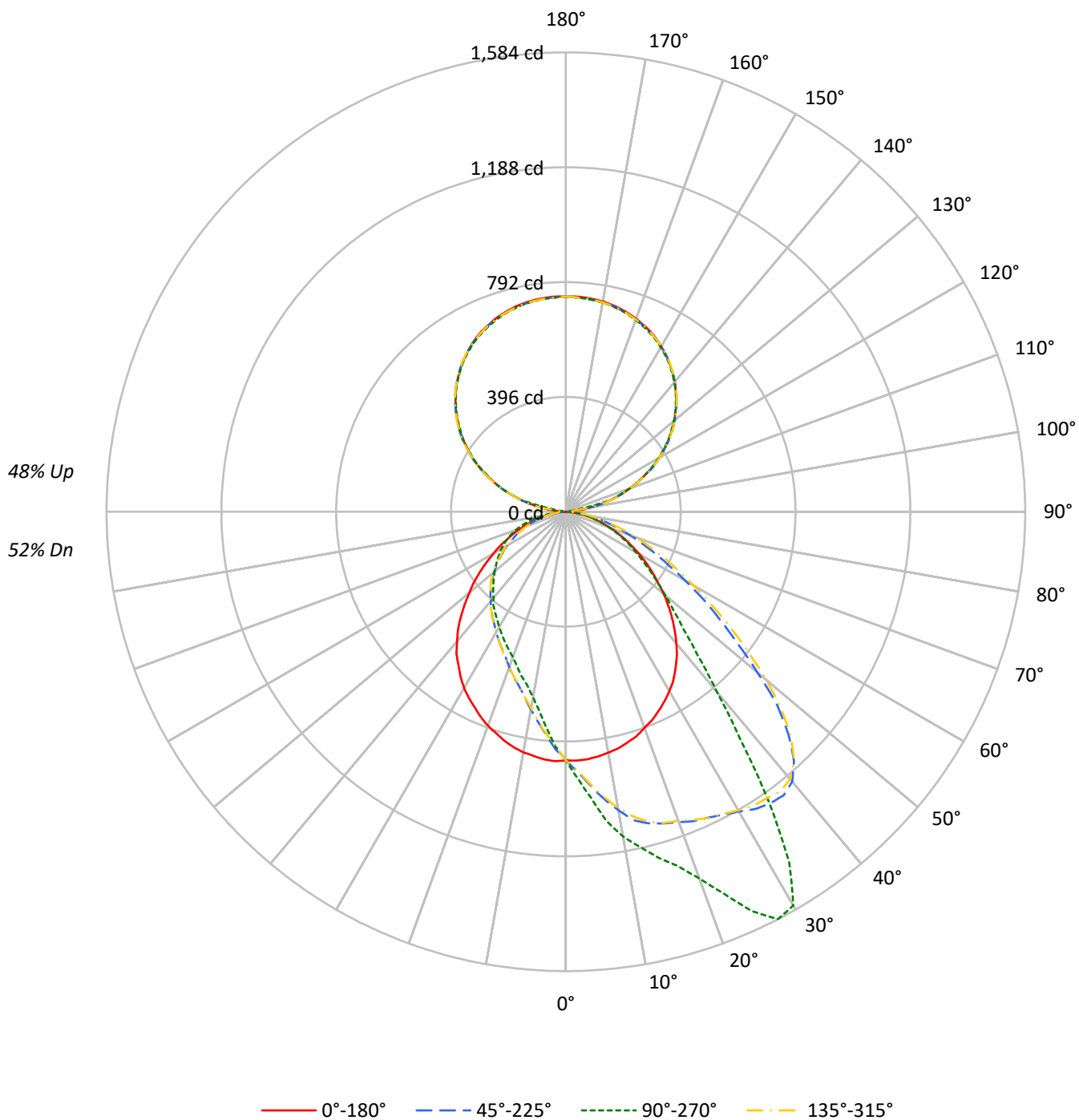
Lumens per Lamp: N/A
Luminaire Lumens: 4698.0 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	58	58	58
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	49	49	44
2	90	82	76	71	83	76	71	67	65	61	58	55	52	50	45	43	42	42	42	37
3	82	73	65	60	76	67	61	56	58	53	49	49	45	42	40	38	36	36	36	32
4	75	64	57	51	69	60	53	48	51	46	42	43	40	36	36	33	31	31	31	27
5	69	57	49	43	64	53	46	41	46	40	36	39	35	32	33	29	27	27	27	24
6	64	52	43	38	59	48	41	36	41	36	32	35	31	28	30	26	24	24	24	21
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	24	21	21	21	19
8	55	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	19	19	17
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	20	17	17	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	15	15	14

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	1.8
10°-20°	245.7	5.2
20°-30°	399.2	8.5
30°-40°	487.9	10.4
40°-50°	442.5	9.4
50°-60°	352.5	7.5
60°-70°	245.5	5.2
70°-80°	130.8	2.8
80°-90°	33.5	0.7
90°-100°	25.2	0.5
100°-110°	167.4	3.6
110°-120°	301.4	6.4
120°-130°	386.9	8.2
130°-140°	416.1	8.9
140°-150°	390.5	8.3
150°-160°	315.9	6.7
160°-170°	204.3	4.3
170°-180°	70.5	1.5
0°-30°	727.4	15.5
0°-40°	1215.3	25.9
0°-60°	2010.3	42.8
0°-90°	2420.1	51.5
90°-120°	493.9	10.5
90°-150°	1687.3	35.9
90°-180°	2278.0	48.5
0°-180°	4698.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	857	857	857	857	857	
5°	856	989	857	750	856	81
15°	823	1235	818	588	823	232
25°	758	1519	744	496	758	349
35°	659	1220	646	425	659	412
45°	518	575	512	353	518	399
55°	365	354	362	288	365	326
65°	226	218	222	223	226	224
75°	109	107	108	138	109	116
85°	22	24	21	34	22	26
90°	0	13	0	13	0	3
95°	31	12	31	12	31	38
105°	162	163	162	163	162	171
115°	303	301	303	301	303	301
125°	432	432	432	432	432	385
135°	538	536	538	536	538	415
145°	624	622	624	622	624	390
155°	687	682	687	682	687	317
165°	725	721	725	721	725	205
175°	742	738	742	738	742	71
180°	742	742	742	742	742	

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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°	0.5	1.5	2.5	3.4	4.4	4.9	5.3	6.2	7.1	7.9	8.8
92.5°	10.4	9.3	8.2	7.1	6.0	5.5	5.9	6.6	7.3	8.1	8.8
95°	31.3	30.9	30.6	30.2	29.9	29.7	27.4	22.7	18.1	13.4	8.8
97.5°	58.8	59.5	60.3	61.0	61.7	62.1	56.3	44.7	33.1	21.5	9.9
100°	91.8	92.2	92.6	92.9	93.3	93.5	93.7	94.2	94.7	95.1	95.6
102.5°	125.3	125.8	126.3	126.8	127.3	127.5	127.6	127.9	128.1	128.4	128.6
105°	161.6	162.1	162.6	163.1	163.6	163.8	163.8	163.8	163.8	163.8	163.8
107.5°	199.0	199.0	199.0	199.0	199.0	199.0	199.1	199.4	199.6	199.9	200.1
110°	235.3	235.3	235.3	235.3	235.3	235.3	235.4	235.7	235.9	236.2	236.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	269.4	269.8	270.1	270.5	270.8	271.0	271.1	271.2	271.3	271.5	271.6
115°	303.4	304.0	304.6	305.3	305.9	306.2	306.3	306.4	306.5	306.6	306.7
117.5°	339.2	339.2	339.2	339.2	339.2	339.2	339.4	339.9	340.4	340.9	341.4
120°	372.2	372.1	371.9	371.8	371.7	371.6	371.8	372.2	372.5	372.9	373.3
122.5°	401.3	401.9	402.5	403.1	403.7	404.0	404.1	404.2	404.3	404.5	404.6
125°	431.5	432.4	433.2	434.1	435.0	435.4	435.4	435.4	435.4	435.4	435.4
127.5°	460.7	461.3	461.9	462.5	463.1	463.4	463.3	463.2	463.1	463.0	462.9
130°	487.0	487.6	488.2	488.9	489.5	489.8	489.9	490.0	490.1	490.2	490.3
132.5°	513.4	514.1	514.9	515.6	516.3	516.7	516.5	516.2	515.8	515.5	515.1
135°	538.2	538.9	539.7	540.4	541.1	541.5	541.4	541.1	540.9	540.6	540.4
137.5°	561.3	562.0	562.7	563.4	564.1	564.5	564.4	564.1	563.9	563.6	563.4
140°	583.8	584.0	584.3	584.5	584.8	584.9	584.8	584.7	584.6	584.4	584.3
142.5°	604.1	604.2	604.4	604.5	604.6	604.7	604.8	605.1	605.3	605.6	605.8
145°	623.9	624.1	624.4	624.6	624.9	625.0	625.0	625.0	625.0	625.0	625.0
147.5°	641.5	641.5	641.5	641.5	641.5	641.5	641.6	641.7	641.8	642.0	642.1
150°	658.0	657.8	657.5	657.3	657.0	656.9	657.0	657.3	657.5	657.8	658.0
152.5°	673.9	673.3	672.7	672.1	671.5	671.2	671.3	671.6	671.8	672.1	672.3
155°	687.1	686.4	685.6	684.9	684.2	683.8	683.9	684.2	684.4	684.7	684.9
157.5°	697.6	697.2	696.8	696.5	696.1	695.9	695.9	695.9	695.9	695.9	695.9
160°	708.6	707.9	707.1	706.4	705.7	705.3	705.4	705.5	705.6	705.7	705.8
162.5°	717.4	716.7	715.9	715.2	714.5	714.1	714.2	714.3	714.4	714.5	714.6
165°	725.1	724.4	723.6	722.9	722.2	721.8	721.9	722.0	722.1	722.2	722.3
167.5°	731.1	730.4	729.6	728.9	728.2	727.8	727.9	728.0	728.1	728.3	728.4
170°	736.1	735.2	734.4	733.5	732.6	732.2	732.3	732.4	732.5	732.7	732.8
172.5°	739.4	738.5	737.7	736.8	735.9	735.5	735.6	735.9	736.1	736.4	736.6
175°	741.6	740.9	740.1	739.4	738.7	738.3	738.4	738.5	738.6	738.7	738.8
177.5°	743.2	742.5	741.7	741.0	740.3	739.9	740.0	740.1	740.2	740.4	740.5
180°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6

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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°	9.4	10.0	10.6	11.2	11.5	11.7	12.1	12.4	12.8	13.2	12.8
92.5°	9.4	10.0	10.6	11.2	11.5	11.6	11.7	11.8	12.0	12.1	12.0
95°	9.4	10.0	10.6	11.2	11.5	11.5	11.5	11.5	11.5	11.5	11.5
97.5°	10.1	10.4	10.6	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.4
100°	77.4	59.2	41.0	22.8	13.7	13.5	13.0	12.5	12.0	11.5	12.0
102.5°	128.8	129.1	129.3	129.6	129.7	124.6	114.3	104.1	93.8	83.6	93.8
105°	163.8	163.8	163.8	163.8	163.8	163.7	163.6	163.5	163.4	163.3	163.4
107.5°	200.2	200.3	200.4	200.5	200.6	200.4	199.9	199.4	198.9	198.4	198.9
110°	236.0	235.6	235.3	234.9	234.7	234.8	234.9	235.0	235.2	235.3	235.2

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	271.1	270.6	270.1	269.6	269.4	269.3	269.0	268.8	268.5	268.3	268.5
115°	306.2	305.7	305.2	304.7	304.5	304.1	303.4	302.7	301.9	301.2	301.9
117.5°	340.7	339.9	339.2	338.5	338.1	338.0	337.7	337.5	337.2	337.0	337.2
120°	373.1	372.8	372.6	372.3	372.2	371.9	371.3	370.6	370.0	369.4	370.0
122.5°	404.4	404.1	403.9	403.6	403.5	403.1	402.4	401.7	400.9	400.2	400.9
125°	434.9	434.4	433.9	433.4	433.2	433.0	432.6	432.3	431.9	431.5	431.9
127.5°	462.7	462.4	462.2	461.9	461.8	461.3	460.3	459.4	458.4	457.4	458.4
130°	489.9	489.6	489.2	488.9	488.7	488.4	487.8	487.1	486.5	485.9	486.5
132.5°	515.1	515.1	515.1	515.1	515.1	514.8	514.2	513.5	512.9	512.3	512.9
135°	540.2	539.9	539.7	539.4	539.3	538.9	538.2	537.5	536.7	536.0	536.7
137.5°	563.4	563.4	563.4	563.4	563.4	563.1	562.5	561.9	561.3	560.7	561.3
140°	584.5	584.8	585.0	585.3	585.4	585.0	584.3	583.6	582.8	582.1	582.8
142.5°	605.8	605.8	605.8	605.8	605.8	605.4	604.7	604.0	603.2	602.5	603.2
145°	625.1	625.3	625.4	625.5	625.6	625.2	624.5	623.8	623.0	622.3	623.0
147.5°	642.2	642.3	642.4	642.5	642.6	642.2	641.3	640.5	639.6	638.8	639.6
150°	658.2	658.5	658.7	659.0	659.1	658.6	657.6	656.7	655.7	654.7	655.7
152.5°	672.5	672.8	673.0	673.3	673.4	673.0	672.1	671.2	670.4	669.5	670.4
155°	685.3	685.7	686.0	686.4	686.6	686.1	685.1	684.2	683.2	682.2	683.2
157.5°	696.3	696.7	697.0	697.4	697.6	697.1	696.1	695.2	694.2	693.2	694.2
160°	706.3	706.8	707.3	707.8	708.0	707.5	706.5	705.6	704.6	703.6	704.6
162.5°	715.3	716.1	716.8	717.5	717.9	717.4	716.3	715.2	714.1	713.0	714.1
165°	723.0	723.8	724.5	725.2	725.6	725.1	724.1	723.2	722.2	721.2	722.2
167.5°	729.2	730.1	730.9	731.8	732.2	731.7	730.6	729.5	728.4	727.3	728.4
170°	733.8	734.8	735.7	736.7	737.2	736.6	735.5	734.4	733.3	732.2	733.3
172.5°	737.5	738.3	739.2	740.1	740.5	739.9	738.8	737.7	736.6	735.5	736.6
175°	739.8	740.8	741.7	742.7	743.2	742.7	741.6	740.5	739.4	738.3	739.4
177.5°	741.3	742.2	743.0	743.9	744.3	743.8	742.8	741.9	740.9	739.9	740.9
180°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	917.6	912.5	914.0	912.5	908.9	906.7	900.9	893.6	890.7	887.1	884.9
5°	991.1	987.5	986.8	980.9	979.5	970.8	956.2	948.9	940.2	931.5	922.7
7.5°	1071.2	1066.8	1052.3	1050.1	1051.5	1040.6	1021.7	1007.1	989.0	976.6	959.8
10°	1137.4	1128.7	1116.3	1117.0	1111.9	1097.4	1078.5	1063.2	1037.0	1021.0	997.0
12.5°	1177.4	1170.2	1168.7	1161.4	1157.1	1138.1	1115.6	1095.9	1076.3	1054.4	1036.3
15°	1226.2	1216.7	1210.2	1200.0	1197.1	1177.4	1152.7	1130.1	1107.6	1087.2	1048.6
17.5°	1280.0	1269.8	1245.1	1242.9	1225.5	1206.5	1182.5	1149.0	1125.0	1095.9	1067.5
20°	1341.2	1326.6	1294.6	1286.6	1272.8	1241.5	1208.7	1171.6	1133.0	1103.2	1069.7
22.5°	1409.6	1384.1	1360.8	1335.3	1325.2	1286.6	1241.5	1196.3	1149.8	1109.0	1069.0
25°	1498.3	1464.9	1432.1	1406.7	1389.2	1339.0	1278.6	1218.9	1165.1	1111.9	1059.5
27.5°	1568.2	1539.1	1503.4	1470.0	1447.4	1387.7	1318.6	1241.5	1174.5	1109.8	1053.7
30°	1573.3	1564.6	1542.7	1524.5	1499.8	1435.8	1359.4	1272.0	1189.1	1110.5	1042.1
32.5°	1478.0	1495.4	1504.9	1507.8	1502.7	1465.6	1395.7	1299.7	1202.2	1103.9	1031.9
35°	1272.8	1319.3	1376.8	1398.7	1419.8	1439.4	1403.0	1319.3	1206.5	1102.5	1015.9
37.5°	1047.9	1090.1	1185.4	1229.1	1253.8	1331.7	1361.5	1316.4	1215.3	1103.9	1000.6
40°	845.6	912.5	980.9	1039.9	1078.5	1165.8	1258.2	1268.4	1202.9	1090.1	980.9
42.5°	711.7	751.0	802.7	857.2	891.4	994.8	1119.9	1193.4	1164.3	1067.5	956.9
45°	606.2	635.3	684.0	702.2	745.9	844.9	977.3	1083.6	1098.1	1031.9	929.3
47.5°	520.3	545.1	576.3	598.9	633.8	708.1	820.1	937.3	1007.1	983.1	890.7
50°	458.5	478.8	505.0	518.1	540.7	607.6	692.0	808.5	902.4	910.4	840.5
52.5°	406.8	418.4	438.8	453.4	471.6	512.3	588.7	684.8	790.3	834.0	778.6
55°	361.7	371.1	389.3	398.8	408.2	443.2	502.8	590.2	689.1	746.6	715.3
57.5°	320.9	328.9	344.2	352.9	358.0	391.5	437.4	505.8	594.5	664.4	646.9
60°	287.4	294.7	303.5	310.0	315.8	343.5	375.5	430.8	510.1	577.8	573.4
62.5°	251.8	258.3	267.8	274.3	279.4	296.9	323.8	366.0	433.7	496.3	508.7
65°	220.5	225.6	232.1	235.0	241.6	254.7	276.5	314.4	369.7	425.7	434.4
67.5°	192.1	193.6	197.9	204.5	205.9	217.6	237.2	265.6	308.5	354.4	368.2
70°	161.6	163.7	167.4	172.5	175.4	182.7	199.4	218.3	255.4	295.4	305.6
72.5°	134.6	137.5	139.0	141.9	143.4	155.0	162.3	181.2	206.7	240.1	251.1
75°	109.2	112.1	112.8	114.2	115.7	120.8	131.0	142.6	163.7	185.6	200.1
77.5°	86.6	85.9	87.3	89.5	88.8	93.1	99.7	109.9	123.7	141.9	151.4
80°	61.1	61.1	63.3	65.5	64.8	69.1	71.3	78.6	90.2	101.9	105.5
82.5°	40.8	40.8	42.9	42.9	44.4	45.1	48.0	51.7	61.1	66.9	69.1
85°	23.3	23.3	24.0	24.0	24.0	25.5	27.7	29.1	32.0	35.7	37.1
87.5°	9.5	10.2	10.2	10.2	10.2	11.6	11.6	13.1	13.8	15.3	15.3
90°	12.4	12.1	11.7	11.5	11.2	10.6	10.0	9.4	8.8	7.9	7.1
92.5°	11.8	11.7	11.6	11.5	11.2	10.6	10.0	9.4	8.8	8.1	7.3
95°	11.5	11.5	11.5	11.5	11.2	10.6	10.0	9.4	8.8	13.4	18.1
97.5°	11.3	11.2	11.1	11.0	10.9	10.6	10.4	10.1	9.9	21.5	33.1
100°	12.5	13.0	13.5	13.7	22.8	41.0	59.2	77.4	95.6	95.1	94.7
102.5°	104.1	114.3	124.6	129.7	129.6	129.3	129.1	128.8	128.6	128.4	128.1
105°	163.5	163.6	163.7	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.8
107.5°	199.4	199.9	200.4	200.6	200.5	200.4	200.3	200.2	200.1	199.9	199.6
110°	235.0	234.9	234.8	234.7	234.9	235.3	235.6	236.0	236.4	236.2	235.9

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	268.8	269.0	269.3	269.4	269.6	270.1	270.6	271.1	271.6	271.5	271.3
115°	302.7	303.4	304.1	304.5	304.7	305.2	305.7	306.2	306.7	306.6	306.5
117.5°	337.5	337.7	338.0	338.1	338.5	339.2	339.9	340.7	341.4	340.9	340.4
120°	370.6	371.3	371.9	372.2	372.3	372.6	372.8	373.1	373.3	372.9	372.5
122.5°	401.7	402.4	403.1	403.5	403.6	403.9	404.1	404.4	404.6	404.5	404.3
125°	432.3	432.6	433.0	433.2	433.4	433.9	434.4	434.9	435.4	435.4	435.4
127.5°	459.4	460.3	461.3	461.8	461.9	462.2	462.4	462.7	462.9	463.0	463.1
130°	487.1	487.8	488.4	488.7	488.9	489.2	489.6	489.9	490.3	490.2	490.1
132.5°	513.5	514.2	514.8	515.1	515.1	515.1	515.1	515.1	515.1	515.5	515.8
135°	537.5	538.2	538.9	539.3	539.4	539.7	539.9	540.2	540.4	540.6	540.9
137.5°	561.9	562.5	563.1	563.4	563.4	563.4	563.4	563.4	563.4	563.6	563.9
140°	583.6	584.3	585.0	585.4	585.3	585.0	584.8	584.5	584.3	584.4	584.6
142.5°	604.0	604.7	605.4	605.8	605.8	605.8	605.8	605.8	605.8	605.6	605.3
145°	623.8	624.5	625.2	625.6	625.5	625.4	625.3	625.1	625.0	625.0	625.0
147.5°	640.5	641.3	642.2	642.6	642.5	642.4	642.3	642.2	642.1	642.0	641.8
150°	656.7	657.6	658.6	659.1	659.0	658.7	658.5	658.2	658.0	657.8	657.5
152.5°	671.2	672.1	673.0	673.4	673.3	673.0	672.8	672.5	672.3	672.1	671.8
155°	684.2	685.1	686.1	686.6	686.4	686.0	685.7	685.3	684.9	684.7	684.4
157.5°	695.2	696.1	697.1	697.6	697.4	697.0	696.7	696.3	695.9	695.9	695.9
160°	705.6	706.5	707.5	708.0	707.8	707.3	706.8	706.3	705.8	705.7	705.6
162.5°	715.2	716.3	717.4	717.9	717.5	716.8	716.1	715.3	714.6	714.5	714.4
165°	723.2	724.1	725.1	725.6	725.2	724.5	723.8	723.0	722.3	722.2	722.1
167.5°	729.5	730.6	731.7	732.2	731.8	730.9	730.1	729.2	728.4	728.3	728.1
170°	734.4	735.5	736.6	737.2	736.7	735.7	734.8	733.8	732.8	732.7	732.5
172.5°	737.7	738.8	739.9	740.5	740.1	739.2	738.3	737.5	736.6	736.4	736.1
175°	740.5	741.6	742.7	743.2	742.7	741.7	740.8	739.8	738.8	738.7	738.6
177.5°	741.9	742.8	743.8	744.3	743.9	743.0	742.2	741.3	740.5	740.4	740.2
180°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	882.0	878.3	874.0	874.0	868.9	866.7	862.3	860.9	857.2	851.4	847.0
5°	913.3	903.8	898.0	892.9	882.0	874.0	866.0	857.2	848.5	838.3	826.7
7.5°	943.8	926.4	918.4	909.6	893.6	876.9	860.9	849.2	837.6	821.6	807.0
10°	975.9	954.0	939.5	927.8	903.1	882.0	858.7	842.0	823.8	803.4	784.5
12.5°	1002.8	974.4	962.0	940.2	911.8	886.3	857.2	831.8	807.8	783.7	760.5
15°	1025.3	998.4	967.8	959.1	919.8	883.4	850.7	817.9	788.1	764.1	737.2
17.5°	1032.6	998.4	983.1	962.0	915.5	877.6	836.1	800.5	772.1	736.4	715.3
20°	1034.8	1002.1	980.9	961.3	919.8	869.6	828.9	785.2	751.0	715.3	681.9
22.5°	1029.0	990.4	970.0	951.1	904.5	861.6	814.3	766.3	726.3	693.5	660.0
25°	1018.1	972.9	953.3	932.9	888.5	841.2	789.6	743.7	706.6	667.3	634.6
27.5°	1003.5	951.8	929.3	908.2	864.5	820.1	771.4	724.1	682.6	641.1	610.5
30°	985.3	925.6	905.3	877.6	835.4	793.2	748.8	701.5	654.9	615.6	582.2
32.5°	962.0	899.4	872.5	846.3	800.5	761.9	719.7	675.3	630.2	591.6	556.7
35°	940.9	869.6	839.8	813.6	762.6	721.9	687.0	645.5	605.5	565.4	534.1
37.5°	912.5	839.8	804.1	777.2	725.5	684.0	651.3	619.3	577.1	538.5	509.4
40°	882.7	802.7	769.2	742.3	688.4	643.3	612.0	583.6	549.4	513.8	483.2
42.5°	855.8	767.0	731.3	698.6	644.0	604.0	572.0	550.1	518.9	486.8	459.2
45°	821.6	729.2	690.6	656.4	604.0	560.3	529.8	512.3	489.0	457.7	433.7
47.5°	786.6	688.4	648.4	614.9	558.2	519.6	489.7	473.0	457.0	432.3	408.2
50°	740.8	645.5	609.1	570.5	514.5	475.2	450.4	433.7	421.3	403.9	383.5
52.5°	690.6	601.1	561.8	528.3	473.0	437.4	409.0	399.5	387.1	374.0	356.6
55°	637.5	553.1	515.2	482.5	431.5	395.1	371.9	361.7	352.2	342.0	330.4
57.5°	584.3	502.8	467.2	438.1	390.8	355.8	336.9	323.1	316.6	310.7	301.3
60°	518.1	449.0	421.3	395.1	348.6	316.6	298.4	288.2	282.3	279.4	275.1
62.5°	459.9	403.1	372.6	347.1	310.0	281.6	264.2	256.2	251.1	249.6	244.5
65°	398.1	349.3	325.3	303.5	271.4	246.0	231.4	222.0	218.3	217.6	217.6
67.5°	339.8	300.5	276.5	261.2	233.6	211.0	197.2	193.6	191.4	188.5	187.7
70°	285.3	254.0	232.9	219.8	195.0	178.3	167.4	161.6	161.6	159.4	157.9
72.5°	237.2	205.9	192.1	181.2	160.8	146.3	138.3	136.8	131.7	131.0	131.0
75°	185.6	162.3	152.8	143.4	128.1	117.9	111.3	107.7	104.8	104.8	105.5
77.5°	139.7	123.7	115.0	107.7	96.8	90.2	85.1	83.7	80.8	80.8	80.8
80°	99.0	90.2	83.7	77.9	69.9	64.0	61.1	58.2	58.2	57.5	58.2
82.5°	64.0	56.8	53.1	52.4	45.1	42.9	39.3	40.0	37.8	37.1	38.6
85°	37.1	33.5	29.1	27.7	24.7	21.8	20.4	21.1	20.4	19.6	20.4
87.5°	14.6	12.4	11.6	11.6	9.5	8.7	8.0	8.7	7.3	7.3	8.0
90°	6.2	5.3	4.9	4.4	3.4	2.5	1.5	0.5	1.5	2.5	3.4
92.5°	6.6	5.9	5.5	6.0	7.1	8.2	9.3	10.4	9.3	8.2	7.1
95°	22.7	27.4	29.7	29.9	30.2	30.6	30.9	31.3	30.9	30.6	30.2
97.5°	44.7	56.3	62.1	61.7	61.0	60.3	59.5	58.8	59.5	60.3	61.0
100°	94.2	93.7	93.5	93.3	92.9	92.6	92.2	91.8	92.2	92.6	92.9
102.5°	127.9	127.6	127.5	127.3	126.8	126.3	125.8	125.3	125.8	126.3	126.8
105°	163.8	163.8	163.8	163.6	163.1	162.6	162.1	161.6	162.1	162.6	163.1
107.5°	199.4	199.1	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0
110°	235.7	235.4	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	271.2	271.1	271.0	270.8	270.5	270.1	269.8	269.4	269.8	270.1	270.5
115°	306.4	306.3	306.2	305.9	305.3	304.6	304.0	303.4	304.0	304.6	305.3
117.5°	339.9	339.4	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2
120°	372.2	371.8	371.6	371.7	371.8	371.9	372.1	372.2	372.1	371.9	371.8
122.5°	404.2	404.1	404.0	403.7	403.1	402.5	401.9	401.3	401.9	402.5	403.1
125°	435.4	435.4	435.4	435.0	434.1	433.2	432.4	431.5	432.4	433.2	434.1
127.5°	463.2	463.3	463.4	463.1	462.5	461.9	461.3	460.7	461.3	461.9	462.5
130°	490.0	489.9	489.8	489.5	488.9	488.2	487.6	487.0	487.6	488.2	488.9
132.5°	516.2	516.5	516.7	516.3	515.6	514.9	514.1	513.4	514.1	514.9	515.6
135°	541.1	541.4	541.5	541.1	540.4	539.7	538.9	538.2	538.9	539.7	540.4
137.5°	564.1	564.4	564.5	564.1	563.4	562.7	562.0	561.3	562.0	562.7	563.4
140°	584.7	584.8	584.9	584.8	584.5	584.3	584.0	583.8	584.0	584.3	584.5
142.5°	605.1	604.8	604.7	604.6	604.5	604.4	604.2	604.1	604.2	604.4	604.5
145°	625.0	625.0	625.0	624.9	624.6	624.4	624.1	623.9	624.1	624.4	624.6
147.5°	641.7	641.6	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
150°	657.3	657.0	656.9	657.0	657.3	657.5	657.8	658.0	657.8	657.5	657.3
152.5°	671.6	671.3	671.2	671.5	672.1	672.7	673.3	673.9	673.3	672.7	672.1
155°	684.2	683.9	683.8	684.2	684.9	685.6	686.4	687.1	686.4	685.6	684.9
157.5°	695.9	695.9	695.9	696.1	696.5	696.8	697.2	697.6	697.2	696.8	696.5
160°	705.5	705.4	705.3	705.7	706.4	707.1	707.9	708.6	707.9	707.1	706.4
162.5°	714.3	714.2	714.1	714.5	715.2	715.9	716.7	717.4	716.7	715.9	715.2
165°	722.0	721.9	721.8	722.2	722.9	723.6	724.4	725.1	724.4	723.6	722.9
167.5°	728.0	727.9	727.8	728.2	728.9	729.6	730.4	731.1	730.4	729.6	728.9
170°	732.4	732.3	732.2	732.6	733.5	734.4	735.2	736.1	735.2	734.4	733.5
172.5°	735.9	735.6	735.5	735.9	736.8	737.7	738.5	739.4	738.5	737.7	736.8
175°	738.5	738.4	738.3	738.7	739.4	740.1	740.9	741.6	740.9	740.1	739.4
177.5°	740.1	740.0	739.9	740.3	741.0	741.7	742.5	743.2	742.5	741.7	741.0
180°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	845.6	844.1	840.5	838.3	831.0	822.3	819.4	812.1	815.0	809.9	809.9
5°	823.0	816.5	812.1	805.6	791.7	782.3	772.1	767.0	764.1	760.5	757.5
7.5°	793.9	788.8	784.5	772.1	756.8	743.7	731.3	726.3	716.8	710.2	707.3
10°	768.5	761.2	751.0	736.4	720.4	703.7	692.8	681.9	674.6	670.9	662.9
12.5°	742.3	733.5	722.6	701.5	684.0	673.9	654.2	644.0	640.4	637.5	628.0
15°	715.3	705.9	692.8	673.1	657.8	633.8	622.2	614.2	605.5	604.7	597.4
17.5°	691.3	679.7	668.8	644.7	625.8	604.7	598.2	589.4	581.4	572.7	569.1
20°	660.8	649.8	641.8	615.6	594.5	581.4	570.5	563.2	558.2	549.4	548.0
22.5°	633.1	621.5	610.5	590.9	572.7	556.0	542.9	534.9	532.7	529.0	522.5
25°	606.2	594.5	581.4	563.2	544.3	532.7	521.0	515.9	511.6	505.8	500.7
27.5°	583.6	572.7	560.3	537.8	521.8	513.0	500.7	494.8	489.0	486.1	483.9
30°	556.7	544.3	534.9	517.4	499.9	488.3	479.6	474.5	469.4	466.5	465.0
32.5°	530.5	518.9	512.3	493.4	479.6	465.7	459.2	455.5	452.6	449.7	446.8
35°	509.4	497.8	487.6	470.1	456.3	446.8	441.7	435.9	433.7	430.8	430.8
37.5°	483.2	474.5	464.3	447.5	435.2	427.9	423.5	416.2	415.5	414.1	411.9
40°	460.6	451.9	442.4	427.9	417.0	408.2	402.4	398.8	396.6	395.1	393.7
42.5°	436.6	427.2	422.8	406.1	396.6	387.9	385.0	381.3	380.6	377.7	374.0
45°	413.3	405.3	396.6	384.2	376.2	368.9	364.6	361.7	358.0	357.3	355.1
47.5°	393.0	383.5	375.5	363.9	355.1	349.3	345.7	342.0	339.1	336.9	334.7
50°	366.8	359.5	352.9	340.6	333.3	327.5	322.4	319.5	316.6	316.6	316.6
52.5°	341.3	334.7	328.9	320.2	311.5	306.4	300.5	298.4	296.9	294.7	296.9
55°	316.6	310.0	304.2	297.6	287.4	283.1	277.3	275.1	275.8	275.8	278.0
57.5°	290.4	285.3	281.6	273.6	264.2	259.8	256.2	254.0	254.0	256.9	257.6
60°	264.9	259.8	253.2	246.0	240.1	235.0	232.9	233.6	233.6	235.0	238.7
62.5°	236.5	233.6	230.0	219.8	216.1	212.5	209.6	211.8	211.0	214.7	219.8
65°	210.3	207.4	202.3	197.2	192.8	189.2	188.5	189.2	190.7	194.3	200.1
67.5°	181.2	181.2	176.8	172.5	168.8	165.2	165.9	166.6	168.1	172.5	181.2
70°	157.2	154.3	149.9	147.0	144.1	142.6	141.2	144.1	148.5	151.4	157.9
72.5°	131.0	128.8	125.2	122.3	121.5	120.1	119.3	120.8	125.2	130.3	137.5
75°	103.3	104.1	101.9	99.7	99.7	97.5	99.0	99.0	103.3	108.4	114.2
77.5°	80.0	79.3	78.6	77.1	76.4	76.4	76.4	77.9	82.2	85.1	91.0
80°	56.8	57.5	55.3	56.0	55.3	56.0	56.0	58.9	61.1	64.8	69.1
82.5°	37.8	37.8	36.4	37.1	37.1	37.1	37.8	39.3	42.2	45.1	48.0
85°	21.1	21.8	20.4	21.8	21.8	21.8	22.6	23.3	25.5	26.2	29.1
87.5°	8.0	9.5	9.5	8.0	8.7	9.5	10.2	9.5	10.9	12.4	13.1
90°	4.4	4.9	5.3	6.2	7.1	7.9	8.8	9.4	10.0	10.6	11.2
92.5°	6.0	5.5	5.9	6.6	7.3	8.1	8.8	9.4	10.0	10.6	11.2
95°	29.9	29.7	27.4	22.7	18.1	13.4	8.8	9.4	10.0	10.6	11.2
97.5°	61.7	62.1	56.3	44.7	33.1	21.5	9.9	10.1	10.4	10.6	10.9
100°	93.3	93.5	93.7	94.2	94.7	95.1	95.6	77.4	59.2	41.0	22.8
102.5°	127.3	127.5	127.6	127.9	128.1	128.4	128.6	128.8	129.1	129.3	129.6
105°	163.6	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.8
107.5°	199.0	199.0	199.1	199.4	199.6	199.9	200.1	200.2	200.3	200.4	200.5
110°	235.3	235.3	235.4	235.7	235.9	236.2	236.4	236.0	235.6	235.3	234.9

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	270.8	271.0	271.1	271.2	271.3	271.5	271.6	271.1	270.6	270.1	269.6
115°	305.9	306.2	306.3	306.4	306.5	306.6	306.7	306.2	305.7	305.2	304.7
117.5°	339.2	339.2	339.4	339.9	340.4	340.9	341.4	340.7	339.9	339.2	338.5
120°	371.7	371.6	371.8	372.2	372.5	372.9	373.3	373.1	372.8	372.6	372.3
122.5°	403.7	404.0	404.1	404.2	404.3	404.5	404.6	404.4	404.1	403.9	403.6
125°	435.0	435.4	435.4	435.4	435.4	435.4	435.4	434.9	434.4	433.9	433.4
127.5°	463.1	463.4	463.3	463.2	463.1	463.0	462.9	462.7	462.4	462.2	461.9
130°	489.5	489.8	489.9	490.0	490.1	490.2	490.3	489.9	489.6	489.2	488.9
132.5°	516.3	516.7	516.5	516.2	515.8	515.5	515.1	515.1	515.1	515.1	515.1
135°	541.1	541.5	541.4	541.1	540.9	540.6	540.4	540.2	539.9	539.7	539.4
137.5°	564.1	564.5	564.4	564.1	563.9	563.6	563.4	563.4	563.4	563.4	563.4
140°	584.8	584.9	584.8	584.7	584.6	584.4	584.3	584.5	584.8	585.0	585.3
142.5°	604.6	604.7	604.8	605.1	605.3	605.6	605.8	605.8	605.8	605.8	605.8
145°	624.9	625.0	625.0	625.0	625.0	625.0	625.0	625.1	625.3	625.4	625.5
147.5°	641.5	641.5	641.6	641.7	641.8	642.0	642.1	642.2	642.3	642.4	642.5
150°	657.0	656.9	657.0	657.3	657.5	657.8	658.0	658.2	658.5	658.7	659.0
152.5°	671.5	671.2	671.3	671.6	671.8	672.1	672.3	672.5	672.8	673.0	673.3
155°	684.2	683.8	683.9	684.2	684.4	684.7	684.9	685.3	685.7	686.0	686.4
157.5°	696.1	695.9	695.9	695.9	695.9	695.9	695.9	696.3	696.7	697.0	697.4
160°	705.7	705.3	705.4	705.5	705.6	705.7	705.8	706.3	706.8	707.3	707.8
162.5°	714.5	714.1	714.2	714.3	714.4	714.5	714.6	715.3	716.1	716.8	717.5
165°	722.2	721.8	721.9	722.0	722.1	722.2	722.3	723.0	723.8	724.5	725.2
167.5°	728.2	727.8	727.9	728.0	728.1	728.3	728.4	729.2	730.1	730.9	731.8
170°	732.6	732.2	732.3	732.4	732.5	732.7	732.8	733.8	734.8	735.7	736.7
172.5°	735.9	735.5	735.6	735.9	736.1	736.4	736.6	737.5	738.3	739.2	740.1
175°	738.7	738.3	738.4	738.5	738.6	738.7	738.8	739.8	740.8	741.7	742.7
177.5°	740.3	739.9	740.0	740.1	740.2	740.4	740.5	741.3	742.2	743.0	743.9
180°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	812.8	807.8	807.0	808.5	805.6	809.9	808.5	809.9	806.3	809.9	807.8
5°	756.8	755.4	752.4	748.8	749.5	750.3	753.9	750.3	753.2	753.9	757.5
7.5°	704.4	701.5	703.7	702.2	695.7	694.2	695.7	697.9	702.2	705.1	707.3
10°	662.2	660.8	657.8	655.7	652.0	649.8	652.8	649.8	655.7	660.8	660.8
12.5°	630.2	624.4	620.7	620.0	612.0	613.5	616.4	618.5	625.1	628.0	628.0
15°	596.7	592.4	590.9	588.0	585.1	588.0	586.5	588.7	591.6	594.5	596.0
17.5°	567.6	566.9	567.6	560.3	562.5	558.9	559.6	563.2	561.1	563.2	567.6
20°	541.4	542.9	540.7	537.8	537.8	533.4	538.5	537.0	537.8	542.1	548.7
22.5°	521.8	521.0	518.9	516.7	513.8	514.5	515.2	513.8	519.6	523.2	523.9
25°	500.7	499.2	498.5	496.3	493.4	496.3	495.6	496.3	497.8	503.6	499.2
27.5°	481.0	478.1	479.6	477.4	476.6	477.4	477.4	478.1	479.6	480.3	481.0
30°	464.3	461.4	460.6	459.2	458.5	459.2	460.6	459.2	465.0	464.3	464.3
32.5°	446.1	443.9	442.4	442.4	441.7	441.0	441.7	442.4	446.8	443.9	446.8
35°	428.6	427.2	427.2	425.7	425.0	425.0	425.0	427.9	426.4	428.6	428.6
37.5°	411.9	411.9	411.2	409.7	409.0	409.7	409.0	410.4	409.7	410.4	411.2
40°	394.4	393.0	392.2	392.2	390.1	387.9	390.1	390.1	390.8	393.0	393.7
42.5°	373.3	374.0	374.0	371.1	371.1	371.1	371.9	372.6	372.6	374.0	374.0
45°	355.1	353.7	353.7	353.7	352.2	352.9	354.4	354.4	354.4	354.4	352.9
47.5°	334.7	334.7	335.5	335.5	337.7	336.9	336.9	336.2	334.7	334.7	335.5
50°	315.8	318.0	318.7	318.7	319.5	320.2	320.2	318.7	318.0	315.8	315.8
52.5°	297.6	299.1	300.5	302.7	304.2	303.5	303.5	302.0	299.1	298.4	297.6
55°	278.0	280.2	283.1	285.3	287.4	288.2	288.2	285.3	282.3	278.7	278.7
57.5°	259.8	262.0	267.1	269.3	272.2	272.2	270.7	268.5	264.2	261.2	259.1
60°	241.6	245.2	248.9	253.2	256.9	257.6	255.4	252.5	247.4	243.8	240.9
62.5°	222.0	225.6	232.9	237.2	240.1	240.1	240.1	236.5	230.0	224.9	220.5
65°	203.0	206.7	213.2	219.0	221.2	223.4	221.2	217.6	212.5	206.7	202.3
67.5°	183.4	187.7	194.3	198.7	201.6	203.8	202.3	199.4	192.8	184.8	181.9
70°	161.6	163.7	173.2	177.6	181.9	183.4	181.9	177.6	171.0	162.3	159.4
72.5°	141.2	143.4	152.1	155.7	159.4	160.8	158.6	155.7	149.9	141.9	138.3
75°	117.9	121.5	125.9	131.7	136.1	137.5	135.4	133.2	125.9	120.8	117.9
77.5°	93.1	96.8	102.6	107.7	112.1	111.3	108.4	109.2	101.2	95.3	93.1
80°	70.6	73.5	77.9	82.2	84.4	84.4	83.7	80.8	77.9	73.5	69.9
82.5°	48.8	52.4	56.0	58.9	58.9	59.7	58.2	57.5	54.6	50.9	50.2
85°	29.1	29.8	32.7	32.7	35.7	34.2	33.5	35.7	32.7	30.6	29.8
87.5°	13.1	12.4	13.1	13.1	12.4	13.8	13.8	13.1	13.8	13.1	13.1
90°	11.5	11.7	12.1	12.4	12.8	13.2	12.8	12.4	12.1	11.7	11.5
92.5°	11.5	11.6	11.7	11.8	12.0	12.1	12.0	11.8	11.7	11.6	11.5
95°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
97.5°	11.0	11.1	11.2	11.3	11.4	11.5	11.4	11.3	11.2	11.1	11.0
100°	13.7	13.5	13.0	12.5	12.0	11.5	12.0	12.5	13.0	13.5	13.7
102.5°	129.7	124.6	114.3	104.1	93.8	83.6	93.8	104.1	114.3	124.6	129.7
105°	163.8	163.7	163.6	163.5	163.4	163.3	163.4	163.5	163.6	163.7	163.8
107.5°	200.6	200.4	199.9	199.4	198.9	198.4	198.9	199.4	199.9	200.4	200.6
110°	234.7	234.8	234.9	235.0	235.2	235.3	235.2	235.0	234.9	234.8	234.7

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	269.4	269.3	269.0	268.8	268.5	268.3	268.5	268.8	269.0	269.3	269.4
115°	304.5	304.1	303.4	302.7	301.9	301.2	301.9	302.7	303.4	304.1	304.5
117.5°	338.1	338.0	337.7	337.5	337.2	337.0	337.2	337.5	337.7	338.0	338.1
120°	372.2	371.9	371.3	370.6	370.0	369.4	370.0	370.6	371.3	371.9	372.2
122.5°	403.5	403.1	402.4	401.7	400.9	400.2	400.9	401.7	402.4	403.1	403.5
125°	433.2	433.0	432.6	432.3	431.9	431.5	431.9	432.3	432.6	433.0	433.2
127.5°	461.8	461.3	460.3	459.4	458.4	457.4	458.4	459.4	460.3	461.3	461.8
130°	488.7	488.4	487.8	487.1	486.5	485.9	486.5	487.1	487.8	488.4	488.7
132.5°	515.1	514.8	514.2	513.5	512.9	512.3	512.9	513.5	514.2	514.8	515.1
135°	539.3	538.9	538.2	537.5	536.7	536.0	536.7	537.5	538.2	538.9	539.3
137.5°	563.4	563.1	562.5	561.9	561.3	560.7	561.3	561.9	562.5	563.1	563.4
140°	585.4	585.0	584.3	583.6	582.8	582.1	582.8	583.6	584.3	585.0	585.4
142.5°	605.8	605.4	604.7	604.0	603.2	602.5	603.2	604.0	604.7	605.4	605.8
145°	625.6	625.2	624.5	623.8	623.0	622.3	623.0	623.8	624.5	625.2	625.6
147.5°	642.6	642.2	641.3	640.5	639.6	638.8	639.6	640.5	641.3	642.2	642.6
150°	659.1	658.6	657.6	656.7	655.7	654.7	655.7	656.7	657.6	658.6	659.1
152.5°	673.4	673.0	672.1	671.2	670.4	669.5	670.4	671.2	672.1	673.0	673.4
155°	686.6	686.1	685.1	684.2	683.2	682.2	683.2	684.2	685.1	686.1	686.6
157.5°	697.6	697.1	696.1	695.2	694.2	693.2	694.2	695.2	696.1	697.1	697.6
160°	708.0	707.5	706.5	705.6	704.6	703.6	704.6	705.6	706.5	707.5	708.0
162.5°	717.9	717.4	716.3	715.2	714.1	713.0	714.1	715.2	716.3	717.4	717.9
165°	725.6	725.1	724.1	723.2	722.2	721.2	722.2	723.2	724.1	725.1	725.6
167.5°	732.2	731.7	730.6	729.5	728.4	727.3	728.4	729.5	730.6	731.7	732.2
170°	737.2	736.6	735.5	734.4	733.3	732.2	733.3	734.4	735.5	736.6	737.2
172.5°	740.5	739.9	738.8	737.7	736.6	735.5	736.6	737.7	738.8	739.9	740.5
175°	743.2	742.7	741.6	740.5	739.4	738.3	739.4	740.5	741.6	742.7	743.2
177.5°	744.3	743.8	742.8	741.9	740.9	739.9	740.9	741.9	742.8	743.8	744.3
180°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	814.3	809.9	815.0	808.5	809.9	817.9	817.2	824.5	828.9	828.1	831.8
5°	760.5	760.5	762.6	761.9	769.2	775.7	784.5	791.7	799.7	804.1	809.2
7.5°	707.3	714.6	716.1	719.7	728.4	739.3	748.1	759.0	770.6	778.6	784.5
10°	663.7	669.5	675.3	678.2	687.7	702.2	714.6	732.1	746.6	755.4	763.4
12.5°	625.1	631.6	634.6	647.7	654.2	663.7	681.1	700.1	716.1	725.5	732.1
15°	597.4	601.1	607.6	615.6	622.2	633.8	648.4	669.5	684.8	692.8	715.3
17.5°	574.2	578.5	582.2	585.8	596.0	608.4	622.2	640.4	660.0	673.9	685.5
20°	550.1	552.3	556.7	562.5	569.8	581.4	593.8	612.7	630.2	641.1	656.4
22.5°	521.8	528.3	532.7	537.0	545.1	558.2	569.8	583.6	605.5	617.8	633.8
25°	505.0	507.9	510.8	515.9	521.8	533.4	546.5	561.1	578.5	591.6	605.5
27.5°	483.2	487.6	491.2	497.8	501.4	510.8	523.2	537.8	558.9	569.8	581.4
30°	465.0	469.4	472.3	475.2	480.3	490.5	502.1	513.8	533.4	547.2	558.9
32.5°	446.8	451.2	454.8	457.0	462.1	468.6	478.1	492.7	509.4	518.9	534.1
35°	430.8	430.8	435.2	438.1	442.4	448.3	457.0	467.9	485.4	497.8	511.6
37.5°	412.6	413.3	417.0	419.2	423.5	429.3	438.1	448.3	462.8	472.3	486.1
40°	393.7	395.9	397.3	401.0	406.1	408.2	417.0	428.6	443.2	451.9	463.5
42.5°	374.8	376.2	379.9	382.8	387.1	390.8	396.6	407.5	418.4	431.5	441.0
45°	353.7	357.3	359.5	364.6	366.8	370.4	376.2	385.0	398.1	406.1	417.0
47.5°	335.5	336.9	338.4	344.9	349.3	351.5	357.3	362.4	376.2	383.5	393.7
50°	315.8	315.8	318.0	320.9	326.0	330.4	335.5	341.3	352.2	359.5	369.7
52.5°	297.6	295.4	296.9	298.4	303.5	307.8	312.9	320.9	331.1	335.5	344.2
55°	278.0	274.3	276.5	278.7	280.2	286.0	291.8	296.9	304.9	311.5	319.5
57.5°	256.9	256.2	254.7	255.4	259.1	262.7	267.1	273.6	283.1	288.2	292.5
60°	238.0	233.6	232.1	233.6	235.8	238.0	243.8	249.6	257.6	262.7	267.8
62.5°	218.3	213.9	211.0	208.9	211.0	216.1	219.8	224.1	230.7	236.5	240.9
65°	199.4	192.8	189.9	188.5	187.7	191.4	194.3	200.1	205.9	208.1	213.2
67.5°	178.3	172.5	168.8	166.6	166.6	166.6	169.6	175.4	181.2	181.9	187.0
70°	157.2	150.6	147.0	144.1	142.6	144.1	147.7	148.5	153.5	155.0	157.9
72.5°	134.6	128.8	124.4	120.8	121.5	123.0	123.0	124.4	127.3	131.0	131.0
75°	113.5	105.5	103.3	100.4	99.0	99.0	99.0	101.9	104.1	107.0	106.2
77.5°	89.5	85.1	80.8	79.3	77.1	76.4	77.9	77.9	79.3	81.5	82.2
80°	69.1	64.0	61.1	59.7	56.8	56.0	56.8	56.8	58.9	58.2	58.9
82.5°	48.0	44.4	42.2	40.0	38.6	39.3	38.6	38.6	39.3	38.6	38.6
85°	27.7	26.9	25.5	24.7	24.0	22.6	24.0	23.3	22.6	21.8	23.3
87.5°	13.1	12.4	12.4	10.9	10.9	10.2	10.9	10.9	10.2	10.2	10.2
90°	11.2	10.6	10.0	9.4	8.8	7.9	7.1	6.2	5.3	4.9	4.4
92.5°	11.2	10.6	10.0	9.4	8.8	8.1	7.3	6.6	5.9	5.5	6.0
95°	11.2	10.6	10.0	9.4	8.8	13.4	18.1	22.7	27.4	29.7	29.9
97.5°	10.9	10.6	10.4	10.1	9.9	21.5	33.1	44.7	56.3	62.1	61.7
100°	22.8	41.0	59.2	77.4	95.6	95.1	94.7	94.2	93.7	93.5	93.3
102.5°	129.6	129.3	129.1	128.8	128.6	128.4	128.1	127.9	127.6	127.5	127.3
105°	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.8	163.6
107.5°	200.5	200.4	200.3	200.2	200.1	199.9	199.6	199.4	199.1	199.0	199.0
110°	234.9	235.3	235.6	236.0	236.4	236.2	235.9	235.7	235.4	235.3	235.3

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	269.6	270.1	270.6	271.1	271.6	271.5	271.3	271.2	271.1	271.0	270.8
115°	304.7	305.2	305.7	306.2	306.7	306.6	306.5	306.4	306.3	306.2	305.9
117.5°	338.5	339.2	339.9	340.7	341.4	340.9	340.4	339.9	339.4	339.2	339.2
120°	372.3	372.6	372.8	373.1	373.3	372.9	372.5	372.2	371.8	371.6	371.7
122.5°	403.6	403.9	404.1	404.4	404.6	404.5	404.3	404.2	404.1	404.0	403.7
125°	433.4	433.9	434.4	434.9	435.4	435.4	435.4	435.4	435.4	435.4	435.0
127.5°	461.9	462.2	462.4	462.7	462.9	463.0	463.1	463.2	463.3	463.4	463.1
130°	488.9	489.2	489.6	489.9	490.3	490.2	490.1	490.0	489.9	489.8	489.5
132.5°	515.1	515.1	515.1	515.1	515.1	515.5	515.8	516.2	516.5	516.7	516.3
135°	539.4	539.7	539.9	540.2	540.4	540.6	540.9	541.1	541.4	541.5	541.1
137.5°	563.4	563.4	563.4	563.4	563.4	563.6	563.9	564.1	564.4	564.5	564.1
140°	585.3	585.0	584.8	584.5	584.3	584.4	584.6	584.7	584.8	584.9	584.8
142.5°	605.8	605.8	605.8	605.8	605.8	605.6	605.3	605.1	604.8	604.7	604.6
145°	625.5	625.4	625.3	625.1	625.0	625.0	625.0	625.0	625.0	625.0	624.9
147.5°	642.5	642.4	642.3	642.2	642.1	642.0	641.8	641.7	641.6	641.5	641.5
150°	659.0	658.7	658.5	658.2	658.0	657.8	657.5	657.3	657.0	656.9	657.0
152.5°	673.3	673.0	672.8	672.5	672.3	672.1	671.8	671.6	671.3	671.2	671.5
155°	686.4	686.0	685.7	685.3	684.9	684.7	684.4	684.2	683.9	683.8	684.2
157.5°	697.4	697.0	696.7	696.3	695.9	695.9	695.9	695.9	695.9	695.9	696.1
160°	707.8	707.3	706.8	706.3	705.8	705.7	705.6	705.5	705.4	705.3	705.7
162.5°	717.5	716.8	716.1	715.3	714.6	714.5	714.4	714.3	714.2	714.1	714.5
165°	725.2	724.5	723.8	723.0	722.3	722.2	722.1	722.0	721.9	721.8	722.2
167.5°	731.8	730.9	730.1	729.2	728.4	728.3	728.1	728.0	727.9	727.8	728.2
170°	736.7	735.7	734.8	733.8	732.8	732.7	732.5	732.4	732.3	732.2	732.6
172.5°	740.1	739.2	738.3	737.5	736.6	736.4	736.1	735.9	735.6	735.5	735.9
175°	742.7	741.7	740.8	739.8	738.8	738.7	738.6	738.5	738.4	738.3	738.7
177.5°	743.9	743.0	742.2	741.3	740.5	740.4	740.2	740.1	740.0	739.9	740.3
180°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	857.2	857.2	857.2	857.2
2.5°	836.9	844.1	849.2	858.7
5°	817.9	831.0	843.4	856.5
7.5°	799.0	814.3	834.0	850.7
10°	777.9	797.6	820.9	843.4
12.5°	756.8	780.1	805.6	835.4
15°	731.3	761.2	791.0	823.0
17.5°	708.8	739.3	771.4	811.4
20°	683.3	716.8	751.7	792.5
22.5°	660.8	697.9	734.3	777.2
25°	635.3	671.7	711.7	757.5
27.5°	614.2	647.7	687.0	736.4
30°	588.7	625.1	664.4	713.9
32.5°	564.7	599.6	641.1	689.9
35°	540.0	575.6	612.7	659.3
37.5°	516.7	547.2	584.3	628.7
40°	490.5	523.9	557.4	592.4
42.5°	466.5	497.0	528.3	556.0
45°	439.5	465.7	495.6	518.1
47.5°	414.8	438.1	461.4	478.8
50°	390.1	408.2	425.7	441.0
52.5°	360.9	381.3	390.8	400.2
55°	334.7	346.4	355.1	364.6
57.5°	309.3	314.4	318.7	327.5
60°	275.8	281.6	286.7	293.3
62.5°	246.7	249.6	251.1	257.6
65°	219.0	218.3	222.0	225.6
67.5°	189.2	188.5	192.1	193.6
70°	160.1	159.4	160.1	163.7
72.5°	132.4	132.4	133.2	134.6
75°	107.0	107.0	107.7	109.2
77.5°	80.8	82.2	81.5	84.4
80°	58.9	57.5	58.9	60.4
82.5°	38.6	40.0	40.0	38.6
85°	21.8	21.8	21.8	21.8
87.5°	9.5	9.5	10.2	10.9
90°	3.4	2.5	1.5	0.5
92.5°	7.1	8.2	9.3	10.4
95°	30.2	30.6	30.9	31.3
97.5°	61.0	60.3	59.5	58.8
100°	92.9	92.6	92.2	91.8
102.5°	126.8	126.3	125.8	125.3
105°	163.1	162.6	162.1	161.6
107.5°	199.0	199.0	199.0	199.0
110°	235.3	235.3	235.3	235.3

TEST NUMBER: P1028141

CATALOG NUMBER: S125DIP-B610D610UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	270.5	270.1	269.8	269.4
115°	305.3	304.6	304.0	303.4
117.5°	339.2	339.2	339.2	339.2
120°	371.8	371.9	372.1	372.2
122.5°	403.1	402.5	401.9	401.3
125°	434.1	433.2	432.4	431.5
127.5°	462.5	461.9	461.3	460.7
130°	488.9	488.2	487.6	487.0
132.5°	515.6	514.9	514.1	513.4
135°	540.4	539.7	538.9	538.2
137.5°	563.4	562.7	562.0	561.3
140°	584.5	584.3	584.0	583.8
142.5°	604.5	604.4	604.2	604.1
145°	624.6	624.4	624.1	623.9
147.5°	641.5	641.5	641.5	641.5
150°	657.3	657.5	657.8	658.0
152.5°	672.1	672.7	673.3	673.9
155°	684.9	685.6	686.4	687.1
157.5°	696.5	696.8	697.2	697.6
160°	706.4	707.1	707.9	708.6
162.5°	715.2	715.9	716.7	717.4
165°	722.9	723.6	724.4	725.1
167.5°	728.9	729.6	730.4	731.1
170°	733.5	734.4	735.2	736.1
172.5°	736.8	737.7	738.5	739.4
175°	739.4	740.1	740.9	741.6
177.5°	741.0	741.7	742.5	743.2
180°	741.6	741.6	741.6	741.6

(END OF REPORT)