

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: P1027999

Luminaire Tested: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027999
REPORT IS A COMBINATION OF REPORTS P1002163 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D1090UB40-4F0-XX-W2A-A4
Description: Define 5 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

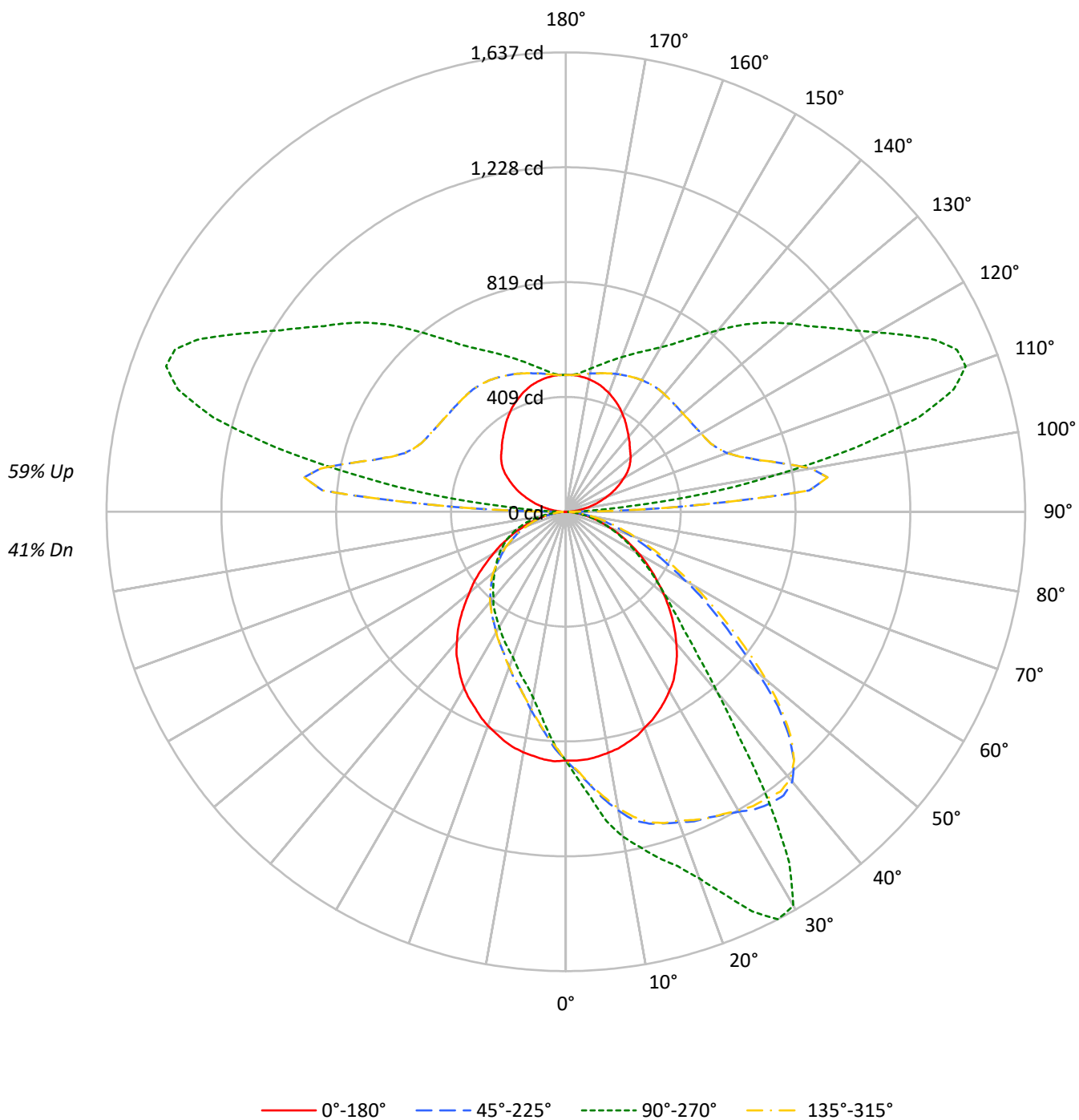
Lumens per Lamp: N/A
Luminaire Lumens: 6164.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 52.5
Input Voltage (V):
Input Current (A_{in}): 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
RCR																	
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47
1	96	92	88	85	87	84	81	78	69	66	64	55	53	52	42	41	40
2	87	80	74	69	79	73	68	64	60	57	54	48	46	44	37	36	34
3	80	71	64	58	72	65	58	54	53	49	45	43	40	37	33	31	29
4	73	63	55	49	66	57	51	45	47	42	39	38	35	32	30	27	25
5	67	56	48	42	61	51	44	39	42	37	33	34	31	28	27	24	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	22	20
7	57	45	37	32	52	41	35	30	35	29	25	28	24	21	22	19	17
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	16
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5679	5679	5679	5679
5°	5683	6442	5688	4887
10°	5648	7343	5639	4195
15°	5607	7961	5572	3790
20°	5536	8724	5485	3460
25°	5473	9996	5373	3265
30°	5383	10546	5290	3088
35°	5240	8454	5130	2946
40°	5017	5843	4943	2795
45°	4736	4350	4683	2671
50°	4413	3581	4340	2570
55°	4065	3054	4033	2483
60°	3724	2615	3659	2416
65°	3356	2258	3302	2318
70°	2968	1874	2927	2147
75°	2556	1450	2522	1864
80°	2016	980	1945	1371
85°	1292	490	1246	699

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	1.4
10°-20°	254.1	4.1
20°-30°	412.7	6.7
30°-40°	504.4	8.2
40°-50°	457.5	7.4
50°-60°	364.4	5.9
60°-70°	253.8	4.1
70°-80°	135.2	2.2
80°-90°	35.5	0.6
90°-100°	354.6	5.8
100°-110°	764.6	12.4
110°-120°	712.8	11.6
120°-130°	577.3	9.4
130°-140°	463.6	7.5
140°-150°	349.6	5.7
150°-160°	246.2	4.0
160°-170°	145.1	2.4
170°-180°	47.2	0.8
0°-30°	752.1	12.2
0°-40°	1256.5	20.4
0°-60°	2078.4	33.7
0°-90°	2502.9	40.6
90°-120°	1832.0	29.7
90°-150°	3222.5	52.3
90°-180°	3661.0	59.4
0°-180°	6164.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	886	886	886	886	886	
5°	886	1022	886	776	886	84
15°	851	1277	846	608	851	240
25°	783	1571	769	513	783	361
35°	682	1261	667	439	682	426
45°	536	594	530	365	536	413
55°	377	366	374	298	377	337
65°	233	225	230	231	233	231
75°	113	111	111	142	113	120
85°	23	25	22	35	23	27
90°	1	23	1	23	1	4
95°	32	231	32	231	32	34
105°	111	1302	111	1302	111	117
115°	198	1450	198	1450	198	195
125°	275	1143	275	1143	275	244
135°	322	949	322	949	322	250
145°	375	749	375	749	375	235
155°	428	628	428	628	428	197
165°	468	550	468	550	468	132
175°	486	494	486	494	486	46
180°	487	487	487	487	487	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	887.8	893.1	899.1	903.6	911.1	913.4	917.1	919.4	921.7	923.9	925.4
5°	885.5	898.3	909.6	917.9	932.2	937.5	944.2	952.5	962.3	970.6	975.8
7.5°	879.5	899.8	914.9	931.4	951.0	963.8	970.6	987.9	1003.7	1015.7	1031.5
10°	872.0	896.1	919.4	944.2	972.1	986.4	999.9	1024.0	1045.8	1065.4	1081.2
12.5°	863.7	893.1	920.9	953.3	990.9	1008.2	1017.2	1058.6	1085.7	1096.2	1127.1
15°	850.9	885.5	925.4	965.3	996.9	1017.2	1042.0	1075.1	1102.2	1125.6	1150.4
17.5°	838.9	876.5	917.1	961.5	1007.4	1033.8	1052.6	1081.9	1111.3	1141.4	1164.7
20°	819.3	868.2	909.6	957.0	1011.2	1030.0	1049.6	1084.2	1115.8	1148.1	1177.5
22.5°	803.5	850.2	906.6	951.8	997.6	1016.5	1040.5	1076.6	1114.3	1151.1	1194.0
25°	783.2	835.1	884.0	932.2	979.6	999.9	1021.7	1068.4	1107.5	1154.9	1202.3
27.5°	761.4	814.8	863.7	907.4	951.8	979.6	1002.9	1051.8	1103.7	1155.6	1217.3
30°	738.1	788.5	835.1	878.0	926.9	955.5	978.8	1036.0	1094.0	1160.2	1233.9
32.5°	713.3	760.6	800.5	844.2	896.1	922.4	954.0	1016.5	1084.9	1163.9	1256.5
35°	681.7	726.8	762.2	806.5	858.5	892.3	925.4	995.4	1075.1	1163.2	1269.3
37.5°	650.1	685.4	719.3	766.7	826.9	857.7	892.3	969.1	1060.1	1160.9	1274.5
40°	612.4	647.0	676.4	724.5	787.7	823.1	859.2	939.7	1042.8	1152.6	1255.7
42.5°	574.8	604.2	636.5	686.9	747.9	785.5	823.8	913.4	1020.2	1128.6	1203.8
45°	535.7	558.3	593.6	639.5	704.2	740.3	784.0	881.0	988.6	1084.9	1122.5
47.5°	495.1	517.6	550.7	595.1	659.1	702.0	743.3	840.4	948.7	1023.2	1023.2
50°	455.9	474.0	506.3	550.7	615.4	654.6	696.7	799.8	887.0	942.0	893.1
52.5°	413.8	434.1	461.2	507.9	571.8	607.2	653.1	741.1	823.8	846.4	771.2
55°	376.9	393.5	419.1	463.5	522.9	559.8	598.9	683.2	753.1	751.6	671.1
57.5°	338.6	352.1	379.2	419.8	474.7	507.9	547.0	620.0	677.1	656.8	580.8
60°	303.2	313.0	339.3	372.4	425.1	455.9	493.6	553.0	596.6	568.0	491.3
62.5°	266.3	277.6	298.7	331.0	377.7	402.5	430.4	490.5	518.4	492.8	414.6
65°	233.2	242.3	261.1	288.2	330.3	352.9	376.9	426.6	452.9	416.1	351.4
67.5°	200.1	210.7	224.2	248.3	281.4	302.5	323.5	366.4	378.4	345.3	291.2
70°	169.3	178.3	191.1	208.4	236.2	255.1	270.9	306.2	314.5	283.6	240.8
72.5°	139.2	145.2	155.7	170.0	195.6	206.2	222.7	246.8	257.3	229.5	198.6
75°	112.9	117.4	124.1	134.7	152.0	163.3	176.8	199.4	198.6	179.1	157.2
77.5°	87.3	88.0	95.6	105.3	115.9	125.6	132.4	148.2	149.7	137.7	119.6
80°	62.4	64.7	67.7	75.2	84.3	88.0	96.3	106.1	107.6	98.6	86.5
82.5°	39.9	41.4	43.6	48.2	54.2	58.7	63.2	67.0	70.7	65.5	55.7
85°	22.6	23.3	25.6	27.1	30.1	32.4	36.1	39.9	39.1	35.4	32.4
87.5°	11.3	11.3	11.3	12.8	14.3	14.3	15.8	16.6	17.3	15.8	14.3
90°	1.0	2.0	3.9	5.9	7.9	8.9	9.8	10.8	12.8	13.8	15.7
92.5°	14.7	17.7	27.5	42.3	62.9	80.6	98.3	165.1	277.1	399.0	392.1
95°	32.4	33.4	41.3	52.1	73.7	95.8	117.9	223.1	439.3	710.5	870.7
97.5°	50.1	51.1	57.0	67.8	87.5	103.7	119.9	192.6	358.7	651.5	940.5
100°	68.8	70.8	74.7	85.5	104.2	118.9	133.6	190.6	318.4	566.0	887.4
102.5°	89.4	90.4	93.4	105.2	121.9	136.2	150.4	199.5	301.7	501.2	794.0
105°	111.0	111.0	116.0	125.8	141.5	155.2	169.0	212.3	299.7	463.8	712.5
107.5°	131.7	133.6	138.6	146.4	163.1	175.4	187.7	230.0	306.6	444.2	651.5
110°	154.3	156.3	160.2	169.0	183.8	196.6	209.3	249.6	317.4	436.3	611.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	176.9	178.9	181.8	190.6	205.4	217.7	230.0	268.3	331.2	436.3	587.7
115°	198.5	200.5	203.4	212.3	227.0	239.3	251.6	287.9	344.9	439.3	571.9
117.5°	218.2	221.1	224.1	232.9	249.6	261.4	273.2	307.6	360.7	444.2	563.1
120°	237.8	240.8	244.7	253.5	270.2	282.5	294.8	329.2	376.4	452.1	557.2
122.5°	258.5	260.4	263.4	272.2	290.9	303.2	315.5	349.8	394.1	458.9	552.3
125°	275.2	277.1	282.0	290.9	309.6	322.4	335.1	367.5	409.8	466.8	548.4
127.5°	288.9	291.9	297.8	308.6	328.2	341.0	353.8	385.2	424.5	475.6	546.4
130°	301.7	304.6	312.5	325.3	345.9	358.7	371.5	401.9	439.3	483.5	544.4
132.5°	311.5	315.5	325.3	340.0	361.6	374.4	387.2	417.7	452.1	492.3	544.4
135°	322.3	326.3	338.1	353.8	374.4	387.6	400.9	431.4	463.8	500.2	544.4
137.5°	336.1	339.0	349.8	365.6	386.2	400.0	413.7	441.2	472.7	508.1	545.4
140°	347.9	350.8	362.6	378.3	397.0	410.3	423.6	452.1	481.5	513.0	546.4
142.5°	361.6	363.6	374.4	390.1	407.8	420.1	432.4	458.9	486.4	515.9	547.4
145°	375.4	377.4	387.2	400.9	418.6	429.9	441.2	466.8	491.4	517.9	546.4
147.5°	390.1	391.1	400.0	412.7	428.5	438.8	449.1	471.7	494.3	518.9	544.4
150°	402.9	404.9	411.8	424.5	438.3	446.6	455.0	476.6	497.3	518.9	541.5
152.5°	416.7	417.7	423.6	434.4	447.1	454.5	461.9	481.5	499.2	517.9	537.5
155°	428.5	428.5	434.4	444.2	454.0	460.9	467.8	484.5	500.2	515.9	532.6
157.5°	439.3	439.3	444.2	453.0	461.9	467.3	472.7	487.4	501.2	514.0	527.7
160°	450.1	449.1	453.0	459.9	467.8	472.2	476.6	489.4	501.2	511.0	522.8
162.5°	458.9	457.9	461.9	467.8	473.7	477.1	480.5	491.4	500.2	508.1	516.9
165°	467.8	465.8	468.8	473.7	477.6	480.6	483.5	491.4	499.2	505.1	511.0
167.5°	473.7	472.7	474.7	477.6	480.5	482.5	484.5	491.4	497.3	500.2	505.1
170°	479.6	478.6	479.6	481.5	483.5	485.0	486.4	491.4	495.3	497.3	500.2
172.5°	483.5	481.5	482.5	484.5	485.5	486.0	486.4	490.4	493.3	493.3	494.3
175°	486.4	484.5	485.5	486.4	486.4	486.4	486.4	489.4	491.4	490.4	490.4
177.5°	488.4	486.4	486.4	487.4	486.4	486.4	486.4	488.4	489.4	487.4	487.4
180°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	926.9	932.2	936.7	940.5	943.5	948.0	945.0	945.7	947.2	950.2	950.2
5°	987.1	995.4	999.9	1015.0	1018.7	1018.0	1015.7	1027.7	1027.0	1022.5	1021.7
7.5°	1045.8	1060.1	1072.9	1084.9	1088.7	1098.5	1100.7	1106.0	1104.5	1112.0	1108.2
10°	1099.2	1121.8	1133.8	1151.9	1156.4	1160.9	1166.9	1169.9	1176.7	1176.0	1176.0
12.5°	1140.6	1167.7	1183.5	1188.0	1205.3	1210.6	1215.8	1225.6	1223.4	1224.1	1228.6
15°	1173.0	1199.3	1212.8	1233.9	1245.9	1252.0	1261.0	1271.5	1270.0	1276.8	1275.3
17.5°	1197.0	1221.9	1246.7	1278.3	1279.0	1294.8	1315.9	1320.4	1330.2	1323.4	1323.4
20°	1216.6	1249.7	1285.1	1325.7	1330.2	1340.0	1365.6	1382.9	1394.1	1390.4	1392.6
22.5°	1237.7	1285.1	1326.4	1367.1	1388.9	1406.2	1431.0	1458.1	1467.9	1473.9	1472.4
25°	1264.7	1314.4	1375.3	1431.8	1454.3	1487.4	1520.5	1546.9	1554.4	1571.0	1555.9
27.5°	1292.6	1362.5	1438.5	1504.7	1533.3	1560.4	1600.3	1619.9	1629.6	1637.2	1631.9
30°	1315.9	1412.2	1495.0	1555.9	1576.2	1592.0	1614.6	1619.1	1615.3	1621.4	1628.9
32.5°	1352.0	1446.1	1516.0	1545.4	1543.1	1542.4	1525.1	1501.0	1495.7	1481.4	1501.0
35°	1371.6	1446.8	1473.9	1434.8	1419.0	1390.4	1335.5	1299.3	1267.7	1261.0	1262.5
37.5°	1360.3	1389.6	1357.3	1254.2	1228.6	1185.0	1112.0	1060.8	1037.5	1019.5	1042.8
40°	1299.3	1267.0	1178.2	1052.6	1015.7	974.3	905.9	878.0	844.9	838.1	869.0
42.5°	1198.5	1100.0	974.3	877.3	838.9	815.6	758.4	732.1	708.7	698.2	715.5
45°	1061.6	942.0	815.6	735.8	703.5	675.6	641.8	613.9	598.9	594.4	608.7
47.5°	920.2	793.8	692.9	633.5	599.6	578.6	547.0	531.2	519.1	520.6	522.9
50°	784.7	669.6	592.1	532.7	516.1	499.6	478.5	465.0	458.9	461.2	459.7
52.5°	668.1	574.8	509.4	463.5	455.9	440.1	422.8	411.5	409.3	410.0	412.3
55°	565.8	492.8	440.9	407.8	399.5	388.2	377.7	370.2	364.1	366.4	365.7
57.5°	488.3	424.3	384.5	357.4	351.4	344.6	334.8	331.0	328.8	324.3	328.0
60°	419.8	367.9	333.3	316.7	311.5	307.0	296.4	291.9	290.4	288.2	294.2
62.5°	355.1	318.3	291.9	276.9	271.6	267.1	261.8	258.1	258.8	255.8	258.8
65°	304.0	273.9	255.1	241.5	234.7	231.7	231.0	225.0	224.2	225.0	225.7
67.5°	256.6	231.0	216.7	208.4	203.1	200.1	197.9	194.1	197.1	194.9	196.4
70°	213.7	196.4	181.3	173.0	170.8	171.5	167.8	166.3	167.0	165.5	167.0
72.5°	172.3	158.0	152.0	146.0	143.0	142.2	139.9	137.7	139.9	139.2	139.2
75°	137.7	127.2	120.4	116.6	116.6	115.1	111.4	111.4	111.4	110.6	111.4
77.5°	106.1	97.1	94.0	90.3	90.3	88.0	87.3	87.3	85.8	88.0	86.5
80°	79.0	72.2	67.7	65.5	65.5	64.7	63.2	62.4	63.2	62.4	62.4
82.5°	51.2	48.2	45.9	43.6	42.9	43.6	42.9	41.4	42.1	41.4	42.9
85°	29.3	26.3	26.3	24.8	25.6	24.1	24.8	23.3	22.6	24.8	23.3
87.5°	12.8	12.0	12.0	10.5	10.5	10.5	9.8	10.5	9.8	9.0	9.8
90°	16.7	17.7	18.7	19.7	20.6	21.6	21.6	21.6	22.6	22.6	22.6
92.5°	316.4	213.2	153.3	114.0	104.6	95.3	79.6	76.7	74.7	72.7	74.7
95°	852.0	706.6	557.2	436.3	395.0	353.8	284.0	254.5	246.7	230.9	246.7
97.5°	1064.3	1013.2	894.3	772.4	713.4	654.5	595.5	544.4	517.9	506.1	517.9
100°	1133.1	1208.7	1160.6	1059.4	1008.3	957.2	889.4	818.6	782.2	766.5	782.2
102.5°	1091.8	1274.6	1323.7	1288.3	1257.8	1227.4	1153.7	1108.5	1068.2	1057.4	1068.2
105°	994.5	1230.4	1365.0	1408.2	1402.8	1397.4	1366.0	1333.5	1313.9	1302.1	1313.9
107.5°	902.1	1140.0	1317.8	1422.0	1443.6	1465.2	1474.1	1469.2	1459.3	1449.5	1459.3
110°	825.5	1037.7	1224.5	1363.0	1404.8	1446.6	1490.8	1509.5	1516.3	1516.3	1516.3

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	768.5	957.2	1132.1	1272.6	1323.7	1374.8	1444.6	1480.0	1499.6	1508.5	1499.6
115°	730.2	892.3	1044.6	1179.3	1232.8	1286.4	1363.0	1410.2	1437.7	1450.5	1437.7
117.5°	704.6	847.1	981.7	1099.7	1150.3	1200.9	1278.5	1327.7	1355.2	1363.0	1355.2
120°	684.0	811.7	929.7	1037.7	1081.0	1124.2	1197.0	1244.1	1270.7	1278.5	1270.7
122.5°	666.3	785.2	892.3	985.7	1025.5	1065.3	1128.2	1170.4	1197.0	1203.8	1197.0
125°	650.6	759.6	859.9	945.4	980.8	1016.1	1071.2	1111.5	1133.1	1142.9	1133.1
127.5°	635.8	733.1	828.4	909.0	942.4	975.8	1026.0	1062.3	1083.0	1086.9	1083.0
130°	621.1	708.5	795.0	871.7	903.6	935.5	984.7	1017.1	1036.8	1042.7	1036.8
132.5°	609.3	684.0	763.6	831.4	861.8	892.3	941.4	973.9	991.6	998.4	991.6
135°	600.4	663.3	731.1	794.0	822.0	850.1	893.3	925.7	943.4	949.3	943.4
137.5°	591.6	644.7	701.7	755.7	780.2	804.8	844.2	874.6	891.3	898.2	891.3
140°	585.7	629.9	676.1	721.3	742.0	762.6	798.9	824.5	839.2	844.2	839.2
142.5°	580.8	617.1	654.5	691.8	709.0	726.2	755.7	776.3	790.1	794.0	790.1
145°	575.9	606.3	636.8	667.3	680.6	693.8	717.4	734.1	744.9	748.8	744.9
147.5°	571.0	595.5	621.1	645.6	656.0	666.3	685.9	699.7	706.6	708.5	706.6
150°	565.1	586.7	608.3	627.0	635.8	644.7	659.4	671.2	675.1	676.1	675.1
152.5°	558.2	576.9	595.5	612.2	618.6	625.0	636.8	645.6	649.6	650.6	649.6
155°	550.3	567.0	582.8	596.5	601.9	607.3	617.1	624.0	627.0	628.0	627.0
157.5°	543.4	557.2	571.0	581.8	586.2	590.6	598.5	604.4	607.3	607.3	607.3
160°	534.6	547.4	557.2	567.0	570.4	573.9	580.8	585.7	587.7	586.7	587.7
162.5°	526.7	536.6	545.4	553.3	556.2	559.2	564.1	568.0	568.0	568.0	568.0
165°	518.9	526.7	533.6	539.5	542.0	544.4	548.4	550.3	550.3	550.3	550.3
167.5°	511.0	516.9	521.8	526.7	528.7	530.7	532.6	534.6	533.6	533.6	533.6
170°	504.1	509.0	512.0	514.9	515.9	516.9	518.9	519.9	519.9	518.9	519.9
172.5°	497.3	500.2	503.2	505.1	505.6	506.1	506.1	508.1	506.1	505.1	506.1
175°	491.4	494.3	494.3	496.3	496.3	496.3	496.3	497.3	495.3	494.3	495.3
177.5°	488.4	489.4	490.4	490.4	490.4	490.4	489.4	490.4	487.4	487.4	487.4
180°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	948.7	943.5	945.0	943.5	939.7	937.5	931.4	923.9	920.9	917.1	914.9
5°	1024.7	1021.0	1020.2	1014.2	1012.7	1003.7	988.6	981.1	972.1	963.0	954.0
7.5°	1107.5	1103.0	1087.9	1085.7	1087.2	1075.9	1056.3	1041.3	1022.5	1009.7	992.4
10°	1176.0	1166.9	1154.1	1154.9	1149.6	1134.6	1115.0	1099.2	1072.1	1055.6	1030.8
12.5°	1217.3	1209.8	1208.3	1200.8	1196.3	1176.7	1153.4	1133.1	1112.8	1090.2	1071.4
15°	1267.7	1258.0	1251.2	1240.7	1237.7	1217.3	1191.8	1168.4	1145.1	1124.0	1084.2
17.5°	1323.4	1312.9	1287.3	1285.1	1267.0	1247.4	1222.6	1188.0	1163.2	1133.1	1103.7
20°	1386.6	1371.6	1338.5	1330.2	1315.9	1283.5	1249.7	1211.3	1171.4	1140.6	1106.0
22.5°	1457.3	1431.0	1406.9	1380.6	1370.1	1330.2	1283.5	1236.9	1188.8	1146.6	1105.2
25°	1549.1	1514.5	1480.7	1454.3	1436.3	1384.4	1321.9	1260.2	1204.6	1149.6	1095.5
27.5°	1621.4	1591.3	1554.4	1519.8	1496.5	1434.8	1363.3	1283.5	1214.3	1147.4	1089.4
30°	1626.6	1617.6	1595.0	1576.2	1550.6	1484.4	1405.4	1315.1	1229.4	1148.1	1077.4
32.5°	1528.1	1546.1	1555.9	1558.9	1553.7	1515.3	1443.1	1343.7	1242.9	1141.4	1066.9
35°	1315.9	1364.1	1423.5	1446.1	1467.9	1488.2	1450.6	1364.1	1247.4	1139.8	1050.3
37.5°	1083.4	1127.1	1225.6	1270.8	1296.3	1376.8	1407.7	1361.0	1256.5	1141.4	1034.5
40°	874.3	943.5	1014.2	1075.1	1115.0	1205.3	1300.9	1311.4	1243.7	1127.1	1014.2
42.5°	735.8	776.4	829.9	886.3	921.7	1028.5	1157.9	1233.9	1203.8	1103.7	989.4
45°	626.7	656.8	707.2	726.0	771.2	873.5	1010.4	1120.3	1135.3	1066.9	960.8
47.5°	537.9	563.5	595.9	619.2	655.3	732.1	847.9	969.1	1041.3	1016.5	920.9
50°	474.0	495.1	522.1	535.7	559.0	628.2	715.5	835.9	932.9	941.2	869.0
52.5°	420.6	432.6	453.7	468.7	487.5	529.7	608.7	708.0	817.1	862.2	805.0
55°	373.9	383.7	402.5	412.3	422.1	458.2	519.9	610.2	712.5	771.9	739.6
57.5°	331.8	340.1	355.9	364.9	370.2	404.8	452.2	522.9	614.7	686.9	668.9
60°	297.2	304.7	313.7	320.5	326.5	355.1	388.2	445.4	527.4	597.4	592.9
62.5°	260.3	267.1	276.9	283.6	288.9	307.0	334.8	378.4	448.4	513.1	525.9
65°	228.0	233.2	240.0	243.0	249.8	263.3	285.9	325.0	382.2	440.1	449.2
67.5°	198.6	200.1	204.6	211.4	212.9	225.0	245.3	274.6	319.0	366.4	380.7
70°	167.0	169.3	173.0	178.3	181.3	188.8	206.2	225.7	264.1	305.5	316.0
72.5°	139.2	142.2	143.7	146.7	148.2	160.3	167.8	187.3	213.7	248.3	259.6
75°	112.9	115.9	116.6	118.1	119.6	124.9	135.4	147.5	169.3	191.9	206.9
77.5°	89.5	88.8	90.3	92.5	91.8	96.3	103.1	113.6	127.9	146.7	156.5
80°	63.2	63.2	65.5	67.7	67.0	71.5	73.7	81.3	93.3	105.3	109.1
82.5°	42.1	42.1	44.4	44.4	45.9	46.6	49.7	53.4	63.2	69.2	71.5
85°	24.1	24.1	24.8	24.8	24.8	26.3	28.6	30.1	33.1	36.9	38.4
87.5°	9.8	10.5	10.5	10.5	10.5	12.0	12.0	13.5	14.3	15.8	15.8
90°	21.6	21.6	21.6	20.6	19.7	18.7	17.7	16.7	15.7	13.8	12.8
92.5°	76.7	79.6	95.3	104.6	114.0	153.3	213.2	316.4	392.1	399.0	277.1
95°	254.5	284.0	353.8	395.0	436.3	557.2	706.6	852.0	870.7	710.5	439.3
97.5°	544.4	595.5	654.5	713.4	772.4	894.3	1013.2	1064.3	940.5	651.5	358.7
100°	818.6	889.4	957.2	1008.3	1059.4	1160.6	1208.7	1133.1	887.4	566.0	318.4
102.5°	1108.5	1153.7	1227.4	1257.8	1288.3	1323.7	1274.6	1091.8	794.0	501.2	301.7
105°	1333.5	1366.0	1397.4	1402.8	1408.2	1365.0	1230.4	994.5	712.5	463.8	299.7
107.5°	1469.2	1474.1	1465.2	1443.6	1422.0	1317.8	1140.0	902.1	651.5	444.2	306.6
110°	1509.5	1490.8	1446.6	1404.8	1363.0	1224.5	1037.7	825.5	611.3	436.3	317.4

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1480.0	1444.6	1374.8	1323.7	1272.6	1132.1	957.2	768.5	587.7	436.3	331.2
115°	1410.2	1363.0	1286.4	1232.8	1179.3	1044.6	892.3	730.2	571.9	439.3	344.9
117.5°	1327.7	1278.5	1200.9	1150.3	1099.7	981.7	847.1	704.6	563.1	444.2	360.7
120°	1244.1	1197.0	1124.2	1081.0	1037.7	929.7	811.7	684.0	557.2	452.1	376.4
122.5°	1170.4	1128.2	1065.3	1025.5	985.7	892.3	785.2	666.3	552.3	458.9	394.1
125°	1111.5	1071.2	1016.1	980.8	945.4	859.9	759.6	650.6	548.4	466.8	409.8
127.5°	1062.3	1026.0	975.8	942.4	909.0	828.4	733.1	635.8	546.4	475.6	424.5
130°	1017.1	984.7	935.5	903.6	871.7	795.0	708.5	621.1	544.4	483.5	439.3
132.5°	973.9	941.4	892.3	861.8	831.4	763.6	684.0	609.3	544.4	492.3	452.1
135°	925.7	893.3	850.1	822.0	794.0	731.1	663.3	600.4	544.4	500.2	463.8
137.5°	874.6	844.2	804.8	780.2	755.7	701.7	644.7	591.6	545.4	508.1	472.7
140°	824.5	798.9	762.6	742.0	721.3	676.1	629.9	585.7	546.4	513.0	481.5
142.5°	776.3	755.7	726.2	709.0	691.8	654.5	617.1	580.8	547.4	515.9	486.4
145°	734.1	717.4	693.8	680.6	667.3	636.8	606.3	575.9	546.4	517.9	491.4
147.5°	699.7	685.9	666.3	656.0	645.6	621.1	595.5	571.0	544.4	518.9	494.3
150°	671.2	659.4	644.7	635.8	627.0	608.3	586.7	565.1	541.5	518.9	497.3
152.5°	645.6	636.8	625.0	618.6	612.2	595.5	576.9	558.2	537.5	517.9	499.2
155°	624.0	617.1	607.3	601.9	596.5	582.8	567.0	550.3	532.6	515.9	500.2
157.5°	604.4	598.5	590.6	586.2	581.8	571.0	557.2	543.4	527.7	514.0	501.2
160°	585.7	580.8	573.9	570.4	567.0	557.2	547.4	534.6	522.8	511.0	501.2
162.5°	568.0	564.1	559.2	556.2	553.3	545.4	536.6	526.7	516.9	508.1	500.2
165°	550.3	548.4	544.4	542.0	539.5	533.6	526.7	518.9	511.0	505.1	499.2
167.5°	534.6	532.6	530.7	528.7	526.7	521.8	516.9	511.0	505.1	500.2	497.3
170°	519.9	518.9	516.9	515.9	514.9	512.0	509.0	504.1	500.2	497.3	495.3
172.5°	508.1	506.1	506.1	505.6	505.1	503.2	500.2	497.3	494.3	493.3	493.3
175°	497.3	496.3	496.3	496.3	496.3	494.3	494.3	491.4	490.4	490.4	491.4
177.5°	490.4	489.4	490.4	490.4	490.4	490.4	489.4	488.4	487.4	487.4	489.4
180°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	911.9	908.1	903.6	903.6	898.3	896.1	891.6	890.1	886.3	880.3	875.8
5°	944.2	934.4	928.4	923.2	911.9	903.6	895.3	886.3	877.3	866.7	854.7
7.5°	975.8	957.8	949.5	940.5	923.9	906.6	890.1	878.0	866.0	849.4	834.4
10°	1008.9	986.4	971.3	959.3	933.7	911.9	887.8	870.5	851.7	830.6	811.1
12.5°	1036.8	1007.4	994.6	972.1	942.7	916.4	886.3	860.0	835.1	810.3	786.2
15°	1060.1	1032.3	1000.7	991.6	951.0	913.4	879.5	845.7	814.8	790.0	762.2
17.5°	1067.6	1032.3	1016.5	994.6	946.5	907.4	864.5	827.6	798.3	761.4	739.6
20°	1069.9	1036.0	1014.2	993.9	951.0	899.1	857.0	811.8	776.4	739.6	705.0
22.5°	1063.9	1024.0	1002.9	983.4	935.2	890.8	841.9	792.2	750.9	717.0	682.4
25°	1052.6	1005.9	985.6	964.5	918.6	869.7	816.3	768.9	730.6	689.9	656.1
27.5°	1037.5	984.1	960.8	939.0	893.8	847.9	797.5	748.6	705.7	662.8	631.2
30°	1018.7	957.0	936.0	907.4	863.7	820.1	774.2	725.3	677.1	636.5	601.9
32.5°	994.6	929.9	902.1	875.0	827.6	787.7	744.1	698.2	651.6	611.7	575.6
35°	972.8	899.1	868.2	841.2	788.5	746.4	710.2	667.4	626.0	584.6	552.2
37.5°	943.5	868.2	831.4	803.5	750.1	707.2	673.4	640.3	596.6	556.8	526.7
40°	912.6	829.9	795.3	767.4	711.7	665.1	632.7	603.4	568.0	531.2	499.6
42.5°	884.8	793.0	756.1	722.3	665.9	624.5	591.4	568.8	536.4	503.3	474.7
45°	849.4	753.9	714.0	678.6	624.5	579.3	547.7	529.7	505.6	473.2	448.4
47.5°	813.3	711.7	670.4	635.8	577.1	537.2	506.3	489.0	472.5	446.9	422.1
50°	765.9	667.4	629.7	589.9	531.9	491.3	465.7	448.4	435.6	417.6	396.5
52.5°	714.0	621.5	580.8	546.2	489.0	452.2	422.8	413.1	400.3	386.7	368.7
55°	659.1	571.8	532.7	498.8	446.2	408.5	384.5	373.9	364.1	353.6	341.6
57.5°	604.2	519.9	483.0	452.9	404.0	367.9	348.3	334.1	327.3	321.3	311.5
60°	535.7	464.2	435.6	408.5	360.4	327.3	308.5	297.9	291.9	288.9	284.4
62.5°	475.5	416.8	385.2	358.9	320.5	291.2	273.1	264.8	259.6	258.1	252.8
65°	411.5	361.1	336.3	313.7	280.6	254.3	239.3	229.5	225.7	225.0	225.0
67.5°	351.4	310.7	285.9	270.1	241.5	218.2	203.9	200.1	197.9	194.9	194.1
70°	294.9	262.6	240.8	227.2	201.6	184.3	173.0	167.0	167.0	164.8	163.3
72.5°	245.3	212.9	198.6	187.3	166.3	151.2	143.0	141.4	136.2	135.4	135.4
75°	191.9	167.8	158.0	148.2	132.4	121.9	115.1	111.4	108.3	108.3	109.1
77.5°	144.5	127.9	118.9	111.4	100.1	93.3	88.0	86.5	83.5	83.5	83.5
80°	102.3	93.3	86.5	80.5	72.2	66.2	63.2	60.2	60.2	59.4	60.2
82.5°	66.2	58.7	54.9	54.2	46.6	44.4	40.6	41.4	39.1	38.4	39.9
85°	38.4	34.6	30.1	28.6	25.6	22.6	21.1	21.8	21.1	20.3	21.1
87.5°	15.0	12.8	12.0	12.0	9.8	9.0	8.3	9.0	7.5	7.5	8.3
90°	10.8	9.8	8.9	7.9	5.9	3.9	2.0	1.0	2.0	3.9	5.9
92.5°	165.1	98.3	80.6	62.9	42.3	27.5	17.7	14.7	17.7	27.5	42.3
95°	223.1	117.9	95.8	73.7	52.1	41.3	33.4	32.4	33.4	41.3	52.1
97.5°	192.6	119.9	103.7	87.5	67.8	57.0	51.1	50.1	51.1	57.0	67.8
100°	190.6	133.6	118.9	104.2	85.5	74.7	70.8	68.8	70.8	74.7	85.5
102.5°	199.5	150.4	136.2	121.9	105.2	93.4	90.4	89.4	90.4	93.4	105.2
105°	212.3	169.0	155.2	141.5	125.8	116.0	111.0	111.0	111.0	116.0	125.8
107.5°	230.0	187.7	175.4	163.1	146.4	138.6	133.6	131.7	133.6	138.6	146.4
110°	249.6	209.3	196.6	183.8	169.0	160.2	156.3	154.3	156.3	160.2	169.0

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	268.3	230.0	217.7	205.4	190.6	181.8	178.9	176.9	178.9	181.8	190.6
115°	287.9	251.6	239.3	227.0	212.3	203.4	200.5	198.5	200.5	203.4	212.3
117.5°	307.6	273.2	261.4	249.6	232.9	224.1	221.1	218.2	221.1	224.1	232.9
120°	329.2	294.8	282.5	270.2	253.5	244.7	240.8	237.8	240.8	244.7	253.5
122.5°	349.8	315.5	303.2	290.9	272.2	263.4	260.4	258.5	260.4	263.4	272.2
125°	367.5	335.1	322.4	309.6	290.9	282.0	277.1	275.2	277.1	282.0	290.9
127.5°	385.2	353.8	341.0	328.2	308.6	297.8	291.9	288.9	291.9	297.8	308.6
130°	401.9	371.5	358.7	345.9	325.3	312.5	304.6	301.7	304.6	312.5	325.3
132.5°	417.7	387.2	374.4	361.6	340.0	325.3	315.5	311.5	315.5	325.3	340.0
135°	431.4	400.9	387.6	374.4	353.8	338.1	326.3	322.3	326.3	338.1	353.8
137.5°	441.2	413.7	400.0	386.2	365.6	349.8	339.0	336.1	339.0	349.8	365.6
140°	452.1	423.6	410.3	397.0	378.3	362.6	350.8	347.9	350.8	362.6	378.3
142.5°	458.9	432.4	420.1	407.8	390.1	374.4	363.6	361.6	363.6	374.4	390.1
145°	466.8	441.2	429.9	418.6	400.9	387.2	377.4	375.4	377.4	387.2	400.9
147.5°	471.7	449.1	438.8	428.5	412.7	400.0	391.1	390.1	391.1	400.0	412.7
150°	476.6	455.0	446.6	438.3	424.5	411.8	404.9	402.9	404.9	411.8	424.5
152.5°	481.5	461.9	454.5	447.1	434.4	423.6	417.7	416.7	417.7	423.6	434.4
155°	484.5	467.8	460.9	454.0	444.2	434.4	428.5	428.5	428.5	434.4	444.2
157.5°	487.4	472.7	467.3	461.9	453.0	444.2	439.3	439.3	439.3	444.2	453.0
160°	489.4	476.6	472.2	467.8	459.9	453.0	449.1	450.1	449.1	453.0	459.9
162.5°	491.4	480.5	477.1	473.7	467.8	461.9	457.9	458.9	457.9	461.9	467.8
165°	491.4	483.5	480.6	477.6	473.7	468.8	465.8	467.8	465.8	468.8	473.7
167.5°	491.4	484.5	482.5	480.5	477.6	474.7	472.7	473.7	472.7	474.7	477.6
170°	491.4	486.4	485.0	483.5	481.5	479.6	478.6	479.6	478.6	479.6	481.5
172.5°	490.4	486.4	486.0	485.5	484.5	482.5	481.5	483.5	481.5	482.5	484.5
175°	489.4	486.4	486.4	486.4	486.4	485.5	484.5	486.4	484.5	485.5	486.4
177.5°	488.4	486.4	486.4	486.4	487.4	486.4	486.4	488.4	486.4	486.4	487.4
180°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	874.3	872.8	869.0	866.7	859.2	850.2	847.2	839.6	842.7	837.4	837.4
5°	850.9	844.2	839.6	832.9	818.6	808.8	798.3	793.0	790.0	786.2	783.2
7.5°	820.8	815.6	811.1	798.3	782.5	768.9	756.1	750.9	741.1	734.3	731.3
10°	794.5	787.0	776.4	761.4	744.9	727.5	716.3	705.0	697.5	693.7	685.4
12.5°	767.4	758.4	747.1	725.3	707.2	696.7	676.4	665.9	662.1	659.1	649.3
15°	739.6	729.8	716.3	695.9	680.1	655.3	643.3	635.0	626.0	625.2	617.7
17.5°	714.8	702.7	691.4	666.6	647.0	625.2	618.5	609.4	601.1	592.1	588.4
20°	683.2	671.9	663.6	636.5	614.7	601.1	589.9	582.3	577.1	568.0	566.5
22.5°	654.6	642.5	631.2	610.9	592.1	574.8	561.3	553.0	550.7	547.0	540.2
25°	626.7	614.7	601.1	582.3	562.8	550.7	538.7	533.4	528.9	522.9	517.6
27.5°	603.4	592.1	579.3	556.0	539.5	530.4	517.6	511.6	505.6	502.6	500.3
30°	575.6	562.8	553.0	534.9	516.9	504.8	495.8	490.5	485.3	482.3	480.8
32.5°	548.5	536.4	529.7	510.1	495.8	481.5	474.7	471.0	468.0	465.0	462.0
35°	526.7	514.6	504.1	486.0	471.7	462.0	456.7	450.7	448.4	445.4	445.4
37.5°	499.6	490.5	480.0	462.7	449.9	442.4	437.9	430.4	429.6	428.1	425.8
40°	476.3	467.2	457.4	442.4	431.1	422.1	416.1	412.3	410.0	408.5	407.0
42.5°	451.4	441.6	437.1	419.8	410.0	401.0	398.0	394.2	393.5	390.5	386.7
45°	427.3	419.1	410.0	397.3	389.0	381.5	376.9	373.9	370.2	369.4	367.2
47.5°	406.3	396.5	388.2	376.2	367.2	361.1	357.4	353.6	350.6	348.3	346.1
50°	379.2	371.7	364.9	352.1	344.6	338.6	333.3	330.3	327.3	327.3	327.3
52.5°	352.9	346.1	340.1	331.0	322.0	316.7	310.7	308.5	307.0	304.7	307.0
55°	327.3	320.5	314.5	307.7	297.2	292.7	286.7	284.4	285.1	285.1	287.4
57.5°	300.2	294.9	291.2	282.9	273.1	268.6	264.8	262.6	262.6	265.6	266.3
60°	273.9	268.6	261.8	254.3	248.3	243.0	240.8	241.5	241.5	243.0	246.8
62.5°	244.5	241.5	237.8	227.2	223.5	219.7	216.7	218.9	218.2	222.0	227.2
65°	217.4	214.4	209.2	203.9	199.4	195.6	194.9	195.6	197.1	200.9	206.9
67.5°	187.3	187.3	182.8	178.3	174.6	170.8	171.5	172.3	173.8	178.3	187.3
70°	162.5	159.5	155.0	152.0	149.0	147.5	146.0	149.0	153.5	156.5	163.3
72.5°	135.4	133.2	129.4	126.4	125.6	124.1	123.4	124.9	129.4	134.7	142.2
75°	106.8	107.6	105.3	103.1	103.1	100.8	102.3	102.3	106.8	112.1	118.1
77.5°	82.8	82.0	81.3	79.8	79.0	79.0	79.0	80.5	85.0	88.0	94.0
80°	58.7	59.4	57.2	57.9	57.2	57.9	57.9	60.9	63.2	67.0	71.5
82.5°	39.1	39.1	37.6	38.4	38.4	38.4	39.1	40.6	43.6	46.6	49.7
85°	21.8	22.6	21.1	22.6	22.6	22.6	23.3	24.1	26.3	27.1	30.1
87.5°	8.3	9.8	9.8	8.3	9.0	9.8	10.5	9.8	11.3	12.8	13.5
90°	7.9	8.9	9.8	10.8	12.8	13.8	15.7	16.7	17.7	18.7	19.7
92.5°	62.9	80.6	98.3	165.1	277.1	399.0	392.1	316.4	213.2	153.3	114.0
95°	73.7	95.8	117.9	223.1	439.3	710.5	870.7	852.0	706.6	557.2	436.3
97.5°	87.5	103.7	119.9	192.6	358.7	651.5	940.5	1064.3	1013.2	894.3	772.4
100°	104.2	118.9	133.6	190.6	318.4	566.0	887.4	1133.1	1208.7	1160.6	1059.4
102.5°	121.9	136.2	150.4	199.5	301.7	501.2	794.0	1091.8	1274.6	1323.7	1288.3
105°	141.5	155.2	169.0	212.3	299.7	463.8	712.5	994.5	1230.4	1365.0	1408.2
107.5°	163.1	175.4	187.7	230.0	306.6	444.2	651.5	902.1	1140.0	1317.8	1422.0
110°	183.8	196.6	209.3	249.6	317.4	436.3	611.3	825.5	1037.7	1224.5	1363.0

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	205.4	217.7	230.0	268.3	331.2	436.3	587.7	768.5	957.2	1132.1	1272.6
115°	227.0	239.3	251.6	287.9	344.9	439.3	571.9	730.2	892.3	1044.6	1179.3
117.5°	249.6	261.4	273.2	307.6	360.7	444.2	563.1	704.6	847.1	981.7	1099.7
120°	270.2	282.5	294.8	329.2	376.4	452.1	557.2	684.0	811.7	929.7	1037.7
122.5°	290.9	303.2	315.5	349.8	394.1	458.9	552.3	666.3	785.2	892.3	985.7
125°	309.6	322.4	335.1	367.5	409.8	466.8	548.4	650.6	759.6	859.9	945.4
127.5°	328.2	341.0	353.8	385.2	424.5	475.6	546.4	635.8	733.1	828.4	909.0
130°	345.9	358.7	371.5	401.9	439.3	483.5	544.4	621.1	708.5	795.0	871.7
132.5°	361.6	374.4	387.2	417.7	452.1	492.3	544.4	609.3	684.0	763.6	831.4
135°	374.4	387.6	400.9	431.4	463.8	500.2	544.4	600.4	663.3	731.1	794.0
137.5°	386.2	400.0	413.7	441.2	472.7	508.1	545.4	591.6	644.7	701.7	755.7
140°	397.0	410.3	423.6	452.1	481.5	513.0	546.4	585.7	629.9	676.1	721.3
142.5°	407.8	420.1	432.4	458.9	486.4	515.9	547.4	580.8	617.1	654.5	691.8
145°	418.6	429.9	441.2	466.8	491.4	517.9	546.4	575.9	606.3	636.8	667.3
147.5°	428.5	438.8	449.1	471.7	494.3	518.9	544.4	571.0	595.5	621.1	645.6
150°	438.3	446.6	455.0	476.6	497.3	518.9	541.5	565.1	586.7	608.3	627.0
152.5°	447.1	454.5	461.9	481.5	499.2	517.9	537.5	558.2	576.9	595.5	612.2
155°	454.0	460.9	467.8	484.5	500.2	515.9	532.6	550.3	567.0	582.8	596.5
157.5°	461.9	467.3	472.7	487.4	501.2	514.0	527.7	543.4	557.2	571.0	581.8
160°	467.8	472.2	476.6	489.4	501.2	511.0	522.8	534.6	547.4	557.2	567.0
162.5°	473.7	477.1	480.5	491.4	500.2	508.1	516.9	526.7	536.6	545.4	553.3
165°	477.6	480.6	483.5	491.4	499.2	505.1	511.0	518.9	526.7	533.6	539.5
167.5°	480.5	482.5	484.5	491.4	497.3	500.2	505.1	511.0	516.9	521.8	526.7
170°	483.5	485.0	486.4	491.4	495.3	497.3	500.2	504.1	509.0	512.0	514.9
172.5°	485.5	486.0	486.4	490.4	493.3	493.3	494.3	497.3	500.2	503.2	505.1
175°	486.4	486.4	486.4	489.4	491.4	490.4	490.4	491.4	494.3	494.3	496.3
177.5°	486.4	486.4	486.4	488.4	489.4	487.4	487.4	488.4	489.4	490.4	490.4
180°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	840.4	835.1	834.4	835.9	832.9	837.4	835.9	837.4	833.6	837.4	835.1
5°	782.5	781.0	778.0	774.2	774.9	775.7	779.5	775.7	778.7	779.5	783.2
7.5°	728.3	725.3	727.5	726.0	719.3	717.8	719.3	721.5	726.0	729.1	731.3
10°	684.7	683.2	680.1	677.9	674.1	671.9	674.9	671.9	677.9	683.2	683.2
12.5°	651.6	645.5	641.8	641.0	632.7	634.3	637.3	639.5	646.3	649.3	649.3
15°	616.9	612.4	610.9	607.9	604.9	607.9	606.4	608.7	611.7	614.7	616.2
17.5°	586.9	586.1	586.9	579.3	581.6	577.8	578.6	582.3	580.1	582.3	586.9
20°	559.8	561.3	559.0	556.0	556.0	551.5	556.8	555.3	556.0	560.5	567.3
22.5°	539.5	538.7	536.4	534.2	531.2	531.9	532.7	531.2	537.2	541.0	541.7
25°	517.6	516.1	515.4	513.1	510.1	513.1	512.4	513.1	514.6	520.6	516.1
27.5°	497.3	494.3	495.8	493.6	492.8	493.6	493.6	494.3	495.8	496.6	497.3
30°	480.0	477.0	476.3	474.7	474.0	474.7	476.3	474.7	480.8	480.0	480.0
32.5°	461.2	458.9	457.4	457.4	456.7	455.9	456.7	457.4	462.0	458.9	462.0
35°	443.1	441.6	441.6	440.1	439.4	439.4	439.4	442.4	440.9	443.1	443.1
37.5°	425.8	425.8	425.1	423.6	422.8	423.6	422.8	424.3	423.6	424.3	425.1
40°	407.8	406.3	405.5	405.5	403.3	401.0	403.3	403.3	404.0	406.3	407.0
42.5°	386.0	386.7	386.7	383.7	383.7	383.7	384.5	385.2	385.2	386.7	386.7
45°	367.2	365.7	365.7	365.7	364.1	364.9	366.4	366.4	366.4	366.4	364.9
47.5°	346.1	346.1	346.8	346.8	349.1	348.3	348.3	347.6	346.1	346.1	346.8
50°	326.5	328.8	329.5	329.5	330.3	331.0	331.0	329.5	328.8	326.5	326.5
52.5°	307.7	309.2	310.7	313.0	314.5	313.7	313.7	312.2	309.2	308.5	307.7
55°	287.4	289.7	292.7	294.9	297.2	297.9	297.9	294.9	291.9	288.2	288.2
57.5°	268.6	270.9	276.1	278.4	281.4	281.4	279.9	277.6	273.1	270.1	267.8
60°	249.8	253.5	257.3	261.8	265.6	266.3	264.1	261.1	255.8	252.0	249.0
62.5°	229.5	233.2	240.8	245.3	248.3	248.3	248.3	244.5	237.8	232.5	228.0
65°	209.9	213.7	220.4	226.5	228.7	231.0	228.7	225.0	219.7	213.7	209.2
67.5°	189.6	194.1	200.9	205.4	208.4	210.7	209.2	206.2	199.4	191.1	188.1
70°	167.0	169.3	179.1	183.6	188.1	189.6	188.1	183.6	176.8	167.8	164.8
72.5°	146.0	148.2	157.2	161.0	164.8	166.3	164.0	161.0	155.0	146.7	143.0
75°	121.9	125.6	130.2	136.2	140.7	142.2	139.9	137.7	130.2	124.9	121.9
77.5°	96.3	100.1	106.1	111.4	115.9	115.1	112.1	112.9	104.6	98.6	96.3
80°	73.0	76.0	80.5	85.0	87.3	87.3	86.5	83.5	80.5	76.0	72.2
82.5°	50.4	54.2	57.9	60.9	60.9	61.7	60.2	59.4	56.4	52.7	51.9
85°	30.1	30.8	33.9	33.9	36.9	35.4	34.6	36.9	33.9	31.6	30.8
87.5°	13.5	12.8	13.5	13.5	12.8	14.3	14.3	13.5	14.3	13.5	13.5
90°	20.6	21.6	21.6	21.6	22.6	22.6	22.6	21.6	21.6	21.6	20.6
92.5°	104.6	95.3	79.6	76.7	74.7	72.7	74.7	76.7	79.6	95.3	104.6
95°	395.0	353.8	284.0	254.5	246.7	230.9	246.7	254.5	284.0	353.8	395.0
97.5°	713.4	654.5	595.5	544.4	517.9	506.1	517.9	544.4	595.5	654.5	713.4
100°	1008.3	957.2	889.4	818.6	782.2	766.5	782.2	818.6	889.4	957.2	1008.3
102.5°	1257.8	1227.4	1153.7	1108.5	1068.2	1057.4	1068.2	1108.5	1153.7	1227.4	1257.8
105°	1402.8	1397.4	1366.0	1333.5	1313.9	1302.1	1313.9	1333.5	1366.0	1397.4	1402.8
107.5°	1443.6	1465.2	1474.1	1469.2	1459.3	1449.5	1459.3	1469.2	1474.1	1465.2	1443.6
110°	1404.8	1446.6	1490.8	1509.5	1516.3	1516.3	1516.3	1509.5	1490.8	1446.6	1404.8



TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1323.7	1374.8	1444.6	1480.0	1499.6	1508.5	1499.6	1480.0	1444.6	1374.8	1323.7
115°	1232.8	1286.4	1363.0	1410.2	1437.7	1450.5	1437.7	1410.2	1363.0	1286.4	1232.8
117.5°	1150.3	1200.9	1278.5	1327.7	1355.2	1363.0	1355.2	1327.7	1278.5	1200.9	1150.3
120°	1081.0	1124.2	1197.0	1244.1	1270.7	1278.5	1270.7	1244.1	1197.0	1124.2	1081.0
122.5°	1025.5	1065.3	1128.2	1170.4	1197.0	1203.8	1197.0	1170.4	1128.2	1065.3	1025.5
125°	980.8	1016.1	1071.2	1111.5	1133.1	1142.9	1133.1	1111.5	1071.2	1016.1	980.8
127.5°	942.4	975.8	1026.0	1062.3	1083.0	1086.9	1083.0	1062.3	1026.0	975.8	942.4
130°	903.6	935.5	984.7	1017.1	1036.8	1042.7	1036.8	1017.1	984.7	935.5	903.6
132.5°	861.8	892.3	941.4	973.9	991.6	998.4	991.6	973.9	941.4	892.3	861.8
135°	822.0	850.1	893.3	925.7	943.4	949.3	943.4	925.7	893.3	850.1	822.0
137.5°	780.2	804.8	844.2	874.6	891.3	898.2	891.3	874.6	844.2	804.8	780.2
140°	742.0	762.6	798.9	824.5	839.2	844.2	839.2	824.5	798.9	762.6	742.0
142.5°	709.0	726.2	755.7	776.3	790.1	794.0	790.1	776.3	755.7	726.2	709.0
145°	680.6	693.8	717.4	734.1	744.9	748.8	744.9	734.1	717.4	693.8	680.6
147.5°	656.0	666.3	685.9	699.7	706.6	708.5	706.6	699.7	685.9	666.3	656.0
150°	635.8	644.7	659.4	671.2	675.1	676.1	675.1	671.2	659.4	644.7	635.8
152.5°	618.6	625.0	636.8	645.6	649.6	650.6	649.6	645.6	636.8	625.0	618.6
155°	601.9	607.3	617.1	624.0	627.0	628.0	627.0	624.0	617.1	607.3	601.9
157.5°	586.2	590.6	598.5	604.4	607.3	607.3	607.3	604.4	598.5	590.6	586.2
160°	570.4	573.9	580.8	585.7	587.7	586.7	587.7	585.7	580.8	573.9	570.4
162.5°	556.2	559.2	564.1	568.0	568.0	568.0	568.0	568.0	564.1	559.2	556.2
165°	542.0	544.4	548.4	550.3	550.3	550.3	550.3	550.3	548.4	544.4	542.0
167.5°	528.7	530.7	532.6	534.6	533.6	533.6	533.6	534.6	532.6	530.7	528.7
170°	515.9	516.9	518.9	519.9	519.9	518.9	519.9	519.9	518.9	516.9	515.9
172.5°	505.6	506.1	506.1	508.1	506.1	505.1	506.1	508.1	506.1	506.1	505.6
175°	496.3	496.3	496.3	497.3	495.3	494.3	495.3	497.3	496.3	496.3	496.3
177.5°	490.4	490.4	489.4	490.4	487.4	487.4	487.4	490.4	489.4	490.4	490.4
180°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	841.9	837.4	842.7	835.9	837.4	845.7	844.9	852.4	857.0	856.2	860.0
5°	786.2	786.2	788.5	787.7	795.3	802.0	811.1	818.6	826.9	831.4	836.6
7.5°	731.3	738.8	740.3	744.1	753.1	764.4	773.4	784.7	796.8	805.0	811.1
10°	686.2	692.2	698.2	701.2	711.0	726.0	738.8	756.9	771.9	781.0	789.2
12.5°	646.3	653.1	656.1	669.6	676.4	686.2	704.2	723.8	740.3	750.1	756.9
15°	617.7	621.5	628.2	636.5	643.3	655.3	670.4	692.2	708.0	716.3	739.6
17.5°	593.6	598.1	601.9	605.7	616.2	629.0	643.3	662.1	682.4	696.7	708.7
20°	568.8	571.1	575.6	581.6	589.1	601.1	613.9	633.5	651.6	662.8	678.6
22.5°	539.5	546.2	550.7	555.3	563.5	577.1	589.1	603.4	626.0	638.8	655.3
25°	522.1	525.2	528.2	533.4	539.5	551.5	565.0	580.1	598.1	611.7	626.0
27.5°	499.6	504.1	507.9	514.6	518.4	528.2	541.0	556.0	577.8	589.1	601.1
30°	480.8	485.3	488.3	491.3	496.6	507.1	519.1	531.2	551.5	565.8	577.8
32.5°	462.0	466.5	470.2	472.5	477.8	484.5	494.3	509.4	526.7	536.4	552.2
35°	445.4	445.4	449.9	452.9	457.4	463.5	472.5	483.8	501.8	514.6	528.9
37.5°	426.6	427.3	431.1	433.4	437.9	443.9	452.9	463.5	478.5	488.3	502.6
40°	407.0	409.3	410.8	414.6	419.8	422.1	431.1	443.1	458.2	467.2	479.3
42.5°	387.5	389.0	392.7	395.7	400.3	404.0	410.0	421.3	432.6	446.2	455.9
45°	365.7	369.4	371.7	376.9	379.2	383.0	389.0	398.0	411.5	419.8	431.1
47.5°	346.8	348.3	349.9	356.6	361.1	363.4	369.4	374.7	389.0	396.5	407.0
50°	326.5	326.5	328.8	331.8	337.1	341.6	346.8	352.9	364.1	371.7	382.2
52.5°	307.7	305.5	307.0	308.5	313.7	318.3	323.5	331.8	342.3	346.8	355.9
55°	287.4	283.6	285.9	288.2	289.7	295.7	301.7	307.0	315.2	322.0	330.3
57.5°	265.6	264.8	263.3	264.1	267.8	271.6	276.1	282.9	292.7	297.9	302.5
60°	246.0	241.5	240.0	241.5	243.8	246.0	252.0	258.1	266.3	271.6	276.9
62.5°	225.7	221.2	218.2	215.9	218.2	223.5	227.2	231.7	238.5	244.5	249.0
65°	206.2	199.4	196.4	194.9	194.1	197.9	200.9	206.9	212.9	215.2	220.4
67.5°	184.3	178.3	174.6	172.3	172.3	172.3	175.3	181.3	187.3	188.1	193.4
70°	162.5	155.7	152.0	149.0	147.5	149.0	152.7	153.5	158.8	160.3	163.3
72.5°	139.2	133.2	128.7	124.9	125.6	127.2	127.2	128.7	131.7	135.4	135.4
75°	117.4	109.1	106.8	103.8	102.3	102.3	102.3	105.3	107.6	110.6	109.8
77.5°	92.5	88.0	83.5	82.0	79.8	79.0	80.5	80.5	82.0	84.3	85.0
80°	71.5	66.2	63.2	61.7	58.7	57.9	58.7	58.7	60.9	60.2	60.9
82.5°	49.7	45.9	43.6	41.4	39.9	40.6	39.9	39.9	40.6	39.9	39.9
85°	28.6	27.8	26.3	25.6	24.8	23.3	24.8	24.1	23.3	22.6	24.1
87.5°	13.5	12.8	12.8	11.3	11.3	10.5	11.3	11.3	10.5	10.5	10.5
90°	19.7	18.7	17.7	16.7	15.7	13.8	12.8	10.8	9.8	8.9	7.9
92.5°	114.0	153.3	213.2	316.4	392.1	399.0	277.1	165.1	98.3	80.6	62.9
95°	436.3	557.2	706.6	852.0	870.7	710.5	439.3	223.1	117.9	95.8	73.7
97.5°	772.4	894.3	1013.2	1064.3	940.5	651.5	358.7	192.6	119.9	103.7	87.5
100°	1059.4	1160.6	1208.7	1133.1	887.4	566.0	318.4	190.6	133.6	118.9	104.2
102.5°	1288.3	1323.7	1274.6	1091.8	794.0	501.2	301.7	199.5	150.4	136.2	121.9
105°	1408.2	1365.0	1230.4	994.5	712.5	463.8	299.7	212.3	169.0	155.2	141.5
107.5°	1422.0	1317.8	1140.0	902.1	651.5	444.2	306.6	230.0	187.7	175.4	163.1
110°	1363.0	1224.5	1037.7	825.5	611.3	436.3	317.4	249.6	209.3	196.6	183.8

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1272.6	1132.1	957.2	768.5	587.7	436.3	331.2	268.3	230.0	217.7	205.4
115°	1179.3	1044.6	892.3	730.2	571.9	439.3	344.9	287.9	251.6	239.3	227.0
117.5°	1099.7	981.7	847.1	704.6	563.1	444.2	360.7	307.6	273.2	261.4	249.6
120°	1037.7	929.7	811.7	684.0	557.2	452.1	376.4	329.2	294.8	282.5	270.2
122.5°	985.7	892.3	785.2	666.3	552.3	458.9	394.1	349.8	315.5	303.2	290.9
125°	945.4	859.9	759.6	650.6	548.4	466.8	409.8	367.5	335.1	322.4	309.6
127.5°	909.0	828.4	733.1	635.8	546.4	475.6	424.5	385.2	353.8	341.0	328.2
130°	871.7	795.0	708.5	621.1	544.4	483.5	439.3	401.9	371.5	358.7	345.9
132.5°	831.4	763.6	684.0	609.3	544.4	492.3	452.1	417.7	387.2	374.4	361.6
135°	794.0	731.1	663.3	600.4	544.4	500.2	463.8	431.4	400.9	387.6	374.4
137.5°	755.7	701.7	644.7	591.6	545.4	508.1	472.7	441.2	413.7	400.0	386.2
140°	721.3	676.1	629.9	585.7	546.4	513.0	481.5	452.1	423.6	410.3	397.0
142.5°	691.8	654.5	617.1	580.8	547.4	515.9	486.4	458.9	432.4	420.1	407.8
145°	667.3	636.8	606.3	575.9	546.4	517.9	491.4	466.8	441.2	429.9	418.6
147.5°	645.6	621.1	595.5	571.0	544.4	518.9	494.3	471.7	449.1	438.8	428.5
150°	627.0	608.3	586.7	565.1	541.5	518.9	497.3	476.6	455.0	446.6	438.3
152.5°	612.2	595.5	576.9	558.2	537.5	517.9	499.2	481.5	461.9	454.5	447.1
155°	596.5	582.8	567.0	550.3	532.6	515.9	500.2	484.5	467.8	460.9	454.0
157.5°	581.8	571.0	557.2	543.4	527.7	514.0	501.2	487.4	472.7	467.3	461.9
160°	567.0	557.2	547.4	534.6	522.8	511.0	501.2	489.4	476.6	472.2	467.8
162.5°	553.3	545.4	536.6	526.7	516.9	508.1	500.2	491.4	480.5	477.1	473.7
165°	539.5	533.6	526.7	518.9	511.0	505.1	499.2	491.4	483.5	480.6	477.6
167.5°	526.7	521.8	516.9	511.0	505.1	500.2	497.3	491.4	484.5	482.5	480.5
170°	514.9	512.0	509.0	504.1	500.2	497.3	495.3	491.4	486.4	485.0	483.5
172.5°	505.1	503.2	500.2	497.3	494.3	493.3	493.3	490.4	486.4	486.0	485.5
175°	496.3	494.3	494.3	491.4	490.4	490.4	491.4	489.4	486.4	486.4	486.4
177.5°	490.4	490.4	489.4	488.4	487.4	487.4	489.4	488.4	486.4	486.4	486.4
180°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	886.3	886.3	886.3	886.3
2.5°	865.2	872.8	878.0	887.8
5°	845.7	859.2	872.0	885.5
7.5°	826.1	841.9	862.2	879.5
10°	804.3	824.6	848.7	872.0
12.5°	782.5	806.5	832.9	863.7
15°	756.1	787.0	817.8	850.9
17.5°	732.8	764.4	797.5	838.9
20°	706.5	741.1	777.2	819.3
22.5°	683.2	721.5	759.1	803.5
25°	656.8	694.4	735.8	783.2
27.5°	635.0	669.6	710.2	761.4
30°	608.7	646.3	686.9	738.1
32.5°	583.8	620.0	662.8	713.3
35°	558.3	595.1	633.5	681.7
37.5°	534.2	565.8	604.2	650.1
40°	507.1	541.7	576.3	612.4
42.5°	482.3	513.9	546.2	574.8
45°	454.4	481.5	512.4	535.7
47.5°	428.9	452.9	477.0	495.1
50°	403.3	422.1	440.1	455.9
52.5°	373.2	394.2	404.0	413.8
55°	346.1	358.1	367.2	376.9
57.5°	319.8	325.0	329.5	338.6
60°	285.1	291.2	296.4	303.2
62.5°	255.1	258.1	259.6	266.3
65°	226.5	225.7	229.5	233.2
67.5°	195.6	194.9	198.6	200.1
70°	165.5	164.8	165.5	169.3
72.5°	136.9	136.9	137.7	139.2
75°	110.6	110.6	111.4	112.9
77.5°	83.5	85.0	84.3	87.3
80°	60.9	59.4	60.9	62.4
82.5°	39.9	41.4	41.4	39.9
85°	22.6	22.6	22.6	22.6
87.5°	9.8	9.8	10.5	11.3
90°	5.9	3.9	2.0	1.0
92.5°	42.3	27.5	17.7	14.7
95°	52.1	41.3	33.4	32.4
97.5°	67.8	57.0	51.1	50.1
100°	85.5	74.7	70.8	68.8
102.5°	105.2	93.4	90.4	89.4
105°	125.8	116.0	111.0	111.0
107.5°	146.4	138.6	133.6	131.7
110°	169.0	160.2	156.3	154.3

TEST NUMBER: P1027999

CATALOG NUMBER: S125DIP-B610D1090UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	190.6	181.8	178.9	176.9
115°	212.3	203.4	200.5	198.5
117.5°	232.9	224.1	221.1	218.2
120°	253.5	244.7	240.8	237.8
122.5°	272.2	263.4	260.4	258.5
125°	290.9	282.0	277.1	275.2
127.5°	308.6	297.8	291.9	288.9
130°	325.3	312.5	304.6	301.7
132.5°	340.0	325.3	315.5	311.5
135°	353.8	338.1	326.3	322.3
137.5°	365.6	349.8	339.0	336.1
140°	378.3	362.6	350.8	347.9
142.5°	390.1	374.4	363.6	361.6
145°	400.9	387.2	377.4	375.4
147.5°	412.7	400.0	391.1	390.1
150°	424.5	411.8	404.9	402.9
152.5°	434.4	423.6	417.7	416.7
155°	444.2	434.4	428.5	428.5
157.5°	453.0	444.2	439.3	439.3
160°	459.9	453.0	449.1	450.1
162.5°	467.8	461.9	457.9	458.9
165°	473.7	468.8	465.8	467.8
167.5°	477.6	474.7	472.7	473.7
170°	481.5	479.6	478.6	479.6
172.5°	484.5	482.5	481.5	483.5
175°	486.4	485.5	484.5	486.4
177.5°	487.4	486.4	486.4	488.4
180°	487.4	487.4	487.4	487.4

(END OF REPORT)