

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: P1028178

Luminaire Tested: S125DIP-B610D850UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028178
REPORT IS A COMBINATION OF REPORTS P1002402 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D850UB40-4F0-XX-W2A-A1
Description: Define 5 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

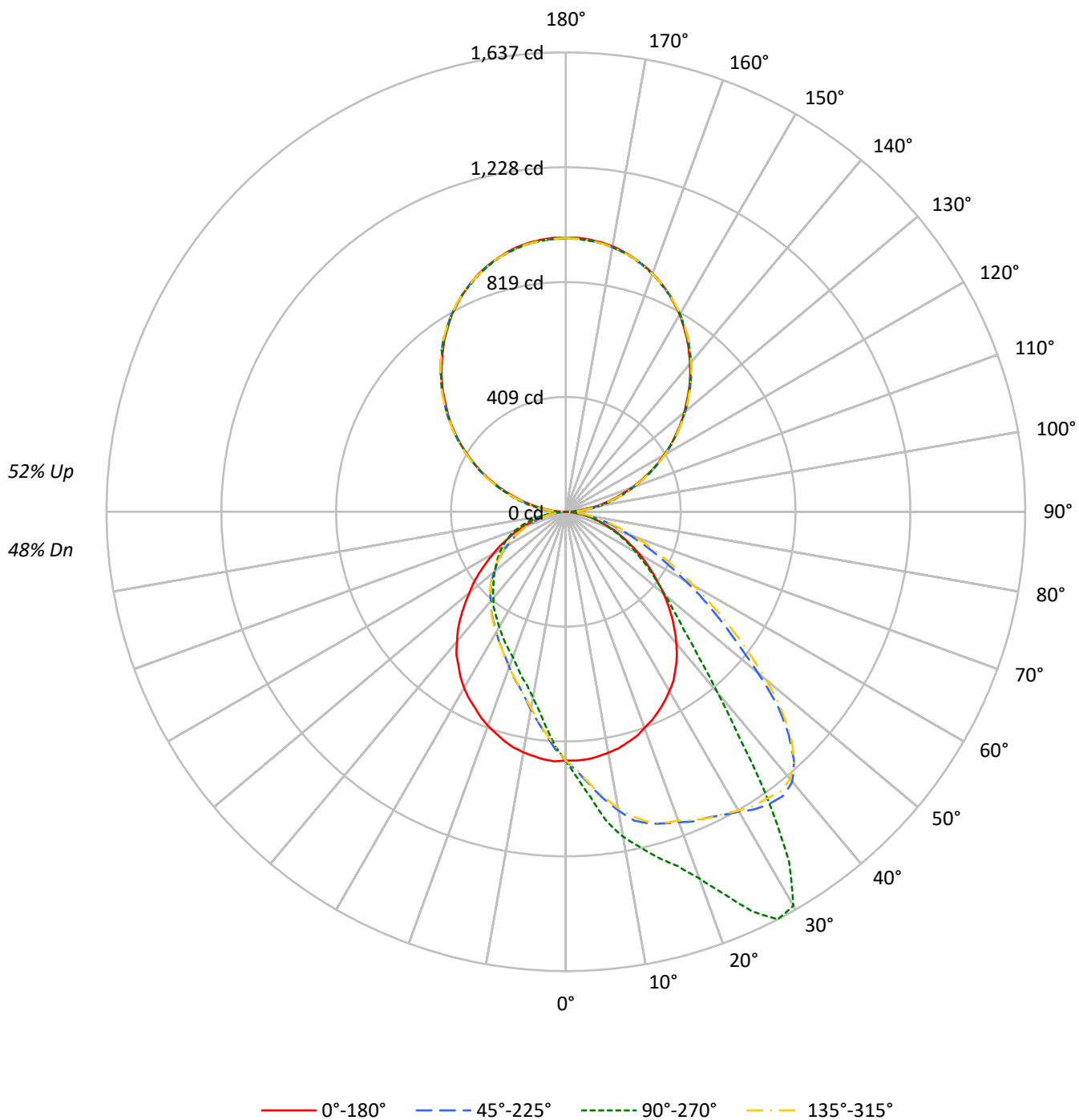
Lumens per Lamp: N/A
Luminaire Lumens: 5226.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46
2	89	82	76	71	82	75	70	66	64	60	57	53	50	48	43	41	39
3	81	72	65	59	75	67	60	55	56	52	48	47	43	41	38	36	34
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29
5	68	57	49	43	63	53	46	40	45	39	35	38	33	30	31	28	25
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22
7	58	46	38	33	53	43	36	31	37	31	27	31	27	23	25	22	20
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18
9	50	38	31	26	46	36	29	24	31	25	21	26	22	19	22	18	16
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15

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	1.6
10°-20°	254.1	4.9
20°-30°	412.7	7.9
30°-40°	504.4	9.7
40°-50°	457.5	8.8
50°-60°	364.4	7.0
60°-70°	253.8	4.9
70°-80°	135.2	2.6
80°-90°	35.0	0.7
90°-100°	64.9	1.2
100°-110°	192.8	3.7
110°-120°	326.9	6.3
120°-130°	430.4	8.2
130°-140°	482.3	9.2
140°-150°	472.7	9.0
150°-160°	397.1	7.6
160°-170°	264.0	5.1
170°-180°	92.4	1.8
0°-30°	752.1	14.4
0°-40°	1256.5	24.0
0°-60°	2078.4	39.8
0°-90°	2502.5	47.9
90°-120°	584.6	11.2
90°-150°	1970.1	37.7
90°-180°	2723.0	52.1
0°-180°	5226.0	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	18	1	18	1	5
95°	49	65	49	65	49	52
105°	173	188	173	188	173	185
115°	327	330	327	330	327	324
125°	478	481	478	481	478	428
135°	621	624	621	624	621	479
145°	753	756	753	756	753	470
155°	861	861	861	861	861	397
165°	936	934	936	934	936	264
175°	974	970	974	970	974	93
180°	976	976	976	976	976	

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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°	0.8	2.1	3.5	4.8	6.1	6.8	7.4	8.6	9.8	11.0	12.2
92.5°	22.8	23.6	24.5	25.3	26.2	26.6	27.4	28.9	30.4	31.9	33.4
95°	49.4	49.7	50.1	50.4	50.7	50.9	51.7	53.4	55.1	56.8	58.5
97.5°	75.9	76.1	76.3	76.4	76.6	76.7	77.9	80.2	82.6	84.9	87.3
100°	106.3	106.3	106.3	106.3	106.3	106.3	107.4	109.6	111.8	114.0	116.2
102.5°	139.0	139.8	140.7	141.5	142.4	142.8	143.2	144.1	144.9	145.8	146.6
105°	173.1	173.9	174.8	175.6	176.5	176.9	177.4	178.4	179.5	180.5	181.5
107.5°	210.4	211.2	212.1	212.9	213.8	214.2	214.6	215.4	216.3	217.1	217.9
110°	249.1	249.9	250.8	251.6	252.5	252.9	253.2	253.7	254.2	254.7	255.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	288.6	288.9	289.3	289.6	289.9	290.1	290.4	291.1	291.8	292.4	293.1
115°	327.3	328.0	328.6	329.3	330.0	330.3	330.5	330.8	331.2	331.5	331.9
117.5°	366.8	367.0	367.2	367.3	367.5	367.6	367.8	368.1	368.4	368.8	369.1
120°	403.2	404.0	404.9	405.7	406.6	407.0	407.1	407.3	407.4	407.6	407.8
122.5°	442.7	442.9	443.1	443.2	443.4	443.5	443.8	444.3	444.8	445.3	445.8
125°	477.7	478.7	479.7	480.7	481.7	482.2	482.3	482.5	482.6	482.8	483.0
127.5°	516.4	516.9	517.4	517.9	518.4	518.7	518.8	518.9	519.1	519.2	519.4
130°	550.6	551.4	552.3	553.1	554.0	554.4	554.6	554.9	555.2	555.6	555.9
132.5°	584.7	586.2	587.8	589.3	590.8	591.6	591.5	591.3	591.2	591.0	590.8
135°	621.2	622.2	623.2	624.3	625.3	625.8	625.9	626.0	626.2	626.3	626.5
137.5°	655.4	656.4	657.4	658.4	659.4	659.9	660.1	660.4	660.7	661.1	661.4
140°	688.0	688.8	689.7	690.5	691.4	691.8	692.1	692.6	693.1	693.6	694.1
142.5°	720.7	721.4	722.0	722.7	723.4	723.7	724.0	724.7	725.4	726.1	726.8
145°	752.6	753.3	753.9	754.6	755.3	755.6	755.9	756.4	756.9	757.4	757.9
147.5°	782.2	782.7	783.2	783.7	784.2	784.5	784.7	785.0	785.3	785.7	786.0
150°	811.8	811.6	811.4	811.3	811.1	811.0	811.3	812.0	812.7	813.4	814.1
152.5°	836.1	836.4	836.8	837.1	837.4	837.6	837.7	837.9	838.0	838.2	838.4
155°	861.2	861.2	861.2	861.2	861.2	861.2	861.3	861.4	861.6	861.7	861.9
157.5°	883.9	883.6	883.2	882.9	882.6	882.4	882.5	882.7	882.8	883.0	883.2
160°	903.7	903.2	902.7	902.2	901.7	901.4	901.5	901.7	901.8	902.0	902.2
162.5°	921.2	920.8	920.5	920.1	919.8	919.6	919.6	919.6	919.6	919.6	919.6
165°	936.3	936.0	935.6	935.3	935.0	934.8	934.9	935.1	935.2	935.4	935.6
167.5°	950.0	949.3	948.7	948.0	947.3	947.0	947.0	947.0	947.0	947.0	947.0
170°	960.6	959.9	959.3	958.6	957.9	957.6	957.6	957.6	957.6	957.6	957.6
172.5°	968.2	967.5	966.9	966.2	965.5	965.2	965.2	965.2	965.2	965.2	965.2
175°	973.6	972.9	972.2	971.5	970.8	970.5	970.5	970.5	970.5	970.5	970.5
177.5°	977.4	976.7	976.0	975.3	974.6	974.3	974.2	974.1	973.9	973.8	973.6
180°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8

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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°	13.0	13.8	14.7	15.5	15.9	16.2	16.7	17.2	17.7	18.2	17.7
92.5°	34.6	35.8	36.9	38.1	38.7	38.9	39.2	39.5	39.9	40.2	39.9
95°	59.7	60.9	62.0	63.2	63.8	64.0	64.3	64.6	65.0	65.3	65.0
97.5°	88.3	89.3	90.4	91.4	91.9	92.0	92.1	92.3	92.4	92.6	92.4
100°	117.7	119.2	120.7	122.2	123.0	123.2	123.5	123.8	124.2	124.5	124.2
102.5°	148.3	150.0	151.7	153.4	154.2	154.4	154.9	155.4	155.9	156.4	155.9
105°	182.5	183.5	184.6	185.6	186.1	186.3	186.8	187.3	187.8	188.3	187.8
107.5°	218.4	218.9	219.4	219.9	220.2	220.2	220.2	220.2	220.2	220.2	220.2
110°	255.7	256.2	256.7	257.2	257.4	257.3	257.2	257.0	256.9	256.7	256.9

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	293.3	293.5	293.6	293.8	293.9	293.7	293.4	293.1	292.7	292.4	292.7
115°	331.7	331.5	331.4	331.2	331.1	331.0	330.8	330.7	330.5	330.3	330.5
117.5°	369.3	369.4	369.6	369.7	369.8	369.5	368.8	368.1	367.5	366.8	367.5
120°	407.8	407.8	407.8	407.8	407.8	407.5	406.8	406.1	405.5	404.8	405.5
122.5°	445.6	445.4	445.3	445.1	445.0	444.7	444.2	443.7	443.2	442.7	443.2
125°	482.7	482.3	482.0	481.7	481.5	481.4	481.2	481.1	480.9	480.7	480.9
127.5°	519.2	519.1	518.9	518.8	518.7	518.5	518.2	517.9	517.5	517.2	517.5
130°	555.7	555.5	555.4	555.2	555.1	554.9	554.6	554.3	553.9	553.6	553.9
132.5°	590.6	590.5	590.3	590.2	590.1	589.8	589.3	588.8	588.3	587.8	588.3
135°	626.5	626.5	626.5	626.5	626.5	626.2	625.5	624.8	624.2	623.5	624.2
137.5°	661.6	661.8	661.9	662.1	662.2	661.8	660.9	660.1	659.2	658.4	659.2
140°	694.4	694.8	695.1	695.4	695.6	695.2	694.3	693.5	692.6	691.8	692.6
142.5°	727.0	727.1	727.3	727.4	727.5	727.1	726.2	725.4	724.5	723.7	724.5
145°	757.9	757.9	757.9	757.9	757.9	757.6	757.1	756.6	756.1	755.6	756.1
147.5°	786.5	787.0	787.5	788.0	788.3	787.6	786.3	784.9	783.6	782.2	783.6
150°	814.1	814.1	814.1	814.1	814.1	813.9	813.6	813.3	812.9	812.6	812.9
152.5°	838.9	839.4	839.9	840.4	840.7	840.4	839.7	839.0	838.3	837.6	838.3
155°	862.6	863.3	864.0	864.7	865.0	864.6	863.7	862.9	862.0	861.2	862.0
157.5°	883.9	884.5	885.2	885.9	886.2	885.6	884.4	883.3	882.1	880.9	882.1
160°	902.9	903.5	904.2	904.9	905.2	904.8	903.9	903.1	902.2	901.4	902.2
162.5°	920.4	921.3	922.1	923.0	923.4	922.9	921.9	920.9	919.9	918.9	919.9
165°	936.3	936.9	937.6	938.3	938.6	938.1	937.1	936.1	935.1	934.1	935.1
167.5°	948.0	949.0	950.0	951.0	951.5	951.0	950.0	949.0	948.0	947.0	948.0
170°	958.6	959.6	960.7	961.7	962.2	961.6	960.4	959.3	958.1	956.9	958.1
172.5°	966.2	967.2	968.3	969.3	969.8	969.3	968.3	967.2	966.2	965.2	966.2
175°	971.5	972.5	973.6	974.6	975.1	974.5	973.3	972.2	971.0	969.8	971.0
177.5°	974.6	975.6	976.6	977.6	978.1	977.5	976.3	975.2	974.0	972.8	974.0
180°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

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°	17.2	16.7	16.2	15.9	15.5	14.7	13.8	13.0	12.2	11.0	9.8
92.5°	39.5	39.2	38.9	38.7	38.1	36.9	35.8	34.6	33.4	31.9	30.4
95°	64.6	64.3	64.0	63.8	63.2	62.0	60.9	59.7	58.5	56.8	55.1
97.5°	92.3	92.1	92.0	91.9	91.4	90.4	89.3	88.3	87.3	84.9	82.6
100°	123.8	123.5	123.2	123.0	122.2	120.7	119.2	117.7	116.2	114.0	111.8
102.5°	155.4	154.9	154.4	154.2	153.4	151.7	150.0	148.3	146.6	145.8	144.9
105°	187.3	186.8	186.3	186.1	185.6	184.6	183.5	182.5	181.5	180.5	179.5
107.5°	220.2	220.2	220.2	220.2	219.9	219.4	218.9	218.4	217.9	217.1	216.3
110°	257.0	257.2	257.3	257.4	257.2	256.7	256.2	255.7	255.2	254.7	254.2

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	293.1	293.4	293.7	293.9	293.8	293.6	293.5	293.3	293.1	292.4	291.8
115°	330.7	330.8	331.0	331.1	331.2	331.4	331.5	331.7	331.9	331.5	331.2
117.5°	368.1	368.8	369.5	369.8	369.7	369.6	369.4	369.3	369.1	368.8	368.4
120°	406.1	406.8	407.5	407.8	407.8	407.8	407.8	407.8	407.8	407.6	407.4
122.5°	443.7	444.2	444.7	445.0	445.1	445.3	445.4	445.6	445.8	445.3	444.8
125°	481.1	481.2	481.4	481.5	481.7	482.0	482.3	482.7	483.0	482.8	482.6
127.5°	517.9	518.2	518.5	518.7	518.8	518.9	519.1	519.2	519.4	519.2	519.1
130°	554.3	554.6	554.9	555.1	555.2	555.4	555.5	555.7	555.9	555.6	555.2
132.5°	588.8	589.3	589.8	590.1	590.2	590.3	590.5	590.6	590.8	591.0	591.2
135°	624.8	625.5	626.2	626.5	626.5	626.5	626.5	626.5	626.5	626.3	626.2
137.5°	660.1	660.9	661.8	662.2	662.1	661.9	661.8	661.6	661.4	661.1	660.7
140°	693.5	694.3	695.2	695.6	695.4	695.1	694.8	694.4	694.1	693.6	693.1
142.5°	725.4	726.2	727.1	727.5	727.4	727.3	727.1	727.0	726.8	726.1	725.4
145°	756.6	757.1	757.6	757.9	757.9	757.9	757.9	757.9	757.9	757.4	756.9
147.5°	784.9	786.3	787.6	788.3	788.0	787.5	787.0	786.5	786.0	785.7	785.3
150°	813.3	813.6	813.9	814.1	814.1	814.1	814.1	814.1	814.1	813.4	812.7
152.5°	839.0	839.7	840.4	840.7	840.4	839.9	839.4	838.9	838.4	838.2	838.0
155°	862.9	863.7	864.6	865.0	864.7	864.0	863.3	862.6	861.9	861.7	861.6
157.5°	883.3	884.4	885.6	886.2	885.9	885.2	884.5	883.9	883.2	883.0	882.8
160°	903.1	903.9	904.8	905.2	904.9	904.2	903.5	902.9	902.2	902.0	901.8
162.5°	920.9	921.9	922.9	923.4	923.0	922.1	921.3	920.4	919.6	919.6	919.6
165°	936.1	937.1	938.1	938.6	938.3	937.6	936.9	936.3	935.6	935.4	935.2
167.5°	949.0	950.0	951.0	951.5	951.0	950.0	949.0	948.0	947.0	947.0	947.0
170°	959.3	960.4	961.6	962.2	961.7	960.7	959.6	958.6	957.6	957.6	957.6
172.5°	967.2	968.3	969.3	969.8	969.3	968.3	967.2	966.2	965.2	965.2	965.2
175°	972.2	973.3	974.5	975.1	974.6	973.6	972.5	971.5	970.5	970.5	970.5
177.5°	975.2	976.3	977.5	978.1	977.6	976.6	975.6	974.6	973.6	973.8	973.9
180°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

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°	8.6	7.4	6.8	6.1	4.8	3.5	2.1	0.8	2.1	3.5	4.8
92.5°	28.9	27.4	26.6	26.2	25.3	24.5	23.6	22.8	23.6	24.5	25.3
95°	53.4	51.7	50.9	50.7	50.4	50.1	49.7	49.4	49.7	50.1	50.4
97.5°	80.2	77.9	76.7	76.6	76.4	76.3	76.1	75.9	76.1	76.3	76.4
100°	109.6	107.4	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3
102.5°	144.1	143.2	142.8	142.4	141.5	140.7	139.8	139.0	139.8	140.7	141.5
105°	178.4	177.4	176.9	176.5	175.6	174.8	173.9	173.1	173.9	174.8	175.6
107.5°	215.4	214.6	214.2	213.8	212.9	212.1	211.2	210.4	211.2	212.1	212.9
110°	253.7	253.2	252.9	252.5	251.6	250.8	249.9	249.1	249.9	250.8	251.6

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	291.1	290.4	290.1	289.9	289.6	289.3	288.9	288.6	288.9	289.3	289.6
115°	330.8	330.5	330.3	330.0	329.3	328.6	328.0	327.3	328.0	328.6	329.3
117.5°	368.1	367.8	367.6	367.5	367.3	367.2	367.0	366.8	367.0	367.2	367.3
120°	407.3	407.1	407.0	406.6	405.7	404.9	404.0	403.2	404.0	404.9	405.7
122.5°	444.3	443.8	443.5	443.4	443.2	443.1	442.9	442.7	442.9	443.1	443.2
125°	482.5	482.3	482.2	481.7	480.7	479.7	478.7	477.7	478.7	479.7	480.7
127.5°	518.9	518.8	518.7	518.4	517.9	517.4	516.9	516.4	516.9	517.4	517.9
130°	554.9	554.6	554.4	554.0	553.1	552.3	551.4	550.6	551.4	552.3	553.1
132.5°	591.3	591.5	591.6	590.8	589.3	587.8	586.2	584.7	586.2	587.8	589.3
135°	626.0	625.9	625.8	625.3	624.3	623.2	622.2	621.2	622.2	623.2	624.3
137.5°	660.4	660.1	659.9	659.4	658.4	657.4	656.4	655.4	656.4	657.4	658.4
140°	692.6	692.1	691.8	691.4	690.5	689.7	688.8	688.0	688.8	689.7	690.5
142.5°	724.7	724.0	723.7	723.4	722.7	722.0	721.4	720.7	721.4	722.0	722.7
145°	756.4	755.9	755.6	755.3	754.6	753.9	753.3	752.6	753.3	753.9	754.6
147.5°	785.0	784.7	784.5	784.2	783.7	783.2	782.7	782.2	782.7	783.2	783.7
150°	812.0	811.3	811.0	811.1	811.3	811.4	811.6	811.8	811.6	811.4	811.3
152.5°	837.9	837.7	837.6	837.4	837.1	836.8	836.4	836.1	836.4	836.8	837.1
155°	861.4	861.3	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2	861.2
157.5°	882.7	882.5	882.4	882.6	882.9	883.2	883.6	883.9	883.6	883.2	882.9
160°	901.7	901.5	901.4	901.7	902.2	902.7	903.2	903.7	903.2	902.7	902.2
162.5°	919.6	919.6	919.6	919.8	920.1	920.5	920.8	921.2	920.8	920.5	920.1
165°	935.1	934.9	934.8	935.0	935.3	935.6	936.0	936.3	936.0	935.6	935.3
167.5°	947.0	947.0	947.0	947.3	948.0	948.7	949.3	950.0	949.3	948.7	948.0
170°	957.6	957.6	957.6	957.9	958.6	959.3	959.9	960.6	959.9	959.3	958.6
172.5°	965.2	965.2	965.2	965.5	966.2	966.9	967.5	968.2	967.5	966.9	966.2
175°	970.5	970.5	970.5	970.8	971.5	972.2	972.9	973.6	972.9	972.2	971.5
177.5°	974.1	974.2	974.3	974.6	975.3	976.0	976.7	977.4	976.7	976.0	975.3
180°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

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°	6.1	6.8	7.4	8.6	9.8	11.0	12.2	13.0	13.8	14.7	15.5
92.5°	26.2	26.6	27.4	28.9	30.4	31.9	33.4	34.6	35.8	36.9	38.1
95°	50.7	50.9	51.7	53.4	55.1	56.8	58.5	59.7	60.9	62.0	63.2
97.5°	76.6	76.7	77.9	80.2	82.6	84.9	87.3	88.3	89.3	90.4	91.4
100°	106.3	106.3	107.4	109.6	111.8	114.0	116.2	117.7	119.2	120.7	122.2
102.5°	142.4	142.8	143.2	144.1	144.9	145.8	146.6	148.3	150.0	151.7	153.4
105°	176.5	176.9	177.4	178.4	179.5	180.5	181.5	182.5	183.5	184.6	185.6
107.5°	213.8	214.2	214.6	215.4	216.3	217.1	217.9	218.4	218.9	219.4	219.9
110°	252.5	252.9	253.2	253.7	254.2	254.7	255.2	255.7	256.2	256.7	257.2

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	289.9	290.1	290.4	291.1	291.8	292.4	293.1	293.3	293.5	293.6	293.8
115°	330.0	330.3	330.5	330.8	331.2	331.5	331.9	331.7	331.5	331.4	331.2
117.5°	367.5	367.6	367.8	368.1	368.4	368.8	369.1	369.3	369.4	369.6	369.7
120°	406.6	407.0	407.1	407.3	407.4	407.6	407.8	407.8	407.8	407.8	407.8
122.5°	443.4	443.5	443.8	444.3	444.8	445.3	445.8	445.6	445.4	445.3	445.1
125°	481.7	482.2	482.3	482.5	482.6	482.8	483.0	482.7	482.3	482.0	481.7
127.5°	518.4	518.7	518.8	518.9	519.1	519.2	519.4	519.2	519.1	518.9	518.8
130°	554.0	554.4	554.6	554.9	555.2	555.6	555.9	555.7	555.5	555.4	555.2
132.5°	590.8	591.6	591.5	591.3	591.2	591.0	590.8	590.6	590.5	590.3	590.2
135°	625.3	625.8	625.9	626.0	626.2	626.3	626.5	626.5	626.5	626.5	626.5
137.5°	659.4	659.9	660.1	660.4	660.7	661.1	661.4	661.6	661.8	661.9	662.1
140°	691.4	691.8	692.1	692.6	693.1	693.6	694.1	694.4	694.8	695.1	695.4
142.5°	723.4	723.7	724.0	724.7	725.4	726.1	726.8	727.0	727.1	727.3	727.4
145°	755.3	755.6	755.9	756.4	756.9	757.4	757.9	757.9	757.9	757.9	757.9
147.5°	784.2	784.5	784.7	785.0	785.3	785.7	786.0	786.5	787.0	787.5	788.0
150°	811.1	811.0	811.3	812.0	812.7	813.4	814.1	814.1	814.1	814.1	814.1
152.5°	837.4	837.6	837.7	837.9	838.0	838.2	838.4	838.9	839.4	839.9	840.4
155°	861.2	861.2	861.3	861.4	861.6	861.7	861.9	862.6	863.3	864.0	864.7
157.5°	882.6	882.4	882.5	882.7	882.8	883.0	883.2	883.9	884.5	885.2	885.9
160°	901.7	901.4	901.5	901.7	901.8	902.0	902.2	902.9	903.5	904.2	904.9
162.5°	919.8	919.6	919.6	919.6	919.6	919.6	919.6	920.4	921.3	922.1	923.0
165°	935.0	934.8	934.9	935.1	935.2	935.4	935.6	936.3	936.9	937.6	938.3
167.5°	947.3	947.0	947.0	947.0	947.0	947.0	947.0	948.0	949.0	950.0	951.0
170°	957.9	957.6	957.6	957.6	957.6	957.6	957.6	958.6	959.6	960.7	961.7
172.5°	965.5	965.2	965.2	965.2	965.2	965.2	965.2	966.2	967.2	968.3	969.3
175°	970.8	970.5	970.5	970.5	970.5	970.5	970.5	971.5	972.5	973.6	974.6
177.5°	974.6	974.3	974.2	974.1	973.9	973.8	973.6	974.6	975.6	976.6	977.6
180°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

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°	15.9	16.2	16.7	17.2	17.7	18.2	17.7	17.2	16.7	16.2	15.9
92.5°	38.7	38.9	39.2	39.5	39.9	40.2	39.9	39.5	39.2	38.9	38.7
95°	63.8	64.0	64.3	64.6	65.0	65.3	65.0	64.6	64.3	64.0	63.8
97.5°	91.9	92.0	92.1	92.3	92.4	92.6	92.4	92.3	92.1	92.0	91.9
100°	123.0	123.2	123.5	123.8	124.2	124.5	124.2	123.8	123.5	123.2	123.0
102.5°	154.2	154.4	154.9	155.4	155.9	156.4	155.9	155.4	154.9	154.4	154.2
105°	186.1	186.3	186.8	187.3	187.8	188.3	187.8	187.3	186.8	186.3	186.1
107.5°	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2
110°	257.4	257.3	257.2	257.0	256.9	256.7	256.9	257.0	257.2	257.3	257.4

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	293.9	293.7	293.4	293.1	292.7	292.4	292.7	293.1	293.4	293.7	293.9
115°	331.1	331.0	330.8	330.7	330.5	330.3	330.5	330.7	330.8	331.0	331.1
117.5°	369.8	369.5	368.8	368.1	367.5	366.8	367.5	368.1	368.8	369.5	369.8
120°	407.8	407.5	406.8	406.1	405.5	404.8	405.5	406.1	406.8	407.5	407.8
122.5°	445.0	444.7	444.2	443.7	443.2	442.7	443.2	443.7	444.2	444.7	445.0
125°	481.5	481.4	481.2	481.1	480.9	480.7	480.9	481.1	481.2	481.4	481.5
127.5°	518.7	518.5	518.2	517.9	517.5	517.2	517.5	517.9	518.2	518.5	518.7
130°	555.1	554.9	554.6	554.3	553.9	553.6	553.9	554.3	554.6	554.9	555.1
132.5°	590.1	589.8	589.3	588.8	588.3	587.8	588.3	588.8	589.3	589.8	590.1
135°	626.5	626.2	625.5	624.8	624.2	623.5	624.2	624.8	625.5	626.2	626.5
137.5°	662.2	661.8	660.9	660.1	659.2	658.4	659.2	660.1	660.9	661.8	662.2
140°	695.6	695.2	694.3	693.5	692.6	691.8	692.6	693.5	694.3	695.2	695.6
142.5°	727.5	727.1	726.2	725.4	724.5	723.7	724.5	725.4	726.2	727.1	727.5
145°	757.9	757.6	757.1	756.6	756.1	755.6	756.1	756.6	757.1	757.6	757.9
147.5°	788.3	787.6	786.3	784.9	783.6	782.2	783.6	784.9	786.3	787.6	788.3
150°	814.1	813.9	813.6	813.3	812.9	812.6	812.9	813.3	813.6	813.9	814.1
152.5°	840.7	840.4	839.7	839.0	838.3	837.6	838.3	839.0	839.7	840.4	840.7
155°	865.0	864.6	863.7	862.9	862.0	861.2	862.0	862.9	863.7	864.6	865.0
157.5°	886.2	885.6	884.4	883.3	882.1	880.9	882.1	883.3	884.4	885.6	886.2
160°	905.2	904.8	903.9	903.1	902.2	901.4	902.2	903.1	903.9	904.8	905.2
162.5°	923.4	922.9	921.9	920.9	919.9	918.9	919.9	920.9	921.9	922.9	923.4
165°	938.6	938.1	937.1	936.1	935.1	934.1	935.1	936.1	937.1	938.1	938.6
167.5°	951.5	951.0	950.0	949.0	948.0	947.0	948.0	949.0	950.0	951.0	951.5
170°	962.2	961.6	960.4	959.3	958.1	956.9	958.1	959.3	960.4	961.6	962.2
172.5°	969.8	969.3	968.3	967.2	966.2	965.2	966.2	967.2	968.3	969.3	969.8
175°	975.1	974.5	973.3	972.2	971.0	969.8	971.0	972.2	973.3	974.5	975.1
177.5°	978.1	977.5	976.3	975.2	974.0	972.8	974.0	975.2	976.3	977.5	978.1
180°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

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°	15.5	14.7	13.8	13.0	12.2	11.0	9.8	8.6	7.4	6.8	6.1
92.5°	38.1	36.9	35.8	34.6	33.4	31.9	30.4	28.9	27.4	26.6	26.2
95°	63.2	62.0	60.9	59.7	58.5	56.8	55.1	53.4	51.7	50.9	50.7
97.5°	91.4	90.4	89.3	88.3	87.3	84.9	82.6	80.2	77.9	76.7	76.6
100°	122.2	120.7	119.2	117.7	116.2	114.0	111.8	109.6	107.4	106.3	106.3
102.5°	153.4	151.7	150.0	148.3	146.6	145.8	144.9	144.1	143.2	142.8	142.4
105°	185.6	184.6	183.5	182.5	181.5	180.5	179.5	178.4	177.4	176.9	176.5
107.5°	219.9	219.4	218.9	218.4	217.9	217.1	216.3	215.4	214.6	214.2	213.8
110°	257.2	256.7	256.2	255.7	255.2	254.7	254.2	253.7	253.2	252.9	252.5

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	293.8	293.6	293.5	293.3	293.1	292.4	291.8	291.1	290.4	290.1	289.9
115°	331.2	331.4	331.5	331.7	331.9	331.5	331.2	330.8	330.5	330.3	330.0
117.5°	369.7	369.6	369.4	369.3	369.1	368.8	368.4	368.1	367.8	367.6	367.5
120°	407.8	407.8	407.8	407.8	407.8	407.6	407.4	407.3	407.1	407.0	406.6
122.5°	445.1	445.3	445.4	445.6	445.8	445.3	444.8	444.3	443.8	443.5	443.4
125°	481.7	482.0	482.3	482.7	483.0	482.8	482.6	482.5	482.3	482.2	481.7
127.5°	518.8	518.9	519.1	519.2	519.4	519.2	519.1	518.9	518.8	518.7	518.4
130°	555.2	555.4	555.5	555.7	555.9	555.6	555.2	554.9	554.6	554.4	554.0
132.5°	590.2	590.3	590.5	590.6	590.8	591.0	591.2	591.3	591.5	591.6	590.8
135°	626.5	626.5	626.5	626.5	626.5	626.3	626.2	626.0	625.9	625.8	625.3
137.5°	662.1	661.9	661.8	661.6	661.4	661.1	660.7	660.4	660.1	659.9	659.4
140°	695.4	695.1	694.8	694.4	694.1	693.6	693.1	692.6	692.1	691.8	691.4
142.5°	727.4	727.3	727.1	727.0	726.8	726.1	725.4	724.7	724.0	723.7	723.4
145°	757.9	757.9	757.9	757.9	757.9	757.4	756.9	756.4	755.9	755.6	755.3
147.5°	788.0	787.5	787.0	786.5	786.0	785.7	785.3	785.0	784.7	784.5	784.2
150°	814.1	814.1	814.1	814.1	814.1	813.4	812.7	812.0	811.3	811.0	811.1
152.5°	840.4	839.9	839.4	838.9	838.4	838.2	838.0	837.9	837.7	837.6	837.4
155°	864.7	864.0	863.3	862.6	861.9	861.7	861.6	861.4	861.3	861.2	861.2
157.5°	885.9	885.2	884.5	883.9	883.2	883.0	882.8	882.7	882.5	882.4	882.6
160°	904.9	904.2	903.5	902.9	902.2	902.0	901.8	901.7	901.5	901.4	901.7
162.5°	923.0	922.1	921.3	920.4	919.6	919.6	919.6	919.6	919.6	919.6	919.8
165°	938.3	937.6	936.9	936.3	935.6	935.4	935.2	935.1	934.9	934.8	935.0
167.5°	951.0	950.0	949.0	948.0	947.0	947.0	947.0	947.0	947.0	947.0	947.3
170°	961.7	960.7	959.6	958.6	957.6	957.6	957.6	957.6	957.6	957.6	957.9
172.5°	969.3	968.3	967.2	966.2	965.2	965.2	965.2	965.2	965.2	965.2	965.5
175°	974.6	973.6	972.5	971.5	970.5	970.5	970.5	970.5	970.5	970.5	970.8
177.5°	977.6	976.6	975.6	974.6	973.6	973.8	973.9	974.1	974.2	974.3	974.6
180°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

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°	4.8	3.5	2.1	0.8
92.5°	25.3	24.5	23.6	22.8
95°	50.4	50.1	49.7	49.4
97.5°	76.4	76.3	76.1	75.9
100°	106.3	106.3	106.3	106.3
102.5°	141.5	140.7	139.8	139.0
105°	175.6	174.8	173.9	173.1
107.5°	212.9	212.1	211.2	210.4
110°	251.6	250.8	249.9	249.1

TEST NUMBER: P1028178

CATALOG NUMBER: S125DIP-B610D850UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	289.6	289.3	288.9	288.6
115°	329.3	328.6	328.0	327.3
117.5°	367.3	367.2	367.0	366.8
120°	405.7	404.9	404.0	403.2
122.5°	443.2	443.1	442.9	442.7
125°	480.7	479.7	478.7	477.7
127.5°	517.9	517.4	516.9	516.4
130°	553.1	552.3	551.4	550.6
132.5°	589.3	587.8	586.2	584.7
135°	624.3	623.2	622.2	621.2
137.5°	658.4	657.4	656.4	655.4
140°	690.5	689.7	688.8	688.0
142.5°	722.7	722.0	721.4	720.7
145°	754.6	753.9	753.3	752.6
147.5°	783.7	783.2	782.7	782.2
150°	811.3	811.4	811.6	811.8
152.5°	837.1	836.8	836.4	836.1
155°	861.2	861.2	861.2	861.2
157.5°	882.9	883.2	883.6	883.9
160°	902.2	902.7	903.2	903.7
162.5°	920.1	920.5	920.8	921.2
165°	935.3	935.6	936.0	936.3
167.5°	948.0	948.7	949.3	950.0
170°	958.6	959.3	959.9	960.6
172.5°	966.2	966.9	967.5	968.2
175°	971.5	972.2	972.9	973.6
177.5°	975.3	976.0	976.7	977.4
180°	975.8	975.8	975.8	975.8

(END OF REPORT)