

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: P1028160

Luminaire Tested: S125DIP-B610D850UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028160
REPORT IS A COMBINATION OF REPORTS P1002384 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D850UB30-4F0-XX-W2A-A1
Description: Define 5 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

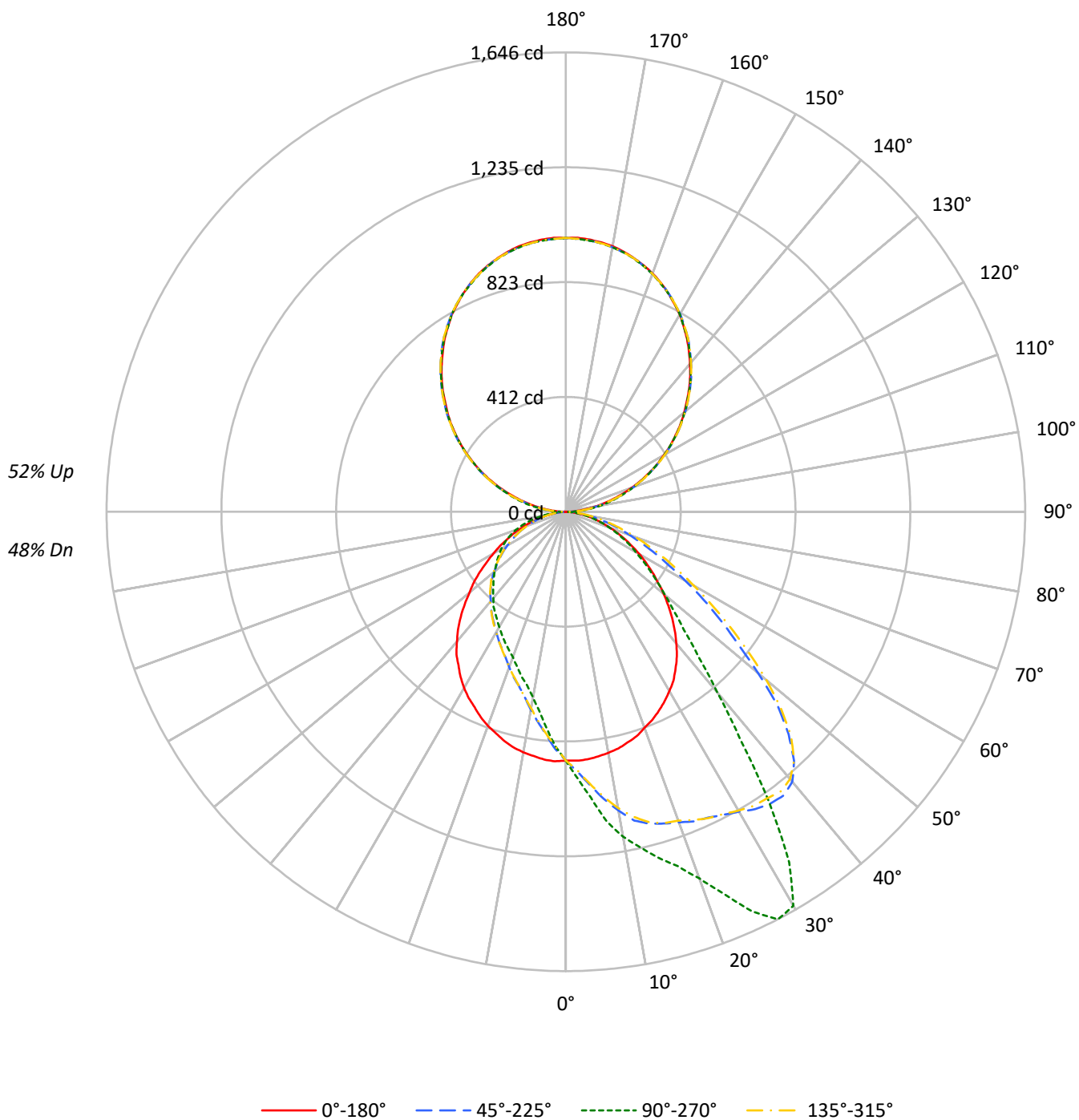
Lumens per Lamp: N/A
Luminaire Lumens: 5255.0 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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°	5711	5711	5711	5711
5°	5715	6478	5720	4914
10°	5680	7383	5670	4218
15°	5638	8006	5603	3812
20°	5567	8773	5516	3480
25°	5504	10052	5403	3283
30°	5413	10604	5319	3105
35°	5269	8501	5159	2962
40°	5045	5875	4971	2811
45°	4762	4374	4708	2685
50°	4438	3601	4364	2585
55°	4088	3072	4055	2497
60°	3745	2629	3680	2430
65°	3374	2270	3321	2331
70°	2983	1884	2945	2160
75°	2570	1458	2536	1874
80°	2029	986	1955	1378
85°	1298	494	1252	703

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.6
10°-20°	255.5	4.9
20°-30°	415.0	7.9
30°-40°	507.2	9.7
40°-50°	460.1	8.8
50°-60°	366.5	7.0
60°-70°	255.2	4.9
70°-80°	136.0	2.6
80°-90°	35.2	0.7
90°-100°	65.2	1.2
100°-110°	193.8	3.7
110°-120°	328.8	6.3
120°-130°	432.8	8.2
130°-140°	485.0	9.2
140°-150°	475.3	9.0
150°-160°	399.3	7.6
160°-170°	265.4	5.1
170°-180°	92.9	1.8
0°-30°	756.3	14.4
0°-40°	1263.5	24.0
0°-60°	2090.1	39.8
0°-90°	2516.5	47.9
90°-120°	587.8	11.2
90°-150°	1980.9	37.7
90°-180°	2738.0	52.1
0°-180°	5255.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	891	891	891	891	891	
5°	890	1028	891	780	890	85
15°	856	1284	850	611	856	241
25°	788	1580	773	516	788	363
35°	686	1268	671	442	686	428
45°	539	598	533	367	539	415
55°	379	368	376	300	379	339
65°	234	226	231	232	234	233
75°	114	111	112	143	114	121
85°	23	25	22	36	23	27
90°	1	18	1	18	1	5
95°	50	66	50	66	50	52
105°	174	189	174	189	174	186
115°	329	332	329	332	329	326
125°	480	483	480	483	480	430
135°	625	627	625	627	625	481
145°	757	760	757	760	757	473
155°	866	866	866	866	866	399
165°	942	939	942	939	942	266
175°	979	975	979	975	979	93
180°	981	981	981	981	981	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	892.8	898.1	904.1	908.7	916.2	918.5	922.3	924.5	926.8	929.1	930.6
5°	890.5	903.4	914.7	923.0	937.4	942.7	949.5	957.8	967.7	976.0	981.3
7.5°	884.4	904.9	920.0	936.7	956.3	969.2	976.0	993.4	1009.3	1021.4	1037.3
10°	876.9	901.1	924.5	949.5	977.5	991.9	1005.5	1029.7	1051.7	1071.3	1087.2
12.5°	868.6	898.1	926.1	958.6	996.4	1013.8	1022.9	1064.5	1091.8	1102.3	1133.4
15°	855.7	890.5	930.6	970.7	1002.5	1022.9	1047.9	1081.2	1108.4	1131.9	1156.8
17.5°	843.6	881.4	922.3	966.9	1013.1	1039.5	1058.5	1088.0	1117.5	1147.7	1171.2
20°	823.9	873.1	914.7	962.4	1016.9	1035.8	1055.4	1090.2	1122.0	1154.5	1184.1
22.5°	808.0	854.9	911.7	957.1	1003.2	1022.1	1046.4	1082.7	1120.5	1157.6	1200.7
25°	787.6	839.8	889.0	937.4	985.1	1005.5	1027.4	1074.4	1113.7	1161.4	1209.0
27.5°	765.7	819.4	868.6	912.4	957.1	985.1	1008.5	1057.7	1109.9	1162.1	1224.2
30°	742.2	792.9	839.8	882.9	932.1	960.9	984.3	1041.8	1100.1	1166.7	1240.8
32.5°	717.2	764.9	805.0	848.9	901.1	927.6	959.4	1022.1	1091.0	1170.4	1263.5
35°	685.5	730.9	766.4	811.1	863.3	897.3	930.6	1001.0	1081.2	1169.7	1276.4
37.5°	653.7	689.2	723.3	771.0	831.5	862.5	897.3	974.5	1066.0	1167.4	1281.7
40°	615.9	650.7	680.2	728.6	792.1	827.7	864.0	945.0	1048.6	1159.1	1262.7
42.5°	578.0	607.5	640.1	690.8	752.0	789.9	828.5	918.5	1025.9	1134.9	1210.5
45°	538.7	561.4	596.9	643.1	708.2	744.5	788.4	886.0	994.2	1091.0	1128.8
47.5°	497.8	520.5	553.8	598.5	662.8	705.9	747.5	845.1	954.1	1029.0	1029.0
50°	458.5	476.6	509.2	553.8	618.9	658.2	700.6	804.3	892.0	947.2	898.1
52.5°	416.1	436.5	463.8	510.7	575.0	610.6	656.7	745.2	828.5	851.2	775.5
55°	379.0	395.7	421.4	466.1	525.8	562.9	602.2	687.0	757.3	755.8	674.9
57.5°	340.5	354.1	381.3	422.2	477.4	510.7	550.0	623.4	680.9	660.5	584.1
60°	304.9	314.7	341.2	374.5	427.5	458.5	496.3	556.1	600.0	571.2	494.1
62.5°	267.8	279.2	300.4	332.9	379.8	404.8	432.8	493.3	521.3	495.6	416.9
65°	234.5	243.6	262.5	289.8	332.1	354.8	379.0	429.0	455.5	418.4	353.3
67.5°	201.3	211.8	225.5	249.7	283.0	304.1	325.3	368.5	380.6	347.3	292.8
70°	170.2	179.3	192.2	209.6	237.6	256.5	272.4	307.9	316.3	285.2	242.1
72.5°	140.0	146.0	156.6	171.0	196.7	207.3	223.9	248.2	258.8	230.8	199.7
75°	113.5	118.0	124.8	135.4	152.8	164.2	177.8	200.5	199.7	180.1	158.1
77.5°	87.8	88.5	96.1	105.9	116.5	126.3	133.2	149.0	150.6	138.5	120.3
80°	62.8	65.1	68.1	75.7	84.7	88.5	96.8	106.7	108.2	99.1	87.0
82.5°	40.1	41.6	43.9	48.4	54.5	59.0	63.6	67.3	71.1	65.8	56.0
85°	22.7	23.5	25.7	27.2	30.3	32.5	36.3	40.1	39.3	35.6	32.5
87.5°	11.3	11.3	11.3	12.9	14.4	14.4	15.9	16.6	17.4	15.9	14.4
90°	0.8	2.2	3.5	4.9	6.2	6.9	7.5	8.7	9.8	11.0	12.2
92.5°	22.9	23.7	24.6	25.4	26.3	26.7	27.5	29.0	30.5	32.1	33.6
95°	49.6	50.0	50.3	50.7	51.0	51.2	52.0	53.7	55.4	57.1	58.8
97.5°	76.4	76.6	76.7	76.9	77.0	77.1	78.3	80.7	83.0	85.4	87.8
100°	106.9	106.9	106.9	106.9	106.9	106.9	108.0	110.2	112.4	114.6	116.8
102.5°	139.7	140.6	141.4	142.3	143.2	143.6	144.0	144.9	145.7	146.6	147.4
105°	174.1	174.9	175.8	176.6	177.5	177.9	178.4	179.4	180.5	181.5	182.5
107.5°	211.5	212.3	213.2	214.0	214.9	215.3	215.7	216.6	217.4	218.3	219.1
110°	250.5	251.3	252.2	253.0	253.9	254.3	254.6	255.1	255.6	256.1	256.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	290.2	290.5	290.9	291.2	291.5	291.7	292.0	292.7	293.4	294.0	294.7
115°	329.1	329.8	330.5	331.2	331.9	332.2	332.4	332.7	333.0	333.4	333.7
117.5°	368.8	369.0	369.2	369.3	369.5	369.6	369.8	370.1	370.4	370.8	371.1
120°	405.5	406.3	407.2	408.0	408.9	409.3	409.4	409.5	409.7	409.8	410.0
122.5°	445.2	445.4	445.5	445.7	445.8	445.9	446.2	446.7	447.2	447.7	448.2
125°	480.3	481.3	482.3	483.4	484.4	484.9	485.0	485.1	485.3	485.4	485.6
127.5°	519.2	519.7	520.2	520.7	521.2	521.5	521.6	521.8	521.9	522.1	522.3
130°	553.6	554.4	555.3	556.1	557.0	557.4	557.6	557.9	558.2	558.6	558.9
132.5°	588.0	589.5	591.0	592.5	594.0	594.8	594.7	594.6	594.4	594.3	594.1
135°	624.6	625.6	626.6	627.7	628.7	629.2	629.3	629.5	629.6	629.8	630.0
137.5°	659.0	660.0	661.0	662.1	663.1	663.6	663.8	664.1	664.4	664.8	665.1
140°	691.8	692.6	693.5	694.3	695.2	695.6	695.9	696.4	696.9	697.4	697.9
142.5°	724.6	725.3	726.0	726.7	727.4	727.7	728.0	728.7	729.4	730.1	730.8
145°	756.7	757.4	758.1	758.8	759.5	759.8	760.1	760.6	761.1	761.6	762.1
147.5°	786.5	787.0	787.5	788.0	788.5	788.8	789.0	789.3	789.6	790.0	790.3
150°	816.3	816.1	815.9	815.8	815.6	815.5	815.8	816.5	817.2	817.9	818.6
152.5°	840.7	841.0	841.4	841.7	842.0	842.2	842.3	842.5	842.6	842.8	843.0
155°	865.9	865.9	865.9	865.9	865.9	865.9	866.0	866.2	866.3	866.5	866.7
157.5°	888.8	888.5	888.1	887.8	887.5	887.3	887.4	887.6	887.7	887.9	888.1
160°	908.7	908.2	907.7	907.2	906.7	906.4	906.5	906.6	906.8	906.9	907.1
162.5°	926.2	925.9	925.5	925.2	924.9	924.7	924.7	924.7	924.7	924.7	924.7
165°	941.5	941.2	940.8	940.5	940.2	940.0	940.1	940.2	940.4	940.5	940.7
167.5°	955.2	954.5	953.9	953.2	952.5	952.2	952.2	952.2	952.2	952.2	952.2
170°	965.9	965.2	964.6	963.9	963.2	962.9	962.9	962.9	962.9	962.9	962.9
172.5°	973.6	972.9	972.2	971.5	970.8	970.5	970.5	970.5	970.5	970.5	970.5
175°	978.9	978.2	977.6	976.9	976.2	975.9	975.9	975.9	975.9	975.9	975.9
177.5°	982.7	982.0	981.4	980.7	980.0	979.7	979.6	979.4	979.3	979.1	978.9
180°	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	932.1	937.4	941.9	945.7	948.8	953.3	950.3	951.0	952.5	955.6	955.6
5°	992.6	1001.0	1005.5	1020.6	1024.4	1023.7	1021.4	1033.5	1032.7	1028.2	1027.4
7.5°	1051.7	1066.0	1078.9	1091.0	1094.8	1104.6	1106.9	1112.2	1110.7	1118.2	1114.5
10°	1105.4	1128.1	1140.2	1158.3	1162.9	1167.4	1173.5	1176.5	1183.3	1182.5	1182.5
12.5°	1147.0	1174.2	1190.1	1194.6	1212.0	1217.3	1222.6	1232.5	1230.2	1231.0	1235.5
15°	1179.5	1206.0	1219.6	1240.8	1252.9	1259.0	1268.0	1278.6	1277.1	1283.9	1282.4
17.5°	1203.7	1228.7	1253.7	1285.4	1286.2	1302.1	1323.3	1327.8	1337.6	1330.8	1330.8
20°	1223.4	1256.7	1292.2	1333.1	1337.6	1347.5	1373.2	1390.6	1402.0	1398.2	1400.4
22.5°	1244.6	1292.2	1333.9	1374.7	1396.7	1414.1	1439.0	1466.3	1476.1	1482.2	1480.6
25°	1271.8	1321.8	1383.0	1439.8	1462.5	1495.8	1529.1	1555.5	1563.1	1579.8	1564.6
27.5°	1299.8	1370.2	1446.6	1513.2	1541.9	1569.2	1609.3	1628.9	1638.8	1646.3	1641.0
30°	1323.3	1420.1	1503.3	1564.6	1585.0	1600.9	1623.6	1628.2	1624.4	1630.4	1638.0
32.5°	1359.6	1454.2	1524.5	1554.0	1551.8	1551.0	1533.6	1509.4	1504.1	1489.7	1509.4
35°	1379.3	1454.9	1482.2	1442.8	1426.9	1398.2	1342.9	1306.6	1274.8	1268.0	1269.6
37.5°	1367.9	1397.4	1364.9	1261.2	1235.5	1191.6	1118.2	1066.8	1043.3	1025.2	1048.6
40°	1306.6	1274.1	1184.8	1058.5	1021.4	979.8	910.9	882.9	849.6	842.8	873.9
42.5°	1205.2	1106.1	979.8	882.2	843.6	820.1	762.6	736.2	712.7	702.1	719.5
45°	1067.5	947.2	820.1	739.9	707.4	679.4	645.4	617.4	602.2	597.7	612.1
47.5°	925.3	798.2	696.8	637.0	603.0	581.8	550.0	534.1	522.0	523.6	525.8
50°	789.1	673.4	595.4	535.7	519.0	502.4	481.2	467.6	461.5	463.8	462.3
52.5°	671.8	578.0	512.2	466.1	458.5	442.6	425.2	413.9	411.6	412.3	414.6
55°	569.0	495.6	443.4	410.1	401.7	390.4	379.8	372.2	366.2	368.5	367.7
57.5°	491.0	426.7	386.6	359.4	353.3	346.5	336.7	332.9	330.6	326.1	329.9
60°	422.2	370.0	335.2	318.5	313.2	308.7	298.1	293.6	292.0	289.8	295.8
62.5°	357.1	320.0	293.6	278.4	273.1	268.6	263.3	259.5	260.3	257.2	260.3
65°	305.7	275.4	256.5	242.9	236.1	233.0	232.3	226.2	225.5	226.2	227.0
67.5°	258.0	232.3	217.9	209.6	204.3	201.3	199.0	195.2	198.2	196.0	197.5
70°	214.9	197.5	182.3	174.0	171.7	172.5	168.7	167.2	168.0	166.4	168.0
72.5°	173.3	158.9	152.8	146.8	143.8	143.0	140.7	138.5	140.7	140.0	140.0
75°	138.5	127.9	121.1	117.3	117.3	115.8	112.0	112.0	112.0	111.2	112.0
77.5°	106.7	97.6	94.6	90.8	90.8	88.5	87.8	87.8	86.3	88.5	87.0
80°	79.4	72.6	68.1	65.8	65.8	65.1	63.6	62.8	63.6	62.8	62.8
82.5°	51.4	48.4	46.2	43.9	43.1	43.9	43.1	41.6	42.4	41.6	43.1
85°	29.5	26.5	26.5	25.0	25.7	24.2	25.0	23.5	22.7	25.0	23.5
87.5°	12.9	12.1	12.1	10.6	10.6	10.6	9.8	10.6	9.8	9.1	9.8
90°	13.0	13.9	14.7	15.6	16.0	16.3	16.8	17.3	17.8	18.3	17.8
92.5°	34.8	36.0	37.1	38.3	38.9	39.1	39.4	39.8	40.1	40.5	40.1
95°	60.0	61.2	62.3	63.5	64.1	64.3	64.6	65.0	65.3	65.7	65.3
97.5°	88.8	89.8	90.9	91.9	92.4	92.5	92.7	92.8	93.0	93.2	93.0
100°	118.3	119.9	121.4	122.9	123.7	123.9	124.2	124.5	124.9	125.2	124.9
102.5°	149.1	150.8	152.5	154.2	155.0	155.3	155.8	156.3	156.8	157.3	156.8
105°	183.5	184.5	185.6	186.6	187.1	187.4	187.9	188.4	188.9	189.4	188.9
107.5°	219.6	220.1	220.6	221.1	221.4	221.4	221.4	221.4	221.4	221.4	221.4
110°	257.1	257.6	258.1	258.6	258.9	258.8	258.6	258.5	258.3	258.1	258.3

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	294.9	295.1	295.2	295.4	295.5	295.3	295.0	294.7	294.3	294.0	294.3
115°	333.5	333.3	333.2	333.0	332.9	332.8	332.7	332.5	332.4	332.2	332.4
117.5°	371.3	371.5	371.6	371.8	371.9	371.6	370.9	370.2	369.5	368.8	369.5
120°	410.0	410.0	410.0	410.0	410.0	409.7	409.0	408.3	407.7	407.0	407.7
122.5°	448.0	447.9	447.7	447.6	447.5	447.2	446.7	446.2	445.7	445.2	445.7
125°	485.3	484.9	484.6	484.3	484.1	484.0	483.8	483.7	483.5	483.3	483.5
127.5°	522.1	521.9	521.8	521.6	521.5	521.3	521.0	520.7	520.3	520.0	520.3
130°	558.7	558.6	558.4	558.3	558.2	558.0	557.7	557.4	557.0	556.7	557.0
132.5°	593.9	593.7	593.6	593.4	593.3	593.0	592.5	592.0	591.5	591.0	591.5
135°	630.0	630.0	630.0	630.0	630.0	629.7	629.0	628.3	627.6	626.9	627.6
137.5°	665.3	665.4	665.6	665.7	665.8	665.4	664.5	663.7	662.8	662.0	662.8
140°	698.2	698.6	698.9	699.2	699.4	699.0	698.1	697.3	696.4	695.6	696.4
142.5°	731.0	731.1	731.3	731.4	731.5	731.1	730.2	729.4	728.5	727.7	728.5
145°	762.1	762.1	762.1	762.1	762.1	761.8	761.3	760.8	760.3	759.8	760.3
147.5°	790.8	791.3	791.8	792.3	792.6	791.9	790.6	789.2	787.9	786.5	787.9
150°	818.6	818.6	818.6	818.6	818.6	818.4	818.1	817.7	817.4	817.0	817.4
152.5°	843.5	844.0	844.5	845.0	845.3	845.0	844.3	843.6	842.9	842.2	842.9
155°	867.4	868.0	868.7	869.4	869.7	869.3	868.4	867.6	866.7	865.9	866.7
157.5°	888.8	889.4	890.1	890.8	891.1	890.5	889.3	888.2	887.0	885.8	887.0
160°	907.8	908.5	909.2	909.9	910.2	909.8	908.9	908.1	907.2	906.4	907.2
162.5°	925.5	926.4	927.2	928.1	928.5	928.0	927.0	925.9	924.9	923.9	924.9
165°	941.4	942.1	942.8	943.5	943.8	943.3	942.3	941.2	940.2	939.2	940.2
167.5°	953.2	954.2	955.3	956.3	956.8	956.3	955.3	954.2	953.2	952.2	953.2
170°	963.9	964.9	966.0	967.0	967.5	966.9	965.7	964.5	963.3	962.1	963.3
172.5°	971.5	972.5	973.6	974.6	975.1	974.6	973.6	972.5	971.5	970.5	971.5
175°	976.9	977.9	978.9	979.9	980.4	979.8	978.6	977.5	976.3	975.1	976.3
177.5°	979.9	980.9	982.0	983.0	983.5	982.9	981.7	980.6	979.4	978.2	979.4
180°	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	954.1	948.8	950.3	948.8	945.0	942.7	936.7	929.1	926.1	922.3	920.0
5°	1030.5	1026.7	1025.9	1019.9	1018.4	1009.3	994.2	986.6	977.5	968.4	959.4
7.5°	1113.7	1109.2	1094.0	1091.8	1093.3	1081.9	1062.2	1047.1	1028.2	1015.3	997.9
10°	1182.5	1173.5	1160.6	1161.4	1156.1	1140.9	1121.3	1105.4	1078.1	1061.5	1036.5
12.5°	1224.2	1216.6	1215.1	1207.5	1203.0	1183.3	1159.8	1139.4	1119.0	1096.3	1077.4
15°	1274.8	1265.0	1258.2	1247.6	1244.6	1224.2	1198.4	1175.0	1151.5	1130.3	1090.2
17.5°	1330.8	1320.2	1294.5	1292.2	1274.1	1254.4	1229.5	1194.6	1169.7	1139.4	1109.9
20°	1394.4	1379.3	1346.0	1337.6	1323.3	1290.7	1256.7	1218.1	1178.0	1147.0	1112.2
22.5°	1465.5	1439.0	1414.8	1388.3	1377.7	1337.6	1290.7	1243.8	1195.4	1153.0	1111.4
25°	1557.8	1523.0	1489.0	1462.5	1444.3	1392.1	1329.3	1267.3	1211.3	1156.1	1101.6
27.5°	1630.4	1600.2	1563.1	1528.3	1504.8	1442.8	1370.9	1290.7	1221.1	1153.8	1095.5
30°	1635.7	1626.7	1604.0	1585.0	1559.3	1492.7	1413.3	1322.5	1236.3	1154.5	1083.4
32.5°	1536.6	1554.8	1564.6	1567.6	1562.3	1523.8	1451.1	1351.3	1249.9	1147.7	1072.8
35°	1323.3	1371.7	1431.5	1454.2	1476.1	1496.5	1458.7	1371.7	1254.4	1146.2	1056.2
37.5°	1089.5	1133.4	1232.5	1277.9	1303.6	1384.6	1415.6	1368.7	1263.5	1147.7	1040.3
40°	879.2	948.8	1019.9	1081.2	1121.3	1212.0	1308.1	1318.7	1250.6	1133.4	1019.9
42.5°	739.9	780.8	834.5	891.3	926.8	1034.3	1164.4	1240.8	1210.5	1109.9	994.9
45°	630.2	660.5	711.2	730.1	775.5	878.4	1016.1	1126.6	1141.7	1072.8	966.2
47.5°	541.0	566.7	599.2	622.7	659.0	736.2	852.7	974.5	1047.1	1022.1	926.1
50°	476.6	497.8	525.1	538.7	562.1	631.7	719.5	840.6	938.2	946.5	873.9
52.5°	422.9	435.0	456.2	471.4	490.3	532.6	612.1	711.9	821.7	867.0	809.5
55°	376.0	385.9	404.8	414.6	424.4	460.8	522.8	613.6	716.5	776.3	743.7
57.5°	333.7	342.0	357.9	366.9	372.2	407.0	454.7	525.8	618.1	690.8	672.6
60°	298.9	306.4	315.5	322.3	328.4	357.1	390.4	447.9	530.4	600.7	596.2
62.5°	261.8	268.6	278.4	285.2	290.5	308.7	336.7	380.6	450.9	516.0	528.9
65°	229.2	234.5	241.4	244.4	251.2	264.8	287.5	326.8	384.3	442.6	451.7
67.5°	199.7	201.3	205.8	212.6	214.1	226.2	246.6	276.2	320.8	368.5	382.8
70°	168.0	170.2	174.0	179.3	182.3	189.9	207.3	227.0	265.6	307.2	317.8
72.5°	140.0	143.0	144.5	147.5	149.0	161.2	168.7	188.4	214.9	249.7	261.0
75°	113.5	116.5	117.3	118.8	120.3	125.6	136.2	148.3	170.2	192.9	208.1
77.5°	90.0	89.3	90.8	93.1	92.3	96.8	103.7	114.2	128.6	147.5	157.4
80°	63.6	63.6	65.8	68.1	67.3	71.9	74.1	81.7	93.8	105.9	109.7
82.5°	42.4	42.4	44.6	44.6	46.2	46.9	49.9	53.7	63.6	69.6	71.9
85°	24.2	24.2	25.0	25.0	25.0	26.5	28.8	30.3	33.3	37.1	38.6
87.5°	9.8	10.6	10.6	10.6	10.6	12.1	12.1	13.6	14.4	15.9	15.9
90°	17.3	16.8	16.3	16.0	15.6	14.7	13.9	13.0	12.2	11.0	9.8
92.5°	39.8	39.4	39.1	38.9	38.3	37.1	36.0	34.8	33.6	32.1	30.5
95°	65.0	64.6	64.3	64.1	63.5	62.3	61.2	60.0	58.8	57.1	55.4
97.5°	92.8	92.7	92.5	92.4	91.9	90.9	89.8	88.8	87.8	85.4	83.0
100°	124.5	124.2	123.9	123.7	122.9	121.4	119.9	118.3	116.8	114.6	112.4
102.5°	156.3	155.8	155.3	155.0	154.2	152.5	150.8	149.1	147.4	146.6	145.7
105°	188.4	187.9	187.4	187.1	186.6	185.6	184.5	183.5	182.5	181.5	180.5
107.5°	221.4	221.4	221.4	221.4	221.1	220.6	220.1	219.6	219.1	218.3	217.4
110°	258.5	258.6	258.8	258.9	258.6	258.1	257.6	257.1	256.6	256.1	255.6

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	294.7	295.0	295.3	295.5	295.4	295.2	295.1	294.9	294.7	294.0	293.4
115°	332.5	332.7	332.8	332.9	333.0	333.2	333.3	333.5	333.7	333.4	333.0
117.5°	370.2	370.9	371.6	371.9	371.8	371.6	371.5	371.3	371.1	370.8	370.4
120°	408.3	409.0	409.7	410.0	410.0	410.0	410.0	410.0	410.0	409.8	409.7
122.5°	446.2	446.7	447.2	447.5	447.6	447.7	447.9	448.0	448.2	447.7	447.2
125°	483.7	483.8	484.0	484.1	484.3	484.6	484.9	485.3	485.6	485.4	485.3
127.5°	520.7	521.0	521.3	521.5	521.6	521.8	521.9	522.1	522.3	522.1	521.9
130°	557.4	557.7	558.0	558.2	558.3	558.4	558.6	558.7	558.9	558.6	558.2
132.5°	592.0	592.5	593.0	593.3	593.4	593.6	593.7	593.9	594.1	594.3	594.4
135°	628.3	629.0	629.7	630.0	630.0	630.0	630.0	630.0	630.0	629.8	629.6
137.5°	663.7	664.5	665.4	665.8	665.7	665.6	665.4	665.3	665.1	664.8	664.4
140°	697.3	698.1	699.0	699.4	699.2	698.9	698.6	698.2	697.9	697.4	696.9
142.5°	729.4	730.2	731.1	731.5	731.4	731.3	731.1	731.0	730.8	730.1	729.4
145°	760.8	761.3	761.8	762.1	762.1	762.1	762.1	762.1	762.1	761.6	761.1
147.5°	789.2	790.6	791.9	792.6	792.3	791.8	791.3	790.8	790.3	790.0	789.6
150°	817.7	818.1	818.4	818.6	818.6	818.6	818.6	818.6	818.6	817.9	817.2
152.5°	843.6	844.3	845.0	845.3	845.0	844.5	844.0	843.5	843.0	842.8	842.6
155°	867.6	868.4	869.3	869.7	869.4	868.7	868.0	867.4	866.7	866.5	866.3
157.5°	888.2	889.3	890.5	891.1	890.8	890.1	889.4	888.8	888.1	887.9	887.7
160°	908.1	908.9	909.8	910.2	909.9	909.2	908.5	907.8	907.1	906.9	906.8
162.5°	925.9	927.0	928.0	928.5	928.1	927.2	926.4	925.5	924.7	924.7	924.7
165°	941.2	942.3	943.3	943.8	943.5	942.8	942.1	941.4	940.7	940.5	940.4
167.5°	954.2	955.3	956.3	956.8	956.3	955.3	954.2	953.2	952.2	952.2	952.2
170°	964.5	965.7	966.9	967.5	967.0	966.0	964.9	963.9	962.9	962.9	962.9
172.5°	972.5	973.6	974.6	975.1	974.6	973.6	972.5	971.5	970.5	970.5	970.5
175°	977.5	978.6	979.8	980.4	979.9	978.9	977.9	976.9	975.9	975.9	975.9
177.5°	980.6	981.7	982.9	983.5	983.0	982.0	980.9	979.9	978.9	979.1	979.3
180°	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	917.0	913.2	908.7	908.7	903.4	901.1	896.6	895.0	891.3	885.2	880.7
5°	949.5	939.7	933.6	928.3	917.0	908.7	900.3	891.3	882.2	871.6	859.5
7.5°	981.3	963.1	954.8	945.7	929.1	911.7	895.0	882.9	870.8	854.2	839.1
10°	1014.6	991.9	976.8	964.6	938.9	917.0	892.8	875.4	856.5	835.3	815.6
12.5°	1042.6	1013.1	1000.2	977.5	948.0	921.5	891.3	864.8	839.8	814.8	790.6
15°	1066.0	1038.0	1006.3	997.2	956.3	918.5	884.4	850.4	819.4	794.4	766.4
17.5°	1073.6	1038.0	1022.1	1000.2	951.8	912.4	869.3	832.2	802.7	765.7	743.7
20°	1075.9	1041.8	1019.9	999.4	956.3	904.1	861.8	816.4	780.8	743.7	708.9
22.5°	1069.8	1029.7	1008.5	988.9	940.4	895.8	846.6	796.7	755.1	721.0	686.2
25°	1058.5	1011.6	991.1	969.9	923.8	874.6	820.9	773.2	734.6	693.8	659.7
27.5°	1043.3	989.6	966.2	944.2	898.8	852.7	802.0	752.8	709.7	666.6	634.8
30°	1024.4	962.4	941.2	912.4	868.6	824.7	778.5	729.3	680.9	640.1	605.3
32.5°	1000.2	935.1	907.1	879.9	832.2	792.1	748.3	702.1	655.2	615.1	578.8
35°	978.3	904.1	873.1	845.9	792.9	750.5	714.2	671.1	629.5	587.9	555.3
37.5°	948.8	873.1	836.0	808.0	754.3	711.2	677.1	643.9	600.0	559.9	529.6
40°	917.7	834.5	799.7	771.7	715.7	668.8	636.3	606.8	571.2	534.1	502.4
42.5°	889.7	797.4	760.4	726.3	669.6	628.0	594.7	572.0	539.4	506.2	477.4
45°	854.2	758.1	718.0	682.4	628.0	582.6	550.8	532.6	508.4	475.9	450.9
47.5°	817.9	715.7	674.1	639.3	580.3	540.2	509.2	491.8	475.1	449.4	424.4
50°	770.2	671.1	633.3	593.2	534.9	494.1	468.3	450.9	438.1	419.9	398.7
52.5°	718.0	624.9	584.1	549.3	491.8	454.7	425.2	415.4	402.5	388.9	370.7
55°	662.8	575.0	535.7	501.6	448.7	410.8	386.6	376.0	366.2	355.6	343.5
57.5°	607.5	522.8	485.7	455.5	406.3	370.0	350.3	335.9	329.1	323.1	313.2
60°	538.7	466.8	438.1	410.8	362.4	329.1	310.2	299.6	293.6	290.5	286.0
62.5°	478.2	419.1	387.4	360.9	322.3	292.8	274.6	266.3	261.0	259.5	254.2
65°	413.9	363.2	338.2	315.5	282.2	255.7	240.6	230.8	227.0	226.2	226.2
67.5°	353.3	312.5	287.5	271.6	242.9	219.4	205.0	201.3	199.0	196.0	195.2
70°	296.6	264.0	242.1	228.5	202.8	185.4	174.0	168.0	168.0	165.7	164.2
72.5°	246.6	214.1	199.7	188.4	167.2	152.1	143.8	142.2	136.9	136.2	136.2
75°	192.9	168.7	158.9	149.0	133.2	122.6	115.8	112.0	108.9	108.9	109.7
77.5°	145.3	128.6	119.5	112.0	100.6	93.8	88.5	87.0	84.0	84.0	84.0
80°	102.9	93.8	87.0	81.0	72.6	66.6	63.6	60.5	60.5	59.8	60.5
82.5°	66.6	59.0	55.2	54.5	46.9	44.6	40.9	41.6	39.3	38.6	40.1
85°	38.6	34.8	30.3	28.8	25.7	22.7	21.2	21.9	21.2	20.4	21.2
87.5°	15.1	12.9	12.1	12.1	9.8	9.1	8.3	9.1	7.6	7.6	8.3
90°	8.7	7.5	6.9	6.2	4.9	3.5	2.2	0.8	2.2	3.5	4.9
92.5°	29.0	27.5	26.7	26.3	25.4	24.6	23.7	22.9	23.7	24.6	25.4
95°	53.7	52.0	51.2	51.0	50.7	50.3	50.0	49.6	50.0	50.3	50.7
97.5°	80.7	78.3	77.1	77.0	76.9	76.7	76.6	76.4	76.6	76.7	76.9
100°	110.2	108.0	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9	106.9
102.5°	144.9	144.0	143.6	143.2	142.3	141.4	140.6	139.7	140.6	141.4	142.3
105°	179.4	178.4	177.9	177.5	176.6	175.8	174.9	174.1	174.9	175.8	176.6
107.5°	216.6	215.7	215.3	214.9	214.0	213.2	212.3	211.5	212.3	213.2	214.0
110°	255.1	254.6	254.3	253.9	253.0	252.2	251.3	250.5	251.3	252.2	253.0

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	292.7	292.0	291.7	291.5	291.2	290.9	290.5	290.2	290.5	290.9	291.2
115°	332.7	332.4	332.2	331.9	331.2	330.5	329.8	329.1	329.8	330.5	331.2
117.5°	370.1	369.8	369.6	369.5	369.3	369.2	369.0	368.8	369.0	369.2	369.3
120°	409.5	409.4	409.3	408.9	408.0	407.2	406.3	405.5	406.3	407.2	408.0
122.5°	446.7	446.2	445.9	445.8	445.7	445.5	445.4	445.2	445.4	445.5	445.7
125°	485.1	485.0	484.9	484.4	483.4	482.3	481.3	480.3	481.3	482.3	483.4
127.5°	521.8	521.6	521.5	521.2	520.7	520.2	519.7	519.2	519.7	520.2	520.7
130°	557.9	557.6	557.4	557.0	556.1	555.3	554.4	553.6	554.4	555.3	556.1
132.5°	594.6	594.7	594.8	594.0	592.5	591.0	589.5	588.0	589.5	591.0	592.5
135°	629.5	629.3	629.2	628.7	627.7	626.6	625.6	624.6	625.6	626.6	627.7
137.5°	664.1	663.8	663.6	663.1	662.1	661.0	660.0	659.0	660.0	661.0	662.1
140°	696.4	695.9	695.6	695.2	694.3	693.5	692.6	691.8	692.6	693.5	694.3
142.5°	728.7	728.0	727.7	727.4	726.7	726.0	725.3	724.6	725.3	726.0	726.7
145°	760.6	760.1	759.8	759.5	758.8	758.1	757.4	756.7	757.4	758.1	758.8
147.5°	789.3	789.0	788.8	788.5	788.0	787.5	787.0	786.5	787.0	787.5	788.0
150°	816.5	815.8	815.5	815.6	815.8	815.9	816.1	816.3	816.1	815.9	815.8
152.5°	842.5	842.3	842.2	842.0	841.7	841.4	841.0	840.7	841.0	841.4	841.7
155°	866.2	866.0	865.9	865.9	865.9	865.9	865.9	865.9	865.9	865.9	865.9
157.5°	887.6	887.4	887.3	887.5	887.8	888.1	888.5	888.8	888.5	888.1	887.8
160°	906.6	906.5	906.4	906.7	907.2	907.7	908.2	908.7	908.2	907.7	907.2
162.5°	924.7	924.7	924.7	924.9	925.2	925.5	925.9	926.2	925.9	925.5	925.2
165°	940.2	940.1	940.0	940.2	940.5	940.8	941.2	941.5	941.2	940.8	940.5
167.5°	952.2	952.2	952.2	952.5	953.2	953.9	954.5	955.2	954.5	953.9	953.2
170°	962.9	962.9	962.9	963.2	963.9	964.6	965.2	965.9	965.2	964.6	963.9
172.5°	970.5	970.5	970.5	970.8	971.5	972.2	972.9	973.6	972.9	972.2	971.5
175°	975.9	975.9	975.9	976.2	976.9	977.6	978.2	978.9	978.2	977.6	976.9
177.5°	979.4	979.6	979.7	980.0	980.7	981.4	982.0	982.7	982.0	981.4	980.7
180°	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	879.2	877.6	873.9	871.6	864.0	854.9	851.9	844.3	847.4	842.1	842.1
5°	855.7	848.9	844.3	837.5	823.2	813.3	802.7	797.4	794.4	790.6	787.6
7.5°	825.4	820.1	815.6	802.7	786.8	773.2	760.4	755.1	745.2	738.4	735.4
10°	799.0	791.4	780.8	765.7	749.0	731.6	720.3	708.9	701.4	697.6	689.2
12.5°	771.7	762.6	751.3	729.3	711.2	700.6	680.2	669.6	665.8	662.8	652.9
15°	743.7	733.9	720.3	699.8	684.0	659.0	646.9	638.6	629.5	628.7	621.2
17.5°	718.8	706.7	695.3	670.3	650.7	628.7	621.9	612.8	604.5	595.4	591.6
20°	687.0	675.6	667.3	640.1	618.1	604.5	593.2	585.6	580.3	571.2	569.7
22.5°	658.2	646.1	634.8	614.3	595.4	578.0	564.4	556.1	553.8	550.0	543.2
25°	630.2	618.1	604.5	585.6	565.9	553.8	541.7	536.4	531.9	525.8	520.5
27.5°	606.8	595.4	582.6	559.1	542.5	533.4	520.5	514.5	508.4	505.4	503.1
30°	578.8	565.9	556.1	537.9	519.8	507.7	498.6	493.3	488.0	485.0	483.5
32.5°	551.6	539.4	532.6	513.0	498.6	484.2	477.4	473.6	470.6	467.6	464.5
35°	529.6	517.5	506.9	488.8	474.4	464.5	459.2	453.2	450.9	447.9	447.9
37.5°	502.4	493.3	482.7	465.3	452.4	444.9	440.3	432.8	432.0	430.5	428.2
40°	478.9	469.8	460.0	444.9	433.5	424.4	418.4	414.6	412.3	410.8	409.3
42.5°	454.0	444.1	439.6	422.2	412.3	403.3	400.2	396.5	395.7	392.7	388.9
45°	429.7	421.4	412.3	399.5	391.2	383.6	379.0	376.0	372.2	371.5	369.2
47.5°	408.6	398.7	390.4	378.3	369.2	363.2	359.4	355.6	352.6	350.3	348.0
50°	381.3	373.8	366.9	354.1	346.5	340.5	335.2	332.1	329.1	329.1	329.1
52.5°	354.8	348.0	342.0	332.9	323.8	318.5	312.5	310.2	308.7	306.4	308.7
55°	329.1	322.3	316.3	309.4	298.9	294.3	288.3	286.0	286.7	286.7	289.0
57.5°	301.9	296.6	292.8	284.5	274.6	270.1	266.3	264.0	264.0	267.1	267.8
60°	275.4	270.1	263.3	255.7	249.7	244.4	242.1	242.9	242.9	244.4	248.2
62.5°	245.9	242.9	239.1	228.5	224.7	220.9	217.9	220.2	219.4	223.2	228.5
65°	218.7	215.6	210.3	205.0	200.5	196.7	196.0	196.7	198.2	202.0	208.1
67.5°	188.4	188.4	183.9	179.3	175.5	171.7	172.5	173.3	174.8	179.3	188.4
70°	163.4	160.4	155.9	152.8	149.8	148.3	146.8	149.8	154.3	157.4	164.2
72.5°	136.2	133.9	130.1	127.1	126.3	124.8	124.1	125.6	130.1	135.4	143.0
75°	107.4	108.2	105.9	103.7	103.7	101.4	102.9	102.9	107.4	112.7	118.8
77.5°	83.2	82.5	81.7	80.2	79.4	79.4	79.4	81.0	85.5	88.5	94.6
80°	59.0	59.8	57.5	58.3	57.5	58.3	58.3	61.3	63.6	67.3	71.9
82.5°	39.3	39.3	37.8	38.6	38.6	38.6	39.3	40.9	43.9	46.9	49.9
85°	21.9	22.7	21.2	22.7	22.7	22.7	23.5	24.2	26.5	27.2	30.3
87.5°	8.3	9.8	9.8	8.3	9.1	9.8	10.6	9.8	11.3	12.9	13.6
90°	6.2	6.9	7.5	8.7	9.8	11.0	12.2	13.0	13.9	14.7	15.6
92.5°	26.3	26.7	27.5	29.0	30.5	32.1	33.6	34.8	36.0	37.1	38.3
95°	51.0	51.2	52.0	53.7	55.4	57.1	58.8	60.0	61.2	62.3	63.5
97.5°	77.0	77.1	78.3	80.7	83.0	85.4	87.8	88.8	89.8	90.9	91.9
100°	106.9	106.9	108.0	110.2	112.4	114.6	116.8	118.3	119.9	121.4	122.9
102.5°	143.2	143.6	144.0	144.9	145.7	146.6	147.4	149.1	150.8	152.5	154.2
105°	177.5	177.9	178.4	179.4	180.5	181.5	182.5	183.5	184.5	185.6	186.6
107.5°	214.9	215.3	215.7	216.6	217.4	218.3	219.1	219.6	220.1	220.6	221.1
110°	253.9	254.3	254.6	255.1	255.6	256.1	256.6	257.1	257.6	258.1	258.6

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	291.5	291.7	292.0	292.7	293.4	294.0	294.7	294.9	295.1	295.2	295.4
115°	331.9	332.2	332.4	332.7	333.0	333.4	333.7	333.5	333.3	333.2	333.0
117.5°	369.5	369.6	369.8	370.1	370.4	370.8	371.1	371.3	371.5	371.6	371.8
120°	408.9	409.3	409.4	409.5	409.7	409.8	410.0	410.0	410.0	410.0	410.0
122.5°	445.8	445.9	446.2	446.7	447.2	447.7	448.2	448.0	447.9	447.7	447.6
125°	484.4	484.9	485.0	485.1	485.3	485.4	485.6	485.3	484.9	484.6	484.3
127.5°	521.2	521.5	521.6	521.8	521.9	522.1	522.3	522.1	521.9	521.8	521.6
130°	557.0	557.4	557.6	557.9	558.2	558.6	558.9	558.7	558.6	558.4	558.3
132.5°	594.0	594.8	594.7	594.6	594.4	594.3	594.1	593.9	593.7	593.6	593.4
135°	628.7	629.2	629.3	629.5	629.6	629.8	630.0	630.0	630.0	630.0	630.0
137.5°	663.1	663.6	663.8	664.1	664.4	664.8	665.1	665.3	665.4	665.6	665.7
140°	695.2	695.6	695.9	696.4	696.9	697.4	697.9	698.2	698.6	698.9	699.2
142.5°	727.4	727.7	728.0	728.7	729.4	730.1	730.8	731.0	731.1	731.3	731.4
145°	759.5	759.8	760.1	760.6	761.1	761.6	762.1	762.1	762.1	762.1	762.1
147.5°	788.5	788.8	789.0	789.3	789.6	790.0	790.3	790.8	791.3	791.8	792.3
150°	815.6	815.5	815.8	816.5	817.2	817.9	818.6	818.6	818.6	818.6	818.6
152.5°	842.0	842.2	842.3	842.5	842.6	842.8	843.0	843.5	844.0	844.5	845.0
155°	865.9	865.9	866.0	866.2	866.3	866.5	866.7	867.4	868.0	868.7	869.4
157.5°	887.5	887.3	887.4	887.6	887.7	887.9	888.1	888.8	889.4	890.1	890.8
160°	906.7	906.4	906.5	906.6	906.8	906.9	907.1	907.8	908.5	909.2	909.9
162.5°	924.9	924.7	924.7	924.7	924.7	924.7	924.7	925.5	926.4	927.2	928.1
165°	940.2	940.0	940.1	940.2	940.4	940.5	940.7	941.4	942.1	942.8	943.5
167.5°	952.5	952.2	952.2	952.2	952.2	952.2	952.2	953.2	954.2	955.3	956.3
170°	963.2	962.9	962.9	962.9	962.9	962.9	962.9	963.9	964.9	966.0	967.0
172.5°	970.8	970.5	970.5	970.5	970.5	970.5	970.5	971.5	972.5	973.6	974.6
175°	976.2	975.9	975.9	975.9	975.9	975.9	975.9	976.9	977.9	978.9	979.9
177.5°	980.0	979.7	979.6	979.4	979.3	979.1	978.9	979.9	980.9	982.0	983.0
180°	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	845.1	839.8	839.1	840.6	837.5	842.1	840.6	842.1	838.3	842.1	839.8
5°	786.8	785.3	782.3	778.5	779.3	780.0	783.8	780.0	783.1	783.8	787.6
7.5°	732.4	729.3	731.6	730.1	723.3	721.8	723.3	725.6	730.1	733.1	735.4
10°	688.5	687.0	684.0	681.7	677.9	675.6	678.7	675.6	681.7	687.0	687.0
12.5°	655.2	649.2	645.4	644.6	636.3	637.8	640.8	643.1	649.9	652.9	652.9
15°	620.4	615.9	614.3	611.3	608.3	611.3	609.8	612.1	615.1	618.1	619.6
17.5°	590.1	589.4	590.1	582.6	584.8	581.1	581.8	585.6	583.3	585.6	590.1
20°	562.9	564.4	562.1	559.1	559.1	554.6	559.9	558.4	559.1	563.7	570.5
22.5°	542.5	541.7	539.4	537.2	534.1	534.9	535.7	534.1	540.2	544.0	544.7
25°	520.5	519.0	518.3	516.0	513.0	516.0	515.2	516.0	517.5	523.6	519.0
27.5°	500.1	497.1	498.6	496.3	495.6	496.3	496.3	497.1	498.6	499.3	500.1
30°	482.7	479.7	478.9	477.4	476.6	477.4	478.9	477.4	483.5	482.7	482.7
32.5°	463.8	461.5	460.0	460.0	459.2	458.5	459.2	460.0	464.5	461.5	464.5
35°	445.6	444.1	444.1	442.6	441.8	441.8	441.8	444.9	443.4	445.6	445.6
37.5°	428.2	428.2	427.5	426.0	425.2	426.0	425.2	426.7	426.0	426.7	427.5
40°	410.1	408.6	407.8	407.8	405.5	403.3	405.5	405.5	406.3	408.6	409.3
42.5°	388.1	388.9	388.9	385.9	385.9	385.9	386.6	387.4	387.4	388.9	388.9
45°	369.2	367.7	367.7	367.7	366.2	366.9	368.5	368.5	368.5	368.5	366.9
47.5°	348.0	348.0	348.8	348.8	351.1	350.3	350.3	349.5	348.0	348.0	348.8
50°	328.4	330.6	331.4	331.4	332.1	332.9	332.9	331.4	330.6	328.4	328.4
52.5°	309.4	311.0	312.5	314.7	316.3	315.5	315.5	314.0	311.0	310.2	309.4
55°	289.0	291.3	294.3	296.6	298.9	299.6	299.6	296.6	293.6	289.8	289.8
57.5°	270.1	272.4	277.7	279.9	283.0	283.0	281.4	279.2	274.6	271.6	269.3
60°	251.2	255.0	258.8	263.3	267.1	267.8	265.6	262.5	257.2	253.5	250.4
62.5°	230.8	234.5	242.1	246.6	249.7	249.7	249.7	245.9	239.1	233.8	229.2
65°	211.1	214.9	221.7	227.7	230.0	232.3	230.0	226.2	220.9	214.9	210.3
67.5°	190.7	195.2	202.0	206.5	209.6	211.8	210.3	207.3	200.5	192.2	189.1
70°	168.0	170.2	180.1	184.6	189.1	190.7	189.1	184.6	177.8	168.7	165.7
72.5°	146.8	149.0	158.1	161.9	165.7	167.2	164.9	161.9	155.9	147.5	143.8
75°	122.6	126.3	130.9	136.9	141.5	143.0	140.7	138.5	130.9	125.6	122.6
77.5°	96.8	100.6	106.7	112.0	116.5	115.8	112.7	113.5	105.2	99.1	96.8
80°	73.4	76.4	81.0	85.5	87.8	87.8	87.0	84.0	81.0	76.4	72.6
82.5°	50.7	54.5	58.3	61.3	61.3	62.0	60.5	59.8	56.7	53.0	52.2
85°	30.3	31.0	34.0	34.0	37.1	35.6	34.8	37.1	34.0	31.8	31.0
87.5°	13.6	12.9	13.6	13.6	12.9	14.4	14.4	13.6	14.4	13.6	13.6
90°	16.0	16.3	16.8	17.3	17.8	18.3	17.8	17.3	16.8	16.3	16.0
92.5°	38.9	39.1	39.4	39.8	40.1	40.5	40.1	39.8	39.4	39.1	38.9
95°	64.1	64.3	64.6	65.0	65.3	65.7	65.3	65.0	64.6	64.3	64.1
97.5°	92.4	92.5	92.7	92.8	93.0	93.2	93.0	92.8	92.7	92.5	92.4
100°	123.7	123.9	124.2	124.5	124.9	125.2	124.9	124.5	124.2	123.9	123.7
102.5°	155.0	155.3	155.8	156.3	156.8	157.3	156.8	156.3	155.8	155.3	155.0
105°	187.1	187.4	187.9	188.4	188.9	189.4	188.9	188.4	187.9	187.4	187.1
107.5°	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4
110°	258.9	258.8	258.6	258.5	258.3	258.1	258.3	258.5	258.6	258.8	258.9

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	295.5	295.3	295.0	294.7	294.3	294.0	294.3	294.7	295.0	295.3	295.5
115°	332.9	332.8	332.7	332.5	332.4	332.2	332.4	332.5	332.7	332.8	332.9
117.5°	371.9	371.6	370.9	370.2	369.5	368.8	369.5	370.2	370.9	371.6	371.9
120°	410.0	409.7	409.0	408.3	407.7	407.0	407.7	408.3	409.0	409.7	410.0
122.5°	447.5	447.2	446.7	446.2	445.7	445.2	445.7	446.2	446.7	447.2	447.5
125°	484.1	484.0	483.8	483.7	483.5	483.3	483.5	483.7	483.8	484.0	484.1
127.5°	521.5	521.3	521.0	520.7	520.3	520.0	520.3	520.7	521.0	521.3	521.5
130°	558.2	558.0	557.7	557.4	557.0	556.7	557.0	557.4	557.7	558.0	558.2
132.5°	593.3	593.0	592.5	592.0	591.5	591.0	591.5	592.0	592.5	593.0	593.3
135°	630.0	629.7	629.0	628.3	627.6	626.9	627.6	628.3	629.0	629.7	630.0
137.5°	665.8	665.4	664.5	663.7	662.8	662.0	662.8	663.7	664.5	665.4	665.8
140°	699.4	699.0	698.1	697.3	696.4	695.6	696.4	697.3	698.1	699.0	699.4
142.5°	731.5	731.1	730.2	729.4	728.5	727.7	728.5	729.4	730.2	731.1	731.5
145°	762.1	761.8	761.3	760.8	760.3	759.8	760.3	760.8	761.3	761.8	762.1
147.5°	792.6	791.9	790.6	789.2	787.9	786.5	787.9	789.2	790.6	791.9	792.6
150°	818.6	818.4	818.1	817.7	817.4	817.0	817.4	817.7	818.1	818.4	818.6
152.5°	845.3	845.0	844.3	843.6	842.9	842.2	842.9	843.6	844.3	845.0	845.3
155°	869.7	869.3	868.4	867.6	866.7	865.9	866.7	867.6	868.4	869.3	869.7
157.5°	891.1	890.5	889.3	888.2	887.0	885.8	887.0	888.2	889.3	890.5	891.1
160°	910.2	909.8	908.9	908.1	907.2	906.4	907.2	908.1	908.9	909.8	910.2
162.5°	928.5	928.0	927.0	925.9	924.9	923.9	924.9	925.9	927.0	928.0	928.5
165°	943.8	943.3	942.3	941.2	940.2	939.2	940.2	941.2	942.3	943.3	943.8
167.5°	956.8	956.3	955.3	954.2	953.2	952.2	953.2	954.2	955.3	956.3	956.8
170°	967.5	966.9	965.7	964.5	963.3	962.1	963.3	964.5	965.7	966.9	967.5
172.5°	975.1	974.6	973.6	972.5	971.5	970.5	971.5	972.5	973.6	974.6	975.1
175°	980.4	979.8	978.6	977.5	976.3	975.1	976.3	977.5	978.6	979.8	980.4
177.5°	983.5	982.9	981.7	980.6	979.4	978.2	979.4	980.6	981.7	982.9	983.5
180°	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	846.6	842.1	847.4	840.6	842.1	850.4	849.6	857.2	861.8	861.0	864.8
5°	790.6	790.6	792.9	792.1	799.7	806.5	815.6	823.2	831.5	836.0	841.3
7.5°	735.4	743.0	744.5	748.3	757.3	768.7	777.8	789.1	801.2	809.5	815.6
10°	690.0	696.1	702.1	705.1	715.0	730.1	743.0	761.1	776.3	785.3	793.7
12.5°	649.9	656.7	659.7	673.4	680.2	690.0	708.2	727.8	744.5	754.3	761.1
15°	621.2	624.9	631.7	640.1	646.9	659.0	674.1	696.1	711.9	720.3	743.7
17.5°	596.9	601.5	605.3	609.1	619.6	632.5	646.9	665.8	686.2	700.6	712.7
20°	572.0	574.2	578.8	584.8	592.4	604.5	617.4	637.0	655.2	666.6	682.4
22.5°	542.5	549.3	553.8	558.4	566.7	580.3	592.4	606.8	629.5	642.3	659.0
25°	525.1	528.1	531.1	536.4	542.5	554.6	568.2	583.3	601.5	615.1	629.5
27.5°	502.4	506.9	510.7	517.5	521.3	531.1	544.0	559.1	581.1	592.4	604.5
30°	483.5	488.0	491.0	494.1	499.3	509.9	522.0	534.1	554.6	569.0	581.1
32.5°	464.5	469.1	472.9	475.1	480.4	487.2	497.1	512.2	529.6	539.4	555.3
35°	447.9	447.9	452.4	455.5	460.0	466.1	475.1	486.5	504.6	517.5	531.9
37.5°	429.0	429.7	433.5	435.8	440.3	446.4	455.5	466.1	481.2	491.0	505.4
40°	409.3	411.6	413.1	416.9	422.2	424.4	433.5	445.6	460.8	469.8	481.9
42.5°	389.6	391.2	394.9	398.0	402.5	406.3	412.3	423.7	435.0	448.7	458.5
45°	367.7	371.5	373.8	379.0	381.3	385.1	391.2	400.2	413.9	422.2	433.5
47.5°	348.8	350.3	351.8	358.6	363.2	365.4	371.5	376.8	391.2	398.7	409.3
50°	328.4	328.4	330.6	333.7	339.0	343.5	348.8	354.8	366.2	373.8	384.3
52.5°	309.4	307.2	308.7	310.2	315.5	320.0	325.3	333.7	344.2	348.8	357.9
55°	289.0	285.2	287.5	289.8	291.3	297.3	303.4	308.7	317.0	323.8	332.1
57.5°	267.1	266.3	264.8	265.6	269.3	273.1	277.7	284.5	294.3	299.6	304.1
60°	247.4	242.9	241.4	242.9	245.1	247.4	253.5	259.5	267.8	273.1	278.4
62.5°	227.0	222.4	219.4	217.1	219.4	224.7	228.5	233.0	239.8	245.9	250.4
65°	207.3	200.5	197.5	196.0	195.2	199.0	202.0	208.1	214.1	216.4	221.7
67.5°	185.4	179.3	175.5	173.3	173.3	173.3	176.3	182.3	188.4	189.1	194.4
70°	163.4	156.6	152.8	149.8	148.3	149.8	153.6	154.3	159.6	161.2	164.2
72.5°	140.0	133.9	129.4	125.6	126.3	127.9	127.9	129.4	132.4	136.2	136.2
75°	118.0	109.7	107.4	104.4	102.9	102.9	102.9	105.9	108.2	111.2	110.5
77.5°	93.1	88.5	84.0	82.5	80.2	79.4	81.0	81.0	82.5	84.7	85.5
80°	71.9	66.6	63.6	62.0	59.0	58.3	59.0	59.0	61.3	60.5	61.3
82.5°	49.9	46.2	43.9	41.6	40.1	40.9	40.1	40.1	40.9	40.1	40.1
85°	28.8	28.0	26.5	25.7	25.0	23.5	25.0	24.2	23.5	22.7	24.2
87.5°	13.6	12.9	12.9	11.3	11.3	10.6	11.3	11.3	10.6	10.6	10.6
90°	15.6	14.7	13.9	13.0	12.2	11.0	9.8	8.7	7.5	6.9	6.2
92.5°	38.3	37.1	36.0	34.8	33.6	32.1	30.5	29.0	27.5	26.7	26.3
95°	63.5	62.3	61.2	60.0	58.8	57.1	55.4	53.7	52.0	51.2	51.0
97.5°	91.9	90.9	89.8	88.8	87.8	85.4	83.0	80.7	78.3	77.1	77.0
100°	122.9	121.4	119.9	118.3	116.8	114.6	112.4	110.2	108.0	106.9	106.9
102.5°	154.2	152.5	150.8	149.1	147.4	146.6	145.7	144.9	144.0	143.6	143.2
105°	186.6	185.6	184.5	183.5	182.5	181.5	180.5	179.4	178.4	177.9	177.5
107.5°	221.1	220.6	220.1	219.6	219.1	218.3	217.4	216.6	215.7	215.3	214.9
110°	258.6	258.1	257.6	257.1	256.6	256.1	255.6	255.1	254.6	254.3	253.9

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	295.4	295.2	295.1	294.9	294.7	294.0	293.4	292.7	292.0	291.7	291.5
115°	333.0	333.2	333.3	333.5	333.7	333.4	333.0	332.7	332.4	332.2	331.9
117.5°	371.8	371.6	371.5	371.3	371.1	370.8	370.4	370.1	369.8	369.6	369.5
120°	410.0	410.0	410.0	410.0	410.0	409.8	409.7	409.5	409.4	409.3	408.9
122.5°	447.6	447.7	447.9	448.0	448.2	447.7	447.2	446.7	446.2	445.9	445.8
125°	484.3	484.6	484.9	485.3	485.6	485.4	485.3	485.1	485.0	484.9	484.4
127.5°	521.6	521.8	521.9	522.1	522.3	522.1	521.9	521.8	521.6	521.5	521.2
130°	558.3	558.4	558.6	558.7	558.9	558.6	558.2	557.9	557.6	557.4	557.0
132.5°	593.4	593.6	593.7	593.9	594.1	594.3	594.4	594.6	594.7	594.8	594.0
135°	630.0	630.0	630.0	630.0	630.0	629.8	629.6	629.5	629.3	629.2	628.7
137.5°	665.7	665.6	665.4	665.3	665.1	664.8	664.4	664.1	663.8	663.6	663.1
140°	699.2	698.9	698.6	698.2	697.9	697.4	696.9	696.4	695.9	695.6	695.2
142.5°	731.4	731.3	731.1	731.0	730.8	730.1	729.4	728.7	728.0	727.7	727.4
145°	762.1	762.1	762.1	762.1	762.1	761.6	761.1	760.6	760.1	759.8	759.5
147.5°	792.3	791.8	791.3	790.8	790.3	790.0	789.6	789.3	789.0	788.8	788.5
150°	818.6	818.6	818.6	818.6	818.6	817.9	817.2	816.5	815.8	815.5	815.6
152.5°	845.0	844.5	844.0	843.5	843.0	842.8	842.6	842.5	842.3	842.2	842.0
155°	869.4	868.7	868.0	867.4	866.7	866.5	866.3	866.2	866.0	865.9	865.9
157.5°	890.8	890.1	889.4	888.8	888.1	887.9	887.7	887.6	887.4	887.3	887.5
160°	909.9	909.2	908.5	907.8	907.1	906.9	906.8	906.6	906.5	906.4	906.7
162.5°	928.1	927.2	926.4	925.5	924.7	924.7	924.7	924.7	924.7	924.7	924.9
165°	943.5	942.8	942.1	941.4	940.7	940.5	940.4	940.2	940.1	940.0	940.2
167.5°	956.3	955.3	954.2	953.2	952.2	952.2	952.2	952.2	952.2	952.2	952.5
170°	967.0	966.0	964.9	963.9	962.9	962.9	962.9	962.9	962.9	962.9	963.2
172.5°	974.6	973.6	972.5	971.5	970.5	970.5	970.5	970.5	970.5	970.5	970.8
175°	979.9	978.9	977.9	976.9	975.9	975.9	975.9	975.9	975.9	975.9	976.2
177.5°	983.0	982.0	980.9	979.9	978.9	979.1	979.3	979.4	979.6	979.7	980.0
180°	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2	981.2

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	891.3	891.3	891.3	891.3
2.5°	870.1	877.6	882.9	892.8
5°	850.4	864.0	876.9	890.5
7.5°	830.7	846.6	867.0	884.4
10°	808.8	829.2	853.4	876.9
12.5°	786.8	811.1	837.5	868.6
15°	760.4	791.4	822.4	855.7
17.5°	736.9	768.7	802.0	843.6
20°	710.4	745.2	781.6	823.9
22.5°	687.0	725.6	763.4	808.0
25°	660.5	698.3	739.9	787.6
27.5°	638.6	673.4	714.2	765.7
30°	612.1	649.9	690.8	742.2
32.5°	587.1	623.4	666.6	717.2
35°	561.4	598.5	637.0	685.5
37.5°	537.2	569.0	607.5	653.7
40°	509.9	544.7	579.5	615.9
42.5°	485.0	516.7	549.3	578.0
45°	457.0	484.2	515.2	538.7
47.5°	431.3	455.5	479.7	497.8
50°	405.5	424.4	442.6	458.5
52.5°	375.3	396.5	406.3	416.1
55°	348.0	360.1	369.2	379.0
57.5°	321.5	326.8	331.4	340.5
60°	286.7	292.8	298.1	304.9
62.5°	256.5	259.5	261.0	267.8
65°	227.7	227.0	230.8	234.5
67.5°	196.7	196.0	199.7	201.3
70°	166.4	165.7	166.4	170.2
72.5°	137.7	137.7	138.5	140.0
75°	111.2	111.2	112.0	113.5
77.5°	84.0	85.5	84.7	87.8
80°	61.3	59.8	61.3	62.8
82.5°	40.1	41.6	41.6	40.1
85°	22.7	22.7	22.7	22.7
87.5°	9.8	9.8	10.6	11.3
90°	4.9	3.5	2.2	0.8
92.5°	25.4	24.6	23.7	22.9
95°	50.7	50.3	50.0	49.6
97.5°	76.9	76.7	76.6	76.4
100°	106.9	106.9	106.9	106.9
102.5°	142.3	141.4	140.6	139.7
105°	176.6	175.8	174.9	174.1
107.5°	214.0	213.2	212.3	211.5
110°	253.0	252.2	251.3	250.5

TEST NUMBER: P1028160

CATALOG NUMBER: S125DIP-B610D850UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	291.2	290.9	290.5	290.2
115°	331.2	330.5	329.8	329.1
117.5°	369.3	369.2	369.0	368.8
120°	408.0	407.2	406.3	405.5
122.5°	445.7	445.5	445.4	445.2
125°	483.4	482.3	481.3	480.3
127.5°	520.7	520.2	519.7	519.2
130°	556.1	555.3	554.4	553.6
132.5°	592.5	591.0	589.5	588.0
135°	627.7	626.6	625.6	624.6
137.5°	662.1	661.0	660.0	659.0
140°	694.3	693.5	692.6	691.8
142.5°	726.7	726.0	725.3	724.6
145°	758.8	758.1	757.4	756.7
147.5°	788.0	787.5	787.0	786.5
150°	815.8	815.9	816.1	816.3
152.5°	841.7	841.4	841.0	840.7
155°	865.9	865.9	865.9	865.9
157.5°	887.8	888.1	888.5	888.8
160°	907.2	907.7	908.2	908.7
162.5°	925.2	925.5	925.9	926.2
165°	940.5	940.8	941.2	941.5
167.5°	953.2	953.9	954.5	955.2
170°	963.9	964.6	965.2	965.9
172.5°	971.5	972.2	972.9	973.6
175°	976.9	977.6	978.2	978.9
177.5°	980.7	981.4	982.0	982.7
180°	981.2	981.2	981.2	981.2

(END OF REPORT)