

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: P1027981

Luminaire Tested: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027981
REPORT IS A COMBINATION OF REPORTS P1002145 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D1090UB30-4F0-XX-W2A-A4
Description: Define 5 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

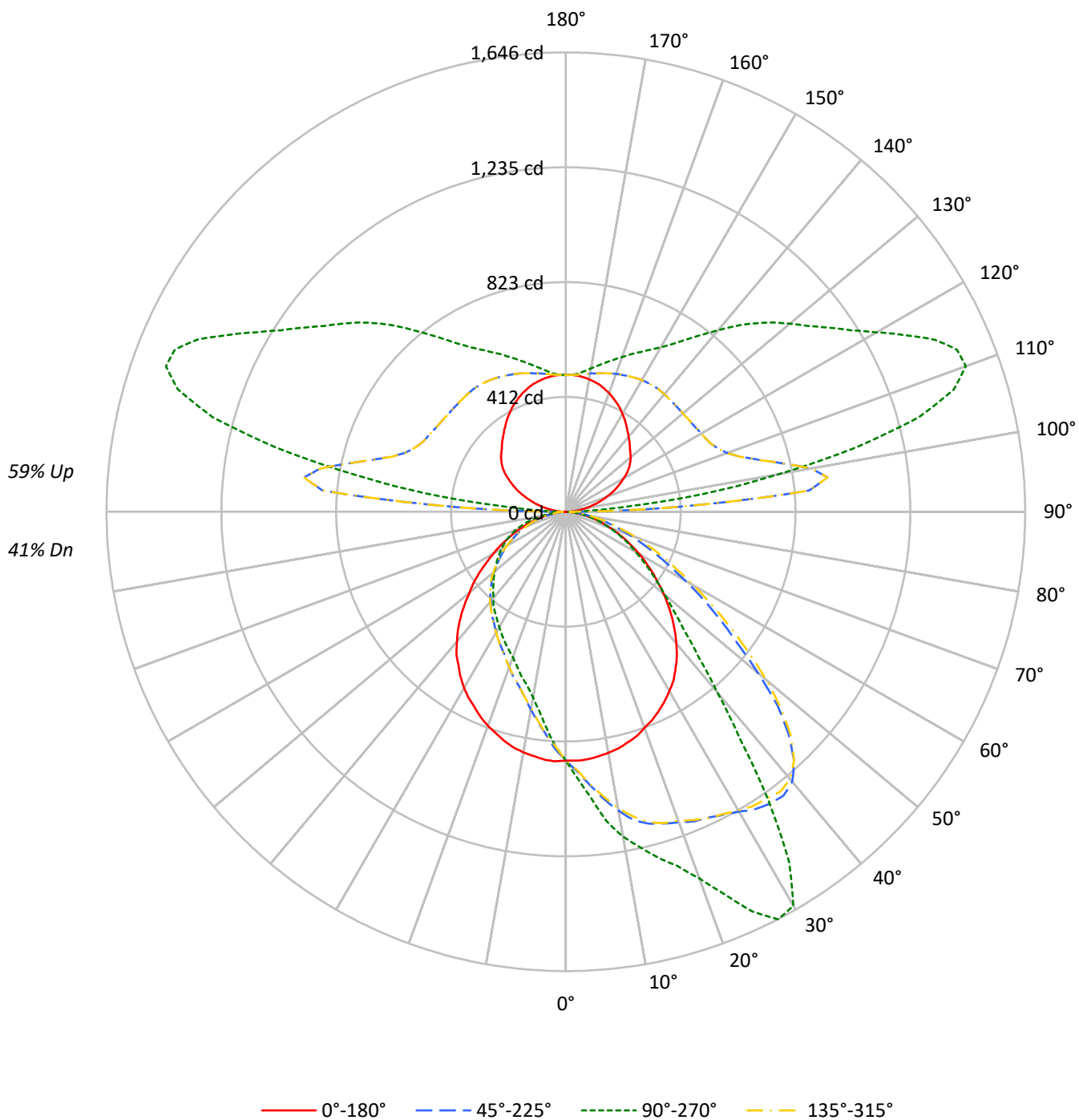
Lumens per Lamp: N/A
Luminaire Lumens: 6199.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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



TEST NUMBER: P1027981

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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	80	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°	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	1.4
10°-20°	255.5	4.1
20°-30°	415.0	6.7
30°-40°	507.2	8.2
40°-50°	460.1	7.4
50°-60°	366.5	5.9
60°-70°	255.2	4.1
70°-80°	136.0	2.2
80°-90°	35.7	0.6
90°-100°	356.6	5.8
100°-110°	769.0	12.4
110°-120°	716.9	11.6
120°-130°	580.6	9.4
130°-140°	466.2	7.5
140°-150°	351.7	5.7
150°-160°	247.6	4.0
160°-170°	146.0	2.4
170°-180°	47.5	0.8
0°-30°	756.3	12.2
0°-40°	1263.5	20.4
0°-60°	2090.1	33.7
0°-90°	2517.0	40.6
90°-120°	1842.5	29.7
90°-150°	3241.0	52.3
90°-180°	3682.0	59.4
0°-180°	6199.0	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	23	1	23	1	4
95°	33	232	33	232	33	34
105°	112	1310	112	1310	112	118
115°	200	1459	200	1459	200	197
125°	277	1150	277	1150	277	246
135°	324	955	324	955	324	252
145°	378	753	378	753	378	237
155°	431	632	431	632	431	198
165°	470	554	470	554	470	133
175°	489	497	489	497	489	46
180°	490	490	490	490	490	

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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°	1.0	2.0	4.0	5.9	7.9	8.9	9.9	10.9	12.8	13.8	15.8
92.5°	14.8	17.8	27.7	42.5	63.3	81.0	98.8	166.0	278.7	401.3	394.4
95°	32.6	33.6	41.5	52.4	74.1	96.4	118.6	224.4	441.8	714.6	875.7
97.5°	50.4	51.4	57.3	68.2	88.0	104.3	120.6	193.7	360.7	655.3	945.9
100°	69.2	71.2	75.1	86.0	104.8	119.6	134.4	191.7	320.2	569.3	892.5
102.5°	89.9	90.9	93.9	105.8	122.6	136.9	151.2	200.6	303.4	504.1	798.6
105°	111.7	111.7	116.6	126.5	142.3	156.2	170.0	213.5	301.4	466.5	716.6
107.5°	132.4	134.4	139.4	147.3	164.1	176.4	188.8	231.3	308.4	446.7	655.3
110°	155.2	157.1	161.1	170.0	184.8	197.6	210.5	251.0	319.2	438.8	614.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	177.9	179.9	182.8	191.7	206.6	219.0	231.3	269.8	333.1	438.8	591.0
115°	199.6	201.6	204.6	213.5	228.3	240.6	253.0	289.6	346.9	441.8	575.2
117.5°	219.4	222.4	225.3	234.2	251.0	262.9	274.8	309.4	362.7	446.7	566.3
120°	239.2	242.1	246.1	255.0	271.8	284.2	296.5	331.1	378.5	454.6	560.4
122.5°	259.9	261.9	264.9	273.8	292.6	305.0	317.3	351.9	396.3	461.6	555.5
125°	276.7	278.7	283.7	292.6	311.3	324.2	337.0	369.6	412.1	469.5	551.5
127.5°	290.6	293.5	299.5	310.3	330.1	343.0	355.8	387.4	427.0	478.4	549.5
130°	303.4	306.4	314.3	327.1	347.9	360.8	373.6	404.2	441.8	486.3	547.5
132.5°	313.3	317.3	327.1	342.0	363.7	376.5	389.4	420.0	454.6	495.2	547.5
135°	324.2	328.1	340.0	355.8	376.6	389.9	403.2	433.9	466.5	503.1	547.5
137.5°	338.0	341.0	351.9	367.7	388.4	402.2	416.1	443.8	475.4	511.0	548.5
140°	349.9	352.8	364.7	380.5	399.3	412.6	426.0	454.6	484.3	515.9	549.5
142.5°	363.7	365.7	376.6	392.4	410.2	422.6	434.9	461.6	489.2	518.9	550.5
145°	377.6	379.5	389.4	403.2	421.0	432.4	443.8	469.5	494.2	520.9	549.5
147.5°	392.4	393.4	402.3	415.1	430.9	441.3	451.7	474.4	497.1	521.8	547.5
150°	405.2	407.2	414.1	427.0	440.8	449.2	457.6	479.4	500.1	521.8	544.6
152.5°	419.1	420.0	426.0	436.9	449.7	457.1	464.5	484.3	502.1	520.9	540.6
155°	430.9	430.9	436.9	446.7	456.6	463.6	470.5	487.3	503.1	518.9	535.7
157.5°	441.8	441.8	446.7	455.6	464.5	470.0	475.4	490.2	504.1	516.9	530.7
160°	452.7	451.7	455.6	462.5	470.5	475.0	479.4	492.2	504.1	513.9	525.8
162.5°	461.6	460.6	464.5	470.5	476.4	479.8	483.3	494.2	503.1	511.0	519.9
165°	470.5	468.5	471.4	476.4	480.3	483.3	486.3	494.2	502.1	508.0	513.9
167.5°	476.4	475.4	477.4	480.3	483.3	485.3	487.3	494.2	500.1	503.1	508.0
170°	482.3	481.3	482.3	484.3	486.3	487.8	489.2	494.2	498.1	500.1	503.1
172.5°	486.3	484.3	485.3	487.3	488.2	488.7	489.2	493.2	496.2	496.2	497.1
175°	489.2	487.3	488.2	489.2	489.2	489.2	489.2	492.2	494.2	493.2	493.2
177.5°	491.2	489.2	489.2	490.2	489.2	489.2	489.2	491.2	492.2	490.2	490.2
180°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2

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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°	16.8	17.8	18.8	19.8	20.8	21.7	21.7	21.7	22.7	22.7	22.7
92.5°	318.2	214.5	154.2	114.6	105.2	95.9	80.1	77.1	75.1	73.1	75.1
95°	856.9	710.6	560.4	438.8	397.3	355.8	285.6	256.0	248.1	232.3	248.1
97.5°	1070.4	1019.0	899.4	776.8	717.5	658.2	598.9	547.5	520.9	509.0	520.9
100°	1139.6	1215.7	1167.2	1065.4	1014.0	962.7	894.5	823.3	786.7	770.9	786.7
102.5°	1098.1	1281.9	1331.3	1295.7	1265.1	1234.5	1160.3	1114.9	1074.3	1063.5	1074.3
105°	1000.2	1237.4	1372.8	1416.3	1410.8	1405.4	1373.8	1341.2	1321.4	1309.6	1321.4
107.5°	907.3	1146.5	1325.4	1430.1	1451.8	1473.6	1482.5	1477.6	1467.7	1457.8	1467.7
110°	830.2	1043.7	1231.5	1370.8	1412.8	1454.9	1499.3	1518.1	1525.0	1525.0	1525.0

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	772.9	962.7	1138.6	1279.9	1331.3	1382.7	1452.9	1488.5	1508.2	1517.1	1508.2
115°	734.3	897.4	1050.6	1186.0	1239.9	1293.8	1370.8	1418.3	1446.0	1458.8	1446.0
117.5°	708.6	852.0	987.4	1106.0	1156.9	1207.8	1285.8	1335.3	1362.9	1370.8	1362.9
120°	687.9	816.4	935.0	1043.7	1087.2	1130.7	1203.8	1251.3	1277.9	1285.8	1277.9
122.5°	670.1	789.7	897.4	991.3	1031.4	1071.4	1134.6	1177.1	1203.8	1210.7	1203.8
125°	654.3	764.0	864.8	950.8	986.4	1022.0	1077.3	1117.8	1139.6	1149.5	1139.6
127.5°	639.5	737.3	833.2	914.2	947.8	981.4	1031.8	1068.4	1089.2	1093.1	1089.2
130°	624.6	712.6	799.6	876.7	908.8	940.9	990.3	1022.9	1042.7	1048.6	1042.7
132.5°	612.8	687.9	767.9	836.1	866.8	897.4	946.8	979.5	997.2	1004.2	997.2
135°	603.9	667.1	735.3	798.6	826.8	854.9	898.4	931.0	948.8	954.7	948.8
137.5°	595.0	648.4	705.7	760.0	784.8	809.5	849.0	879.6	896.4	903.4	896.4
140°	589.1	633.5	680.0	725.5	746.2	767.0	803.5	829.2	844.1	849.0	844.1
142.5°	584.1	620.7	658.2	695.8	713.1	730.4	760.0	780.8	794.6	798.6	794.6
145°	579.2	609.8	640.5	671.1	684.4	697.8	721.5	738.3	749.2	753.1	749.2
147.5°	574.2	598.9	624.6	649.3	659.7	670.1	689.9	703.7	710.6	712.6	710.6
150°	568.3	590.0	611.8	630.6	639.5	648.4	663.2	675.0	679.0	680.0	679.0
152.5°	561.4	580.2	598.9	615.7	622.2	628.6	640.5	649.3	653.3	654.3	653.3
155°	553.5	570.3	586.1	599.9	605.3	610.8	620.7	627.6	630.6	631.6	630.6
157.5°	546.6	560.4	574.2	585.1	589.6	594.0	601.9	607.8	610.8	610.8	610.8
160°	537.7	550.5	560.4	570.3	573.8	577.2	584.1	589.1	591.0	590.0	591.0
162.5°	529.8	539.6	548.5	556.4	559.4	562.4	567.3	571.3	571.3	571.3	571.3
165°	521.8	529.8	536.7	542.6	545.0	547.5	551.5	553.5	553.5	553.5	553.5
167.5°	513.9	519.9	524.8	529.8	531.8	533.7	535.7	537.7	536.7	536.7	536.7
170°	507.0	512.0	514.9	517.9	518.9	519.9	521.8	522.8	522.8	521.8	522.8
172.5°	500.1	503.1	506.0	508.0	508.5	509.0	509.0	511.0	509.0	508.0	509.0
175°	494.2	497.1	497.1	499.1	499.1	499.1	499.1	500.1	498.1	497.1	498.1
177.5°	491.2	492.2	493.2	493.2	493.2	493.2	492.2	493.2	490.2	490.2	490.2
180°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1488.5	1452.9	1382.7	1331.3	1279.9	1138.6	962.7	772.9	591.0	438.8	333.1
115°	1418.3	1370.8	1293.8	1239.9	1186.0	1050.6	897.4	734.3	575.2	441.8	346.9
117.5°	1335.3	1285.8	1207.8	1156.9	1106.0	987.4	852.0	708.6	566.3	446.7	362.7
120°	1251.3	1203.8	1130.7	1087.2	1043.7	935.0	816.4	687.9	560.4	454.6	378.5
122.5°	1177.1	1134.6	1071.4	1031.4	991.3	897.4	789.7	670.1	555.5	461.6	396.3
125°	1117.8	1077.3	1022.0	986.4	950.8	864.8	764.0	654.3	551.5	469.5	412.1
127.5°	1068.4	1031.8	981.4	947.8	914.2	833.2	737.3	639.5	549.5	478.4	427.0
130°	1022.9	990.3	940.9	908.8	876.7	799.6	712.6	624.6	547.5	486.3	441.8
132.5°	979.5	946.8	897.4	866.8	836.1	767.9	687.9	612.8	547.5	495.2	454.6
135°	931.0	898.4	854.9	826.8	798.6	735.3	667.1	603.9	547.5	503.1	466.5
137.5°	879.6	849.0	809.5	784.8	760.0	705.7	648.4	595.0	548.5	511.0	475.4
140°	829.2	803.5	767.0	746.2	725.5	680.0	633.5	589.1	549.5	515.9	484.3
142.5°	780.8	760.0	730.4	713.1	695.8	658.2	620.7	584.1	550.5	518.9	489.2
145°	738.3	721.5	697.8	684.4	671.1	640.5	609.8	579.2	549.5	520.9	494.2
147.5°	703.7	689.9	670.1	659.7	649.3	624.6	598.9	574.2	547.5	521.8	497.1
150°	675.0	663.2	648.4	639.5	630.6	611.8	590.0	568.3	544.6	521.8	500.1
152.5°	649.3	640.5	628.6	622.2	615.7	598.9	580.2	561.4	540.6	520.9	502.1
155°	627.6	620.7	610.8	605.3	599.9	586.1	570.3	553.5	535.7	518.9	503.1
157.5°	607.8	601.9	594.0	589.6	585.1	574.2	560.4	546.6	530.7	516.9	504.1
160°	589.1	584.1	577.2	573.8	570.3	560.4	550.5	537.7	525.8	513.9	504.1
162.5°	571.3	567.3	562.4	559.4	556.4	548.5	539.6	529.8	519.9	511.0	503.1
165°	553.5	551.5	547.5	545.0	542.6	536.7	529.8	521.8	513.9	508.0	502.1
167.5°	537.7	535.7	533.7	531.8	529.8	524.8	519.9	513.9	508.0	503.1	500.1
170°	522.8	521.8	519.9	518.9	517.9	514.9	512.0	507.0	503.1	500.1	498.1
172.5°	511.0	509.0	509.0	508.5	508.0	506.0	503.1	500.1	497.1	496.2	496.2
175°	500.1	499.1	499.1	499.1	499.1	497.1	497.1	494.2	493.2	493.2	494.2
177.5°	493.2	492.2	493.2	493.2	493.2	493.2	492.2	491.2	490.2	490.2	492.2
180°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

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°	10.9	9.9	8.9	7.9	5.9	4.0	2.0	1.0	2.0	4.0	5.9
92.5°	166.0	98.8	81.0	63.3	42.5	27.7	17.8	14.8	17.8	27.7	42.5
95°	224.4	118.6	96.4	74.1	52.4	41.5	33.6	32.6	33.6	41.5	52.4
97.5°	193.7	120.6	104.3	88.0	68.2	57.3	51.4	50.4	51.4	57.3	68.2
100°	191.7	134.4	119.6	104.8	86.0	75.1	71.2	69.2	71.2	75.1	86.0
102.5°	200.6	151.2	136.9	122.6	105.8	93.9	90.9	89.9	90.9	93.9	105.8
105°	213.5	170.0	156.2	142.3	126.5	116.6	111.7	111.7	111.7	116.6	126.5
107.5°	231.3	188.8	176.4	164.1	147.3	139.4	134.4	132.4	134.4	139.4	147.3
110°	251.0	210.5	197.6	184.8	170.0	161.1	157.1	155.2	157.1	161.1	170.0

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	269.8	231.3	219.0	206.6	191.7	182.8	179.9	177.9	179.9	182.8	191.7
115°	289.6	253.0	240.6	228.3	213.5	204.6	201.6	199.6	201.6	204.6	213.5
117.5°	309.4	274.8	262.9	251.0	234.2	225.3	222.4	219.4	222.4	225.3	234.2
120°	331.1	296.5	284.2	271.8	255.0	246.1	242.1	239.2	242.1	246.1	255.0
122.5°	351.9	317.3	305.0	292.6	273.8	264.9	261.9	259.9	261.9	264.9	273.8
125°	369.6	337.0	324.2	311.3	292.6	283.7	278.7	276.7	278.7	283.7	292.6
127.5°	387.4	355.8	343.0	330.1	310.3	299.5	293.5	290.6	293.5	299.5	310.3
130°	404.2	373.6	360.8	347.9	327.1	314.3	306.4	303.4	306.4	314.3	327.1
132.5°	420.0	389.4	376.5	363.7	342.0	327.1	317.3	313.3	317.3	327.1	342.0
135°	433.9	403.2	389.9	376.6	355.8	340.0	328.1	324.2	328.1	340.0	355.8
137.5°	443.8	416.1	402.2	388.4	367.7	351.9	341.0	338.0	341.0	351.9	367.7
140°	454.6	426.0	412.6	399.3	380.5	364.7	352.8	349.9	352.8	364.7	380.5
142.5°	461.6	434.9	422.6	410.2	392.4	376.6	365.7	363.7	365.7	376.6	392.4
145°	469.5	443.8	432.4	421.0	403.2	389.4	379.5	377.6	379.5	389.4	403.2
147.5°	474.4	451.7	441.3	430.9	415.1	402.3	393.4	392.4	393.4	402.3	415.1
150°	479.4	457.6	449.2	440.8	427.0	414.1	407.2	405.2	407.2	414.1	427.0
152.5°	484.3	464.5	457.1	449.7	436.9	426.0	420.0	419.1	420.0	426.0	436.9
155°	487.3	470.5	463.6	456.6	446.7	436.9	430.9	430.9	430.9	436.9	446.7
157.5°	490.2	475.4	470.0	464.5	455.6	446.7	441.8	441.8	441.8	446.7	455.6
160°	492.2	479.4	475.0	470.5	462.5	455.6	451.7	452.7	451.7	455.6	462.5
162.5°	494.2	483.3	479.8	476.4	470.5	464.5	460.6	461.6	460.6	464.5	470.5
165°	494.2	486.3	483.3	480.3	476.4	471.4	468.5	470.5	468.5	471.4	476.4
167.5°	494.2	487.3	485.3	483.3	480.3	477.4	475.4	476.4	475.4	477.4	480.3
170°	494.2	489.2	487.8	486.3	484.3	482.3	481.3	482.3	481.3	482.3	484.3
172.5°	493.2	489.2	488.7	488.2	487.3	485.3	484.3	486.3	484.3	485.3	487.3
175°	492.2	489.2	489.2	489.2	489.2	488.2	487.3	489.2	487.3	488.2	489.2
177.5°	491.2	489.2	489.2	489.2	490.2	489.2	489.2	491.2	489.2	489.2	490.2
180°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

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°	7.9	8.9	9.9	10.9	12.8	13.8	15.8	16.8	17.8	18.8	19.8
92.5°	63.3	81.0	98.8	166.0	278.7	401.3	394.4	318.2	214.5	154.2	114.6
95°	74.1	96.4	118.6	224.4	441.8	714.6	875.7	856.9	710.6	560.4	438.8
97.5°	88.0	104.3	120.6	193.7	360.7	655.3	945.9	1070.4	1019.0	899.4	776.8
100°	104.8	119.6	134.4	191.7	320.2	569.3	892.5	1139.6	1215.7	1167.2	1065.4
102.5°	122.6	136.9	151.2	200.6	303.4	504.1	798.6	1098.1	1281.9	1331.3	1295.7
105°	142.3	156.2	170.0	213.5	301.4	466.5	716.6	1000.2	1237.4	1372.8	1416.3
107.5°	164.1	176.4	188.8	231.3	308.4	446.7	655.3	907.3	1146.5	1325.4	1430.1
110°	184.8	197.6	210.5	251.0	319.2	438.8	614.8	830.2	1043.7	1231.5	1370.8

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	206.6	219.0	231.3	269.8	333.1	438.8	591.0	772.9	962.7	1138.6	1279.9
115°	228.3	240.6	253.0	289.6	346.9	441.8	575.2	734.3	897.4	1050.6	1186.0
117.5°	251.0	262.9	274.8	309.4	362.7	446.7	566.3	708.6	852.0	987.4	1106.0
120°	271.8	284.2	296.5	331.1	378.5	454.6	560.4	687.9	816.4	935.0	1043.7
122.5°	292.6	305.0	317.3	351.9	396.3	461.6	555.5	670.1	789.7	897.4	991.3
125°	311.3	324.2	337.0	369.6	412.1	469.5	551.5	654.3	764.0	864.8	950.8
127.5°	330.1	343.0	355.8	387.4	427.0	478.4	549.5	639.5	737.3	833.2	914.2
130°	347.9	360.8	373.6	404.2	441.8	486.3	547.5	624.6	712.6	799.6	876.7
132.5°	363.7	376.5	389.4	420.0	454.6	495.2	547.5	612.8	687.9	767.9	836.1
135°	376.6	389.9	403.2	433.9	466.5	503.1	547.5	603.9	667.1	735.3	798.6
137.5°	388.4	402.2	416.1	443.8	475.4	511.0	548.5	595.0	648.4	705.7	760.0
140°	399.3	412.6	426.0	454.6	484.3	515.9	549.5	589.1	633.5	680.0	725.5
142.5°	410.2	422.6	434.9	461.6	489.2	518.9	550.5	584.1	620.7	658.2	695.8
145°	421.0	432.4	443.8	469.5	494.2	520.9	549.5	579.2	609.8	640.5	671.1
147.5°	430.9	441.3	451.7	474.4	497.1	521.8	547.5	574.2	598.9	624.6	649.3
150°	440.8	449.2	457.6	479.4	500.1	521.8	544.6	568.3	590.0	611.8	630.6
152.5°	449.7	457.1	464.5	484.3	502.1	520.9	540.6	561.4	580.2	598.9	615.7
155°	456.6	463.6	470.5	487.3	503.1	518.9	535.7	553.5	570.3	586.1	599.9
157.5°	464.5	470.0	475.4	490.2	504.1	516.9	530.7	546.6	560.4	574.2	585.1
160°	470.5	475.0	479.4	492.2	504.1	513.9	525.8	537.7	550.5	560.4	570.3
162.5°	476.4	479.8	483.3	494.2	503.1	511.0	519.9	529.8	539.6	548.5	556.4
165°	480.3	483.3	486.3	494.2	502.1	508.0	513.9	521.8	529.8	536.7	542.6
167.5°	483.3	485.3	487.3	494.2	500.1	503.1	508.0	513.9	519.9	524.8	529.8
170°	486.3	487.8	489.2	494.2	498.1	500.1	503.1	507.0	512.0	514.9	517.9
172.5°	488.2	488.7	489.2	493.2	496.2	496.2	497.1	500.1	503.1	506.0	508.0
175°	489.2	489.2	489.2	492.2	494.2	493.2	493.2	494.2	497.1	497.1	499.1
177.5°	489.2	489.2	489.2	491.2	492.2	490.2	490.2	491.2	492.2	493.2	493.2
180°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

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°	20.8	21.7	21.7	21.7	22.7	22.7	22.7	21.7	21.7	21.7	20.8
92.5°	105.2	95.9	80.1	77.1	75.1	73.1	75.1	77.1	80.1	95.9	105.2
95°	397.3	355.8	285.6	256.0	248.1	232.3	248.1	256.0	285.6	355.8	397.3
97.5°	717.5	658.2	598.9	547.5	520.9	509.0	520.9	547.5	598.9	658.2	717.5
100°	1014.0	962.7	894.5	823.3	786.7	770.9	786.7	823.3	894.5	962.7	1014.0
102.5°	1265.1	1234.5	1160.3	1114.9	1074.3	1063.5	1074.3	1114.9	1160.3	1234.5	1265.1
105°	1410.8	1405.4	1373.8	1341.2	1321.4	1309.6	1321.4	1341.2	1373.8	1405.4	1410.8
107.5°	1451.8	1473.6	1482.5	1477.6	1467.7	1457.8	1467.7	1477.6	1482.5	1473.6	1451.8
110°	1412.8	1454.9	1499.3	1518.1	1525.0	1525.0	1525.0	1518.1	1499.3	1454.9	1412.8

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1331.3	1382.7	1452.9	1488.5	1508.2	1517.1	1508.2	1488.5	1452.9	1382.7	1331.3
115°	1239.9	1293.8	1370.8	1418.3	1446.0	1458.8	1446.0	1418.3	1370.8	1293.8	1239.9
117.5°	1156.9	1207.8	1285.8	1335.3	1362.9	1370.8	1362.9	1335.3	1285.8	1207.8	1156.9
120°	1087.2	1130.7	1203.8	1251.3	1277.9	1285.8	1277.9	1251.3	1203.8	1130.7	1087.2
122.5°	1031.4	1071.4	1134.6	1177.1	1203.8	1210.7	1203.8	1177.1	1134.6	1071.4	1031.4
125°	986.4	1022.0	1077.3	1117.8	1139.6	1149.5	1139.6	1117.8	1077.3	1022.0	986.4
127.5°	947.8	981.4	1031.8	1068.4	1089.2	1093.1	1089.2	1068.4	1031.8	981.4	947.8
130°	908.8	940.9	990.3	1022.9	1042.7	1048.6	1042.7	1022.9	990.3	940.9	908.8
132.5°	866.8	897.4	946.8	979.5	997.2	1004.2	997.2	979.5	946.8	897.4	866.8
135°	826.8	854.9	898.4	931.0	948.8	954.7	948.8	931.0	898.4	854.9	826.8
137.5°	784.8	809.5	849.0	879.6	896.4	903.4	896.4	879.6	849.0	809.5	784.8
140°	746.2	767.0	803.5	829.2	844.1	849.0	844.1	829.2	803.5	767.0	746.2
142.5°	713.1	730.4	760.0	780.8	794.6	798.6	794.6	780.8	760.0	730.4	713.1
145°	684.4	697.8	721.5	738.3	749.2	753.1	749.2	738.3	721.5	697.8	684.4
147.5°	659.7	670.1	689.9	703.7	710.6	712.6	710.6	703.7	689.9	670.1	659.7
150°	639.5	648.4	663.2	675.0	679.0	680.0	679.0	675.0	663.2	648.4	639.5
152.5°	622.2	628.6	640.5	649.3	653.3	654.3	653.3	649.3	640.5	628.6	622.2
155°	605.3	610.8	620.7	627.6	630.6	631.6	630.6	627.6	620.7	610.8	605.3
157.5°	589.6	594.0	601.9	607.8	610.8	610.8	610.8	607.8	601.9	594.0	589.6
160°	573.8	577.2	584.1	589.1	591.0	590.0	591.0	589.1	584.1	577.2	573.8
162.5°	559.4	562.4	567.3	571.3	571.3	571.3	571.3	571.3	567.3	562.4	559.4
165°	545.0	547.5	551.5	553.5	553.5	553.5	553.5	553.5	551.5	547.5	545.0
167.5°	531.8	533.7	535.7	537.7	536.7	536.7	536.7	537.7	535.7	533.7	531.8
170°	518.9	519.9	521.8	522.8	522.8	521.8	522.8	522.8	521.8	519.9	518.9
172.5°	508.5	509.0	509.0	511.0	509.0	508.0	509.0	511.0	509.0	509.0	508.5
175°	499.1	499.1	499.1	500.1	498.1	497.1	498.1	500.1	499.1	499.1	499.1
177.5°	493.2	493.2	492.2	493.2	490.2	490.2	490.2	493.2	492.2	493.2	493.2
180°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2

TEST NUMBER: P1027981

CATALOG NUMBER: S125DIP-B610D1090UB30-4F0-XX-W2A-A4

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°	19.8	18.8	17.8	16.8	15.8	13.8	12.8	10.9	9.9	8.9	7.9
92.5°	114.6	154.2	214.5	318.2	394.4	401.3	278.7	166.0	98.8	81.0	63.3
95°	438.8	560.4	710.6	856.9	875.7	714.6	441.8	224.4	118.6	96.4	74.1
97.5°	776.8	899.4	1019.0	1070.4	945.9	655.3	360.7	193.7	120.6	104.3	88.0
100°	1065.4	1167.2	1215.7	1139.6	892.5	569.3	320.2	191.7	134.4	119.6	104.8
102.5°	1295.7	1331.3	1281.9	1098.1	798.6	504.1	303.4	200.6	151.2	136.9	122.6
105°	1416.3	1372.8	1237.4	1000.2	716.6	466.5	301.4	213.5	170.0	156.2	142.3
107.5°	1430.1	1325.4	1146.5	907.3	655.3	446.7	308.4	231.3	188.8	176.4	164.1
110°	1370.8	1231.5	1043.7	830.2	614.8	438.8	319.2	251.0	210.5	197.6	184.8

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1279.9	1138.6	962.7	772.9	591.0	438.8	333.1	269.8	231.3	219.0	206.6
115°	1186.0	1050.6	897.4	734.3	575.2	441.8	346.9	289.6	253.0	240.6	228.3
117.5°	1106.0	987.4	852.0	708.6	566.3	446.7	362.7	309.4	274.8	262.9	251.0
120°	1043.7	935.0	816.4	687.9	560.4	454.6	378.5	331.1	296.5	284.2	271.8
122.5°	991.3	897.4	789.7	670.1	555.5	461.6	396.3	351.9	317.3	305.0	292.6
125°	950.8	864.8	764.0	654.3	551.5	469.5	412.1	369.6	337.0	324.2	311.3
127.5°	914.2	833.2	737.3	639.5	549.5	478.4	427.0	387.4	355.8	343.0	330.1
130°	876.7	799.6	712.6	624.6	547.5	486.3	441.8	404.2	373.6	360.8	347.9
132.5°	836.1	767.9	687.9	612.8	547.5	495.2	454.6	420.0	389.4	376.5	363.7
135°	798.6	735.3	667.1	603.9	547.5	503.1	466.5	433.9	403.2	389.9	376.6
137.5°	760.0	705.7	648.4	595.0	548.5	511.0	475.4	443.8	416.1	402.2	388.4
140°	725.5	680.0	633.5	589.1	549.5	515.9	484.3	454.6	426.0	412.6	399.3
142.5°	695.8	658.2	620.7	584.1	550.5	518.9	489.2	461.6	434.9	422.6	410.2
145°	671.1	640.5	609.8	579.2	549.5	520.9	494.2	469.5	443.8	432.4	421.0
147.5°	649.3	624.6	598.9	574.2	547.5	521.8	497.1	474.4	451.7	441.3	430.9
150°	630.6	611.8	590.0	568.3	544.6	521.8	500.1	479.4	457.6	449.2	440.8
152.5°	615.7	598.9	580.2	561.4	540.6	520.9	502.1	484.3	464.5	457.1	449.7
155°	599.9	586.1	570.3	553.5	535.7	518.9	503.1	487.3	470.5	463.6	456.6
157.5°	585.1	574.2	560.4	546.6	530.7	516.9	504.1	490.2	475.4	470.0	464.5
160°	570.3	560.4	550.5	537.7	525.8	513.9	504.1	492.2	479.4	475.0	470.5
162.5°	556.4	548.5	539.6	529.8	519.9	511.0	503.1	494.2	483.3	479.8	476.4
165°	542.6	536.7	529.8	521.8	513.9	508.0	502.1	494.2	486.3	483.3	480.3
167.5°	529.8	524.8	519.9	513.9	508.0	503.1	500.1	494.2	487.3	485.3	483.3
170°	517.9	514.9	512.0	507.0	503.1	500.1	498.1	494.2	489.2	487.8	486.3
172.5°	508.0	506.0	503.1	500.1	497.1	496.2	496.2	493.2	489.2	488.7	488.2
175°	499.1	497.1	497.1	494.2	493.2	493.2	494.2	492.2	489.2	489.2	489.2
177.5°	493.2	493.2	492.2	491.2	490.2	490.2	492.2	491.2	489.2	489.2	489.2
180°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2

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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°	5.9	4.0	2.0	1.0
92.5°	42.5	27.7	17.8	14.8
95°	52.4	41.5	33.6	32.6
97.5°	68.2	57.3	51.4	50.4
100°	86.0	75.1	71.2	69.2
102.5°	105.8	93.9	90.9	89.9
105°	126.5	116.6	111.7	111.7
107.5°	147.3	139.4	134.4	132.4
110°	170.0	161.1	157.1	155.2

TEST NUMBER: P1027981

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	191.7	182.8	179.9	177.9
115°	213.5	204.6	201.6	199.6
117.5°	234.2	225.3	222.4	219.4
120°	255.0	246.1	242.1	239.2
122.5°	273.8	264.9	261.9	259.9
125°	292.6	283.7	278.7	276.7
127.5°	310.3	299.5	293.5	290.6
130°	327.1	314.3	306.4	303.4
132.5°	342.0	327.1	317.3	313.3
135°	355.8	340.0	328.1	324.2
137.5°	367.7	351.9	341.0	338.0
140°	380.5	364.7	352.8	349.9
142.5°	392.4	376.6	365.7	363.7
145°	403.2	389.4	379.5	377.6
147.5°	415.1	402.3	393.4	392.4
150°	427.0	414.1	407.2	405.2
152.5°	436.9	426.0	420.0	419.1
155°	446.7	436.9	430.9	430.9
157.5°	455.6	446.7	441.8	441.8
160°	462.5	455.6	451.7	452.7
162.5°	470.5	464.5	460.6	461.6
165°	476.4	471.4	468.5	470.5
167.5°	480.3	477.4	475.4	476.4
170°	484.3	482.3	481.3	482.3
172.5°	487.3	485.3	484.3	486.3
175°	489.2	488.2	487.3	489.2
177.5°	490.2	489.2	489.2	491.2
180°	490.2	490.2	490.2	490.2

(END OF REPORT)