

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: P1009158

Luminaire Tested: S122DIP-B485D725UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1009158
REPORT IS A COMBINATION OF REPORTS P984351 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B485D725UB50-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

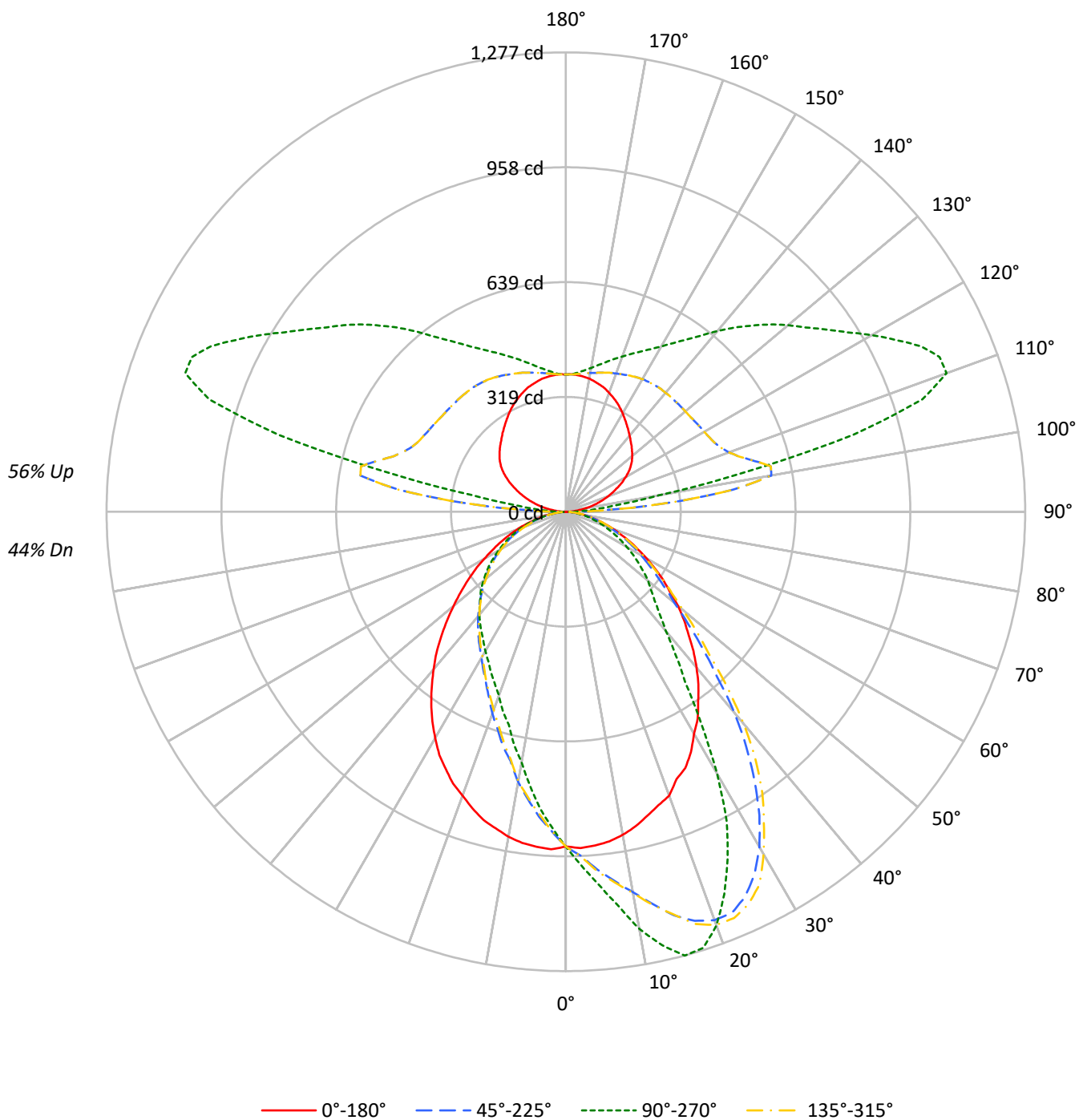
Lumens per Lamp: N/A
Luminaire Lumens: 4714.0 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50
1	97	93	89	86	88	85	82	79	71	68	66	57	56	54	45	44	43
2	88	81	76	71	81	75	70	65	62	59	56	51	48	46	40	38	37
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32
4	74	64	56	50	68	59	52	47	49	44	41	41	37	34	32	30	28
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	29	27	25
6	63	51	43	38	58	47	41	36	40	35	31	33	29	26	27	24	22
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20
8	54	42	35	30	50	39	32	28	33	28	24	28	24	21	23	20	18
9	50	39	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14729	14729	14729	14729
5°	14764	15704	14821	12495
10°	14593	17145	14684	10302
15°	14239	18083	14438	8678
20°	14017	16980	14017	7542
25°	13570	14587	13632	6745
30°	12836	11467	13081	6109
35°	12185	7929	12388	5590
40°	11435	5986	11567	5176
45°	10514	4919	10684	4727
50°	9716	4319	9733	4329
55°	8804	3679	8863	3893
60°	7835	3074	7944	3398
65°	6968	2499	7092	2902
70°	6102	1962	6258	2340
75°	5119	1424	5320	1698
80°	4000	902	4279	1007
85°	2627	454	2825	336

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	1.9
10°-20°	258.0	5.5
20°-30°	374.4	7.9
30°-40°	394.7	8.4
40°-50°	349.2	7.4
50°-60°	278.9	5.9
60°-70°	189.4	4.0
70°-80°	96.9	2.1
80°-90°	25.4	0.5
90°-100°	148.8	3.2
100°-110°	524.1	11.1
110°-120°	550.4	11.7
120°-130°	452.8	9.6
130°-140°	363.8	7.7
140°-150°	274.8	5.8
150°-160°	193.2	4.1
160°-170°	113.7	2.4
170°-180°	37.0	0.8
0°-30°	721.0	15.3
0°-40°	1115.7	23.7
0°-60°	1743.8	37.0
0°-90°	2055.4	43.6
90°-120°	1223.3	26.0
90°-150°	2314.7	49.1
90°-180°	2659.0	56.4
0°-180°	4714.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	931	1039	935	827	931	88
15°	875	1277	887	613	875	247
25°	786	1064	790	492	786	359
35°	642	579	652	408	642	401
45°	481	349	489	335	481	373
55°	330	245	333	260	330	295
65°	196	151	200	175	196	195
75°	92	74	95	89	92	98
85°	19	19	20	14	19	22
90°	1	24	1	24	1	3
95°	26	84	26	84	26	27
105°	90	827	90	827	90	95
115°	158	1089	158	1089	158	157
125°	220	883	220	883	220	196
135°	258	732	258	732	258	200
145°	295	584	295	584	295	185
155°	336	491	336	491	336	154
165°	366	431	366	431	366	103
175°	381	388	381	388	381	36
180°	382	382	382	382	382	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	935.5	937.7	941.2	942.0	949.1	954.8	961.3	961.3	963.4	962.7	957.0
5°	931.2	937.7	947.0	954.8	967.7	973.4	982.0	988.4	994.2	998.5	997.7
7.5°	924.1	935.5	949.1	964.1	981.3	991.3	1003.5	1014.9	1022.8	1029.9	1034.9
10°	911.9	931.2	949.8	969.9	992.0	1005.6	1019.9	1034.9	1047.1	1060.7	1073.6
12.5°	895.5	923.4	946.3	972.7	999.9	1014.9	1037.8	1049.2	1072.8	1107.2	1116.5
15°	874.7	912.6	934.1	967.7	1003.5	1015.6	1047.1	1065.7	1114.3	1135.8	1161.5
17.5°	855.4	897.6	926.2	964.8	999.9	1023.5	1054.3	1092.2	1132.9	1163.7	1192.3
20°	839.7	880.4	914.8	957.7	1002.0	1032.1	1064.3	1110.0	1154.4	1185.9	1208.0
22.5°	803.9	856.1	896.2	944.1	997.7	1039.2	1070.0	1120.1	1168.0	1187.3	1206.6
25°	786.0	831.1	877.6	931.9	994.9	1044.2	1070.7	1126.5	1168.7	1175.8	1180.1
27.5°	753.1	803.9	858.3	920.5	994.2	1035.7	1069.3	1120.1	1153.7	1148.7	1135.8
30°	712.4	774.6	834.7	901.9	984.2	1029.2	1060.7	1107.2	1124.3	1098.6	1075.7
32.5°	682.3	741.0	807.5	885.5	972.7	1015.6	1046.4	1082.9	1086.4	1039.9	1001.3
35°	641.6	706.6	781.7	864.0	953.4	992.0	1020.6	1042.8	1025.6	960.6	914.8
37.5°	605.1	669.5	749.6	833.2	926.9	964.8	987.7	991.3	949.1	891.9	824.7
40°	565.0	631.5	715.2	803.2	897.6	930.5	944.8	934.1	873.3	806.8	728.8
42.5°	525.0	590.8	680.9	771.0	860.4	888.3	894.0	864.7	790.3	712.4	622.3
45°	481.4	550.0	640.1	731.0	817.5	833.2	834.0	791.8	703.8	622.3	538.6
47.5°	445.6	509.2	598.6	689.5	762.4	773.2	768.9	720.2	624.4	532.8	459.9
50°	406.3	467.0	555.7	645.1	707.4	710.2	699.5	630.1	536.4	452.7	394.8
52.5°	364.1	425.6	507.1	592.9	648.7	644.4	623.7	549.3	461.3	391.9	347.6
55°	330.4	384.8	461.3	545.0	584.3	572.2	549.3	473.5	404.1	345.5	306.8
57.5°	293.2	341.2	416.3	489.2	512.1	500.7	477.8	407.0	342.6	298.3	272.5
60°	258.2	301.8	367.6	428.4	446.3	434.1	407.7	344.0	297.5	260.3	241.0
62.5°	226.0	263.9	319.0	374.8	381.9	369.8	346.9	295.4	255.3	226.0	211.7
65°	196.0	231.7	276.1	318.3	324.7	311.8	288.2	251.0	217.4	198.8	185.2
67.5°	166.6	195.3	234.6	265.4	268.9	256.8	237.5	207.4	186.7	166.6	156.6
70°	140.9	162.4	193.1	218.1	219.6	208.1	198.1	170.9	155.2	140.9	133.0
72.5°	115.9	130.9	154.5	173.1	173.8	166.6	157.4	140.2	126.6	116.6	108.7
75°	91.5	104.4	118.7	135.2	134.5	128.7	121.6	110.9	99.4	93.0	89.4
77.5°	70.1	78.0	89.4	100.1	100.1	97.3	93.0	85.1	78.0	71.5	67.9
80°	50.1	55.1	64.4	67.9	69.4	68.7	65.1	59.4	56.5	51.5	50.1
82.5°	32.2	35.8	40.1	43.6	45.8	44.3	43.6	40.8	36.5	35.0	33.6
85°	18.6	20.0	22.2	24.3	25.0	24.3	25.7	23.6	21.5	21.5	20.7
87.5°	7.9	8.6	10.0	10.0	10.7	10.7	10.0	10.7	10.7	10.0	9.3
90°	0.7	2.9	5.9	7.3	8.8	9.9	11.0	14.7	19.8	24.2	25.0
92.5°	11.0	15.4	21.3	25.0	30.8	34.8	38.9	58.7	86.6	111.6	113.1
95°	25.7	28.6	36.0	42.6	54.3	63.1	71.9	105.7	169.6	254.7	287.8
97.5°	38.2	42.6	50.7	60.2	73.4	83.3	93.2	136.6	225.4	362.7	469.1
100°	56.5	58.7	65.3	77.1	91.8	102.0	112.3	151.2	240.8	399.4	580.0
102.5°	73.4	74.9	81.5	93.2	108.7	119.0	129.2	164.4	241.5	385.4	583.6
105°	89.6	92.5	97.6	108.7	124.8	135.1	145.4	179.9	245.2	366.3	544.0
107.5°	107.2	109.4	114.5	124.8	141.0	151.2	161.5	195.3	253.3	356.1	507.3
110°	124.8	127.7	132.1	141.7	157.1	167.8	178.4	210.7	263.6	353.1	482.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	141.0	143.9	149.0	157.8	172.5	183.5	194.5	225.4	274.6	353.9	466.2
115°	157.8	161.5	165.9	174.7	189.4	199.3	209.2	240.8	285.6	356.8	455.2
117.5°	175.5	178.4	182.8	190.9	204.8	215.1	225.4	254.7	297.3	361.2	449.3
120°	191.6	194.5	199.0	205.6	220.2	230.5	240.8	269.4	309.1	365.6	444.2
122.5°	207.0	209.2	213.6	221.0	235.7	246.3	256.9	283.4	319.4	370.7	441.2
125°	220.2	222.4	226.9	235.7	250.3	260.6	270.9	297.3	330.4	375.9	437.5
127.5°	231.3	234.2	240.1	249.6	263.6	274.2	284.8	310.5	340.6	381.0	435.3
130°	240.8	243.7	251.1	261.4	276.0	286.3	296.6	322.3	350.2	386.9	433.9
132.5°	249.6	253.3	261.4	272.4	287.8	298.0	308.3	332.6	359.7	392.8	433.1
135°	258.4	261.4	270.2	281.2	298.1	308.4	318.6	342.1	367.8	397.2	432.4
137.5°	266.5	270.2	279.0	290.7	307.6	317.2	326.7	350.2	374.4	401.6	432.4
140°	276.0	279.0	287.8	299.5	315.7	325.2	334.8	356.8	379.6	404.5	431.7
142.5°	285.6	287.8	295.9	307.6	323.0	331.8	340.6	361.9	384.0	406.7	431.7
145°	295.1	298.1	305.4	316.4	331.1	339.2	347.2	367.1	387.6	408.2	430.2
147.5°	305.4	307.6	314.9	325.2	337.7	345.0	352.4	371.5	389.8	408.9	428.0
150°	315.7	317.9	323.8	333.3	344.3	350.9	357.5	374.4	391.3	408.2	425.8
152.5°	326.0	326.7	332.6	340.6	350.9	356.8	362.7	377.3	392.0	406.7	422.1
155°	335.5	336.2	340.6	348.7	356.8	362.3	367.8	380.3	392.8	405.2	417.7
157.5°	343.6	344.3	348.0	355.3	361.9	366.7	371.5	382.5	392.8	402.3	413.3
160°	351.7	352.4	355.3	361.2	367.1	371.1	375.1	384.0	392.8	400.1	408.9
162.5°	359.7	359.0	361.9	366.3	371.5	374.4	377.3	384.7	392.0	397.9	405.2
165°	365.6	364.9	366.3	370.7	374.4	376.6	378.8	385.4	390.6	395.0	400.1
167.5°	370.7	370.0	371.5	374.4	377.3	378.8	380.3	385.4	389.8	392.0	395.7
170°	375.9	374.4	375.1	377.3	378.8	379.9	381.0	384.7	388.4	389.8	392.0
172.5°	378.8	378.1	377.3	379.6	380.3	381.0	381.8	384.0	386.2	386.9	387.6
175°	381.0	380.3	379.6	381.0	381.0	381.4	381.8	383.2	384.7	384.0	384.7
177.5°	382.5	381.0	380.3	381.8	381.8	381.8	381.8	382.5	384.0	382.5	381.8
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	967.0	967.7	969.1	976.3	979.9	980.6	977.7	984.2	986.3	984.2	982.7
5°	1012.8	1017.1	1025.6	1034.9	1034.2	1034.9	1039.2	1043.5	1045.0	1039.2	1041.4
7.5°	1052.8	1061.4	1070.7	1085.0	1085.0	1092.2	1095.0	1098.6	1107.2	1102.9	1101.5
10°	1098.6	1110.0	1127.2	1150.1	1150.8	1158.0	1165.1	1176.6	1180.1	1177.3	1178.7
12.5°	1155.8	1178.0	1179.4	1204.4	1215.9	1217.3	1228.8	1226.6	1233.8	1233.8	1245.9
15°	1180.8	1215.2	1234.5	1258.8	1266.0	1257.4	1266.7	1276.7	1277.4	1277.4	1276.7
17.5°	1225.9	1239.5	1258.8	1271.7	1274.5	1274.5	1275.3	1279.5	1276.7	1271.0	1275.3
20°	1235.2	1240.9	1248.1	1246.6	1248.1	1240.9	1233.8	1226.6	1227.3	1223.8	1234.5
22.5°	1218.0	1216.6	1200.2	1189.4	1189.4	1175.1	1161.5	1155.1	1148.7	1150.8	1154.4
25°	1175.1	1153.0	1132.9	1117.2	1113.6	1090.7	1072.1	1066.4	1055.7	1064.3	1065.7
27.5°	1106.5	1081.4	1049.2	1035.7	1017.1	1007.8	994.9	977.7	955.5	968.4	966.3
30°	1032.8	995.6	969.1	936.2	906.9	904.8	880.4	851.8	840.4	840.4	846.8
32.5°	950.5	901.2	862.6	816.1	787.5	775.3	746.0	717.4	723.8	702.4	710.2
35°	854.7	789.6	741.0	695.9	674.5	660.2	622.3	606.5	589.4	579.3	597.9
37.5°	763.2	688.1	625.8	576.5	568.6	542.9	517.1	507.1	497.1	501.4	500.7
40°	651.6	585.1	529.3	490.6	477.1	464.9	447.7	435.6	429.1	432.7	433.4
42.5°	550.7	494.9	453.5	426.3	414.8	406.3	397.7	387.7	385.5	385.5	388.4
45°	472.8	427.0	399.1	376.9	370.5	364.1	357.6	353.3	351.9	349.0	351.2
47.5°	410.5	374.1	356.9	340.4	333.3	331.9	326.1	324.0	321.1	320.4	321.1
50°	358.3	335.4	319.7	310.4	305.4	303.3	300.4	296.1	294.7	298.3	296.8
52.5°	321.9	300.4	291.8	282.5	279.7	276.8	272.5	273.2	272.5	271.1	271.1
55°	285.4	271.8	263.2	256.1	255.3	252.5	248.9	247.5	246.8	245.3	247.5
57.5°	256.1	245.3	237.5	231.0	228.2	228.2	224.6	221.7	221.7	221.0	221.7
60°	226.7	216.0	211.0	204.6	202.4	201.7	199.5	198.1	196.0	196.0	196.0
62.5°	199.5	191.0	185.2	179.5	180.2	176.7	173.8	172.4	172.4	173.1	173.1
65°	173.8	168.1	160.9	155.9	154.5	153.8	152.3	151.6	149.5	150.9	150.9
67.5°	150.2	142.3	138.0	135.9	133.7	133.0	131.6	130.2	129.5	128.7	130.2
70°	126.6	120.2	116.6	115.2	113.0	112.3	111.6	109.4	110.1	110.9	111.6
72.5°	105.1	99.4	98.7	94.4	94.4	94.4	91.5	93.0	92.3	90.8	92.3
75°	83.0	80.1	78.7	76.5	77.2	76.5	75.8	73.7	73.7	74.4	75.1
77.5°	65.8	62.9	62.2	60.1	58.6	60.1	58.6	57.9	57.9	58.6	58.6
80°	48.6	47.2	45.1	45.1	45.1	44.3	44.3	44.3	43.6	42.9	43.6
82.5°	32.2	32.2	31.5	30.8	31.5	30.0	30.8	30.8	30.8	30.8	30.8
85°	20.7	20.0	20.0	19.3	19.3	19.3	20.0	18.6	18.6	19.3	19.3
87.5°	9.3	9.3	9.3	10.0	9.3	9.3	9.3	10.0	9.3	9.3	9.3
90°	24.2	23.5	22.0	23.5	23.8	24.2	24.2	24.2	24.2	24.2	24.2
92.5°	94.7	74.1	63.1	55.1	52.2	49.2	48.5	45.5	46.3	44.8	46.3
95°	251.8	192.3	147.6	116.7	108.6	100.6	91.0	85.2	83.0	83.7	83.0
97.5°	472.8	393.5	314.2	240.1	218.0	196.0	167.4	152.7	144.6	140.2	144.6
100°	685.7	670.3	579.2	478.7	434.2	389.8	328.9	297.3	276.0	262.8	276.0
102.5°	765.0	851.6	848.7	781.9	734.2	686.4	618.9	559.4	531.5	512.4	531.5
105°	739.3	892.0	974.9	984.5	972.4	960.3	914.7	869.2	837.7	827.4	837.7
107.5°	685.0	848.7	972.0	1044.0	1058.6	1073.3	1072.6	1066.0	1056.4	1039.5	1056.4
110°	634.3	789.2	920.6	1014.6	1044.7	1074.8	1106.4	1120.3	1126.9	1126.2	1126.9

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	599.1	734.9	859.7	961.7	997.3	1032.9	1079.9	1105.6	1119.6	1124.7	1119.6
115°	571.2	692.3	805.4	901.5	939.3	977.1	1029.3	1063.0	1082.1	1088.7	1082.1
117.5°	552.1	657.1	758.4	847.9	883.9	919.9	973.5	1009.4	1029.3	1034.4	1029.3
120°	537.4	632.1	723.1	800.9	834.4	867.8	919.1	953.7	974.9	982.3	974.9
122.5°	524.9	612.3	693.8	766.4	795.8	825.2	870.0	903.7	922.1	928.0	922.1
125°	513.2	593.2	668.8	733.4	761.0	788.5	831.0	858.9	877.3	883.2	877.3
127.5°	502.2	574.1	643.8	705.5	731.2	756.9	794.3	820.8	836.9	841.3	836.9
130°	491.1	555.7	618.9	676.9	701.1	725.3	761.3	786.3	800.9	806.8	800.9
132.5°	482.3	538.1	595.4	647.5	669.9	692.3	727.5	752.5	765.7	770.8	765.7
135°	474.3	522.0	570.4	618.9	639.4	660.0	691.6	715.8	729.0	731.9	729.0
137.5°	468.4	508.8	550.6	590.3	608.6	627.0	657.1	678.3	690.1	694.5	690.1
140°	463.2	496.3	531.5	565.3	581.4	597.6	621.1	640.2	651.2	655.6	651.2
142.5°	458.1	486.0	514.6	542.5	555.4	568.2	590.3	607.1	616.7	616.7	616.7
145°	453.7	476.5	500.7	523.4	534.0	544.7	562.4	574.8	582.2	584.4	582.2
147.5°	449.3	469.1	488.9	507.3	515.4	523.4	538.9	549.1	554.3	555.7	554.3
150°	443.4	461.0	477.2	492.6	499.2	505.8	516.8	525.6	530.1	530.8	530.1
152.5°	438.3	453.0	467.6	480.1	485.6	491.1	499.2	506.6	509.5	509.5	509.5
155°	431.7	445.6	457.4	468.4	472.4	476.5	484.5	489.7	492.6	491.1	492.6
157.5°	425.8	436.8	447.1	456.6	459.9	463.2	469.1	473.5	475.0	475.0	475.0
160°	419.2	428.7	436.8	444.9	447.4	450.0	455.2	458.8	459.6	459.6	459.6
162.5°	413.3	420.7	427.3	433.9	435.7	437.5	442.7	444.9	445.6	444.9	445.6
165°	406.7	412.6	417.7	422.9	424.4	425.8	428.7	431.7	431.7	430.9	431.7
167.5°	400.1	404.5	408.9	412.6	414.0	415.5	417.0	418.5	418.5	417.7	418.5
170°	395.0	398.6	400.8	403.8	404.5	405.2	406.0	408.2	407.4	406.0	407.4
172.5°	389.8	392.0	393.5	395.7	396.0	396.4	397.2	397.9	397.2	396.4	397.2
175°	385.4	387.6	388.4	389.1	389.5	389.8	389.8	390.6	389.8	388.4	389.8
177.5°	382.5	384.0	384.0	384.7	384.7	384.7	384.7	384.7	384.0	382.5	384.0
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	986.3	981.3	977.0	977.7	981.3	978.4	971.3	962.0	958.4	954.1	958.4
5°	1045.7	1041.4	1032.8	1033.5	1031.4	1028.5	1017.1	1002.8	1002.8	991.3	989.9
7.5°	1104.3	1097.9	1092.2	1090.7	1082.9	1077.1	1067.1	1047.1	1039.2	1025.6	1017.8
10°	1170.1	1165.1	1158.7	1150.8	1146.5	1136.5	1120.1	1090.7	1076.4	1057.8	1044.2
12.5°	1236.6	1235.9	1221.6	1205.9	1205.2	1189.4	1178.0	1138.6	1119.3	1094.3	1062.1
15°	1278.8	1275.3	1267.4	1259.5	1261.7	1244.5	1218.8	1172.3	1159.4	1129.3	1095.0
17.5°	1278.1	1278.1	1276.0	1274.5	1272.4	1267.4	1253.1	1222.3	1201.6	1163.7	1131.5
20°	1237.3	1246.6	1248.8	1248.1	1255.2	1258.8	1258.1	1238.8	1222.3	1188.7	1155.8
22.5°	1155.8	1177.3	1186.6	1192.3	1207.3	1215.2	1233.8	1226.6	1222.3	1197.3	1169.4
25°	1080.0	1087.2	1115.0	1116.5	1137.2	1156.5	1175.1	1187.3	1203.0	1193.7	1170.1
27.5°	982.0	998.5	1018.5	1033.5	1037.8	1077.1	1107.9	1130.8	1166.5	1169.4	1161.5
30°	871.2	879.0	911.9	931.9	954.8	983.4	1027.8	1067.1	1099.3	1128.6	1138.6
32.5°	736.0	768.2	787.5	811.8	831.8	882.6	937.0	987.7	1024.9	1074.3	1095.7
35°	612.2	637.3	670.2	680.2	716.7	759.6	830.4	895.5	952.0	1002.0	1045.7
37.5°	510.0	530.0	565.0	580.8	602.2	657.3	716.7	797.5	865.4	926.9	981.3
40°	439.9	454.9	481.4	486.4	504.2	554.3	602.2	678.0	768.2	851.1	910.5
42.5°	391.9	399.1	417.0	423.4	434.9	468.5	511.4	582.9	666.6	752.4	836.1
45°	357.6	362.6	373.4	379.1	393.4	408.4	443.4	500.7	566.5	653.0	743.1
47.5°	326.9	333.3	337.6	341.2	349.0	365.5	388.4	430.6	493.5	572.9	660.2
50°	301.1	303.3	311.1	311.8	316.8	327.6	349.0	374.8	424.8	489.2	573.6
52.5°	275.4	277.5	282.5	287.5	289.7	298.3	312.6	334.0	371.2	422.0	497.1
55°	249.6	252.5	257.5	261.1	263.2	270.4	278.9	299.7	329.0	364.8	426.3
57.5°	223.9	230.3	231.7	233.9	237.5	245.3	253.2	265.4	288.2	321.1	366.2
60°	199.5	201.7	206.7	208.8	212.4	216.7	226.7	236.0	252.5	278.2	319.0
62.5°	174.5	179.5	181.7	183.8	186.7	191.7	198.1	208.1	222.4	243.2	275.4
65°	153.1	153.8	158.1	160.9	163.8	167.4	173.8	183.1	191.7	211.0	234.6
67.5°	132.3	133.7	135.2	138.0	141.6	145.2	150.9	155.9	166.6	179.5	198.1
70°	112.3	112.3	115.9	118.0	117.3	121.6	125.9	131.6	139.5	151.6	166.6
72.5°	94.4	93.7	96.6	97.3	98.7	101.6	104.4	110.1	114.4	123.7	135.2
75°	75.1	76.5	78.0	78.0	80.1	82.3	85.1	88.0	93.0	98.7	107.3
77.5°	59.4	59.4	60.8	61.5	63.7	62.9	65.8	68.7	72.2	77.2	83.7
80°	43.6	45.1	45.1	45.1	45.8	46.5	49.4	51.5	53.6	57.2	60.1
82.5°	30.8	30.8	32.2	32.2	32.2	33.6	33.6	34.3	35.8	37.9	40.1
85°	19.3	19.3	19.3	20.0	19.3	20.0	21.5	20.7	21.5	22.9	22.9
87.5°	9.3	9.3	9.3	9.3	9.3	10.0	9.3	10.0	10.7	10.7	10.7
90°	24.2	24.2	24.2	23.8	23.5	22.0	23.5	24.2	25.0	24.2	19.8
92.5°	45.5	48.5	49.2	52.2	55.1	63.1	74.1	94.7	113.1	111.6	86.6
95°	85.2	91.0	100.6	108.6	116.7	147.6	192.3	251.8	287.8	254.7	169.6
97.5°	152.7	167.4	196.0	218.0	240.1	314.2	393.5	472.8	469.1	362.7	225.4
100°	297.3	328.9	389.8	434.2	478.7	579.2	670.3	685.7	580.0	399.4	240.8
102.5°	559.4	618.9	686.4	734.2	781.9	848.7	851.6	765.0	583.6	385.4	241.5
105°	869.2	914.7	960.3	972.4	984.5	974.9	892.0	739.3	544.0	366.3	245.2
107.5°	1066.0	1072.6	1073.3	1058.6	1044.0	972.0	848.7	685.0	507.3	356.1	253.3
110°	1120.3	1106.4	1074.8	1044.7	1014.6	920.6	789.2	634.3	482.3	353.1	263.6

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1105.6	1079.9	1032.9	997.3	961.7	859.7	734.9	599.1	466.2	353.9	274.6
115°	1063.0	1029.3	977.1	939.3	901.5	805.4	692.3	571.2	455.2	356.8	285.6
117.5°	1009.4	973.5	919.9	883.9	847.9	758.4	657.1	552.1	449.3	361.2	297.3
120°	953.7	919.1	867.8	834.4	800.9	723.1	632.1	537.4	444.2	365.6	309.1
122.5°	903.7	870.0	825.2	795.8	766.4	693.8	612.3	524.9	441.2	370.7	319.4
125°	858.9	831.0	788.5	761.0	733.4	668.8	593.2	513.2	437.5	375.9	330.4
127.5°	820.8	794.3	756.9	731.2	705.5	643.8	574.1	502.2	435.3	381.0	340.6
130°	786.3	761.3	725.3	701.1	676.9	618.9	555.7	491.1	433.9	386.9	350.2
132.5°	752.5	727.5	692.3	669.9	647.5	595.4	538.1	482.3	433.1	392.8	359.7
135°	715.8	691.6	660.0	639.4	618.9	570.4	522.0	474.3	432.4	397.2	367.8
137.5°	678.3	657.1	627.0	608.6	590.3	550.6	508.8	468.4	432.4	401.6	374.4
140°	640.2	621.1	597.6	581.4	565.3	531.5	496.3	463.2	431.7	404.5	379.6
142.5°	607.1	590.3	568.2	555.4	542.5	514.6	486.0	458.1	431.7	406.7	384.0
145°	574.8	562.4	544.7	534.0	523.4	500.7	476.5	453.7	430.2	408.2	387.6
147.5°	549.1	538.9	523.4	515.4	507.3	488.9	469.1	449.3	428.0	408.9	389.8
150°	525.6	516.8	505.8	499.2	492.6	477.2	461.0	443.4	425.8	408.2	391.3
152.5°	506.6	499.2	491.1	485.6	480.1	467.6	453.0	438.3	422.1	406.7	392.0
155°	489.7	484.5	476.5	472.4	468.4	457.4	445.6	431.7	417.7	405.2	392.8
157.5°	473.5	469.1	463.2	459.9	456.6	447.1	436.8	425.8	413.3	402.3	392.8
160°	458.8	455.2	450.0	447.4	444.9	436.8	428.7	419.2	408.9	400.1	392.8
162.5°	444.9	442.7	437.5	435.7	433.9	427.3	420.7	413.3	405.2	397.9	392.0
165°	431.7	428.7	425.8	424.4	422.9	417.7	412.6	406.7	400.1	395.0	390.6
167.5°	418.5	417.0	415.5	414.0	412.6	408.9	404.5	400.1	395.7	392.0	389.8
170°	408.2	406.0	405.2	404.5	403.8	400.8	398.6	395.0	392.0	389.8	388.4
172.5°	397.9	397.2	396.4	396.0	395.7	393.5	392.0	389.8	387.6	386.9	386.2
175°	390.6	389.8	389.8	389.5	389.1	388.4	387.6	385.4	384.7	384.0	384.7
177.5°	384.7	384.7	384.7	384.7	384.7	384.0	384.0	382.5	381.8	382.5	384.0
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	954.8	951.3	949.1	950.5	946.3	935.5	935.5	939.1	934.8	930.5	924.1
5°	981.3	974.1	969.9	969.1	959.1	942.0	938.4	934.8	925.5	915.5	904.8
7.5°	1007.0	994.2	987.0	982.0	967.7	945.5	936.2	928.4	913.3	898.3	884.7
10°	1028.5	1009.9	1001.3	993.5	974.9	947.0	931.9	917.6	898.3	879.0	861.9
12.5°	1045.7	1024.2	1013.5	1002.0	979.2	942.7	924.1	901.2	881.9	856.1	839.0
15°	1074.3	1029.9	1019.9	1009.2	985.6	935.5	912.6	886.9	860.4	826.1	807.5
17.5°	1097.2	1037.8	1037.1	1014.2	983.4	932.7	897.6	864.0	835.4	801.1	771.7
20°	1110.8	1050.0	1038.5	1014.9	976.3	913.3	876.9	839.7	808.9	767.4	738.1
22.5°	1122.2	1067.1	1037.1	1008.5	961.3	906.9	853.3	818.2	776.0	731.0	703.1
25°	1126.5	1070.7	1039.2	1006.3	950.5	888.3	827.5	789.6	742.4	701.6	663.7
27.5°	1127.2	1070.0	1031.4	997.0	935.5	864.0	801.8	761.7	709.5	662.3	624.4
30°	1120.1	1062.1	1027.1	989.9	921.2	841.8	770.3	726.0	670.2	623.0	583.6
32.5°	1098.6	1046.4	1017.8	977.0	902.6	811.1	740.3	690.9	632.3	585.8	547.9
35°	1062.8	1027.1	995.6	957.7	878.3	782.5	710.2	652.3	592.9	548.6	512.8
37.5°	1018.5	999.2	969.9	932.7	850.4	756.7	676.6	612.2	552.9	510.0	474.9
40°	958.4	963.4	934.8	901.2	817.5	721.7	633.0	571.5	515.7	475.6	441.3
42.5°	893.3	914.1	897.6	865.4	781.0	683.0	600.8	532.8	478.5	437.0	408.4
45°	823.2	859.0	849.0	825.4	743.1	642.3	555.0	489.2	441.3	401.2	376.2
47.5°	746.7	797.5	797.5	780.3	700.9	601.5	515.7	448.4	401.2	372.6	348.3
50°	668.7	726.0	735.3	723.8	653.7	555.0	467.8	407.0	366.2	338.3	320.4
52.5°	587.2	653.7	670.9	665.2	603.7	510.7	428.4	369.1	331.9	307.5	291.8
55°	509.2	586.5	605.1	607.2	550.0	462.0	384.8	332.6	296.8	280.4	266.8
57.5°	435.6	510.0	530.7	534.3	495.7	417.7	344.0	298.3	266.1	252.5	241.7
60°	372.6	434.9	462.0	469.9	436.3	366.2	306.1	261.8	237.5	224.6	214.6
62.5°	321.1	371.2	399.8	402.0	386.9	321.1	266.8	229.6	208.8	197.4	192.4
65°	271.1	316.1	333.3	341.9	329.7	278.2	230.3	199.5	183.1	173.1	168.1
67.5°	231.0	259.6	273.9	285.4	273.2	234.6	196.0	170.9	158.8	148.8	145.9
70°	189.5	213.1	223.9	235.3	224.6	195.3	167.4	144.5	133.7	125.9	122.3
72.5°	151.6	170.2	180.2	187.4	181.0	156.6	133.7	118.0	110.1	104.4	102.3
75°	120.2	133.0	138.8	143.8	140.9	122.3	108.0	95.1	88.0	83.0	81.5
77.5°	91.5	100.8	107.3	108.7	105.1	93.0	80.8	73.0	67.2	64.4	62.9
80°	65.1	70.8	74.4	76.5	73.0	67.9	59.4	53.6	48.6	45.1	44.3
82.5°	43.6	46.5	49.4	48.6	47.2	42.9	37.9	35.0	32.9	30.0	30.0
85°	25.0	25.7	27.2	27.9	27.2	24.3	21.5	20.0	18.6	16.5	16.5
87.5°	10.7	11.4	11.4	12.2	10.7	10.7	9.3	7.9	7.9	7.2	6.4
90°	14.7	11.0	9.9	8.8	7.3	5.9	2.9	0.7	2.9	5.9	7.3
92.5°	58.7	38.9	34.8	30.8	25.0	21.3	15.4	11.0	15.4	21.3	25.0
95°	105.7	71.9	63.1	54.3	42.6	36.0	28.6	25.7	28.6	36.0	42.6
97.5°	136.6	93.2	83.3	73.4	60.2	50.7	42.6	38.2	42.6	50.7	60.2
100°	151.2	112.3	102.0	91.8	77.1	65.3	58.7	56.5	58.7	65.3	77.1
102.5°	164.4	129.2	119.0	108.7	93.2	81.5	74.9	73.4	74.9	81.5	93.2
105°	179.9	145.4	135.1	124.8	108.7	97.6	92.5	89.6	92.5	97.6	108.7
107.5°	195.3	161.5	151.2	141.0	124.8	114.5	109.4	107.2	109.4	114.5	124.8
110°	210.7	178.4	167.8	157.1	141.7	132.1	127.7	124.8	127.7	132.1	141.7

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	225.4	194.5	183.5	172.5	157.8	149.0	143.9	141.0	143.9	149.0	157.8
115°	240.8	209.2	199.3	189.4	174.7	165.9	161.5	157.8	161.5	165.9	174.7
117.5°	254.7	225.4	215.1	204.8	190.9	182.8	178.4	175.5	178.4	182.8	190.9
120°	269.4	240.8	230.5	220.2	205.6	199.0	194.5	191.6	194.5	199.0	205.6
122.5°	283.4	256.9	246.3	235.7	221.0	213.6	209.2	207.0	209.2	213.6	221.0
125°	297.3	270.9	260.6	250.3	235.7	226.9	222.4	220.2	222.4	226.9	235.7
127.5°	310.5	284.8	274.2	263.6	249.6	240.1	234.2	231.3	234.2	240.1	249.6
130°	322.3	296.6	286.3	276.0	261.4	251.1	243.7	240.8	243.7	251.1	261.4
132.5°	332.6	308.3	298.0	287.8	272.4	261.4	253.3	249.6	253.3	261.4	272.4
135°	342.1	318.6	308.4	298.1	281.2	270.2	261.4	258.4	261.4	270.2	281.2
137.5°	350.2	326.7	317.2	307.6	290.7	279.0	270.2	266.5	270.2	279.0	290.7
140°	356.8	334.8	325.2	315.7	299.5	287.8	279.0	276.0	279.0	287.8	299.5
142.5°	361.9	340.6	331.8	323.0	307.6	295.9	287.8	285.6	287.8	295.9	307.6
145°	367.1	347.2	339.2	331.1	316.4	305.4	298.1	295.1	298.1	305.4	316.4
147.5°	371.5	352.4	345.0	337.7	325.2	314.9	307.6	305.4	307.6	314.9	325.2
150°	374.4	357.5	350.9	344.3	333.3	323.8	317.9	315.7	317.9	323.8	333.3
152.5°	377.3	362.7	356.8	350.9	340.6	332.6	326.7	326.0	326.7	332.6	340.6
155°	380.3	367.8	362.3	356.8	348.7	340.6	336.2	335.5	336.2	340.6	348.7
157.5°	382.5	371.5	366.7	361.9	355.3	348.0	344.3	343.6	344.3	348.0	355.3
160°	384.0	375.1	371.1	367.1	361.2	355.3	352.4	351.7	352.4	355.3	361.2
162.5°	384.7	377.3	374.4	371.5	366.3	361.9	359.0	359.7	359.0	361.9	366.3
165°	385.4	378.8	376.6	374.4	370.7	366.3	364.9	365.6	364.9	366.3	370.7
167.5°	385.4	380.3	378.8	377.3	374.4	371.5	370.0	370.7	370.0	371.5	374.4
170°	384.7	381.0	379.9	378.8	377.3	375.1	374.4	375.9	374.4	375.1	377.3
172.5°	384.0	381.8	381.0	380.3	379.6	377.3	378.1	378.8	378.1	377.3	379.6
175°	383.2	381.8	381.4	381.0	381.0	379.6	380.3	381.0	380.3	379.6	381.0
177.5°	382.5	381.8	381.8	381.8	381.8	380.3	381.0	382.5	381.0	380.3	381.8
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	920.5	924.1	923.4	916.2	908.3	901.9	889.7	891.2	886.9	887.6	891.9
5°	897.6	897.6	894.8	884.7	871.9	864.7	851.1	847.5	839.0	838.3	837.5
7.5°	873.3	869.7	866.1	851.8	836.1	824.7	806.1	801.8	793.2	787.5	784.6
10°	844.7	839.7	832.5	816.1	796.8	782.5	763.2	757.4	741.0	733.8	729.5
12.5°	813.2	810.4	798.9	785.3	753.9	738.1	710.2	715.9	699.5	685.2	683.0
15°	781.7	771.0	764.6	742.4	704.5	697.3	675.2	663.7	648.7	637.3	637.3
17.5°	751.0	734.5	720.2	696.6	668.7	648.7	632.3	626.5	607.9	596.5	594.4
20°	710.2	691.6	688.1	654.4	635.1	613.0	597.2	582.9	569.3	564.3	560.7
22.5°	671.6	650.1	644.4	615.8	596.5	574.3	558.6	548.6	538.6	535.0	528.6
25°	630.1	617.2	608.7	577.9	556.4	535.7	525.0	517.8	508.5	507.8	503.5
27.5°	590.1	577.9	569.3	540.0	524.3	505.0	496.4	488.5	483.5	481.4	479.2
30°	555.7	542.1	532.1	510.7	491.4	475.6	468.5	463.5	460.6	457.0	456.3
32.5°	517.8	510.0	496.4	479.9	464.9	449.9	445.6	442.0	437.7	436.3	435.6
35°	485.6	474.9	466.3	447.7	441.3	428.4	423.4	420.6	414.8	413.4	412.0
37.5°	454.2	444.2	434.9	423.4	411.3	404.1	401.2	397.0	394.1	394.8	393.4
40°	422.7	414.8	407.7	395.5	388.4	384.8	379.1	374.8	373.4	374.1	373.4
42.5°	391.9	384.8	380.5	371.2	364.1	360.5	356.9	352.6	354.8	354.8	356.9
45°	364.1	357.6	354.8	347.6	343.3	337.6	334.0	333.3	336.2	335.4	335.4
47.5°	335.4	333.3	329.7	323.3	317.6	314.0	313.3	313.3	316.1	317.6	316.8
50°	313.3	309.0	304.7	299.7	295.4	294.0	291.8	293.2	296.1	296.1	297.5
52.5°	285.4	282.5	281.1	276.8	273.9	273.9	273.9	274.6	276.8	278.9	278.2
55°	261.1	258.9	257.5	255.3	251.8	252.5	251.8	253.2	255.3	257.5	258.9
57.5°	235.3	234.6	233.2	229.6	229.6	228.9	231.0	231.7	235.3	236.7	238.9
60°	212.4	210.3	210.3	207.4	207.4	207.4	209.6	211.7	214.6	215.3	216.7
62.5°	188.1	188.1	187.4	185.2	185.2	187.4	188.1	191.0	192.4	192.4	194.5
65°	165.2	164.5	163.8	164.5	165.2	165.2	167.4	168.8	170.2	170.9	171.7
67.5°	142.3	141.6	143.0	142.3	143.8	146.6	145.9	148.1	150.2	150.2	150.9
70°	120.9	122.3	121.6	123.0	122.3	123.7	125.9	126.6	126.6	127.3	129.5
72.5°	100.8	100.8	100.8	100.1	100.8	102.3	103.7	104.4	105.9	106.6	108.7
75°	81.5	81.5	80.1	81.5	81.5	83.0	84.4	84.4	84.4	85.8	88.0
77.5°	61.5	62.2	61.5	62.9	62.9	63.7	65.1	64.4	65.8	66.5	67.2
80°	45.1	44.3	44.3	44.3	45.1	45.1	46.5	47.2	47.2	49.4	47.9
82.5°	28.6	29.3	28.6	29.3	29.3	30.0	29.3	30.0	30.8	32.2	31.5
85°	16.5	15.7	15.7	16.5	15.7	15.7	16.5	15.7	16.5	15.7	16.5
87.5°	6.4	5.7	5.7	5.7	5.7	5.0	5.0	4.3	4.3	4.3	3.6
90°	8.8	9.9	11.0	14.7	19.8	24.2	25.0	24.2	23.5	22.0	23.5
92.5°	30.8	34.8	38.9	58.7	86.6	111.6	113.1	94.7	74.1	63.1	55.1
95°	54.3	63.1	71.9	105.7	169.6	254.7	287.8	251.8	192.3	147.6	116.7
97.5°	73.4	83.3	93.2	136.6	225.4	362.7	469.1	472.8	393.5	314.2	240.1
100°	91.8	102.0	112.3	151.2	240.8	399.4	580.0	685.7	670.3	579.2	478.7
102.5°	108.7	119.0	129.2	164.4	241.5	385.4	583.6	765.0	851.6	848.7	781.9
105°	124.8	135.1	145.4	179.9	245.2	366.3	544.0	739.3	892.0	974.9	984.5
107.5°	141.0	151.2	161.5	195.3	253.3	356.1	507.3	685.0	848.7	972.0	1044.0
110°	157.1	167.8	178.4	210.7	263.6	353.1	482.3	634.3	789.2	920.6	1014.6

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	172.5	183.5	194.5	225.4	274.6	353.9	466.2	599.1	734.9	859.7	961.7
115°	189.4	199.3	209.2	240.8	285.6	356.8	455.2	571.2	692.3	805.4	901.5
117.5°	204.8	215.1	225.4	254.7	297.3	361.2	449.3	552.1	657.1	758.4	847.9
120°	220.2	230.5	240.8	269.4	309.1	365.6	444.2	537.4	632.1	723.1	800.9
122.5°	235.7	246.3	256.9	283.4	319.4	370.7	441.2	524.9	612.3	693.8	766.4
125°	250.3	260.6	270.9	297.3	330.4	375.9	437.5	513.2	593.2	668.8	733.4
127.5°	263.6	274.2	284.8	310.5	340.6	381.0	435.3	502.2	574.1	643.8	705.5
130°	276.0	286.3	296.6	322.3	350.2	386.9	433.9	491.1	555.7	618.9	676.9
132.5°	287.8	298.0	308.3	332.6	359.7	392.8	433.1	482.3	538.1	595.4	647.5
135°	298.1	308.4	318.6	342.1	367.8	397.2	432.4	474.3	522.0	570.4	618.9
137.5°	307.6	317.2	326.7	350.2	374.4	401.6	432.4	468.4	508.8	550.6	590.3
140°	315.7	325.2	334.8	356.8	379.6	404.5	431.7	463.2	496.3	531.5	565.3
142.5°	323.0	331.8	340.6	361.9	384.0	406.7	431.7	458.1	486.0	514.6	542.5
145°	331.1	339.2	347.2	367.1	387.6	408.2	430.2	453.7	476.5	500.7	523.4
147.5°	337.7	345.0	352.4	371.5	389.8	408.9	428.0	449.3	469.1	488.9	507.3
150°	344.3	350.9	357.5	374.4	391.3	408.2	425.8	443.4	461.0	477.2	492.6
152.5°	350.9	356.8	362.7	377.3	392.0	406.7	422.1	438.3	453.0	467.6	480.1
155°	356.8	362.3	367.8	380.3	392.8	405.2	417.7	431.7	445.6	457.4	468.4
157.5°	361.9	366.7	371.5	382.5	392.8	402.3	413.3	425.8	436.8	447.1	456.6
160°	367.1	371.1	375.1	384.0	392.8	400.1	408.9	419.2	428.7	436.8	444.9
162.5°	371.5	374.4	377.3	384.7	392.0	397.9	405.2	413.3	420.7	427.3	433.9
165°	374.4	376.6	378.8	385.4	390.6	395.0	400.1	406.7	412.6	417.7	422.9
167.5°	377.3	378.8	380.3	385.4	389.8	392.0	395.7	400.1	404.5	408.9	412.6
170°	378.8	379.9	381.0	384.7	388.4	389.8	392.0	395.0	398.6	400.8	403.8
172.5°	380.3	381.0	381.8	384.0	386.2	386.9	387.6	389.8	392.0	393.5	395.7
175°	381.0	381.4	381.8	383.2	384.7	384.0	384.7	385.4	387.6	388.4	389.1
177.5°	381.8	381.8	381.8	382.5	384.0	382.5	381.8	382.5	384.0	384.0	384.7
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	886.9	889.0	884.0	882.6	884.0	879.0	880.4	881.9	881.9	884.0	885.5
5°	835.4	832.5	827.5	826.1	824.7	826.8	825.4	827.5	828.2	833.2	834.0
7.5°	784.6	780.3	776.0	771.7	770.3	766.7	770.3	770.3	775.3	773.9	777.5
10°	724.5	723.8	718.1	715.9	713.1	707.4	715.2	713.1	716.7	723.1	724.5
12.5°	680.2	672.3	675.9	665.9	669.5	663.7	664.4	664.4	670.2	670.9	669.5
15°	638.0	631.5	622.3	618.0	615.8	613.0	622.3	623.0	618.7	628.7	625.1
17.5°	595.1	595.1	586.5	584.3	578.6	581.5	580.1	580.8	579.3	586.5	590.1
20°	557.9	554.3	551.4	552.2	545.0	543.6	542.1	543.6	548.6	553.6	555.0
22.5°	527.8	525.7	518.5	520.0	514.3	516.4	515.0	518.5	519.3	519.3	524.3
25°	499.2	496.4	497.1	494.2	492.1	492.1	489.9	492.1	494.9	496.4	497.1
27.5°	477.8	475.6	472.1	469.9	471.3	467.8	470.6	472.8	472.8	471.3	472.8
30°	452.0	453.5	453.5	446.3	449.2	447.7	449.9	451.3	451.3	452.0	450.6
32.5°	434.9	430.6	429.9	429.1	429.1	426.3	426.3	428.4	429.1	429.9	432.0
35°	412.0	412.0	408.4	410.5	407.7	408.4	407.7	408.4	409.8	407.7	409.8
37.5°	391.2	391.9	390.5	391.9	392.7	391.2	389.8	392.7	391.2	391.2	389.8
40°	373.4	372.6	373.4	373.4	373.4	374.1	372.6	372.6	372.6	371.2	369.8
42.5°	358.3	354.0	355.5	356.2	354.0	354.0	354.8	354.0	356.2	351.9	351.9
45°	336.9	335.4	336.2	336.2	337.6	335.4	336.9	337.6	335.4	334.7	333.3
47.5°	317.6	319.0	317.6	319.0	319.0	320.4	317.6	318.3	319.0	316.1	314.0
50°	298.3	298.3	300.4	299.7	300.4	299.0	299.0	298.3	299.0	297.5	295.4
52.5°	280.4	278.2	281.8	281.1	280.4	279.7	278.9	279.7	278.2	276.8	276.8
55°	258.2	258.2	260.3	261.1	261.1	259.6	258.2	258.9	258.2	257.5	256.8
57.5°	240.3	237.5	238.9	239.6	239.6	237.5	238.9	237.5	237.5	238.2	236.0
60°	217.4	217.4	216.0	218.1	218.1	216.7	216.7	217.4	216.0	215.3	214.6
62.5°	193.1	193.8	196.0	196.7	197.4	196.0	194.5	195.3	195.3	193.1	193.8
65°	172.4	173.8	176.7	175.9	174.5	175.2	173.8	174.5	172.4	173.1	170.9
67.5°	152.3	151.6	152.3	152.3	153.8	153.1	151.6	151.6	150.9	153.1	150.9
70°	130.9	130.9	130.9	130.9	131.6	132.3	130.9	129.5	130.2	128.7	128.0
72.5°	108.7	109.4	108.7	110.1	108.0	109.4	109.4	108.7	108.0	108.0	108.0
75°	88.0	89.4	87.3	88.0	87.3	88.7	88.0	88.0	86.5	85.8	86.5
77.5°	67.2	67.9	66.5	67.2	66.5	67.2	67.2	66.5	66.5	66.5	66.5
80°	47.9	48.6	47.9	47.2	46.5	47.9	46.5	47.2	47.9	47.2	48.6
82.5°	30.8	30.8	30.0	30.8	29.3	29.3	30.0	30.0	29.3	30.8	29.3
85°	15.0	15.0	16.5	15.0	14.3	14.3	14.3	15.0	14.3	15.7	15.0
87.5°	3.6	2.9	3.6	3.6	2.9	2.9	3.6	2.9	3.6	4.3	2.9
90°	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	23.8
92.5°	52.2	49.2	48.5	45.5	46.3	44.8	46.3	45.5	48.5	49.2	52.2
95°	108.6	100.6	91.0	85.2	83.0	83.7	83.0	85.2	91.0	100.6	108.6
97.5°	218.0	196.0	167.4	152.7	144.6	140.2	144.6	152.7	167.4	196.0	218.0
100°	434.2	389.8	328.9	297.3	276.0	262.8	276.0	297.3	328.9	389.8	434.2
102.5°	734.2	686.4	618.9	559.4	531.5	512.4	531.5	559.4	618.9	686.4	734.2
105°	972.4	960.3	914.7	869.2	837.7	827.4	837.7	869.2	914.7	960.3	972.4
107.5°	1058.6	1073.3	1072.6	1066.0	1056.4	1039.5	1056.4	1066.0	1072.6	1073.3	1058.6
110°	1044.7	1074.8	1106.4	1120.3	1126.9	1126.2	1126.9	1120.3	1106.4	1074.8	1044.7

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	997.3	1032.9	1079.9	1105.6	1119.6	1124.7	1119.6	1105.6	1079.9	1032.9	997.3
115°	939.3	977.1	1029.3	1063.0	1082.1	1088.7	1082.1	1063.0	1029.3	977.1	939.3
117.5°	883.9	919.9	973.5	1009.4	1029.3	1034.4	1029.3	1009.4	973.5	919.9	883.9
120°	834.4	867.8	919.1	953.7	974.9	982.3	974.9	953.7	919.1	867.8	834.4
122.5°	795.8	825.2	870.0	903.7	922.1	928.0	922.1	903.7	870.0	825.2	795.8
125°	761.0	788.5	831.0	858.9	877.3	883.2	877.3	858.9	831.0	788.5	761.0
127.5°	731.2	756.9	794.3	820.8	836.9	841.3	836.9	820.8	794.3	756.9	731.2
130°	701.1	725.3	761.3	786.3	800.9	806.8	800.9	786.3	761.3	725.3	701.1
132.5°	669.9	692.3	727.5	752.5	765.7	770.8	765.7	752.5	727.5	692.3	669.9
135°	639.4	660.0	691.6	715.8	729.0	731.9	729.0	715.8	691.6	660.0	639.4
137.5°	608.6	627.0	657.1	678.3	690.1	694.5	690.1	678.3	657.1	627.0	608.6
140°	581.4	597.6	621.1	640.2	651.2	655.6	651.2	640.2	621.1	597.6	581.4
142.5°	555.4	568.2	590.3	607.1	616.7	616.7	616.7	607.1	590.3	568.2	555.4
145°	534.0	544.7	562.4	574.8	582.2	584.4	582.2	574.8	562.4	544.7	534.0
147.5°	515.4	523.4	538.9	549.1	554.3	555.7	554.3	549.1	538.9	523.4	515.4
150°	499.2	505.8	516.8	525.6	530.1	530.8	530.1	525.6	516.8	505.8	499.2
152.5°	485.6	491.1	499.2	506.6	509.5	509.5	509.5	506.6	499.2	491.1	485.6
155°	472.4	476.5	484.5	489.7	492.6	491.1	492.6	489.7	484.5	476.5	472.4
157.5°	459.9	463.2	469.1	473.5	475.0	475.0	475.0	473.5	469.1	463.2	459.9
160°	447.4	450.0	455.2	458.8	459.6	459.6	459.6	458.8	455.2	450.0	447.4
162.5°	435.7	437.5	442.7	444.9	445.6	444.9	445.6	444.9	442.7	437.5	435.7
165°	424.4	425.8	428.7	431.7	431.7	430.9	431.7	431.7	428.7	425.8	424.4
167.5°	414.0	415.5	417.0	418.5	418.5	417.7	418.5	418.5	417.0	415.5	414.0
170°	404.5	405.2	406.0	408.2	407.4	406.0	407.4	408.2	406.0	405.2	404.5
172.5°	396.0	396.4	397.2	397.9	397.2	396.4	397.2	397.9	397.2	396.4	396.0
175°	389.5	389.8	389.8	390.6	389.8	388.4	389.8	390.6	389.8	389.8	389.5
177.5°	384.7	384.7	384.7	384.7	384.0	382.5	384.0	384.7	384.7	384.7	384.7
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	883.3	889.0	886.9	879.0	888.3	888.3	894.8	894.8	902.6	905.5	909.8
5°	833.2	837.5	841.1	837.5	844.0	854.0	859.7	864.7	875.4	879.7	886.2
7.5°	779.6	787.5	791.0	791.0	801.8	813.2	824.7	831.8	846.8	852.6	859.0
10°	727.4	736.7	743.8	743.1	761.0	768.2	782.5	798.9	813.9	822.5	831.8
12.5°	672.3	677.3	687.3	701.6	705.9	718.8	735.3	756.0	783.2	791.0	804.6
15°	626.5	640.1	648.0	654.4	664.4	676.6	694.5	714.5	741.7	758.9	773.2
17.5°	587.9	605.8	610.8	609.4	622.3	640.8	661.6	676.6	700.9	721.7	735.3
20°	556.4	563.6	572.2	575.8	585.8	605.8	625.8	643.0	663.0	679.5	695.2
22.5°	525.0	530.7	537.9	544.3	552.2	563.6	582.9	604.4	623.7	639.4	657.3
25°	499.2	502.8	509.2	514.3	522.8	530.7	544.3	567.9	590.8	600.1	615.8
27.5°	474.2	477.1	481.4	487.1	491.4	499.2	511.4	530.7	554.3	563.6	585.1
30°	452.0	454.2	458.5	461.3	463.5	472.8	482.1	497.1	515.0	527.8	543.6
32.5°	431.3	433.4	437.7	438.4	441.3	446.3	454.9	468.5	484.2	494.9	508.5
35°	408.4	409.8	414.1	415.5	417.7	422.0	428.4	438.4	452.7	460.6	472.8
37.5°	390.5	389.8	392.7	394.8	397.7	399.8	402.0	412.0	422.7	429.9	439.2
40°	371.2	369.8	370.5	373.4	374.8	377.6	377.6	387.7	394.8	400.5	407.7
42.5°	351.9	351.2	349.7	351.2	352.6	353.3	354.0	361.2	368.3	373.4	381.2
45°	332.6	331.9	330.4	331.2	331.2	332.6	334.7	337.6	342.6	346.9	351.2
47.5°	314.7	313.3	311.1	310.4	311.8	311.8	311.8	314.7	319.7	321.1	325.4
50°	296.1	294.0	291.1	289.7	289.7	289.0	290.4	291.1	295.4	296.8	300.4
52.5°	276.1	274.6	271.8	268.9	269.6	268.2	268.9	269.6	271.1	273.2	275.4
55°	256.1	253.2	251.0	250.3	248.2	248.2	246.0	248.9	248.2	248.9	251.8
57.5°	236.7	233.9	230.3	228.9	226.7	226.0	224.6	223.9	224.6	226.7	228.9
60°	213.9	212.4	210.3	208.1	206.7	204.6	203.1	203.1	202.4	202.4	203.1
62.5°	191.7	191.0	188.1	187.4	186.0	184.5	182.4	181.0	181.0	182.4	183.1
65°	170.2	169.5	167.4	166.6	163.1	161.6	160.9	160.2	158.8	158.8	158.8
67.5°	150.2	148.1	148.1	144.5	141.6	140.2	138.8	138.0	138.0	138.0	138.8
70°	128.0	128.0	125.9	123.7	120.9	121.6	119.4	117.3	117.3	115.9	116.6
72.5°	106.6	105.9	103.7	103.0	100.8	98.7	97.3	98.7	96.6	95.8	96.6
75°	85.8	85.1	83.7	82.3	83.0	80.8	78.7	78.0	78.0	76.5	76.5
77.5°	65.8	67.2	64.4	63.7	62.2	60.8	60.1	59.4	59.4	59.4	60.8
80°	45.8	46.5	46.5	45.1	45.8	43.6	43.6	43.6	41.5	42.2	42.9
82.5°	29.3	29.3	28.6	29.3	28.6	28.6	27.9	27.9	27.2	27.2	27.9
85°	16.5	15.7	15.0	16.5	15.7	15.7	15.0	15.0	15.0	15.0	15.0
87.5°	3.6	4.3	4.3	4.3	4.3	5.0	5.0	5.0	5.7	5.7	5.7
90°	23.5	22.0	23.5	24.2	25.0	24.2	19.8	14.7	11.0	9.9	8.8
92.5°	55.1	63.1	74.1	94.7	113.1	111.6	86.6	58.7	38.9	34.8	30.8
95°	116.7	147.6	192.3	251.8	287.8	254.7	169.6	105.7	71.9	63.1	54.3
97.5°	240.1	314.2	393.5	472.8	469.1	362.7	225.4	136.6	93.2	83.3	73.4
100°	478.7	579.2	670.3	685.7	580.0	399.4	240.8	151.2	112.3	102.0	91.8
102.5°	781.9	848.7	851.6	765.0	583.6	385.4	241.5	164.4	129.2	119.0	108.7
105°	984.5	974.9	892.0	739.3	544.0	366.3	245.2	179.9	145.4	135.1	124.8
107.5°	1044.0	972.0	848.7	685.0	507.3	356.1	253.3	195.3	161.5	151.2	141.0
110°	1014.6	920.6	789.2	634.3	482.3	353.1	263.6	210.7	178.4	167.8	157.1

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	961.7	859.7	734.9	599.1	466.2	353.9	274.6	225.4	194.5	183.5	172.5
115°	901.5	805.4	692.3	571.2	455.2	356.8	285.6	240.8	209.2	199.3	189.4
117.5°	847.9	758.4	657.1	552.1	449.3	361.2	297.3	254.7	225.4	215.1	204.8
120°	800.9	723.1	632.1	537.4	444.2	365.6	309.1	269.4	240.8	230.5	220.2
122.5°	766.4	693.8	612.3	524.9	441.2	370.7	319.4	283.4	256.9	246.3	235.7
125°	733.4	668.8	593.2	513.2	437.5	375.9	330.4	297.3	270.9	260.6	250.3
127.5°	705.5	643.8	574.1	502.2	435.3	381.0	340.6	310.5	284.8	274.2	263.6
130°	676.9	618.9	555.7	491.1	433.9	386.9	350.2	322.3	296.6	286.3	276.0
132.5°	647.5	595.4	538.1	482.3	433.1	392.8	359.7	332.6	308.3	298.0	287.8
135°	618.9	570.4	522.0	474.3	432.4	397.2	367.8	342.1	318.6	308.4	298.1
137.5°	590.3	550.6	508.8	468.4	432.4	401.6	374.4	350.2	326.7	317.2	307.6
140°	565.3	531.5	496.3	463.2	431.7	404.5	379.6	356.8	334.8	325.2	315.7
142.5°	542.5	514.6	486.0	458.1	431.7	406.7	384.0	361.9	340.6	331.8	323.0
145°	523.4	500.7	476.5	453.7	430.2	408.2	387.6	367.1	347.2	339.2	331.1
147.5°	507.3	488.9	469.1	449.3	428.0	408.9	389.8	371.5	352.4	345.0	337.7
150°	492.6	477.2	461.0	443.4	425.8	408.2	391.3	374.4	357.5	350.9	344.3
152.5°	480.1	467.6	453.0	438.3	422.1	406.7	392.0	377.3	362.7	356.8	350.9
155°	468.4	457.4	445.6	431.7	417.7	405.2	392.8	380.3	367.8	362.3	356.8
157.5°	456.6	447.1	436.8	425.8	413.3	402.3	392.8	382.5	371.5	366.7	361.9
160°	444.9	436.8	428.7	419.2	408.9	400.1	392.8	384.0	375.1	371.1	367.1
162.5°	433.9	427.3	420.7	413.3	405.2	397.9	392.0	384.7	377.3	374.4	371.5
165°	422.9	417.7	412.6	406.7	400.1	395.0	390.6	385.4	378.8	376.6	374.4
167.5°	412.6	408.9	404.5	400.1	395.7	392.0	389.8	385.4	380.3	378.8	377.3
170°	403.8	400.8	398.6	395.0	392.0	389.8	388.4	384.7	381.0	379.9	378.8
172.5°	395.7	393.5	392.0	389.8	387.6	386.9	386.2	384.0	381.8	381.0	380.3
175°	389.1	388.4	387.6	385.4	384.7	384.0	384.7	383.2	381.8	381.4	381.0
177.5°	384.7	384.0	384.0	382.5	381.8	382.5	384.0	382.5	381.8	381.8	381.8
180°	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	930.5	930.5	930.5	930.5
2.5°	913.3	913.3	924.1	935.5
5°	893.3	898.3	915.5	931.2
7.5°	874.0	882.6	904.1	924.1
10°	850.4	861.9	888.3	911.9
12.5°	827.5	838.3	869.0	895.5
15°	795.3	808.9	841.8	874.7
17.5°	763.2	776.7	816.8	855.4
20°	725.2	743.1	788.2	839.7
22.5°	690.2	712.4	762.4	803.9
25°	651.6	685.9	732.4	786.0
27.5°	617.2	651.6	698.8	753.1
30°	578.6	613.7	662.3	712.4
32.5°	541.4	573.6	620.8	682.3
35°	502.8	533.6	579.3	641.6
37.5°	467.8	497.8	547.9	605.1
40°	433.4	464.9	507.8	565.0
42.5°	401.2	429.1	467.8	525.0
45°	371.9	391.9	427.7	481.4
47.5°	341.2	359.0	391.9	445.6
50°	312.6	327.6	356.2	406.3
52.5°	284.7	297.5	324.0	364.1
55°	259.6	271.8	291.1	330.4
57.5°	233.9	243.2	261.8	293.2
60°	208.8	217.4	232.4	258.2
62.5°	183.8	191.0	205.3	226.0
65°	161.6	167.4	178.1	196.0
67.5°	140.2	143.8	152.3	166.6
70°	119.4	122.3	129.5	140.9
72.5°	97.3	100.1	108.0	115.9
75°	78.7	79.4	85.1	91.5
77.5°	61.5	60.8	65.1	70.1
80°	42.2	44.3	47.9	50.1
82.5°	28.6	29.3	30.8	32.2
85°	15.7	16.5	16.5	18.6
87.5°	6.4	7.2	7.2	7.9
90°	7.3	5.9	2.9	0.7
92.5°	25.0	21.3	15.4	11.0
95°	42.6	36.0	28.6	25.7
97.5°	60.2	50.7	42.6	38.2
100°	77.1	65.3	58.7	56.5
102.5°	93.2	81.5	74.9	73.4
105°	108.7	97.6	92.5	89.6
107.5°	124.8	114.5	109.4	107.2
110°	141.7	132.1	127.7	124.8

TEST NUMBER: P1009158

CATALOG NUMBER: S122DIP-B485D725UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	157.8	149.0	143.9	141.0
115°	174.7	165.9	161.5	157.8
117.5°	190.9	182.8	178.4	175.5
120°	205.6	199.0	194.5	191.6
122.5°	221.0	213.6	209.2	207.0
125°	235.7	226.9	222.4	220.2
127.5°	249.6	240.1	234.2	231.3
130°	261.4	251.1	243.7	240.8
132.5°	272.4	261.4	253.3	249.6
135°	281.2	270.2	261.4	258.4
137.5°	290.7	279.0	270.2	266.5
140°	299.5	287.8	279.0	276.0
142.5°	307.6	295.9	287.8	285.6
145°	316.4	305.4	298.1	295.1
147.5°	325.2	314.9	307.6	305.4
150°	333.3	323.8	317.9	315.7
152.5°	340.6	332.6	326.7	326.0
155°	348.7	340.6	336.2	335.5
157.5°	355.3	348.0	344.3	343.6
160°	361.2	355.3	352.4	351.7
162.5°	366.3	361.9	359.0	359.7
165°	370.7	366.3	364.9	365.6
167.5°	374.4	371.5	370.0	370.7
170°	377.3	375.1	374.4	375.9
172.5°	379.6	377.3	378.1	378.8
175°	381.0	379.6	380.3	381.0
177.5°	381.8	380.3	381.0	382.5
180°	381.8	381.8	381.8	381.8

(END OF REPORT)