

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: P1009986

Luminaire Tested: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1009986
REPORT IS A COMBINATION OF REPORTS P988276 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B485D330UB30-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

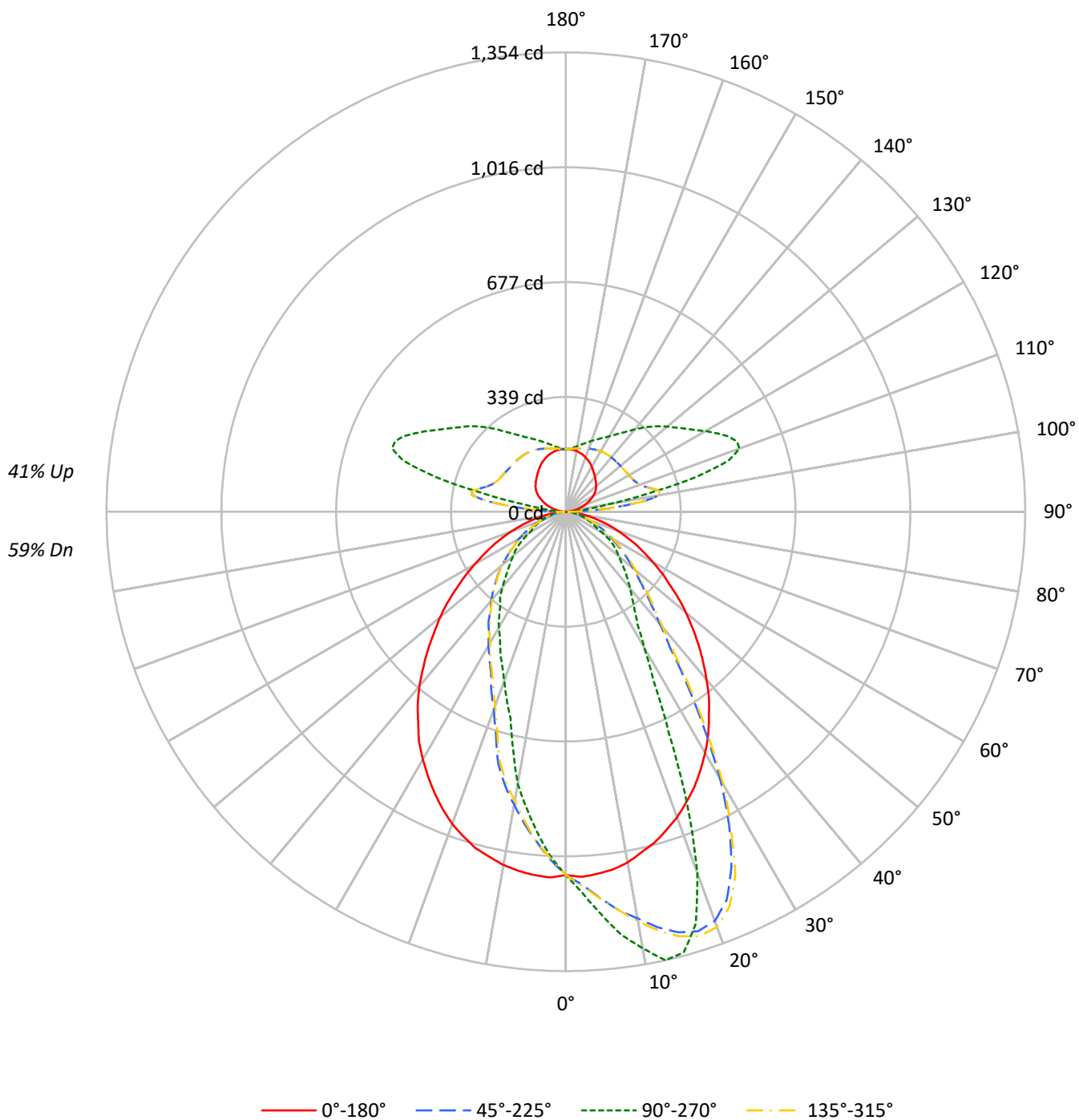
Lumens per Lamp: N/A
Luminaire Lumens: 3138.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 33.3
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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64
1	101	97	93	90	94	90	87	85	79	77	74	68	67	65	58	57	56
2	92	86	80	75	86	80	75	71	70	66	63	61	58	56	53	51	49
3	85	76	69	64	79	72	65	61	63	58	54	55	51	48	47	45	43
4	78	68	61	55	73	64	58	52	57	51	47	50	46	42	43	40	38
5	72	61	54	48	68	58	51	46	51	46	42	45	41	38	39	36	34
6	67	56	48	42	63	53	46	40	47	41	37	41	37	34	36	33	30
7	62	51	43	38	58	48	41	36	43	37	33	38	34	30	33	30	27
8	58	46	39	34	55	44	37	32	39	34	30	35	31	27	31	28	25
9	54	43	35	31	51	41	34	29	36	31	27	33	28	25	29	25	23
10	51	39	32	28	48	37	31	27	34	29	25	30	26	23	27	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16945	16945	16945	16945
5°	16986	17998	17044	14379
10°	16798	19025	16917	11875
15°	16433	19030	16712	8920
20°	15995	15731	16343	7359
25°	15464	9830	15797	6261
30°	14786	6293	15187	5389
35°	13959	4837	14411	4612
40°	13038	4066	13597	4034
45°	12056	3460	12560	3387
50°	11048	2940	11565	2930
55°	9931	2556	10467	2521
60°	8940	1948	9413	1924
65°	8013	1466	8489	1663
70°	6990	1171	7540	1355
75°	5907	898	6450	1026
80°	4694	610	5046	673
85°	3263	315	3574	332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 15501 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	3.2
10°-20°	283.4	9.0
20°-30°	364.8	11.6
30°-40°	346.1	11.0
40°-50°	296.6	9.5
50°-60°	225.9	7.2
60°-70°	142.4	4.5
70°-80°	71.1	2.3
80°-90°	19.5	0.6
90°-100°	72.0	2.3
100°-110°	253.7	8.1
110°-120°	266.4	8.5
120°-130°	219.2	7.0
130°-140°	176.1	5.6
140°-150°	133.0	4.2
150°-160°	93.5	3.0
160°-170°	55.0	1.8
170°-180°	17.9	0.6
0°-30°	749.7	23.9
0°-40°	1095.8	34.9
0°-60°	1618.2	51.6
0°-90°	1851.2	59.0
90°-120°	592.1	18.9
90°-150°	1120.4	35.7
90°-180°	1287.0	41.0
0°-180°	3138.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1070	1070	1070	1070	1070	
5°	1071	1191	1075	952	1071	102
15°	1010	1344	1027	630	1010	284
25°	896	717	915	457	896	411
35°	735	353	759	337	735	460
45°	552	246	575	240	552	426
55°	373	170	393	168	373	336
65°	225	88	239	100	225	224
75°	106	47	115	54	106	114
85°	23	13	25	14	23	26
90°	0	12	0	12	0	2
95°	12	40	12	40	12	13
105°	43	400	43	400	43	46
115°	76	527	76	527	76	76
125°	107	428	107	428	107	95
135°	125	354	125	354	125	97
145°	143	283	143	283	143	90
155°	162	238	162	238	162	75
165°	177	209	177	209	177	50
175°	184	188	184	188	184	18
180°	185	185	185	185	185	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1077.2	1081.7	1083.9	1086.9	1093.6	1098.1	1104.7	1106.2	1105.5	1108.5	1100.3
5°	1071.3	1080.9	1089.9	1097.3	1109.2	1116.6	1124.8	1134.5	1136.7	1147.9	1141.2
7.5°	1063.1	1077.2	1089.9	1104.7	1122.6	1132.3	1144.9	1159.8	1166.5	1179.9	1183.6
10°	1049.7	1069.8	1091.4	1107.0	1131.5	1148.6	1160.5	1184.3	1200.0	1220.1	1217.1
12.5°	1028.1	1054.2	1083.2	1109.2	1141.2	1152.4	1174.7	1199.2	1219.3	1237.9	1254.3
15°	1009.5	1039.3	1071.3	1103.3	1139.7	1160.5	1182.9	1214.8	1236.4	1269.2	1283.3
17.5°	984.2	1022.2	1060.1	1095.8	1139.0	1162.8	1190.3	1221.5	1253.5	1284.8	1295.9
20°	958.2	999.1	1040.0	1088.4	1137.5	1160.5	1188.8	1227.5	1258.7	1283.3	1283.3
22.5°	926.9	976.8	1023.7	1069.8	1123.3	1156.8	1185.8	1231.2	1253.5	1258.7	1238.7
25°	895.7	945.5	996.9	1054.2	1115.2	1144.9	1177.7	1220.1	1227.5	1206.7	1154.6
27.5°	858.5	914.3	972.3	1034.1	1098.1	1135.2	1165.0	1193.3	1179.1	1123.3	1042.3
30°	820.6	880.8	946.3	1005.1	1082.4	1116.6	1141.9	1150.1	1105.5	1014.7	909.8
32.5°	781.1	839.9	909.1	979.8	1057.9	1090.6	1107.0	1085.4	1003.6	889.0	761.0
35°	735.0	801.2	873.4	947.0	1024.4	1049.0	1058.6	1005.8	900.9	752.9	625.7
37.5°	693.3	759.6	836.9	912.1	987.2	1000.6	990.9	908.3	775.2	628.6	504.4
40°	644.2	714.9	790.8	874.9	936.6	940.3	916.5	809.4	644.2	506.6	430.0
42.5°	598.9	670.3	746.2	831.7	878.6	865.9	834.0	693.3	537.9	436.7	374.9
45°	552.0	619.7	701.5	777.4	810.9	781.1	732.8	583.2	451.6	375.7	328.1
47.5°	506.6	569.9	650.9	723.9	729.8	696.3	639.0	488.8	391.3	330.3	291.6
50°	462.0	525.2	601.1	661.4	655.4	609.3	544.6	424.8	340.0	291.6	259.6
52.5°	417.3	474.6	548.3	595.9	570.6	526.0	462.0	360.1	296.8	254.4	229.9
55°	372.7	426.3	489.5	528.9	488.8	437.4	392.1	308.7	257.4	223.2	204.6
57.5°	335.5	377.9	435.9	459.8	411.4	371.2	331.8	265.6	223.2	198.6	177.1
60°	294.6	333.3	380.9	395.0	345.2	312.5	279.0	224.7	191.2	169.6	155.5
62.5°	259.6	291.6	328.1	328.1	284.2	259.6	234.3	188.2	160.7	143.6	136.9
65°	225.4	248.5	274.5	271.5	234.3	212.8	192.7	155.5	134.7	122.7	116.1
67.5°	191.9	209.8	226.9	216.5	189.7	171.1	152.5	125.7	111.6	103.4	94.5
70°	161.4	175.6	184.5	174.8	148.0	132.4	119.0	101.2	90.0	79.6	74.4
72.5°	135.4	141.3	144.3	132.4	110.1	101.2	91.5	78.9	69.2	64.0	62.5
75°	105.6	110.8	108.6	99.7	81.1	74.4	67.0	58.0	55.8	52.8	51.3
77.5°	82.6	82.6	78.9	70.7	58.0	52.8	49.8	45.4	43.1	42.4	40.9
80°	58.8	58.0	55.8	46.9	39.4	36.5	36.5	33.5	32.7	31.2	31.2
82.5°	38.7	38.7	35.7	28.3	26.0	25.3	24.5	23.1	23.1	22.3	22.3
85°	23.1	21.6	17.9	15.6	14.9	14.9	14.1	13.4	14.1	13.4	13.4
87.5°	10.4	8.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
90°	0.4	1.4	2.8	3.6	4.3	4.8	5.3	7.1	9.6	11.7	12.1
92.5°	5.3	7.5	10.3	12.1	14.9	16.8	18.8	28.4	41.9	54.0	54.7
95°	12.4	13.9	17.4	20.6	26.3	30.6	34.8	51.2	82.1	123.3	139.3
97.5°	18.5	20.6	24.5	29.1	35.5	40.3	45.1	66.1	109.1	175.5	227.1
100°	27.4	28.4	31.6	37.3	44.4	49.4	54.4	73.2	116.6	193.3	280.7
102.5°	35.5	36.2	39.4	45.1	52.6	57.6	62.5	79.6	116.9	186.6	282.5
105°	43.4	44.8	47.3	52.6	60.4	65.4	70.4	87.1	118.7	177.3	263.3
107.5°	51.9	52.9	55.4	60.4	68.2	73.2	78.2	94.5	122.6	172.3	245.5
110°	60.4	61.8	64.0	68.6	76.0	81.2	86.3	102.0	127.6	170.9	233.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	68.2	69.6	72.1	76.4	83.5	88.8	94.2	109.1	132.9	171.3	225.6
115°	76.4	78.2	80.3	84.6	91.7	96.5	101.3	116.6	138.2	172.7	220.3
117.5°	84.9	86.3	88.5	92.4	99.1	104.1	109.1	123.3	143.9	174.8	217.5
120°	92.7	94.2	96.3	99.5	106.6	111.6	116.6	130.4	149.6	177.0	215.0
122.5°	100.2	101.3	103.4	107.0	114.1	119.2	124.4	137.2	154.6	179.4	213.6
125°	106.6	107.7	109.8	114.1	121.2	126.2	131.1	143.9	159.9	181.9	211.8
127.5°	111.9	113.4	116.2	120.8	127.6	132.8	137.9	150.3	164.9	184.4	210.7
130°	116.6	118.0	121.5	126.5	133.6	138.6	143.6	156.0	169.5	187.3	210.0
132.5°	120.8	122.6	126.5	131.8	139.3	144.2	149.2	161.0	174.1	190.1	209.7
135°	125.1	126.5	130.8	136.1	144.3	149.2	154.2	165.6	178.0	192.2	209.3
137.5°	129.0	130.8	135.0	140.7	148.9	153.5	158.1	169.5	181.2	194.4	209.3
140°	133.6	135.0	139.3	145.0	152.8	157.4	162.0	172.7	183.7	195.8	208.9
142.5°	138.2	139.3	143.2	148.9	156.4	160.6	164.9	175.2	185.8	196.9	208.9
145°	142.8	144.3	147.8	153.2	160.3	164.2	168.1	177.7	187.6	197.6	208.2
147.5°	147.8	148.9	152.4	157.4	163.5	167.0	170.6	179.8	188.7	197.9	207.2
150°	152.8	153.9	156.7	161.3	166.7	169.9	173.1	181.2	189.4	197.6	206.1
152.5°	157.8	158.1	161.0	164.9	169.9	172.7	175.5	182.6	189.8	196.9	204.3
155°	162.4	162.7	164.9	168.8	172.7	175.4	178.0	184.1	190.1	196.2	202.2
157.5°	166.3	166.7	168.4	172.0	175.2	177.5	179.8	185.1	190.1	194.7	200.1
160°	170.2	170.6	172.0	174.8	177.7	179.6	181.6	185.8	190.1	193.7	197.9
162.5°	174.1	173.8	175.2	177.3	179.8	181.2	182.6	186.2	189.8	192.6	196.2
165°	177.0	176.6	177.3	179.4	181.2	182.3	183.4	186.6	189.0	191.2	193.7
167.5°	179.4	179.1	179.8	181.2	182.6	183.4	184.1	186.6	188.7	189.8	191.5
170°	181.9	181.2	181.6	182.6	183.4	183.9	184.4	186.2	188.0	188.7	189.8
172.5°	183.4	183.0	182.6	183.7	184.1	184.4	184.8	185.8	186.9	187.3	187.6
175°	184.4	184.1	183.7	184.4	184.4	184.6	184.8	185.5	186.2	185.8	186.2
177.5°	185.1	184.4	184.1	184.8	184.8	184.8	184.8	185.1	185.8	185.1	184.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1108.5	1110.0	1112.2	1122.6	1124.1	1127.1	1125.6	1125.6	1126.3	1124.8	1125.6
5°	1156.1	1158.3	1169.5	1182.1	1185.1	1182.1	1185.8	1191.0	1191.0	1191.0	1189.6
7.5°	1200.7	1208.9	1221.5	1240.1	1243.9	1247.6	1254.3	1249.8	1251.3	1258.0	1255.8
10°	1243.9	1255.8	1269.9	1285.5	1293.7	1298.9	1301.9	1308.6	1324.2	1306.4	1313.0
12.5°	1284.8	1301.9	1316.8	1333.9	1339.8	1346.5	1348.8	1354.7	1354.7	1354.0	1359.2
15°	1311.6	1327.2	1340.6	1351.7	1353.2	1351.7	1350.2	1351.0	1353.2	1344.3	1349.5
17.5°	1317.5	1319.0	1323.5	1319.0	1319.7	1304.1	1295.2	1293.0	1272.1	1272.9	1290.0
20°	1288.5	1263.2	1256.5	1232.0	1217.1	1176.9	1175.4	1164.3	1120.4	1133.8	1130.8
22.5°	1208.9	1165.7	1108.5	1080.2	1066.1	1023.7	990.9	967.9	952.2	936.6	929.9
25°	1104.0	1034.1	953.0	897.2	889.0	849.6	789.3	761.0	727.6	717.2	735.0
27.5°	968.6	877.8	786.3	700.8	685.2	649.5	619.0	598.9	560.2	558.0	559.4
30°	784.9	693.3	616.7	560.9	522.2	505.9	485.8	470.9	455.3	461.2	462.7
32.5°	645.0	558.0	486.5	456.8	438.9	428.5	411.4	401.7	395.0	392.8	392.1
35°	512.6	454.5	422.6	393.5	383.1	375.7	363.0	358.6	352.6	353.4	353.4
37.5°	438.9	390.6	366.8	351.9	342.2	338.5	330.3	325.8	322.1	320.6	322.9
40°	378.7	345.2	330.3	316.9	308.7	307.2	302.8	297.6	293.1	293.9	296.1
42.5°	334.8	315.4	297.6	287.2	281.2	279.0	275.3	271.5	271.5	269.3	268.6
45°	299.8	284.2	269.3	259.6	255.9	252.9	248.5	247.7	244.8	245.5	246.2
47.5°	268.6	255.9	244.8	235.1	231.4	230.6	226.2	223.2	223.2	222.4	221.7
50°	240.3	227.6	218.0	212.8	207.6	206.1	205.3	204.6	203.1	203.1	203.8
52.5°	217.2	204.6	197.1	192.7	189.7	188.2	188.2	187.5	187.5	187.5	186.7
55°	191.9	181.5	175.6	174.1	172.6	171.8	171.1	169.6	168.9	170.4	168.9
57.5°	168.1	164.4	159.2	157.7	154.0	154.0	151.8	150.3	148.8	150.3	150.3
60°	149.5	144.3	141.3	136.9	133.9	130.9	127.2	126.5	125.0	124.2	123.5
62.5°	130.2	125.7	118.3	111.6	107.1	104.2	102.7	101.9	101.9	101.2	101.2
65°	108.6	98.2	94.5	92.2	91.5	90.8	89.3	88.5	89.3	88.5	89.3
67.5°	84.8	83.3	81.1	79.6	78.9	78.1	78.1	77.4	77.4	77.4	77.4
70°	73.6	69.9	69.2	67.7	67.7	67.0	67.0	67.0	67.0	66.2	67.7
72.5°	61.0	58.8	58.0	57.3	57.3	57.3	56.5	56.5	56.5	55.8	56.5
75°	49.8	49.1	47.6	47.6	46.9	47.6	46.9	46.9	46.1	46.9	46.9
77.5°	40.2	39.4	38.7	38.7	37.9	37.9	37.9	37.9	37.9	37.9	38.7
80°	30.5	29.8	29.0	29.8	29.0	29.8	29.0	29.0	29.8	29.0	29.0
82.5°	22.3	21.6	21.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
85°	13.4	12.6	12.6	13.4	12.6	13.4	12.6	12.6	12.6	13.4	13.4
87.5°	6.0	6.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.7
90°	11.7	11.4	10.7	11.4	11.6	11.7	11.7	11.7	11.7	11.7	11.7
92.5°	45.8	35.9	30.6	26.7	25.2	23.8	23.5	22.0	22.4	21.7	22.4
95°	121.9	93.1	71.4	56.5	52.6	48.7	44.1	41.2	40.2	40.5	40.2
97.5°	228.8	190.5	152.1	116.2	105.6	94.9	81.0	73.9	70.0	67.9	70.0
100°	331.9	324.4	280.4	231.7	210.2	188.7	159.2	143.9	133.6	127.2	133.6
102.5°	370.3	412.2	410.8	378.4	355.3	332.2	299.6	270.8	257.3	248.0	257.3
105°	357.8	431.7	471.9	476.5	470.6	464.8	442.8	420.7	405.4	400.5	405.4
107.5°	331.5	410.8	470.5	505.3	512.4	519.5	519.2	516.0	511.3	503.2	511.3
110°	307.0	382.0	445.6	491.1	505.6	520.2	535.5	542.3	545.5	545.1	545.5

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	290.0	355.7	416.1	465.5	482.8	500.0	522.7	535.2	541.9	544.4	541.9
115°	276.5	335.1	389.8	436.4	454.7	473.0	498.2	514.5	523.8	527.0	523.8
117.5°	267.2	318.0	367.1	410.4	427.8	445.2	471.2	488.6	498.2	500.7	498.2
120°	260.1	306.0	350.0	387.7	403.8	420.0	444.9	461.6	471.9	475.5	471.9
122.5°	254.1	296.4	335.8	371.0	385.2	399.4	421.1	437.4	446.3	449.2	446.3
125°	248.4	287.1	323.7	355.0	368.3	381.6	402.3	415.8	424.6	427.5	424.6
127.5°	243.1	277.9	311.6	341.5	354.0	366.4	384.5	397.3	405.1	407.2	405.1
130°	237.7	269.0	299.6	327.6	339.4	351.1	368.5	380.6	387.7	390.5	387.7
132.5°	233.5	260.5	288.2	313.4	324.2	335.1	352.1	364.2	370.6	373.1	370.6
135°	229.6	252.7	276.1	299.6	309.6	319.5	334.7	346.5	352.9	354.3	352.9
137.5°	226.7	246.3	266.5	285.7	294.6	303.5	318.0	328.3	334.0	336.2	334.0
140°	224.2	240.2	257.3	273.6	281.5	289.3	300.6	309.9	315.2	317.3	315.2
142.5°	221.7	235.2	249.1	262.6	268.8	275.0	285.7	293.9	298.5	298.5	298.5
145°	219.6	230.6	242.3	253.4	258.6	263.7	272.2	278.2	281.8	282.9	281.8
147.5°	217.5	227.1	236.7	245.5	249.4	253.4	260.8	265.8	268.3	269.0	268.3
150°	214.6	223.2	231.0	238.4	241.6	244.8	250.2	254.4	256.6	256.9	256.6
152.5°	212.1	219.2	226.4	232.4	235.0	237.7	241.6	245.2	246.6	246.6	246.6
155°	208.9	215.7	221.4	226.7	228.6	230.6	234.5	237.0	238.4	237.7	238.4
157.5°	206.1	211.4	216.4	221.0	222.6	224.2	227.1	229.2	229.9	229.9	229.9
160°	202.9	207.5	211.4	215.3	216.6	217.8	220.3	222.1	222.4	222.4	222.4
162.5°	200.1	203.6	206.8	210.0	210.9	211.8	214.3	215.3	215.7	215.3	215.7
165°	196.9	199.7	202.2	204.7	205.4	206.1	207.5	208.9	208.9	208.6	208.9
167.5°	193.7	195.8	197.9	199.7	200.4	201.1	201.8	202.5	202.5	202.2	202.5
170°	191.2	193.0	194.0	195.4	195.8	196.2	196.5	197.6	197.2	196.5	197.2
172.5°	188.7	189.8	190.5	191.5	191.7	191.9	192.2	192.6	192.2	191.9	192.2
175°	186.6	187.6	188.0	188.3	188.5	188.7	188.7	189.0	188.7	188.0	188.7
177.5°	185.1	185.8	185.8	186.2	186.2	186.2	186.2	186.2	185.8	185.1	185.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1128.6	1123.3	1121.9	1123.3	1121.9	1122.6	1117.4	1098.1	1103.3	1095.1	1099.5
5°	1192.5	1188.1	1178.4	1176.9	1175.4	1173.9	1166.5	1149.4	1142.7	1131.5	1130.8
7.5°	1253.5	1253.5	1246.1	1240.9	1234.2	1229.0	1219.3	1194.0	1183.6	1170.2	1162.8
10°	1313.8	1294.4	1302.6	1297.4	1281.1	1278.1	1260.2	1245.4	1225.3	1211.9	1200.0
12.5°	1356.9	1351.0	1343.5	1339.1	1334.6	1325.0	1313.0	1275.1	1264.7	1237.9	1224.5
15°	1355.5	1351.7	1354.0	1354.0	1352.5	1350.2	1340.6	1313.0	1295.2	1269.2	1246.1
17.5°	1282.5	1292.2	1301.9	1308.6	1323.5	1330.2	1339.1	1322.7	1311.6	1289.2	1264.7
20°	1155.3	1179.1	1207.4	1213.4	1226.8	1266.2	1284.0	1298.2	1302.6	1295.2	1275.1
22.5°	978.3	998.4	1066.8	1065.3	1084.7	1131.5	1183.6	1226.0	1259.5	1278.1	1270.6
25°	766.3	794.5	831.0	858.5	921.7	991.7	1056.4	1124.1	1182.1	1233.4	1246.1
27.5°	579.5	616.7	645.7	682.2	714.2	796.8	880.1	985.7	1053.4	1150.9	1201.5
30°	468.7	485.8	514.8	531.9	547.5	610.8	705.3	809.4	928.4	1040.8	1127.8
32.5°	400.2	412.1	433.7	441.2	457.5	499.9	559.4	654.7	777.4	913.6	1028.1
35°	359.3	372.0	376.4	383.1	396.5	423.3	464.2	533.4	644.2	777.4	914.3
37.5°	324.4	331.1	343.7	348.2	352.6	372.7	400.2	448.6	522.2	631.6	783.4
40°	299.8	303.5	310.2	313.9	316.9	331.1	355.6	388.3	442.6	526.0	665.8
42.5°	273.8	278.2	282.7	287.2	290.9	302.0	316.9	348.2	384.6	447.8	549.0
45°	248.5	251.5	256.7	259.6	264.8	273.8	287.2	308.7	341.5	381.6	463.5
47.5°	225.4	229.1	231.4	235.1	238.8	248.5	261.1	275.3	302.0	341.5	401.0
50°	204.6	209.0	212.0	212.8	215.7	224.7	235.1	250.7	267.8	298.3	350.4
52.5°	189.7	190.4	192.7	195.7	194.9	200.1	209.8	221.7	239.5	264.1	302.0
55°	172.6	174.8	176.3	177.1	177.1	181.5	186.7	197.9	212.0	232.1	264.1
57.5°	151.0	153.3	157.7	159.2	161.4	163.7	165.9	173.3	185.2	204.6	230.6
60°	128.7	130.2	134.7	137.6	139.1	145.1	148.0	154.0	160.7	174.8	199.4
62.5°	103.4	104.9	107.1	110.1	113.1	122.0	129.4	135.4	140.6	150.3	170.4
65°	90.0	90.8	92.2	93.0	93.7	97.5	104.2	112.3	122.0	129.4	141.3
67.5°	78.1	78.9	79.6	81.1	81.8	82.6	85.6	87.8	97.5	107.9	116.8
70°	67.0	68.4	69.2	69.2	69.9	71.4	72.9	75.9	78.9	84.1	95.2
72.5°	56.5	57.3	58.8	58.8	58.8	60.3	61.7	63.2	64.7	67.7	72.2
75°	46.9	48.4	48.4	48.4	49.1	49.1	50.6	52.1	53.6	55.8	57.3
77.5°	38.7	38.7	38.7	38.7	39.4	39.4	40.2	41.7	42.4	43.1	44.6
80°	29.0	29.8	29.8	29.8	30.5	30.5	30.5	32.0	32.7	32.7	34.2
82.5°	21.6	21.6	21.6	22.3	21.6	22.3	22.3	23.1	22.3	23.1	23.8
85°	13.4	13.4	13.4	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.9
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.4	6.7	6.7
90°	11.7	11.7	11.7	11.6	11.4	10.7	11.4	11.7	12.1	11.7	9.6
92.5°	22.0	23.5	23.8	25.2	26.7	30.6	35.9	45.8	54.7	54.0	41.9
95°	41.2	44.1	48.7	52.6	56.5	71.4	93.1	121.9	139.3	123.3	82.1
97.5°	73.9	81.0	94.9	105.6	116.2	152.1	190.5	228.8	227.1	175.5	109.1
100°	143.9	159.2	188.7	210.2	231.7	280.4	324.4	331.9	280.7	193.3	116.6
102.5°	270.8	299.6	332.2	355.3	378.4	410.8	412.2	370.3	282.5	186.6	116.9
105°	420.7	442.8	464.8	470.6	476.5	471.9	431.7	357.8	263.3	177.3	118.7
107.5°	516.0	519.2	519.5	512.4	505.3	470.5	410.8	331.5	245.5	172.3	122.6
110°	542.3	535.5	520.2	505.6	491.1	445.6	382.0	307.0	233.5	170.9	127.6

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	535.2	522.7	500.0	482.8	465.5	416.1	355.7	290.0	225.6	171.3	132.9
115°	514.5	498.2	473.0	454.7	436.4	389.8	335.1	276.5	220.3	172.7	138.2
117.5°	488.6	471.2	445.2	427.8	410.4	367.1	318.0	267.2	217.5	174.8	143.9
120°	461.6	444.9	420.0	403.8	387.7	350.0	306.0	260.1	215.0	177.0	149.6
122.5°	437.4	421.1	399.4	385.2	371.0	335.8	296.4	254.1	213.6	179.4	154.6
125°	415.8	402.3	381.6	368.3	355.0	323.7	287.1	248.4	211.8	181.9	159.9
127.5°	397.3	384.5	366.4	354.0	341.5	311.6	277.9	243.1	210.7	184.4	164.9
130°	380.6	368.5	351.1	339.4	327.6	299.6	269.0	237.7	210.0	187.3	169.5
132.5°	364.2	352.1	335.1	324.2	313.4	288.2	260.5	233.5	209.7	190.1	174.1
135°	346.5	334.7	319.5	309.6	299.6	276.1	252.7	229.6	209.3	192.2	178.0
137.5°	328.3	318.0	303.5	294.6	285.7	266.5	246.3	226.7	209.3	194.4	181.2
140°	309.9	300.6	289.3	281.5	273.6	257.3	240.2	224.2	208.9	195.8	183.7
142.5°	293.9	285.7	275.0	268.8	262.6	249.1	235.2	221.7	208.9	196.9	185.8
145°	278.2	272.2	263.7	258.6	253.4	242.3	230.6	219.6	208.2	197.6	187.6
147.5°	265.8	260.8	253.4	249.4	245.5	236.7	227.1	217.5	207.2	197.9	188.7
150°	254.4	250.2	244.8	241.6	238.4	231.0	223.2	214.6	206.1	197.6	189.4
152.5°	245.2	241.6	237.7	235.0	232.4	226.4	219.2	212.1	204.3	196.9	189.8
155°	237.0	234.5	230.6	228.6	226.7	221.4	215.7	208.9	202.2	196.2	190.1
157.5°	229.2	227.1	224.2	222.6	221.0	216.4	211.4	206.1	200.1	194.7	190.1
160°	222.1	220.3	217.8	216.6	215.3	211.4	207.5	202.9	197.9	193.7	190.1
162.5°	215.3	214.3	211.8	210.9	210.0	206.8	203.6	200.1	196.2	192.6	189.8
165°	208.9	207.5	206.1	205.4	204.7	202.2	199.7	196.9	193.7	191.2	189.0
167.5°	202.5	201.8	201.1	200.4	199.7	197.9	195.8	193.7	191.5	189.8	188.7
170°	197.6	196.5	196.2	195.8	195.4	194.0	193.0	191.2	189.8	188.7	188.0
172.5°	192.6	192.2	191.9	191.7	191.5	190.5	189.8	188.7	187.6	187.3	186.9
175°	189.0	188.7	188.7	188.5	188.3	188.0	187.6	186.6	186.2	185.8	186.2
177.5°	186.2	186.2	186.2	186.2	186.2	185.8	185.8	185.1	184.8	185.1	185.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1092.8	1089.1	1089.1	1086.9	1086.9	1075.0	1075.0	1078.7	1074.2	1069.0	1061.6
5°	1121.1	1112.9	1110.7	1107.7	1098.1	1083.2	1077.2	1075.0	1066.1	1054.9	1042.3
7.5°	1147.9	1134.5	1127.8	1121.1	1108.5	1087.6	1075.7	1067.5	1054.2	1037.0	1020.7
10°	1173.9	1156.8	1139.7	1131.5	1113.7	1087.6	1070.5	1057.1	1037.8	1014.7	991.7
12.5°	1197.7	1162.0	1159.1	1142.7	1116.6	1086.9	1060.9	1041.5	1017.0	990.2	963.4
15°	1218.6	1182.1	1164.3	1149.4	1115.2	1078.0	1050.4	1026.6	993.9	963.4	930.7
17.5°	1229.0	1189.6	1177.7	1153.1	1118.1	1069.8	1032.6	1003.6	967.9	931.4	894.2
20°	1239.4	1193.3	1173.9	1156.8	1109.2	1054.2	1012.5	979.0	939.6	896.4	855.5
22.5°	1244.6	1193.3	1170.2	1146.4	1100.3	1037.0	987.9	948.5	902.4	858.5	809.4
25°	1235.7	1188.8	1161.3	1136.7	1084.7	1016.2	959.7	915.0	865.9	816.1	766.3
27.5°	1213.4	1178.4	1146.4	1121.1	1063.1	989.4	929.9	879.3	828.7	773.0	722.4
30°	1171.7	1156.1	1130.8	1102.5	1039.3	965.6	895.0	842.9	787.1	731.3	678.5
32.5°	1107.0	1120.4	1104.0	1079.5	1011.0	932.9	857.8	804.9	743.9	683.7	635.3
35°	1028.1	1075.7	1066.8	1049.7	981.3	897.9	822.8	758.8	697.8	636.8	588.5
37.5°	941.8	1014.0	1021.4	1011.0	947.0	862.2	779.6	717.2	654.7	592.9	543.8
40°	823.5	934.4	958.2	962.7	911.3	819.1	732.8	671.8	610.0	549.8	490.3
42.5°	714.9	854.8	884.5	903.1	865.9	776.7	689.6	621.9	560.9	506.6	447.1
45°	613.0	758.8	807.2	831.0	814.6	728.3	638.3	575.1	519.3	469.4	412.1
47.5°	508.1	654.7	722.4	760.3	760.3	679.2	589.2	526.7	473.1	430.7	380.2
50°	438.2	560.2	630.1	680.0	693.3	629.4	544.6	483.6	433.0	386.8	348.2
52.5°	373.5	482.8	540.8	592.9	631.6	575.8	494.7	439.7	389.8	346.7	316.2
55°	322.9	404.7	457.5	514.8	558.0	521.5	446.4	392.8	349.7	313.9	287.9
57.5°	274.5	345.9	389.1	439.7	485.8	458.3	398.0	351.9	313.9	282.7	259.6
60°	233.6	291.6	325.1	364.5	421.8	402.5	352.6	310.2	279.7	251.5	232.1
62.5°	198.6	244.8	273.0	301.3	353.4	344.4	305.8	273.0	247.0	223.2	206.8
65°	162.9	200.9	223.2	247.7	289.4	293.1	261.9	238.8	215.0	194.2	179.3
67.5°	131.7	161.4	181.5	202.4	235.8	246.2	224.7	205.3	185.2	168.1	154.7
70°	106.4	127.2	142.1	158.5	186.0	198.6	187.5	174.1	157.7	143.6	131.7
72.5°	84.1	97.5	106.4	119.0	141.3	154.0	153.3	141.3	129.4	119.8	110.1
75°	61.7	72.2	79.6	87.8	105.6	117.5	120.5	115.3	103.4	96.0	88.5
77.5°	46.9	52.8	56.5	62.5	75.1	85.6	90.0	88.5	80.3	74.4	69.2
80°	35.7	37.2	38.7	40.9	51.3	61.0	64.0	63.2	58.8	56.5	50.6
82.5°	25.3	26.0	26.8	27.5	31.2	39.4	42.4	43.9	40.2	37.9	32.7
85°	14.9	15.6	15.6	17.1	17.9	20.1	25.3	25.3	24.5	21.6	20.8
87.5°	7.4	7.4	6.7	6.7	7.4	8.2	9.7	11.2	9.7	8.9	8.2
90°	7.1	5.3	4.8	4.3	3.6	2.8	1.4	0.4	1.4	2.8	3.6
92.5°	28.4	18.8	16.8	14.9	12.1	10.3	7.5	5.3	7.5	10.3	12.1
95°	51.2	34.8	30.6	26.3	20.6	17.4	13.9	12.4	13.9	17.4	20.6
97.5°	66.1	45.1	40.3	35.5	29.1	24.5	20.6	18.5	20.6	24.5	29.1
100°	73.2	54.4	49.4	44.4	37.3	31.6	28.4	27.4	28.4	31.6	37.3
102.5°	79.6	62.5	57.6	52.6	45.1	39.4	36.2	35.5	36.2	39.4	45.1
105°	87.1	70.4	65.4	60.4	52.6	47.3	44.8	43.4	44.8	47.3	52.6
107.5°	94.5	78.2	73.2	68.2	60.4	55.4	52.9	51.9	52.9	55.4	60.4
110°	102.0	86.3	81.2	76.0	68.6	64.0	61.8	60.4	61.8	64.0	68.6

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	109.1	94.2	88.8	83.5	76.4	72.1	69.6	68.2	69.6	72.1	76.4
115°	116.6	101.3	96.5	91.7	84.6	80.3	78.2	76.4	78.2	80.3	84.6
117.5°	123.3	109.1	104.1	99.1	92.4	88.5	86.3	84.9	86.3	88.5	92.4
120°	130.4	116.6	111.6	106.6	99.5	96.3	94.2	92.7	94.2	96.3	99.5
122.5°	137.2	124.4	119.2	114.1	107.0	103.4	101.3	100.2	101.3	103.4	107.0
125°	143.9	131.1	126.2	121.2	114.1	109.8	107.7	106.6	107.7	109.8	114.1
127.5°	150.3	137.9	132.8	127.6	120.8	116.2	113.4	111.9	113.4	116.2	120.8
130°	156.0	143.6	138.6	133.6	126.5	121.5	118.0	116.6	118.0	121.5	126.5
132.5°	161.0	149.2	144.2	139.3	131.8	126.5	122.6	120.8	122.6	126.5	131.8
135°	165.6	154.2	149.2	144.3	136.1	130.8	126.5	125.1	126.5	130.8	136.1
137.5°	169.5	158.1	153.5	148.9	140.7	135.0	130.8	129.0	130.8	135.0	140.7
140°	172.7	162.0	157.4	152.8	145.0	139.3	135.0	133.6	135.0	139.3	145.0
142.5°	175.2	164.9	160.6	156.4	148.9	143.2	139.3	138.2	139.3	143.2	148.9
145°	177.7	168.1	164.2	160.3	153.2	147.8	144.3	142.8	144.3	147.8	153.2
147.5°	179.8	170.6	167.0	163.5	157.4	152.4	148.9	147.8	148.9	152.4	157.4
150°	181.2	173.1	169.9	166.7	161.3	156.7	153.9	152.8	153.9	156.7	161.3
152.5°	182.6	175.5	172.7	169.9	164.9	161.0	158.1	157.8	158.1	161.0	164.9
155°	184.1	178.0	175.4	172.7	168.8	164.9	162.7	162.4	162.7	164.9	168.8
157.5°	185.1	179.8	177.5	175.2	172.0	168.4	166.7	166.3	166.7	168.4	172.0
160°	185.8	181.6	179.6	177.7	174.8	172.0	170.6	170.2	170.6	172.0	174.8
162.5°	186.2	182.6	181.2	179.8	177.3	175.2	173.8	174.1	173.8	175.2	177.3
165°	186.6	183.4	182.3	181.2	179.4	177.3	176.6	177.0	176.6	177.3	179.4
167.5°	186.6	184.1	183.4	182.6	181.2	179.8	179.1	179.4	179.1	179.8	181.2
170°	186.2	184.4	183.9	183.4	182.6	181.6	181.2	181.9	181.2	181.6	182.6
172.5°	185.8	184.8	184.4	184.1	183.7	182.6	183.0	183.4	183.0	182.6	183.7
175°	185.5	184.8	184.6	184.4	184.4	183.7	184.1	184.4	184.1	183.7	184.4
177.5°	185.1	184.8	184.8	184.8	184.8	184.1	184.4	185.1	184.4	184.1	184.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1058.6	1059.4	1061.6	1054.9	1044.5	1040.0	1026.6	1024.4	1022.2	1022.2	1024.4
5°	1034.8	1031.8	1032.6	1019.9	1005.1	996.1	977.5	980.5	970.8	964.9	966.4
7.5°	1008.8	1000.6	999.9	983.5	964.9	948.5	929.2	924.7	915.8	905.4	900.9
10°	976.0	970.1	958.9	940.3	916.5	903.1	877.1	861.5	859.2	843.6	837.7
12.5°	942.6	932.2	921.0	895.0	868.2	846.6	827.3	810.1	798.2	784.9	775.9
15°	903.9	891.2	878.6	851.1	819.8	798.2	769.2	743.9	709.0	681.4	665.8
17.5°	861.5	847.3	830.2	799.7	769.2	739.5	685.9	656.2	631.6	615.2	605.6
20°	817.6	802.0	784.9	754.4	701.5	649.5	619.7	596.6	581.8	565.4	553.5
22.5°	771.5	755.1	736.5	688.9	633.1	596.6	573.6	552.0	530.4	521.5	515.5
25°	728.3	713.4	689.6	624.9	581.0	547.5	521.5	507.4	496.2	484.3	473.1
27.5°	683.7	656.2	622.7	568.4	540.8	506.6	488.0	477.6	458.3	450.1	444.9
30°	630.1	599.6	567.6	528.9	496.9	473.1	456.0	438.9	427.8	419.6	410.7
32.5°	575.8	546.8	526.7	486.5	462.7	438.2	421.8	411.4	395.0	389.8	386.1
35°	528.9	504.4	486.5	453.8	431.5	409.2	397.3	381.6	371.2	361.6	355.6
37.5°	482.8	469.4	450.8	423.3	399.5	381.6	365.3	360.1	345.9	340.7	334.8
40°	450.8	430.7	415.1	391.3	371.2	351.9	341.5	329.6	319.9	311.7	309.5
42.5°	412.1	397.3	388.3	362.3	341.5	330.3	317.7	304.3	296.8	290.1	282.0
45°	383.1	369.7	357.1	336.3	317.7	303.5	292.4	283.4	270.8	267.8	255.2
47.5°	352.6	339.2	329.6	308.7	291.6	278.2	270.0	258.1	247.7	241.0	235.1
50°	322.1	311.0	302.0	284.2	269.3	255.2	244.0	232.1	227.6	216.5	212.8
52.5°	293.1	285.7	276.0	258.9	244.0	232.1	220.2	210.5	203.8	197.9	193.4
55°	268.6	256.7	252.2	233.6	220.9	208.3	197.9	191.9	183.8	180.0	176.3
57.5°	241.0	234.3	226.9	212.8	198.6	186.7	179.3	170.4	165.9	161.4	158.5
60°	217.2	207.6	201.6	189.7	177.1	165.9	159.2	152.5	146.6	142.8	136.9
62.5°	189.7	182.3	178.5	165.9	155.5	145.1	139.1	132.4	128.0	121.3	113.8
65°	165.9	159.9	155.5	145.1	135.4	125.7	119.8	111.6	105.6	101.9	101.2
67.5°	145.1	140.6	133.9	124.2	114.6	107.1	100.4	93.7	93.0	91.5	91.5
70°	122.0	117.5	113.8	103.4	95.2	87.0	85.6	83.3	81.1	80.3	78.9
72.5°	101.9	98.2	93.7	84.8	76.6	74.4	72.9	71.4	69.2	68.4	67.7
75°	82.6	77.4	74.4	66.2	64.0	62.5	61.0	58.8	57.3	56.5	55.1
77.5°	63.2	58.0	58.0	53.6	52.1	49.8	48.4	46.9	46.1	44.6	44.6
80°	44.6	44.6	43.1	40.9	38.7	37.9	35.7	35.0	34.2	35.0	33.5
82.5°	32.7	29.8	29.8	28.3	26.8	26.0	24.5	24.5	23.8	23.8	23.8
85°	18.6	18.6	17.9	16.4	15.6	15.6	14.9	14.9	14.1	14.1	13.4
87.5°	7.4	6.7	7.4	6.7	6.7	6.0	6.0	6.0	5.2	6.0	5.2
90°	4.3	4.8	5.3	7.1	9.6	11.7	12.1	11.7	11.4	10.7	11.4
92.5°	14.9	16.8	18.8	28.4	41.9	54.0	54.7	45.8	35.9	30.6	26.7
95°	26.3	30.6	34.8	51.2	82.1	123.3	139.3	121.9	93.1	71.4	56.5
97.5°	35.5	40.3	45.1	66.1	109.1	175.5	227.1	228.8	190.5	152.1	116.2
100°	44.4	49.4	54.4	73.2	116.6	193.3	280.7	331.9	324.4	280.4	231.7
102.5°	52.6	57.6	62.5	79.6	116.9	186.6	282.5	370.3	412.2	410.8	378.4
105°	60.4	65.4	70.4	87.1	118.7	177.3	263.3	357.8	431.7	471.9	476.5
107.5°	68.2	73.2	78.2	94.5	122.6	172.3	245.5	331.5	410.8	470.5	505.3
110°	76.0	81.2	86.3	102.0	127.6	170.9	233.5	307.0	382.0	445.6	491.1

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	83.5	88.8	94.2	109.1	132.9	171.3	225.6	290.0	355.7	416.1	465.5
115°	91.7	96.5	101.3	116.6	138.2	172.7	220.3	276.5	335.1	389.8	436.4
117.5°	99.1	104.1	109.1	123.3	143.9	174.8	217.5	267.2	318.0	367.1	410.4
120°	106.6	111.6	116.6	130.4	149.6	177.0	215.0	260.1	306.0	350.0	387.7
122.5°	114.1	119.2	124.4	137.2	154.6	179.4	213.6	254.1	296.4	335.8	371.0
125°	121.2	126.2	131.1	143.9	159.9	181.9	211.8	248.4	287.1	323.7	355.0
127.5°	127.6	132.8	137.9	150.3	164.9	184.4	210.7	243.1	277.9	311.6	341.5
130°	133.6	138.6	143.6	156.0	169.5	187.3	210.0	237.7	269.0	299.6	327.6
132.5°	139.3	144.2	149.2	161.0	174.1	190.1	209.7	233.5	260.5	288.2	313.4
135°	144.3	149.2	154.2	165.6	178.0	192.2	209.3	229.6	252.7	276.1	299.6
137.5°	148.9	153.5	158.1	169.5	181.2	194.4	209.3	226.7	246.3	266.5	285.7
140°	152.8	157.4	162.0	172.7	183.7	195.8	208.9	224.2	240.2	257.3	273.6
142.5°	156.4	160.6	164.9	175.2	185.8	196.9	208.9	221.7	235.2	249.1	262.6
145°	160.3	164.2	168.1	177.7	187.6	197.6	208.2	219.6	230.6	242.3	253.4
147.5°	163.5	167.0	170.6	179.8	188.7	197.9	207.2	217.5	227.1	236.7	245.5
150°	166.7	169.9	173.1	181.2	189.4	197.6	206.1	214.6	223.2	231.0	238.4
152.5°	169.9	172.7	175.5	182.6	189.8	196.9	204.3	212.1	219.2	226.4	232.4
155°	172.7	175.4	178.0	184.1	190.1	196.2	202.2	208.9	215.7	221.4	226.7
157.5°	175.2	177.5	179.8	185.1	190.1	194.7	200.1	206.1	211.4	216.4	221.0
160°	177.7	179.6	181.6	185.8	190.1	193.7	197.9	202.9	207.5	211.4	215.3
162.5°	179.8	181.2	182.6	186.2	189.8	192.6	196.2	200.1	203.6	206.8	210.0
165°	181.2	182.3	183.4	186.6	189.0	191.2	193.7	196.9	199.7	202.2	204.7
167.5°	182.6	183.4	184.1	186.6	188.7	189.8	191.5	193.7	195.8	197.9	199.7
170°	183.4	183.9	184.4	186.2	188.0	188.7	189.8	191.2	193.0	194.0	195.4
172.5°	184.1	184.4	184.8	185.8	186.9	187.3	187.6	188.7	189.8	190.5	191.5
175°	184.4	184.6	184.8	185.5	186.2	185.8	186.2	186.6	187.6	188.0	188.3
177.5°	184.8	184.8	184.8	185.1	185.8	185.1	184.8	185.1	185.8	185.8	186.2
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1024.4	1022.9	1018.4	1019.9	1017.7	1017.7	1016.2	1016.2	1016.2	1019.9	1017.7
5°	968.6	963.4	958.2	956.0	953.7	951.5	951.5	950.8	957.4	956.0	961.9
7.5°	899.4	897.9	887.5	887.5	883.8	882.3	886.0	886.8	887.5	889.0	892.7
10°	837.7	834.0	819.1	820.6	818.3	815.4	817.6	816.1	821.3	822.8	821.3
12.5°	764.8	758.1	741.7	733.5	724.6	717.9	726.1	720.1	741.0	746.9	763.3
15°	668.1	655.4	644.2	644.2	636.1	630.1	633.8	640.5	645.0	651.7	654.7
17.5°	603.3	598.1	589.2	584.0	581.8	579.5	579.5	582.5	592.2	591.4	597.4
20°	548.3	545.3	540.8	534.1	531.9	530.4	530.4	530.4	537.1	543.1	546.8
22.5°	510.3	508.1	505.1	496.2	491.7	490.3	494.0	496.2	501.4	505.9	509.6
25°	472.4	467.2	462.0	459.0	456.8	456.8	458.3	459.0	461.2	463.5	467.9
27.5°	441.2	437.4	430.0	421.8	421.8	419.6	421.1	422.6	427.8	435.2	438.9
30°	406.2	405.4	402.5	399.5	396.5	395.0	398.0	400.2	401.0	404.7	404.7
32.5°	380.9	375.7	370.5	367.5	366.0	365.3	366.0	369.0	369.0	373.5	378.7
35°	355.6	352.6	347.4	342.2	340.7	337.0	340.0	343.0	348.2	350.4	352.6
37.5°	328.1	324.4	322.1	320.6	317.7	318.4	316.2	320.6	325.1	324.4	325.8
40°	307.2	300.6	293.9	293.1	292.4	291.6	291.6	292.4	295.3	298.3	302.8
42.5°	280.5	278.2	272.3	266.3	264.8	263.4	261.9	264.8	270.8	276.0	278.2
45°	252.9	250.0	248.5	244.0	241.0	240.3	238.8	242.5	247.7	250.0	251.5
47.5°	227.6	226.9	222.4	223.2	220.9	221.7	220.9	223.2	223.2	225.4	226.9
50°	210.5	208.3	206.1	204.6	202.4	202.4	201.6	202.4	205.3	208.3	207.6
52.5°	193.4	189.7	189.0	188.2	186.7	188.2	186.0	186.7	189.7	191.2	190.4
55°	173.3	172.6	171.1	169.6	168.9	168.1	168.1	168.1	171.1	173.3	174.1
57.5°	157.7	154.0	151.0	151.0	148.0	147.3	148.8	149.5	151.8	153.3	154.7
60°	136.1	134.7	130.2	128.0	123.5	122.7	122.7	125.7	129.4	134.7	136.1
62.5°	113.1	110.8	110.1	110.1	110.1	110.1	110.1	110.1	110.1	110.8	110.8
65°	100.4	101.2	100.4	99.7	100.4	100.4	99.7	99.7	99.7	100.4	101.2
67.5°	90.0	89.3	90.0	89.3	88.5	88.5	87.8	88.5	89.3	90.0	90.0
70°	78.1	78.1	77.4	78.1	77.4	76.6	75.9	75.9	77.4	78.1	78.1
72.5°	67.0	67.0	66.2	66.2	64.7	64.7	65.5	64.7	64.7	67.0	67.0
75°	55.8	55.1	54.3	54.3	53.6	53.6	53.6	52.8	54.3	54.3	55.1
77.5°	43.9	43.9	43.9	43.1	43.1	42.4	42.4	43.1	43.1	43.1	43.9
80°	33.5	33.5	33.5	32.7	32.0	32.0	32.0	32.0	32.0	32.7	32.0
82.5°	23.1	23.1	23.1	23.1	23.1	22.3	22.3	22.3	23.1	23.1	22.3
85°	14.1	13.4	14.1	14.1	13.4	14.1	13.4	13.4	12.6	12.6	13.4
87.5°	6.0	5.2	4.5	4.5	5.2	4.5	4.5	4.5	5.2	4.5	4.5
90°	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
92.5°	25.2	23.8	23.5	22.0	22.4	21.7	22.4	22.0	23.5	23.8	25.2
95°	52.6	48.7	44.1	41.2	40.2	40.5	40.2	41.2	44.1	48.7	52.6
97.5°	105.6	94.9	81.0	73.9	70.0	67.9	70.0	73.9	81.0	94.9	105.6
100°	210.2	188.7	159.2	143.9	133.6	127.2	133.6	143.9	159.2	188.7	210.2
102.5°	355.3	332.2	299.6	270.8	257.3	248.0	257.3	270.8	299.6	332.2	355.3
105°	470.6	464.8	442.8	420.7	405.4	400.5	405.4	420.7	442.8	464.8	470.6
107.5°	512.4	519.5	519.2	516.0	511.3	503.2	511.3	516.0	519.2	519.5	512.4
110°	505.6	520.2	535.5	542.3	545.5	545.1	545.5	542.3	535.5	520.2	505.6

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	482.8	500.0	522.7	535.2	541.9	544.4	541.9	535.2	522.7	500.0	482.8
115°	454.7	473.0	498.2	514.5	523.8	527.0	523.8	514.5	498.2	473.0	454.7
117.5°	427.8	445.2	471.2	488.6	498.2	500.7	498.2	488.6	471.2	445.2	427.8
120°	403.8	420.0	444.9	461.6	471.9	475.5	471.9	461.6	444.9	420.0	403.8
122.5°	385.2	399.4	421.1	437.4	446.3	449.2	446.3	437.4	421.1	399.4	385.2
125°	368.3	381.6	402.3	415.8	424.6	427.5	424.6	415.8	402.3	381.6	368.3
127.5°	354.0	366.4	384.5	397.3	405.1	407.2	405.1	397.3	384.5	366.4	354.0
130°	339.4	351.1	368.5	380.6	387.7	390.5	387.7	380.6	368.5	351.1	339.4
132.5°	324.2	335.1	352.1	364.2	370.6	373.1	370.6	364.2	352.1	335.1	324.2
135°	309.6	319.5	334.7	346.5	352.9	354.3	352.9	346.5	334.7	319.5	309.6
137.5°	294.6	303.5	318.0	328.3	334.0	336.2	334.0	328.3	318.0	303.5	294.6
140°	281.5	289.3	300.6	309.9	315.2	317.3	315.2	309.9	300.6	289.3	281.5
142.5°	268.8	275.0	285.7	293.9	298.5	298.5	298.5	293.9	285.7	275.0	268.8
145°	258.6	263.7	272.2	278.2	281.8	282.9	281.8	278.2	272.2	263.7	258.6
147.5°	249.4	253.4	260.8	265.8	268.3	269.0	268.3	265.8	260.8	253.4	249.4
150°	241.6	244.8	250.2	254.4	256.6	256.9	256.6	254.4	250.2	244.8	241.6
152.5°	235.0	237.7	241.6	245.2	246.6	246.6	246.6	245.2	241.6	237.7	235.0
155°	228.6	230.6	234.5	237.0	238.4	237.7	238.4	237.0	234.5	230.6	228.6
157.5°	222.6	224.2	227.1	229.2	229.9	229.9	229.9	229.2	227.1	224.2	222.6
160°	216.6	217.8	220.3	222.1	222.4	222.4	222.4	222.1	220.3	217.8	216.6
162.5°	210.9	211.8	214.3	215.3	215.7	215.3	215.7	215.3	214.3	211.8	210.9
165°	205.4	206.1	207.5	208.9	208.9	208.6	208.9	208.9	207.5	206.1	205.4
167.5°	200.4	201.1	201.8	202.5	202.5	202.2	202.5	202.5	201.8	201.1	200.4
170°	195.8	196.2	196.5	197.6	197.2	196.5	197.2	197.6	196.5	196.2	195.8
172.5°	191.7	191.9	192.2	192.6	192.2	191.9	192.2	192.6	192.2	191.9	191.7
175°	188.5	188.7	188.7	189.0	188.7	188.0	188.7	189.0	188.7	188.7	188.5
177.5°	186.2	186.2	186.2	186.2	185.8	185.1	185.8	186.2	186.2	186.2	186.2
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1019.9	1023.7	1022.2	1014.0	1022.2	1024.4	1028.9	1033.3	1036.3	1040.8	1044.5
5°	956.0	963.4	967.9	963.4	978.3	980.5	990.9	996.9	1005.8	1013.2	1019.2
7.5°	895.7	901.7	910.6	912.1	921.0	931.4	946.3	961.2	975.3	982.7	989.4
10°	831.0	841.4	854.8	851.8	865.2	881.6	897.2	921.0	932.9	946.3	958.2
12.5°	766.3	773.0	790.8	796.8	816.1	828.7	850.3	865.2	895.0	910.6	921.0
15°	653.2	680.7	703.0	729.8	755.1	778.9	798.2	825.0	851.1	863.0	880.1
17.5°	601.8	614.5	627.9	641.3	674.0	716.4	750.6	779.6	802.0	817.6	837.7
20°	548.3	560.9	575.8	588.5	608.5	639.0	681.4	731.3	758.1	774.4	793.8
22.5°	510.3	522.2	531.9	543.1	558.7	581.0	613.0	674.8	710.5	730.5	747.7
25°	469.4	484.3	494.7	502.9	515.5	540.1	566.1	601.1	665.1	680.7	704.5
27.5°	441.2	445.6	457.5	470.2	482.8	496.2	523.0	552.7	595.9	630.1	659.1
30°	407.7	418.8	430.0	435.2	446.4	465.7	482.1	514.1	547.5	574.3	609.3
32.5°	382.4	389.1	396.5	409.2	419.6	433.0	449.3	476.1	504.4	521.5	548.3
35°	354.1	358.6	374.2	379.4	389.8	403.2	419.6	440.4	470.9	484.3	503.6
37.5°	327.3	337.7	342.2	354.1	363.8	377.2	389.1	412.9	433.0	448.6	466.4
40°	306.5	311.0	319.1	329.6	337.7	348.2	363.0	380.2	401.7	414.4	430.0
42.5°	281.2	284.9	295.3	301.3	314.7	324.4	333.3	354.1	373.5	383.1	398.8
45°	253.7	262.6	269.3	281.2	288.6	300.6	311.7	326.6	344.4	355.6	364.5
47.5°	229.9	238.8	245.5	256.7	268.6	273.8	285.7	301.3	317.7	326.6	339.2
50°	210.5	213.5	226.2	231.4	244.0	254.4	262.6	276.0	293.9	299.1	309.5
52.5°	191.9	194.2	202.4	209.0	220.2	229.1	239.5	252.2	267.1	275.3	283.4
55°	175.6	177.1	180.8	188.2	195.7	206.8	216.5	228.4	241.0	250.0	257.4
57.5°	157.0	159.9	162.9	167.4	174.8	185.2	195.7	206.8	217.2	223.2	232.9
60°	135.4	139.9	145.1	150.3	155.5	162.9	174.8	185.2	194.9	200.1	207.6
62.5°	112.3	121.3	125.7	131.7	136.1	142.8	151.8	163.7	170.4	177.1	183.0
65°	101.2	101.9	102.7	108.6	116.8	123.5	131.7	140.6	151.0	155.5	159.9
67.5°	90.0	90.8	92.2	93.0	96.0	103.4	112.3	122.0	130.2	133.2	137.6
70°	78.9	78.9	81.8	82.6	83.3	84.1	91.5	101.2	108.6	112.3	117.5
72.5°	67.0	67.7	69.2	69.9	71.4	72.9	75.1	80.3	89.3	93.0	98.9
75°	55.1	55.8	56.5	57.3	59.5	60.3	62.5	65.5	69.2	73.6	77.4
77.5°	43.9	43.9	44.6	46.1	47.6	48.4	50.6	52.1	53.6	55.8	58.8
80°	32.7	33.5	33.5	35.0	35.0	35.7	36.5	38.7	40.2	41.7	43.1
82.5°	22.3	23.8	23.8	23.8	24.5	25.3	26.0	26.0	27.5	28.3	30.5
85°	13.4	14.1	14.1	14.1	13.4	14.9	14.9	15.6	15.6	15.6	16.4
87.5°	5.2	4.5	5.2	5.2	5.2	6.0	5.2	5.2	6.0	6.7	6.7
90°	11.4	10.7	11.4	11.7	12.1	11.7	9.6	7.1	5.3	4.8	4.3
92.5°	26.7	30.6	35.9	45.8	54.7	54.0	41.9	28.4	18.8	16.8	14.9
95°	56.5	71.4	93.1	121.9	139.3	123.3	82.1	51.2	34.8	30.6	26.3
97.5°	116.2	152.1	190.5	228.8	227.1	175.5	109.1	66.1	45.1	40.3	35.5
100°	231.7	280.4	324.4	331.9	280.7	193.3	116.6	73.2	54.4	49.4	44.4
102.5°	378.4	410.8	412.2	370.3	282.5	186.6	116.9	79.6	62.5	57.6	52.6
105°	476.5	471.9	431.7	357.8	263.3	177.3	118.7	87.1	70.4	65.4	60.4
107.5°	505.3	470.5	410.8	331.5	245.5	172.3	122.6	94.5	78.2	73.2	68.2
110°	491.1	445.6	382.0	307.0	233.5	170.9	127.6	102.0	86.3	81.2	76.0

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	465.5	416.1	355.7	290.0	225.6	171.3	132.9	109.1	94.2	88.8	83.5
115°	436.4	389.8	335.1	276.5	220.3	172.7	138.2	116.6	101.3	96.5	91.7
117.5°	410.4	367.1	318.0	267.2	217.5	174.8	143.9	123.3	109.1	104.1	99.1
120°	387.7	350.0	306.0	260.1	215.0	177.0	149.6	130.4	116.6	111.6	106.6
122.5°	371.0	335.8	296.4	254.1	213.6	179.4	154.6	137.2	124.4	119.2	114.1
125°	355.0	323.7	287.1	248.4	211.8	181.9	159.9	143.9	131.1	126.2	121.2
127.5°	341.5	311.6	277.9	243.1	210.7	184.4	164.9	150.3	137.9	132.8	127.6
130°	327.6	299.6	269.0	237.7	210.0	187.3	169.5	156.0	143.6	138.6	133.6
132.5°	313.4	288.2	260.5	233.5	209.7	190.1	174.1	161.0	149.2	144.2	139.3
135°	299.6	276.1	252.7	229.6	209.3	192.2	178.0	165.6	154.2	149.2	144.3
137.5°	285.7	266.5	246.3	226.7	209.3	194.4	181.2	169.5	158.1	153.5	148.9
140°	273.6	257.3	240.2	224.2	208.9	195.8	183.7	172.7	162.0	157.4	152.8
142.5°	262.6	249.1	235.2	221.7	208.9	196.9	185.8	175.2	164.9	160.6	156.4
145°	253.4	242.3	230.6	219.6	208.2	197.6	187.6	177.7	168.1	164.2	160.3
147.5°	245.5	236.7	227.1	217.5	207.2	197.9	188.7	179.8	170.6	167.0	163.5
150°	238.4	231.0	223.2	214.6	206.1	197.6	189.4	181.2	173.1	169.9	166.7
152.5°	232.4	226.4	219.2	212.1	204.3	196.9	189.8	182.6	175.5	172.7	169.9
155°	226.7	221.4	215.7	208.9	202.2	196.2	190.1	184.1	178.0	175.4	172.7
157.5°	221.0	216.4	211.4	206.1	200.1	194.7	190.1	185.1	179.8	177.5	175.2
160°	215.3	211.4	207.5	202.9	197.9	193.7	190.1	185.8	181.6	179.6	177.7
162.5°	210.0	206.8	203.6	200.1	196.2	192.6	189.8	186.2	182.6	181.2	179.8
165°	204.7	202.2	199.7	196.9	193.7	191.2	189.0	186.6	183.4	182.3	181.2
167.5°	199.7	197.9	195.8	193.7	191.5	189.8	188.7	186.6	184.1	183.4	182.6
170°	195.4	194.0	193.0	191.2	189.8	188.7	188.0	186.2	184.4	183.9	183.4
172.5°	191.5	190.5	189.8	188.7	187.6	187.3	186.9	185.8	184.8	184.4	184.1
175°	188.3	188.0	187.6	186.6	186.2	185.8	186.2	185.5	184.8	184.6	184.4
177.5°	186.2	185.8	185.8	185.1	184.8	185.1	185.8	185.1	184.8	184.8	184.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1070.5	1070.5	1070.5	1070.5
2.5°	1051.2	1049.0	1062.3	1077.2
5°	1029.6	1033.3	1050.4	1071.3
7.5°	1007.3	1015.5	1035.6	1063.1
10°	976.0	990.9	1021.4	1049.7
12.5°	945.5	965.6	994.6	1028.1
15°	911.3	933.6	969.3	1009.5
17.5°	873.4	898.7	940.3	984.2
20°	833.2	866.7	910.6	958.2
22.5°	788.6	828.7	874.1	926.9
25°	745.4	789.3	834.7	895.7
27.5°	703.0	746.2	796.8	858.5
30°	660.6	700.0	754.4	820.6
32.5°	615.2	656.2	713.4	781.1
35°	573.6	614.5	668.1	735.0
37.5°	528.9	572.8	624.2	693.3
40°	476.9	528.2	578.0	644.2
42.5°	433.7	488.0	536.4	598.9
45°	399.5	450.8	491.0	552.0
47.5°	367.5	409.2	450.1	506.6
50°	337.0	369.0	411.4	462.0
52.5°	305.8	333.3	369.7	417.3
55°	277.5	303.5	336.3	372.7
57.5°	251.5	270.0	302.8	335.5
60°	222.4	241.8	267.1	294.6
62.5°	197.9	212.8	236.6	259.6
65°	171.8	186.0	203.8	225.4
67.5°	148.0	160.7	174.8	191.9
70°	126.5	136.1	146.6	161.4
72.5°	103.4	113.8	123.5	135.4
75°	84.8	89.3	97.5	105.6
77.5°	65.5	71.4	75.9	82.6
80°	46.9	52.1	53.6	58.8
82.5°	31.2	34.2	37.2	38.7
85°	17.9	19.3	22.3	23.1
87.5°	6.7	7.4	8.9	10.4
90°	3.6	2.8	1.4	0.4
92.5°	12.1	10.3	7.5	5.3
95°	20.6	17.4	13.9	12.4
97.5°	29.1	24.5	20.6	18.5
100°	37.3	31.6	28.4	27.4
102.5°	45.1	39.4	36.2	35.5
105°	52.6	47.3	44.8	43.4
107.5°	60.4	55.4	52.9	51.9
110°	68.6	64.0	61.8	60.4

TEST NUMBER: P1009986

CATALOG NUMBER: S122RDIP-B485D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	76.4	72.1	69.6	68.2
115°	84.6	80.3	78.2	76.4
117.5°	92.4	88.5	86.3	84.9
120°	99.5	96.3	94.2	92.7
122.5°	107.0	103.4	101.3	100.2
125°	114.1	109.8	107.7	106.6
127.5°	120.8	116.2	113.4	111.9
130°	126.5	121.5	118.0	116.6
132.5°	131.8	126.5	122.6	120.8
135°	136.1	130.8	126.5	125.1
137.5°	140.7	135.0	130.8	129.0
140°	145.0	139.3	135.0	133.6
142.5°	148.9	143.2	139.3	138.2
145°	153.2	147.8	144.3	142.8
147.5°	157.4	152.4	148.9	147.8
150°	161.3	156.7	153.9	152.8
152.5°	164.9	161.0	158.1	157.8
155°	168.8	164.9	162.7	162.4
157.5°	172.0	168.4	166.7	166.3
160°	174.8	172.0	170.6	170.2
162.5°	177.3	175.2	173.8	174.1
165°	179.4	177.3	176.6	177.0
167.5°	181.2	179.8	179.1	179.4
170°	182.6	181.6	181.2	181.9
172.5°	183.7	182.6	183.0	183.4
175°	184.4	183.7	184.1	184.4
177.5°	184.8	184.1	184.4	185.1
180°	184.8	184.8	184.8	184.8

(END OF REPORT)