

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: P999739

Luminaire Tested: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P999739
REPORT IS A COMBINATION OF REPORTS P988294 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

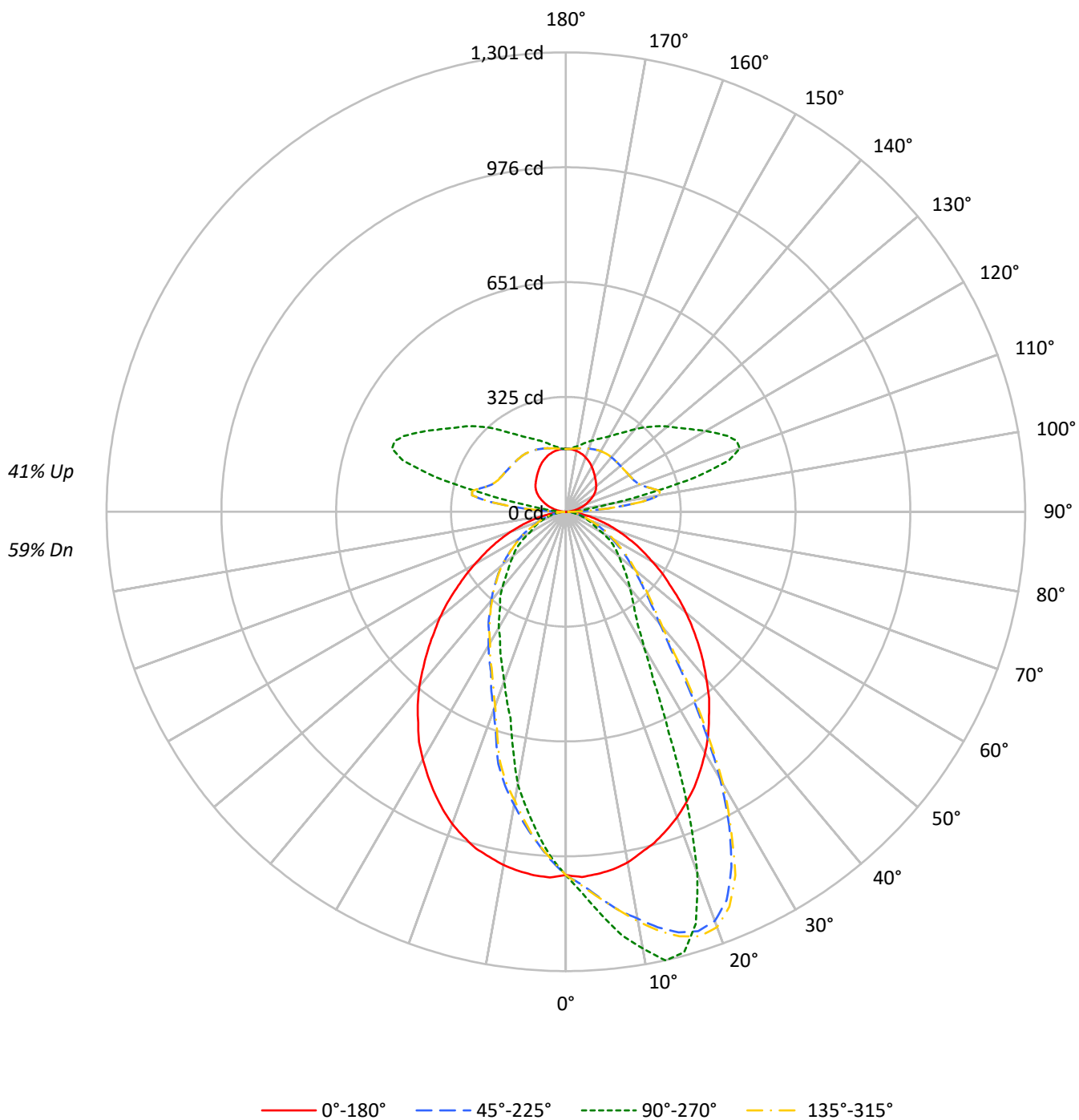
Lumens per Lamp: N/A
Luminaire Lumens: 3017.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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	52	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	28	25	30	26	23	27	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16287	16287	16287	16287
5°	16324	17299	16381	13820
10°	16144	18284	16259	11412
15°	15794	18290	16062	8573
20°	15373	15118	15707	7073
25°	14861	9446	15182	6017
30°	14209	6048	14596	5181
35°	13416	4648	13851	4433
40°	12532	3907	13066	3878
45°	11586	3325	12071	3255
50°	10618	2826	11113	2816
55°	9545	2455	10059	2424
60°	8591	1872	9046	1850
65°	7700	1409	8159	1598
70°	6721	1125	7245	1302
75°	5678	861	6198	986
80°	4511	587	4854	645
85°	3136	303	3433	320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 14898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	3.2
10°-20°	272.4	9.0
20°-30°	350.6	11.6
30°-40°	332.6	11.0
40°-50°	285.0	9.4
50°-60°	217.1	7.2
60°-70°	136.9	4.5
70°-80°	68.3	2.3
80°-90°	18.7	0.6
90°-100°	69.3	2.3
100°-110°	244.0	8.1
110°-120°	256.3	8.5
120°-130°	210.8	7.0
130°-140°	169.4	5.6
140°-150°	127.9	4.2
150°-160°	89.9	3.0
160°-170°	52.9	1.8
170°-180°	17.2	0.6
0°-30°	720.6	23.9
0°-40°	1053.1	34.9
0°-60°	1555.3	51.6
0°-90°	1779.1	59.0
90°-120°	569.6	18.9
90°-150°	1077.7	35.7
90°-180°	1238.0	41.0
0°-180°	3017.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1029	1029	1029	1029	1029	
5°	1030	1145	1033	914	1030	98
15°	970	1292	987	606	970	273
25°	861	689	879	439	861	395
35°	706	340	729	324	706	442
45°	530	236	553	231	530	409
55°	358	164	378	162	358	323
65°	217	85	230	96	217	215
75°	102	45	111	52	102	110
85°	22	13	24	14	22	25
90°	0	11	0	11	0	2
95°	12	39	12	39	12	12
105°	42	385	42	385	42	44
115°	74	507	74	507	74	73
125°	102	411	102	411	102	91
135°	120	341	120	341	120	93
145°	137	272	137	272	137	86
155°	156	229	156	229	156	72
165°	170	201	170	201	170	48
175°	177	181	177	181	177	17
180°	178	178	178	178	178	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1035.3	1039.6	1041.7	1044.6	1051.0	1055.3	1061.8	1063.2	1062.5	1065.3	1057.5
5°	1029.6	1038.9	1047.5	1054.6	1066.0	1073.2	1081.1	1090.3	1092.5	1103.2	1096.8
7.5°	1021.7	1035.3	1047.5	1061.8	1078.9	1088.2	1100.4	1114.7	1121.1	1134.0	1137.5
10°	1008.8	1028.1	1048.9	1063.9	1087.5	1103.9	1115.4	1138.3	1153.3	1172.6	1169.7
12.5°	988.1	1013.1	1041.0	1066.0	1096.8	1107.5	1129.0	1152.6	1171.9	1189.7	1205.5
15°	970.2	998.8	1029.6	1060.3	1095.4	1115.4	1136.8	1167.6	1188.3	1219.8	1233.3
17.5°	945.9	982.4	1018.9	1053.2	1094.6	1117.5	1144.0	1174.0	1204.7	1234.8	1245.5
20°	920.9	960.2	999.5	1046.0	1093.2	1115.4	1142.5	1179.7	1209.8	1233.3	1233.3
22.5°	890.9	938.8	983.8	1028.1	1079.6	1111.8	1139.7	1183.3	1204.7	1209.8	1190.4
25°	860.8	908.7	958.1	1013.1	1071.8	1100.4	1131.8	1172.6	1179.7	1159.7	1109.7
27.5°	825.1	878.7	934.5	993.8	1055.3	1091.1	1119.7	1146.8	1133.2	1079.6	1001.7
30°	788.6	846.5	909.5	965.9	1040.3	1073.2	1097.5	1105.4	1062.5	975.2	874.4
32.5°	750.7	807.2	873.7	941.6	1016.7	1048.2	1063.9	1043.2	964.5	854.4	731.4
35°	706.4	770.0	839.4	910.2	984.5	1008.1	1017.4	966.7	865.8	723.6	601.3
37.5°	666.4	730.0	804.4	876.6	948.8	961.7	952.4	873.0	745.0	604.2	484.8
40°	619.2	687.1	760.0	840.8	900.2	903.7	880.9	777.9	619.2	486.9	413.3
42.5°	575.6	644.2	717.1	799.4	844.4	832.2	801.5	666.4	516.9	419.7	360.4
45°	530.5	595.6	674.2	747.2	779.3	750.7	704.3	560.5	434.0	361.1	315.3
47.5°	486.9	547.7	625.6	695.7	701.4	669.2	614.2	469.7	376.1	317.5	280.3
50°	444.0	504.8	577.7	635.6	629.9	585.6	523.4	408.3	326.7	280.3	249.5
52.5°	401.1	456.2	526.9	572.7	548.4	505.5	444.0	346.1	285.3	244.5	220.9
55°	358.2	409.7	470.5	508.4	469.7	420.4	376.8	296.7	247.4	214.5	196.6
57.5°	322.5	363.2	419.0	441.9	395.4	356.8	318.9	255.2	214.5	190.9	170.2
60°	283.1	320.3	366.1	379.7	331.8	300.3	268.1	215.9	183.8	163.0	149.4
62.5°	249.5	280.3	315.3	315.3	273.1	249.5	225.2	180.9	154.4	138.0	131.6
65°	216.6	238.8	263.8	261.0	225.2	204.5	185.2	149.4	129.4	118.0	111.5
67.5°	184.5	201.6	218.1	208.1	182.3	164.4	146.6	120.8	107.2	99.4	90.8
70°	155.2	168.7	177.3	168.0	142.3	127.3	114.4	97.2	86.5	76.5	71.5
72.5°	130.1	135.8	138.7	127.3	105.8	97.2	87.9	75.8	66.5	61.5	60.1
75°	101.5	106.5	104.4	95.8	77.9	71.5	64.3	55.8	53.6	50.8	49.3
77.5°	79.4	79.4	75.8	67.9	55.8	50.8	47.9	43.6	41.5	40.8	39.3
80°	56.5	55.8	53.6	45.0	37.9	35.0	35.0	32.2	31.5	30.0	30.0
82.5°	37.2	37.2	34.3	27.2	25.0	24.3	23.6	22.2	22.2	21.4	21.4
85°	22.2	20.7	17.2	15.0	14.3	14.3	13.6	12.9	13.6	12.9	12.9
87.5°	10.0	7.9	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
90°	0.3	1.4	2.7	3.4	4.1	4.6	5.1	6.8	9.2	11.3	11.6
92.5°	5.1	7.2	9.9	11.6	14.4	16.2	18.1	27.3	40.3	52.0	52.6
95°	12.0	13.3	16.7	19.8	25.3	29.4	33.5	49.2	79.0	118.6	134.0
97.5°	17.8	19.8	23.6	28.0	34.2	38.8	43.4	63.6	104.9	168.9	218.4
100°	26.3	27.3	30.4	35.9	42.7	47.5	52.3	70.4	112.1	186.0	270.0
102.5°	34.2	34.9	37.9	43.4	50.6	55.4	60.2	76.6	112.5	179.5	271.8
105°	41.7	43.1	45.5	50.6	58.1	62.9	67.7	83.7	114.2	170.6	253.3
107.5°	49.9	50.9	53.3	58.1	65.6	70.4	75.2	90.9	117.9	165.8	236.2
110°	58.1	59.5	61.5	66.0	73.2	78.2	83.1	98.1	122.7	164.4	224.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.6	67.0	69.4	73.5	80.3	85.4	90.6	104.9	127.8	164.8	217.1
115°	73.5	75.2	77.3	81.4	88.2	92.8	97.4	112.1	133.0	166.1	211.9
117.5°	81.7	83.1	85.1	88.9	95.4	100.2	104.9	118.6	138.4	168.2	209.2
120°	89.2	90.6	92.6	95.7	102.5	107.3	112.1	125.5	143.9	170.2	206.8
122.5°	96.4	97.4	99.5	102.9	109.7	114.6	119.6	131.9	148.7	172.6	205.4
125°	102.5	103.6	105.6	109.7	116.6	121.4	126.1	138.4	153.8	175.0	203.7
127.5°	107.7	109.0	111.8	116.2	122.7	127.6	132.6	144.6	158.6	177.4	202.7
130°	112.1	113.5	116.9	121.7	128.5	133.3	138.1	150.1	163.1	180.1	202.0
132.5°	116.2	117.9	121.7	126.8	134.0	138.8	143.6	154.8	167.5	182.9	201.7
135°	120.3	121.7	125.8	130.9	138.8	143.6	148.4	159.3	171.3	184.9	201.3
137.5°	124.1	125.8	129.9	135.4	143.2	147.6	152.1	163.1	174.3	187.0	201.3
140°	128.5	129.9	134.0	139.5	147.0	151.4	155.9	166.1	176.7	188.3	201.0
142.5°	133.0	134.0	137.8	143.2	150.4	154.5	158.6	168.5	178.8	189.4	201.0
145°	137.4	138.8	142.2	147.3	154.2	158.0	161.7	170.9	180.5	190.1	200.3
147.5°	142.2	143.2	146.6	151.4	157.2	160.6	164.1	173.0	181.5	190.4	199.3
150°	147.0	148.0	150.7	155.2	160.3	163.4	166.5	174.3	182.2	190.1	198.3
152.5°	151.8	152.1	154.8	158.6	163.4	166.2	168.9	175.7	182.5	189.4	196.6
155°	156.2	156.6	158.6	162.4	166.1	168.7	171.3	177.1	182.9	188.7	194.5
157.5°	160.0	160.3	162.0	165.4	168.5	170.8	173.0	178.1	182.9	187.3	192.4
160°	163.7	164.1	165.4	168.2	170.9	172.8	174.7	178.8	182.9	186.3	190.4
162.5°	167.5	167.2	168.5	170.6	173.0	174.4	175.7	179.1	182.5	185.3	188.7
165°	170.2	169.9	170.6	172.6	174.3	175.4	176.4	179.5	181.9	183.9	186.3
167.5°	172.6	172.3	173.0	174.3	175.7	176.4	177.1	179.5	181.5	182.5	184.2
170°	175.0	174.3	174.7	175.7	176.4	176.9	177.4	179.1	180.8	181.5	182.5
172.5°	176.4	176.0	175.7	176.7	177.1	177.4	177.8	178.8	179.8	180.1	180.5
175°	177.4	177.1	176.7	177.4	177.4	177.6	177.8	178.4	179.1	178.8	179.1
177.5°	178.1	177.4	177.1	177.8	177.8	177.8	177.8	178.1	178.8	178.1	177.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1065.3	1066.8	1068.9	1078.9	1080.3	1083.2	1081.8	1081.8	1082.5	1081.1	1081.8
5°	1111.1	1113.2	1124.0	1136.1	1139.0	1136.1	1139.7	1144.7	1144.7	1144.7	1143.3
7.5°	1154.0	1161.8	1174.0	1191.9	1195.5	1199.0	1205.5	1201.2	1202.6	1209.0	1206.9
10°	1195.5	1206.9	1220.5	1235.5	1243.4	1248.4	1251.2	1257.7	1272.7	1255.5	1261.9
12.5°	1234.8	1251.2	1265.5	1282.0	1287.7	1294.1	1296.3	1302.0	1302.0	1301.3	1306.3
15°	1260.5	1275.5	1288.4	1299.1	1300.6	1299.1	1297.7	1298.4	1300.6	1292.0	1297.0
17.5°	1266.2	1267.7	1272.0	1267.7	1268.4	1253.4	1244.8	1242.6	1222.6	1223.3	1239.8
20°	1238.4	1214.0	1207.6	1184.0	1169.7	1131.1	1129.7	1118.9	1076.8	1089.6	1086.8
22.5°	1161.8	1120.4	1065.3	1038.2	1024.6	983.8	952.4	930.2	915.2	900.2	893.7
25°	1061.0	993.8	915.9	862.3	854.4	816.5	758.6	731.4	699.3	689.2	706.4
27.5°	930.9	843.7	755.7	673.5	658.5	624.2	594.9	575.6	538.4	536.2	537.7
30°	754.3	666.4	592.7	539.1	501.9	486.2	466.9	452.6	437.6	443.3	444.7
32.5°	619.9	536.2	467.6	439.0	421.8	411.8	395.4	386.1	379.7	377.5	376.8
35°	492.6	436.9	406.1	378.2	368.2	361.1	348.9	344.6	338.9	339.6	339.6
37.5°	421.8	375.4	352.5	338.2	328.9	325.3	317.5	313.2	309.6	308.2	310.3
40°	363.9	331.8	317.5	304.6	296.7	295.3	291.0	286.0	281.7	282.4	284.6
42.5°	321.7	303.2	286.0	276.0	270.3	268.1	264.5	261.0	261.0	258.8	258.1
45°	288.1	273.1	258.8	249.5	246.0	243.1	238.8	238.1	235.2	235.9	236.7
47.5°	258.1	246.0	235.2	225.9	222.4	221.6	217.4	214.5	214.5	213.8	213.1
50°	230.9	218.8	209.5	204.5	199.5	198.1	197.3	196.6	195.2	195.2	195.9
52.5°	208.8	196.6	189.5	185.2	182.3	180.9	180.9	180.2	180.2	180.2	179.5
55°	184.5	174.5	168.7	167.3	165.9	165.2	164.4	163.0	162.3	163.7	162.3
57.5°	161.6	158.0	153.0	151.6	148.0	148.0	145.9	144.4	143.0	144.4	144.4
60°	143.7	138.7	135.8	131.6	128.7	125.8	122.3	121.5	120.1	119.4	118.7
62.5°	125.1	120.8	113.7	107.2	103.0	100.1	98.7	98.0	98.0	97.2	97.2
65°	104.4	94.4	90.8	88.7	87.9	87.2	85.8	85.1	85.8	85.1	85.8
67.5°	81.5	80.1	77.9	76.5	75.8	75.1	75.1	74.4	74.4	74.4	74.4
70°	70.8	67.2	66.5	65.1	65.1	64.3	64.3	64.3	64.3	63.6	65.1
72.5°	58.6	56.5	55.8	55.1	55.1	55.1	54.3	54.3	54.3	53.6	54.3
75°	47.9	47.2	45.8	45.8	45.0	45.8	45.0	45.0	44.3	45.0	45.0
77.5°	38.6	37.9	37.2	37.2	36.5	36.5	36.5	36.5	36.5	36.5	37.2
80°	29.3	28.6	27.9	28.6	27.9	28.6	27.9	27.9	28.6	27.9	27.9
82.5°	21.4	20.7	20.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
85°	12.9	12.2	12.2	12.9	12.2	12.9	12.2	12.2	12.2	12.9	12.9
87.5°	5.7	6.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.4
90°	11.3	10.9	10.3	10.9	11.1	11.3	11.3	11.3	11.3	11.3	11.3
92.5°	44.1	34.5	29.4	25.6	24.2	22.9	22.6	21.2	21.5	20.9	21.5
95°	117.2	89.6	68.7	54.4	50.6	46.8	42.4	39.7	38.6	39.0	38.6
97.5°	220.1	183.2	146.3	111.8	101.6	91.3	77.9	71.1	67.3	65.3	67.3
100°	319.3	312.1	269.7	222.9	202.2	181.5	153.1	138.4	128.5	122.4	128.5
102.5°	356.2	396.5	395.2	364.0	341.8	319.6	288.2	260.5	247.5	238.6	247.5
105°	344.2	415.3	453.9	458.4	452.8	447.1	425.9	404.7	390.0	385.2	390.0
107.5°	318.9	395.2	452.6	486.1	493.0	499.8	499.4	496.3	491.9	484.0	491.9
110°	295.3	367.5	428.7	472.4	486.4	500.4	515.1	521.6	524.7	524.4	524.7

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	278.9	342.2	400.3	447.8	464.4	481.0	502.8	514.8	521.3	523.7	521.3
115°	265.9	322.3	375.0	419.8	437.4	455.0	479.2	495.0	503.9	506.9	503.9
117.5°	257.1	305.9	353.1	394.8	411.6	428.3	453.3	470.0	479.2	481.6	479.2
120°	250.2	294.3	336.7	372.9	388.4	404.0	428.0	444.0	453.9	457.4	453.9
122.5°	244.4	285.1	323.0	356.9	370.5	384.2	405.1	420.8	429.3	432.1	429.3
125°	238.9	276.2	311.4	341.5	354.3	367.1	386.9	399.9	408.5	411.2	408.5
127.5°	233.8	267.3	299.8	328.5	340.4	352.4	369.9	382.2	389.7	391.7	389.7
130°	228.7	258.8	288.2	315.2	326.4	337.7	354.5	366.1	372.9	375.7	372.9
132.5°	224.6	250.6	277.2	301.5	311.9	322.3	338.8	350.4	356.5	358.9	356.5
135°	220.8	243.0	265.6	288.2	297.8	307.3	322.0	333.3	339.4	340.8	339.4
137.5°	218.1	236.9	256.4	274.8	283.4	291.9	305.9	315.8	321.3	323.4	321.3
140°	215.7	231.1	247.5	263.2	270.7	278.2	289.2	298.1	303.2	305.3	303.2
142.5°	213.3	226.3	239.6	252.6	258.6	264.6	274.8	282.7	287.1	287.1	287.1
145°	211.2	221.8	233.1	243.7	248.6	253.6	261.8	267.7	271.1	272.1	271.1
147.5°	209.2	218.4	227.7	236.2	240.0	243.7	250.9	255.7	258.1	258.8	258.1
150°	206.5	214.7	222.2	229.4	232.4	235.5	240.6	244.7	246.8	247.1	246.8
152.5°	204.1	210.9	217.7	223.6	226.2	228.7	232.4	235.9	237.2	237.2	237.2
155°	201.0	207.5	213.0	218.1	220.0	221.8	225.6	228.0	229.4	228.7	229.4
157.5°	198.3	203.4	208.2	212.6	214.2	215.7	218.4	220.5	221.2	221.2	221.2
160°	195.2	199.6	203.4	207.1	208.3	209.5	211.9	213.6	214.0	214.0	214.0
162.5°	192.4	195.9	198.9	202.0	202.8	203.7	206.1	207.1	207.5	207.1	207.5
165°	189.4	192.1	194.5	196.9	197.6	198.3	199.6	201.0	201.0	200.7	201.0
167.5°	186.3	188.3	190.4	192.1	192.8	193.5	194.2	194.8	194.8	194.5	194.8
170°	183.9	185.6	186.6	188.0	188.4	188.7	189.0	190.1	189.7	189.0	189.7
172.5°	181.5	182.5	183.2	184.2	184.4	184.6	184.9	185.3	184.9	184.6	184.9
175°	179.5	180.5	180.8	181.2	181.4	181.5	181.5	181.9	181.5	180.8	181.5
177.5°	178.1	178.8	178.8	179.1	179.1	179.1	179.1	179.1	178.8	178.1	178.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1084.6	1079.6	1078.2	1079.6	1078.2	1078.9	1073.9	1055.3	1060.3	1052.5	1056.7
5°	1146.1	1141.8	1132.5	1131.1	1129.7	1128.2	1121.1	1104.6	1098.2	1087.5	1086.8
7.5°	1204.7	1204.7	1197.6	1192.6	1186.2	1181.2	1171.9	1147.5	1137.5	1124.7	1117.5
10°	1262.7	1244.1	1251.9	1246.9	1231.2	1228.3	1211.2	1196.9	1177.6	1164.7	1153.3
12.5°	1304.1	1298.4	1291.3	1287.0	1282.7	1273.4	1261.9	1225.5	1215.5	1189.7	1176.9
15°	1302.7	1299.1	1301.3	1301.3	1299.8	1297.7	1288.4	1261.9	1244.8	1219.8	1197.6
17.5°	1232.6	1241.9	1251.2	1257.7	1272.0	1278.4	1287.0	1271.2	1260.5	1239.1	1215.5
20°	1110.4	1133.2	1160.4	1166.1	1179.0	1216.9	1234.1	1247.6	1251.9	1244.8	1225.5
22.5°	940.2	959.5	1025.3	1023.9	1042.4	1087.5	1137.5	1178.3	1210.5	1228.3	1221.2
25°	736.4	763.6	798.6	825.1	885.9	953.1	1015.3	1080.3	1136.1	1185.4	1197.6
27.5°	557.0	592.7	620.6	655.6	686.4	765.7	845.8	947.4	1012.4	1106.1	1154.7
30°	450.4	466.9	494.8	511.2	526.2	587.0	677.8	777.9	892.3	1000.3	1083.9
32.5°	384.7	396.1	416.8	424.0	439.7	480.5	537.7	629.2	747.2	878.0	988.1
35°	345.3	357.5	361.8	368.2	381.1	406.8	446.1	512.6	619.2	747.2	878.7
37.5°	311.7	318.2	330.3	334.6	338.9	358.2	384.7	431.1	501.9	607.0	752.9
40°	288.1	291.7	298.1	301.7	304.6	318.2	341.8	373.2	425.4	505.5	639.9
42.5°	263.1	267.4	271.7	276.0	279.6	290.3	304.6	334.6	369.6	430.4	527.7
45°	238.8	241.7	246.7	249.5	254.5	263.1	276.0	296.7	328.2	366.8	445.4
47.5°	216.6	220.2	222.4	225.9	229.5	238.8	251.0	264.5	290.3	328.2	385.4
50°	196.6	200.9	203.8	204.5	207.3	215.9	225.9	240.9	257.4	286.7	336.8
52.5°	182.3	183.0	185.2	188.0	187.3	192.3	201.6	213.1	230.2	253.8	290.3
55°	165.9	168.0	169.5	170.2	170.2	174.5	179.5	190.2	203.8	223.1	253.8
57.5°	145.1	147.3	151.6	153.0	155.2	157.3	159.4	166.6	178.0	196.6	221.6
60°	123.7	125.1	129.4	132.3	133.7	139.4	142.3	148.0	154.4	168.0	191.6
62.5°	99.4	100.8	103.0	105.8	108.7	117.3	124.4	130.1	135.1	144.4	163.7
65°	86.5	87.2	88.7	89.4	90.1	93.7	100.1	108.0	117.3	124.4	135.8
67.5°	75.1	75.8	76.5	77.9	78.6	79.4	82.2	84.4	93.7	103.7	112.3
70°	64.3	65.8	66.5	66.5	67.2	68.6	70.1	72.9	75.8	80.8	91.5
72.5°	54.3	55.1	56.5	56.5	56.5	57.9	59.3	60.8	62.2	65.1	69.4
75°	45.0	46.5	46.5	46.5	47.2	47.2	48.6	50.0	51.5	53.6	55.1
77.5°	37.2	37.2	37.2	37.2	37.9	37.9	38.6	40.0	40.8	41.5	42.9
80°	27.9	28.6	28.6	28.6	29.3	29.3	29.3	30.7	31.5	31.5	32.9
82.5°	20.7	20.7	20.7	21.4	20.7	21.4	21.4	22.2	21.4	22.2	22.9
85°	12.9	12.9	12.9	13.6	13.6	13.6	13.6	13.6	13.6	13.6	14.3
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.1	6.4	6.4
90°	11.3	11.3	11.3	11.1	10.9	10.3	10.9	11.3	11.6	11.3	9.2
92.5°	21.2	22.6	22.9	24.2	25.6	29.4	34.5	44.1	52.6	52.0	40.3
95°	39.7	42.4	46.8	50.6	54.4	68.7	89.6	117.2	134.0	118.6	79.0
97.5°	71.1	77.9	91.3	101.6	111.8	146.3	183.2	220.1	218.4	168.9	104.9
100°	138.4	153.1	181.5	202.2	222.9	269.7	312.1	319.3	270.0	186.0	112.1
102.5°	260.5	288.2	319.6	341.8	364.0	395.2	396.5	356.2	271.8	179.5	112.5
105°	404.7	425.9	447.1	452.8	458.4	453.9	415.3	344.2	253.3	170.6	114.2
107.5°	496.3	499.4	499.8	493.0	486.1	452.6	395.2	318.9	236.2	165.8	117.9
110°	521.6	515.1	500.4	486.4	472.4	428.7	367.5	295.3	224.6	164.4	122.7

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	514.8	502.8	481.0	464.4	447.8	400.3	342.2	278.9	217.1	164.8	127.8
115°	495.0	479.2	455.0	437.4	419.8	375.0	322.3	265.9	211.9	166.1	133.0
117.5°	470.0	453.3	428.3	411.6	394.8	353.1	305.9	257.1	209.2	168.2	138.4
120°	444.0	428.0	404.0	388.4	372.9	336.7	294.3	250.2	206.8	170.2	143.9
122.5°	420.8	405.1	384.2	370.5	356.9	323.0	285.1	244.4	205.4	172.6	148.7
125°	399.9	386.9	367.1	354.3	341.5	311.4	276.2	238.9	203.7	175.0	153.8
127.5°	382.2	369.9	352.4	340.4	328.5	299.8	267.3	233.8	202.7	177.4	158.6
130°	366.1	354.5	337.7	326.4	315.2	288.2	258.8	228.7	202.0	180.1	163.1
132.5°	350.4	338.8	322.3	311.9	301.5	277.2	250.6	224.6	201.7	182.9	167.5
135°	333.3	322.0	307.3	297.8	288.2	265.6	243.0	220.8	201.3	184.9	171.3
137.5°	315.8	305.9	291.9	283.4	274.8	256.4	236.9	218.1	201.3	187.0	174.3
140°	298.1	289.2	278.2	270.7	263.2	247.5	231.1	215.7	201.0	188.3	176.7
142.5°	282.7	274.8	264.6	258.6	252.6	239.6	226.3	213.3	201.0	189.4	178.8
145°	267.7	261.8	253.6	248.6	243.7	233.1	221.8	211.2	200.3	190.1	180.5
147.5°	255.7	250.9	243.7	240.0	236.2	227.7	218.4	209.2	199.3	190.4	181.5
150°	244.7	240.6	235.5	232.4	229.4	222.2	214.7	206.5	198.3	190.1	182.2
152.5°	235.9	232.4	228.7	226.2	223.6	217.7	210.9	204.1	196.6	189.4	182.5
155°	228.0	225.6	221.8	220.0	218.1	213.0	207.5	201.0	194.5	188.7	182.9
157.5°	220.5	218.4	215.7	214.2	212.6	208.2	203.4	198.3	192.4	187.3	182.9
160°	213.6	211.9	209.5	208.3	207.1	203.4	199.6	195.2	190.4	186.3	182.9
162.5°	207.1	206.1	203.7	202.8	202.0	198.9	195.9	192.4	188.7	185.3	182.5
165°	201.0	199.6	198.3	197.6	196.9	194.5	192.1	189.4	186.3	183.9	181.9
167.5°	194.8	194.2	193.5	192.8	192.1	190.4	188.3	186.3	184.2	182.5	181.5
170°	190.1	189.0	188.7	188.4	188.0	186.6	185.6	183.9	182.5	181.5	180.8
172.5°	185.3	184.9	184.6	184.4	184.2	183.2	182.5	181.5	180.5	180.1	179.8
175°	181.9	181.5	181.5	181.4	181.2	180.8	180.5	179.5	179.1	178.8	179.1
177.5°	179.1	179.1	179.1	179.1	179.1	178.8	178.8	178.1	177.8	178.1	178.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1050.3	1046.7	1046.7	1044.6	1044.6	1033.2	1033.2	1036.7	1032.4	1027.4	1020.3
5°	1077.5	1069.6	1067.5	1064.6	1055.3	1041.0	1035.3	1033.2	1024.6	1013.8	1001.7
7.5°	1103.2	1090.3	1083.9	1077.5	1065.3	1045.3	1033.9	1026.0	1013.1	996.7	981.0
10°	1128.2	1111.8	1095.4	1087.5	1070.3	1045.3	1028.9	1016.0	997.4	975.2	953.1
12.5°	1151.1	1116.8	1113.9	1098.2	1073.2	1044.6	1019.6	1001.0	977.4	951.6	925.9
15°	1171.1	1136.1	1118.9	1104.6	1071.8	1036.0	1009.6	986.7	955.2	925.9	894.4
17.5°	1181.2	1143.3	1131.8	1108.2	1074.6	1028.1	992.4	964.5	930.2	895.2	859.4
20°	1191.2	1146.8	1128.2	1111.8	1066.0	1013.1	973.1	940.9	903.0	861.6	822.2
22.5°	1196.2	1146.8	1124.7	1101.8	1057.5	996.7	949.5	911.6	867.3	825.1	777.9
25°	1187.6	1142.5	1116.1	1092.5	1042.4	976.7	922.3	879.4	832.2	784.3	736.4
27.5°	1166.1	1132.5	1101.8	1077.5	1021.7	950.9	893.7	845.1	796.5	742.9	694.2
30°	1126.1	1111.1	1086.8	1059.6	998.8	928.0	860.1	810.1	756.5	702.8	652.1
32.5°	1063.9	1076.8	1061.0	1037.4	971.7	896.6	824.4	773.6	715.0	657.1	610.6
35°	988.1	1033.9	1025.3	1008.8	943.1	863.0	790.8	729.3	670.7	612.0	565.6
37.5°	905.2	974.5	981.7	971.7	910.2	828.7	749.3	689.2	629.2	569.8	522.7
40°	791.5	898.0	920.9	925.2	875.9	787.2	704.3	645.6	586.3	528.4	471.2
42.5°	687.1	821.5	850.1	868.0	832.2	746.4	662.8	597.7	539.1	486.9	429.7
45°	589.1	729.3	775.8	798.6	782.9	700.0	613.5	552.7	499.1	451.2	396.1
47.5°	488.3	629.2	694.2	730.7	730.7	652.8	566.3	506.2	454.7	414.0	365.4
50°	421.1	538.4	605.6	653.5	666.4	604.9	523.4	464.7	416.1	371.8	334.6
52.5°	358.9	464.0	519.8	569.8	607.0	553.4	475.5	422.6	374.7	333.2	303.9
55°	310.3	389.0	439.7	494.8	536.2	501.2	429.0	377.5	336.0	301.7	276.7
57.5°	263.8	332.5	373.9	422.6	466.9	440.4	382.5	338.2	301.7	271.7	249.5
60°	224.5	280.3	312.4	350.3	405.4	386.8	338.9	298.1	268.8	241.7	223.1
62.5°	190.9	235.2	262.4	289.6	339.6	331.0	293.9	262.4	237.4	214.5	198.8
65°	156.6	193.0	214.5	238.1	278.1	281.7	251.7	229.5	206.6	186.6	172.3
67.5°	126.6	155.2	174.5	194.5	226.6	236.7	215.9	197.3	178.0	161.6	148.7
70°	102.2	122.3	136.6	152.3	178.7	190.9	180.2	167.3	151.6	138.0	126.6
72.5°	80.8	93.7	102.2	114.4	135.8	148.0	147.3	135.8	124.4	115.1	105.8
75°	59.3	69.4	76.5	84.4	101.5	113.0	115.8	110.8	99.4	92.2	85.1
77.5°	45.0	50.8	54.3	60.1	72.2	82.2	86.5	85.1	77.2	71.5	66.5
80°	34.3	35.7	37.2	39.3	49.3	58.6	61.5	60.8	56.5	54.3	48.6
82.5°	24.3	25.0	25.7	26.5	30.0	37.9	40.8	42.2	38.6	36.5	31.5
85°	14.3	15.0	15.0	16.4	17.2	19.3	24.3	24.3	23.6	20.7	20.0
87.5°	7.1	7.1	6.4	6.4	7.1	7.9	9.3	10.7	9.3	8.6	7.9
90°	6.8	5.1	4.6	4.1	3.4	2.7	1.4	0.3	1.4	2.7	3.4
92.5°	27.3	18.1	16.2	14.4	11.6	9.9	7.2	5.1	7.2	9.9	11.6
95°	49.2	33.5	29.4	25.3	19.8	16.7	13.3	12.0	13.3	16.7	19.8
97.5°	63.6	43.4	38.8	34.2	28.0	23.6	19.8	17.8	19.8	23.6	28.0
100°	70.4	52.3	47.5	42.7	35.9	30.4	27.3	26.3	27.3	30.4	35.9
102.5°	76.6	60.2	55.4	50.6	43.4	37.9	34.9	34.2	34.9	37.9	43.4
105°	83.7	67.7	62.9	58.1	50.6	45.5	43.1	41.7	43.1	45.5	50.6
107.5°	90.9	75.2	70.4	65.6	58.1	53.3	50.9	49.9	50.9	53.3	58.1
110°	98.1	83.1	78.2	73.2	66.0	61.5	59.5	58.1	59.5	61.5	66.0

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	104.9	90.6	85.4	80.3	73.5	69.4	67.0	65.6	67.0	69.4	73.5
115°	112.1	97.4	92.8	88.2	81.4	77.3	75.2	73.5	75.2	77.3	81.4
117.5°	118.6	104.9	100.2	95.4	88.9	85.1	83.1	81.7	83.1	85.1	88.9
120°	125.5	112.1	107.3	102.5	95.7	92.6	90.6	89.2	90.6	92.6	95.7
122.5°	131.9	119.6	114.6	109.7	102.9	99.5	97.4	96.4	97.4	99.5	102.9
125°	138.4	126.1	121.4	116.6	109.7	105.6	103.6	102.5	103.6	105.6	109.7
127.5°	144.6	132.6	127.6	122.7	116.2	111.8	109.0	107.7	109.0	111.8	116.2
130°	150.1	138.1	133.3	128.5	121.7	116.9	113.5	112.1	113.5	116.9	121.7
132.5°	154.8	143.6	138.8	134.0	126.8	121.7	117.9	116.2	117.9	121.7	126.8
135°	159.3	148.4	143.6	138.8	130.9	125.8	121.7	120.3	121.7	125.8	130.9
137.5°	163.1	152.1	147.6	143.2	135.4	129.9	125.8	124.1	125.8	129.9	135.4
140°	166.1	155.9	151.4	147.0	139.5	134.0	129.9	128.5	129.9	134.0	139.5
142.5°	168.5	158.6	154.5	150.4	143.2	137.8	134.0	133.0	134.0	137.8	143.2
145°	170.9	161.7	158.0	154.2	147.3	142.2	138.8	137.4	138.8	142.2	147.3
147.5°	173.0	164.1	160.6	157.2	151.4	146.6	143.2	142.2	143.2	146.6	151.4
150°	174.3	166.5	163.4	160.3	155.2	150.7	148.0	147.0	148.0	150.7	155.2
152.5°	175.7	168.9	166.2	163.4	158.6	154.8	152.1	151.8	152.1	154.8	158.6
155°	177.1	171.3	168.7	166.1	162.4	158.6	156.6	156.2	156.6	158.6	162.4
157.5°	178.1	173.0	170.8	168.5	165.4	162.0	160.3	160.0	160.3	162.0	165.4
160°	178.8	174.7	172.8	170.9	168.2	165.4	164.1	163.7	164.1	165.4	168.2
162.5°	179.1	175.7	174.4	173.0	170.6	168.5	167.2	167.5	167.2	168.5	170.6
165°	179.5	176.4	175.4	174.3	172.6	170.6	169.9	170.2	169.9	170.6	172.6
167.5°	179.5	177.1	176.4	175.7	174.3	173.0	172.3	172.6	172.3	173.0	174.3
170°	179.1	177.4	176.9	176.4	175.7	174.7	174.3	175.0	174.3	174.7	175.7
172.5°	178.8	177.8	177.4	177.1	176.7	175.7	176.0	176.4	176.0	175.7	176.7
175°	178.4	177.8	177.6	177.4	177.4	176.7	177.1	177.4	177.1	176.7	177.4
177.5°	178.1	177.8	177.8	177.8	177.8	177.1	177.4	178.1	177.4	177.1	177.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1017.4	1018.1	1020.3	1013.8	1003.8	999.5	986.7	984.5	982.4	982.4	984.5
5°	994.5	991.7	992.4	980.2	965.9	957.4	939.5	942.3	933.1	927.3	928.8
7.5°	969.5	961.7	960.9	945.2	927.3	911.6	893.0	888.7	880.1	870.1	865.8
10°	938.1	932.3	921.6	903.7	880.9	868.0	843.0	828.0	825.8	810.8	805.1
12.5°	905.9	895.9	885.1	860.1	834.4	813.7	795.1	778.6	767.2	754.3	745.7
15°	868.7	856.6	844.4	817.9	787.9	767.2	739.3	715.0	681.4	654.9	639.9
17.5°	828.0	814.4	797.9	768.6	739.3	710.7	659.2	630.6	607.0	591.3	582.0
20°	785.8	770.8	754.3	725.0	674.2	624.2	595.6	573.4	559.1	543.4	531.9
22.5°	741.4	725.7	707.8	662.1	608.5	573.4	551.3	530.5	509.8	501.2	495.5
25°	700.0	685.7	662.8	600.6	558.4	526.2	501.2	487.6	476.9	465.5	454.7
27.5°	657.1	630.6	598.4	546.2	519.8	486.9	469.0	459.0	440.4	432.6	427.6
30°	605.6	576.3	545.5	508.4	477.6	454.7	438.3	421.8	411.1	403.3	394.7
32.5°	553.4	525.5	506.2	467.6	444.7	421.1	405.4	395.4	379.7	374.7	371.1
35°	508.4	484.8	467.6	436.1	414.7	393.2	381.8	366.8	356.8	347.5	341.8
37.5°	464.0	451.2	433.3	406.8	383.9	366.8	351.1	346.1	332.5	327.5	321.7
40°	433.3	414.0	399.0	376.1	356.8	338.2	328.2	316.7	307.4	299.6	297.4
42.5°	396.1	381.8	373.2	348.2	328.2	317.5	305.3	292.4	285.3	278.8	271.0
45°	368.2	355.3	343.2	323.2	305.3	291.7	281.0	272.4	260.3	257.4	245.2
47.5°	338.9	326.0	316.7	296.7	280.3	267.4	259.5	248.1	238.1	231.7	225.9
50°	309.6	298.9	290.3	273.1	258.8	245.2	234.5	223.1	218.8	208.1	204.5
52.5°	281.7	274.6	265.3	248.8	234.5	223.1	211.6	202.3	195.9	190.2	185.9
55°	258.1	246.7	242.4	224.5	212.4	200.2	190.2	184.5	176.6	173.0	169.5
57.5°	231.7	225.2	218.1	204.5	190.9	179.5	172.3	163.7	159.4	155.2	152.3
60°	208.8	199.5	193.8	182.3	170.2	159.4	153.0	146.6	140.9	137.3	131.6
62.5°	182.3	175.2	171.6	159.4	149.4	139.4	133.7	127.3	123.0	116.5	109.4
65°	159.4	153.7	149.4	139.4	130.1	120.8	115.1	107.2	101.5	98.0	97.2
67.5°	139.4	135.1	128.7	119.4	110.1	103.0	96.5	90.1	89.4	87.9	87.9
70°	117.3	113.0	109.4	99.4	91.5	83.7	82.2	80.1	77.9	77.2	75.8
72.5°	98.0	94.4	90.1	81.5	73.6	71.5	70.1	68.6	66.5	65.8	65.1
75°	79.4	74.4	71.5	63.6	61.5	60.1	58.6	56.5	55.1	54.3	52.9
77.5°	60.8	55.8	55.8	51.5	50.0	47.9	46.5	45.0	44.3	42.9	42.9
80°	42.9	42.9	41.5	39.3	37.2	36.5	34.3	33.6	32.9	33.6	32.2
82.5°	31.5	28.6	28.6	27.2	25.7	25.0	23.6	23.6	22.9	22.9	22.9
85°	17.9	17.9	17.2	15.7	15.0	15.0	14.3	14.3	13.6	13.6	12.9
87.5°	7.1	6.4	7.1	6.4	6.4	5.7	5.7	5.7	5.0	5.7	5.0
90°	4.1	4.6	5.1	6.8	9.2	11.3	11.6	11.3	10.9	10.3	10.9
92.5°	14.4	16.2	18.1	27.3	40.3	52.0	52.6	44.1	34.5	29.4	25.6
95°	25.3	29.4	33.5	49.2	79.0	118.6	134.0	117.2	89.6	68.7	54.4
97.5°	34.2	38.8	43.4	63.6	104.9	168.9	218.4	220.1	183.2	146.3	111.8
100°	42.7	47.5	52.3	70.4	112.1	186.0	270.0	319.3	312.1	269.7	222.9
102.5°	50.6	55.4	60.2	76.6	112.5	179.5	271.8	356.2	396.5	395.2	364.0
105°	58.1	62.9	67.7	83.7	114.2	170.6	253.3	344.2	415.3	453.9	458.4
107.5°	65.6	70.4	75.2	90.9	117.9	165.8	236.2	318.9	395.2	452.6	486.1
110°	73.2	78.2	83.1	98.1	122.7	164.4	224.6	295.3	367.5	428.7	472.4

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	80.3	85.4	90.6	104.9	127.8	164.8	217.1	278.9	342.2	400.3	447.8
115°	88.2	92.8	97.4	112.1	133.0	166.1	211.9	265.9	322.3	375.0	419.8
117.5°	95.4	100.2	104.9	118.6	138.4	168.2	209.2	257.1	305.9	353.1	394.8
120°	102.5	107.3	112.1	125.5	143.9	170.2	206.8	250.2	294.3	336.7	372.9
122.5°	109.7	114.6	119.6	131.9	148.7	172.6	205.4	244.4	285.1	323.0	356.9
125°	116.6	121.4	126.1	138.4	153.8	175.0	203.7	238.9	276.2	311.4	341.5
127.5°	122.7	127.6	132.6	144.6	158.6	177.4	202.7	233.8	267.3	299.8	328.5
130°	128.5	133.3	138.1	150.1	163.1	180.1	202.0	228.7	258.8	288.2	315.2
132.5°	134.0	138.8	143.6	154.8	167.5	182.9	201.7	224.6	250.6	277.2	301.5
135°	138.8	143.6	148.4	159.3	171.3	184.9	201.3	220.8	243.0	265.6	288.2
137.5°	143.2	147.6	152.1	163.1	174.3	187.0	201.3	218.1	236.9	256.4	274.8
140°	147.0	151.4	155.9	166.1	176.7	188.3	201.0	215.7	231.1	247.5	263.2
142.5°	150.4	154.5	158.6	168.5	178.8	189.4	201.0	213.3	226.3	239.6	252.6
145°	154.2	158.0	161.7	170.9	180.5	190.1	200.3	211.2	221.8	233.1	243.7
147.5°	157.2	160.6	164.1	173.0	181.5	190.4	199.3	209.2	218.4	227.7	236.2
150°	160.3	163.4	166.5	174.3	182.2	190.1	198.3	206.5	214.7	222.2	229.4
152.5°	163.4	166.2	168.9	175.7	182.5	189.4	196.6	204.1	210.9	217.7	223.6
155°	166.1	168.7	171.3	177.1	182.9	188.7	194.5	201.0	207.5	213.0	218.1
157.5°	168.5	170.8	173.0	178.1	182.9	187.3	192.4	198.3	203.4	208.2	212.6
160°	170.9	172.8	174.7	178.8	182.9	186.3	190.4	195.2	199.6	203.4	207.1
162.5°	173.0	174.4	175.7	179.1	182.5	185.3	188.7	192.4	195.9	198.9	202.0
165°	174.3	175.4	176.4	179.5	181.9	183.9	186.3	189.4	192.1	194.5	196.9
167.5°	175.7	176.4	177.1	179.5	181.5	182.5	184.2	186.3	188.3	190.4	192.1
170°	176.4	176.9	177.4	179.1	180.8	181.5	182.5	183.9	185.6	186.6	188.0
172.5°	177.1	177.4	177.8	178.8	179.8	180.1	180.5	181.5	182.5	183.2	184.2
175°	177.4	177.6	177.8	178.4	179.1	178.8	179.1	179.5	180.5	180.8	181.2
177.5°	177.8	177.8	177.8	178.1	178.8	178.1	177.8	178.1	178.8	178.8	179.1
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	984.5	983.1	978.8	980.2	978.1	978.1	976.7	976.7	976.7	980.2	978.1
5°	930.9	925.9	920.9	918.8	916.6	914.5	914.5	913.7	920.2	918.8	924.5
7.5°	864.4	863.0	853.0	853.0	849.4	848.0	851.5	852.3	853.0	854.4	858.0
10°	805.1	801.5	787.2	788.6	786.5	783.6	785.8	784.3	789.3	790.8	789.3
12.5°	735.0	728.6	712.8	705.0	696.4	690.0	697.8	692.1	712.1	717.8	733.6
15°	642.1	629.9	619.2	619.2	611.3	605.6	609.2	615.6	619.9	626.3	629.2
17.5°	579.9	574.8	566.3	561.3	559.1	557.0	557.0	559.8	569.1	568.4	574.1
20°	526.9	524.1	519.8	513.4	511.2	509.8	509.8	509.8	516.2	521.9	525.5
22.5°	490.5	488.3	485.5	476.9	472.6	471.2	474.7	476.9	481.9	486.2	489.8
25°	454.0	449.0	444.0	441.1	439.0	439.0	440.4	441.1	443.3	445.4	449.7
27.5°	424.0	420.4	413.3	405.4	405.4	403.3	404.7	406.1	411.1	418.3	421.8
30°	390.4	389.7	386.8	383.9	381.1	379.7	382.5	384.7	385.4	389.0	389.0
32.5°	366.1	361.1	356.1	353.2	351.8	351.1	351.8	354.6	354.6	358.9	363.9
35°	341.8	338.9	333.9	328.9	327.5	323.9	326.7	329.6	334.6	336.8	338.9
37.5°	315.3	311.7	309.6	308.2	305.3	306.0	303.9	308.2	312.4	311.7	313.2
40°	295.3	288.9	282.4	281.7	281.0	280.3	280.3	281.0	283.8	286.7	291.0
42.5°	269.5	267.4	261.7	256.0	254.5	253.1	251.7	254.5	260.3	265.3	267.4
45°	243.1	240.2	238.8	234.5	231.7	230.9	229.5	233.1	238.1	240.2	241.7
47.5°	218.8	218.1	213.8	214.5	212.4	213.1	212.4	214.5	214.5	216.6	218.1
50°	202.3	200.2	198.1	196.6	194.5	194.5	193.8	194.5	197.3	200.2	199.5
52.5°	185.9	182.3	181.6	180.9	179.5	180.9	178.7	179.5	182.3	183.8	183.0
55°	166.6	165.9	164.4	163.0	162.3	161.6	161.6	161.6	164.4	166.6	167.3
57.5°	151.6	148.0	145.1	145.1	142.3	141.6	143.0	143.7	145.9	147.3	148.7
60°	130.8	129.4	125.1	123.0	118.7	118.0	118.0	120.8	124.4	129.4	130.8
62.5°	108.7	106.5	105.8	105.8	105.8	105.8	105.8	105.8	105.8	106.5	106.5
65°	96.5	97.2	96.5	95.8	96.5	96.5	95.8	95.8	95.8	96.5	97.2
67.5°	86.5	85.8	86.5	85.8	85.1	85.1	84.4	85.1	85.8	86.5	86.5
70°	75.1	75.1	74.4	75.1	74.4	73.6	72.9	72.9	74.4	75.1	75.1
72.5°	64.3	64.3	63.6	63.6	62.2	62.2	62.9	62.2	62.2	64.3	64.3
75°	53.6	52.9	52.2	52.2	51.5	51.5	51.5	50.8	52.2	52.2	52.9
77.5°	42.2	42.2	42.2	41.5	41.5	40.8	40.8	41.5	41.5	41.5	42.2
80°	32.2	32.2	32.2	31.5	30.7	30.7	30.7	30.7	30.7	31.5	30.7
82.5°	22.2	22.2	22.2	22.2	22.2	21.4	21.4	21.4	22.2	22.2	21.4
85°	13.6	12.9	13.6	13.6	12.9	13.6	12.9	12.9	12.2	12.2	12.9
87.5°	5.7	5.0	4.3	4.3	5.0	4.3	4.3	4.3	5.0	4.3	4.3
90°	11.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.1
92.5°	24.2	22.9	22.6	21.2	21.5	20.9	21.5	21.2	22.6	22.9	24.2
95°	50.6	46.8	42.4	39.7	38.6	39.0	38.6	39.7	42.4	46.8	50.6
97.5°	101.6	91.3	77.9	71.1	67.3	65.3	67.3	71.1	77.9	91.3	101.6
100°	202.2	181.5	153.1	138.4	128.5	122.4	128.5	138.4	153.1	181.5	202.2
102.5°	341.8	319.6	288.2	260.5	247.5	238.6	247.5	260.5	288.2	319.6	341.8
105°	452.8	447.1	425.9	404.7	390.0	385.2	390.0	404.7	425.9	447.1	452.8
107.5°	493.0	499.8	499.4	496.3	491.9	484.0	491.9	496.3	499.4	499.8	493.0
110°	486.4	500.4	515.1	521.6	524.7	524.4	524.7	521.6	515.1	500.4	486.4

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	464.4	481.0	502.8	514.8	521.3	523.7	521.3	514.8	502.8	481.0	464.4
115°	437.4	455.0	479.2	495.0	503.9	506.9	503.9	495.0	479.2	455.0	437.4
117.5°	411.6	428.3	453.3	470.0	479.2	481.6	479.2	470.0	453.3	428.3	411.6
120°	388.4	404.0	428.0	444.0	453.9	457.4	453.9	444.0	428.0	404.0	388.4
122.5°	370.5	384.2	405.1	420.8	429.3	432.1	429.3	420.8	405.1	384.2	370.5
125°	354.3	367.1	386.9	399.9	408.5	411.2	408.5	399.9	386.9	367.1	354.3
127.5°	340.4	352.4	369.9	382.2	389.7	391.7	389.7	382.2	369.9	352.4	340.4
130°	326.4	337.7	354.5	366.1	372.9	375.7	372.9	366.1	354.5	337.7	326.4
132.5°	311.9	322.3	338.8	350.4	356.5	358.9	356.5	350.4	338.8	322.3	311.9
135°	297.8	307.3	322.0	333.3	339.4	340.8	339.4	333.3	322.0	307.3	297.8
137.5°	283.4	291.9	305.9	315.8	321.3	323.4	321.3	315.8	305.9	291.9	283.4
140°	270.7	278.2	289.2	298.1	303.2	305.3	303.2	298.1	289.2	278.2	270.7
142.5°	258.6	264.6	274.8	282.7	287.1	287.1	287.1	282.7	274.8	264.6	258.6
145°	248.6	253.6	261.8	267.7	271.1	272.1	271.1	267.7	261.8	253.6	248.6
147.5°	240.0	243.7	250.9	255.7	258.1	258.8	258.1	255.7	250.9	243.7	240.0
150°	232.4	235.5	240.6	244.7	246.8	247.1	246.8	244.7	240.6	235.5	232.4
152.5°	226.2	228.7	232.4	235.9	237.2	237.2	237.2	235.9	232.4	228.7	226.2
155°	220.0	221.8	225.6	228.0	229.4	228.7	229.4	228.0	225.6	221.8	220.0
157.5°	214.2	215.7	218.4	220.5	221.2	221.2	221.2	220.5	218.4	215.7	214.2
160°	208.3	209.5	211.9	213.6	214.0	214.0	214.0	213.6	211.9	209.5	208.3
162.5°	202.8	203.7	206.1	207.1	207.5	207.1	207.5	207.1	206.1	203.7	202.8
165°	197.6	198.3	199.6	201.0	201.0	200.7	201.0	201.0	199.6	198.3	197.6
167.5°	192.8	193.5	194.2	194.8	194.8	194.5	194.8	194.8	194.2	193.5	192.8
170°	188.4	188.7	189.0	190.1	189.7	189.0	189.7	190.1	189.0	188.7	188.4
172.5°	184.4	184.6	184.9	185.3	184.9	184.6	184.9	185.3	184.9	184.6	184.4
175°	181.4	181.5	181.5	181.9	181.5	180.8	181.5	181.9	181.5	181.5	181.4
177.5°	179.1	179.1	179.1	179.1	178.8	178.1	178.8	179.1	179.1	179.1	179.1
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	980.2	983.8	982.4	974.5	982.4	984.5	988.8	993.1	996.0	1000.3	1003.8
5°	918.8	925.9	930.2	925.9	940.2	942.3	952.4	958.1	966.7	973.8	979.5
7.5°	860.8	866.6	875.1	876.6	885.1	895.2	909.5	923.8	937.3	944.5	950.9
10°	798.6	808.6	821.5	818.7	831.5	847.3	862.3	885.1	896.6	909.5	920.9
12.5°	736.4	742.9	760.0	765.7	784.3	796.5	817.2	831.5	860.1	875.1	885.1
15°	627.8	654.2	675.7	701.4	725.7	748.6	767.2	792.9	817.9	829.4	845.8
17.5°	578.4	590.6	603.4	616.3	647.8	688.5	721.4	749.3	770.8	785.8	805.1
20°	526.9	539.1	553.4	565.6	584.9	614.2	654.9	702.8	728.6	744.3	762.9
22.5°	490.5	501.9	511.2	521.9	537.0	558.4	589.1	648.5	682.8	702.1	718.6
25°	451.2	465.5	475.5	483.3	495.5	519.1	544.1	577.7	639.2	654.2	677.1
27.5°	424.0	428.3	439.7	451.9	464.0	476.9	502.6	531.2	572.7	605.6	633.5
30°	391.8	402.5	413.3	418.3	429.0	447.6	463.3	494.1	526.2	552.0	585.6
32.5°	367.5	373.9	381.1	393.2	403.3	416.1	431.9	457.6	484.8	501.2	526.9
35°	340.3	344.6	359.6	364.6	374.7	387.5	403.3	423.3	452.6	465.5	484.0
37.5°	314.6	324.6	328.9	340.3	349.6	362.5	373.9	396.8	416.1	431.1	448.3
40°	294.6	298.9	306.7	316.7	324.6	334.6	348.9	365.4	386.1	398.2	413.3
42.5°	270.3	273.8	283.8	289.6	302.4	311.7	320.3	340.3	358.9	368.2	383.2
45°	243.8	252.4	258.8	270.3	277.4	288.9	299.6	313.9	331.0	341.8	350.3
47.5°	220.9	229.5	235.9	246.7	258.1	263.1	274.6	289.6	305.3	313.9	326.0
50°	202.3	205.2	217.4	222.4	234.5	244.5	252.4	265.3	282.4	287.4	297.4
52.5°	184.5	186.6	194.5	200.9	211.6	220.2	230.2	242.4	256.7	264.5	272.4
55°	168.7	170.2	173.7	180.9	188.0	198.8	208.1	219.5	231.7	240.2	247.4
57.5°	150.9	153.7	156.6	160.9	168.0	178.0	188.0	198.8	208.8	214.5	223.8
60°	130.1	134.4	139.4	144.4	149.4	156.6	168.0	178.0	187.3	192.3	199.5
62.5°	108.0	116.5	120.8	126.6	130.8	137.3	145.9	157.3	163.7	170.2	175.9
65°	97.2	98.0	98.7	104.4	112.3	118.7	126.6	135.1	145.1	149.4	153.7
67.5°	86.5	87.2	88.7	89.4	92.2	99.4	108.0	117.3	125.1	128.0	132.3
70°	75.8	75.8	78.6	79.4	80.1	80.8	87.9	97.2	104.4	108.0	113.0
72.5°	64.3	65.1	66.5	67.2	68.6	70.1	72.2	77.2	85.8	89.4	95.1
75°	52.9	53.6	54.3	55.1	57.2	57.9	60.1	62.9	66.5	70.8	74.4
77.5°	42.2	42.2	42.9	44.3	45.8	46.5	48.6	50.0	51.5	53.6	56.5
80°	31.5	32.2	32.2	33.6	33.6	34.3	35.0	37.2	38.6	40.0	41.5
82.5°	21.4	22.9	22.9	22.9	23.6	24.3	25.0	25.0	26.5	27.2	29.3
85°	12.9	13.6	13.6	13.6	12.9	14.3	14.3	15.0	15.0	15.0	15.7
87.5°	5.0	4.3	5.0	5.0	5.0	5.7	5.0	5.0	5.7	6.4	6.4
90°	10.9	10.3	10.9	11.3	11.6	11.3	9.2	6.8	5.1	4.6	4.1
92.5°	25.6	29.4	34.5	44.1	52.6	52.0	40.3	27.3	18.1	16.2	14.4
95°	54.4	68.7	89.6	117.2	134.0	118.6	79.0	49.2	33.5	29.4	25.3
97.5°	111.8	146.3	183.2	220.1	218.4	168.9	104.9	63.6	43.4	38.8	34.2
100°	222.9	269.7	312.1	319.3	270.0	186.0	112.1	70.4	52.3	47.5	42.7
102.5°	364.0	395.2	396.5	356.2	271.8	179.5	112.5	76.6	60.2	55.4	50.6
105°	458.4	453.9	415.3	344.2	253.3	170.6	114.2	83.7	67.7	62.9	58.1
107.5°	486.1	452.6	395.2	318.9	236.2	165.8	117.9	90.9	75.2	70.4	65.6
110°	472.4	428.7	367.5	295.3	224.6	164.4	122.7	98.1	83.1	78.2	73.2

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	447.8	400.3	342.2	278.9	217.1	164.8	127.8	104.9	90.6	85.4	80.3
115°	419.8	375.0	322.3	265.9	211.9	166.1	133.0	112.1	97.4	92.8	88.2
117.5°	394.8	353.1	305.9	257.1	209.2	168.2	138.4	118.6	104.9	100.2	95.4
120°	372.9	336.7	294.3	250.2	206.8	170.2	143.9	125.5	112.1	107.3	102.5
122.5°	356.9	323.0	285.1	244.4	205.4	172.6	148.7	131.9	119.6	114.6	109.7
125°	341.5	311.4	276.2	238.9	203.7	175.0	153.8	138.4	126.1	121.4	116.6
127.5°	328.5	299.8	267.3	233.8	202.7	177.4	158.6	144.6	132.6	127.6	122.7
130°	315.2	288.2	258.8	228.7	202.0	180.1	163.1	150.1	138.1	133.3	128.5
132.5°	301.5	277.2	250.6	224.6	201.7	182.9	167.5	154.8	143.6	138.8	134.0
135°	288.2	265.6	243.0	220.8	201.3	184.9	171.3	159.3	148.4	143.6	138.8
137.5°	274.8	256.4	236.9	218.1	201.3	187.0	174.3	163.1	152.1	147.6	143.2
140°	263.2	247.5	231.1	215.7	201.0	188.3	176.7	166.1	155.9	151.4	147.0
142.5°	252.6	239.6	226.3	213.3	201.0	189.4	178.8	168.5	158.6	154.5	150.4
145°	243.7	233.1	221.8	211.2	200.3	190.1	180.5	170.9	161.7	158.0	154.2
147.5°	236.2	227.7	218.4	209.2	199.3	190.4	181.5	173.0	164.1	160.6	157.2
150°	229.4	222.2	214.7	206.5	198.3	190.1	182.2	174.3	166.5	163.4	160.3
152.5°	223.6	217.7	210.9	204.1	196.6	189.4	182.5	175.7	168.9	166.2	163.4
155°	218.1	213.0	207.5	201.0	194.5	188.7	182.9	177.1	171.3	168.7	166.1
157.5°	212.6	208.2	203.4	198.3	192.4	187.3	182.9	178.1	173.0	170.8	168.5
160°	207.1	203.4	199.6	195.2	190.4	186.3	182.9	178.8	174.7	172.8	170.9
162.5°	202.0	198.9	195.9	192.4	188.7	185.3	182.5	179.1	175.7	174.4	173.0
165°	196.9	194.5	192.1	189.4	186.3	183.9	181.9	179.5	176.4	175.4	174.3
167.5°	192.1	190.4	188.3	186.3	184.2	182.5	181.5	179.5	177.1	176.4	175.7
170°	188.0	186.6	185.6	183.9	182.5	181.5	180.8	179.1	177.4	176.9	176.4
172.5°	184.2	183.2	182.5	181.5	180.5	180.1	179.8	178.8	177.8	177.4	177.1
175°	181.2	180.8	180.5	179.5	179.1	178.8	179.1	178.4	177.8	177.6	177.4
177.5°	179.1	178.8	178.8	178.1	177.8	178.1	178.8	178.1	177.8	177.8	177.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1028.9	1028.9	1028.9	1028.9
2.5°	1010.3	1008.1	1021.0	1035.3
5°	989.5	993.1	1009.6	1029.6
7.5°	968.1	976.0	995.3	1021.7
10°	938.1	952.4	981.7	1008.8
12.5°	908.7	928.0	955.9	988.1
15°	875.9	897.3	931.6	970.2
17.5°	839.4	863.7	903.7	945.9
20°	800.8	833.0	875.1	920.9
22.5°	757.9	796.5	840.1	890.9
25°	716.4	758.6	802.2	860.8
27.5°	675.7	717.1	765.7	825.1
30°	634.9	672.8	725.0	788.6
32.5°	591.3	630.6	685.7	750.7
35°	551.3	590.6	642.1	706.4
37.5°	508.4	550.5	599.9	666.4
40°	458.3	507.6	555.5	619.2
42.5°	416.8	469.0	515.5	575.6
45°	383.9	433.3	471.9	530.5
47.5°	353.2	393.2	432.6	486.9
50°	323.9	354.6	395.4	444.0
52.5°	293.9	320.3	355.3	401.1
55°	266.7	291.7	323.2	358.2
57.5°	241.7	259.5	291.0	322.5
60°	213.8	232.4	256.7	283.1
62.5°	190.2	204.5	227.4	249.5
65°	165.2	178.7	195.9	216.6
67.5°	142.3	154.4	168.0	184.5
70°	121.5	130.8	140.9	155.2
72.5°	99.4	109.4	118.7	130.1
75°	81.5	85.8	93.7	101.5
77.5°	62.9	68.6	72.9	79.4
80°	45.0	50.0	51.5	56.5
82.5°	30.0	32.9	35.7	37.2
85°	17.2	18.6	21.4	22.2
87.5°	6.4	7.1	8.6	10.0
90°	3.4	2.7	1.4	0.3
92.5°	11.6	9.9	7.2	5.1
95°	19.8	16.7	13.3	12.0
97.5°	28.0	23.6	19.8	17.8
100°	35.9	30.4	27.3	26.3
102.5°	43.4	37.9	34.9	34.2
105°	50.6	45.5	43.1	41.7
107.5°	58.1	53.3	50.9	49.9
110°	66.0	61.5	59.5	58.1

TEST NUMBER: P999739

CATALOG NUMBER: SA2XXRDIP-B485D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	73.5	69.4	67.0	65.6
115°	81.4	77.3	75.2	73.5
117.5°	88.9	85.1	83.1	81.7
120°	95.7	92.6	90.6	89.2
122.5°	102.9	99.5	97.4	96.4
125°	109.7	105.6	103.6	102.5
127.5°	116.2	111.8	109.0	107.7
130°	121.7	116.9	113.5	112.1
132.5°	126.8	121.7	117.9	116.2
135°	130.9	125.8	121.7	120.3
137.5°	135.4	129.9	125.8	124.1
140°	139.5	134.0	129.9	128.5
142.5°	143.2	137.8	134.0	133.0
145°	147.3	142.2	138.8	137.4
147.5°	151.4	146.6	143.2	142.2
150°	155.2	150.7	148.0	147.0
152.5°	158.6	154.8	152.1	151.8
155°	162.4	158.6	156.6	156.2
157.5°	165.4	162.0	160.3	160.0
160°	168.2	165.4	164.1	163.7
162.5°	170.6	168.5	167.2	167.5
165°	172.6	170.6	169.9	170.2
167.5°	174.3	173.0	172.3	172.6
170°	175.7	174.7	174.3	175.0
172.5°	176.7	175.7	176.0	176.4
175°	177.4	176.7	177.1	177.4
177.5°	177.8	177.1	177.4	178.1
180°	177.8	177.8	177.8	177.8

(END OF REPORT)