

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: P999704

Luminaire Tested: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P999704
REPORT IS A COMBINATION OF REPORTS P988259 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

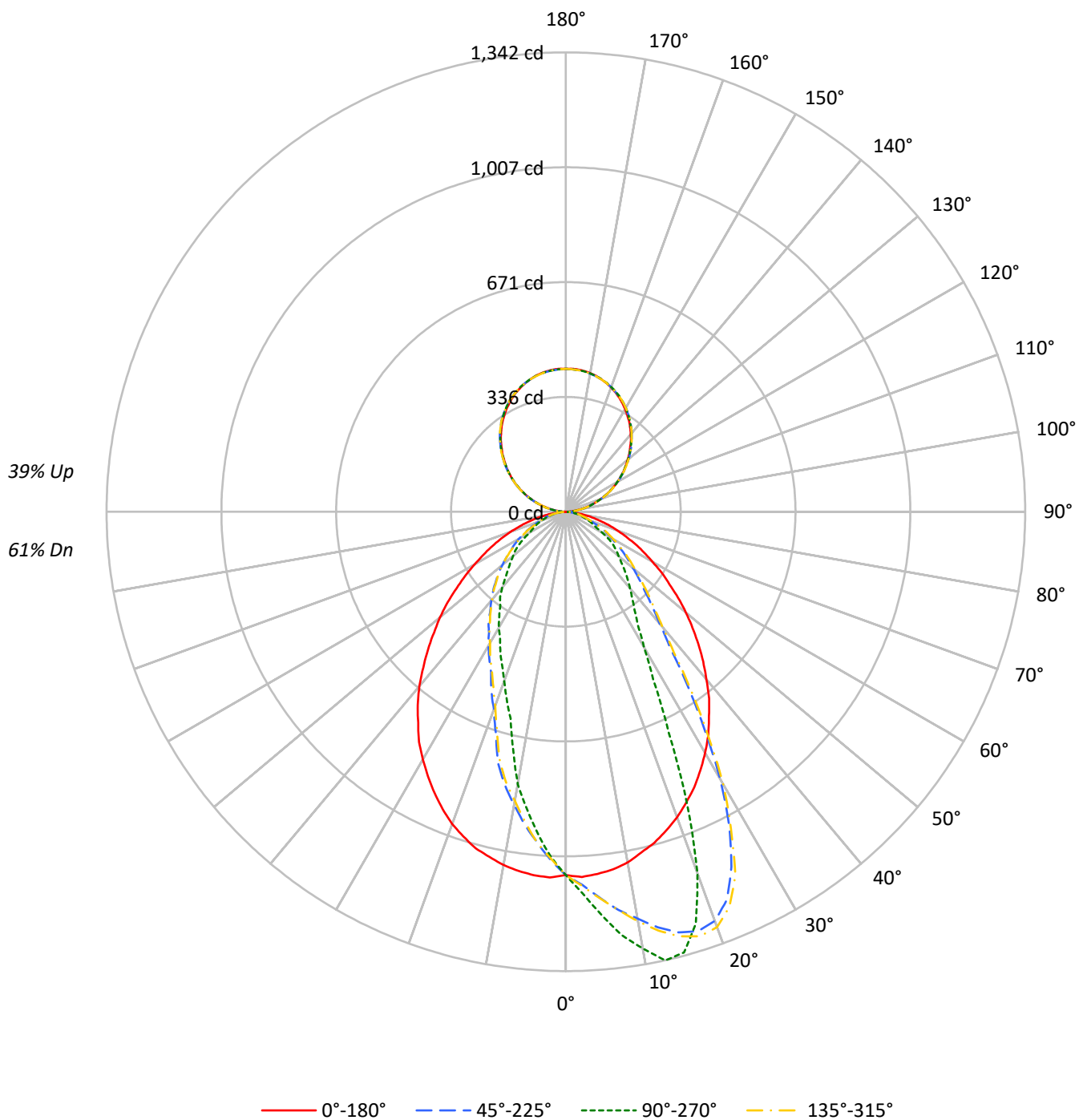
Lumens per Lamp: N/A
Luminaire Lumens: 3003.0 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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	110	110	110	110	103	103	103	103	90	90	90	77	77	77	66	66	66
1	101	97	94	90	95	91	88	85	80	78	76	70	68	66	60	59	58
2	93	86	80	75	87	81	76	72	71	67	64	62	60	57	54	52	50
3	86	77	70	64	80	72	66	61	64	59	55	56	53	50	49	46	44
4	79	69	61	55	74	65	58	53	58	52	48	51	47	43	44	41	39
5	73	62	54	48	68	58	52	46	52	47	42	46	42	38	41	37	35
6	68	56	48	43	63	53	46	41	47	42	38	42	38	34	37	34	31
7	63	51	43	38	59	48	42	37	43	38	34	39	34	31	35	31	28
8	59	47	39	34	55	44	38	33	40	34	30	36	31	28	32	28	26
9	55	43	36	31	52	41	34	30	37	32	28	33	29	26	30	26	24
10	52	40	33	28	48	38	32	27	34	29	25	31	27	24	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16800	16800	16800	16800
5°	16838	17843	16897	14255
10°	16653	18861	16771	11771
15°	16292	18866	16568	8843
20°	15857	15595	16202	7295
25°	15331	9745	15661	6206
30°	14658	6240	15056	5343
35°	13839	4794	14287	4573
40°	12927	4030	13479	4000
45°	11951	3431	12451	3357
50°	10952	2914	11464	2904
55°	9846	2533	10376	2500
60°	8864	1932	9331	1908
65°	7945	1454	8415	1650
70°	6929	1161	7475	1344
75°	5857	890	6394	1016
80°	4655	605	5006	666
85°	3235	313	3546	329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 15368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.4
10°-20°	281.0	9.4
20°-30°	361.6	12.0
30°-40°	343.1	11.4
40°-50°	294.0	9.8
50°-60°	223.9	7.5
60°-70°	141.2	4.7
70°-80°	70.5	2.3
80°-90°	19.3	0.6
90°-100°	25.8	0.9
100°-110°	82.1	2.7
110°-120°	140.6	4.7
120°-130°	184.8	6.2
130°-140°	207.5	6.9
140°-150°	203.5	6.8
150°-160°	170.7	5.7
160°-170°	113.2	3.8
170°-180°	39.6	1.3
0°-30°	743.3	24.8
0°-40°	1086.3	36.2
0°-60°	1604.3	53.4
0°-90°	1835.2	61.1
90°-120°	248.5	8.3
90°-150°	844.3	28.1
90°-180°	1168.0	38.9
0°-180°	3003.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1061	1061	1061	1061	1061	
5°	1062	1181	1066	943	1062	101
15°	1001	1333	1018	625	1001	282
25°	888	711	907	453	888	408
35°	729	350	752	334	729	456
45°	547	243	570	238	547	422
55°	370	169	389	167	370	333
65°	224	88	237	100	224	222
75°	105	46	114	53	105	113
85°	23	13	25	14	23	26
90°	0	12	0	12	0	3
95°	18	22	18	22	18	20
105°	76	78	76	78	76	80
115°	141	141	141	141	141	139
125°	205	206	205	206	205	183
135°	265	269	265	269	265	205
145°	322	326	322	326	322	201
155°	368	371	368	371	368	170
165°	401	401	401	401	401	113
175°	417	416	417	416	417	40
180°	418	418	418	418	418	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1067.9	1072.3	1074.5	1077.5	1084.1	1088.6	1095.2	1096.7	1095.9	1098.9	1090.8
5°	1062.0	1071.6	1080.4	1087.8	1099.6	1107.0	1115.1	1124.7	1126.9	1138.0	1131.3
7.5°	1053.9	1067.9	1080.4	1095.2	1112.9	1122.5	1135.0	1149.8	1156.4	1169.7	1173.4
10°	1040.6	1060.5	1081.9	1097.4	1121.7	1138.7	1150.5	1174.1	1189.6	1209.5	1206.6
12.5°	1019.2	1045.0	1073.8	1099.6	1131.3	1142.4	1164.5	1188.9	1208.8	1227.2	1243.4
15°	1000.8	1030.3	1062.0	1093.7	1129.9	1150.5	1172.6	1204.3	1225.7	1258.2	1272.2
17.5°	975.7	1013.3	1050.9	1086.3	1129.1	1152.7	1180.0	1211.0	1242.7	1273.7	1284.7
20°	949.9	990.5	1031.0	1079.0	1127.6	1150.5	1178.5	1216.9	1247.9	1272.2	1272.2
22.5°	918.9	968.3	1014.8	1060.5	1113.6	1146.8	1175.6	1220.6	1242.7	1247.9	1227.9
25°	888.0	937.4	988.3	1045.0	1105.5	1135.0	1167.5	1209.5	1216.9	1196.2	1144.6
27.5°	851.1	906.4	963.9	1025.1	1088.6	1125.4	1154.9	1183.0	1168.9	1113.6	1033.2
30°	813.5	873.2	938.1	996.4	1073.1	1107.0	1132.1	1140.2	1095.9	1006.0	902.0
32.5°	774.4	832.6	901.2	971.3	1048.7	1081.2	1097.4	1076.0	994.9	881.3	754.5
35°	728.7	794.3	865.8	938.8	1015.5	1039.9	1049.5	997.1	893.1	746.4	620.2
37.5°	687.4	753.0	829.7	904.2	978.7	991.9	982.4	900.5	768.5	623.2	500.0
40°	638.7	708.7	784.0	867.3	928.5	932.2	908.6	802.4	638.7	502.2	426.3
42.5°	593.7	664.5	739.7	824.5	871.0	858.5	826.7	687.4	533.2	432.9	371.7
45°	547.2	614.3	695.5	770.7	803.9	774.4	726.4	578.2	447.7	372.4	325.2
47.5°	502.2	564.9	645.3	717.6	723.5	690.3	633.5	484.5	387.9	327.5	289.1
50°	458.0	520.7	595.9	655.6	649.7	604.0	539.9	421.1	337.0	289.1	257.4
52.5°	413.7	470.5	543.5	590.7	565.7	521.4	458.0	357.0	294.3	252.2	227.9
55°	369.5	422.6	485.3	524.4	484.5	433.7	388.7	306.1	255.2	221.3	202.8
57.5°	332.6	374.7	432.2	455.8	407.8	368.0	328.9	263.3	221.3	196.9	175.5
60°	292.1	330.4	377.6	391.6	342.2	309.8	276.6	222.7	189.5	168.2	154.1
62.5°	257.4	289.1	325.2	325.2	281.7	257.4	232.3	186.6	159.3	142.3	135.7
65°	223.5	246.3	272.1	269.2	232.3	210.9	191.0	154.1	133.5	121.7	115.1
67.5°	190.3	208.0	224.9	214.6	188.1	169.6	151.2	124.6	110.6	102.5	93.7
70°	160.0	174.1	182.9	173.3	146.8	131.3	118.0	100.3	89.2	78.9	73.8
72.5°	134.2	140.1	143.1	131.3	109.2	100.3	90.7	78.2	68.6	63.4	62.0
75°	104.7	109.9	107.7	98.8	80.4	73.8	66.4	57.5	55.3	52.4	50.9
77.5°	81.9	81.9	78.2	70.1	57.5	52.4	49.4	45.0	42.8	42.0	40.6
80°	58.3	57.5	55.3	46.5	39.1	36.1	36.1	33.2	32.5	31.0	31.0
82.5°	38.4	38.4	35.4	28.0	25.8	25.1	24.3	22.9	22.9	22.1	22.1
85°	22.9	21.4	17.7	15.5	14.8	14.8	14.0	13.3	14.0	13.3	13.3
87.5°	10.3	8.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
90°	0.4	1.3	2.3	3.2	4.1	4.6	5.5	7.2	8.9	10.6	12.3
92.5°	7.8	8.4	9.0	9.7	10.3	10.6	10.6	10.7	10.8	10.8	10.9
95°	18.3	19.1	19.9	20.7	21.5	21.9	22.0	22.1	22.3	22.4	22.6
97.5°	30.7	31.4	32.1	32.8	33.5	33.8	34.0	34.3	34.6	34.9	35.2
100°	44.8	45.4	46.0	46.7	47.3	47.6	47.7	47.9	48.2	48.4	48.6
102.5°	59.6	60.1	60.5	61.0	61.5	61.7	61.9	62.2	62.5	62.8	63.1
105°	75.8	76.0	76.2	76.5	76.7	76.8	76.9	77.0	77.2	77.3	77.5
107.5°	92.0	92.3	92.6	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4
110°	107.5	108.0	108.4	108.9	109.4	109.6	109.6	109.6	109.6	109.6	109.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	124.4	124.9	125.3	125.8	126.3	126.5	126.5	126.4	126.3	126.3	126.2
115°	141.0	141.5	141.9	142.4	142.9	143.1	143.0	142.9	142.7	142.6	142.4
117.5°	157.6	158.2	158.8	159.5	160.1	160.4	160.2	159.8	159.4	159.0	158.6
120°	174.1	174.7	175.3	176.0	176.6	176.9	176.6	176.0	175.3	174.7	174.1
122.5°	189.3	190.1	190.9	191.6	192.4	192.8	192.6	192.2	191.8	191.4	191.0
125°	205.1	205.8	206.5	207.2	207.9	208.3	208.2	208.0	207.7	207.5	207.3
127.5°	220.7	221.5	222.4	223.2	224.1	224.5	224.3	224.0	223.7	223.4	223.1
130°	235.1	236.1	237.1	238.2	239.2	239.7	239.6	239.5	239.3	239.2	239.0
132.5°	251.3	252.1	252.9	253.7	254.5	254.9	254.9	255.0	255.1	255.1	255.2
135°	265.4	266.3	267.1	268.0	268.9	269.3	269.4	269.5	269.7	269.8	270.0
137.5°	280.9	281.6	282.3	283.0	283.7	284.1	284.2	284.3	284.5	284.6	284.8
140°	294.7	295.4	296.1	296.8	297.5	297.9	298.1	298.5	298.8	299.2	299.6
142.5°	308.8	309.5	310.2	310.9	311.6	312.0	312.1	312.3	312.6	312.8	313.0
145°	322.2	322.7	323.3	323.8	324.3	324.6	324.8	325.3	325.8	326.3	326.8
147.5°	334.2	334.9	335.6	336.3	337.0	337.3	337.5	337.8	338.1	338.4	338.7
150°	346.5	347.0	347.4	347.9	348.4	348.6	348.8	349.1	349.4	349.7	350.0
152.5°	357.4	357.9	358.3	358.8	359.3	359.5	359.7	360.1	360.5	360.9	361.3
155°	368.4	368.6	368.8	369.1	369.3	369.4	369.5	369.8	370.0	370.3	370.5
157.5°	377.9	378.1	378.2	378.4	378.5	378.6	378.7	378.8	379.0	379.1	379.3
160°	386.3	386.5	386.6	386.8	386.9	387.0	387.0	387.1	387.2	387.3	387.4
162.5°	394.1	394.1	394.1	394.1	394.1	394.1	394.1	394.2	394.3	394.3	394.4
165°	400.8	400.7	400.6	400.5	400.4	400.4	400.4	400.4	400.4	400.4	400.4
167.5°	406.8	406.6	406.3	406.1	405.8	405.7	405.7	405.7	405.7	405.7	405.7
170°	411.4	411.2	410.9	410.7	410.4	410.3	410.3	410.2	410.1	410.0	409.9
172.5°	414.5	414.3	414.1	413.8	413.6	413.5	413.5	413.4	413.3	413.2	413.1
175°	417.0	416.8	416.5	416.3	416.0	415.9	415.8	415.7	415.5	415.4	415.2
177.5°	418.4	418.2	417.9	417.7	417.4	417.3	417.2	417.1	416.9	416.8	416.6
180°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1098.9	1100.4	1102.6	1112.9	1114.4	1117.3	1115.8	1115.8	1116.6	1115.1	1115.8
5°	1146.1	1148.3	1159.4	1171.9	1174.8	1171.9	1175.6	1180.7	1180.7	1180.7	1179.3
7.5°	1190.3	1198.4	1211.0	1229.4	1233.1	1236.8	1243.4	1239.0	1240.5	1247.1	1244.9
10°	1233.1	1244.9	1258.9	1274.4	1282.5	1287.7	1290.6	1297.3	1312.8	1295.1	1301.7
12.5°	1273.7	1290.6	1305.4	1322.3	1328.2	1334.9	1337.1	1343.0	1343.0	1342.3	1347.4
15°	1300.2	1315.7	1329.0	1340.0	1341.5	1340.0	1338.6	1339.3	1341.5	1332.7	1337.8
17.5°	1306.1	1307.6	1312.0	1307.6	1308.3	1292.8	1284.0	1281.8	1261.1	1261.9	1278.8
20°	1277.4	1252.3	1245.6	1221.3	1206.6	1166.7	1165.3	1154.2	1110.7	1124.0	1121.0
22.5°	1198.4	1155.7	1098.9	1070.9	1056.8	1014.8	982.4	959.5	944.0	928.5	921.9
25°	1094.5	1025.1	944.7	889.4	881.3	842.2	782.5	754.5	721.3	711.0	728.7
27.5°	960.2	870.3	779.5	694.7	679.2	643.8	613.6	593.7	555.3	553.1	554.6
30°	778.1	687.4	611.4	556.1	517.7	501.5	481.6	466.8	451.4	457.3	458.7
32.5°	639.4	553.1	482.3	452.8	435.1	424.8	407.8	398.3	391.6	389.4	388.7
35°	508.1	450.6	418.9	390.1	379.8	372.4	359.9	355.5	349.6	350.3	350.3
37.5°	435.1	387.2	363.6	348.8	339.3	335.6	327.5	323.0	319.3	317.9	320.1
40°	375.4	342.2	327.5	314.2	306.1	304.6	300.2	295.0	290.6	291.3	293.5
42.5°	331.9	312.7	295.0	284.7	278.8	276.6	272.9	269.2	269.2	267.0	266.2
45°	297.2	281.7	267.0	257.4	253.7	250.8	246.3	245.6	242.6	243.4	244.1
47.5°	266.2	253.7	242.6	233.1	229.4	228.6	224.2	221.3	221.3	220.5	219.8
50°	238.2	225.7	216.1	210.9	205.8	204.3	203.6	202.8	201.3	201.3	202.1
52.5°	215.4	202.8	195.4	191.0	188.1	186.6	186.6	185.9	185.9	185.9	185.1
55°	190.3	180.0	174.1	172.6	171.1	170.4	169.6	168.2	167.4	168.9	167.4
57.5°	166.7	163.0	157.8	156.4	152.7	152.7	150.5	149.0	147.5	149.0	149.0
60°	148.2	143.1	140.1	135.7	132.8	129.8	126.1	125.4	123.9	123.2	122.4
62.5°	129.1	124.6	117.3	110.6	106.2	103.3	101.8	101.0	101.0	100.3	100.3
65°	107.7	97.4	93.7	91.5	90.7	90.0	88.5	87.8	88.5	87.8	88.5
67.5°	84.1	82.6	80.4	78.9	78.2	77.4	77.4	76.7	76.7	76.7	76.7
70°	73.0	69.3	68.6	67.1	67.1	66.4	66.4	66.4	66.4	65.6	67.1
72.5°	60.5	58.3	57.5	56.8	56.8	56.8	56.1	56.1	56.1	55.3	56.1
75°	49.4	48.7	47.2	47.2	46.5	47.2	46.5	46.5	45.7	46.5	46.5
77.5°	39.8	39.1	38.4	38.4	37.6	37.6	37.6	37.6	37.6	37.6	38.4
80°	30.2	29.5	28.8	29.5	28.8	29.5	28.8	28.8	29.5	28.8	28.8
82.5°	22.1	21.4	21.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
85°	13.3	12.5	12.5	13.3	12.5	13.3	12.5	12.5	12.5	13.3	13.3
87.5°	5.9	6.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.6
90°	12.1	12.0	11.8	11.7	11.6	11.6	11.7	11.8	11.9	12.0	11.9
92.5°	11.0	11.1	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
95°	22.6	22.6	22.6	22.6	22.6	22.5	22.4	22.2	22.1	21.9	22.1
97.5°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
100°	48.6	48.6	48.6	48.6	48.6	48.6	48.5	48.4	48.4	48.3	48.4
102.5°	63.2	63.2	63.3	63.4	63.4	63.4	63.3	63.2	63.2	63.1	63.2
105°	77.7	77.9	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
107.5°	93.5	93.6	93.7	93.8	93.8	93.6	93.2	92.8	92.4	92.0	92.4
110°	109.6	109.6	109.6	109.6	109.6	109.5	109.3	109.0	108.8	108.6	108.8

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	126.0	125.7	125.5	125.2	125.1	125.0	124.9	124.7	124.6	124.4	124.6
115°	142.3	142.3	142.2	142.1	142.1	142.0	141.7	141.5	141.2	141.0	141.2
117.5°	158.4	158.2	157.9	157.7	157.6	157.5	157.2	157.0	156.7	156.5	156.7
120°	174.1	174.1	174.1	174.1	174.1	174.0	173.8	173.5	173.3	173.1	173.3
122.5°	190.8	190.6	190.3	190.1	190.0	189.9	189.8	189.6	189.5	189.3	189.5
125°	207.1	206.8	206.6	206.3	206.2	206.2	206.1	206.0	206.0	205.9	206.0
127.5°	222.8	222.5	222.2	221.9	221.7	221.6	221.4	221.1	220.9	220.7	220.9
130°	238.8	238.7	238.5	238.4	238.3	238.1	237.8	237.5	237.2	236.9	237.2
132.5°	254.8	254.4	254.0	253.6	253.4	253.3	253.1	252.8	252.6	252.4	252.6
135°	269.9	269.9	269.8	269.7	269.7	269.6	269.3	269.1	268.8	268.6	268.8
137.5°	284.7	284.7	284.6	284.5	284.5	284.3	284.0	283.7	283.3	283.0	283.3
140°	299.6	299.6	299.6	299.6	299.6	299.4	299.1	298.8	298.5	298.2	298.5
142.5°	313.1	313.2	313.3	313.4	313.4	313.2	312.9	312.6	312.3	312.0	312.3
145°	326.9	326.9	327.0	327.1	327.1	326.9	326.6	326.3	326.0	325.7	326.0
147.5°	338.9	339.0	339.2	339.3	339.4	339.2	338.9	338.6	338.3	338.0	338.3
150°	350.2	350.5	350.7	351.0	351.1	351.0	350.7	350.5	350.2	350.0	350.2
152.5°	361.6	361.9	362.2	362.5	362.7	362.5	362.2	361.9	361.6	361.3	361.6
155°	370.9	371.3	371.6	372.0	372.2	372.1	371.9	371.6	371.4	371.2	371.4
157.5°	379.8	380.4	380.9	381.4	381.7	381.5	381.1	380.8	380.4	380.0	380.4
160°	387.9	388.3	388.8	389.3	389.5	389.3	389.0	388.7	388.4	388.1	388.4
162.5°	395.0	395.5	396.1	396.6	396.9	396.7	396.3	395.9	395.5	395.1	395.5
165°	401.0	401.5	402.1	402.6	402.9	402.7	402.3	401.9	401.5	401.1	401.5
167.5°	406.3	406.8	407.4	407.9	408.2	408.0	407.6	407.2	406.8	406.4	406.8
170°	410.5	411.0	411.6	412.1	412.4	412.2	411.7	411.2	410.8	410.3	410.8
172.5°	413.7	414.2	414.8	415.3	415.6	415.4	414.9	414.4	414.0	413.5	414.0
175°	415.8	416.3	416.9	417.4	417.7	417.5	417.0	416.5	416.1	415.6	416.1
177.5°	417.1	417.6	418.1	418.6	418.8	418.6	418.1	417.6	417.1	416.6	417.1
180°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1118.8	1113.6	1112.2	1113.6	1112.2	1112.9	1107.7	1088.6	1093.7	1085.6	1090.0
5°	1182.2	1177.8	1168.2	1166.7	1165.3	1163.8	1156.4	1139.4	1132.8	1121.7	1121.0
7.5°	1242.7	1242.7	1235.3	1230.2	1223.5	1218.4	1208.8	1183.7	1173.4	1160.1	1152.7
10°	1302.4	1283.3	1291.4	1286.2	1270.0	1267.0	1249.3	1234.6	1214.7	1201.4	1189.6
12.5°	1345.2	1339.3	1331.9	1327.5	1323.1	1313.5	1301.7	1264.1	1253.8	1227.2	1213.9
15°	1343.7	1340.0	1342.3	1342.3	1340.8	1338.6	1329.0	1301.7	1284.0	1258.2	1235.3
17.5°	1271.5	1281.0	1290.6	1297.3	1312.0	1318.7	1327.5	1311.3	1300.2	1278.1	1253.8
20°	1145.3	1168.9	1197.0	1202.9	1216.1	1255.2	1272.9	1286.9	1291.4	1284.0	1264.1
22.5°	969.8	989.7	1057.6	1056.1	1075.3	1121.7	1173.4	1215.4	1248.6	1267.0	1259.7
25°	759.6	787.7	823.8	851.1	913.8	983.1	1047.3	1114.4	1171.9	1222.8	1235.3
27.5°	574.5	611.4	640.2	676.3	708.0	789.9	872.5	977.2	1044.3	1140.9	1191.1
30°	464.6	481.6	510.4	527.3	542.8	605.5	699.2	802.4	920.4	1031.8	1118.1
32.5°	396.8	408.6	430.0	437.3	453.6	495.6	554.6	649.0	770.7	905.7	1019.2
35°	356.2	368.8	373.2	379.8	393.1	419.6	460.2	528.8	638.7	770.7	906.4
37.5°	321.6	328.2	340.7	345.2	349.6	369.5	396.8	444.7	517.7	626.1	776.6
40°	297.2	300.9	307.5	311.2	314.2	328.2	352.5	385.0	438.8	521.4	660.1
42.5°	271.4	275.8	280.3	284.7	288.4	299.4	314.2	345.2	381.3	444.0	544.3
45°	246.3	249.3	254.4	257.4	262.6	271.4	284.7	306.1	338.5	378.3	459.5
47.5°	223.5	227.2	229.4	233.1	236.7	246.3	258.9	272.9	299.4	338.5	397.5
50°	202.8	207.2	210.2	210.9	213.9	222.7	233.1	248.5	265.5	295.7	347.4
52.5°	188.1	188.8	191.0	194.0	193.2	198.4	208.0	219.8	237.5	261.8	299.4
55°	171.1	173.3	174.8	175.5	175.5	180.0	185.1	196.2	210.2	230.1	261.8
57.5°	149.7	151.9	156.4	157.8	160.0	162.3	164.5	171.8	183.6	202.8	228.6
60°	127.6	129.1	133.5	136.4	137.9	143.8	146.8	152.7	159.3	173.3	197.7
62.5°	102.5	104.0	106.2	109.2	112.1	121.0	128.3	134.2	139.4	149.0	168.9
65°	89.2	90.0	91.5	92.2	92.9	96.6	103.3	111.4	121.0	128.3	140.1
67.5°	77.4	78.2	78.9	80.4	81.1	81.9	84.8	87.0	96.6	106.9	115.8
70°	66.4	67.9	68.6	68.6	69.3	70.8	72.3	75.2	78.2	83.3	94.4
72.5°	56.1	56.8	58.3	58.3	58.3	59.7	61.2	62.7	64.2	67.1	71.5
75°	46.5	47.9	47.9	47.9	48.7	48.7	50.2	51.6	53.1	55.3	56.8
77.5°	38.4	38.4	38.4	38.4	39.1	39.1	39.8	41.3	42.0	42.8	44.3
80°	28.8	29.5	29.5	29.5	30.2	30.2	30.2	31.7	32.5	32.5	33.9
82.5°	21.4	21.4	21.4	22.1	21.4	22.1	22.1	22.9	22.1	22.9	23.6
85°	13.3	13.3	13.3	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.8
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.4	6.6	6.6
90°	11.8	11.7	11.6	11.6	11.7	11.8	12.0	12.1	12.3	10.6	8.9
92.5°	11.3	11.3	11.3	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.8
95°	22.2	22.4	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.4	22.3
97.5°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	34.9	34.6
100°	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.4	48.2
102.5°	63.2	63.3	63.4	63.4	63.4	63.3	63.2	63.2	63.1	62.8	62.5
105°	78.3	78.3	78.3	78.3	78.2	78.0	77.9	77.7	77.5	77.3	77.2
107.5°	92.8	93.2	93.6	93.8	93.8	93.7	93.6	93.5	93.4	93.4	93.4
110°	109.0	109.3	109.5	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.6

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	124.7	124.9	125.0	125.1	125.2	125.5	125.7	126.0	126.2	126.3	126.3
115°	141.5	141.7	142.0	142.1	142.1	142.2	142.3	142.3	142.4	142.6	142.7
117.5°	157.0	157.2	157.5	157.6	157.7	157.9	158.2	158.4	158.6	159.0	159.4
120°	173.5	173.8	174.0	174.1	174.1	174.1	174.1	174.1	174.1	174.7	175.3
122.5°	189.6	189.8	189.9	190.0	190.1	190.3	190.6	190.8	191.0	191.4	191.8
125°	206.0	206.1	206.2	206.2	206.3	206.6	206.8	207.1	207.3	207.5	207.7
127.5°	221.1	221.4	221.6	221.7	221.9	222.2	222.5	222.8	223.1	223.4	223.7
130°	237.5	237.8	238.1	238.3	238.4	238.5	238.7	238.8	239.0	239.2	239.3
132.5°	252.8	253.1	253.3	253.4	253.6	254.0	254.4	254.8	255.2	255.1	255.1
135°	269.1	269.3	269.6	269.7	269.7	269.8	269.9	269.9	270.0	269.8	269.7
137.5°	283.7	284.0	284.3	284.5	284.5	284.6	284.7	284.7	284.8	284.6	284.5
140°	298.8	299.1	299.4	299.6	299.6	299.6	299.6	299.6	299.6	299.2	298.8
142.5°	312.6	312.9	313.2	313.4	313.4	313.3	313.2	313.1	313.0	312.8	312.6
145°	326.3	326.6	326.9	327.1	327.1	327.0	326.9	326.9	326.8	326.3	325.8
147.5°	338.6	338.9	339.2	339.4	339.3	339.2	339.0	338.9	338.7	338.4	338.1
150°	350.5	350.7	351.0	351.1	351.0	350.7	350.5	350.2	350.0	349.7	349.4
152.5°	361.9	362.2	362.5	362.7	362.5	362.2	361.9	361.6	361.3	360.9	360.5
155°	371.6	371.9	372.1	372.2	372.0	371.6	371.3	370.9	370.5	370.3	370.0
157.5°	380.8	381.1	381.5	381.7	381.4	380.9	380.4	379.8	379.3	379.1	379.0
160°	388.7	389.0	389.3	389.5	389.3	388.8	388.3	387.9	387.4	387.3	387.2
162.5°	395.9	396.3	396.7	396.9	396.6	396.1	395.5	395.0	394.4	394.3	394.3
165°	401.9	402.3	402.7	402.9	402.6	402.1	401.5	401.0	400.4	400.4	400.4
167.5°	407.2	407.6	408.0	408.2	407.9	407.4	406.8	406.3	405.7	405.7	405.7
170°	411.2	411.7	412.2	412.4	412.1	411.6	411.0	410.5	409.9	410.0	410.1
172.5°	414.4	414.9	415.4	415.6	415.3	414.8	414.2	413.7	413.1	413.2	413.3
175°	416.5	417.0	417.5	417.7	417.4	416.9	416.3	415.8	415.2	415.4	415.5
177.5°	417.6	418.1	418.6	418.8	418.6	418.1	417.6	417.1	416.6	416.8	416.9
180°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1083.4	1079.7	1079.7	1077.5	1077.5	1065.7	1065.7	1069.4	1065.0	1059.8	1052.4
5°	1111.4	1103.3	1101.1	1098.1	1088.6	1073.8	1067.9	1065.7	1056.8	1045.8	1033.2
7.5°	1138.0	1124.7	1118.1	1111.4	1098.9	1078.2	1066.4	1058.3	1045.0	1028.1	1011.9
10°	1163.8	1146.8	1129.9	1121.7	1104.0	1078.2	1061.3	1048.0	1028.8	1006.0	983.1
12.5°	1187.4	1152.0	1149.0	1132.8	1107.0	1077.5	1051.7	1032.5	1008.2	981.6	955.1
15°	1208.0	1171.9	1154.2	1139.4	1105.5	1068.6	1041.4	1017.8	985.3	955.1	922.6
17.5°	1218.4	1179.3	1167.5	1143.1	1108.5	1060.5	1023.7	994.9	959.5	923.4	886.5
20°	1228.7	1183.0	1163.8	1146.8	1099.6	1045.0	1003.7	970.6	931.5	888.7	848.1
22.5°	1233.8	1183.0	1160.1	1136.5	1090.8	1028.1	979.4	940.3	894.6	851.1	802.4
25°	1225.0	1178.5	1151.2	1126.9	1075.3	1007.4	951.4	907.1	858.5	809.0	759.6
27.5°	1202.9	1168.2	1136.5	1111.4	1053.9	980.9	921.9	871.7	821.6	766.3	716.1
30°	1161.6	1146.1	1121.0	1093.0	1030.3	957.3	887.2	835.6	780.3	725.0	672.6
32.5°	1097.4	1110.7	1094.5	1070.1	1002.3	924.8	850.3	798.0	737.5	677.8	629.8
35°	1019.2	1066.4	1057.6	1040.6	972.8	890.2	815.7	752.3	691.8	631.3	583.4
37.5°	933.7	1005.2	1012.6	1002.3	938.8	854.8	772.9	711.0	649.0	587.8	539.1
40°	816.4	926.3	949.9	954.3	903.4	812.0	726.4	666.0	604.8	545.0	486.0
42.5°	708.7	847.4	876.9	895.3	858.5	770.0	683.7	616.6	556.1	502.2	443.2
45°	607.7	752.3	800.2	823.8	807.6	722.0	632.8	570.1	514.8	465.4	408.6
47.5°	503.7	649.0	716.1	753.7	753.7	673.3	584.1	522.2	469.1	427.0	376.9
50°	434.4	555.3	624.7	674.1	687.4	623.9	539.9	479.4	429.2	383.5	345.2
52.5°	370.2	478.6	536.2	587.8	626.1	570.8	490.4	435.9	386.5	343.7	313.4
55°	320.1	401.2	453.6	510.4	553.1	517.0	442.5	389.4	346.6	311.2	285.4
57.5°	272.1	342.9	385.7	435.9	481.6	454.3	394.6	348.8	311.2	280.3	257.4
60°	231.6	289.1	322.3	361.4	418.2	399.0	349.6	307.5	277.3	249.3	230.1
62.5°	196.9	242.6	270.7	298.7	350.3	341.5	303.1	270.7	244.9	221.3	205.0
65°	161.5	199.1	221.3	245.6	286.9	290.6	259.6	236.7	213.1	192.5	177.7
67.5°	130.5	160.0	180.0	200.6	233.8	244.1	222.7	203.6	183.6	166.7	153.4
70°	105.5	126.1	140.9	157.1	184.4	196.9	185.9	172.6	156.4	142.3	130.5
72.5°	83.3	96.6	105.5	118.0	140.1	152.7	151.9	140.1	128.3	118.7	109.2
75°	61.2	71.5	78.9	87.0	104.7	116.5	119.5	114.3	102.5	95.1	87.8
77.5°	46.5	52.4	56.1	62.0	74.5	84.8	89.2	87.8	79.7	73.8	68.6
80°	35.4	36.9	38.4	40.6	50.9	60.5	63.4	62.7	58.3	56.1	50.2
82.5°	25.1	25.8	26.6	27.3	31.0	39.1	42.0	43.5	39.8	37.6	32.5
85°	14.8	15.5	15.5	17.0	17.7	19.9	25.1	25.1	24.3	21.4	20.7
87.5°	7.4	7.4	6.6	6.6	7.4	8.1	9.6	11.1	9.6	8.9	8.1
90°	7.2	5.5	4.6	4.1	3.2	2.3	1.3	0.4	1.3	2.3	3.2
92.5°	10.7	10.6	10.6	10.3	9.7	9.0	8.4	7.8	8.4	9.0	9.7
95°	22.1	22.0	21.9	21.5	20.7	19.9	19.1	18.3	19.1	19.9	20.7
97.5°	34.3	34.0	33.8	33.5	32.8	32.1	31.4	30.7	31.4	32.1	32.8
100°	47.9	47.7	47.6	47.3	46.7	46.0	45.4	44.8	45.4	46.0	46.7
102.5°	62.2	61.9	61.7	61.5	61.0	60.5	60.1	59.6	60.1	60.5	61.0
105°	77.0	76.9	76.8	76.7	76.5	76.2	76.0	75.8	76.0	76.2	76.5
107.5°	93.4	93.4	93.4	93.2	92.9	92.6	92.3	92.0	92.3	92.6	92.9
110°	109.6	109.6	109.6	109.4	108.9	108.4	108.0	107.5	108.0	108.4	108.9

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	126.4	126.5	126.5	126.3	125.8	125.3	124.9	124.4	124.9	125.3	125.8
115°	142.9	143.0	143.1	142.9	142.4	141.9	141.5	141.0	141.5	141.9	142.4
117.5°	159.8	160.2	160.4	160.1	159.5	158.8	158.2	157.6	158.2	158.8	159.5
120°	176.0	176.6	176.9	176.6	176.0	175.3	174.7	174.1	174.7	175.3	176.0
122.5°	192.2	192.6	192.8	192.4	191.6	190.9	190.1	189.3	190.1	190.9	191.6
125°	208.0	208.2	208.3	207.9	207.2	206.5	205.8	205.1	205.8	206.5	207.2
127.5°	224.0	224.3	224.5	224.1	223.2	222.4	221.5	220.7	221.5	222.4	223.2
130°	239.5	239.6	239.7	239.2	238.2	237.1	236.1	235.1	236.1	237.1	238.2
132.5°	255.0	254.9	254.9	254.5	253.7	252.9	252.1	251.3	252.1	252.9	253.7
135°	269.5	269.4	269.3	268.9	268.0	267.1	266.3	265.4	266.3	267.1	268.0
137.5°	284.3	284.2	284.1	283.7	283.0	282.3	281.6	280.9	281.6	282.3	283.0
140°	298.5	298.1	297.9	297.5	296.8	296.1	295.4	294.7	295.4	296.1	296.8
142.5°	312.3	312.1	312.0	311.6	310.9	310.2	309.5	308.8	309.5	310.2	310.9
145°	325.3	324.8	324.6	324.3	323.8	323.3	322.7	322.2	322.7	323.3	323.8
147.5°	337.8	337.5	337.3	337.0	336.3	335.6	334.9	334.2	334.9	335.6	336.3
150°	349.1	348.8	348.6	348.4	347.9	347.4	347.0	346.5	347.0	347.4	347.9
152.5°	360.1	359.7	359.5	359.3	358.8	358.3	357.9	357.4	357.9	358.3	358.8
155°	369.8	369.5	369.4	369.3	369.1	368.8	368.6	368.4	368.6	368.8	369.1
157.5°	378.8	378.7	378.6	378.5	378.4	378.2	378.1	377.9	378.1	378.2	378.4
160°	387.1	387.0	387.0	386.9	386.8	386.6	386.5	386.3	386.5	386.6	386.8
162.5°	394.2	394.1	394.1	394.1	394.1	394.1	394.1	394.1	394.1	394.1	394.1
165°	400.4	400.4	400.4	400.4	400.5	400.6	400.7	400.8	400.7	400.6	400.5
167.5°	405.7	405.7	405.7	405.8	406.1	406.3	406.6	406.8	406.6	406.3	406.1
170°	410.2	410.3	410.3	410.4	410.7	410.9	411.2	411.4	411.2	410.9	410.7
172.5°	413.4	413.5	413.5	413.6	413.8	414.1	414.3	414.5	414.3	414.1	413.8
175°	415.7	415.8	415.9	416.0	416.3	416.5	416.8	417.0	416.8	416.5	416.3
177.5°	417.1	417.2	417.3	417.4	417.7	417.9	418.2	418.4	418.2	417.9	417.7
180°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1049.5	1050.2	1052.4	1045.8	1035.5	1031.0	1017.8	1015.5	1013.3	1013.3	1015.5
5°	1025.9	1022.9	1023.7	1011.1	996.4	987.5	969.1	972.0	962.4	956.5	958.0
7.5°	1000.1	991.9	991.2	975.0	956.5	940.3	921.1	916.7	907.9	897.5	893.1
10°	967.6	961.7	950.6	932.2	908.6	895.3	869.5	854.0	851.8	836.3	830.4
12.5°	934.4	924.1	913.0	887.2	860.7	839.3	820.1	803.1	791.3	778.1	769.2
15°	896.1	883.5	871.0	843.7	812.7	791.3	762.6	737.5	702.8	675.6	660.1
17.5°	854.0	840.0	823.1	792.8	762.6	733.1	680.0	650.5	626.1	609.9	600.3
20°	810.5	795.0	778.1	747.8	695.5	643.8	614.3	591.5	576.7	560.5	548.7
22.5°	764.8	748.6	730.1	682.9	627.6	591.5	568.6	547.2	525.8	517.0	511.1
25°	722.0	707.3	683.7	619.5	576.0	542.8	517.0	503.0	491.9	480.1	469.1
27.5°	677.8	650.5	617.3	563.5	536.2	502.2	483.8	473.5	454.3	446.2	441.0
30°	624.7	594.4	562.7	524.4	492.7	469.1	452.1	435.1	424.1	416.0	407.1
32.5°	570.8	542.1	522.2	482.3	458.7	434.4	418.2	407.8	391.6	386.5	382.8
35°	524.4	500.0	482.3	449.9	427.8	405.6	393.8	378.3	368.0	358.4	352.5
37.5°	478.6	465.4	446.9	419.6	396.0	378.3	362.1	357.0	342.9	337.8	331.9
40°	446.9	427.0	411.5	387.9	368.0	348.8	338.5	326.7	317.1	309.0	306.8
42.5°	408.6	393.8	385.0	359.2	338.5	327.5	314.9	301.6	294.3	287.6	279.5
45°	379.8	366.5	354.0	333.4	314.9	300.9	289.8	281.0	268.5	265.5	253.0
47.5°	349.6	336.3	326.7	306.1	289.1	275.8	267.7	255.9	245.6	239.0	233.1
50°	319.3	308.3	299.4	281.7	267.0	253.0	241.9	230.1	225.7	214.6	210.9
52.5°	290.6	283.2	273.6	256.7	241.9	230.1	218.3	208.7	202.1	196.2	191.8
55°	266.2	254.4	250.0	231.6	219.0	206.5	196.2	190.3	182.2	178.5	174.8
57.5°	239.0	232.3	224.9	210.9	196.9	185.1	177.7	168.9	164.5	160.0	157.1
60°	215.4	205.8	199.9	188.1	175.5	164.5	157.8	151.2	145.3	141.6	135.7
62.5°	188.1	180.7	177.0	164.5	154.1	143.8	137.9	131.3	126.9	120.2	112.8
65°	164.5	158.6	154.1	143.8	134.2	124.6	118.7	110.6	104.7	101.0	100.3
67.5°	143.8	139.4	132.8	123.2	113.6	106.2	99.6	92.9	92.2	90.7	90.7
70°	121.0	116.5	112.8	102.5	94.4	86.3	84.8	82.6	80.4	79.7	78.2
72.5°	101.0	97.4	92.9	84.1	76.0	73.8	72.3	70.8	68.6	67.9	67.1
75°	81.9	76.7	73.8	65.6	63.4	62.0	60.5	58.3	56.8	56.1	54.6
77.5°	62.7	57.5	57.5	53.1	51.6	49.4	47.9	46.5	45.7	44.3	44.3
80°	44.3	44.3	42.8	40.6	38.4	37.6	35.4	34.7	33.9	34.7	33.2
82.5°	32.5	29.5	29.5	28.0	26.6	25.8	24.3	24.3	23.6	23.6	23.6
85°	18.4	18.4	17.7	16.2	15.5	15.5	14.8	14.8	14.0	14.0	13.3
87.5°	7.4	6.6	7.4	6.6	6.6	5.9	5.9	5.9	5.2	5.9	5.2
90°	4.1	4.6	5.5	7.2	8.9	10.6	12.3	12.1	12.0	11.8	11.7
92.5°	10.3	10.6	10.6	10.7	10.8	10.8	10.9	11.0	11.1	11.2	11.3
95°	21.5	21.9	22.0	22.1	22.3	22.4	22.6	22.6	22.6	22.6	22.6
97.5°	33.5	33.8	34.0	34.3	34.6	34.9	35.2	35.2	35.2	35.2	35.2
100°	47.3	47.6	47.7	47.9	48.2	48.4	48.6	48.6	48.6	48.6	48.6
102.5°	61.5	61.7	61.9	62.2	62.5	62.8	63.1	63.2	63.2	63.3	63.4
105°	76.7	76.8	76.9	77.0	77.2	77.3	77.5	77.7	77.9	78.0	78.2
107.5°	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.6	93.7	93.8
110°	109.4	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.6

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	126.3	126.5	126.5	126.4	126.3	126.3	126.2	126.0	125.7	125.5	125.2
115°	142.9	143.1	143.0	142.9	142.7	142.6	142.4	142.3	142.3	142.2	142.1
117.5°	160.1	160.4	160.2	159.8	159.4	159.0	158.6	158.4	158.2	157.9	157.7
120°	176.6	176.9	176.6	176.0	175.3	174.7	174.1	174.1	174.1	174.1	174.1
122.5°	192.4	192.8	192.6	192.2	191.8	191.4	191.0	190.8	190.6	190.3	190.1
125°	207.9	208.3	208.2	208.0	207.7	207.5	207.3	207.1	206.8	206.6	206.3
127.5°	224.1	224.5	224.3	224.0	223.7	223.4	223.1	222.8	222.5	222.2	221.9
130°	239.2	239.7	239.6	239.5	239.3	239.2	239.0	238.8	238.7	238.5	238.4
132.5°	254.5	254.9	254.9	255.0	255.1	255.1	255.2	254.8	254.4	254.0	253.6
135°	268.9	269.3	269.4	269.5	269.7	269.8	270.0	269.9	269.9	269.8	269.7
137.5°	283.7	284.1	284.2	284.3	284.5	284.6	284.8	284.7	284.7	284.6	284.5
140°	297.5	297.9	298.1	298.5	298.8	299.2	299.6	299.6	299.6	299.6	299.6
142.5°	311.6	312.0	312.1	312.3	312.6	312.8	313.0	313.1	313.2	313.3	313.4
145°	324.3	324.6	324.8	325.3	325.8	326.3	326.8	326.9	326.9	327.0	327.1
147.5°	337.0	337.3	337.5	337.8	338.1	338.4	338.7	338.9	339.0	339.2	339.3
150°	348.4	348.6	348.8	349.1	349.4	349.7	350.0	350.2	350.5	350.7	351.0
152.5°	359.3	359.5	359.7	360.1	360.5	360.9	361.3	361.6	361.9	362.2	362.5
155°	369.3	369.4	369.5	369.8	370.0	370.3	370.5	370.9	371.3	371.6	372.0
157.5°	378.5	378.6	378.7	378.8	379.0	379.1	379.3	379.8	380.4	380.9	381.4
160°	386.9	387.0	387.0	387.1	387.2	387.3	387.4	387.9	388.3	388.8	389.3
162.5°	394.1	394.1	394.1	394.2	394.3	394.3	394.4	395.0	395.5	396.1	396.6
165°	400.4	400.4	400.4	400.4	400.4	400.4	400.4	401.0	401.5	402.1	402.6
167.5°	405.8	405.7	405.7	405.7	405.7	405.7	405.7	406.3	406.8	407.4	407.9
170°	410.4	410.3	410.3	410.2	410.1	410.0	409.9	410.5	411.0	411.6	412.1
172.5°	413.6	413.5	413.5	413.4	413.3	413.2	413.1	413.7	414.2	414.8	415.3
175°	416.0	415.9	415.8	415.7	415.5	415.4	415.2	415.8	416.3	416.9	417.4
177.5°	417.4	417.3	417.2	417.1	416.9	416.8	416.6	417.1	417.6	418.1	418.6
180°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1015.5	1014.1	1009.6	1011.1	1008.9	1008.9	1007.4	1007.4	1007.4	1011.1	1008.9
5°	960.2	955.1	949.9	947.7	945.5	943.3	943.3	942.5	949.2	947.7	953.6
7.5°	891.6	890.2	879.8	879.8	876.2	874.7	878.4	879.1	879.8	881.3	885.0
10°	830.4	826.7	812.0	813.5	811.3	808.3	810.5	809.0	814.2	815.7	814.2
12.5°	758.2	751.5	735.3	727.2	718.3	711.7	719.8	713.9	734.6	740.5	756.7
15°	662.3	649.7	638.7	638.7	630.6	624.7	628.4	635.0	639.4	646.1	649.0
17.5°	598.1	593.0	584.1	578.9	576.7	574.5	574.5	577.5	587.1	586.3	592.2
20°	543.5	540.6	536.2	529.5	527.3	525.8	525.8	525.8	532.5	538.4	542.1
22.5°	505.9	503.7	500.8	491.9	487.5	486.0	489.7	491.9	497.1	501.5	505.2
25°	468.3	463.2	458.0	455.0	452.8	452.8	454.3	455.0	457.3	459.5	463.9
27.5°	437.3	433.7	426.3	418.2	418.2	416.0	417.4	418.9	424.1	431.4	435.1
30°	402.7	401.9	399.0	396.0	393.1	391.6	394.6	396.8	397.5	401.2	401.2
32.5°	377.6	372.4	367.3	364.3	362.9	362.1	362.9	365.8	365.8	370.2	375.4
35°	352.5	349.6	344.4	339.3	337.8	334.1	337.0	340.0	345.2	347.4	349.6
37.5°	325.2	321.6	319.3	317.9	314.9	315.7	313.4	317.9	322.3	321.6	323.0
40°	304.6	298.0	291.3	290.6	289.8	289.1	289.1	289.8	292.8	295.7	300.2
42.5°	278.0	275.8	269.9	264.0	262.6	261.1	259.6	262.6	268.5	273.6	275.8
45°	250.8	247.8	246.3	241.9	239.0	238.2	236.7	240.4	245.6	247.8	249.3
47.5°	225.7	224.9	220.5	221.3	219.0	219.8	219.0	221.3	221.3	223.5	224.9
50°	208.7	206.5	204.3	202.8	200.6	200.6	199.9	200.6	203.6	206.5	205.8
52.5°	191.8	188.1	187.3	186.6	185.1	186.6	184.4	185.1	188.1	189.5	188.8
55°	171.8	171.1	169.6	168.2	167.4	166.7	166.7	166.7	169.6	171.8	172.6
57.5°	156.4	152.7	149.7	149.7	146.8	146.0	147.5	148.2	150.5	151.9	153.4
60°	135.0	133.5	129.1	126.9	122.4	121.7	121.7	124.6	128.3	133.5	135.0
62.5°	112.1	109.9	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.9	109.9
65°	99.6	100.3	99.6	98.8	99.6	99.6	98.8	98.8	98.8	99.6	100.3
67.5°	89.2	88.5	89.2	88.5	87.8	87.8	87.0	87.8	88.5	89.2	89.2
70°	77.4	77.4	76.7	77.4	76.7	76.0	75.2	75.2	76.7	77.4	77.4
72.5°	66.4	66.4	65.6	65.6	64.2	64.2	64.9	64.2	64.2	66.4	66.4
75°	55.3	54.6	53.8	53.8	53.1	53.1	53.1	52.4	53.8	53.8	54.6
77.5°	43.5	43.5	43.5	42.8	42.8	42.0	42.0	42.8	42.8	42.8	43.5
80°	33.2	33.2	33.2	32.5	31.7	31.7	31.7	31.7	31.7	32.5	31.7
82.5°	22.9	22.9	22.9	22.9	22.9	22.1	22.1	22.1	22.9	22.9	22.1
85°	14.0	13.3	14.0	14.0	13.3	14.0	13.3	13.3	12.5	12.5	13.3
87.5°	5.9	5.2	4.4	4.4	5.2	4.4	4.4	4.4	5.2	4.4	4.4
90°	11.6	11.6	11.7	11.8	11.9	12.0	11.9	11.8	11.7	11.6	11.6
92.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
95°	22.6	22.5	22.4	22.2	22.1	21.9	22.1	22.2	22.4	22.5	22.6
97.5°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
100°	48.6	48.6	48.5	48.4	48.4	48.3	48.4	48.4	48.5	48.6	48.6
102.5°	63.4	63.4	63.3	63.2	63.2	63.1	63.2	63.2	63.3	63.4	63.4
105°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
107.5°	93.8	93.6	93.2	92.8	92.4	92.0	92.4	92.8	93.2	93.6	93.8
110°	109.6	109.5	109.3	109.0	108.8	108.6	108.8	109.0	109.3	109.5	109.6

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	125.1	125.0	124.9	124.7	124.6	124.4	124.6	124.7	124.9	125.0	125.1
115°	142.1	142.0	141.7	141.5	141.2	141.0	141.2	141.5	141.7	142.0	142.1
117.5°	157.6	157.5	157.2	157.0	156.7	156.5	156.7	157.0	157.2	157.5	157.6
120°	174.1	174.0	173.8	173.5	173.3	173.1	173.3	173.5	173.8	174.0	174.1
122.5°	190.0	189.9	189.8	189.6	189.5	189.3	189.5	189.6	189.8	189.9	190.0
125°	206.2	206.2	206.1	206.0	206.0	205.9	206.0	206.0	206.1	206.2	206.2
127.5°	221.7	221.6	221.4	221.1	220.9	220.7	220.9	221.1	221.4	221.6	221.7
130°	238.3	238.1	237.8	237.5	237.2	236.9	237.2	237.5	237.8	238.1	238.3
132.5°	253.4	253.3	253.1	252.8	252.6	252.4	252.6	252.8	253.1	253.3	253.4
135°	269.7	269.6	269.3	269.1	268.8	268.6	268.8	269.1	269.3	269.6	269.7
137.5°	284.5	284.3	284.0	283.7	283.3	283.0	283.3	283.7	284.0	284.3	284.5
140°	299.6	299.4	299.1	298.8	298.5	298.2	298.5	298.8	299.1	299.4	299.6
142.5°	313.4	313.2	312.9	312.6	312.3	312.0	312.3	312.6	312.9	313.2	313.4
145°	327.1	326.9	326.6	326.3	326.0	325.7	326.0	326.3	326.6	326.9	327.1
147.5°	339.4	339.2	338.9	338.6	338.3	338.0	338.3	338.6	338.9	339.2	339.4
150°	351.1	351.0	350.7	350.5	350.2	350.0	350.2	350.5	350.7	351.0	351.1
152.5°	362.7	362.5	362.2	361.9	361.6	361.3	361.6	361.9	362.2	362.5	362.7
155°	372.2	372.1	371.9	371.6	371.4	371.2	371.4	371.6	371.9	372.1	372.2
157.5°	381.7	381.5	381.1	380.8	380.4	380.0	380.4	380.8	381.1	381.5	381.7
160°	389.5	389.3	389.0	388.7	388.4	388.1	388.4	388.7	389.0	389.3	389.5
162.5°	396.9	396.7	396.3	395.9	395.5	395.1	395.5	395.9	396.3	396.7	396.9
165°	402.9	402.7	402.3	401.9	401.5	401.1	401.5	401.9	402.3	402.7	402.9
167.5°	408.2	408.0	407.6	407.2	406.8	406.4	406.8	407.2	407.6	408.0	408.2
170°	412.4	412.2	411.7	411.2	410.8	410.3	410.8	411.2	411.7	412.2	412.4
172.5°	415.6	415.4	414.9	414.4	414.0	413.5	414.0	414.4	414.9	415.4	415.6
175°	417.7	417.5	417.0	416.5	416.1	415.6	416.1	416.5	417.0	417.5	417.7
177.5°	418.8	418.6	418.1	417.6	417.1	416.6	417.1	417.6	418.1	418.6	418.8
180°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1011.1	1014.8	1013.3	1005.2	1013.3	1015.5	1020.0	1024.4	1027.3	1031.8	1035.5
5°	947.7	955.1	959.5	955.1	969.8	972.0	982.4	988.3	997.1	1004.5	1010.4
7.5°	888.0	893.9	902.7	904.2	913.0	923.4	938.1	952.9	966.9	974.2	980.9
10°	823.8	834.1	847.4	844.4	857.7	873.9	889.4	913.0	924.8	938.1	949.9
12.5°	759.6	766.3	784.0	789.9	809.0	821.6	843.0	857.7	887.2	902.7	913.0
15°	647.5	674.8	696.9	723.5	748.6	772.2	791.3	817.9	843.7	855.5	872.5
17.5°	596.6	609.2	622.5	635.7	668.2	710.2	744.1	772.9	795.0	810.5	830.4
20°	543.5	556.1	570.8	583.4	603.3	633.5	675.6	725.0	751.5	767.7	786.9
22.5°	505.9	517.7	527.3	538.4	553.9	576.0	607.7	668.9	704.3	724.2	741.2
25°	465.4	480.1	490.4	498.6	511.1	535.4	561.2	595.9	659.3	674.8	698.4
27.5°	437.3	441.8	453.6	466.1	478.6	491.9	518.5	548.0	590.7	624.7	653.4
30°	404.2	415.2	426.3	431.4	442.5	461.7	477.9	509.6	542.8	569.4	604.0
32.5°	379.1	385.7	393.1	405.6	416.0	429.2	445.5	472.0	500.0	517.0	543.5
35°	351.1	355.5	371.0	376.1	386.5	399.7	416.0	436.6	466.8	480.1	499.3
37.5°	324.5	334.8	339.3	351.1	360.6	373.9	385.7	409.3	429.2	444.7	462.4
40°	303.9	308.3	316.4	326.7	334.8	345.2	359.9	376.9	398.3	410.8	426.3
42.5°	278.8	282.5	292.8	298.7	312.0	321.6	330.4	351.1	370.2	379.8	395.3
45°	251.5	260.3	267.0	278.8	286.2	298.0	309.0	323.8	341.5	352.5	361.4
47.5°	227.9	236.7	243.4	254.4	266.2	271.4	283.2	298.7	314.9	323.8	336.3
50°	208.7	211.7	224.2	229.4	241.9	252.2	260.3	273.6	291.3	296.5	306.8
52.5°	190.3	192.5	200.6	207.2	218.3	227.2	237.5	250.0	264.8	272.9	281.0
55°	174.1	175.5	179.2	186.6	194.0	205.0	214.6	226.4	239.0	247.8	255.2
57.5°	155.6	158.6	161.5	165.9	173.3	183.6	194.0	205.0	215.4	221.3	230.8
60°	134.2	138.7	143.8	149.0	154.1	161.5	173.3	183.6	193.2	198.4	205.8
62.5°	111.4	120.2	124.6	130.5	135.0	141.6	150.5	162.3	168.9	175.5	181.4
65°	100.3	101.0	101.8	107.7	115.8	122.4	130.5	139.4	149.7	154.1	158.6
67.5°	89.2	90.0	91.5	92.2	95.1	102.5	111.4	121.0	129.1	132.0	136.4
70°	78.2	78.2	81.1	81.9	82.6	83.3	90.7	100.3	107.7	111.4	116.5
72.5°	66.4	67.1	68.6	69.3	70.8	72.3	74.5	79.7	88.5	92.2	98.1
75°	54.6	55.3	56.1	56.8	59.0	59.7	62.0	64.9	68.6	73.0	76.7
77.5°	43.5	43.5	44.3	45.7	47.2	47.9	50.2	51.6	53.1	55.3	58.3
80°	32.5	33.2	33.2	34.7	34.7	35.4	36.1	38.4	39.8	41.3	42.8
82.5°	22.1	23.6	23.6	23.6	24.3	25.1	25.8	25.8	27.3	28.0	30.2
85°	13.3	14.0	14.0	14.0	13.3	14.8	14.8	15.5	15.5	15.5	16.2
87.5°	5.2	4.4	5.2	5.2	5.2	5.9	5.2	5.2	5.9	6.6	6.6
90°	11.7	11.8	12.0	12.1	12.3	10.6	8.9	7.2	5.5	4.6	4.1
92.5°	11.3	11.2	11.1	11.0	10.9	10.8	10.8	10.7	10.6	10.6	10.3
95°	22.6	22.6	22.6	22.6	22.6	22.4	22.3	22.1	22.0	21.9	21.5
97.5°	35.2	35.2	35.2	35.2	35.2	34.9	34.6	34.3	34.0	33.8	33.5
100°	48.6	48.6	48.6	48.6	48.6	48.4	48.2	47.9	47.7	47.6	47.3
102.5°	63.4	63.3	63.2	63.2	63.1	62.8	62.5	62.2	61.9	61.7	61.5
105°	78.2	78.0	77.9	77.7	77.5	77.3	77.2	77.0	76.9	76.8	76.7
107.5°	93.8	93.7	93.6	93.5	93.4	93.4	93.4	93.4	93.4	93.4	93.2
110°	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.6	109.4

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	125.2	125.5	125.7	126.0	126.2	126.3	126.3	126.4	126.5	126.5	126.3
115°	142.1	142.2	142.3	142.3	142.4	142.6	142.7	142.9	143.0	143.1	142.9
117.5°	157.7	157.9	158.2	158.4	158.6	159.0	159.4	159.8	160.2	160.4	160.1
120°	174.1	174.1	174.1	174.1	174.1	174.7	175.3	176.0	176.6	176.9	176.6
122.5°	190.1	190.3	190.6	190.8	191.0	191.4	191.8	192.2	192.6	192.8	192.4
125°	206.3	206.6	206.8	207.1	207.3	207.5	207.7	208.0	208.2	208.3	207.9
127.5°	221.9	222.2	222.5	222.8	223.1	223.4	223.7	224.0	224.3	224.5	224.1
130°	238.4	238.5	238.7	238.8	239.0	239.2	239.3	239.5	239.6	239.7	239.2
132.5°	253.6	254.0	254.4	254.8	255.2	255.1	255.1	255.0	254.9	254.9	254.5
135°	269.7	269.8	269.9	269.9	270.0	269.8	269.7	269.5	269.4	269.3	268.9
137.5°	284.5	284.6	284.7	284.7	284.8	284.6	284.5	284.3	284.2	284.1	283.7
140°	299.6	299.6	299.6	299.6	299.6	299.2	298.8	298.5	298.1	297.9	297.5
142.5°	313.4	313.3	313.2	313.1	313.0	312.8	312.6	312.3	312.1	312.0	311.6
145°	327.1	327.0	326.9	326.9	326.8	326.3	325.8	325.3	324.8	324.6	324.3
147.5°	339.3	339.2	339.0	338.9	338.7	338.4	338.1	337.8	337.5	337.3	337.0
150°	351.0	350.7	350.5	350.2	350.0	349.7	349.4	349.1	348.8	348.6	348.4
152.5°	362.5	362.2	361.9	361.6	361.3	360.9	360.5	360.1	359.7	359.5	359.3
155°	372.0	371.6	371.3	370.9	370.5	370.3	370.0	369.8	369.5	369.4	369.3
157.5°	381.4	380.9	380.4	379.8	379.3	379.1	379.0	378.8	378.7	378.6	378.5
160°	389.3	388.8	388.3	387.9	387.4	387.3	387.2	387.1	387.0	387.0	386.9
162.5°	396.6	396.1	395.5	395.0	394.4	394.3	394.3	394.2	394.1	394.1	394.1
165°	402.6	402.1	401.5	401.0	400.4	400.4	400.4	400.4	400.4	400.4	400.4
167.5°	407.9	407.4	406.8	406.3	405.7	405.7	405.7	405.7	405.7	405.7	405.8
170°	412.1	411.6	411.0	410.5	409.9	410.0	410.1	410.2	410.3	410.3	410.4
172.5°	415.3	414.8	414.2	413.7	413.1	413.2	413.3	413.4	413.5	413.5	413.6
175°	417.4	416.9	416.3	415.8	415.2	415.4	415.5	415.7	415.8	415.9	416.0
177.5°	418.6	418.1	417.6	417.1	416.6	416.8	416.9	417.1	417.2	417.3	417.4
180°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1061.3	1061.3	1061.3	1061.3
2.5°	1042.1	1039.9	1053.2	1067.9
5°	1020.7	1024.4	1041.4	1062.0
7.5°	998.6	1006.7	1026.6	1053.9
10°	967.6	982.4	1012.6	1040.6
12.5°	937.4	957.3	986.0	1019.2
15°	903.4	925.6	961.0	1000.8
17.5°	865.8	890.9	932.2	975.7
20°	826.0	859.2	902.7	949.9
22.5°	781.8	821.6	866.6	918.9
25°	739.0	782.5	827.5	888.0
27.5°	696.9	739.7	789.9	851.1
30°	654.9	694.0	747.8	813.5
32.5°	609.9	650.5	707.3	774.4
35°	568.6	609.2	662.3	728.7
37.5°	524.4	567.9	618.8	687.4
40°	472.7	523.6	573.0	638.7
42.5°	430.0	483.8	531.7	593.7
45°	396.0	446.9	486.8	547.2
47.5°	364.3	405.6	446.2	502.2
50°	334.1	365.8	407.8	458.0
52.5°	303.1	330.4	366.5	413.7
55°	275.1	300.9	333.4	369.5
57.5°	249.3	267.7	300.2	332.6
60°	220.5	239.7	264.8	292.1
62.5°	196.2	210.9	234.5	257.4
65°	170.4	184.4	202.1	223.5
67.5°	146.8	159.3	173.3	190.3
70°	125.4	135.0	145.3	160.0
72.5°	102.5	112.8	122.4	134.2
75°	84.1	88.5	96.6	104.7
77.5°	64.9	70.8	75.2	81.9
80°	46.5	51.6	53.1	58.3
82.5°	31.0	33.9	36.9	38.4
85°	17.7	19.2	22.1	22.9
87.5°	6.6	7.4	8.9	10.3
90°	3.2	2.3	1.3	0.4
92.5°	9.7	9.0	8.4	7.8
95°	20.7	19.9	19.1	18.3
97.5°	32.8	32.1	31.4	30.7
100°	46.7	46.0	45.4	44.8
102.5°	61.0	60.5	60.1	59.6
105°	76.5	76.2	76.0	75.8
107.5°	92.9	92.6	92.3	92.0
110°	108.9	108.4	108.0	107.5

TEST NUMBER: P999704

CATALOG NUMBER: SA2XXRDIP-B485D330UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	125.8	125.3	124.9	124.4
115°	142.4	141.9	141.5	141.0
117.5°	159.5	158.8	158.2	157.6
120°	176.0	175.3	174.7	174.1
122.5°	191.6	190.9	190.1	189.3
125°	207.2	206.5	205.8	205.1
127.5°	223.2	222.4	221.5	220.7
130°	238.2	237.1	236.1	235.1
132.5°	253.7	252.9	252.1	251.3
135°	268.0	267.1	266.3	265.4
137.5°	283.0	282.3	281.6	280.9
140°	296.8	296.1	295.4	294.7
142.5°	310.9	310.2	309.5	308.8
145°	323.8	323.3	322.7	322.2
147.5°	336.3	335.6	334.9	334.2
150°	347.9	347.4	347.0	346.5
152.5°	358.8	358.3	357.9	357.4
155°	369.1	368.8	368.6	368.4
157.5°	378.4	378.2	378.1	377.9
160°	386.8	386.6	386.5	386.3
162.5°	394.1	394.1	394.1	394.1
165°	400.5	400.6	400.7	400.8
167.5°	406.1	406.3	406.6	406.8
170°	410.7	410.9	411.2	411.4
172.5°	413.8	414.1	414.3	414.5
175°	416.3	416.5	416.8	417.0
177.5°	417.7	417.9	418.2	418.4
180°	417.7	417.7	417.7	417.7

(END OF REPORT)