

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: P999672

Luminaire Tested: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999672
REPORT IS A COMBINATION OF REPORTS P988225 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

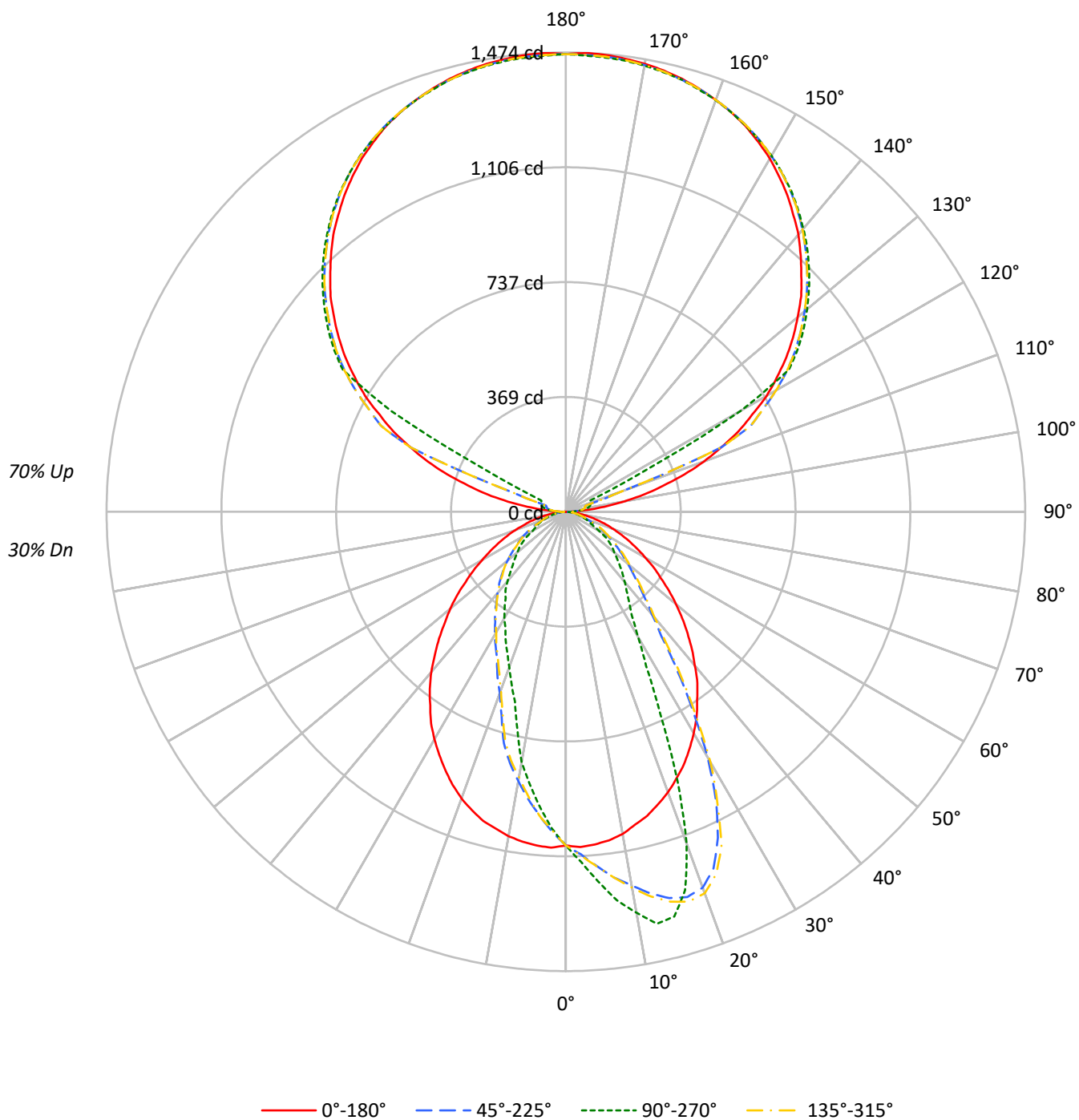
Lumens per Lamp: N/A
Luminaire Lumens: 6157.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 59
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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38
1	94	90	86	83	84	81	78	75	64	62	60	48	47	46	34	33	33
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	29	28
3	79	70	63	58	70	63	57	53	50	46	43	39	36	34	28	26	25
4	72	62	55	49	65	56	50	45	45	41	37	35	32	29	25	23	22
5	66	55	48	42	59	50	44	39	40	36	32	31	28	26	23	21	19
6	61	50	42	37	55	45	39	34	37	32	28	28	25	23	21	19	17
7	57	45	38	32	51	41	34	30	33	28	25	26	23	20	19	17	16
8	52	41	34	29	47	37	31	27	30	26	22	24	21	18	18	16	14
9	49	37	30	26	44	34	28	24	28	23	20	22	19	16	16	14	13
10	46	34	27	23	41	31	25	21	26	21	18	20	17	15	15	13	12

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	1.6
10°-20°	283.4	4.6
20°-30°	364.8	5.9
30°-40°	346.1	5.6
40°-50°	296.6	4.8
50°-60°	225.9	3.7
60°-70°	142.4	2.3
70°-80°	71.1	1.2
80°-90°	20.9	0.3
90°-100°	48.4	0.8
100°-110°	180.5	2.9
110°-120°	478.7	7.8
120°-130°	793.9	12.9
130°-140°	843.3	13.7
140°-150°	783.8	12.7
150°-160°	630.1	10.2
160°-170°	406.0	6.6
170°-180°	139.7	2.3
0°-30°	749.7	12.2
0°-40°	1095.8	17.8
0°-60°	1618.2	26.3
0°-90°	1852.6	30.1
90°-120°	707.6	11.5
90°-150°	3128.5	50.8
90°-180°	4304.0	69.9
0°-180°	6157.0	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°	1	29	1	29	1	5
95°	69	46	69	46	69	82
105°	323	81	323	81	323	345
115°	611	87	611	87	611	601
125°	864	908	864	908	864	770
135°	1069	1104	1069	1104	1069	826
145°	1240	1259	1240	1259	1240	775
155°	1365	1366	1365	1366	1365	629
165°	1438	1435	1438	1435	1438	406
175°	1471	1463	1471	1463	1471	140
180°	1468	1468	1468	1468	1468	

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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°	1.1	3.7	6.3	8.8	11.4	12.7	13.6	15.5	17.4	19.3	21.2
92.5°	26.6	25.6	24.7	23.7	22.8	22.3	22.7	23.4	24.1	24.8	25.5
95°	69.1	61.3	53.5	45.7	37.9	34.0	34.8	36.5	38.1	39.8	41.4
97.5°	124.3	104.9	85.6	66.2	46.9	37.2	39.1	42.9	46.6	50.4	54.2
100°	188.0	155.7	123.3	91.0	58.7	42.5	44.5	48.5	52.6	56.6	60.6
102.5°	258.2	257.7	257.2	256.7	256.2	256.0	234.5	191.6	148.6	105.7	62.7
105°	323.0	330.1	337.1	344.2	351.3	354.8	322.6	258.1	193.7	129.2	64.8
107.5°	398.4	404.3	410.2	416.1	422.0	425.0	385.2	305.6	226.1	146.5	66.9
110°	470.6	475.6	480.6	485.5	490.5	493.0	458.9	390.6	322.4	254.1	185.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	538.6	542.9	547.1	551.4	555.7	557.8	555.8	551.8	547.7	543.7	539.7
115°	610.9	614.9	618.9	622.9	626.9	628.9	631.9	637.8	643.7	649.6	655.5
117.5°	673.6	678.3	683.0	687.7	692.4	694.8	696.8	700.8	704.9	708.9	712.9
120°	743.7	747.2	750.8	754.3	757.8	759.6	761.7	766.0	770.3	774.5	778.8
122.5°	803.2	807.0	810.8	814.5	818.3	820.2	822.6	827.3	832.0	836.7	841.4
125°	863.7	866.8	869.9	873.0	876.1	877.6	879.8	884.3	888.8	893.2	897.7
127.5°	919.0	922.3	925.6	928.9	932.2	933.9	935.7	939.2	942.7	946.3	949.8
130°	971.0	974.8	978.6	982.3	986.1	988.0	989.3	991.9	994.5	997.1	999.7
132.5°	1024.2	1027.3	1030.3	1033.4	1036.5	1038.0	1039.3	1041.9	1044.5	1047.1	1049.7
135°	1068.8	1072.6	1076.4	1080.1	1083.9	1085.8	1086.9	1089.0	1091.1	1093.2	1095.3
137.5°	1115.5	1118.3	1121.2	1124.0	1126.9	1128.3	1129.5	1131.8	1134.2	1136.5	1138.9
140°	1161.2	1163.1	1165.0	1166.9	1168.8	1169.7	1171.0	1173.6	1176.2	1178.8	1181.4
142.5°	1199.5	1201.1	1202.8	1204.4	1206.1	1206.9	1208.4	1211.5	1214.6	1217.6	1220.7
145°	1239.8	1239.6	1239.4	1239.1	1238.9	1238.8	1240.8	1244.8	1248.8	1252.8	1256.8
147.5°	1274.9	1274.2	1273.5	1272.8	1272.1	1271.7	1273.7	1277.7	1281.8	1285.8	1289.8
150°	1308.9	1307.3	1305.6	1304.0	1302.3	1301.5	1303.4	1307.2	1310.9	1314.7	1318.5
152.5°	1337.6	1335.7	1333.8	1331.9	1330.0	1329.1	1330.9	1334.4	1337.9	1341.5	1345.0
155°	1365.2	1363.1	1360.9	1358.8	1356.7	1355.6	1357.0	1359.9	1362.7	1365.6	1368.4
157.5°	1387.5	1385.6	1383.7	1381.8	1379.9	1379.0	1380.1	1382.2	1384.3	1386.5	1388.6
160°	1406.6	1405.2	1403.8	1402.4	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6
162.5°	1423.6	1422.2	1420.8	1419.4	1418.0	1417.3	1417.9	1419.1	1420.2	1421.4	1422.6
165°	1438.5	1437.1	1435.7	1434.2	1432.8	1432.1	1432.5	1433.2	1433.9	1434.6	1435.3
167.5°	1450.2	1448.8	1447.4	1445.9	1444.5	1443.8	1444.2	1444.9	1445.6	1446.3	1447.0
170°	1459.8	1458.4	1457.0	1455.5	1454.1	1453.4	1453.6	1454.1	1454.6	1455.0	1455.5
172.5°	1466.1	1464.7	1463.3	1461.9	1460.5	1459.8	1460.0	1460.5	1461.0	1461.4	1461.9
175°	1471.4	1469.8	1468.1	1466.5	1464.8	1464.0	1464.2	1464.7	1465.2	1465.6	1466.1
177.5°	1473.6	1471.9	1470.3	1468.6	1466.9	1466.1	1466.2	1466.5	1466.7	1467.0	1467.2
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

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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°	22.4	23.6	24.8	26.0	26.6	26.8	27.3	27.8	28.2	28.7	28.2
92.5°	26.0	26.4	26.9	27.4	27.6	27.7	28.0	28.2	28.5	28.7	28.5
95°	42.6	43.8	44.9	46.1	46.7	46.6	46.4	46.1	45.9	45.7	45.9
97.5°	54.9	55.6	56.3	57.0	57.4	57.5	57.7	58.0	58.2	58.4	58.2
100°	62.5	64.4	66.3	68.2	69.1	69.3	69.8	70.3	70.7	71.2	70.7
102.5°	65.3	67.9	70.5	73.1	74.4	74.8	75.5	76.2	76.9	77.6	76.9
105°	67.4	70.0	72.6	75.2	76.5	77.0	77.9	78.8	79.8	80.7	79.8
107.5°	69.5	72.1	74.7	77.3	78.6	79.1	80.0	81.0	81.9	82.9	81.9
110°	162.3	138.7	115.1	91.5	79.7	80.2	81.1	82.0	83.0	83.9	83.0

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	437.9	336.2	234.4	132.7	81.8	82.2	82.9	83.6	84.3	85.0	84.3
115°	546.2	436.9	327.6	218.3	163.6	155.1	138.1	121.1	104.1	87.1	104.1
117.5°	679.1	645.4	611.6	577.9	561.0	530.1	468.2	406.3	344.5	282.6	344.5
120°	781.6	784.4	787.3	790.1	791.5	775.6	743.7	711.8	680.0	648.1	680.0
122.5°	842.8	844.2	845.7	847.1	847.8	847.9	848.2	848.4	848.7	848.9	848.7
125°	899.4	901.0	902.7	904.4	905.2	905.6	906.3	907.0	907.7	908.4	907.7
127.5°	952.2	954.5	956.9	959.2	960.4	960.5	960.8	961.0	961.3	961.5	961.3
130°	1002.3	1004.9	1007.5	1010.1	1011.4	1011.3	1011.1	1010.8	1010.6	1010.4	1010.6
132.5°	1051.8	1053.9	1056.0	1058.1	1059.2	1059.1	1058.9	1058.6	1058.4	1058.2	1058.4
135°	1097.7	1100.1	1102.4	1104.8	1106.0	1105.8	1105.3	1104.8	1104.3	1103.8	1104.3
137.5°	1141.3	1143.6	1146.0	1148.3	1149.5	1149.1	1148.4	1147.7	1147.0	1146.3	1147.0
140°	1183.5	1185.7	1187.8	1189.9	1191.0	1190.4	1189.2	1188.1	1186.9	1185.7	1186.9
142.5°	1222.6	1224.5	1226.4	1228.3	1229.2	1228.6	1227.4	1226.3	1225.1	1223.9	1225.1
145°	1258.5	1260.1	1261.8	1263.5	1264.3	1263.7	1262.5	1261.4	1260.2	1259.0	1260.2
147.5°	1291.0	1292.2	1293.3	1294.5	1295.1	1294.6	1293.7	1292.7	1291.8	1290.8	1291.8
150°	1319.9	1321.3	1322.7	1324.1	1324.8	1324.2	1323.0	1321.9	1320.7	1319.5	1320.7
152.5°	1346.4	1347.8	1349.3	1350.7	1351.4	1350.6	1348.9	1347.3	1345.6	1344.0	1345.6
155°	1369.8	1371.2	1372.7	1374.1	1374.8	1373.9	1372.0	1370.1	1368.2	1366.3	1368.2
157.5°	1390.2	1391.9	1393.5	1395.2	1396.0	1395.1	1393.2	1391.3	1389.4	1387.5	1389.4
160°	1408.0	1409.4	1410.9	1412.3	1413.0	1412.2	1410.5	1408.9	1407.2	1405.6	1407.2
162.5°	1424.2	1425.9	1427.5	1429.2	1430.0	1428.9	1426.8	1424.7	1422.5	1420.4	1422.5
165°	1437.0	1438.6	1440.3	1442.0	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1437.0
167.5°	1448.6	1450.3	1451.9	1453.6	1454.4	1453.3	1451.2	1449.1	1447.0	1444.9	1447.0
170°	1457.1	1458.8	1460.4	1462.1	1462.9	1461.8	1459.7	1457.6	1455.5	1453.4	1455.5
172.5°	1463.5	1465.2	1466.8	1468.5	1469.3	1468.2	1466.1	1464.0	1461.9	1459.8	1461.9
175°	1467.8	1469.4	1471.1	1472.8	1473.6	1472.4	1470.0	1467.7	1465.3	1462.9	1465.3
177.5°	1468.8	1470.5	1472.1	1473.8	1474.6	1473.5	1471.4	1469.3	1467.2	1465.1	1467.2
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

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°	27.8	27.3	26.8	26.6	26.0	24.8	23.6	22.4	21.2	19.3	17.4
92.5°	28.2	28.0	27.7	27.6	27.4	26.9	26.4	26.0	25.5	24.8	24.1
95°	46.1	46.4	46.6	46.7	46.1	44.9	43.8	42.6	41.4	39.8	38.1
97.5°	58.0	57.7	57.5	57.4	57.0	56.3	55.6	54.9	54.2	50.4	46.6
100°	70.3	69.8	69.3	69.1	68.2	66.3	64.4	62.5	60.6	56.6	52.6
102.5°	76.2	75.5	74.8	74.4	73.1	70.5	67.9	65.3	62.7	105.7	148.6
105°	78.8	77.9	77.0	76.5	75.2	72.6	70.0	67.4	64.8	129.2	193.7
107.5°	81.0	80.0	79.1	78.6	77.3	74.7	72.1	69.5	66.9	146.5	226.1
110°	82.0	81.1	80.2	79.7	91.5	115.1	138.7	162.3	185.9	254.1	322.4

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.6	82.9	82.2	81.8	132.7	234.4	336.2	437.9	539.7	543.7	547.7
115°	121.1	138.1	155.1	163.6	218.3	327.6	436.9	546.2	655.5	649.6	643.7
117.5°	406.3	468.2	530.1	561.0	577.9	611.6	645.4	679.1	712.9	708.9	704.9
120°	711.8	743.7	775.6	791.5	790.1	787.3	784.4	781.6	778.8	774.5	770.3
122.5°	848.4	848.2	847.9	847.8	847.1	845.7	844.2	842.8	841.4	836.7	832.0
125°	907.0	906.3	905.6	905.2	904.4	902.7	901.0	899.4	897.7	893.2	888.8
127.5°	961.0	960.8	960.5	960.4	959.2	956.9	954.5	952.2	949.8	946.3	942.7
130°	1010.8	1011.1	1011.3	1011.4	1010.1	1007.5	1004.9	1002.3	999.7	997.1	994.5
132.5°	1058.6	1058.9	1059.1	1059.2	1058.1	1056.0	1053.9	1051.8	1049.7	1047.1	1044.5
135°	1104.8	1105.3	1105.8	1106.0	1104.8	1102.4	1100.1	1097.7	1095.3	1093.2	1091.1
137.5°	1147.7	1148.4	1149.1	1149.5	1148.3	1146.0	1143.6	1141.3	1138.9	1136.5	1134.2
140°	1188.1	1189.2	1190.4	1191.0	1189.9	1187.8	1185.7	1183.5	1181.4	1178.8	1176.2
142.5°	1226.3	1227.4	1228.6	1229.2	1228.3	1226.4	1224.5	1222.6	1220.7	1217.6	1214.6
145°	1261.4	1262.5	1263.7	1264.3	1263.5	1261.8	1260.1	1258.5	1256.8	1252.8	1248.8
147.5°	1292.7	1293.7	1294.6	1295.1	1294.5	1293.3	1292.2	1291.0	1289.8	1285.8	1281.8
150°	1321.9	1323.0	1324.2	1324.8	1324.1	1322.7	1321.3	1319.9	1318.5	1314.7	1310.9
152.5°	1347.3	1348.9	1350.6	1351.4	1350.7	1349.3	1347.8	1346.4	1345.0	1341.5	1337.9
155°	1370.1	1372.0	1373.9	1374.8	1374.1	1372.7	1371.2	1369.8	1368.4	1365.6	1362.7
157.5°	1391.3	1393.2	1395.1	1396.0	1395.2	1393.5	1391.9	1390.2	1388.6	1386.5	1384.3
160°	1408.9	1410.5	1412.2	1413.0	1412.3	1410.9	1409.4	1408.0	1406.6	1405.2	1403.8
162.5°	1424.7	1426.8	1428.9	1430.0	1429.2	1427.5	1425.9	1424.2	1422.6	1421.4	1420.2
165°	1438.6	1440.3	1442.0	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1434.6	1433.9
167.5°	1449.1	1451.2	1453.3	1454.4	1453.6	1451.9	1450.3	1448.6	1447.0	1446.3	1445.6
170°	1457.6	1459.7	1461.8	1462.9	1462.1	1460.4	1458.8	1457.1	1455.5	1455.0	1454.6
172.5°	1464.0	1466.1	1468.2	1469.3	1468.5	1466.8	1465.2	1463.5	1461.9	1461.4	1461.0
175°	1467.7	1470.0	1472.4	1473.6	1472.8	1471.1	1469.4	1467.8	1466.1	1465.6	1465.2
177.5°	1469.3	1471.4	1473.5	1474.6	1473.8	1472.1	1470.5	1468.8	1467.2	1467.0	1466.7
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

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°	15.5	13.6	12.7	11.4	8.8	6.3	3.7	1.1	3.7	6.3	8.8
92.5°	23.4	22.7	22.3	22.8	23.7	24.7	25.6	26.6	25.6	24.7	23.7
95°	36.5	34.8	34.0	37.9	45.7	53.5	61.3	69.1	61.3	53.5	45.7
97.5°	42.9	39.1	37.2	46.9	66.2	85.6	104.9	124.3	104.9	85.6	66.2
100°	48.5	44.5	42.5	58.7	91.0	123.3	155.7	188.0	155.7	123.3	91.0
102.5°	191.6	234.5	256.0	256.2	256.7	257.2	257.7	258.2	257.7	257.2	256.7
105°	258.1	322.6	354.8	351.3	344.2	337.1	330.1	323.0	330.1	337.1	344.2
107.5°	305.6	385.2	425.0	422.0	416.1	410.2	404.3	398.4	404.3	410.2	416.1
110°	390.6	458.9	493.0	490.5	485.5	480.6	475.6	470.6	475.6	480.6	485.5

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	551.8	555.8	557.8	555.7	551.4	547.1	542.9	538.6	542.9	547.1	551.4
115°	637.8	631.9	628.9	626.9	622.9	618.9	614.9	610.9	614.9	618.9	622.9
117.5°	700.8	696.8	694.8	692.4	687.7	683.0	678.3	673.6	678.3	683.0	687.7
120°	766.0	761.7	759.6	757.8	754.3	750.8	747.2	743.7	747.2	750.8	754.3
122.5°	827.3	822.6	820.2	818.3	814.5	810.8	807.0	803.2	807.0	810.8	814.5
125°	884.3	879.8	877.6	876.1	873.0	869.9	866.8	863.7	866.8	869.9	873.0
127.5°	939.2	935.7	933.9	932.2	928.9	925.6	922.3	919.0	922.3	925.6	928.9
130°	991.9	989.3	988.0	986.1	982.3	978.6	974.8	971.0	974.8	978.6	982.3
132.5°	1041.9	1039.3	1038.0	1036.5	1033.4	1030.3	1027.3	1024.2	1027.3	1030.3	1033.4
135°	1089.0	1086.9	1085.8	1083.9	1080.1	1076.4	1072.6	1068.8	1072.6	1076.4	1080.1
137.5°	1131.8	1129.5	1128.3	1126.9	1124.0	1121.2	1118.3	1115.5	1118.3	1121.2	1124.0
140°	1173.6	1171.0	1169.7	1168.8	1166.9	1165.0	1163.1	1161.2	1163.1	1165.0	1166.9
142.5°	1211.5	1208.4	1206.9	1206.1	1204.4	1202.8	1201.1	1199.5	1201.1	1202.8	1204.4
145°	1244.8	1240.8	1238.8	1238.9	1239.1	1239.4	1239.6	1239.8	1239.6	1239.4	1239.1
147.5°	1277.7	1273.7	1271.7	1272.1	1272.8	1273.5	1274.2	1274.9	1274.2	1273.5	1272.8
150°	1307.2	1303.4	1301.5	1302.3	1304.0	1305.6	1307.3	1308.9	1307.3	1305.6	1304.0
152.5°	1334.4	1330.9	1329.1	1330.0	1331.9	1333.8	1335.7	1337.6	1335.7	1333.8	1331.9
155°	1359.9	1357.0	1355.6	1356.7	1358.8	1360.9	1363.1	1365.2	1363.1	1360.9	1358.8
157.5°	1382.2	1380.1	1379.0	1379.9	1381.8	1383.7	1385.6	1387.5	1385.6	1383.7	1381.8
160°	1402.4	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6	1405.2	1403.8	1402.4
162.5°	1419.1	1417.9	1417.3	1418.0	1419.4	1420.8	1422.2	1423.6	1422.2	1420.8	1419.4
165°	1433.2	1432.5	1432.1	1432.8	1434.2	1435.7	1437.1	1438.5	1437.1	1435.7	1434.2
167.5°	1444.9	1444.2	1443.8	1444.5	1445.9	1447.4	1448.8	1450.2	1448.8	1447.4	1445.9
170°	1454.1	1453.6	1453.4	1454.1	1455.5	1457.0	1458.4	1459.8	1458.4	1457.0	1455.5
172.5°	1460.5	1460.0	1459.8	1460.5	1461.9	1463.3	1464.7	1466.1	1464.7	1463.3	1461.9
175°	1464.7	1464.2	1464.0	1464.8	1466.5	1468.1	1469.8	1471.4	1469.8	1468.1	1466.5
177.5°	1466.5	1466.2	1466.1	1466.9	1468.6	1470.3	1471.9	1473.6	1471.9	1470.3	1468.6
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

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°	11.4	12.7	13.6	15.5	17.4	19.3	21.2	22.4	23.6	24.8	26.0
92.5°	22.8	22.3	22.7	23.4	24.1	24.8	25.5	26.0	26.4	26.9	27.4
95°	37.9	34.0	34.8	36.5	38.1	39.8	41.4	42.6	43.8	44.9	46.1
97.5°	46.9	37.2	39.1	42.9	46.6	50.4	54.2	54.9	55.6	56.3	57.0
100°	58.7	42.5	44.5	48.5	52.6	56.6	60.6	62.5	64.4	66.3	68.2
102.5°	256.2	256.0	234.5	191.6	148.6	105.7	62.7	65.3	67.9	70.5	73.1
105°	351.3	354.8	322.6	258.1	193.7	129.2	64.8	67.4	70.0	72.6	75.2
107.5°	422.0	425.0	385.2	305.6	226.1	146.5	66.9	69.5	72.1	74.7	77.3
110°	490.5	493.0	458.9	390.6	322.4	254.1	185.9	162.3	138.7	115.1	91.5

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	555.7	557.8	555.8	551.8	547.7	543.7	539.7	437.9	336.2	234.4	132.7
115°	626.9	628.9	631.9	637.8	643.7	649.6	655.5	546.2	436.9	327.6	218.3
117.5°	692.4	694.8	696.8	700.8	704.9	708.9	712.9	679.1	645.4	611.6	577.9
120°	757.8	759.6	761.7	766.0	770.3	774.5	778.8	781.6	784.4	787.3	790.1
122.5°	818.3	820.2	822.6	827.3	832.0	836.7	841.4	842.8	844.2	845.7	847.1
125°	876.1	877.6	879.8	884.3	888.8	893.2	897.7	899.4	901.0	902.7	904.4
127.5°	932.2	933.9	935.7	939.2	942.7	946.3	949.8	952.2	954.5	956.9	959.2
130°	986.1	988.0	989.3	991.9	994.5	997.1	999.7	1002.3	1004.9	1007.5	1010.1
132.5°	1036.5	1038.0	1039.3	1041.9	1044.5	1047.1	1049.7	1051.8	1053.9	1056.0	1058.1
135°	1083.9	1085.8	1086.9	1089.0	1091.1	1093.2	1095.3	1097.7	1100.1	1102.4	1104.8
137.5°	1126.9	1128.3	1129.5	1131.8	1134.2	1136.5	1138.9	1141.3	1143.6	1146.0	1148.3
140°	1168.8	1169.7	1171.0	1173.6	1176.2	1178.8	1181.4	1183.5	1185.7	1187.8	1189.9
142.5°	1206.1	1206.9	1208.4	1211.5	1214.6	1217.6	1220.7	1222.6	1224.5	1226.4	1228.3
145°	1238.9	1238.8	1240.8	1244.8	1248.8	1252.8	1256.8	1258.5	1260.1	1261.8	1263.5
147.5°	1272.1	1271.7	1273.7	1277.7	1281.8	1285.8	1289.8	1291.0	1292.2	1293.3	1294.5
150°	1302.3	1301.5	1303.4	1307.2	1310.9	1314.7	1318.5	1319.9	1321.3	1322.7	1324.1
152.5°	1330.0	1329.1	1330.9	1334.4	1337.9	1341.5	1345.0	1346.4	1347.8	1349.3	1350.7
155°	1356.7	1355.6	1357.0	1359.9	1362.7	1365.6	1368.4	1369.8	1371.2	1372.7	1374.1
157.5°	1379.9	1379.0	1380.1	1382.2	1384.3	1386.5	1388.6	1390.2	1391.9	1393.5	1395.2
160°	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6	1408.0	1409.4	1410.9	1412.3
162.5°	1418.0	1417.3	1417.9	1419.1	1420.2	1421.4	1422.6	1424.2	1425.9	1427.5	1429.2
165°	1432.8	1432.1	1432.5	1433.2	1433.9	1434.6	1435.3	1437.0	1438.6	1440.3	1442.0
167.5°	1444.5	1443.8	1444.2	1444.9	1445.6	1446.3	1447.0	1448.6	1450.3	1451.9	1453.6
170°	1454.1	1453.4	1453.6	1454.1	1454.6	1455.0	1455.5	1457.1	1458.8	1460.4	1462.1
172.5°	1460.5	1459.8	1460.0	1460.5	1461.0	1461.4	1461.9	1463.5	1465.2	1466.8	1468.5
175°	1464.8	1464.0	1464.2	1464.7	1465.2	1465.6	1466.1	1467.8	1469.4	1471.1	1472.8
177.5°	1466.9	1466.1	1466.2	1466.5	1466.7	1467.0	1467.2	1468.8	1470.5	1472.1	1473.8
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

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°	26.6	26.8	27.3	27.8	28.2	28.7	28.2	27.8	27.3	26.8	26.6
92.5°	27.6	27.7	28.0	28.2	28.5	28.7	28.5	28.2	28.0	27.7	27.6
95°	46.7	46.6	46.4	46.1	45.9	45.7	45.9	46.1	46.4	46.6	46.7
97.5°	57.4	57.5	57.7	58.0	58.2	58.4	58.2	58.0	57.7	57.5	57.4
100°	69.1	69.3	69.8	70.3	70.7	71.2	70.7	70.3	69.8	69.3	69.1
102.5°	74.4	74.8	75.5	76.2	76.9	77.6	76.9	76.2	75.5	74.8	74.4
105°	76.5	77.0	77.9	78.8	79.8	80.7	79.8	78.8	77.9	77.0	76.5
107.5°	78.6	79.1	80.0	81.0	81.9	82.9	81.9	81.0	80.0	79.1	78.6
110°	79.7	80.2	81.1	82.0	83.0	83.9	83.0	82.0	81.1	80.2	79.7

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.8	82.2	82.9	83.6	84.3	85.0	84.3	83.6	82.9	82.2	81.8
115°	163.6	155.1	138.1	121.1	104.1	87.1	104.1	121.1	138.1	155.1	163.6
117.5°	561.0	530.1	468.2	406.3	344.5	282.6	344.5	406.3	468.2	530.1	561.0
120°	791.5	775.6	743.7	711.8	680.0	648.1	680.0	711.8	743.7	775.6	791.5
122.5°	847.8	847.9	848.2	848.4	848.7	848.9	848.7	848.4	848.2	847.9	847.8
125°	905.2	905.6	906.3	907.0	907.7	908.4	907.7	907.0	906.3	905.6	905.2
127.5°	960.4	960.5	960.8	961.0	961.3	961.5	961.3	961.0	960.8	960.5	960.4
130°	1011.4	1011.3	1011.1	1010.8	1010.6	1010.4	1010.6	1010.8	1011.1	1011.3	1011.4
132.5°	1059.2	1059.1	1058.9	1058.6	1058.4	1058.2	1058.4	1058.6	1058.9	1059.1	1059.2
135°	1106.0	1105.8	1105.3	1104.8	1104.3	1103.8	1104.3	1104.8	1105.3	1105.8	1106.0
137.5°	1149.5	1149.1	1148.4	1147.7	1147.0	1146.3	1147.0	1147.7	1148.4	1149.1	1149.5
140°	1191.0	1190.4	1189.2	1188.1	1186.9	1185.7	1186.9	1188.1	1189.2	1190.4	1191.0
142.5°	1229.2	1228.6	1227.4	1226.3	1225.1	1223.9	1225.1	1226.3	1227.4	1228.6	1229.2
145°	1264.3	1263.7	1262.5	1261.4	1260.2	1259.0	1260.2	1261.4	1262.5	1263.7	1264.3
147.5°	1295.1	1294.6	1293.7	1292.7	1291.8	1290.8	1291.8	1292.7	1293.7	1294.6	1295.1
150°	1324.8	1324.2	1323.0	1321.9	1320.7	1319.5	1320.7	1321.9	1323.0	1324.2	1324.8
152.5°	1351.4	1350.6	1348.9	1347.3	1345.6	1344.0	1345.6	1347.3	1348.9	1350.6	1351.4
155°	1374.8	1373.9	1372.0	1370.1	1368.2	1366.3	1368.2	1370.1	1372.0	1373.9	1374.8
157.5°	1396.0	1395.1	1393.2	1391.3	1389.4	1387.5	1389.4	1391.3	1393.2	1395.1	1396.0
160°	1413.0	1412.2	1410.5	1408.9	1407.2	1405.6	1407.2	1408.9	1410.5	1412.2	1413.0
162.5°	1430.0	1428.9	1426.8	1424.7	1422.5	1420.4	1422.5	1424.7	1426.8	1428.9	1430.0
165°	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1437.0	1438.6	1440.3	1442.0	1442.8
167.5°	1454.4	1453.3	1451.2	1449.1	1447.0	1444.9	1447.0	1449.1	1451.2	1453.3	1454.4
170°	1462.9	1461.8	1459.7	1457.6	1455.5	1453.4	1455.5	1457.6	1459.7	1461.8	1462.9
172.5°	1469.3	1468.2	1466.1	1464.0	1461.9	1459.8	1461.9	1464.0	1466.1	1468.2	1469.3
175°	1473.6	1472.4	1470.0	1467.7	1465.3	1462.9	1465.3	1467.7	1470.0	1472.4	1473.6
177.5°	1474.6	1473.5	1471.4	1469.3	1467.2	1465.1	1467.2	1469.3	1471.4	1473.5	1474.6
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

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°	26.0	24.8	23.6	22.4	21.2	19.3	17.4	15.5	13.6	12.7	11.4
92.5°	27.4	26.9	26.4	26.0	25.5	24.8	24.1	23.4	22.7	22.3	22.8
95°	46.1	44.9	43.8	42.6	41.4	39.8	38.1	36.5	34.8	34.0	37.9
97.5°	57.0	56.3	55.6	54.9	54.2	50.4	46.6	42.9	39.1	37.2	46.9
100°	68.2	66.3	64.4	62.5	60.6	56.6	52.6	48.5	44.5	42.5	58.7
102.5°	73.1	70.5	67.9	65.3	62.7	105.7	148.6	191.6	234.5	256.0	256.2
105°	75.2	72.6	70.0	67.4	64.8	129.2	193.7	258.1	322.6	354.8	351.3
107.5°	77.3	74.7	72.1	69.5	66.9	146.5	226.1	305.6	385.2	425.0	422.0
110°	91.5	115.1	138.7	162.3	185.9	254.1	322.4	390.6	458.9	493.0	490.5

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	132.7	234.4	336.2	437.9	539.7	543.7	547.7	551.8	555.8	557.8	555.7
115°	218.3	327.6	436.9	546.2	655.5	649.6	643.7	637.8	631.9	628.9	626.9
117.5°	577.9	611.6	645.4	679.1	712.9	708.9	704.9	700.8	696.8	694.8	692.4
120°	790.1	787.3	784.4	781.6	778.8	774.5	770.3	766.0	761.7	759.6	757.8
122.5°	847.1	845.7	844.2	842.8	841.4	836.7	832.0	827.3	822.6	820.2	818.3
125°	904.4	902.7	901.0	899.4	897.7	893.2	888.8	884.3	879.8	877.6	876.1
127.5°	959.2	956.9	954.5	952.2	949.8	946.3	942.7	939.2	935.7	933.9	932.2
130°	1010.1	1007.5	1004.9	1002.3	999.7	997.1	994.5	991.9	989.3	988.0	986.1
132.5°	1058.1	1056.0	1053.9	1051.8	1049.7	1047.1	1044.5	1041.9	1039.3	1038.0	1036.5
135°	1104.8	1102.4	1100.1	1097.7	1095.3	1093.2	1091.1	1089.0	1086.9	1085.8	1083.9
137.5°	1148.3	1146.0	1143.6	1141.3	1138.9	1136.5	1134.2	1131.8	1129.5	1128.3	1126.9
140°	1189.9	1187.8	1185.7	1183.5	1181.4	1178.8	1176.2	1173.6	1171.0	1169.7	1168.8
142.5°	1228.3	1226.4	1224.5	1222.6	1220.7	1217.6	1214.6	1211.5	1208.4	1206.9	1206.1
145°	1263.5	1261.8	1260.1	1258.5	1256.8	1252.8	1248.8	1244.8	1240.8	1238.8	1238.9
147.5°	1294.5	1293.3	1292.2	1291.0	1289.8	1285.8	1281.8	1277.7	1273.7	1271.7	1272.1
150°	1324.1	1322.7	1321.3	1319.9	1318.5	1314.7	1310.9	1307.2	1303.4	1301.5	1302.3
152.5°	1350.7	1349.3	1347.8	1346.4	1345.0	1341.5	1337.9	1334.4	1330.9	1329.1	1330.0
155°	1374.1	1372.7	1371.2	1369.8	1368.4	1365.6	1362.7	1359.9	1357.0	1355.6	1356.7
157.5°	1395.2	1393.5	1391.9	1390.2	1388.6	1386.5	1384.3	1382.2	1380.1	1379.0	1379.9
160°	1412.3	1410.9	1409.4	1408.0	1406.6	1405.2	1403.8	1402.4	1401.0	1400.3	1401.0
162.5°	1429.2	1427.5	1425.9	1424.2	1422.6	1421.4	1420.2	1419.1	1417.9	1417.3	1418.0
165°	1442.0	1440.3	1438.6	1437.0	1435.3	1434.6	1433.9	1433.2	1432.5	1432.1	1432.8
167.5°	1453.6	1451.9	1450.3	1448.6	1447.0	1446.3	1445.6	1444.9	1444.2	1443.8	1444.5
170°	1462.1	1460.4	1458.8	1457.1	1455.5	1455.0	1454.6	1454.1	1453.6	1453.4	1454.1
172.5°	1468.5	1466.8	1465.2	1463.5	1461.9	1461.4	1461.0	1460.5	1460.0	1459.8	1460.5
175°	1472.8	1471.1	1469.4	1467.8	1466.1	1465.6	1465.2	1464.7	1464.2	1464.0	1464.8
177.5°	1473.8	1472.1	1470.5	1468.8	1467.2	1467.0	1466.7	1466.5	1466.2	1466.1	1466.9
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

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°	8.8	6.3	3.7	1.1
92.5°	23.7	24.7	25.6	26.6
95°	45.7	53.5	61.3	69.1
97.5°	66.2	85.6	104.9	124.3
100°	91.0	123.3	155.7	188.0
102.5°	256.7	257.2	257.7	258.2
105°	344.2	337.1	330.1	323.0
107.5°	416.1	410.2	404.3	398.4
110°	485.5	480.6	475.6	470.6

TEST NUMBER: P999672

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	551.4	547.1	542.9	538.6
115°	622.9	618.9	614.9	610.9
117.5°	687.7	683.0	678.3	673.6
120°	754.3	750.8	747.2	743.7
122.5°	814.5	810.8	807.0	803.2
125°	873.0	869.9	866.8	863.7
127.5°	928.9	925.6	922.3	919.0
130°	982.3	978.6	974.8	971.0
132.5°	1033.4	1030.3	1027.3	1024.2
135°	1080.1	1076.4	1072.6	1068.8
137.5°	1124.0	1121.2	1118.3	1115.5
140°	1166.9	1165.0	1163.1	1161.2
142.5°	1204.4	1202.8	1201.1	1199.5
145°	1239.1	1239.4	1239.6	1239.8
147.5°	1272.8	1273.5	1274.2	1274.9
150°	1304.0	1305.6	1307.3	1308.9
152.5°	1331.9	1333.8	1335.7	1337.6
155°	1358.8	1360.9	1363.1	1365.2
157.5°	1381.8	1383.7	1385.6	1387.5
160°	1402.4	1403.8	1405.2	1406.6
162.5°	1419.4	1420.8	1422.2	1423.6
165°	1434.2	1435.7	1437.1	1438.5
167.5°	1445.9	1447.4	1448.8	1450.2
170°	1455.5	1457.0	1458.4	1459.8
172.5°	1461.9	1463.3	1464.7	1466.1
175°	1466.5	1468.1	1469.8	1471.4
177.5°	1468.6	1470.3	1471.9	1473.6
180°	1468.3	1468.3	1468.3	1468.3

(END OF REPORT)