

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: P999674

Luminaire Tested: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999674
REPORT IS A COMBINATION OF REPORTS P988227 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_4000K
Description: Define 2 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

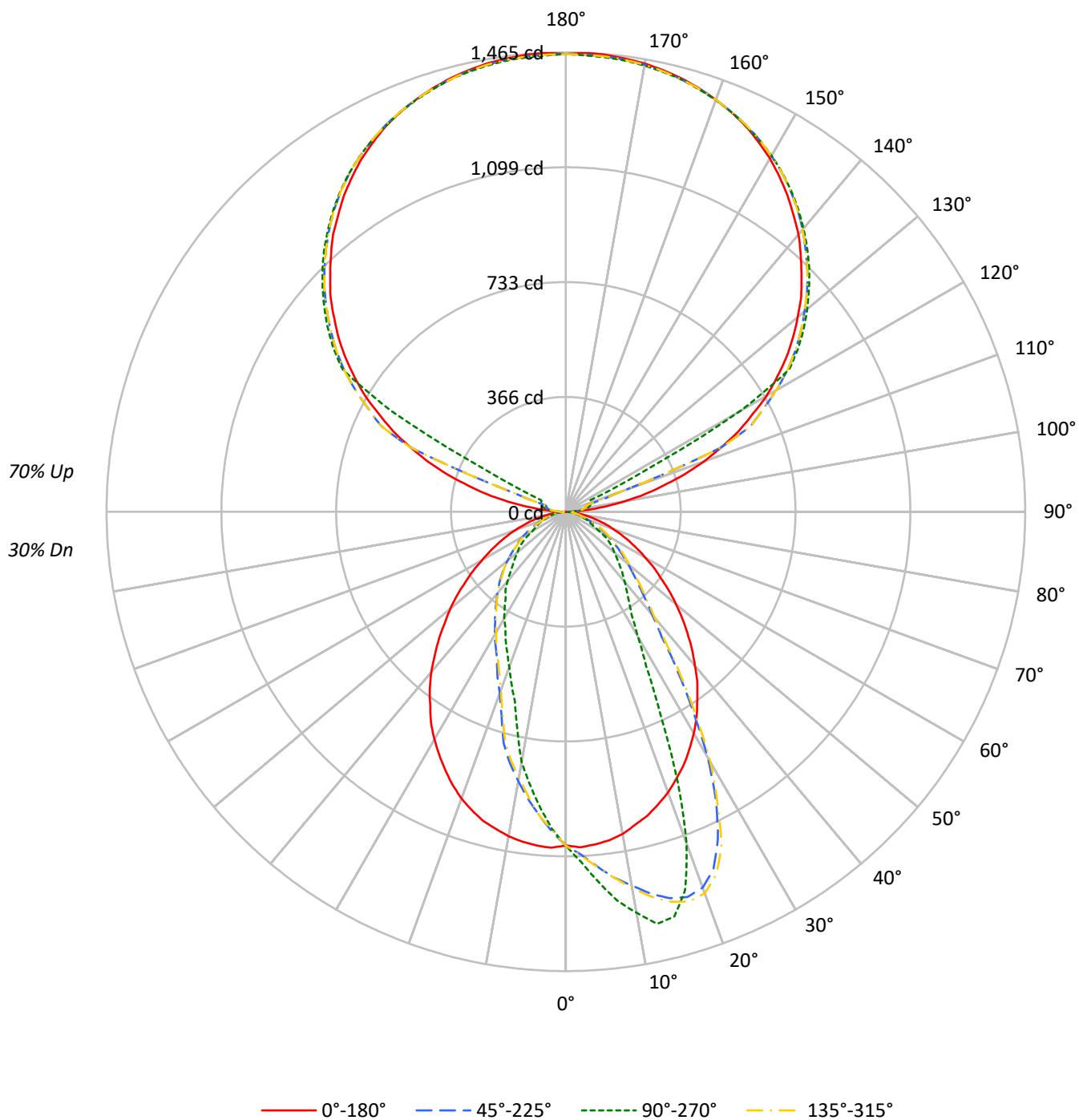
Lumens per Lamp: N/A
Luminaire Lumens: 6121.0 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30			
1	94	90	86	83	84	81	78	75	64	62	60	48	47	46	34	33	33	26			
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	29	28	23			
3	79	70	63	58	70	63	57	53	50	46	43	39	36	34	28	26	25	20			
4	72	62	55	49	65	56	50	45	45	41	37	35	32	29	25	23	22	18			
5	66	55	48	42	59	50	44	39	40	36	32	31	28	26	23	21	19	16			
6	61	50	42	37	55	45	39	34	37	32	28	28	25	23	21	19	17	14			
7	57	45	38	32	51	41	34	30	33	28	25	26	23	20	19	17	16	13			
8	52	41	34	29	47	37	31	27	30	26	22	24	21	18	18	16	14	12			
9	49	37	30	26	44	34	28	24	28	23	20	22	19	16	16	14	13	11			
10	46	34	27	23	41	31	25	21	26	21	18	20	17	15	15	13	12	10			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16846	16846	16846	16846
5°	16884	17893	16943	14293
10°	16699	18911	16816	11803
15°	16336	18917	16612	8868
20°	15900	15637	16246	7316
25°	15372	9771	15704	6224
30°	14697	6256	15097	5358
35°	13875	4808	14325	4585
40°	12961	4041	13516	4011
45°	11984	3439	12484	3367
50°	10981	2923	11495	2911
55°	9872	2539	10405	2506
60°	8885	1937	9358	1913
65°	7967	1457	8439	1653
70°	6951	1164	7492	1348
75°	5874	892	6411	1018
80°	4663	605	5022	669
85°	3235	313	3546	332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 15410 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	1.6
10°-20°	281.7	4.6
20°-30°	362.6	5.9
30°-40°	344.0	5.6
40°-50°	294.8	4.8
50°-60°	224.5	3.7
60°-70°	141.6	2.3
70°-80°	70.6	1.2
80°-90°	20.7	0.3
90°-100°	48.2	0.8
100°-110°	179.4	2.9
110°-120°	475.9	7.8
120°-130°	789.3	12.9
130°-140°	838.4	13.7
140°-150°	779.2	12.7
150°-160°	626.5	10.2
160°-170°	403.7	6.6
170°-180°	138.9	2.3
0°-30°	745.3	12.2
0°-40°	1089.3	17.8
0°-60°	1608.6	26.3
0°-90°	1841.6	30.1
90°-120°	703.5	11.5
90°-150°	3110.4	50.8
90°-180°	4279.0	69.9
0°-180°	6121.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1064	1064	1064	1064	1064	
5°	1065	1184	1069	946	1065	101
15°	1004	1336	1020	626	1004	282
25°	890	713	910	454	890	409
35°	731	351	754	335	731	457
45°	549	244	572	239	549	424
55°	370	169	390	167	370	334
65°	224	88	237	100	224	222
75°	105	47	115	53	105	114
85°	23	13	25	14	23	26
90°	1	28	1	28	1	5
95°	69	45	69	45	69	81
105°	321	80	321	80	321	343
115°	607	87	607	87	607	598
125°	859	903	859	903	859	766
135°	1063	1097	1063	1097	1063	821
145°	1233	1252	1233	1252	1233	771
155°	1357	1358	1357	1358	1357	625
165°	1430	1427	1430	1427	1430	404
175°	1463	1454	1463	1454	1463	139
180°	1460	1460	1460	1460	1460	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1070.8	1075.3	1077.5	1080.4	1087.1	1091.5	1098.2	1099.7	1098.9	1101.9	1093.7
5°	1064.9	1074.5	1083.4	1090.8	1102.6	1110.0	1118.1	1127.8	1130.0	1141.1	1134.4
7.5°	1056.8	1070.8	1083.4	1098.2	1115.9	1125.5	1138.1	1152.9	1159.6	1172.9	1176.6
10°	1043.5	1063.4	1084.9	1100.4	1124.8	1141.8	1153.6	1177.3	1192.8	1212.8	1209.8
12.5°	1022.0	1047.9	1076.7	1102.6	1134.4	1145.5	1167.7	1192.1	1212.1	1230.6	1246.8
15°	1003.5	1033.1	1064.9	1096.7	1132.9	1153.6	1175.8	1207.6	1229.1	1261.6	1275.7
17.5°	978.4	1016.1	1053.8	1089.3	1132.2	1155.9	1183.2	1214.3	1246.1	1277.1	1288.2
20°	952.5	993.2	1033.8	1081.9	1130.7	1153.6	1181.7	1220.2	1251.3	1275.7	1275.7
22.5°	921.4	971.0	1017.6	1063.4	1116.7	1149.9	1178.8	1223.9	1246.1	1251.3	1231.3
25°	890.4	939.9	990.9	1047.9	1108.5	1138.1	1170.6	1212.8	1220.2	1199.5	1147.7
27.5°	853.4	908.9	966.5	1027.9	1091.5	1128.5	1158.1	1186.2	1172.1	1116.7	1036.1
30°	815.7	875.6	940.7	999.1	1076.0	1110.0	1135.2	1143.3	1098.9	1008.7	904.4
32.5°	776.5	834.9	903.7	973.9	1051.6	1084.1	1100.4	1078.9	997.6	883.7	756.5
35°	730.6	796.5	868.2	941.4	1018.3	1042.7	1052.3	999.8	895.6	748.4	621.9
37.5°	689.2	755.0	832.0	906.6	981.3	994.6	985.0	902.9	770.6	624.9	501.4
40°	640.4	710.7	786.1	869.7	931.0	934.7	911.1	804.6	640.4	503.6	427.4
42.5°	595.3	666.3	741.7	826.8	873.4	860.8	829.0	689.2	534.7	434.1	372.7
45°	548.7	616.0	697.4	772.8	806.1	776.5	728.4	579.8	448.9	373.5	326.1
47.5°	503.6	566.5	647.1	719.5	725.5	692.2	635.2	485.9	389.0	328.3	289.9
50°	459.2	522.1	597.5	657.4	651.5	605.7	541.3	422.3	338.0	289.9	258.1
52.5°	414.9	471.8	545.0	592.4	567.2	522.8	459.2	357.9	295.1	252.9	228.5
55°	370.5	423.7	486.6	525.8	485.9	434.8	389.7	306.9	255.9	221.9	203.4
57.5°	333.5	375.7	433.4	457.0	409.0	369.0	329.8	264.0	221.9	197.5	176.0
60°	292.8	331.3	378.6	392.7	343.1	310.6	277.3	223.3	190.1	168.6	154.6
62.5°	258.1	289.9	326.1	326.1	282.5	258.1	232.9	187.1	159.7	142.7	136.1
65°	224.1	247.0	272.9	269.9	232.9	211.5	191.5	154.6	133.9	122.0	115.4
67.5°	190.8	208.5	225.6	215.2	188.6	170.1	151.6	125.0	110.9	102.8	93.9
70°	160.5	174.5	183.4	173.8	147.2	131.6	118.3	100.6	89.5	79.1	74.0
72.5°	134.6	140.5	143.5	131.6	109.4	100.6	91.0	78.4	68.8	63.6	62.1
75°	105.0	110.2	108.0	99.1	80.6	74.0	66.6	57.7	55.5	52.5	51.0
77.5°	82.1	82.1	78.4	70.3	57.7	52.5	49.5	45.1	42.9	42.2	40.7
80°	58.4	57.7	55.5	46.6	39.2	36.2	36.2	33.3	32.5	31.1	31.1
82.5°	38.5	38.5	35.5	28.1	25.9	25.1	24.4	22.9	22.9	22.2	22.2
85°	22.9	21.4	17.7	15.5	14.8	14.8	14.1	13.3	14.1	13.3	13.3
87.5°	10.4	8.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
90°	1.1	3.7	6.3	8.8	11.4	12.7	13.6	15.5	17.4	19.2	21.1
92.5°	26.4	25.5	24.5	23.6	22.7	22.2	22.5	23.2	23.9	24.6	25.3
95°	68.7	60.9	53.2	45.4	37.7	33.8	34.6	36.3	37.9	39.6	41.2
97.5°	123.6	104.4	85.1	65.9	46.6	37.0	38.9	42.6	46.4	50.1	53.9
100°	187.0	154.8	122.6	90.5	58.3	42.2	44.2	48.2	52.2	56.2	60.2
102.5°	256.7	256.2	255.8	255.3	254.8	254.6	233.2	190.5	147.8	105.0	62.3
105°	321.1	328.1	335.2	342.2	349.3	352.8	320.8	256.7	192.6	128.5	64.4
107.5°	396.1	402.0	407.8	413.7	419.6	422.5	382.9	303.8	224.7	145.6	66.5
110°	467.9	472.8	477.8	482.7	487.6	490.1	456.2	388.3	320.5	252.6	184.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	535.5	539.7	543.9	548.2	552.4	554.5	552.5	548.5	544.6	540.6	536.6
115°	607.3	611.3	615.3	619.3	623.3	625.3	628.2	634.1	640.0	645.8	651.7
117.5°	669.7	674.4	679.1	683.8	688.5	690.8	692.8	696.8	700.7	704.7	708.7
120°	739.4	742.9	746.4	749.9	753.4	755.2	757.3	761.5	765.8	770.0	774.2
122.5°	798.5	802.3	806.0	809.8	813.5	815.4	817.7	822.4	827.1	831.8	836.5
125°	858.7	861.8	864.8	867.9	871.0	872.5	874.7	879.2	883.6	888.1	892.5
127.5°	913.7	917.0	920.2	923.5	926.8	928.4	930.2	933.7	937.2	940.8	944.3
130°	965.4	969.2	972.9	976.7	980.4	982.3	983.6	986.2	988.7	991.3	993.9
132.5°	1018.2	1021.3	1024.3	1027.4	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6
135°	1062.6	1066.4	1070.1	1073.9	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0
137.5°	1109.1	1111.9	1114.7	1117.5	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3
140°	1154.5	1156.4	1158.2	1160.1	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5
142.5°	1192.5	1194.1	1195.8	1197.4	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6
145°	1232.6	1232.4	1232.2	1231.9	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5
147.5°	1267.5	1266.8	1266.1	1265.4	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3
150°	1301.3	1299.7	1298.0	1296.4	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8
152.5°	1329.8	1327.9	1326.1	1324.2	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2
155°	1357.3	1355.2	1353.1	1351.0	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4
157.5°	1379.5	1377.6	1375.7	1373.8	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5
160°	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5
162.5°	1415.4	1414.0	1412.6	1411.1	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3
165°	1430.2	1428.8	1427.4	1425.9	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0
167.5°	1441.8	1440.4	1439.0	1437.5	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6
170°	1451.3	1449.9	1448.5	1447.0	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1
172.5°	1457.6	1456.2	1454.8	1453.4	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4
175°	1462.9	1461.3	1459.6	1458.0	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6
177.5°	1465.0	1463.4	1461.7	1460.1	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1101.9	1103.4	1105.6	1115.9	1117.4	1120.4	1118.9	1118.9	1119.6	1118.1	1118.9
5°	1149.2	1151.4	1162.5	1175.1	1178.0	1175.1	1178.8	1184.0	1184.0	1184.0	1182.5
7.5°	1193.6	1201.7	1214.3	1232.8	1236.5	1240.2	1246.8	1242.4	1243.9	1250.5	1248.3
10°	1236.5	1248.3	1262.3	1277.9	1286.0	1291.2	1294.1	1300.8	1316.3	1298.6	1305.2
12.5°	1277.1	1294.1	1308.9	1325.9	1331.9	1338.5	1340.7	1346.7	1346.7	1345.9	1351.1
15°	1303.8	1319.3	1332.6	1343.7	1345.2	1343.7	1342.2	1343.0	1345.2	1336.3	1341.5
17.5°	1309.7	1311.2	1315.6	1311.2	1311.9	1296.4	1287.5	1285.3	1264.6	1265.3	1282.3
20°	1280.8	1255.7	1249.0	1224.6	1209.8	1169.9	1168.4	1157.3	1113.7	1127.0	1124.1
22.5°	1201.7	1158.8	1101.9	1073.8	1059.7	1017.6	985.0	962.1	946.6	931.0	924.4
25°	1097.4	1027.9	947.3	891.9	883.7	844.5	784.6	756.5	723.2	712.9	730.6
27.5°	962.8	872.6	781.7	696.6	681.1	645.6	615.3	595.3	556.9	554.6	556.1
30°	780.2	689.2	613.1	557.6	519.1	502.9	482.9	468.1	452.6	458.5	460.0
32.5°	641.2	554.6	483.6	454.1	436.3	426.0	409.0	399.3	392.7	390.5	389.7
35°	509.5	451.8	420.0	391.2	380.8	373.5	360.9	356.4	350.5	351.3	351.3
37.5°	436.3	388.2	364.6	349.8	340.2	336.5	328.3	323.9	320.2	318.7	320.9
40°	376.4	343.1	328.3	315.0	306.9	305.4	301.0	295.8	291.4	292.1	294.3
42.5°	332.8	313.6	295.8	285.5	279.5	277.3	273.6	269.9	269.9	267.7	267.0
45°	298.0	282.5	267.7	258.1	254.4	251.4	247.0	246.3	243.3	244.0	244.8
47.5°	267.0	254.4	243.3	233.7	230.0	229.2	224.8	221.9	221.9	221.1	220.4
50°	238.9	226.3	216.7	211.5	206.3	204.8	204.1	203.4	201.9	201.9	202.6
52.5°	215.9	203.4	196.0	191.5	188.6	187.1	187.1	186.4	186.4	186.4	185.6
55°	190.8	180.4	174.5	173.0	171.6	170.8	170.1	168.6	167.9	169.3	167.9
57.5°	167.1	163.4	158.3	156.8	153.1	153.1	150.9	149.4	147.9	149.4	149.4
60°	148.6	143.5	140.5	136.1	133.1	130.2	126.5	125.7	124.2	123.5	122.8
62.5°	129.4	125.0	117.6	110.9	106.5	103.5	102.1	101.3	101.3	100.6	100.6
65°	108.0	97.6	93.9	91.7	91.0	90.2	88.7	88.0	88.7	88.0	88.7
67.5°	84.3	82.8	80.6	79.1	78.4	77.6	77.6	76.9	76.9	76.9	76.9
70°	73.2	69.5	68.8	67.3	67.3	66.6	66.6	66.6	66.6	65.8	67.3
72.5°	60.6	58.4	57.7	56.9	56.9	56.9	56.2	56.2	56.2	55.5	56.2
75°	49.5	48.8	47.3	47.3	46.6	47.3	46.6	46.6	45.8	46.6	46.6
77.5°	39.9	39.2	38.5	38.5	37.7	37.7	37.7	37.7	37.7	37.7	38.5
80°	30.3	29.6	28.8	29.6	28.8	29.6	28.8	28.8	29.6	28.8	28.8
82.5°	22.2	21.4	21.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
85°	13.3	12.6	12.6	13.3	12.6	13.3	12.6	12.6	12.6	13.3	13.3
87.5°	5.9	6.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.7
90°	22.3	23.5	24.6	25.8	26.4	26.6	27.1	27.6	28.0	28.5	28.0
92.5°	25.8	26.3	26.8	27.3	27.5	27.6	27.8	28.1	28.3	28.5	28.3
95°	42.4	43.6	44.7	45.9	46.5	46.4	46.1	45.9	45.6	45.4	45.6
97.5°	54.6	55.3	56.0	56.7	57.0	57.1	57.4	57.6	57.9	58.1	57.9
100°	62.1	64.0	65.9	67.8	68.7	68.9	69.4	69.9	70.3	70.8	70.3
102.5°	64.9	67.5	70.0	72.6	73.9	74.3	75.0	75.7	76.4	77.1	76.4
105°	67.0	69.6	72.1	74.7	76.0	76.5	77.4	78.4	79.3	80.3	79.3
107.5°	69.1	71.7	74.3	76.9	78.2	78.7	79.6	80.5	81.5	82.4	81.5
110°	161.3	137.9	114.4	90.9	79.2	79.7	80.6	81.5	82.5	83.4	82.5

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	435.4	334.2	233.1	131.9	81.3	81.7	82.4	83.1	83.8	84.5	83.8
115°	543.0	434.4	325.7	217.0	162.7	154.2	137.3	120.4	103.5	86.6	103.5
117.5°	675.1	641.6	608.0	574.5	557.7	527.0	465.5	404.0	342.5	281.0	342.5
120°	777.0	779.8	782.7	785.5	786.9	771.1	739.4	707.7	676.0	644.3	676.0
122.5°	837.9	839.3	840.8	842.2	842.9	843.0	843.2	843.5	843.7	843.9	843.7
125°	894.1	895.8	897.4	899.1	899.9	900.3	901.0	901.7	902.4	903.1	902.4
127.5°	946.6	949.0	951.3	953.6	954.8	954.9	955.2	955.4	955.7	955.9	955.7
130°	996.5	999.1	1001.6	1004.2	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7
132.5°	1045.7	1047.8	1049.9	1052.0	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2
135°	1091.4	1093.7	1096.1	1098.4	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9
137.5°	1134.7	1137.0	1139.4	1141.7	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4
140°	1176.6	1178.8	1180.9	1183.0	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0
142.5°	1215.5	1217.4	1219.3	1221.2	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0
145°	1251.1	1252.8	1254.4	1256.1	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9
147.5°	1283.5	1284.7	1285.8	1287.0	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3
150°	1312.2	1313.6	1315.0	1316.4	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1
152.5°	1338.6	1340.0	1341.4	1342.8	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8
155°	1361.8	1363.2	1364.7	1366.1	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2
157.5°	1382.1	1383.8	1385.4	1387.1	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4
160°	1399.9	1401.3	1402.7	1404.1	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0
162.5°	1415.9	1417.6	1419.2	1420.9	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3
165°	1428.6	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6
167.5°	1440.2	1441.9	1443.5	1445.2	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6
170°	1448.7	1450.4	1452.0	1453.7	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0
172.5°	1455.0	1456.7	1458.3	1460.0	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4
175°	1459.2	1460.9	1462.5	1464.2	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8
177.5°	1460.3	1462.0	1463.6	1465.3	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1121.8	1116.7	1115.2	1116.7	1115.2	1115.9	1110.7	1091.5	1096.7	1088.6	1093.0
5°	1185.4	1181.0	1171.4	1169.9	1168.4	1167.0	1159.6	1142.5	1135.9	1124.8	1124.1
7.5°	1246.1	1246.1	1238.7	1233.5	1226.9	1221.7	1212.1	1186.9	1176.6	1163.3	1155.9
10°	1306.0	1286.8	1294.9	1289.7	1273.4	1270.5	1252.7	1237.9	1218.0	1204.7	1192.8
12.5°	1348.9	1343.0	1335.6	1331.1	1326.7	1317.1	1305.2	1267.5	1257.2	1230.6	1217.2
15°	1347.4	1343.7	1345.9	1345.9	1344.4	1342.2	1332.6	1305.2	1287.5	1261.6	1238.7
17.5°	1274.9	1284.5	1294.1	1300.8	1315.6	1322.2	1331.1	1314.9	1303.8	1281.6	1257.2
20°	1148.5	1172.1	1200.2	1206.1	1219.5	1258.7	1276.4	1290.5	1294.9	1287.5	1267.5
22.5°	972.5	992.4	1060.5	1059.0	1078.2	1124.8	1176.6	1218.7	1252.0	1270.5	1263.1
25°	761.7	789.8	826.0	853.4	916.3	985.8	1050.1	1117.4	1175.1	1226.1	1238.7
27.5°	576.1	613.1	641.9	678.1	709.9	792.0	874.8	979.9	1047.2	1144.0	1194.3
30°	465.9	482.9	511.7	528.8	544.3	607.1	701.1	804.6	922.9	1034.6	1121.1
32.5°	397.9	409.7	431.1	438.5	454.8	497.0	556.1	650.8	772.8	908.1	1022.0
35°	357.2	369.8	374.2	380.8	394.2	420.8	461.5	530.2	640.4	772.8	908.9
37.5°	322.4	329.1	341.7	346.1	350.5	370.5	397.9	445.9	519.1	627.8	778.7
40°	298.0	301.7	308.4	312.1	315.0	329.1	353.5	386.0	440.0	522.8	661.9
42.5°	272.1	276.6	281.0	285.5	289.1	300.2	315.0	346.1	382.3	445.2	545.8
45°	247.0	250.0	255.1	258.1	263.3	272.1	285.5	306.9	339.4	379.4	460.7
47.5°	224.1	227.8	230.0	233.7	237.4	247.0	259.6	273.6	300.2	339.4	398.6
50°	203.4	207.8	210.8	211.5	214.5	223.3	233.7	249.2	266.2	296.5	348.3
52.5°	188.6	189.3	191.5	194.5	193.8	198.9	208.5	220.4	238.1	262.5	300.2
55°	171.6	173.8	175.3	176.0	176.0	180.4	185.6	196.7	210.8	230.7	262.5
57.5°	150.1	152.3	156.8	158.3	160.5	162.7	164.9	172.3	184.1	203.4	229.2
60°	127.9	129.4	133.9	136.8	138.3	144.2	147.2	153.1	159.7	173.8	198.2
62.5°	102.8	104.3	106.5	109.4	112.4	121.3	128.7	134.6	139.8	149.4	169.3
65°	89.5	90.2	91.7	92.4	93.2	96.9	103.5	111.7	121.3	128.7	140.5
67.5°	77.6	78.4	79.1	80.6	81.3	82.1	85.0	87.3	96.9	107.2	116.1
70°	66.6	68.0	68.8	68.8	69.5	71.0	72.5	75.4	78.4	83.6	94.7
72.5°	56.2	56.9	58.4	58.4	58.4	59.9	61.4	62.9	64.3	67.3	71.7
75°	46.6	48.1	48.1	48.1	48.8	48.8	50.3	51.8	53.2	55.5	56.9
77.5°	38.5	38.5	38.5	38.5	39.2	39.2	39.9	41.4	42.2	42.9	44.4
80°	28.8	29.6	29.6	29.6	30.3	30.3	30.3	31.8	32.5	32.5	34.0
82.5°	21.4	21.4	21.4	22.2	21.4	22.2	22.2	22.9	22.2	22.9	23.7
85°	13.3	13.3	13.3	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.8
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°	27.6	27.1	26.6	26.4	25.8	24.6	23.5	22.3	21.1	19.2	17.4
92.5°	28.1	27.8	27.6	27.5	27.3	26.8	26.3	25.8	25.3	24.6	23.9
95°	45.9	46.1	46.4	46.5	45.9	44.7	43.6	42.4	41.2	39.6	37.9
97.5°	57.6	57.4	57.1	57.0	56.7	56.0	55.3	54.6	53.9	50.1	46.4
100°	69.9	69.4	68.9	68.7	67.8	65.9	64.0	62.1	60.2	56.2	52.2
102.5°	75.7	75.0	74.3	73.9	72.6	70.0	67.5	64.9	62.3	105.0	147.8
105°	78.4	77.4	76.5	76.0	74.7	72.1	69.6	67.0	64.4	128.5	192.6
107.5°	80.5	79.6	78.7	78.2	76.9	74.3	71.7	69.1	66.5	145.6	224.7
110°	81.5	80.6	79.7	79.2	90.9	114.4	137.9	161.3	184.8	252.6	320.5

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.1	82.4	81.7	81.3	131.9	233.1	334.2	435.4	536.6	540.6	544.6
115°	120.4	137.3	154.2	162.7	217.0	325.7	434.4	543.0	651.7	645.8	640.0
117.5°	404.0	465.5	527.0	557.7	574.5	608.0	641.6	675.1	708.7	704.7	700.7
120°	707.7	739.4	771.1	786.9	785.5	782.7	779.8	777.0	774.2	770.0	765.8
122.5°	843.5	843.2	843.0	842.9	842.2	840.8	839.3	837.9	836.5	831.8	827.1
125°	901.7	901.0	900.3	899.9	899.1	897.4	895.8	894.1	892.5	888.1	883.6
127.5°	955.4	955.2	954.9	954.8	953.6	951.3	949.0	946.6	944.3	940.8	937.2
130°	1004.9	1005.2	1005.4	1005.5	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7
132.5°	1052.5	1052.7	1053.0	1053.1	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4
135°	1098.4	1098.9	1099.4	1099.6	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8
137.5°	1141.1	1141.8	1142.5	1142.9	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6
140°	1181.2	1182.3	1183.5	1184.1	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3
142.5°	1219.2	1220.3	1221.5	1222.1	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5
145°	1254.0	1255.2	1256.3	1256.9	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5
147.5°	1285.2	1286.2	1287.1	1287.6	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3
150°	1314.2	1315.4	1316.5	1317.1	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3
152.5°	1339.4	1341.1	1342.7	1343.5	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2
155°	1362.1	1364.0	1365.9	1366.8	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8
157.5°	1383.2	1385.1	1387.0	1387.9	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3
160°	1400.7	1402.3	1404.0	1404.8	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7
162.5°	1416.4	1418.5	1420.6	1421.7	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9
165°	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6
167.5°	1440.7	1442.8	1444.9	1446.0	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2
170°	1449.2	1451.3	1453.4	1454.5	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1
172.5°	1455.5	1457.6	1459.7	1460.8	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5
175°	1459.2	1461.5	1463.8	1465.0	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7
177.5°	1460.8	1462.9	1465.0	1466.1	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1086.3	1082.6	1082.6	1080.4	1080.4	1068.6	1068.6	1072.3	1067.9	1062.7	1055.3
5°	1114.4	1106.3	1104.1	1101.1	1091.5	1076.7	1070.8	1068.6	1059.7	1048.6	1036.1
7.5°	1141.1	1127.8	1121.1	1114.4	1101.9	1081.2	1069.3	1061.2	1047.9	1030.9	1014.6
10°	1167.0	1149.9	1132.9	1124.8	1107.1	1081.2	1064.2	1050.8	1031.6	1008.7	985.8
12.5°	1190.6	1155.1	1152.2	1135.9	1110.0	1080.4	1054.5	1035.3	1010.9	984.3	957.7
15°	1211.3	1175.1	1157.3	1142.5	1108.5	1071.6	1044.2	1020.5	988.0	957.7	925.1
17.5°	1221.7	1182.5	1170.6	1146.2	1111.5	1063.4	1026.4	997.6	962.1	925.9	888.9
20°	1232.0	1186.2	1167.0	1149.9	1102.6	1047.9	1006.5	973.2	934.0	891.1	850.4
22.5°	1237.2	1186.2	1163.3	1139.6	1093.7	1030.9	982.1	942.9	897.0	853.4	804.6
25°	1228.3	1181.7	1154.4	1130.0	1078.2	1010.2	954.0	909.6	860.8	811.2	761.7
27.5°	1206.1	1171.4	1139.6	1114.4	1056.8	983.6	924.4	874.1	823.8	768.4	718.1
30°	1164.7	1149.2	1124.1	1096.0	1033.1	959.9	889.6	837.9	782.4	726.9	674.4
32.5°	1100.4	1113.7	1097.4	1073.0	1005.0	927.3	852.7	800.2	739.5	679.6	631.5
35°	1022.0	1069.3	1060.5	1043.5	975.4	892.6	817.9	754.3	693.7	633.0	585.0
37.5°	936.2	1008.0	1015.4	1005.0	941.4	857.1	775.0	712.9	650.8	589.4	540.6
40°	818.6	928.8	952.5	956.9	905.9	814.2	728.4	667.8	606.4	546.5	487.3
42.5°	710.7	849.7	879.3	897.8	860.8	772.1	685.5	618.2	557.6	503.6	444.4
45°	609.4	754.3	802.4	826.0	809.8	724.0	634.5	571.6	516.2	466.6	409.7
47.5°	505.1	650.8	718.1	755.8	755.8	675.2	585.7	523.6	470.3	428.2	377.9
50°	435.6	556.9	626.4	675.9	689.2	625.6	541.3	480.7	430.4	384.5	346.1
52.5°	371.2	479.9	537.6	589.4	627.8	572.4	491.8	437.1	387.5	344.6	314.3
55°	320.9	402.3	454.8	511.7	554.6	518.4	443.7	390.5	347.6	312.1	286.2
57.5°	272.9	343.9	386.8	437.1	482.9	455.5	395.6	349.8	312.1	281.0	258.1
60°	232.2	289.9	323.2	362.4	419.3	400.1	350.5	308.4	278.1	250.0	230.7
62.5°	197.5	243.3	271.4	299.5	351.3	342.4	303.9	271.4	245.5	221.9	205.6
65°	162.0	199.7	221.9	246.3	287.7	291.4	260.3	237.4	213.7	193.0	178.2
67.5°	130.9	160.5	180.4	201.1	234.4	244.8	223.3	204.1	184.1	167.1	153.8
70°	105.8	126.5	141.2	157.5	184.9	197.5	186.4	173.0	156.8	142.7	130.9
72.5°	83.6	96.9	105.8	118.3	140.5	153.1	152.3	140.5	128.7	119.1	109.4
75°	61.4	71.7	79.1	87.3	105.0	116.8	119.8	114.6	102.8	95.4	88.0
77.5°	46.6	52.5	56.2	62.1	74.7	85.0	89.5	88.0	79.9	74.0	68.8
80°	35.5	37.0	38.5	40.7	51.0	60.6	63.6	62.9	58.4	56.2	50.3
82.5°	25.1	25.9	26.6	27.4	31.1	39.2	42.2	43.6	39.9	37.7	32.5
85°	14.8	15.5	15.5	17.0	17.7	20.0	25.1	25.1	24.4	21.4	20.7
87.5°	7.4	7.4	6.7	6.7	7.4	8.1	9.6	11.1	9.6	8.9	8.1
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°	23.2	22.5	22.2	22.7	23.6	24.5	25.5	26.4	25.5	24.5	23.6
95°	36.3	34.6	33.8	37.7	45.4	53.2	60.9	68.7	60.9	53.2	45.4
97.5°	42.6	38.9	37.0	46.6	65.9	85.1	104.4	123.6	104.4	85.1	65.9
100°	48.2	44.2	42.2	58.3	90.5	122.6	154.8	187.0	154.8	122.6	90.5
102.5°	190.5	233.2	254.6	254.8	255.3	255.8	256.2	256.7	256.2	255.8	255.3
105°	256.7	320.8	352.8	349.3	342.2	335.2	328.1	321.1	328.1	335.2	342.2
107.5°	303.8	382.9	422.5	419.6	413.7	407.8	402.0	396.1	402.0	407.8	413.7
110°	388.3	456.2	490.1	487.6	482.7	477.8	472.8	467.9	472.8	477.8	482.7

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	548.5	552.5	554.5	552.4	548.2	543.9	539.7	535.5	539.7	543.9	548.2
115°	634.1	628.2	625.3	623.3	619.3	615.3	611.3	607.3	611.3	615.3	619.3
117.5°	696.8	692.8	690.8	688.5	683.8	679.1	674.4	669.7	674.4	679.1	683.8
120°	761.5	757.3	755.2	753.4	749.9	746.4	742.9	739.4	742.9	746.4	749.9
122.5°	822.4	817.7	815.4	813.5	809.8	806.0	802.3	798.5	802.3	806.0	809.8
125°	879.2	874.7	872.5	871.0	867.9	864.8	861.8	858.7	861.8	864.8	867.9
127.5°	933.7	930.2	928.4	926.8	923.5	920.2	917.0	913.7	917.0	920.2	923.5
130°	986.2	983.6	982.3	980.4	976.7	972.9	969.2	965.4	969.2	972.9	976.7
132.5°	1035.9	1033.3	1032.0	1030.5	1027.4	1024.3	1021.3	1018.2	1021.3	1024.3	1027.4
135°	1082.7	1080.6	1079.5	1077.6	1073.9	1070.1	1066.4	1062.6	1066.4	1070.1	1073.9
137.5°	1125.2	1122.9	1121.7	1120.3	1117.5	1114.7	1111.9	1109.1	1111.9	1114.7	1117.5
140°	1166.8	1164.2	1162.9	1162.0	1160.1	1158.2	1156.4	1154.5	1156.4	1158.2	1160.1
142.5°	1204.5	1201.4	1199.9	1199.1	1197.4	1195.8	1194.1	1192.5	1194.1	1195.8	1197.4
145°	1237.6	1233.6	1231.6	1231.7	1231.9	1232.2	1232.4	1232.6	1232.4	1232.2	1231.9
147.5°	1270.3	1266.3	1264.3	1264.7	1265.4	1266.1	1266.8	1267.5	1266.8	1266.1	1265.4
150°	1299.5	1295.8	1293.9	1294.7	1296.4	1298.0	1299.7	1301.3	1299.7	1298.0	1296.4
152.5°	1326.7	1323.2	1321.4	1322.3	1324.2	1326.1	1327.9	1329.8	1327.9	1326.1	1324.2
155°	1352.0	1349.2	1347.8	1348.9	1351.0	1353.1	1355.2	1357.3	1355.2	1353.1	1351.0
157.5°	1374.2	1372.1	1371.0	1371.9	1373.8	1375.7	1377.6	1379.5	1377.6	1375.7	1373.8
160°	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1397.1	1395.7	1394.2
162.5°	1410.8	1409.6	1409.0	1409.7	1411.1	1412.6	1414.0	1415.4	1414.0	1412.6	1411.1
165°	1424.9	1424.2	1423.8	1424.5	1425.9	1427.4	1428.8	1430.2	1428.8	1427.4	1425.9
167.5°	1436.5	1435.8	1435.4	1436.1	1437.5	1439.0	1440.4	1441.8	1440.4	1439.0	1437.5
170°	1445.6	1445.1	1444.9	1445.6	1447.0	1448.5	1449.9	1451.3	1449.9	1448.5	1447.0
172.5°	1452.0	1451.5	1451.3	1452.0	1453.4	1454.8	1456.2	1457.6	1456.2	1454.8	1453.4
175°	1456.2	1455.7	1455.5	1456.3	1458.0	1459.6	1461.3	1462.9	1461.3	1459.6	1458.0
177.5°	1458.0	1457.7	1457.6	1458.4	1460.1	1461.7	1463.4	1465.0	1463.4	1461.7	1460.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1052.3	1053.1	1055.3	1048.6	1038.3	1033.8	1020.5	1018.3	1016.1	1016.1	1018.3
5°	1028.7	1025.7	1026.4	1013.9	999.1	990.2	971.7	974.7	965.1	959.1	960.6
7.5°	1002.8	994.6	993.9	977.6	959.1	942.9	923.7	919.2	910.3	900.0	895.6
10°	970.2	964.3	953.2	934.7	911.1	897.8	871.9	856.4	854.1	838.6	832.7
12.5°	937.0	926.6	915.5	889.6	863.0	841.6	822.3	805.3	793.5	780.2	771.3
15°	898.5	885.9	873.4	846.0	814.9	793.5	764.7	739.5	704.8	677.4	661.9
17.5°	856.4	842.3	825.3	795.0	764.7	735.1	681.8	652.3	627.8	611.6	602.0
20°	812.7	797.2	780.2	749.9	697.4	645.6	616.0	593.1	578.3	562.0	550.2
22.5°	766.9	750.6	732.1	684.8	629.3	593.1	570.2	548.7	527.3	518.4	512.5
25°	724.0	709.2	685.5	621.2	577.6	544.3	518.4	504.3	493.3	481.4	470.3
27.5°	679.6	652.3	619.0	565.0	537.6	503.6	485.1	474.8	455.5	447.4	442.2
30°	626.4	596.0	564.2	525.8	494.0	470.3	453.3	436.3	425.2	417.1	408.2
32.5°	572.4	543.5	523.6	483.6	460.0	435.6	419.3	409.0	392.7	387.5	383.8
35°	525.8	501.4	483.6	451.1	428.9	406.7	394.9	379.4	369.0	359.4	353.5
37.5°	479.9	466.6	448.1	420.8	397.1	379.4	363.1	357.9	343.9	338.7	332.8
40°	448.1	428.2	412.6	389.0	369.0	349.8	339.4	327.6	318.0	309.9	307.6
42.5°	409.7	394.9	386.0	360.1	339.4	328.3	315.8	302.5	295.1	288.4	280.3
45°	380.8	367.5	355.0	334.3	315.8	301.7	290.6	281.8	269.2	266.2	253.7
47.5°	350.5	337.2	327.6	306.9	289.9	276.6	268.4	256.6	246.3	239.6	233.7
50°	320.2	309.1	300.2	282.5	267.7	253.7	242.6	230.7	226.3	215.2	211.5
52.5°	291.4	284.0	274.4	257.4	242.6	230.7	218.9	209.3	202.6	196.7	192.3
55°	267.0	255.1	250.7	232.2	219.6	207.1	196.7	190.8	182.7	179.0	175.3
57.5°	239.6	232.9	225.6	211.5	197.5	185.6	178.2	169.3	164.9	160.5	157.5
60°	215.9	206.3	200.4	188.6	176.0	164.9	158.3	151.6	145.7	142.0	136.1
62.5°	188.6	181.2	177.5	164.9	154.6	144.2	138.3	131.6	127.2	120.5	113.1
65°	164.9	159.0	154.6	144.2	134.6	125.0	119.1	110.9	105.0	101.3	100.6
67.5°	144.2	139.8	133.1	123.5	113.9	106.5	99.8	93.2	92.4	91.0	91.0
70°	121.3	116.8	113.1	102.8	94.7	86.5	85.0	82.8	80.6	79.9	78.4
72.5°	101.3	97.6	93.2	84.3	76.2	74.0	72.5	71.0	68.8	68.0	67.3
75°	82.1	76.9	74.0	65.8	63.6	62.1	60.6	58.4	56.9	56.2	54.7
77.5°	62.9	57.7	57.7	53.2	51.8	49.5	48.1	46.6	45.8	44.4	44.4
80°	44.4	44.4	42.9	40.7	38.5	37.7	35.5	34.8	34.0	34.8	33.3
82.5°	32.5	29.6	29.6	28.1	26.6	25.9	24.4	24.4	23.7	23.7	23.7
85°	18.5	18.5	17.7	16.3	15.5	15.5	14.8	14.8	14.1	14.1	13.3
87.5°	7.4	6.7	7.4	6.7	6.7	5.9	5.9	5.9	5.2	5.9	5.2
90°	11.4	12.7	13.6	15.5	17.4	19.2	21.1	22.3	23.5	24.6	25.8
92.5°	22.7	22.2	22.5	23.2	23.9	24.6	25.3	25.8	26.3	26.8	27.3
95°	37.7	33.8	34.6	36.3	37.9	39.6	41.2	42.4	43.6	44.7	45.9
97.5°	46.6	37.0	38.9	42.6	46.4	50.1	53.9	54.6	55.3	56.0	56.7
100°	58.3	42.2	44.2	48.2	52.2	56.2	60.2	62.1	64.0	65.9	67.8
102.5°	254.8	254.6	233.2	190.5	147.8	105.0	62.3	64.9	67.5	70.0	72.6
105°	349.3	352.8	320.8	256.7	192.6	128.5	64.4	67.0	69.6	72.1	74.7
107.5°	419.6	422.5	382.9	303.8	224.7	145.6	66.5	69.1	71.7	74.3	76.9
110°	487.6	490.1	456.2	388.3	320.5	252.6	184.8	161.3	137.9	114.4	90.9

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	552.4	554.5	552.5	548.5	544.6	540.6	536.6	435.4	334.2	233.1	131.9
115°	623.3	625.3	628.2	634.1	640.0	645.8	651.7	543.0	434.4	325.7	217.0
117.5°	688.5	690.8	692.8	696.8	700.7	704.7	708.7	675.1	641.6	608.0	574.5
120°	753.4	755.2	757.3	761.5	765.8	770.0	774.2	777.0	779.8	782.7	785.5
122.5°	813.5	815.4	817.7	822.4	827.1	831.8	836.5	837.9	839.3	840.8	842.2
125°	871.0	872.5	874.7	879.2	883.6	888.1	892.5	894.1	895.8	897.4	899.1
127.5°	926.8	928.4	930.2	933.7	937.2	940.8	944.3	946.6	949.0	951.3	953.6
130°	980.4	982.3	983.6	986.2	988.7	991.3	993.9	996.5	999.1	1001.6	1004.2
132.5°	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6	1045.7	1047.8	1049.9	1052.0
135°	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0	1091.4	1093.7	1096.1	1098.4
137.5°	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3	1134.7	1137.0	1139.4	1141.7
140°	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5	1176.6	1178.8	1180.9	1183.0
142.5°	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6	1215.5	1217.4	1219.3	1221.2
145°	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5	1251.1	1252.8	1254.4	1256.1
147.5°	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3	1283.5	1284.7	1285.8	1287.0
150°	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8	1312.2	1313.6	1315.0	1316.4
152.5°	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2	1338.6	1340.0	1341.4	1342.8
155°	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4	1361.8	1363.2	1364.7	1366.1
157.5°	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5	1382.1	1383.8	1385.4	1387.1
160°	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1399.9	1401.3	1402.7	1404.1
162.5°	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3	1415.9	1417.6	1419.2	1420.9
165°	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0	1428.6	1430.3	1431.9	1433.6
167.5°	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6	1440.2	1441.9	1443.5	1445.2
170°	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1	1448.7	1450.4	1452.0	1453.7
172.5°	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4	1455.0	1456.7	1458.3	1460.0
175°	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6	1459.2	1460.9	1462.5	1464.2
177.5°	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7	1460.3	1462.0	1463.6	1465.3
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1018.3	1016.8	1012.4	1013.9	1011.7	1011.7	1010.2	1010.2	1010.2	1013.9	1011.7
5°	962.8	957.7	952.5	950.3	948.1	945.8	945.8	945.1	951.8	950.3	956.2
7.5°	894.1	892.6	882.2	882.2	878.5	877.1	880.8	881.5	882.2	883.7	887.4
10°	832.7	829.0	814.2	815.7	813.5	810.5	812.7	811.2	816.4	817.9	816.4
12.5°	760.2	753.6	737.3	729.2	720.3	713.6	721.8	715.8	736.6	742.5	758.7
15°	664.1	651.5	640.4	640.4	632.3	626.4	630.1	636.7	641.2	647.8	650.8
17.5°	599.7	594.6	585.7	580.5	578.3	576.1	576.1	579.0	588.7	587.9	593.8
20°	545.0	542.1	537.6	531.0	528.8	527.3	527.3	527.3	533.9	539.8	543.5
22.5°	507.3	505.1	502.1	493.3	488.8	487.3	491.0	493.3	498.4	502.9	506.6
25°	469.6	464.4	459.2	456.3	454.1	454.1	455.5	456.3	458.5	460.7	465.2
27.5°	438.5	434.8	427.4	419.3	419.3	417.1	418.6	420.0	425.2	432.6	436.3
30°	403.8	403.0	400.1	397.1	394.2	392.7	395.6	397.9	398.6	402.3	402.3
32.5°	378.6	373.5	368.3	365.3	363.8	363.1	363.8	366.8	366.8	371.2	376.4
35°	353.5	350.5	345.4	340.2	338.7	335.0	338.0	340.9	346.1	348.3	350.5
37.5°	326.1	322.4	320.2	318.7	315.8	316.5	314.3	318.7	323.2	322.4	323.9
40°	305.4	298.8	292.1	291.4	290.6	289.9	289.9	290.6	293.6	296.5	301.0
42.5°	278.8	276.6	270.7	264.7	263.3	261.8	260.3	263.3	269.2	274.4	276.6
45°	251.4	248.5	247.0	242.6	239.6	238.9	237.4	241.1	246.3	248.5	250.0
47.5°	226.3	225.6	221.1	221.9	219.6	220.4	219.6	221.9	221.9	224.1	225.6
50°	209.3	207.1	204.8	203.4	201.1	201.1	200.4	201.1	204.1	207.1	206.3
52.5°	192.3	188.6	187.8	187.1	185.6	187.1	184.9	185.6	188.6	190.1	189.3
55°	172.3	171.6	170.1	168.6	167.9	167.1	167.1	167.1	170.1	172.3	173.0
57.5°	156.8	153.1	150.1	150.1	147.2	146.4	147.9	148.6	150.9	152.3	153.8
60°	135.3	133.9	129.4	127.2	122.8	122.0	122.0	125.0	128.7	133.9	135.3
62.5°	112.4	110.2	109.4	109.4	109.4	109.4	109.4	109.4	109.4	110.2	110.2
65°	99.8	100.6	99.8	99.1	99.8	99.8	99.1	99.1	99.1	99.8	100.6
67.5°	89.5	88.7	89.5	88.7	88.0	88.0	87.3	88.0	88.7	89.5	89.5
70°	77.6	77.6	76.9	77.6	76.9	76.2	75.4	75.4	76.9	77.6	77.6
72.5°	66.6	66.6	65.8	65.8	64.3	64.3	65.1	64.3	64.3	66.6	66.6
75°	55.5	54.7	54.0	54.0	53.2	53.2	53.2	52.5	54.0	54.0	54.7
77.5°	43.6	43.6	43.6	42.9	42.9	42.2	42.2	42.9	42.9	42.9	43.6
80°	33.3	33.3	33.3	32.5	31.8	31.8	31.8	31.8	31.8	32.5	31.8
82.5°	22.9	22.9	22.9	22.9	22.9	22.2	22.2	22.2	22.9	22.9	22.2
85°	14.1	13.3	14.1	14.1	13.3	14.1	13.3	13.3	12.6	12.6	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°	26.4	26.6	27.1	27.6	28.0	28.5	28.0	27.6	27.1	26.6	26.4
92.5°	27.5	27.6	27.8	28.1	28.3	28.5	28.3	28.1	27.8	27.6	27.5
95°	46.5	46.4	46.1	45.9	45.6	45.4	45.6	45.9	46.1	46.4	46.5
97.5°	57.0	57.1	57.4	57.6	57.9	58.1	57.9	57.6	57.4	57.1	57.0
100°	68.7	68.9	69.4	69.9	70.3	70.8	70.3	69.9	69.4	68.9	68.7
102.5°	73.9	74.3	75.0	75.7	76.4	77.1	76.4	75.7	75.0	74.3	73.9
105°	76.0	76.5	77.4	78.4	79.3	80.3	79.3	78.4	77.4	76.5	76.0
107.5°	78.2	78.7	79.6	80.5	81.5	82.4	81.5	80.5	79.6	78.7	78.2
110°	79.2	79.7	80.6	81.5	82.5	83.4	82.5	81.5	80.6	79.7	79.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.3	81.7	82.4	83.1	83.8	84.5	83.8	83.1	82.4	81.7	81.3
115°	162.7	154.2	137.3	120.4	103.5	86.6	103.5	120.4	137.3	154.2	162.7
117.5°	557.7	527.0	465.5	404.0	342.5	281.0	342.5	404.0	465.5	527.0	557.7
120°	786.9	771.1	739.4	707.7	676.0	644.3	676.0	707.7	739.4	771.1	786.9
122.5°	842.9	843.0	843.2	843.5	843.7	843.9	843.7	843.5	843.2	843.0	842.9
125°	899.9	900.3	901.0	901.7	902.4	903.1	902.4	901.7	901.0	900.3	899.9
127.5°	954.8	954.9	955.2	955.4	955.7	955.9	955.7	955.4	955.2	954.9	954.8
130°	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7	1004.9	1005.2	1005.4	1005.5
132.5°	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2	1052.5	1052.7	1053.0	1053.1
135°	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9	1098.4	1098.9	1099.4	1099.6
137.5°	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4	1141.1	1141.8	1142.5	1142.9
140°	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0	1181.2	1182.3	1183.5	1184.1
142.5°	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0	1219.2	1220.3	1221.5	1222.1
145°	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9	1254.0	1255.2	1256.3	1256.9
147.5°	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3	1285.2	1286.2	1287.1	1287.6
150°	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1	1314.2	1315.4	1316.5	1317.1
152.5°	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8	1339.4	1341.1	1342.7	1343.5
155°	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2	1362.1	1364.0	1365.9	1366.8
157.5°	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4	1383.2	1385.1	1387.0	1387.9
160°	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0	1400.7	1402.3	1404.0	1404.8
162.5°	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3	1416.4	1418.5	1420.6	1421.7
165°	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6	1430.3	1431.9	1433.6	1434.4
167.5°	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6	1440.7	1442.8	1444.9	1446.0
170°	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0	1449.2	1451.3	1453.4	1454.5
172.5°	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4	1455.5	1457.6	1459.7	1460.8
175°	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8	1459.2	1461.5	1463.8	1465.0
177.5°	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7	1460.8	1462.9	1465.0	1466.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2	1064.2
2.5°	1013.9	1017.6	1016.1	1008.0	1016.1	1018.3	1022.7	1027.2	1030.1	1034.6	1038.3
5°	950.3	957.7	962.1	957.7	972.5	974.7	985.0	990.9	999.8	1007.2	1013.1
7.5°	890.4	896.3	905.2	906.6	915.5	925.9	940.7	955.5	969.5	976.9	983.6
10°	826.0	836.4	849.7	846.7	860.1	876.3	891.9	915.5	927.3	940.7	952.5
12.5°	761.7	768.4	786.1	792.0	811.2	823.8	845.3	860.1	889.6	905.2	915.5
15°	649.3	676.7	698.8	725.5	750.6	774.3	793.5	820.1	846.0	857.8	874.8
17.5°	598.3	610.8	624.1	637.5	670.0	712.2	746.2	775.0	797.2	812.7	832.7
20°	545.0	557.6	572.4	585.0	604.9	635.2	677.4	726.9	753.6	769.8	789.1
22.5°	507.3	519.1	528.8	539.8	555.4	577.6	609.4	670.7	706.2	726.2	743.2
25°	466.6	481.4	491.8	499.9	512.5	536.9	562.8	597.5	661.1	676.7	700.3
27.5°	438.5	443.0	454.8	467.4	479.9	493.3	519.9	549.5	592.4	626.4	655.2
30°	405.3	416.3	427.4	432.6	443.7	462.9	479.2	511.0	544.3	570.9	605.7
32.5°	380.1	386.8	394.2	406.7	417.1	430.4	446.7	473.3	501.4	518.4	545.0
35°	352.0	356.4	372.0	377.2	387.5	400.8	417.1	437.8	468.1	481.4	500.7
37.5°	325.4	335.7	340.2	352.0	361.6	374.9	386.8	410.4	430.4	445.9	463.7
40°	304.7	309.1	317.3	327.6	335.7	346.1	360.9	377.9	399.3	411.9	427.4
42.5°	279.5	283.2	293.6	299.5	312.8	322.4	331.3	352.0	371.2	380.8	396.4
45°	252.2	261.0	267.7	279.5	286.9	298.8	309.9	324.6	342.4	353.5	362.4
47.5°	228.5	237.4	244.0	255.1	267.0	272.1	284.0	299.5	315.8	324.6	337.2
50°	209.3	212.2	224.8	230.0	242.6	252.9	261.0	274.4	292.1	297.3	307.6
52.5°	190.8	193.0	201.1	207.8	218.9	227.8	238.1	250.7	265.5	273.6	281.8
55°	174.5	176.0	179.7	187.1	194.5	205.6	215.2	227.0	239.6	248.5	255.9
57.5°	156.0	159.0	162.0	166.4	173.8	184.1	194.5	205.6	215.9	221.9	231.5
60°	134.6	139.0	144.2	149.4	154.6	162.0	173.8	184.1	193.8	198.9	206.3
62.5°	111.7	120.5	125.0	130.9	135.3	142.0	150.9	162.7	169.3	176.0	181.9
65°	100.6	101.3	102.1	108.0	116.1	122.8	130.9	139.8	150.1	154.6	159.0
67.5°	89.5	90.2	91.7	92.4	95.4	102.8	111.7	121.3	129.4	132.4	136.8
70°	78.4	78.4	81.3	82.1	82.8	83.6	91.0	100.6	108.0	111.7	116.8
72.5°	66.6	67.3	68.8	69.5	71.0	72.5	74.7	79.9	88.7	92.4	98.4
75°	54.7	55.5	56.2	56.9	59.2	59.9	62.1	65.1	68.8	73.2	76.9
77.5°	43.6	43.6	44.4	45.8	47.3	48.1	50.3	51.8	53.2	55.5	58.4
80°	32.5	33.3	33.3	34.8	34.8	35.5	36.2	38.5	39.9	41.4	42.9
82.5°	22.2	23.7	23.7	23.7	24.4	25.1	25.9	25.9	27.4	28.1	30.3
85°	13.3	14.1	14.1	14.1	13.3	14.8	14.8	15.5	15.5	15.5	16.3
87.5°	5.2	4.4	5.2	5.2	5.2	5.9	5.2	5.2	5.9	6.7	6.7
90°	25.8	24.6	23.5	22.3	21.1	19.2	17.4	15.5	13.6	12.7	11.4
92.5°	27.3	26.8	26.3	25.8	25.3	24.6	23.9	23.2	22.5	22.2	22.7
95°	45.9	44.7	43.6	42.4	41.2	39.6	37.9	36.3	34.6	33.8	37.7
97.5°	56.7	56.0	55.3	54.6	53.9	50.1	46.4	42.6	38.9	37.0	46.6
100°	67.8	65.9	64.0	62.1	60.2	56.2	52.2	48.2	44.2	42.2	58.3
102.5°	72.6	70.0	67.5	64.9	62.3	105.0	147.8	190.5	233.2	254.6	254.8
105°	74.7	72.1	69.6	67.0	64.4	128.5	192.6	256.7	320.8	352.8	349.3
107.5°	76.9	74.3	71.7	69.1	66.5	145.6	224.7	303.8	382.9	422.5	419.6
110°	90.9	114.4	137.9	161.3	184.8	252.6	320.5	388.3	456.2	490.1	487.6

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	131.9	233.1	334.2	435.4	536.6	540.6	544.6	548.5	552.5	554.5	552.4
115°	217.0	325.7	434.4	543.0	651.7	645.8	640.0	634.1	628.2	625.3	623.3
117.5°	574.5	608.0	641.6	675.1	708.7	704.7	700.7	696.8	692.8	690.8	688.5
120°	785.5	782.7	779.8	777.0	774.2	770.0	765.8	761.5	757.3	755.2	753.4
122.5°	842.2	840.8	839.3	837.9	836.5	831.8	827.1	822.4	817.7	815.4	813.5
125°	899.1	897.4	895.8	894.1	892.5	888.1	883.6	879.2	874.7	872.5	871.0
127.5°	953.6	951.3	949.0	946.6	944.3	940.8	937.2	933.7	930.2	928.4	926.8
130°	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7	986.2	983.6	982.3	980.4
132.5°	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4	1035.9	1033.3	1032.0	1030.5
135°	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8	1082.7	1080.6	1079.5	1077.6
137.5°	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6	1125.2	1122.9	1121.7	1120.3
140°	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3	1166.8	1164.2	1162.9	1162.0
142.5°	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5	1204.5	1201.4	1199.9	1199.1
145°	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5	1237.6	1233.6	1231.6	1231.7
147.5°	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3	1270.3	1266.3	1264.3	1264.7
150°	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3	1299.5	1295.8	1293.9	1294.7
152.5°	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2	1326.7	1323.2	1321.4	1322.3
155°	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8	1352.0	1349.2	1347.8	1348.9
157.5°	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3	1374.2	1372.1	1371.0	1371.9
160°	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8
162.5°	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9	1410.8	1409.6	1409.0	1409.7
165°	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6	1424.9	1424.2	1423.8	1424.5
167.5°	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2	1436.5	1435.8	1435.4	1436.1
170°	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1	1445.6	1445.1	1444.9	1445.6
172.5°	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5	1452.0	1451.5	1451.3	1452.0
175°	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7	1456.2	1455.7	1455.5	1456.3
177.5°	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2	1458.0	1457.7	1457.6	1458.4
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1064.2	1064.2	1064.2	1064.2
2.5°	1044.9	1042.7	1056.0	1070.8
5°	1023.5	1027.2	1044.2	1064.9
7.5°	1001.3	1009.4	1029.4	1056.8
10°	970.2	985.0	1015.4	1043.5
12.5°	939.9	959.9	988.7	1022.0
15°	905.9	928.1	963.6	1003.5
17.5°	868.2	893.3	934.7	978.4
20°	828.3	861.5	905.2	952.5
22.5°	783.9	823.8	868.9	921.4
25°	741.0	784.6	829.7	890.4
27.5°	698.8	741.7	792.0	853.4
30°	656.7	695.9	749.9	815.7
32.5°	611.6	652.3	709.2	776.5
35°	570.2	610.8	664.1	730.6
37.5°	525.8	569.4	620.5	689.2
40°	474.0	525.1	574.6	640.4
42.5°	431.1	485.1	533.2	595.3
45°	397.1	448.1	488.1	548.7
47.5°	365.3	406.7	447.4	503.6
50°	335.0	366.8	409.0	459.2
52.5°	303.9	331.3	367.5	414.9
55°	275.8	301.7	334.3	370.5
57.5°	250.0	268.4	301.0	333.5
60°	221.1	240.3	265.5	292.8
62.5°	196.7	211.5	235.2	258.1
65°	170.8	184.9	202.6	224.1
67.5°	147.2	159.7	173.8	190.8
70°	125.7	135.3	145.7	160.5
72.5°	102.8	113.1	122.8	134.6
75°	84.3	88.7	96.9	105.0
77.5°	65.1	71.0	75.4	82.1
80°	46.6	51.8	53.2	58.4
82.5°	31.1	34.0	37.0	38.5
85°	17.7	19.2	22.2	22.9
87.5°	6.7	7.4	8.9	10.4
90°	8.8	6.3	3.7	1.1
92.5°	23.6	24.5	25.5	26.4
95°	45.4	53.2	60.9	68.7
97.5°	65.9	85.1	104.4	123.6
100°	90.5	122.6	154.8	187.0
102.5°	255.3	255.8	256.2	256.7
105°	342.2	335.2	328.1	321.1
107.5°	413.7	407.8	402.0	396.1
110°	482.7	477.8	472.8	467.9



TEST NUMBER: P999674

CATALOG NUMBER: SA2XXRDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	548.2	543.9	539.7	535.5
115°	619.3	615.3	611.3	607.3
117.5°	683.8	679.1	674.4	669.7
120°	749.9	746.4	742.9	739.4
122.5°	809.8	806.0	802.3	798.5
125°	867.9	864.8	861.8	858.7
127.5°	923.5	920.2	917.0	913.7
130°	976.7	972.9	969.2	965.4
132.5°	1027.4	1024.3	1021.3	1018.2
135°	1073.9	1070.1	1066.4	1062.6
137.5°	1117.5	1114.7	1111.9	1109.1
140°	1160.1	1158.2	1156.4	1154.5
142.5°	1197.4	1195.8	1194.1	1192.5
145°	1231.9	1232.2	1232.4	1232.6
147.5°	1265.4	1266.1	1266.8	1267.5
150°	1296.4	1298.0	1299.7	1301.3
152.5°	1324.2	1326.1	1327.9	1329.8
155°	1351.0	1353.1	1355.2	1357.3
157.5°	1373.8	1375.7	1377.6	1379.5
160°	1394.2	1395.7	1397.1	1398.5
162.5°	1411.1	1412.6	1414.0	1415.4
165°	1425.9	1427.4	1428.8	1430.2
167.5°	1437.5	1439.0	1440.4	1441.8
170°	1447.0	1448.5	1449.9	1451.3
172.5°	1453.4	1454.8	1456.2	1457.6
175°	1458.0	1459.6	1461.3	1462.9
177.5°	1460.1	1461.7	1463.4	1465.0
180°	1459.7	1459.7	1459.7	1459.7

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