

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: P1013304

Luminaire Tested: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1013304
REPORT IS A COMBINATION OF REPORTS P999229 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K
Description: Define 4 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

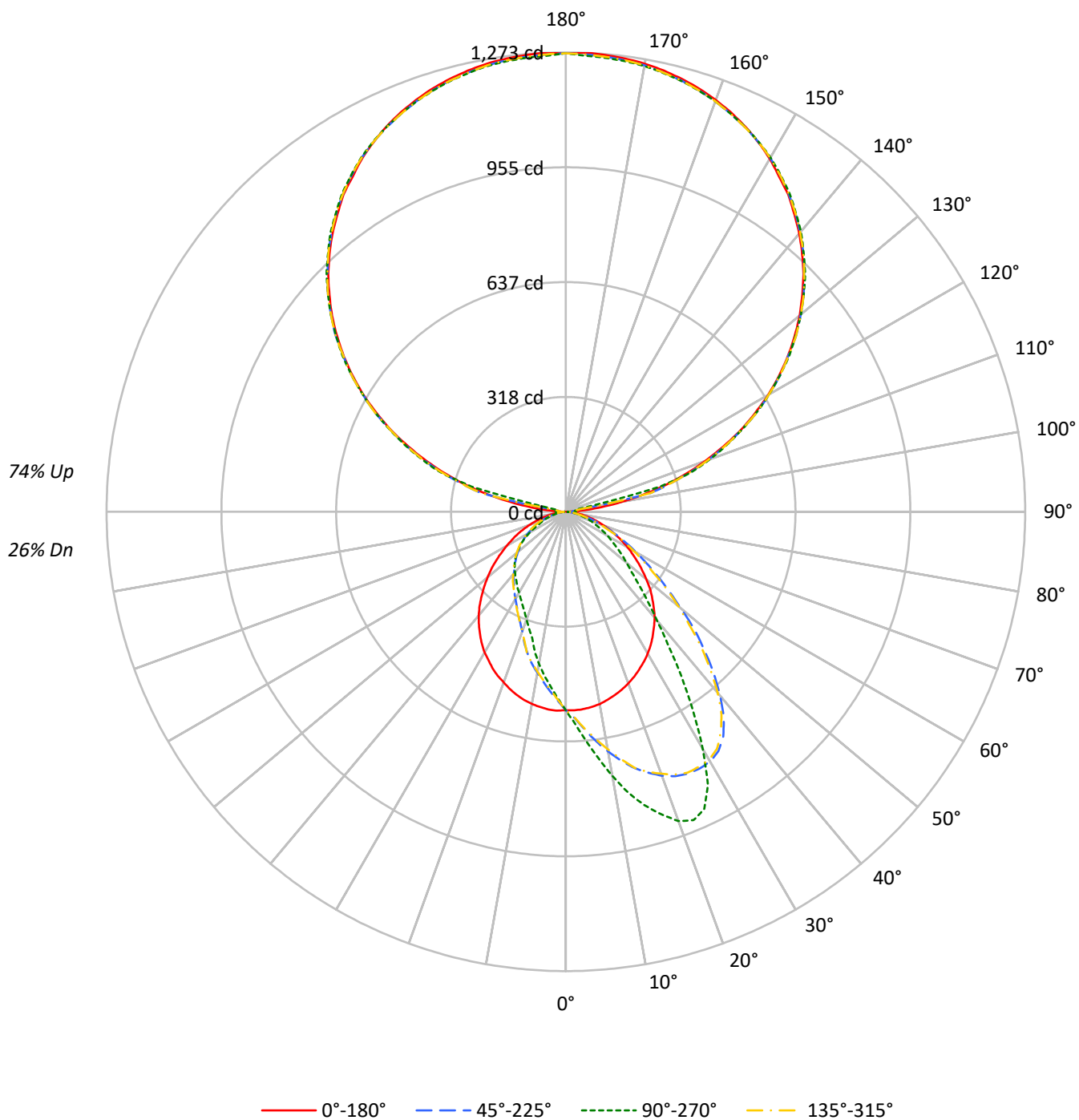
Lumens per Lamp: N/A
Luminaire Lumens: 5324.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
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

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1013304

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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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34
1	93	89	85	82	83	79	76	73	62	60	58	45	44	43	31	30	29
2	85	78	72	67	75	69	65	61	54	51	48	40	38	36	27	26	25
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	24	23	22
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19
5	65	54	46	40	58	48	42	37	38	33	30	29	26	23	20	18	16
6	60	48	41	35	53	43	37	32	34	30	26	26	23	20	18	16	14
7	55	43	36	31	49	39	33	28	31	26	23	23	20	18	16	14	13
8	51	39	32	27	45	35	29	25	28	24	20	21	18	16	15	13	12
9	47	36	29	24	42	32	26	22	26	21	18	20	16	14	14	12	10
10	44	33	26	21	39	30	24	20	24	19	16	18	15	13	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4484	4484	4484	4484
5°	4484	5067	4491	3872
10°	4460	5841	4457	3368
15°	4407	6574	4407	2820
20°	4351	7127	4328	2483
25°	4283	7157	4264	2243
30°	4211	6086	4179	2077
35°	4109	4592	4057	1954
40°	3996	3328	3917	1858
45°	3808	2529	3714	1773
50°	3586	2044	3488	1648
55°	3345	1693	3235	1481
60°	3103	1431	2964	1232
65°	2800	1166	2710	979
70°	2521	946	2403	795
75°	2210	682	2055	583
80°	1822	451	1657	428
85°	1324	233	1099	233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 5613 cd/sqm

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.0
10°-20°	160.8	3.0
20°-30°	251.9	4.7
30°-40°	279.7	5.3
40°-50°	247.8	4.7
50°-60°	193.1	3.6
60°-70°	126.3	2.4
70°-80°	62.0	1.2
80°-90°	17.7	0.3
90°-100°	42.2	0.8
100°-110°	277.7	5.2
110°-120°	530.3	10.0
120°-130°	673.3	12.6
130°-140°	720.3	13.5
140°-150°	673.5	12.7
150°-160°	543.1	10.2
160°-170°	350.3	6.6
170°-180°	120.7	2.3
0°-30°	465.9	8.8
0°-40°	745.6	14.0
0°-60°	1186.6	22.3
0°-90°	1392.6	26.2
90°-120°	850.3	16.0
90°-150°	2917.3	54.8
90°-180°	3931.0	73.8
0°-180°	5324.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	550	550	550	550	550	
5°	549	635	550	486	549	52
15°	526	842	526	361	526	148
25°	482	908	479	284	482	222
35°	420	559	415	238	420	263
45°	338	286	330	200	338	261
55°	244	171	236	149	244	218
65°	153	100	148	84	153	152
75°	77	46	71	39	77	81
85°	18	11	15	11	18	21
90°	3	28	3	28	3	4
95°	52	28	52	28	52	64
105°	286	271	286	271	286	299
115°	534	538	534	538	534	526
125°	751	756	751	756	751	670
135°	931	938	931	938	931	718
145°	1074	1080	1074	1080	1074	671
155°	1177	1176	1177	1176	1177	543
165°	1242	1236	1242	1236	1242	351
175°	1270	1263	1270	1263	1270	121
180°	1270	1270	1270	1270	1270	

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	550.8	555.6	558.3	560.5	564.9	566.7	570.2	571.1	574.7	574.2	572.9
5°	549.0	557.4	563.6	570.2	578.2	582.7	587.5	594.6	598.2	603.0	606.1
7.5°	545.9	557.4	567.6	577.8	590.6	597.7	603.9	615.0	624.3	632.3	641.1
10°	541.0	555.6	570.7	584.4	602.2	610.6	619.9	636.3	649.1	660.2	674.4
12.5°	533.5	553.9	570.7	589.3	611.9	623.4	635.8	655.3	670.4	688.6	706.3
15°	525.5	548.1	570.2	594.6	620.3	633.6	646.0	672.2	695.2	716.0	735.5
17.5°	516.6	541.4	565.8	592.8	623.9	640.3	654.9	686.3	711.6	738.6	758.1
20°	506.0	533.0	560.9	591.1	626.1	644.2	660.6	696.5	724.4	753.7	778.1
22.5°	494.5	523.7	554.3	587.1	623.4	643.4	662.4	701.0	733.3	760.3	793.1
25°	481.6	512.6	544.1	578.7	619.4	641.1	660.6	698.7	733.3	768.8	800.7
27.5°	468.3	500.2	533.0	569.4	611.0	632.3	654.4	691.2	731.5	770.1	802.4
30°	453.7	484.7	519.3	553.9	598.2	619.4	642.0	681.9	725.8	764.3	799.3
32.5°	437.8	469.7	502.5	538.3	581.8	604.8	625.6	670.8	715.6	753.7	786.5
35°	420.0	450.2	481.2	518.0	560.9	581.8	606.6	653.5	698.7	739.1	760.3
37.5°	401.0	429.8	458.6	494.9	536.1	561.4	585.8	633.2	681.0	708.0	719.1
40°	383.3	408.5	433.8	468.8	510.4	536.6	561.4	610.6	652.7	673.5	665.1
42.5°	360.7	386.8	409.4	441.8	483.8	508.2	533.5	584.4	618.5	627.0	606.1
45°	338.5	360.2	381.9	413.4	457.7	478.5	505.6	553.0	581.3	573.8	543.2
47.5°	316.8	334.5	354.9	385.5	425.4	450.2	475.4	516.6	536.6	525.9	483.4
50°	291.1	308.8	330.1	356.7	395.2	419.2	439.1	477.2	492.3	466.1	414.7
52.5°	266.7	282.2	300.4	325.2	362.0	383.7	405.4	438.2	443.1	413.0	358.9
55°	243.7	256.1	275.2	295.1	328.8	351.8	366.9	394.8	393.5	355.8	309.3
57.5°	219.8	231.3	244.1	265.0	296.9	314.1	330.5	354.9	342.1	310.2	264.1
60°	198.5	205.1	218.0	237.9	265.0	280.0	292.9	306.2	295.1	260.5	225.1
62.5°	175.0	182.6	191.9	207.8	231.7	245.9	255.2	261.0	249.5	222.9	190.5
65°	152.9	159.5	169.3	183.4	201.6	212.2	217.1	221.1	214.9	184.8	159.1
67.5°	132.9	137.4	146.2	155.5	175.0	177.7	184.3	186.1	173.7	150.6	130.3
70°	113.0	117.4	121.4	132.5	141.3	146.2	147.5	147.5	135.1	120.1	103.2
72.5°	94.4	97.0	101.0	108.6	113.4	117.0	118.7	116.5	105.0	92.6	80.2
75°	76.7	78.0	81.5	86.4	90.4	89.1	88.6	86.0	77.5	68.7	61.6
77.5°	58.9	59.8	63.8	65.1	65.1	66.5	64.7	62.0	54.9	48.3	45.2
80°	44.3	45.6	46.1	47.0	46.1	46.1	44.8	40.3	36.8	33.7	31.5
82.5°	30.6	31.5	31.9	30.6	31.5	30.1	27.9	24.8	22.6	22.2	21.3
85°	18.2	18.6	18.2	18.2	16.8	16.4	14.6	14.2	13.3	13.3	12.8
87.5°	8.9	8.4	7.5	6.6	6.6	6.2	6.6	5.8	6.6	6.2	5.8
90°	2.9	5.2	7.5	9.8	12.1	13.3	14.1	15.8	17.5	19.2	20.9
92.5°	14.3	13.9	13.5	13.0	12.6	12.4	13.2	14.9	16.6	18.3	20.0
95°	52.3	45.1	37.9	30.8	23.6	20.0	20.1	20.3	20.5	20.7	20.9
97.5°	99.8	104.4	109.1	113.7	118.4	120.7	109.6	87.4	65.3	43.1	20.9
100°	155.8	159.6	163.4	167.2	171.0	172.9	158.3	129.2	100.1	70.9	41.8
102.5°	218.6	221.1	223.7	226.2	228.7	230.0	231.3	233.8	236.3	238.9	241.4
105°	286.0	287.3	288.5	289.8	291.1	291.7	292.2	293.3	294.4	295.4	296.5
107.5°	347.8	348.4	349.0	349.7	350.3	350.6	351.3	352.8	354.3	355.8	357.3
110°	410.5	411.1	411.8	412.4	413.1	413.4	414.0	415.3	416.6	417.8	419.1



TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	471.3	472.6	473.8	475.1	476.4	477.0	477.2	477.6	478.1	478.5	478.9
115°	534.0	534.6	535.3	535.9	536.6	536.9	536.8	536.6	536.3	536.1	535.9
117.5°	590.1	590.9	591.8	592.6	593.5	593.9	594.2	594.9	595.5	596.2	596.8
120°	647.1	647.9	648.8	649.6	650.5	650.9	650.8	650.6	650.4	650.2	650.0
122.5°	700.3	700.7	701.1	701.6	702.0	702.2	702.4	702.8	703.3	703.7	704.1
125°	750.7	751.5	752.4	753.2	754.1	754.5	754.3	753.9	753.4	753.0	752.6
127.5°	799.2	799.4	799.6	799.8	800.0	800.1	800.6	801.7	802.8	803.8	804.9
130°	845.7	845.9	846.1	846.4	846.6	846.7	847.0	847.6	848.3	848.9	849.5
132.5°	888.5	888.9	889.3	889.8	890.2	890.4	890.8	891.7	892.5	893.4	894.2
135°	931.3	931.1	930.9	930.6	930.4	930.3	930.7	931.6	932.4	933.3	934.1
137.5°	969.3	969.3	969.3	969.3	969.3	969.3	969.8	970.9	971.9	973.0	974.0
140°	1006.3	1006.7	1007.1	1007.6	1008.0	1008.2	1008.4	1008.8	1009.3	1009.7	1010.1
142.5°	1039.6	1040.4	1041.3	1042.1	1043.0	1043.4	1043.5	1043.7	1043.9	1044.1	1044.3
145°	1073.8	1074.4	1075.0	1075.7	1076.3	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6
147.5°	1100.4	1101.7	1102.9	1104.2	1105.5	1106.1	1106.0	1105.8	1105.6	1105.4	1105.2
150°	1129.9	1130.7	1131.6	1132.4	1133.3	1133.7	1133.6	1133.4	1133.1	1132.9	1132.7
152.5°	1154.6	1155.2	1155.8	1156.5	1157.1	1157.4	1157.2	1156.8	1156.3	1155.9	1155.5
155°	1177.4	1177.6	1177.8	1178.0	1178.2	1178.3	1178.0	1177.4	1176.7	1176.1	1175.5
157.5°	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1196.9	1196.0	1195.2	1194.3	1193.5
160°	1214.4	1213.8	1213.2	1212.5	1211.9	1211.6	1211.5	1211.3	1211.0	1210.8	1210.6
162.5°	1229.6	1228.8	1227.9	1227.1	1226.2	1225.8	1225.7	1225.5	1225.3	1225.1	1224.9
165°	1242.0	1240.9	1239.9	1238.8	1237.7	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2
167.5°	1252.4	1251.4	1250.3	1249.3	1248.2	1247.7	1247.6	1247.4	1247.1	1246.9	1246.7
170°	1261.0	1259.7	1258.5	1257.2	1255.9	1255.3	1255.4	1255.6	1255.8	1256.0	1256.2
172.5°	1266.7	1265.4	1264.2	1262.9	1261.6	1261.0	1261.1	1261.3	1261.5	1261.7	1261.9
175°	1270.5	1269.2	1268.0	1266.7	1265.4	1264.8	1264.9	1265.1	1265.3	1265.5	1265.7
177.5°	1273.4	1271.9	1270.4	1268.9	1267.4	1266.7	1266.9	1267.3	1267.8	1268.2	1268.6
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	576.5	581.3	581.8	586.2	584.9	582.7	586.6	584.0	589.3	587.5	589.7
5°	610.1	616.8	622.5	626.1	632.3	631.0	637.6	635.4	640.3	635.4	641.6
7.5°	649.6	660.6	666.4	675.7	678.4	678.8	686.8	688.6	691.7	688.6	692.1
10°	688.1	701.4	714.7	722.2	727.1	733.7	740.8	743.9	746.2	743.1	745.3
12.5°	723.1	743.9	758.6	773.6	777.2	782.9	790.5	789.6	798.4	796.7	800.7
15°	755.5	778.5	796.2	808.2	817.9	822.8	837.0	837.9	837.4	841.9	839.2
17.5°	784.3	803.8	829.0	844.5	856.5	856.5	864.5	880.9	879.5	879.1	881.7
20°	807.7	829.9	853.4	879.5	889.3	891.0	902.1	910.5	911.9	911.9	911.9
22.5°	825.5	851.6	876.9	895.5	903.0	909.2	919.0	924.3	926.0	925.2	926.0
25°	834.3	859.1	884.8	901.7	906.1	909.7	910.5	913.6	913.2	907.9	911.0
27.5°	836.1	860.0	876.9	881.3	879.1	876.9	862.7	864.0	860.0	852.1	855.2
30°	828.1	841.0	840.5	826.8	822.8	813.5	800.7	781.6	766.1	759.4	761.7
32.5°	799.3	799.3	783.4	752.4	738.6	721.8	698.7	681.5	661.1	656.7	665.1
35°	759.4	736.8	707.6	666.8	646.0	633.6	593.7	581.3	564.0	559.2	563.2
37.5°	697.4	659.8	617.2	579.1	561.4	539.2	504.2	486.5	474.1	465.7	469.7
40°	627.9	582.2	537.9	490.9	471.4	453.3	427.1	411.2	391.2	392.1	393.5
42.5°	561.4	507.8	458.1	414.7	396.1	381.1	362.9	343.4	336.3	334.1	331.9
45°	490.9	433.8	387.3	354.9	338.1	323.9	307.1	296.0	287.6	285.8	288.0
47.5°	424.5	376.2	331.9	301.7	288.0	280.9	267.6	257.4	252.1	247.7	250.3
50°	364.2	319.0	283.6	258.3	248.6	243.7	231.3	226.0	220.7	219.3	218.9
52.5°	314.6	276.0	245.5	225.1	217.6	214.9	205.6	198.1	193.6	195.0	195.8
55°	269.4	236.6	212.7	196.3	190.1	187.0	180.3	175.0	171.9	170.6	171.5
57.5°	229.5	201.2	183.9	170.6	165.7	164.4	157.3	155.5	153.3	152.0	152.0
60°	193.2	173.2	157.3	149.8	144.4	143.1	137.8	135.6	135.1	133.8	132.9
62.5°	162.6	146.2	135.1	127.2	124.9	124.5	121.0	118.3	117.0	116.1	116.1
65°	136.0	124.1	114.8	109.0	107.2	106.3	102.4	101.5	100.6	99.7	99.3
67.5°	113.4	102.8	96.1	92.2	89.9	90.4	88.2	86.4	86.4	86.0	85.5
70°	91.7	85.1	79.3	77.1	76.2	75.3	74.4	73.1	72.7	72.7	72.7
72.5°	72.2	67.8	64.7	63.4	62.5	61.6	60.7	60.7	60.7	60.3	60.3
75°	55.4	53.6	51.4	50.1	50.1	51.0	49.6	48.3	47.0	46.1	46.5
77.5°	41.6	40.8	39.4	37.2	37.7	36.8	36.8	35.9	36.3	36.3	35.4
80°	30.6	29.2	28.8	27.5	27.9	27.5	27.0	27.0	26.1	26.1	26.1
82.5°	21.3	19.9	19.9	19.5	19.1	19.1	18.6	18.6	19.1	18.2	18.2
85°	12.8	12.4	12.4	11.5	11.5	11.5	11.5	12.0	11.5	11.1	11.1
87.5°	5.8	6.2	5.8	5.3	5.3	5.3	4.9	4.9	4.4	4.9	4.9
90°	22.2	23.4	24.7	26.0	26.6	26.8	27.2	27.7	28.1	28.5	28.1
92.5°	21.3	22.5	23.8	25.1	25.7	25.7	25.7	25.7	25.7	25.7	25.7
95°	22.2	23.4	24.7	26.0	26.6	26.7	26.9	27.2	27.4	27.6	27.4
97.5°	22.0	23.0	24.1	25.2	25.7	25.8	26.0	26.2	26.4	26.6	26.4
100°	38.2	34.6	31.1	27.5	25.7	25.8	26.0	26.2	26.4	26.6	26.4
102.5°	193.9	146.4	98.9	51.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6
105°	298.4	300.3	302.2	304.1	305.0	301.2	293.6	286.0	278.4	270.8	278.4
107.5°	358.3	359.4	360.4	361.5	362.0	362.4	363.3	364.2	365.0	365.9	365.0
110°	419.5	419.9	420.4	420.8	421.0	421.3	421.9	422.6	423.2	423.8	423.2

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	478.7	478.5	478.3	478.1	478.0	478.4	479.3	480.1	481.0	481.8	481.0
115°	536.3	536.7	537.2	537.6	537.8	537.8	537.8	537.8	537.8	537.8	537.8
117.5°	596.6	596.4	596.1	595.9	595.8	595.8	595.8	595.8	595.8	595.8	595.8
120°	650.4	650.8	651.3	651.7	651.9	651.7	651.3	650.8	650.4	650.0	650.4
122.5°	704.3	704.5	704.8	705.0	705.1	704.9	704.5	704.0	703.6	703.2	703.6
125°	753.2	753.9	754.5	755.2	755.5	755.6	755.8	756.0	756.2	756.4	756.2
127.5°	804.7	804.5	804.2	804.0	803.9	803.8	803.6	803.4	803.2	803.0	803.2
130°	849.7	849.9	850.2	850.4	850.5	850.5	850.5	850.5	850.5	850.5	850.5
132.5°	894.4	894.6	894.8	895.0	895.1	895.0	894.8	894.6	894.4	894.2	894.4
135°	934.5	934.9	935.4	935.8	936.0	936.2	936.6	937.1	937.5	937.9	937.5
137.5°	974.4	974.8	975.3	975.7	975.9	975.8	975.6	975.4	975.2	975.0	975.2
140°	1010.7	1011.4	1012.0	1012.7	1013.0	1013.1	1013.3	1013.5	1013.7	1013.9	1013.7
142.5°	1044.7	1045.1	1045.6	1046.0	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2
145°	1076.8	1077.0	1077.3	1077.5	1077.6	1077.8	1078.2	1078.7	1079.1	1079.5	1079.1
147.5°	1105.4	1105.6	1105.8	1106.0	1106.1	1106.2	1106.4	1106.7	1106.9	1107.1	1106.9
150°	1132.7	1132.7	1132.7	1132.7	1132.7	1132.8	1133.0	1133.3	1133.5	1133.7	1133.5
152.5°	1155.9	1156.3	1156.8	1157.2	1157.4	1157.3	1157.1	1156.9	1156.7	1156.5	1156.7
155°	1176.3	1177.2	1178.0	1178.9	1179.3	1179.0	1178.3	1177.7	1177.0	1176.4	1177.0
157.5°	1194.6	1195.6	1196.7	1197.8	1198.3	1197.8	1196.7	1195.6	1194.6	1193.5	1194.6
160°	1211.9	1213.1	1214.4	1215.7	1216.3	1215.7	1214.4	1213.1	1211.9	1210.6	1211.9
162.5°	1226.2	1227.4	1228.7	1230.0	1230.6	1229.9	1228.4	1226.9	1225.4	1223.9	1225.4
165°	1238.9	1240.6	1242.3	1244.0	1244.8	1243.9	1242.0	1240.1	1238.2	1236.3	1238.2
167.5°	1248.6	1250.5	1252.4	1254.3	1255.3	1254.2	1252.1	1250.0	1247.9	1245.8	1247.9
170°	1257.9	1259.6	1261.3	1263.0	1263.8	1262.7	1260.6	1258.5	1256.4	1254.3	1256.4
172.5°	1263.6	1265.3	1267.0	1268.7	1269.6	1268.4	1266.1	1263.8	1261.4	1259.1	1261.4
175°	1267.6	1269.5	1271.4	1273.3	1274.3	1273.0	1270.5	1268.0	1265.4	1262.9	1265.4
177.5°	1270.3	1272.0	1273.7	1275.4	1276.2	1274.9	1272.4	1269.9	1267.3	1264.8	1267.3
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	591.1	588.0	587.5	587.5	582.7	585.3	580.0	574.2	571.6	571.6	566.7
5°	640.3	637.2	634.1	629.2	629.2	626.5	618.1	609.7	603.5	598.2	592.4
7.5°	690.8	687.7	678.8	673.9	676.6	671.3	660.2	646.0	635.4	627.0	615.0
10°	745.7	737.3	732.9	730.2	720.9	715.1	702.3	681.5	668.2	657.1	641.6
12.5°	790.5	793.1	776.3	777.6	768.3	760.3	740.4	720.5	700.5	685.0	662.0
15°	838.8	830.8	820.6	812.6	809.5	799.8	782.9	756.3	734.6	710.3	684.1
17.5°	876.9	870.7	860.9	853.4	846.7	823.3	809.1	785.6	755.9	732.0	700.1
20°	909.2	903.4	889.7	884.8	872.9	856.0	835.7	799.3	772.7	746.6	715.6
22.5°	922.9	917.2	905.2	899.0	891.5	875.1	855.6	821.0	788.2	755.5	722.7
25°	911.4	911.4	905.7	903.4	896.8	882.2	862.2	833.0	798.0	762.5	723.6
27.5°	855.6	866.7	870.7	872.9	872.9	873.3	859.6	831.2	797.1	762.5	721.8
30°	775.0	793.6	810.0	814.8	823.3	832.6	838.3	824.6	794.0	757.7	716.9
32.5°	673.5	697.4	728.0	735.5	747.0	775.0	790.5	796.2	779.4	747.5	704.1
35°	572.5	602.6	621.2	644.2	654.9	696.1	730.6	751.5	747.5	728.4	689.0
37.5°	484.3	501.6	524.2	548.5	569.8	609.2	652.2	692.5	708.9	699.6	669.9
40°	399.7	420.0	447.1	467.0	481.6	521.1	574.2	618.1	654.0	659.8	641.6
42.5°	339.8	360.2	376.6	398.3	409.9	448.0	494.9	549.9	592.4	615.0	607.0
45°	293.8	306.2	319.5	331.9	346.0	379.7	423.1	483.4	531.3	563.2	566.3
47.5°	253.4	264.5	276.0	287.6	295.5	321.7	361.6	410.7	463.0	506.9	524.2
50°	225.1	230.4	238.8	245.5	254.8	277.4	309.3	351.8	407.2	454.6	477.2
52.5°	197.2	203.8	210.5	216.2	222.4	238.4	267.6	304.4	352.3	401.0	428.9
55°	173.7	179.0	185.2	189.2	192.7	206.9	229.1	257.4	298.6	344.7	379.3
57.5°	154.6	156.9	162.2	164.4	168.4	179.9	195.8	221.1	254.3	299.1	327.4
60°	133.8	138.2	142.2	144.0	147.1	155.1	166.2	189.6	218.4	251.2	283.6
62.5°	117.0	118.7	121.8	124.1	126.3	134.7	144.0	161.7	183.4	210.9	240.6
65°	101.5	102.4	104.1	107.2	108.6	114.8	120.1	132.9	153.3	174.1	203.8
67.5°	85.5	86.4	88.6	90.4	91.7	95.7	101.5	110.8	121.8	144.9	161.3
70°	73.1	73.1	74.4	75.3	76.7	78.4	81.5	88.6	98.8	113.4	128.5
72.5°	61.1	61.1	61.1	62.5	62.5	63.8	65.6	70.5	77.5	89.1	98.8
75°	47.4	47.9	48.7	48.7	49.2	51.0	52.3	53.6	57.2	64.7	73.6
77.5°	35.9	36.8	37.2	36.3	37.2	37.2	39.0	40.8	42.5	44.8	51.4
80°	26.6	27.0	26.1	26.6	26.6	27.5	28.4	27.9	28.8	31.5	33.2
82.5°	17.7	18.2	18.2	18.2	18.2	19.5	19.5	19.1	19.5	19.9	20.4
85°	11.1	10.6	10.6	11.1	10.6	10.6	11.1	11.5	11.1	11.5	12.0
87.5°	4.9	4.9	4.9	4.9	4.4	4.4	4.9	4.4	4.9	4.4	4.0
90°	27.7	27.2	26.8	26.6	26.0	24.7	23.4	22.2	20.9	19.2	17.5
92.5°	25.7	25.7	25.7	25.7	25.1	23.8	22.5	21.3	20.0	18.3	16.6
95°	27.2	26.9	26.7	26.6	26.0	24.7	23.4	22.2	20.9	20.7	20.5
97.5°	26.2	26.0	25.8	25.7	25.2	24.1	23.0	22.0	20.9	43.1	65.3
100°	26.2	26.0	25.8	25.7	27.5	31.1	34.6	38.2	41.8	70.9	100.1
102.5°	27.6	27.6	27.6	27.6	51.4	98.9	146.4	193.9	241.4	238.9	236.3
105°	286.0	293.6	301.2	305.0	304.1	302.2	300.3	298.4	296.5	295.4	294.4
107.5°	364.2	363.3	362.4	362.0	361.5	360.4	359.4	358.3	357.3	355.8	354.3
110°	422.6	421.9	421.3	421.0	420.8	420.4	419.9	419.5	419.1	417.8	416.6

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	480.1	479.3	478.4	478.0	478.1	478.3	478.5	478.7	478.9	478.5	478.1
115°	537.8	537.8	537.8	537.8	537.6	537.2	536.7	536.3	535.9	536.1	536.3
117.5°	595.8	595.8	595.8	595.8	595.9	596.1	596.4	596.6	596.8	596.2	595.5
120°	650.8	651.3	651.7	651.9	651.7	651.3	650.8	650.4	650.0	650.2	650.4
122.5°	704.0	704.5	704.9	705.1	705.0	704.8	704.5	704.3	704.1	703.7	703.3
125°	756.0	755.8	755.6	755.5	755.2	754.5	753.9	753.2	752.6	753.0	753.4
127.5°	803.4	803.6	803.8	803.9	804.0	804.2	804.5	804.7	804.9	803.8	802.8
130°	850.5	850.5	850.5	850.5	850.4	850.2	849.9	849.7	849.5	848.9	848.3
132.5°	894.6	894.8	895.0	895.1	895.0	894.8	894.6	894.4	894.2	893.4	892.5
135°	937.1	936.6	936.2	936.0	935.8	935.4	934.9	934.5	934.1	933.3	932.4
137.5°	975.4	975.6	975.8	975.9	975.7	975.3	974.8	974.4	974.0	973.0	971.9
140°	1013.5	1013.3	1013.1	1013.0	1012.7	1012.0	1011.4	1010.7	1010.1	1009.7	1009.3
142.5°	1046.2	1046.2	1046.2	1046.2	1046.0	1045.6	1045.1	1044.7	1044.3	1044.1	1043.9
145°	1078.7	1078.2	1077.8	1077.6	1077.5	1077.3	1077.0	1076.8	1076.6	1076.6	1076.6
147.5°	1106.7	1106.4	1106.2	1106.1	1106.0	1105.8	1105.6	1105.4	1105.2	1105.4	1105.6
150°	1133.3	1133.0	1132.8	1132.7	1132.7	1132.7	1132.7	1132.7	1132.7	1132.9	1133.1
152.5°	1156.9	1157.1	1157.3	1157.4	1157.2	1156.8	1156.3	1155.9	1155.5	1155.9	1156.3
155°	1177.7	1178.3	1179.0	1179.3	1178.9	1178.0	1177.2	1176.3	1175.5	1176.1	1176.7
157.5°	1195.6	1196.7	1197.8	1198.3	1197.8	1196.7	1195.6	1194.6	1193.5	1194.3	1195.2
160°	1213.1	1214.4	1215.7	1216.3	1215.7	1214.4	1213.1	1211.9	1210.6	1210.8	1211.0
162.5°	1226.9	1228.4	1229.9	1230.6	1230.0	1228.7	1227.4	1226.2	1224.9	1225.1	1225.3
165°	1240.1	1242.0	1243.9	1244.8	1244.0	1242.3	1240.6	1238.9	1237.2	1237.2	1237.2
167.5°	1250.0	1252.1	1254.2	1255.3	1254.3	1252.4	1250.5	1248.6	1246.7	1246.9	1247.1
170°	1258.5	1260.6	1262.7	1263.8	1263.0	1261.3	1259.6	1257.9	1256.2	1256.0	1255.8
172.5°	1263.8	1266.1	1268.4	1269.6	1268.7	1267.0	1265.3	1263.6	1261.9	1261.7	1261.5
175°	1268.0	1270.5	1273.0	1274.3	1273.3	1271.4	1269.5	1267.6	1265.7	1265.5	1265.3
177.5°	1269.9	1272.4	1274.9	1276.2	1275.4	1273.7	1272.0	1270.3	1268.6	1268.2	1267.8
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	564.0	561.8	560.5	560.1	556.1	553.9	552.5	551.6	550.3	546.8	543.7
5°	585.3	579.1	576.0	572.5	566.3	559.2	553.4	549.9	545.4	538.3	531.7
7.5°	605.3	595.9	589.7	584.9	574.2	562.7	553.4	545.9	537.5	527.7	518.4
10°	626.1	611.0	603.0	595.5	580.0	564.9	551.6	540.6	528.6	515.7	505.6
12.5°	642.5	622.5	613.7	603.0	584.0	566.3	549.4	534.4	518.9	505.1	490.5
15°	661.5	636.7	626.5	612.8	586.6	563.6	541.9	525.5	509.5	489.2	473.7
17.5°	672.6	643.8	629.2	617.2	588.9	560.9	535.7	515.3	496.7	476.3	459.9
20°	683.7	650.9	634.5	617.7	584.0	554.3	527.7	503.3	483.8	461.7	444.9
22.5°	687.2	649.1	631.8	616.3	580.9	547.7	517.1	492.3	469.7	447.5	428.5
25°	687.2	648.7	628.3	608.4	571.1	537.0	506.4	479.4	454.2	432.0	413.0
27.5°	680.1	639.8	618.5	600.4	561.8	525.1	493.6	463.9	439.5	417.4	395.7
30°	671.3	627.0	605.7	584.0	546.8	511.8	477.6	450.2	424.5	399.2	379.7
32.5°	660.2	613.2	589.7	567.6	528.2	491.8	460.4	433.3	409.0	382.8	361.1
35°	644.2	592.8	566.7	547.2	509.1	471.4	441.3	414.7	391.2	364.2	340.7
37.5°	623.9	574.2	547.7	523.7	484.3	449.7	421.4	395.7	372.6	347.8	321.7
40°	599.9	548.1	525.1	499.8	458.1	425.4	398.8	375.7	352.7	329.2	304.0
42.5°	572.9	521.5	495.8	471.4	431.6	399.2	374.4	353.6	332.3	310.6	283.6
45°	540.6	492.3	467.5	444.4	405.9	372.6	350.0	330.1	311.9	289.8	265.9
47.5°	504.2	462.1	436.9	412.1	374.4	345.6	323.5	306.6	291.1	269.0	247.2
50°	468.8	427.1	406.8	381.5	346.9	319.9	297.3	283.1	271.2	249.5	230.0
52.5°	424.0	392.6	373.1	351.4	318.1	290.7	272.9	260.5	246.4	229.5	212.2
55°	384.6	355.4	339.8	319.5	286.7	262.3	247.2	235.7	224.6	209.6	195.8
57.5°	339.8	321.7	306.2	288.4	256.1	235.3	222.0	212.2	202.0	189.6	178.6
60°	292.9	284.5	269.4	255.2	227.7	209.6	198.5	189.6	179.9	169.7	160.4
62.5°	251.2	246.4	237.5	226.4	200.7	185.2	174.1	167.5	160.4	151.1	142.2
65°	211.8	209.6	201.2	193.2	175.5	161.7	152.0	148.0	140.0	132.9	124.9
67.5°	176.8	174.1	169.3	165.7	150.6	137.8	132.9	127.6	121.0	115.6	109.0
70°	141.3	140.9	137.8	133.4	125.4	116.1	111.2	107.7	101.0	97.0	92.2
72.5°	109.9	112.1	109.4	107.7	102.4	95.7	91.3	89.1	83.7	80.6	77.1
75°	82.0	83.7	85.1	82.0	80.6	77.5	73.6	71.3	68.7	64.2	62.9
77.5°	55.8	59.8	59.8	60.7	61.1	59.4	56.3	54.5	51.4	50.5	48.7
80°	36.8	40.3	40.8	41.6	43.0	43.0	40.8	40.3	37.2	36.8	35.4
82.5°	21.3	24.4	26.1	27.5	27.0	28.8	27.0	26.6	24.8	24.8	23.9
85°	11.5	12.0	12.8	13.7	14.6	15.5	15.5	15.1	14.6	14.2	13.3
87.5°	4.4	4.4	4.9	4.4	4.9	5.8	6.2	6.2	5.8	5.3	4.4
90°	15.8	14.1	13.3	12.1	9.8	7.5	5.2	2.9	5.2	7.5	9.8
92.5°	14.9	13.2	12.4	12.6	13.0	13.5	13.9	14.3	13.9	13.5	13.0
95°	20.3	20.1	20.0	23.6	30.8	37.9	45.1	52.3	45.1	37.9	30.8
97.5°	87.4	109.6	120.7	118.4	113.7	109.1	104.4	99.8	104.4	109.1	113.7
100°	129.2	158.3	172.9	171.0	167.2	163.4	159.6	155.8	159.6	163.4	167.2
102.5°	233.8	231.3	230.0	228.7	226.2	223.7	221.1	218.6	221.1	223.7	226.2
105°	293.3	292.2	291.7	291.1	289.8	288.5	287.3	286.0	287.3	288.5	289.8
107.5°	352.8	351.3	350.6	350.3	349.7	349.0	348.4	347.8	348.4	349.0	349.7
110°	415.3	414.0	413.4	413.1	412.4	411.8	411.1	410.5	411.1	411.8	412.4

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	477.6	477.2	477.0	476.4	475.1	473.8	472.6	471.3	472.6	473.8	475.1
115°	536.6	536.8	536.9	536.6	535.9	535.3	534.6	534.0	534.6	535.3	535.9
117.5°	594.9	594.2	593.9	593.5	592.6	591.8	590.9	590.1	590.9	591.8	592.6
120°	650.6	650.8	650.9	650.5	649.6	648.8	647.9	647.1	647.9	648.8	649.6
122.5°	702.8	702.4	702.2	702.0	701.6	701.1	700.7	700.3	700.7	701.1	701.6
125°	753.9	754.3	754.5	754.1	753.2	752.4	751.5	750.7	751.5	752.4	753.2
127.5°	801.7	800.6	800.1	800.0	799.8	799.6	799.4	799.2	799.4	799.6	799.8
130°	847.6	847.0	846.7	846.6	846.4	846.1	845.9	845.7	845.9	846.1	846.4
132.5°	891.7	890.8	890.4	890.2	889.8	889.3	888.9	888.5	888.9	889.3	889.8
135°	931.6	930.7	930.3	930.4	930.6	930.9	931.1	931.3	931.1	930.9	930.6
137.5°	970.9	969.8	969.3	969.3	969.3	969.3	969.3	969.3	969.3	969.3	969.3
140°	1008.8	1008.4	1008.2	1008.0	1007.6	1007.1	1006.7	1006.3	1006.7	1007.1	1007.6
142.5°	1043.7	1043.5	1043.4	1043.0	1042.1	1041.3	1040.4	1039.6	1040.4	1041.3	1042.1
145°	1076.6	1076.6	1076.6	1076.3	1075.7	1075.0	1074.4	1073.8	1074.4	1075.0	1075.7
147.5°	1105.8	1106.0	1106.1	1105.5	1104.2	1102.9	1101.7	1100.4	1101.7	1102.9	1104.2
150°	1133.4	1133.6	1133.7	1133.3	1132.4	1131.6	1130.7	1129.9	1130.7	1131.6	1132.4
152.5°	1156.8	1157.2	1157.4	1157.1	1156.5	1155.8	1155.2	1154.6	1155.2	1155.8	1156.5
155°	1177.4	1178.0	1178.3	1178.2	1178.0	1177.8	1177.6	1177.4	1177.6	1177.8	1178.0
157.5°	1196.0	1196.9	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.3
160°	1211.3	1211.5	1211.6	1211.9	1212.5	1213.2	1213.8	1214.4	1213.8	1213.2	1212.5
162.5°	1225.5	1225.7	1225.8	1226.2	1227.1	1227.9	1228.8	1229.6	1228.8	1227.9	1227.1
165°	1237.2	1237.2	1237.2	1237.7	1238.8	1239.9	1240.9	1242.0	1240.9	1239.9	1238.8
167.5°	1247.4	1247.6	1247.7	1248.2	1249.3	1250.3	1251.4	1252.4	1251.4	1250.3	1249.3
170°	1255.6	1255.4	1255.3	1255.9	1257.2	1258.5	1259.7	1261.0	1259.7	1258.5	1257.2
172.5°	1261.3	1261.1	1261.0	1261.6	1262.9	1264.2	1265.4	1266.7	1265.4	1264.2	1262.9
175°	1265.1	1264.9	1264.8	1265.4	1266.7	1268.0	1269.2	1270.5	1269.2	1268.0	1266.7
177.5°	1267.3	1266.9	1266.7	1267.4	1268.9	1270.4	1271.9	1273.4	1271.9	1270.4	1268.9
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	541.0	540.1	539.2	535.7	532.6	527.3	522.8	521.1	520.6	521.1	519.7
5°	525.5	525.1	522.0	515.7	510.0	503.8	499.4	494.9	492.3	492.3	489.2
7.5°	510.9	507.8	505.1	497.1	490.5	482.1	475.4	471.4	469.2	464.4	464.4
10°	495.4	490.9	487.4	479.9	470.1	461.7	453.3	448.4	444.4	440.9	439.5
12.5°	479.9	476.3	469.7	461.7	451.9	441.3	432.5	428.9	419.6	412.1	412.5
15°	465.2	457.3	454.2	442.6	431.1	420.9	408.1	397.9	390.4	385.5	379.3
17.5°	448.8	440.9	435.1	425.4	410.3	394.3	381.9	368.2	360.7	352.3	348.3
20°	430.7	424.0	419.6	404.1	385.9	366.9	353.1	344.7	336.3	330.1	326.6
22.5°	415.2	406.8	401.4	380.6	360.7	341.6	331.0	323.9	316.8	311.5	309.7
25°	395.2	390.4	377.5	359.3	335.0	322.1	312.8	303.5	299.5	296.0	292.0
27.5°	378.8	366.9	358.0	334.1	319.0	304.4	295.1	288.0	283.1	279.6	276.5
30°	358.5	347.4	335.0	315.0	301.3	287.6	279.1	273.4	268.1	265.9	263.2
32.5°	337.2	327.0	315.0	299.1	282.2	271.6	265.0	258.8	255.2	253.0	249.9
35°	318.1	305.3	297.3	282.2	268.5	256.5	250.3	245.0	241.0	240.2	239.7
37.5°	297.8	288.0	280.5	265.0	253.4	243.3	237.5	231.7	229.5	229.1	227.3
40°	280.0	271.6	264.5	249.9	237.5	228.2	223.8	220.2	218.0	218.0	217.6
42.5°	264.5	255.7	248.6	235.3	224.2	215.8	210.9	207.4	206.5	206.9	206.5
45°	247.2	239.7	232.6	218.9	209.6	203.4	198.1	196.3	195.0	195.4	195.8
47.5°	230.8	224.6	217.6	206.5	195.8	189.2	186.1	184.3	184.3	184.3	185.2
50°	216.2	209.1	202.9	191.4	181.7	176.3	173.7	171.5	171.9	172.4	172.8
52.5°	198.9	192.7	188.3	176.8	169.7	163.1	160.0	160.4	160.0	160.0	160.8
55°	183.9	177.7	173.2	162.6	155.5	151.1	148.4	147.1	147.5	146.7	148.4
57.5°	167.0	161.7	158.6	148.4	142.2	138.2	136.0	133.8	134.7	134.3	133.8
60°	152.4	146.2	141.3	134.3	128.9	124.1	122.7	120.5	121.4	120.5	120.1
62.5°	135.6	130.7	127.2	120.1	115.6	111.7	108.6	107.2	106.8	105.5	104.1
65°	118.7	116.1	112.5	105.5	101.0	97.9	96.1	94.8	94.4	90.8	86.8
67.5°	103.2	101.5	97.9	92.6	88.6	85.5	82.9	80.6	78.0	75.3	73.1
70°	88.6	86.0	83.7	78.9	75.3	72.2	69.6	66.9	65.6	62.9	62.0
72.5°	74.4	71.8	69.6	65.1	62.0	58.9	58.0	54.9	53.6	53.2	53.2
75°	59.8	57.6	56.3	52.3	49.6	47.4	46.1	45.2	44.3	43.4	42.1
77.5°	45.6	44.3	43.4	40.8	38.5	37.2	36.8	33.7	32.8	31.9	31.0
80°	33.2	32.8	31.9	29.7	28.8	25.7	25.7	24.8	24.4	24.4	24.4
82.5°	22.6	21.7	21.3	19.1	18.6	18.2	17.7	17.3	17.7	17.3	17.7
85°	12.0	11.5	11.1	11.1	11.1	11.1	11.1	11.1	11.1	10.6	11.1
87.5°	4.4	4.4	4.4	4.4	4.0	4.4	4.4	4.0	4.4	4.4	4.4
90°	12.1	13.3	14.1	15.8	17.5	19.2	20.9	22.2	23.4	24.7	26.0
92.5°	12.6	12.4	13.2	14.9	16.6	18.3	20.0	21.3	22.5	23.8	25.1
95°	23.6	20.0	20.1	20.3	20.5	20.7	20.9	22.2	23.4	24.7	26.0
97.5°	118.4	120.7	109.6	87.4	65.3	43.1	20.9	22.0	23.0	24.1	25.2
100°	171.0	172.9	158.3	129.2	100.1	70.9	41.8	38.2	34.6	31.1	27.5
102.5°	228.7	230.0	231.3	233.8	236.3	238.9	241.4	193.9	146.4	98.9	51.4
105°	291.1	291.7	292.2	293.3	294.4	295.4	296.5	298.4	300.3	302.2	304.1
107.5°	350.3	350.6	351.3	352.8	354.3	355.8	357.3	358.3	359.4	360.4	361.5
110°	413.1	413.4	414.0	415.3	416.6	417.8	419.1	419.5	419.9	420.4	420.8

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	476.4	477.0	477.2	477.6	478.1	478.5	478.9	478.7	478.5	478.3	478.1
115°	536.6	536.9	536.8	536.6	536.3	536.1	535.9	536.3	536.7	537.2	537.6
117.5°	593.5	593.9	594.2	594.9	595.5	596.2	596.8	596.6	596.4	596.1	595.9
120°	650.5	650.9	650.8	650.6	650.4	650.2	650.0	650.4	650.8	651.3	651.7
122.5°	702.0	702.2	702.4	702.8	703.3	703.7	704.1	704.3	704.5	704.8	705.0
125°	754.1	754.5	754.3	753.9	753.4	753.0	752.6	753.2	753.9	754.5	755.2
127.5°	800.0	800.1	800.6	801.7	802.8	803.8	804.9	804.7	804.5	804.2	804.0
130°	846.6	846.7	847.0	847.6	848.3	848.9	849.5	849.7	849.9	850.2	850.4
132.5°	890.2	890.4	890.8	891.7	892.5	893.4	894.2	894.4	894.6	894.8	895.0
135°	930.4	930.3	930.7	931.6	932.4	933.3	934.1	934.5	934.9	935.4	935.8
137.5°	969.3	969.3	969.8	970.9	971.9	973.0	974.0	974.4	974.8	975.3	975.7
140°	1008.0	1008.2	1008.4	1008.8	1009.3	1009.7	1010.1	1010.7	1011.4	1012.0	1012.7
142.5°	1043.0	1043.4	1043.5	1043.7	1043.9	1044.1	1044.3	1044.7	1045.1	1045.6	1046.0
145°	1076.3	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.8	1077.0	1077.3	1077.5
147.5°	1105.5	1106.1	1106.0	1105.8	1105.6	1105.4	1105.2	1105.4	1105.6	1105.8	1106.0
150°	1133.3	1133.7	1133.6	1133.4	1133.1	1132.9	1132.7	1132.7	1132.7	1132.7	1132.7
152.5°	1157.1	1157.4	1157.2	1156.8	1156.3	1155.9	1155.5	1155.9	1156.3	1156.8	1157.2
155°	1178.2	1178.3	1178.0	1177.4	1176.7	1176.1	1175.5	1176.3	1177.2	1178.0	1178.9
157.5°	1197.3	1197.3	1196.9	1196.0	1195.2	1194.3	1193.5	1194.6	1195.6	1196.7	1197.8
160°	1211.9	1211.6	1211.5	1211.3	1211.0	1210.8	1210.6	1211.9	1213.1	1214.4	1215.7
162.5°	1226.2	1225.8	1225.7	1225.5	1225.3	1225.1	1224.9	1226.2	1227.4	1228.7	1230.0
165°	1237.7	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1238.9	1240.6	1242.3	1244.0
167.5°	1248.2	1247.7	1247.6	1247.4	1247.1	1246.9	1246.7	1248.6	1250.5	1252.4	1254.3
170°	1255.9	1255.3	1255.4	1255.6	1255.8	1256.0	1256.2	1257.9	1259.6	1261.3	1263.0
172.5°	1261.6	1261.0	1261.1	1261.3	1261.5	1261.7	1261.9	1263.6	1265.3	1267.0	1268.7
175°	1265.4	1264.8	1264.9	1265.1	1265.3	1265.5	1265.7	1267.6	1269.5	1271.4	1273.3
177.5°	1267.4	1266.7	1266.9	1267.3	1267.8	1268.2	1268.6	1270.3	1272.0	1273.7	1275.4
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	519.7	521.5	519.3	520.6	517.5	517.1	517.5	517.5	518.0	518.4	518.9
5°	490.5	490.1	487.4	485.6	484.3	485.6	486.5	487.4	486.5	487.4	487.8
7.5°	463.0	461.7	460.4	457.3	458.1	457.3	459.9	458.6	458.6	460.8	462.6
10°	438.7	436.0	435.1	431.6	428.9	428.5	431.6	432.9	434.2	435.1	438.7
12.5°	407.2	403.2	400.1	401.4	393.9	397.0	397.9	396.1	401.4	407.6	404.1
15°	373.5	374.0	367.8	365.5	359.3	361.1	361.6	366.0	370.4	370.0	375.3
17.5°	348.7	346.0	340.7	340.3	337.6	339.0	338.5	342.1	340.7	342.9	347.4
20°	325.7	323.9	319.5	317.7	318.6	317.7	318.1	318.6	319.9	324.8	323.9
22.5°	307.5	305.3	305.3	303.1	300.4	299.5	301.7	303.1	304.8	305.7	307.9
25°	291.5	289.8	287.6	286.2	284.0	284.5	285.8	287.6	288.9	290.7	292.4
27.5°	275.2	275.2	272.9	272.5	271.6	271.2	272.9	273.8	273.8	275.2	276.9
30°	262.3	262.3	260.1	259.6	259.2	259.2	260.5	261.0	261.4	262.7	263.6
32.5°	249.9	249.5	248.6	249.0	248.6	249.0	249.0	249.5	250.3	250.8	252.6
35°	238.4	238.8	237.9	237.9	237.5	237.9	238.8	239.3	239.7	240.6	240.6
37.5°	227.3	228.2	227.7	229.1	229.1	229.1	229.1	230.0	230.0	230.0	229.5
40°	217.6	217.6	217.1	218.0	218.9	218.9	219.3	219.3	219.8	219.8	219.3
42.5°	206.5	207.4	208.7	209.1	210.0	209.6	210.9	210.5	210.9	210.0	209.1
45°	196.3	196.3	198.1	199.8	200.3	200.3	200.3	201.2	200.3	198.9	198.5
47.5°	185.2	186.1	187.0	189.2	189.6	189.6	189.6	189.6	188.8	188.8	188.8
50°	174.1	174.6	175.0	175.9	177.2	176.8	176.8	176.8	178.6	176.8	177.2
52.5°	160.8	161.3	161.7	163.5	163.1	163.1	163.5	163.5	164.8	164.4	163.5
55°	147.5	147.5	148.4	148.4	148.4	149.3	149.8	150.6	150.2	150.6	151.1
57.5°	134.3	133.4	132.9	132.9	134.3	133.8	134.3	134.3	136.0	136.9	137.4
60°	118.7	118.7	118.3	115.6	115.6	115.2	116.5	117.4	118.3	122.3	121.8
62.5°	102.8	101.0	99.3	99.7	97.0	98.4	97.5	98.4	101.0	104.1	104.6
65°	86.8	85.5	83.7	83.3	82.4	83.7	83.3	83.7	85.1	86.8	89.1
67.5°	72.7	72.2	71.3	70.9	70.9	70.9	71.8	71.8	72.2	73.6	74.9
70°	62.0	61.6	62.0	61.1	61.6	61.1	61.6	62.0	62.5	62.9	64.2
72.5°	52.3	52.3	52.3	51.4	52.3	51.8	51.8	52.3	52.7	53.2	54.1
75°	41.6	40.8	39.9	39.0	38.5	39.4	39.9	39.4	40.8	42.5	42.5
77.5°	31.5	31.0	31.0	31.0	31.5	31.0	31.9	31.5	31.9	31.9	32.8
80°	24.4	23.9	24.4	24.4	23.9	24.8	24.4	24.4	24.8	25.3	24.8
82.5°	17.7	18.2	17.7	17.7	17.7	18.6	17.7	17.7	17.7	18.2	18.2
85°	11.1	11.1	11.1	11.1	11.5	11.1	11.5	11.1	12.0	11.5	11.5
87.5°	4.0	4.4	4.9	4.9	4.9	4.9	4.4	4.9	5.3	4.9	5.3
90°	26.6	26.8	27.2	27.7	28.1	28.5	28.1	27.7	27.2	26.8	26.6
92.5°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
95°	26.6	26.7	26.9	27.2	27.4	27.6	27.4	27.2	26.9	26.7	26.6
97.5°	25.7	25.8	26.0	26.2	26.4	26.6	26.4	26.2	26.0	25.8	25.7
100°	25.7	25.8	26.0	26.2	26.4	26.6	26.4	26.2	26.0	25.8	25.7
102.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
105°	305.0	301.2	293.6	286.0	278.4	270.8	278.4	286.0	293.6	301.2	305.0
107.5°	362.0	362.4	363.3	364.2	365.0	365.9	365.0	364.2	363.3	362.4	362.0
110°	421.0	421.3	421.9	422.6	423.2	423.8	423.2	422.6	421.9	421.3	421.0

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	478.0	478.4	479.3	480.1	481.0	481.8	481.0	480.1	479.3	478.4	478.0
115°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
117.5°	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8
120°	651.9	651.7	651.3	650.8	650.4	650.0	650.4	650.8	651.3	651.7	651.9
122.5°	705.1	704.9	704.5	704.0	703.6	703.2	703.6	704.0	704.5	704.9	705.1
125°	755.5	755.6	755.8	756.0	756.2	756.4	756.2	756.0	755.8	755.6	755.5
127.5°	803.9	803.8	803.6	803.4	803.2	803.0	803.2	803.4	803.6	803.8	803.9
130°	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5
132.5°	895.1	895.0	894.8	894.6	894.4	894.2	894.4	894.6	894.8	895.0	895.1
135°	936.0	936.2	936.6	937.1	937.5	937.9	937.5	937.1	936.6	936.2	936.0
137.5°	975.9	975.8	975.6	975.4	975.2	975.0	975.2	975.4	975.6	975.8	975.9
140°	1013.0	1013.1	1013.3	1013.5	1013.7	1013.9	1013.7	1013.5	1013.3	1013.1	1013.0
142.5°	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2
145°	1077.6	1077.8	1078.2	1078.7	1079.1	1079.5	1079.1	1078.7	1078.2	1077.8	1077.6
147.5°	1106.1	1106.2	1106.4	1106.7	1106.9	1107.1	1106.9	1106.7	1106.4	1106.2	1106.1
150°	1132.7	1132.8	1133.0	1133.3	1133.5	1133.7	1133.5	1133.3	1133.0	1132.8	1132.7
152.5°	1157.4	1157.3	1157.1	1156.9	1156.7	1156.5	1156.7	1156.9	1157.1	1157.3	1157.4
155°	1179.3	1179.0	1178.3	1177.7	1177.0	1176.4	1177.0	1177.7	1178.3	1179.0	1179.3
157.5°	1198.3	1197.8	1196.7	1195.6	1194.6	1193.5	1194.6	1195.6	1196.7	1197.8	1198.3
160°	1216.3	1215.7	1214.4	1213.1	1211.9	1210.6	1211.9	1213.1	1214.4	1215.7	1216.3
162.5°	1230.6	1229.9	1228.4	1226.9	1225.4	1223.9	1225.4	1226.9	1228.4	1229.9	1230.6
165°	1244.8	1243.9	1242.0	1240.1	1238.2	1236.3	1238.2	1240.1	1242.0	1243.9	1244.8
167.5°	1255.3	1254.2	1252.1	1250.0	1247.9	1245.8	1247.9	1250.0	1252.1	1254.2	1255.3
170°	1263.8	1262.7	1260.6	1258.5	1256.4	1254.3	1256.4	1258.5	1260.6	1262.7	1263.8
172.5°	1269.6	1268.4	1266.1	1263.8	1261.4	1259.1	1261.4	1263.8	1266.1	1268.4	1269.6
175°	1274.3	1273.0	1270.5	1268.0	1265.4	1262.9	1265.4	1268.0	1270.5	1273.0	1274.3
177.5°	1276.2	1274.9	1272.4	1269.9	1267.3	1264.8	1267.3	1269.9	1272.4	1274.9	1276.2
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9
2.5°	520.6	522.8	522.0	518.9	520.2	522.8	525.5	529.0	531.3	533.0	533.9
5°	490.1	494.0	493.2	493.2	494.9	499.4	503.8	511.3	514.0	517.1	521.5
7.5°	463.0	466.1	468.8	469.7	472.3	478.1	483.8	492.3	498.9	502.5	505.1
10°	439.1	441.3	445.3	447.5	450.2	457.3	465.7	474.5	481.2	487.4	490.9
12.5°	408.5	417.4	422.7	426.2	429.8	440.4	447.1	456.8	464.8	470.6	475.9
15°	374.4	385.0	388.1	401.9	410.7	419.2	429.3	440.9	448.4	455.0	462.1
17.5°	345.6	353.1	356.7	371.3	378.8	392.1	406.8	421.4	432.9	437.8	444.9
20°	327.4	331.4	338.5	343.4	351.4	366.9	382.8	400.5	417.8	422.7	429.8
22.5°	308.8	314.1	319.0	325.7	331.9	342.5	358.5	378.0	396.6	405.4	413.8
25°	292.0	297.3	300.4	307.5	313.3	323.9	335.0	354.9	377.1	384.6	397.9
27.5°	278.7	281.8	287.1	290.2	296.9	306.6	316.8	331.9	353.6	366.4	379.3
30°	265.4	267.6	272.1	276.5	281.4	288.0	299.5	314.1	334.1	345.2	358.0
32.5°	252.1	255.7	258.3	261.4	266.7	274.7	282.7	296.9	312.8	325.2	338.1
35°	241.0	242.4	245.9	249.5	253.0	260.1	268.5	282.2	296.4	306.2	317.7
37.5°	229.1	231.3	233.9	235.3	241.0	245.5	254.3	265.0	281.8	288.0	299.5
40°	219.8	219.3	222.0	224.2	226.9	233.9	239.3	250.8	264.1	273.8	280.9
42.5°	208.2	208.2	209.1	211.8	215.3	219.8	226.0	235.7	249.5	256.5	265.0
45°	198.9	197.6	198.1	199.8	202.0	206.5	212.7	221.1	234.8	240.6	249.5
47.5°	187.9	186.5	186.5	188.3	190.1	193.2	198.1	207.8	218.9	226.4	233.1
50°	175.5	175.9	175.5	176.8	177.7	180.8	186.1	194.1	204.3	210.5	218.0
52.5°	163.9	163.1	162.6	163.5	165.3	167.5	173.2	180.3	190.1	196.3	202.9
55°	149.8	150.6	150.6	150.6	153.3	154.2	158.6	165.7	175.5	180.3	186.5
57.5°	136.9	136.5	137.4	136.9	139.1	142.2	145.8	151.1	160.8	165.7	171.5
60°	122.7	123.2	123.6	123.6	125.4	128.5	132.5	137.4	145.3	150.2	155.5
62.5°	105.5	107.7	109.9	110.8	113.4	115.6	118.3	123.6	130.7	134.3	139.1
65°	89.1	92.2	95.3	97.5	99.3	101.5	105.0	109.9	115.6	119.2	124.1
67.5°	74.9	77.1	81.1	83.3	86.8	89.5	91.7	95.7	102.8	104.1	108.1
70°	64.7	65.6	67.3	69.1	73.1	75.3	78.0	82.0	87.3	90.4	92.6
72.5°	54.5	54.9	55.8	57.6	59.4	62.0	65.1	68.7	73.6	74.9	78.0
75°	43.4	46.1	46.1	47.4	48.7	50.1	52.7	56.3	59.4	61.6	63.4
77.5°	32.3	33.7	34.6	36.8	38.5	39.9	41.6	44.3	46.1	47.9	49.2
80°	25.3	25.7	26.1	26.1	27.0	28.8	30.6	32.3	34.6	35.4	36.8
82.5°	18.6	18.6	18.6	19.5	19.9	20.4	20.4	21.3	23.5	24.4	25.7
85°	12.0	12.0	12.0	12.0	12.4	12.8	13.3	13.7	13.7	13.7	14.6
87.5°	4.9	5.8	5.3	5.8	5.8	5.8	5.8	6.2	6.2	6.6	6.6
90°	26.0	24.7	23.4	22.2	20.9	19.2	17.5	15.8	14.1	13.3	12.1
92.5°	25.1	23.8	22.5	21.3	20.0	18.3	16.6	14.9	13.2	12.4	12.6
95°	26.0	24.7	23.4	22.2	20.9	20.7	20.5	20.3	20.1	20.0	23.6
97.5°	25.2	24.1	23.0	22.0	20.9	43.1	65.3	87.4	109.6	120.7	118.4
100°	27.5	31.1	34.6	38.2	41.8	70.9	100.1	129.2	158.3	172.9	171.0
102.5°	51.4	98.9	146.4	193.9	241.4	238.9	236.3	233.8	231.3	230.0	228.7
105°	304.1	302.2	300.3	298.4	296.5	295.4	294.4	293.3	292.2	291.7	291.1
107.5°	361.5	360.4	359.4	358.3	357.3	355.8	354.3	352.8	351.3	350.6	350.3
110°	420.8	420.4	419.9	419.5	419.1	417.8	416.6	415.3	414.0	413.4	413.1

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	478.1	478.3	478.5	478.7	478.9	478.5	478.1	477.6	477.2	477.0	476.4
115°	537.6	537.2	536.7	536.3	535.9	536.1	536.3	536.6	536.8	536.9	536.6
117.5°	595.9	596.1	596.4	596.6	596.8	596.2	595.5	594.9	594.2	593.9	593.5
120°	651.7	651.3	650.8	650.4	650.0	650.2	650.4	650.6	650.8	650.9	650.5
122.5°	705.0	704.8	704.5	704.3	704.1	703.7	703.3	702.8	702.4	702.2	702.0
125°	755.2	754.5	753.9	753.2	752.6	753.0	753.4	753.9	754.3	754.5	754.1
127.5°	804.0	804.2	804.5	804.7	804.9	803.8	802.8	801.7	800.6	800.1	800.0
130°	850.4	850.2	849.9	849.7	849.5	848.9	848.3	847.6	847.0	846.7	846.6
132.5°	895.0	894.8	894.6	894.4	894.2	893.4	892.5	891.7	890.8	890.4	890.2
135°	935.8	935.4	934.9	934.5	934.1	933.3	932.4	931.6	930.7	930.3	930.4
137.5°	975.7	975.3	974.8	974.4	974.0	973.0	971.9	970.9	969.8	969.3	969.3
140°	1012.7	1012.0	1011.4	1010.7	1010.1	1009.7	1009.3	1008.8	1008.4	1008.2	1008.0
142.5°	1046.0	1045.6	1045.1	1044.7	1044.3	1044.1	1043.9	1043.7	1043.5	1043.4	1043.0
145°	1077.5	1077.3	1077.0	1076.8	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.3
147.5°	1106.0	1105.8	1105.6	1105.4	1105.2	1105.4	1105.6	1105.8	1106.0	1106.1	1105.5
150°	1132.7	1132.7	1132.7	1132.7	1132.7	1132.9	1133.1	1133.4	1133.6	1133.7	1133.3
152.5°	1157.2	1156.8	1156.3	1155.9	1155.5	1155.9	1156.3	1156.8	1157.2	1157.4	1157.1
155°	1178.9	1178.0	1177.2	1176.3	1175.5	1176.1	1176.7	1177.4	1178.0	1178.3	1178.2
157.5°	1197.8	1196.7	1195.6	1194.6	1193.5	1194.3	1195.2	1196.0	1196.9	1197.3	1197.3
160°	1215.7	1214.4	1213.1	1211.9	1210.6	1210.8	1211.0	1211.3	1211.5	1211.6	1211.9
162.5°	1230.0	1228.7	1227.4	1226.2	1224.9	1225.1	1225.3	1225.5	1225.7	1225.8	1226.2
165°	1244.0	1242.3	1240.6	1238.9	1237.2	1237.2	1237.2	1237.2	1237.2	1237.2	1237.7
167.5°	1254.3	1252.4	1250.5	1248.6	1246.7	1246.9	1247.1	1247.4	1247.6	1247.7	1248.2
170°	1263.0	1261.3	1259.6	1257.9	1256.2	1256.0	1255.8	1255.6	1255.4	1255.3	1255.9
172.5°	1268.7	1267.0	1265.3	1263.6	1261.9	1261.7	1261.5	1261.3	1261.1	1261.0	1261.6
175°	1273.3	1271.4	1269.5	1267.6	1265.7	1265.5	1265.3	1265.1	1264.9	1264.8	1265.4
177.5°	1275.4	1273.7	1272.0	1270.3	1268.6	1268.2	1267.8	1267.3	1266.9	1266.7	1267.4
180°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5

TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	549.9	549.9	549.9	549.9
2.5°	537.5	540.1	544.6	550.8
5°	525.1	532.6	539.7	549.0
7.5°	514.0	522.8	532.6	545.9
10°	501.1	512.2	524.6	541.0
12.5°	486.1	501.6	515.7	533.5
15°	475.0	486.5	504.7	525.5
17.5°	459.5	475.0	493.2	516.6
20°	444.9	461.3	481.6	506.0
22.5°	429.3	448.0	468.3	494.5
25°	413.4	433.3	453.7	481.6
27.5°	398.8	416.9	440.0	468.3
30°	381.1	401.9	424.0	453.7
32.5°	363.8	385.5	408.1	437.8
35°	345.2	366.9	391.7	420.0
37.5°	327.0	350.9	373.5	401.0
40°	307.1	331.9	355.4	383.3
42.5°	287.6	313.3	336.7	360.7
45°	269.4	294.7	315.9	338.5
47.5°	252.1	274.7	296.4	316.8
50°	235.3	254.3	274.3	291.1
52.5°	217.6	235.7	251.7	266.7
55°	201.6	215.8	230.0	243.7
57.5°	182.6	196.7	209.1	219.8
60°	166.6	175.5	187.4	198.5
62.5°	148.4	158.6	167.9	175.0
65°	130.7	139.6	146.7	152.9
67.5°	115.6	121.0	126.3	132.9
70°	97.5	101.9	108.1	113.0
72.5°	82.0	85.5	88.6	94.4
75°	66.5	69.6	71.3	76.7
77.5°	51.4	54.5	55.8	58.9
80°	39.4	39.9	41.6	44.3
82.5°	27.0	27.9	28.4	30.6
85°	15.5	17.7	17.3	18.2
87.5°	6.6	7.1	8.0	8.9
90°	9.8	7.5	5.2	2.9
92.5°	13.0	13.5	13.9	14.3
95°	30.8	37.9	45.1	52.3
97.5°	113.7	109.1	104.4	99.8
100°	167.2	163.4	159.6	155.8
102.5°	226.2	223.7	221.1	218.6
105°	289.8	288.5	287.3	286.0
107.5°	349.7	349.0	348.4	347.8
110°	412.4	411.8	411.1	410.5



TEST NUMBER: P1013304

CATALOG NUMBER: S124RDIP-B350D1035UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	475.1	473.8	472.6	471.3
115°	535.9	535.3	534.6	534.0
117.5°	592.6	591.8	590.9	590.1
120°	649.6	648.8	647.9	647.1
122.5°	701.6	701.1	700.7	700.3
125°	753.2	752.4	751.5	750.7
127.5°	799.8	799.6	799.4	799.2
130°	846.4	846.1	845.9	845.7
132.5°	889.8	889.3	888.9	888.5
135°	930.6	930.9	931.1	931.3
137.5°	969.3	969.3	969.3	969.3
140°	1007.6	1007.1	1006.7	1006.3
142.5°	1042.1	1041.3	1040.4	1039.6
145°	1075.7	1075.0	1074.4	1073.8
147.5°	1104.2	1102.9	1101.7	1100.4
150°	1132.4	1131.6	1130.7	1129.9
152.5°	1156.5	1155.8	1155.2	1154.6
155°	1178.0	1177.8	1177.6	1177.4
157.5°	1197.3	1197.3	1197.3	1197.3
160°	1212.5	1213.2	1213.8	1214.4
162.5°	1227.1	1227.9	1228.8	1229.6
165°	1238.8	1239.9	1240.9	1242.0
167.5°	1249.3	1250.3	1251.4	1252.4
170°	1257.2	1258.5	1259.7	1261.0
172.5°	1262.9	1264.2	1265.4	1266.7
175°	1266.7	1268.0	1269.2	1270.5
177.5°	1268.9	1270.4	1271.9	1273.4
180°	1270.5	1270.5	1270.5	1270.5

(END OF REPORT)