

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: P1010870

Luminaire Tested: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010870
REPORT IS A COMBINATION OF REPORTS P993126 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K
Description: Define 3 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

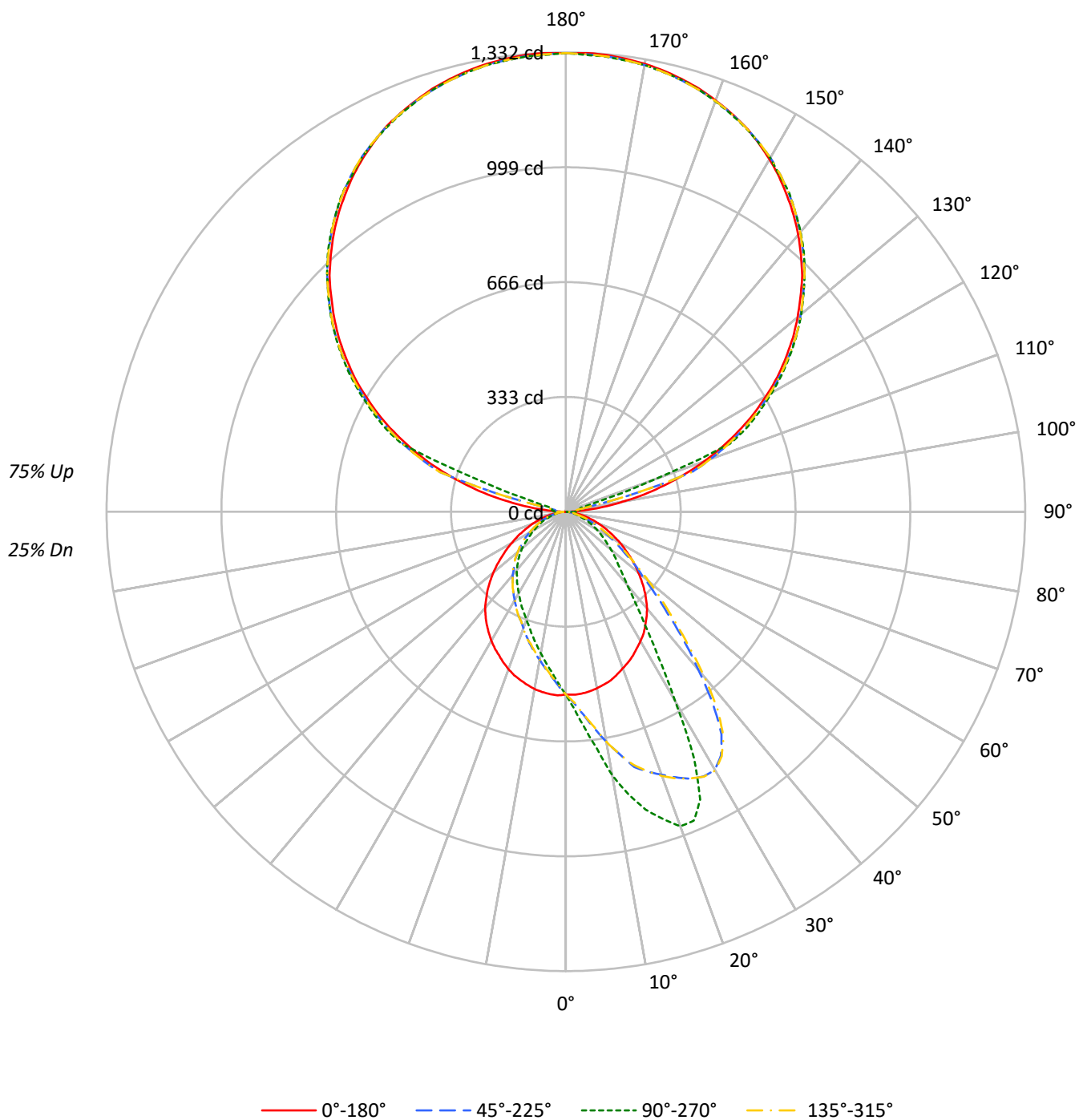
Lumens per Lamp: N/A
Luminaire Lumens: 5376.0 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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

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Luminous Intensity Polar Plot



TEST NUMBER: P1010870

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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	90	90	90	90	69	69	69	50	50	50	33	33	33
1	92	88	85	81	82	79	76	73	61	59	57	44	43	42	29	29	28
2	84	77	72	67	75	69	64	60	54	50	48	39	37	36	26	25	24
3	77	68	61	56	68	61	55	51	48	44	40	35	33	30	23	22	21
4	70	60	53	47	63	54	48	43	42	38	35	31	28	26	21	19	18
5	65	54	46	41	57	48	42	37	38	33	30	28	25	23	19	17	16
6	60	48	41	35	53	43	37	32	34	29	26	25	22	20	17	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	23	20	21	18	16	15	13	11
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	13	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°	5702	5702	5702	5702
5°	5707	6567	5721	4872
10°	5655	7927	5680	4255
15°	5598	8997	5598	3752
20°	5483	9704	5513	3329
25°	5399	9220	5389	3037
30°	5302	6389	5289	2753
35°	5184	4101	5159	2538
40°	5037	2896	5012	2324
45°	4782	2318	4775	2116
50°	4469	1939	4454	1872
55°	4117	1598	4084	1587
60°	3772	1321	3735	1349
65°	3365	1057	3387	1143
70°	2992	735	3072	925
75°	2537	546	2640	711
80°	2020	360	2193	533
85°	1441	171	1566	332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	1.0
10°-20°	162.8	3.0
20°-30°	256.5	4.8
30°-40°	266.7	5.0
40°-50°	228.2	4.2
50°-60°	173.9	3.2
60°-70°	111.4	2.1
70°-80°	53.4	1.0
80°-90°	16.7	0.3
90°-100°	46.9	0.9
100°-110°	226.7	4.2
110°-120°	555.6	10.3
120°-130°	705.4	13.1
130°-140°	753.5	14.0
140°-150°	704.6	13.1
150°-160°	568.4	10.6
160°-170°	366.8	6.8
170°-180°	126.4	2.4
0°-30°	471.3	8.8
0°-40°	738.0	13.7
0°-60°	1140.1	21.2
0°-90°	1321.7	24.6
90°-120°	829.3	15.4
90°-150°	2992.8	55.7
90°-180°	4054.0	75.4
0°-180°	5376.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	530	530	530	530	530	
5°	529	629	531	467	529	50
15°	506	894	506	373	506	142
25°	460	921	459	303	460	212
35°	401	400	400	247	401	251
45°	322	213	322	195	322	248
55°	227	134	225	133	227	204
65°	139	77	140	83	139	139
75°	67	33	69	43	67	72
85°	15	8	16	15	15	17
90°	1	30	1	30	1	4
95°	60	38	60	38	60	72
105°	294	44	294	44	294	312
115°	552	581	552	581	552	545
125°	779	794	779	794	779	696
135°	969	979	969	979	969	746
145°	1118	1129	1118	1129	1118	700
155°	1232	1230	1232	1230	1232	568
165°	1299	1296	1299	1296	1299	367
175°	1330	1325	1330	1325	1330	127
180°	1330	1330	1330	1330	1330	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7
2.5°	531.1	534.7	537.4	539.2	543.8	546.5	548.8	552.8	552.8	553.7	555.6
5°	529.3	537.0	542.4	549.7	559.2	563.7	570.1	575.5	583.2	587.3	591.4
7.5°	525.2	536.1	547.4	558.3	572.3	581.4	587.8	601.8	611.8	624.0	633.6
10°	519.7	534.7	549.2	566.0	585.0	598.6	608.2	626.8	645.8	663.0	677.6
12.5°	512.9	531.1	551.9	572.3	599.1	612.7	628.1	651.2	678.5	700.2	719.7
15°	505.7	526.5	550.1	575.1	608.6	627.7	649.9	678.0	708.4	739.7	766.4
17.5°	494.3	520.6	546.9	583.2	622.7	634.0	653.1	691.6	729.3	757.4	790.0
20°	483.0	512.5	545.6	578.2	620.9	647.2	664.9	705.7	746.0	780.0	811.3
22.5°	472.6	503.4	537.9	579.1	619.0	645.4	667.6	710.2	756.9	795.0	833.6
25°	459.9	493.4	531.5	570.5	619.0	639.0	663.5	712.9	762.4	806.4	854.0
27.5°	446.3	480.3	517.9	557.8	602.3	631.7	655.8	708.8	769.2	816.3	865.3
30°	432.7	467.6	503.9	539.7	589.6	617.7	645.4	703.9	772.8	826.8	864.4
32.5°	419.5	449.0	484.8	519.7	569.2	600.0	631.3	698.9	774.2	819.5	837.6
35°	401.4	432.2	461.2	498.4	548.3	578.7	615.4	698.4	768.3	796.4	787.3
37.5°	384.6	410.4	438.1	471.2	522.5	561.9	600.0	686.6	748.8	750.6	699.3
40°	366.0	387.3	410.4	445.4	500.7	539.7	581.0	668.5	713.4	686.6	596.4
42.5°	344.7	363.7	381.9	415.9	476.2	519.7	564.2	645.8	662.1	600.5	506.6
45°	322.0	337.4	354.2	390.0	450.3	493.4	537.9	610.9	594.1	507.0	417.7
47.5°	298.4	311.6	327.9	360.5	422.7	466.7	508.8	561.0	518.4	424.9	350.1
50°	274.8	285.3	301.1	334.7	394.6	434.5	473.5	507.5	447.6	364.6	289.3
52.5°	251.7	259.9	276.2	304.8	362.8	400.9	429.0	442.2	381.4	301.1	251.2
55°	227.2	236.3	247.2	276.2	333.8	361.9	380.5	380.0	317.5	255.3	207.7
57.5°	203.6	211.8	221.3	250.3	297.1	316.1	332.0	324.3	264.9	209.1	178.2
60°	182.8	187.3	197.7	222.2	257.6	273.9	283.0	269.8	216.3	176.4	147.4
62.5°	160.1	164.6	173.2	196.4	218.1	226.8	234.5	217.7	178.7	143.8	126.1
65°	139.2	145.1	150.6	169.2	181.0	191.4	190.5	176.4	139.7	117.0	102.5
67.5°	121.1	123.4	127.9	139.2	144.7	152.4	152.8	137.0	112.5	95.2	86.6
70°	101.6	103.9	107.0	112.5	116.1	117.9	117.0	102.9	84.8	74.4	66.7
72.5°	84.8	84.4	86.6	86.6	90.2	89.8	87.1	76.2	64.4	55.8	51.2
75°	66.7	67.1	67.6	66.7	65.3	63.5	61.2	53.1	45.4	41.3	37.2
77.5°	52.2	51.2	51.7	48.5	46.7	44.9	41.7	37.6	31.3	30.4	28.6
80°	37.2	36.7	36.3	34.9	30.8	29.0	26.8	24.5	23.1	22.2	21.8
82.5°	24.9	24.9	24.0	21.3	19.0	17.7	17.2	16.3	15.0	15.0	14.5
85°	15.0	14.5	13.6	10.9	9.5	9.5	9.5	9.5	8.6	8.6	8.2
87.5°	5.9	5.4	4.1	4.1	3.6	3.6	3.6	3.2	3.2	2.7	2.7
90°	1.0	3.2	5.4	7.6	9.8	10.9	12.3	15.2	18.0	20.9	23.7
92.5°	22.7	21.4	20.1	18.8	17.5	16.8	17.8	19.8	21.7	23.7	25.7
95°	60.3	51.3	42.3	33.3	24.3	19.8	21.0	23.4	25.8	28.2	30.6
97.5°	109.7	103.5	97.4	91.2	85.1	82.0	76.4	65.2	54.0	42.8	31.6
100°	167.0	171.4	175.8	180.1	184.5	186.7	169.6	135.3	101.1	66.8	32.6
102.5°	232.2	235.0	237.9	240.7	243.6	245.0	225.9	187.7	149.5	111.3	73.1
105°	294.4	296.8	299.2	301.7	304.1	305.3	295.4	275.7	255.9	236.2	216.4
107.5°	360.6	362.6	364.6	366.5	368.5	369.5	371.1	374.4	377.7	381.0	384.3
110°	426.8	428.6	430.3	432.1	433.8	434.7	435.9	438.3	440.8	443.2	445.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	490.1	491.6	493.2	494.7	496.2	497.0	498.2	500.6	503.1	505.5	507.9
115°	552.3	553.6	554.9	556.2	557.5	558.2	559.2	561.2	563.1	565.1	567.1
117.5°	613.6	615.1	616.7	618.2	619.7	620.5	621.0	622.1	623.2	624.3	625.4
120°	669.9	671.9	673.9	675.8	677.8	678.8	679.1	679.8	680.5	681.1	681.8
122.5°	727.2	728.7	730.3	731.8	733.3	734.1	734.5	735.4	736.3	737.2	738.1
125°	778.6	780.4	782.1	783.9	785.6	786.5	786.9	787.8	788.7	789.5	790.4
127.5°	830.0	831.8	833.5	835.3	837.0	837.9	838.4	839.5	840.6	841.7	842.8
130°	877.4	879.2	880.9	882.7	884.4	885.3	885.7	886.6	887.5	888.3	889.2
132.5°	922.8	924.6	926.3	928.1	929.8	930.7	931.0	931.7	932.4	933.0	933.7
135°	969.3	970.6	971.9	973.2	974.5	975.2	975.6	976.5	977.4	978.3	979.2
137.5°	1008.8	1010.6	1012.3	1014.1	1015.8	1016.7	1016.9	1017.4	1017.8	1018.3	1018.7
140°	1048.3	1049.6	1050.9	1052.2	1053.5	1054.2	1054.5	1055.2	1055.9	1056.5	1057.2
142.5°	1084.9	1086.2	1087.5	1088.8	1090.1	1090.8	1091.1	1091.8	1092.5	1093.1	1093.8
145°	1118.5	1120.0	1121.6	1123.1	1124.6	1125.4	1125.6	1126.1	1126.5	1127.0	1127.4
147.5°	1151.1	1152.2	1153.3	1154.4	1155.5	1156.0	1156.2	1156.7	1157.1	1157.6	1158.0
150°	1180.7	1181.4	1182.0	1182.7	1183.4	1183.7	1183.9	1184.4	1184.8	1185.3	1185.7
152.5°	1207.4	1207.6	1207.8	1208.1	1208.3	1208.4	1208.5	1208.7	1209.0	1209.2	1209.4
155°	1232.1	1231.7	1231.2	1230.8	1230.3	1230.1	1230.2	1230.4	1230.7	1230.9	1231.1
157.5°	1251.9	1251.9	1251.9	1251.9	1251.9	1251.9	1251.8	1251.6	1251.3	1251.1	1250.9
160°	1269.6	1269.4	1269.2	1269.0	1268.8	1268.7	1268.6	1268.4	1268.1	1267.9	1267.7
162.5°	1286.4	1285.8	1285.1	1284.5	1283.8	1283.5	1283.4	1283.2	1282.9	1282.7	1282.5
165°	1299.3	1298.6	1298.0	1297.3	1296.6	1296.3	1296.2	1296.0	1295.7	1295.5	1295.3
167.5°	1310.1	1309.2	1308.4	1307.5	1306.6	1306.2	1306.2	1306.2	1306.2	1306.2	1306.2
170°	1319.0	1318.1	1317.3	1316.4	1315.5	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1
172.5°	1325.0	1323.9	1322.8	1321.7	1320.6	1320.0	1320.1	1320.3	1320.6	1320.8	1321.0
175°	1329.9	1328.8	1327.7	1326.6	1325.5	1325.0	1325.1	1325.3	1325.6	1325.8	1326.0
177.5°	1331.9	1330.8	1329.7	1328.6	1327.5	1326.9	1327.0	1327.2	1327.5	1327.7	1327.9
180°	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7
2.5°	559.2	559.2	563.3	567.3	565.1	566.4	571.4	569.6	573.2	572.8	574.2
5°	601.4	606.4	610.4	619.0	620.4	619.0	627.7	629.9	634.0	629.0	631.3
7.5°	649.0	659.4	669.4	682.1	686.2	687.1	691.6	698.0	703.4	693.4	698.4
10°	695.2	711.1	731.5	742.9	752.8	756.5	760.1	764.2	770.5	776.4	771.9
12.5°	745.1	768.3	787.8	808.2	820.4	819.1	829.5	832.2	837.2	838.6	840.4
15°	785.9	818.6	830.8	861.2	863.9	873.0	884.8	895.2	896.6	893.9	893.9
17.5°	824.9	853.1	874.8	899.3	904.3	912.0	927.0	932.0	933.8	933.3	933.3
20°	856.7	875.3	912.0	932.4	940.6	950.6	961.0	967.4	968.7	970.5	967.8
22.5°	877.6	905.7	935.6	952.4	959.2	962.8	969.6	971.4	969.2	969.6	970.1
25°	893.9	921.5	939.7	944.2	943.8	939.2	934.2	925.6	924.7	921.1	913.8
27.5°	898.4	908.8	906.6	888.0	869.4	867.6	837.6	821.3	802.7	805.4	795.0
30°	873.9	860.3	828.1	781.0	761.5	729.7	696.1	661.2	647.6	632.7	660.3
32.5°	814.1	765.5	708.4	647.2	614.5	586.4	550.6	525.2	510.7	498.4	522.0
35°	723.8	648.1	572.3	514.3	487.5	462.1	428.6	415.9	397.7	399.5	401.8
37.5°	607.7	524.3	467.1	410.0	392.3	381.9	357.4	337.9	331.5	329.7	329.7
40°	498.9	430.4	379.6	334.7	321.1	312.5	293.0	283.9	277.1	275.3	277.6
42.5°	412.7	354.2	314.7	284.8	275.3	264.4	256.2	244.9	243.5	240.4	244.4
45°	346.5	295.7	266.2	244.4	236.3	232.2	223.1	216.3	213.6	213.2	216.3
47.5°	293.9	254.4	228.6	215.0	208.6	204.5	196.8	194.1	191.4	192.3	190.9
50°	246.7	217.2	200.5	188.2	184.1	180.0	175.1	172.3	171.0	171.0	170.5
52.5°	211.8	187.3	176.4	165.1	163.3	161.0	155.6	153.7	151.5	151.0	152.8
55°	181.4	164.6	153.7	146.9	145.1	140.6	138.3	136.1	134.7	133.8	134.2
57.5°	155.1	142.4	135.1	129.3	126.1	124.3	120.2	119.7	118.8	118.8	118.4
60°	133.3	124.3	115.6	112.0	109.8	107.5	107.0	104.3	102.9	103.9	103.4
62.5°	112.9	105.7	100.7	96.6	95.2	93.4	92.1	91.2	89.8	90.2	90.2
65°	94.3	88.4	84.8	81.2	80.7	78.9	78.5	77.6	77.6	77.1	78.0
67.5°	77.6	73.5	70.3	68.0	66.7	67.1	65.3	63.9	63.9	63.5	64.9
70°	61.7	59.4	56.2	53.5	51.7	51.7	49.4	49.0	49.0	49.0	48.5
72.5°	47.6	43.5	42.2	41.3	41.3	41.3	40.4	40.4	39.9	40.4	39.9
75°	35.4	34.9	34.0	33.6	33.6	33.1	32.7	32.7	32.7	32.7	32.7
77.5°	27.7	27.7	26.8	26.3	26.3	26.3	25.9	25.9	25.4	25.4	25.4
80°	20.4	20.4	19.5	19.5	19.5	19.0	19.0	19.0	19.5	19.0	19.0
82.5°	14.1	14.1	13.6	14.1	13.6	13.2	13.2	13.2	12.7	13.2	13.2
85°	8.2	8.2	7.7	7.3	7.7	7.7	7.3	7.7	7.3	7.7	7.3
87.5°	3.2	2.7	2.7	2.7	2.3	2.7	2.3	2.3	2.7	2.3	2.7
90°	24.6	25.5	26.4	27.3	27.7	27.9	28.3	28.8	29.2	29.6	29.2
92.5°	27.2	28.8	30.3	31.8	32.6	32.7	32.9	33.2	33.4	33.6	33.4
95°	32.1	33.7	35.2	36.7	37.5	37.5	37.5	37.5	37.5	37.5	37.5
97.5°	33.4	35.1	36.9	38.6	39.5	39.6	39.8	40.1	40.3	40.5	40.3
100°	34.4	36.1	37.9	39.6	40.5	40.6	40.8	41.1	41.3	41.5	41.3
102.5°	65.9	58.6	51.4	44.1	40.5	40.7	41.2	41.6	42.1	42.5	42.1
105°	177.5	138.7	99.8	60.9	41.5	41.7	42.2	42.6	43.1	43.5	43.1
107.5°	350.5	316.7	282.9	249.1	232.2	217.8	189.1	160.3	131.6	102.8	131.6
110°	438.4	431.1	423.9	416.6	413.0	397.3	365.9	334.5	303.1	271.7	303.1

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	509.9	511.8	513.8	515.7	516.7	516.5	516.1	515.6	515.2	514.8	515.2
115°	569.3	571.5	573.7	575.9	577.0	577.4	578.3	579.2	580.1	581.0	580.1
117.5°	627.2	628.9	630.7	632.4	633.3	633.4	633.6	633.9	634.1	634.3	634.1
120°	683.6	685.3	687.1	688.8	689.7	689.7	689.7	689.7	689.7	689.7	689.7
122.5°	739.2	740.3	741.4	742.5	743.0	743.1	743.3	743.6	743.8	744.0	743.8
125°	790.8	791.3	791.7	792.2	792.4	792.6	793.1	793.5	794.0	794.4	794.0
127.5°	843.5	844.1	844.8	845.5	845.8	845.6	845.1	844.7	844.2	843.8	844.2
130°	890.1	891.0	891.9	892.8	893.2	893.0	892.5	892.1	891.6	891.2	891.6
132.5°	934.6	935.5	936.4	937.3	937.7	937.4	936.7	936.0	935.4	934.7	935.4
135°	979.8	980.5	981.1	981.8	982.1	981.8	981.1	980.5	979.8	979.2	979.8
137.5°	1019.8	1020.9	1022.0	1023.1	1023.6	1023.4	1022.9	1022.5	1022.0	1021.6	1022.0
140°	1058.1	1059.0	1059.9	1060.8	1061.2	1061.0	1060.5	1060.1	1059.6	1059.2	1059.6
142.5°	1094.4	1095.1	1095.7	1096.4	1096.7	1096.4	1095.7	1095.1	1094.4	1093.8	1094.4
145°	1127.8	1128.2	1128.7	1129.1	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3
147.5°	1158.4	1158.9	1159.3	1159.8	1160.0	1159.4	1158.3	1157.2	1156.1	1155.0	1156.1
150°	1186.1	1186.5	1187.0	1187.4	1187.6	1187.3	1186.6	1186.0	1185.3	1184.7	1185.3
152.5°	1210.3	1211.1	1212.0	1212.9	1213.3	1212.8	1211.7	1210.6	1209.5	1208.4	1209.5
155°	1232.2	1233.3	1234.4	1235.5	1236.0	1235.3	1234.0	1232.7	1231.4	1230.1	1231.4
157.5°	1252.2	1253.5	1254.8	1256.1	1256.8	1255.9	1254.2	1252.4	1250.7	1248.9	1250.7
160°	1269.0	1270.3	1271.6	1272.9	1273.6	1272.8	1271.3	1269.8	1268.2	1266.7	1268.2
162.5°	1284.0	1285.6	1287.1	1288.6	1289.4	1288.7	1287.4	1286.1	1284.8	1283.5	1284.8
165°	1297.1	1298.8	1300.6	1302.3	1303.2	1302.4	1300.9	1299.4	1297.8	1296.3	1297.8
167.5°	1308.0	1309.7	1311.5	1313.2	1314.1	1313.2	1311.5	1309.7	1308.0	1306.2	1308.0
170°	1316.9	1318.6	1320.4	1322.1	1323.0	1322.1	1320.4	1318.6	1316.9	1315.1	1316.9
172.5°	1322.8	1324.5	1326.3	1328.0	1328.9	1327.9	1325.9	1324.0	1322.0	1320.0	1322.0
175°	1327.5	1329.1	1330.6	1332.1	1332.9	1332.0	1330.3	1328.5	1326.8	1325.0	1326.8
177.5°	1329.7	1331.4	1333.2	1334.9	1335.8	1334.7	1332.5	1330.4	1328.2	1326.0	1328.2
180°	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7
2.5°	571.9	569.2	567.3	566.0	564.6	568.7	563.3	557.4	553.3	550.6	549.7
5°	631.7	625.9	620.9	616.8	617.7	617.7	608.2	597.7	588.7	583.7	578.2
7.5°	701.1	694.8	684.8	682.5	680.7	669.4	659.9	640.8	629.5	618.1	608.2
10°	770.1	761.9	752.4	749.2	744.7	730.6	716.1	691.6	677.6	656.7	643.5
12.5°	834.5	824.5	815.0	812.7	805.9	793.7	768.7	743.3	719.3	697.1	673.9
15°	888.4	885.7	871.2	862.1	847.2	830.4	824.9	790.5	760.1	737.0	695.2
17.5°	933.8	921.1	907.5	901.6	895.7	876.2	856.7	821.3	788.7	754.7	727.9
20°	970.1	956.0	946.5	937.9	935.2	912.9	882.1	850.8	815.0	776.9	742.0
22.5°	971.9	970.1	963.7	958.7	953.3	938.8	914.3	875.3	837.2	795.5	749.7
25°	934.2	931.5	949.7	945.1	948.8	943.3	930.2	897.5	853.1	804.1	757.8
27.5°	820.9	848.5	877.1	887.1	893.9	913.4	919.7	901.6	865.8	813.6	761.9
30°	666.7	703.4	749.7	774.6	793.7	829.9	877.1	883.0	866.2	824.5	761.0
32.5°	523.4	556.9	594.1	623.6	649.0	723.4	786.9	832.7	840.8	819.1	763.3
35°	421.8	436.3	471.7	499.8	534.2	597.7	672.6	746.5	796.4	799.1	756.5
37.5°	347.8	355.6	386.4	402.3	422.7	478.5	548.3	644.9	722.5	759.2	737.4
40°	288.0	305.7	323.4	332.4	346.9	385.5	452.6	528.3	624.5	692.5	707.9
42.5°	249.9	257.6	268.9	281.6	290.7	324.3	369.2	438.6	525.2	620.0	662.6
45°	220.4	223.1	234.9	243.1	252.6	276.2	307.9	366.0	442.2	535.6	608.2
47.5°	195.9	201.4	207.7	212.7	219.0	237.2	264.4	306.6	373.7	457.1	535.1
50°	174.2	177.3	185.5	187.8	192.3	205.0	225.9	258.1	313.4	380.0	460.8
52.5°	153.7	159.6	162.8	166.0	170.1	180.5	194.1	220.4	262.1	324.7	393.2
55°	137.9	139.7	144.2	146.9	150.1	157.4	169.2	188.7	221.3	271.2	336.1
57.5°	122.4	122.4	127.0	129.3	132.4	137.9	148.3	163.3	186.8	224.0	283.4
60°	106.1	106.6	110.2	112.9	113.8	119.3	127.9	139.7	157.8	185.0	233.6
62.5°	91.6	93.9	95.7	96.6	99.8	102.9	110.2	118.4	131.1	155.1	189.6
65°	79.4	79.8	81.2	82.1	83.4	87.1	92.5	98.0	108.8	126.5	154.6
67.5°	65.3	67.1	68.9	68.9	70.3	72.1	77.6	82.1	90.2	100.7	119.7
70°	49.0	49.9	52.6	54.0	55.8	59.0	61.7	64.4	70.7	78.5	93.0
72.5°	40.8	40.8	41.7	42.2	42.2	44.4	48.5	51.2	54.4	59.9	69.8
75°	32.7	32.7	34.0	33.6	34.5	35.4	35.8	37.6	39.5	43.5	49.4
77.5°	25.9	26.3	26.3	26.8	26.8	27.2	27.7	28.6	29.5	31.7	34.5
80°	19.0	19.5	19.5	20.0	20.0	20.4	20.9	21.3	22.2	23.1	24.5
82.5°	13.2	13.6	13.6	14.1	13.6	14.1	14.5	14.5	15.0	15.9	16.3
85°	7.7	7.7	8.2	7.7	7.7	7.7	8.2	8.2	8.6	10.0	10.0
87.5°	2.3	2.7	2.3	2.7	2.7	2.7	2.7	3.2	3.2	3.6	4.1
90°	28.8	28.3	27.9	27.7	27.3	26.4	25.5	24.6	23.7	20.9	18.0
92.5°	33.2	32.9	32.7	32.6	31.8	30.3	28.8	27.2	25.7	23.7	21.7
95°	37.5	37.5	37.5	37.5	36.7	35.2	33.7	32.1	30.6	28.2	25.8
97.5°	40.1	39.8	39.6	39.5	38.6	36.9	35.1	33.4	31.6	42.8	54.0
100°	41.1	40.8	40.6	40.5	39.6	37.9	36.1	34.4	32.6	66.8	101.1
102.5°	41.6	41.2	40.7	40.5	44.1	51.4	58.6	65.9	73.1	111.3	149.5
105°	42.6	42.2	41.7	41.5	60.9	99.8	138.7	177.5	216.4	236.2	255.9
107.5°	160.3	189.1	217.8	232.2	249.1	282.9	316.7	350.5	384.3	381.0	377.7
110°	334.5	365.9	397.3	413.0	416.6	423.9	431.1	438.4	445.6	443.2	440.8

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	515.6	516.1	516.5	516.7	515.7	513.8	511.8	509.9	507.9	505.5	503.1
115°	579.2	578.3	577.4	577.0	575.9	573.7	571.5	569.3	567.1	565.1	563.1
117.5°	633.9	633.6	633.4	633.3	632.4	630.7	628.9	627.2	625.4	624.3	623.2
120°	689.7	689.7	689.7	689.7	688.8	687.1	685.3	683.6	681.8	681.1	680.5
122.5°	743.6	743.3	743.1	743.0	742.5	741.4	740.3	739.2	738.1	737.2	736.3
125°	793.5	793.1	792.6	792.4	792.2	791.7	791.3	790.8	790.4	789.5	788.7
127.5°	844.7	845.1	845.6	845.8	845.5	844.8	844.1	843.5	842.8	841.7	840.6
130°	892.1	892.5	893.0	893.2	892.8	891.9	891.0	890.1	889.2	888.3	887.5
132.5°	936.0	936.7	937.4	937.7	937.3	936.4	935.5	934.6	933.7	933.0	932.4
135°	980.5	981.1	981.8	982.1	981.8	981.1	980.5	979.8	979.2	978.3	977.4
137.5°	1022.5	1022.9	1023.4	1023.6	1023.1	1022.0	1020.9	1019.8	1018.7	1018.3	1017.8
140°	1060.1	1060.5	1061.0	1061.2	1060.8	1059.9	1059.0	1058.1	1057.2	1056.5	1055.9
142.5°	1095.1	1095.7	1096.4	1096.7	1096.4	1095.7	1095.1	1094.4	1093.8	1093.1	1092.5
145°	1129.3	1129.3	1129.3	1129.3	1129.1	1128.7	1128.2	1127.8	1127.4	1127.0	1126.5
147.5°	1157.2	1158.3	1159.4	1160.0	1159.8	1159.3	1158.9	1158.4	1158.0	1157.6	1157.1
150°	1186.0	1186.6	1187.3	1187.6	1187.4	1187.0	1186.5	1186.1	1185.7	1185.3	1184.8
152.5°	1210.6	1211.7	1212.8	1213.3	1212.9	1212.0	1211.1	1210.3	1209.4	1209.2	1209.0
155°	1232.7	1234.0	1235.3	1236.0	1235.5	1234.4	1233.3	1232.2	1231.1	1230.9	1230.7
157.5°	1252.4	1254.2	1255.9	1256.8	1256.1	1254.8	1253.5	1252.2	1250.9	1251.1	1251.3
160°	1269.8	1271.3	1272.8	1273.6	1272.9	1271.6	1270.3	1269.0	1267.7	1267.9	1268.1
162.5°	1286.1	1287.4	1288.7	1289.4	1288.6	1287.1	1285.6	1284.0	1282.5	1282.7	1282.9
165°	1299.4	1300.9	1302.4	1303.2	1302.3	1300.6	1298.8	1297.1	1295.3	1295.5	1295.7
167.5°	1309.7	1311.5	1313.2	1314.1	1313.2	1311.5	1309.7	1308.0	1306.2	1306.2	1306.2
170°	1318.6	1320.4	1322.1	1323.0	1322.1	1320.4	1318.6	1316.9	1315.1	1315.1	1315.1
172.5°	1324.0	1325.9	1327.9	1328.9	1328.0	1326.3	1324.5	1322.8	1321.0	1320.8	1320.6
175°	1328.5	1330.3	1332.0	1332.9	1332.1	1330.6	1329.1	1327.5	1326.0	1325.8	1325.6
177.5°	1330.4	1332.5	1334.7	1335.8	1334.9	1333.2	1331.4	1329.7	1327.9	1327.7	1327.5
180°	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9

TEST NUMBER: P1010870

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7
2.5°	548.3	546.0	543.8	543.8	538.8	534.2	532.0	532.9	530.2	526.5	522.9
5°	572.3	563.3	561.5	556.5	549.7	540.1	535.1	530.6	525.2	517.9	511.1
7.5°	594.6	582.8	576.4	571.4	558.3	545.1	534.2	527.0	517.5	506.6	498.4
10°	623.6	601.8	595.0	583.7	565.1	546.5	533.8	522.0	508.8	496.1	485.3
12.5°	646.7	621.8	609.1	597.7	573.7	550.1	528.8	514.3	498.4	484.4	470.3
15°	673.0	644.9	622.7	609.1	578.7	550.1	526.1	505.7	488.0	470.7	458.5
17.5°	685.7	650.3	640.4	620.9	576.9	548.3	518.8	497.1	475.7	455.8	441.3
20°	705.7	664.4	639.5	626.3	587.3	545.1	510.7	485.7	463.5	442.2	426.8
22.5°	707.0	662.1	645.8	620.9	572.8	535.6	503.4	473.0	447.2	427.2	411.3
25°	703.9	658.1	635.4	615.4	575.5	530.2	488.9	459.0	433.6	410.4	391.8
27.5°	702.5	646.3	624.9	605.0	560.1	514.3	480.3	446.3	417.2	396.8	377.8
30°	700.7	633.6	607.7	584.6	543.3	502.0	461.2	431.7	404.1	378.2	359.2
32.5°	688.9	616.3	590.0	565.5	521.1	479.8	447.6	416.3	386.4	362.4	345.1
35°	685.3	600.5	566.0	539.7	496.1	459.4	425.4	399.5	371.4	347.4	327.0
37.5°	674.8	584.1	546.9	513.4	468.0	433.1	408.2	382.3	355.1	329.3	312.9
40°	656.7	565.1	522.9	488.4	441.7	406.4	383.2	364.2	337.4	314.3	294.3
42.5°	629.9	545.6	500.2	463.9	412.2	379.1	360.1	342.0	319.3	295.2	278.9
45°	599.1	519.7	477.6	437.2	384.6	352.4	332.4	321.5	300.7	280.3	261.2
47.5°	556.9	493.0	451.2	409.5	356.0	324.7	308.8	298.0	283.4	261.2	245.8
50°	503.9	458.5	419.0	381.9	327.9	298.0	282.1	273.9	261.7	245.8	230.8
52.5°	444.9	418.6	385.9	351.5	299.3	271.2	256.7	250.3	241.3	226.3	213.6
55°	385.5	374.2	351.9	317.9	269.4	246.3	233.6	225.4	218.6	207.7	196.8
57.5°	332.4	327.0	311.6	285.3	244.4	220.4	209.5	204.1	198.6	190.5	179.6
60°	277.6	283.4	267.6	254.4	217.2	196.4	186.8	181.0	178.2	171.0	164.2
62.5°	229.9	235.4	226.3	216.3	190.0	171.4	165.5	160.1	158.3	151.9	145.1
65°	186.8	193.7	186.8	181.4	165.5	150.1	142.9	140.1	138.3	134.2	128.8
67.5°	148.8	155.6	152.4	145.6	140.6	127.9	123.8	121.1	120.2	117.0	112.5
70°	112.0	121.5	122.4	118.4	113.8	107.9	105.2	104.3	102.0	99.3	96.6
72.5°	80.7	91.6	92.1	92.1	89.3	89.3	86.6	85.3	85.3	82.5	79.4
75°	59.4	66.7	67.6	68.5	69.8	71.2	69.4	69.4	68.9	66.2	64.9
77.5°	39.5	45.8	48.1	51.2	53.1	53.1	54.0	54.9	54.0	52.6	51.7
80°	25.4	29.9	32.7	34.5	37.2	38.5	39.9	40.4	39.5	39.0	37.6
82.5°	16.8	18.1	19.5	21.8	24.9	27.2	27.2	26.8	27.7	27.2	26.8
85°	9.5	10.4	10.9	11.3	13.2	15.4	15.9	16.3	17.2	16.3	15.4
87.5°	3.6	4.1	4.1	4.1	5.0	5.4	6.8	8.6	8.2	7.3	7.3
90°	15.2	12.3	10.9	9.8	7.6	5.4	3.2	1.0	3.2	5.4	7.6
92.5°	19.8	17.8	16.8	17.5	18.8	20.1	21.4	22.7	21.4	20.1	18.8
95°	23.4	21.0	19.8	24.3	33.3	42.3	51.3	60.3	51.3	42.3	33.3
97.5°	65.2	76.4	82.0	85.1	91.2	97.4	103.5	109.7	103.5	97.4	91.2
100°	135.3	169.6	186.7	184.5	180.1	175.8	171.4	167.0	171.4	175.8	180.1
102.5°	187.7	225.9	245.0	243.6	240.7	237.9	235.0	232.2	235.0	237.9	240.7
105°	275.7	295.4	305.3	304.1	301.7	299.2	296.8	294.4	296.8	299.2	301.7
107.5°	374.4	371.1	369.5	368.5	366.5	364.6	362.6	360.6	362.6	364.6	366.5
110°	438.3	435.9	434.7	433.8	432.1	430.3	428.6	426.8	428.6	430.3	432.1

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	500.6	498.2	497.0	496.2	494.7	493.2	491.6	490.1	491.6	493.2	494.7
115°	561.2	559.2	558.2	557.5	556.2	554.9	553.6	552.3	553.6	554.9	556.2
117.5°	622.1	621.0	620.5	619.7	618.2	616.7	615.1	613.6	615.1	616.7	618.2
120°	679.8	679.1	678.8	677.8	675.8	673.9	671.9	669.9	671.9	673.9	675.8
122.5°	735.4	734.5	734.1	733.3	731.8	730.3	728.7	727.2	728.7	730.3	731.8
125°	787.8	786.9	786.5	785.6	783.9	782.1	780.4	778.6	780.4	782.1	783.9
127.5°	839.5	838.4	837.9	837.0	835.3	833.5	831.8	830.0	831.8	833.5	835.3
130°	886.6	885.7	885.3	884.4	882.7	880.9	879.2	877.4	879.2	880.9	882.7
132.5°	931.7	931.0	930.7	929.8	928.1	926.3	924.6	922.8	924.6	926.3	928.1
135°	976.5	975.6	975.2	974.5	973.2	971.9	970.6	969.3	970.6	971.9	973.2
137.5°	1017.4	1016.9	1016.7	1015.8	1014.1	1012.3	1010.6	1008.8	1010.6	1012.3	1014.1
140°	1055.2	1054.5	1054.2	1053.5	1052.2	1050.9	1049.6	1048.3	1049.6	1050.9	1052.2
142.5°	1091.8	1091.1	1090.8	1090.1	1088.8	1087.5	1086.2	1084.9	1086.2	1087.5	1088.8
145°	1126.1	1125.6	1125.4	1124.6	1123.1	1121.6	1120.0	1118.5	1120.0	1121.6	1123.1
147.5°	1156.7	1156.2	1156.0	1155.5	1154.4	1153.3	1152.2	1151.1	1152.2	1153.3	1154.4
150°	1184.4	1183.9	1183.7	1183.4	1182.7	1182.0	1181.4	1180.7	1181.4	1182.0	1182.7
152.5°	1208.7	1208.5	1208.4	1208.3	1208.1	1207.8	1207.6	1207.4	1207.6	1207.8	1208.1
155°	1230.4	1230.2	1230.1	1230.3	1230.8	1231.2	1231.7	1232.1	1231.7	1231.2	1230.8
157.5°	1251.6	1251.8	1251.9	1251.9	1251.9	1251.9	1251.9	1251.9	1251.9	1251.9	1251.9
160°	1268.4	1268.6	1268.7	1268.8	1269.0	1269.2	1269.4	1269.6	1269.4	1269.2	1269.0
162.5°	1283.2	1283.4	1283.5	1283.8	1284.5	1285.1	1285.8	1286.4	1285.8	1285.1	1284.5
165°	1296.0	1296.2	1296.3	1296.6	1297.3	1298.0	1298.6	1299.3	1298.6	1298.0	1297.3
167.5°	1306.2	1306.2	1306.2	1306.6	1307.5	1308.4	1309.2	1310.1	1309.2	1308.4	1307.5
170°	1315.1	1315.1	1315.1	1315.5	1316.4	1317.3	1318.1	1319.0	1318.1	1317.3	1316.4
172.5°	1320.3	1320.1	1320.0	1320.6	1321.7	1322.8	1323.9	1325.0	1323.9	1322.8	1321.7
175°	1325.3	1325.1	1325.0	1325.5	1326.6	1327.7	1328.8	1329.9	1328.8	1327.7	1326.6
177.5°	1327.2	1327.0	1326.9	1327.5	1328.6	1329.7	1330.8	1331.9	1330.8	1329.7	1328.6
180°	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9

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CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7
2.5°	522.9	520.6	519.7	517.5	512.0	508.4	504.3	501.6	502.0	499.8	501.1
5°	506.6	506.1	502.9	498.4	490.7	486.6	479.4	475.7	473.9	474.4	471.7
7.5°	493.0	488.9	486.6	479.4	472.1	463.5	457.6	454.4	451.7	449.0	447.2
10°	477.6	473.9	470.3	462.6	452.6	444.4	436.3	433.1	429.0	427.2	425.9
12.5°	461.2	459.0	454.4	445.4	434.0	426.3	416.8	415.0	409.5	405.9	405.0
15°	446.3	444.9	436.7	426.3	415.0	407.3	399.1	393.7	384.6	386.4	383.2
17.5°	430.4	424.5	419.5	405.4	400.0	388.2	378.7	376.0	369.6	365.5	361.5
20°	412.7	409.1	402.7	393.7	380.5	366.9	359.6	355.1	351.5	345.1	343.3
22.5°	395.9	391.4	385.9	374.2	362.8	351.5	341.5	337.4	332.9	328.3	325.6
25°	382.8	376.0	370.1	355.6	344.2	334.7	328.3	321.5	315.2	312.5	311.6
27.5°	362.4	358.3	352.4	338.8	328.3	317.9	312.0	307.5	300.7	297.5	294.8
30°	349.2	341.0	334.2	323.4	312.9	301.6	296.1	290.7	286.6	282.5	279.4
32.5°	331.5	325.2	319.7	308.8	298.4	288.0	282.1	273.9	271.7	268.5	264.9
35°	314.3	310.2	304.3	292.5	281.2	273.9	267.6	259.9	257.1	254.9	251.7
37.5°	298.0	292.1	288.0	276.6	266.7	258.1	253.1	246.7	244.9	242.2	239.9
40°	283.9	278.0	273.9	262.6	252.2	243.1	239.9	233.6	230.8	227.7	226.3
42.5°	268.0	263.0	257.6	249.4	238.5	229.5	223.1	219.5	215.9	214.5	211.8
45°	251.2	246.7	242.6	233.6	222.2	215.9	210.4	205.4	202.7	200.5	198.6
47.5°	236.7	232.7	227.2	217.2	208.2	202.3	196.8	191.8	189.1	186.4	184.1
50°	220.0	217.7	211.8	202.3	193.7	186.8	181.9	177.3	175.5	172.3	168.7
52.5°	205.0	200.9	195.9	188.2	180.5	172.3	165.5	162.8	159.6	157.8	154.6
55°	187.3	184.6	179.1	172.3	164.2	157.4	152.4	148.8	144.7	142.9	138.8
57.5°	172.3	167.3	164.6	156.0	148.3	141.5	137.9	134.2	129.7	127.0	125.2
60°	156.0	151.5	147.4	140.1	134.7	127.4	122.0	118.8	115.6	112.0	110.2
62.5°	140.1	136.5	131.5	125.6	118.8	112.9	108.8	104.3	102.5	98.9	97.5
65°	122.9	120.2	116.1	109.3	103.9	98.9	94.8	91.2	89.3	88.0	87.1
67.5°	107.5	103.9	101.1	95.2	89.3	85.3	83.0	80.7	78.5	77.1	75.7
70°	91.6	88.9	86.2	80.7	76.6	73.0	71.2	69.4	68.0	66.7	65.3
72.5°	75.3	73.9	71.2	67.6	64.4	61.7	60.3	58.1	56.7	54.4	53.5
75°	62.1	59.9	58.5	55.3	52.6	50.3	48.5	45.8	44.0	43.1	42.6
77.5°	49.0	48.1	46.3	43.5	42.2	39.9	37.2	36.3	35.4	35.4	34.9
80°	36.7	35.4	34.0	31.7	30.4	28.6	28.6	28.6	28.1	28.6	28.1
82.5°	24.9	24.0	23.1	21.8	21.3	21.3	21.8	21.8	21.8	21.8	21.8
85°	14.5	14.5	14.5	15.0	14.5	14.5	15.0	15.4	15.0	15.0	14.5
87.5°	6.8	6.8	7.3	7.3	7.7	7.7	7.7	7.7	7.7	7.7	8.2
90°	9.8	10.9	12.3	15.2	18.0	20.9	23.7	24.6	25.5	26.4	27.3
92.5°	17.5	16.8	17.8	19.8	21.7	23.7	25.7	27.2	28.8	30.3	31.8
95°	24.3	19.8	21.0	23.4	25.8	28.2	30.6	32.1	33.7	35.2	36.7
97.5°	85.1	82.0	76.4	65.2	54.0	42.8	31.6	33.4	35.1	36.9	38.6
100°	184.5	186.7	169.6	135.3	101.1	66.8	32.6	34.4	36.1	37.9	39.6
102.5°	243.6	245.0	225.9	187.7	149.5	111.3	73.1	65.9	58.6	51.4	44.1
105°	304.1	305.3	295.4	275.7	255.9	236.2	216.4	177.5	138.7	99.8	60.9
107.5°	368.5	369.5	371.1	374.4	377.7	381.0	384.3	350.5	316.7	282.9	249.1
110°	433.8	434.7	435.9	438.3	440.8	443.2	445.6	438.4	431.1	423.9	416.6

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	496.2	497.0	498.2	500.6	503.1	505.5	507.9	509.9	511.8	513.8	515.7
115°	557.5	558.2	559.2	561.2	563.1	565.1	567.1	569.3	571.5	573.7	575.9
117.5°	619.7	620.5	621.0	622.1	623.2	624.3	625.4	627.2	628.9	630.7	632.4
120°	677.8	678.8	679.1	679.8	680.5	681.1	681.8	683.6	685.3	687.1	688.8
122.5°	733.3	734.1	734.5	735.4	736.3	737.2	738.1	739.2	740.3	741.4	742.5
125°	785.6	786.5	786.9	787.8	788.7	789.5	790.4	790.8	791.3	791.7	792.2
127.5°	837.0	837.9	838.4	839.5	840.6	841.7	842.8	843.5	844.1	844.8	845.5
130°	884.4	885.3	885.7	886.6	887.5	888.3	889.2	890.1	891.0	891.9	892.8
132.5°	929.8	930.7	931.0	931.7	932.4	933.0	933.7	934.6	935.5	936.4	937.3
135°	974.5	975.2	975.6	976.5	977.4	978.3	979.2	979.8	980.5	981.1	981.8
137.5°	1015.8	1016.7	1016.9	1017.4	1017.8	1018.3	1018.7	1019.8	1020.9	1022.0	1023.1
140°	1053.5	1054.2	1054.5	1055.2	1055.9	1056.5	1057.2	1058.1	1059.0	1059.9	1060.8
142.5°	1090.1	1090.8	1091.1	1091.8	1092.5	1093.1	1093.8	1094.4	1095.1	1095.7	1096.4
145°	1124.6	1125.4	1125.6	1126.1	1126.5	1127.0	1127.4	1127.8	1128.2	1128.7	1129.1
147.5°	1155.5	1156.0	1156.2	1156.7	1157.1	1157.6	1158.0	1158.4	1158.9	1159.3	1159.8
150°	1183.4	1183.7	1183.9	1184.4	1184.8	1185.3	1185.7	1186.1	1186.5	1187.0	1187.4
152.5°	1208.3	1208.4	1208.5	1208.7	1209.0	1209.2	1209.4	1210.3	1211.1	1212.0	1212.9
155°	1230.3	1230.1	1230.2	1230.4	1230.7	1230.9	1231.1	1232.2	1233.3	1234.4	1235.5
157.5°	1251.9	1251.9	1251.8	1251.6	1251.3	1251.1	1250.9	1252.2	1253.5	1254.8	1256.1
160°	1268.8	1268.7	1268.6	1268.4	1268.1	1267.9	1267.7	1269.0	1270.3	1271.6	1272.9
162.5°	1283.8	1283.5	1283.4	1283.2	1282.9	1282.7	1282.5	1284.0	1285.6	1287.1	1288.6
165°	1296.6	1296.3	1296.2	1296.0	1295.7	1295.5	1295.3	1297.1	1298.8	1300.6	1302.3
167.5°	1306.6	1306.2	1306.2	1306.2	1306.2	1306.2	1306.2	1308.0	1309.7	1311.5	1313.2
170°	1315.5	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1316.9	1318.6	1320.4	1322.1
172.5°	1320.6	1320.0	1320.1	1320.3	1320.6	1320.8	1321.0	1322.8	1324.5	1326.3	1328.0
175°	1325.5	1325.0	1325.1	1325.3	1325.6	1325.8	1326.0	1327.5	1329.1	1330.6	1332.1
177.5°	1327.5	1326.9	1327.0	1327.2	1327.5	1327.7	1327.9	1329.7	1331.4	1333.2	1334.9
180°	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7
2.5°	500.7	501.1	499.8	497.1	496.6	497.5	500.2	499.3	497.1	501.1	497.5
5°	473.0	470.7	469.8	470.7	468.0	466.7	469.4	468.0	469.4	469.8	471.2
7.5°	446.3	446.7	444.0	444.4	440.8	441.7	441.7	441.7	443.1	444.0	445.8
10°	423.1	424.0	420.9	421.3	418.6	416.8	418.1	420.9	420.9	420.9	421.8
12.5°	404.5	400.5	398.2	397.7	394.6	393.7	396.4	397.3	399.5	399.5	400.9
15°	381.4	380.5	378.7	378.7	371.0	372.8	373.7	376.9	381.4	377.8	378.7
17.5°	360.5	358.3	356.0	355.1	354.2	351.5	355.1	354.6	357.4	357.8	359.2
20°	342.0	340.1	335.6	336.1	337.0	332.9	335.1	335.1	337.9	340.6	343.8
22.5°	323.8	322.0	319.7	320.6	317.9	317.0	317.0	319.3	322.5	324.7	324.3
25°	309.8	306.6	305.2	303.9	302.5	303.4	302.0	304.3	306.6	307.9	306.6
27.5°	293.9	292.5	289.8	288.4	286.2	287.1	288.0	289.8	291.2	291.2	292.5
30°	278.5	276.6	275.7	274.4	274.4	272.6	273.0	274.8	276.2	277.6	279.4
32.5°	263.5	262.1	260.8	260.8	259.9	259.4	259.0	261.7	261.7	264.4	264.4
35°	251.2	249.0	249.0	246.7	247.6	247.2	246.3	248.1	248.5	250.3	249.9
37.5°	237.6	237.6	236.7	234.5	232.7	233.1	235.4	235.4	236.7	236.3	237.6
40°	224.0	223.1	223.1	221.8	221.3	220.9	221.3	221.8	224.0	223.6	224.0
42.5°	210.4	210.9	208.6	208.6	208.6	207.3	207.7	208.2	209.1	210.0	211.3
45°	197.3	196.4	195.9	195.0	194.1	194.6	194.1	195.9	195.5	196.4	197.7
47.5°	183.2	181.9	181.4	179.6	179.6	180.5	180.0	181.4	181.9	183.2	182.3
50°	169.6	167.8	166.4	166.9	164.2	165.1	165.1	166.4	167.8	168.3	169.2
52.5°	153.7	153.3	152.8	150.6	150.1	149.7	150.1	150.6	152.4	153.7	154.2
55°	138.3	137.9	135.1	134.2	132.9	132.9	133.8	134.2	137.4	137.9	139.7
57.5°	124.3	122.9	119.7	119.3	119.3	119.3	117.9	119.7	120.6	122.9	122.9
60°	108.8	108.8	106.1	106.1	106.6	106.1	106.1	106.6	106.6	108.4	109.3
62.5°	96.6	96.1	96.1	95.2	94.8	95.2	94.8	94.8	95.2	96.6	98.0
65°	85.7	85.3	84.8	84.4	83.4	83.4	83.9	84.8	84.8	85.7	86.2
67.5°	75.3	75.3	74.4	74.4	73.9	73.5	73.9	73.5	75.3	75.3	75.7
70°	64.9	64.4	63.0	62.6	61.2	61.7	61.7	63.0	63.5	64.4	65.3
72.5°	52.2	52.2	51.2	50.3	50.8	49.9	49.9	50.3	50.3	51.7	52.2
75°	43.1	42.2	41.7	42.2	41.7	42.6	41.7	41.7	42.6	42.6	42.6
77.5°	35.4	35.4	34.9	34.9	35.4	34.9	35.4	35.4	35.4	34.9	35.4
80°	29.0	28.6	28.6	28.6	28.1	28.1	28.1	28.1	28.1	28.1	28.1
82.5°	21.8	21.8	21.3	21.8	21.8	21.3	21.8	21.3	21.3	21.8	21.8
85°	14.5	15.4	14.5	14.5	15.0	15.0	15.4	15.0	15.4	14.5	15.0
87.5°	7.7	8.2	8.2	7.7	7.7	8.2	8.2	8.2	8.6	7.7	8.2
90°	27.7	27.9	28.3	28.8	29.2	29.6	29.2	28.8	28.3	27.9	27.7
92.5°	32.6	32.7	32.9	33.2	33.4	33.6	33.4	33.2	32.9	32.7	32.6
95°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
97.5°	39.5	39.6	39.8	40.1	40.3	40.5	40.3	40.1	39.8	39.6	39.5
100°	40.5	40.6	40.8	41.1	41.3	41.5	41.3	41.1	40.8	40.6	40.5
102.5°	40.5	40.7	41.2	41.6	42.1	42.5	42.1	41.6	41.2	40.7	40.5
105°	41.5	41.7	42.2	42.6	43.1	43.5	43.1	42.6	42.2	41.7	41.5
107.5°	232.2	217.8	189.1	160.3	131.6	102.8	131.6	160.3	189.1	217.8	232.2
110°	413.0	397.3	365.9	334.5	303.1	271.7	303.1	334.5	365.9	397.3	413.0

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	516.7	516.5	516.1	515.6	515.2	514.8	515.2	515.6	516.1	516.5	516.7
115°	577.0	577.4	578.3	579.2	580.1	581.0	580.1	579.2	578.3	577.4	577.0
117.5°	633.3	633.4	633.6	633.9	634.1	634.3	634.1	633.9	633.6	633.4	633.3
120°	689.7	689.7	689.7	689.7	689.7	689.7	689.7	689.7	689.7	689.7	689.7
122.5°	743.0	743.1	743.3	743.6	743.8	744.0	743.8	743.6	743.3	743.1	743.0
125°	792.4	792.6	793.1	793.5	794.0	794.4	794.0	793.5	793.1	792.6	792.4
127.5°	845.8	845.6	845.1	844.7	844.2	843.8	844.2	844.7	845.1	845.6	845.8
130°	893.2	893.0	892.5	892.1	891.6	891.2	891.6	892.1	892.5	893.0	893.2
132.5°	937.7	937.4	936.7	936.0	935.4	934.7	935.4	936.0	936.7	937.4	937.7
135°	982.1	981.8	981.1	980.5	979.8	979.2	979.8	980.5	981.1	981.8	982.1
137.5°	1023.6	1023.4	1022.9	1022.5	1022.0	1021.6	1022.0	1022.5	1022.9	1023.4	1023.6
140°	1061.2	1061.0	1060.5	1060.1	1059.6	1059.2	1059.6	1060.1	1060.5	1061.0	1061.2
142.5°	1096.7	1096.4	1095.7	1095.1	1094.4	1093.8	1094.4	1095.1	1095.7	1096.4	1096.7
145°	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3	1129.3
147.5°	1160.0	1159.4	1158.3	1157.2	1156.1	1155.0	1156.1	1157.2	1158.3	1159.4	1160.0
150°	1187.6	1187.3	1186.6	1186.0	1185.3	1184.7	1185.3	1186.0	1186.6	1187.3	1187.6
152.5°	1213.3	1212.8	1211.7	1210.6	1209.5	1208.4	1209.5	1210.6	1211.7	1212.8	1213.3
155°	1236.0	1235.3	1234.0	1232.7	1231.4	1230.1	1231.4	1232.7	1234.0	1235.3	1236.0
157.5°	1256.8	1255.9	1254.2	1252.4	1250.7	1248.9	1250.7	1252.4	1254.2	1255.9	1256.8
160°	1273.6	1272.8	1271.3	1269.8	1268.2	1266.7	1268.2	1269.8	1271.3	1272.8	1273.6
162.5°	1289.4	1288.7	1287.4	1286.1	1284.8	1283.5	1284.8	1286.1	1287.4	1288.7	1289.4
165°	1303.2	1302.4	1300.9	1299.4	1297.8	1296.3	1297.8	1299.4	1300.9	1302.4	1303.2
167.5°	1314.1	1313.2	1311.5	1309.7	1308.0	1306.2	1308.0	1309.7	1311.5	1313.2	1314.1
170°	1323.0	1322.1	1320.4	1318.6	1316.9	1315.1	1316.9	1318.6	1320.4	1322.1	1323.0
172.5°	1328.9	1327.9	1325.9	1324.0	1322.0	1320.0	1322.0	1324.0	1325.9	1327.9	1328.9
175°	1332.9	1332.0	1330.3	1328.5	1326.8	1325.0	1326.8	1328.5	1330.3	1332.0	1332.9
177.5°	1335.8	1334.7	1332.5	1330.4	1328.2	1326.0	1328.2	1330.4	1332.5	1334.7	1335.8
180°	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7
2.5°	501.1	502.9	501.1	497.5	501.1	503.4	505.7	509.3	511.1	511.1	513.8
5°	472.6	476.2	474.8	473.9	477.6	479.8	483.4	488.0	493.0	496.1	499.8
7.5°	447.2	449.4	451.7	451.7	455.3	460.3	465.8	471.2	477.6	482.1	484.8
10°	424.9	426.8	428.1	429.9	435.4	440.8	448.1	454.9	460.3	465.3	469.8
12.5°	403.6	406.4	409.5	410.9	415.0	421.8	428.6	436.7	445.4	450.3	454.9
15°	383.2	384.6	388.2	392.3	395.9	403.2	411.8	420.4	427.7	435.4	439.5
17.5°	362.4	362.8	372.3	370.1	381.9	388.7	393.2	401.4	413.2	419.5	425.9
20°	342.0	346.5	350.6	352.8	359.2	366.9	380.0	386.4	395.9	401.8	407.3
22.5°	326.1	332.9	332.9	338.3	341.5	348.8	358.3	370.5	381.0	385.0	392.7
25°	312.0	315.2	320.6	322.5	328.3	334.7	341.0	354.2	365.5	371.0	376.4
27.5°	293.9	298.0	305.2	305.2	312.9	319.7	327.4	336.1	347.4	355.1	361.0
30°	279.8	283.9	287.1	292.1	295.2	301.6	315.2	321.5	331.5	338.3	345.6
32.5°	266.7	269.8	272.6	278.0	281.6	288.9	296.1	307.5	316.1	322.5	330.2
35°	252.2	255.3	259.0	263.0	268.5	275.3	282.1	291.6	300.2	306.1	312.5
37.5°	238.5	240.8	246.3	249.0	253.5	259.9	268.5	278.5	286.2	290.7	297.1
40°	225.4	227.2	231.3	236.3	239.5	244.4	253.5	262.1	271.7	277.1	282.1
42.5°	211.3	213.6	217.2	222.2	227.2	232.7	237.6	247.6	256.2	260.8	266.2
45°	199.1	200.5	203.2	208.2	213.2	217.2	224.9	234.0	242.2	245.8	251.7
47.5°	184.6	185.9	190.0	192.3	197.7	203.2	210.9	220.0	227.2	230.8	236.3
50°	169.6	171.0	173.7	178.7	182.3	188.2	195.0	202.7	211.8	216.8	220.0
52.5°	155.1	157.8	160.1	164.2	168.7	174.6	181.0	188.2	195.9	200.9	204.5
55°	140.6	142.9	145.6	147.8	153.3	158.7	166.0	172.8	179.6	184.1	188.2
57.5°	124.3	127.4	130.2	134.7	138.8	143.3	151.5	156.9	165.1	168.3	171.9
60°	110.2	113.4	115.6	119.3	122.9	128.8	134.2	141.0	147.8	151.9	156.5
62.5°	98.4	99.8	101.1	104.8	108.4	113.8	119.3	126.1	133.3	135.6	139.2
65°	86.6	88.0	90.2	93.4	96.1	99.3	105.2	110.7	117.5	121.1	122.4
67.5°	76.6	78.0	78.5	80.7	83.0	86.6	89.8	95.2	101.6	103.9	106.6
70°	65.3	67.6	68.0	69.8	70.7	73.0	76.6	80.7	85.7	89.8	92.1
72.5°	52.2	55.3	56.2	59.0	60.3	62.6	65.3	68.5	71.7	73.5	75.3
75°	42.6	43.5	44.0	46.3	48.5	51.7	53.1	54.9	57.6	59.9	61.7
77.5°	35.4	35.8	36.3	36.3	36.7	38.5	41.3	43.5	45.4	46.3	47.6
80°	28.6	28.1	28.1	28.6	28.6	28.6	29.5	32.7	33.6	35.8	35.4
82.5°	22.2	21.3	21.8	21.3	21.3	21.3	21.3	21.8	21.8	23.1	24.0
85°	14.5	15.0	14.5	14.5	14.1	14.5	14.1	14.1	13.6	13.6	13.2
87.5°	7.7	8.2	7.7	7.7	7.3	7.7	7.3	7.3	6.8	6.8	5.9
90°	27.3	26.4	25.5	24.6	23.7	20.9	18.0	15.2	12.3	10.9	9.8
92.5°	31.8	30.3	28.8	27.2	25.7	23.7	21.7	19.8	17.8	16.8	17.5
95°	36.7	35.2	33.7	32.1	30.6	28.2	25.8	23.4	21.0	19.8	24.3
97.5°	38.6	36.9	35.1	33.4	31.6	42.8	54.0	65.2	76.4	82.0	85.1
100°	39.6	37.9	36.1	34.4	32.6	66.8	101.1	135.3	169.6	186.7	184.5
102.5°	44.1	51.4	58.6	65.9	73.1	111.3	149.5	187.7	225.9	245.0	243.6
105°	60.9	99.8	138.7	177.5	216.4	236.2	255.9	275.7	295.4	305.3	304.1
107.5°	249.1	282.9	316.7	350.5	384.3	381.0	377.7	374.4	371.1	369.5	368.5
110°	416.6	423.9	431.1	438.4	445.6	443.2	440.8	438.3	435.9	434.7	433.8

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	515.7	513.8	511.8	509.9	507.9	505.5	503.1	500.6	498.2	497.0	496.2
115°	575.9	573.7	571.5	569.3	567.1	565.1	563.1	561.2	559.2	558.2	557.5
117.5°	632.4	630.7	628.9	627.2	625.4	624.3	623.2	622.1	621.0	620.5	619.7
120°	688.8	687.1	685.3	683.6	681.8	681.1	680.5	679.8	679.1	678.8	677.8
122.5°	742.5	741.4	740.3	739.2	738.1	737.2	736.3	735.4	734.5	734.1	733.3
125°	792.2	791.7	791.3	790.8	790.4	789.5	788.7	787.8	786.9	786.5	785.6
127.5°	845.5	844.8	844.1	843.5	842.8	841.7	840.6	839.5	838.4	837.9	837.0
130°	892.8	891.9	891.0	890.1	889.2	888.3	887.5	886.6	885.7	885.3	884.4
132.5°	937.3	936.4	935.5	934.6	933.7	933.0	932.4	931.7	931.0	930.7	929.8
135°	981.8	981.1	980.5	979.8	979.2	978.3	977.4	976.5	975.6	975.2	974.5
137.5°	1023.1	1022.0	1020.9	1019.8	1018.7	1018.3	1017.8	1017.4	1016.9	1016.7	1015.8
140°	1060.8	1059.9	1059.0	1058.1	1057.2	1056.5	1055.9	1055.2	1054.5	1054.2	1053.5
142.5°	1096.4	1095.7	1095.1	1094.4	1093.8	1093.1	1092.5	1091.8	1091.1	1090.8	1090.1
145°	1129.1	1128.7	1128.2	1127.8	1127.4	1127.0	1126.5	1126.1	1125.6	1125.4	1124.6
147.5°	1159.8	1159.3	1158.9	1158.4	1158.0	1157.6	1157.1	1156.7	1156.2	1156.0	1155.5
150°	1187.4	1187.0	1186.5	1186.1	1185.7	1185.3	1184.8	1184.4	1183.9	1183.7	1183.4
152.5°	1212.9	1212.0	1211.1	1210.3	1209.4	1209.2	1209.0	1208.7	1208.5	1208.4	1208.3
155°	1235.5	1234.4	1233.3	1232.2	1231.1	1230.9	1230.7	1230.4	1230.2	1230.1	1230.3
157.5°	1256.1	1254.8	1253.5	1252.2	1250.9	1251.1	1251.3	1251.6	1251.8	1251.9	1251.9
160°	1272.9	1271.6	1270.3	1269.0	1267.7	1267.9	1268.1	1268.4	1268.6	1268.7	1268.8
162.5°	1288.6	1287.1	1285.6	1284.0	1282.5	1282.7	1282.9	1283.2	1283.4	1283.5	1283.8
165°	1302.3	1300.6	1298.8	1297.1	1295.3	1295.5	1295.7	1296.0	1296.2	1296.3	1296.6
167.5°	1313.2	1311.5	1309.7	1308.0	1306.2	1306.2	1306.2	1306.2	1306.2	1306.2	1306.6
170°	1322.1	1320.4	1318.6	1316.9	1315.1	1315.1	1315.1	1315.1	1315.1	1315.1	1315.5
172.5°	1328.0	1326.3	1324.5	1322.8	1321.0	1320.8	1320.6	1320.3	1320.1	1320.0	1320.6
175°	1332.1	1330.6	1329.1	1327.5	1326.0	1325.8	1325.6	1325.3	1325.1	1325.0	1325.5
177.5°	1334.9	1333.2	1331.4	1329.7	1327.9	1327.7	1327.5	1327.2	1327.0	1326.9	1327.5
180°	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9	1329.9

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	529.7	529.7	529.7	529.7
2.5°	516.1	519.3	525.6	531.1
5°	505.2	510.2	519.7	529.3
7.5°	492.1	499.8	512.0	525.2
10°	479.4	489.3	504.3	519.7
12.5°	466.7	477.1	493.0	512.9
15°	451.7	462.6	481.6	505.7
17.5°	438.6	453.1	470.3	494.3
20°	424.5	435.4	457.6	483.0
22.5°	406.8	424.9	445.8	472.6
25°	392.7	408.6	429.5	459.9
27.5°	375.5	394.1	419.5	446.3
30°	361.5	376.9	400.5	432.7
32.5°	345.1	363.3	387.8	419.5
35°	330.6	346.0	369.2	401.4
37.5°	313.4	330.2	356.0	384.6
40°	298.4	314.7	339.2	366.0
42.5°	280.3	297.5	322.0	344.7
45°	265.8	281.6	301.1	322.0
47.5°	248.1	264.9	283.9	298.4
50°	232.2	247.6	262.6	274.8
52.5°	215.0	229.0	242.6	251.7
55°	199.1	210.0	220.9	227.2
57.5°	180.5	190.9	200.0	203.6
60°	164.2	172.8	178.7	182.8
62.5°	146.9	153.3	157.8	160.1
65°	130.2	134.7	137.0	139.2
67.5°	112.9	117.0	118.4	121.1
70°	94.8	99.3	100.2	101.6
72.5°	81.2	81.2	83.0	84.8
75°	64.9	65.8	66.7	66.7
77.5°	50.8	50.8	51.7	52.2
80°	37.2	37.6	37.6	37.2
82.5°	25.4	26.3	25.4	24.9
85°	14.1	15.9	15.0	15.0
87.5°	5.9	5.9	6.8	5.9
90°	7.6	5.4	3.2	1.0
92.5°	18.8	20.1	21.4	22.7
95°	33.3	42.3	51.3	60.3
97.5°	91.2	97.4	103.5	109.7
100°	180.1	175.8	171.4	167.0
102.5°	240.7	237.9	235.0	232.2
105°	301.7	299.2	296.8	294.4
107.5°	366.5	364.6	362.6	360.6
110°	432.1	430.3	428.6	426.8

TEST NUMBER: P1010870

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	494.7	493.2	491.6	490.1
115°	556.2	554.9	553.6	552.3
117.5°	618.2	616.7	615.1	613.6
120°	675.8	673.9	671.9	669.9
122.5°	731.8	730.3	728.7	727.2
125°	783.9	782.1	780.4	778.6
127.5°	835.3	833.5	831.8	830.0
130°	882.7	880.9	879.2	877.4
132.5°	928.1	926.3	924.6	922.8
135°	973.2	971.9	970.6	969.3
137.5°	1014.1	1012.3	1010.6	1008.8
140°	1052.2	1050.9	1049.6	1048.3
142.5°	1088.8	1087.5	1086.2	1084.9
145°	1123.1	1121.6	1120.0	1118.5
147.5°	1154.4	1153.3	1152.2	1151.1
150°	1182.7	1182.0	1181.4	1180.7
152.5°	1208.1	1207.8	1207.6	1207.4
155°	1230.8	1231.2	1231.7	1232.1
157.5°	1251.9	1251.9	1251.9	1251.9
160°	1269.0	1269.2	1269.4	1269.6
162.5°	1284.5	1285.1	1285.8	1286.4
165°	1297.3	1298.0	1298.6	1299.3
167.5°	1307.5	1308.4	1309.2	1310.1
170°	1316.4	1317.3	1318.1	1319.0
172.5°	1321.7	1322.8	1323.9	1325.0
175°	1326.6	1327.7	1328.8	1329.9
177.5°	1328.6	1329.7	1330.8	1331.9
180°	1329.9	1329.9	1329.9	1329.9

(END OF REPORT)