

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: P1031117

Luminaire Tested: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031117
REPORT IS A COMBINATION OF REPORTS P994169 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

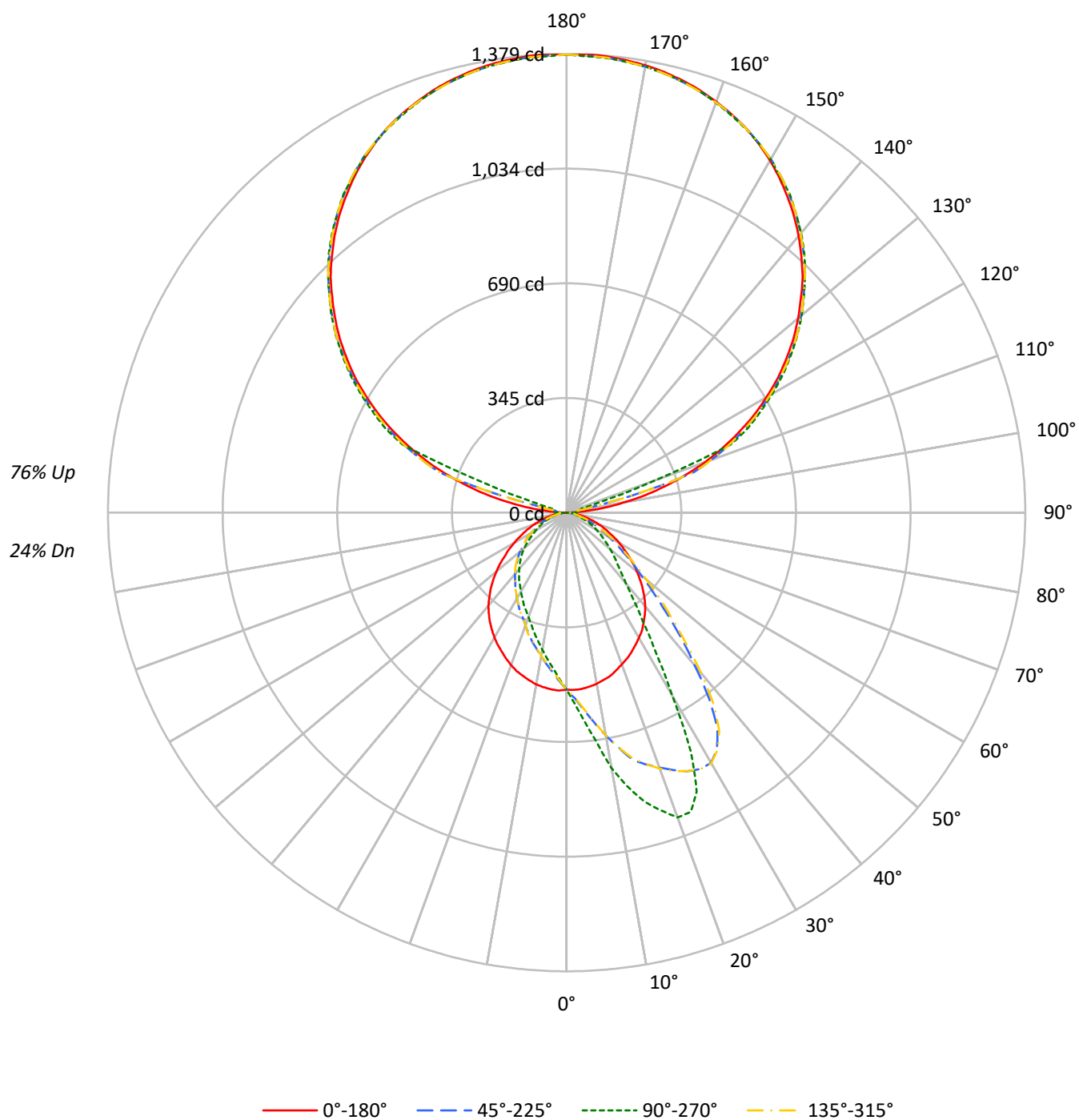
Lumens per Lamp: N/A
Luminaire Lumens: 5526.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 44.5
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: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

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	50	30	10
RCR																				
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32			24
1	92	88	85	81	82	79	76	73	61	59	57	44	43	42	29	28	28			21
2	84	77	72	67	75	69	64	60	53	50	47	39	37	35	26	25	24			18
3	77	68	61	56	68	61	55	51	47	43	40	35	32	30	23	22	21			15
4	70	60	53	47	62	54	48	43	42	38	34	31	28	26	21	19	18			13
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	17	16			12
6	59	48	40	35	53	43	37	32	34	29	26	25	22	20	17	15	14			11
7	55	43	36	31	49	39	32	28	31	26	23	23	20	17	16	14	12			9
8	51	39	32	27	45	35	29	25	28	23	20	21	18	16	14	13	11			9
9	47	36	29	24	42	32	26	22	25	21	18	19	16	14	13	11	10			8
10	44	33	26	21	39	29	23	19	23	19	16	18	15	13	12	10	9			7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5727	5727	5727	5727
5°	5732	6597	5747	4894
10°	5681	7964	5707	4275
15°	5623	9037	5623	3769
20°	5508	9748	5538	3344
25°	5424	9262	5412	3051
30°	5325	6417	5314	2765
35°	5207	4120	5184	2549
40°	5061	2909	5034	2334
45°	4804	2328	4797	2125
50°	4490	1948	4475	1880
55°	4135	1605	4102	1594
60°	3788	1326	3751	1356
65°	3382	1061	3404	1149
70°	3004	738	3086	930
75°	2549	547	2651	714
80°	2030	362	2199	535
85°	1441	171	1575	332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7647 cd/sqm

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	0.9
10°-20°	163.6	3.0
20°-30°	257.6	4.7
30°-40°	267.9	4.8
40°-50°	229.2	4.1
50°-60°	174.7	3.2
60°-70°	111.9	2.0
70°-80°	53.6	1.0
80°-90°	16.9	0.3
90°-100°	48.6	0.9
100°-110°	234.8	4.2
110°-120°	575.4	10.4
120°-130°	730.4	13.2
130°-140°	780.3	14.1
140°-150°	729.6	13.2
150°-160°	588.5	10.7
160°-170°	379.8	6.9
170°-180°	130.9	2.4
0°-30°	473.5	8.6
0°-40°	741.4	13.4
0°-60°	1145.3	20.7
0°-90°	1327.7	24.0
90°-120°	858.7	15.5
90°-150°	3099.0	56.1
90°-180°	4198.0	76.0
0°-180°	5526.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	532	532	532	532	532	
5°	532	632	533	469	532	50
15°	508	898	508	374	508	143
25°	462	925	461	305	462	213
35°	403	401	401	248	403	252
45°	324	214	323	195	324	249
55°	228	134	226	134	228	205
65°	140	77	141	84	140	140
75°	67	33	70	43	67	72
85°	15	8	16	15	15	17
90°	1	31	1	31	1	4
95°	62	39	62	39	62	75
105°	305	45	305	45	305	323
115°	572	602	572	602	572	565
125°	806	823	806	823	806	720
135°	1004	1014	1004	1014	1004	773
145°	1158	1169	1158	1169	1158	725
155°	1276	1274	1276	1274	1276	588
165°	1345	1342	1345	1342	1345	380
175°	1377	1372	1377	1372	1377	131
180°	1377	1377	1377	1377	1377	

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4FO-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	533.5	537.1	539.9	541.7	546.2	549.0	551.3	555.4	555.4	556.3	558.1
5°	531.7	539.4	544.9	552.2	561.7	566.3	572.7	578.1	585.9	590.0	594.1
7.5°	527.6	538.5	549.9	560.8	574.9	584.1	590.4	604.6	614.6	626.9	636.4
10°	522.1	537.1	551.7	568.6	587.7	601.4	610.9	629.6	648.7	666.1	680.6
12.5°	515.3	533.5	554.4	574.9	601.8	615.5	631.0	654.2	681.5	703.4	723.0
15°	508.0	528.9	552.6	577.7	611.4	630.5	652.8	681.1	711.6	743.0	769.9
17.5°	496.6	523.0	549.4	585.9	625.5	636.9	656.0	694.8	732.6	760.8	793.6
20°	485.2	514.8	548.1	580.9	623.7	650.1	667.9	708.9	749.4	783.6	815.0
22.5°	474.7	505.7	540.3	581.8	621.9	648.3	670.6	713.4	760.4	798.6	837.4
25°	462.0	495.7	533.9	573.1	621.9	641.9	666.5	716.2	765.8	810.0	857.9
27.5°	448.3	482.5	520.3	560.4	605.0	634.6	658.8	712.1	772.7	820.0	869.2
30°	434.6	469.7	506.1	542.1	592.3	620.5	648.3	707.1	776.3	830.5	868.3
32.5°	421.4	451.0	487.0	522.1	571.8	602.7	634.2	702.0	777.7	823.2	841.5
35°	403.2	434.2	463.3	500.7	550.8	581.3	618.2	701.6	771.8	800.0	790.9
37.5°	386.3	412.3	440.1	473.3	524.8	564.5	602.7	689.7	752.2	754.0	702.5
40°	367.7	389.1	412.3	447.4	503.0	542.1	583.6	671.5	716.6	689.7	599.1
42.5°	346.2	365.4	383.6	417.8	478.4	522.1	566.7	648.7	665.1	603.2	508.9
45°	323.5	339.0	355.8	391.8	452.4	495.7	540.3	613.7	596.8	509.3	419.6
47.5°	299.8	313.0	329.4	362.2	424.6	468.8	511.2	563.6	520.7	426.9	351.7
50°	276.1	286.6	302.5	336.2	396.4	436.4	475.6	509.8	449.7	366.3	290.7
52.5°	252.8	261.0	277.4	306.1	364.5	402.7	431.0	444.2	383.1	302.5	252.4
55°	228.2	237.4	248.3	277.4	335.3	363.6	382.2	381.8	318.9	256.5	208.7
57.5°	204.6	212.8	222.3	251.5	298.4	317.5	333.5	325.7	266.1	210.0	179.0
60°	183.6	188.2	198.6	223.2	258.8	275.2	284.3	271.1	217.3	177.2	148.1
62.5°	160.8	165.4	174.0	197.3	219.1	227.8	235.5	218.7	179.5	144.4	126.7
65°	139.9	145.8	151.3	169.9	181.8	192.3	191.3	177.2	140.3	117.5	103.0
67.5°	121.6	123.9	128.5	139.9	145.3	153.1	153.5	137.6	113.0	95.7	87.0
70°	102.0	104.3	107.5	113.0	116.6	118.5	117.5	103.4	85.2	74.7	67.0
72.5°	85.2	84.7	87.0	87.0	90.7	90.2	87.5	76.5	64.7	56.0	51.5
75°	67.0	67.4	67.9	67.0	65.6	63.8	61.5	53.3	45.6	41.5	37.4
77.5°	52.4	51.5	51.9	48.7	46.9	45.1	41.9	37.8	31.4	30.5	28.7
80°	37.4	36.9	36.4	35.1	31.0	29.2	26.9	24.6	23.2	22.3	21.9
82.5°	25.1	25.1	24.1	21.4	19.1	17.8	17.3	16.4	15.0	15.0	14.6
85°	15.0	14.6	13.7	10.9	9.6	9.6	9.6	9.6	8.7	8.7	8.2
87.5°	5.9	5.5	4.1	4.1	3.6	3.6	3.6	3.2	3.2	2.7	2.7
90°	1.0	3.3	5.6	7.9	10.2	11.3	12.8	15.7	18.7	21.6	24.6
92.5°	23.5	22.1	20.8	19.4	18.1	17.4	18.4	20.5	22.5	24.6	26.6
95°	62.4	53.1	43.8	34.5	25.2	20.5	21.7	24.2	26.7	29.2	31.7
97.5°	113.6	107.2	100.8	94.5	88.1	84.9	79.1	67.5	55.9	44.3	32.7
100°	172.9	177.5	182.0	186.6	191.1	193.4	175.7	140.2	104.7	69.3	33.8
102.5°	240.4	243.4	246.3	249.3	252.2	253.7	233.9	194.4	154.8	115.3	75.7
105°	304.9	307.4	309.9	312.4	314.9	316.1	305.9	285.4	265.0	244.5	224.1
107.5°	373.4	375.4	377.5	379.5	381.6	382.6	384.3	387.7	391.2	394.6	398.0
110°	442.0	443.8	445.6	447.5	449.3	450.2	451.4	453.9	456.4	458.9	461.4



TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	507.5	509.1	510.7	512.2	513.8	514.6	515.9	518.4	520.9	523.4	525.9
115°	571.9	573.3	574.7	576.0	577.4	578.1	579.1	581.2	583.2	585.3	587.3
117.5°	635.4	637.0	638.6	640.1	641.7	642.5	643.1	644.2	645.3	646.5	647.6
120°	693.7	695.7	697.8	699.8	701.9	702.9	703.2	703.9	704.6	705.3	706.0
122.5°	753.0	754.6	756.2	757.8	759.4	760.2	760.7	761.6	762.5	763.4	764.3
125°	806.2	808.0	809.8	811.7	813.5	814.4	814.9	815.8	816.7	817.6	818.5
127.5°	859.4	861.2	863.0	864.9	866.7	867.6	868.2	869.3	870.4	871.6	872.7
130°	908.5	910.3	912.1	914.0	915.8	916.7	917.2	918.1	919.0	919.9	920.8
132.5°	955.6	957.4	959.2	961.1	962.9	963.8	964.1	964.8	965.5	966.1	966.8
135°	1003.7	1005.1	1006.4	1007.8	1009.1	1009.8	1010.3	1011.2	1012.1	1013.0	1013.9
137.5°	1044.6	1046.4	1048.2	1050.1	1051.9	1052.8	1053.0	1053.5	1053.9	1054.4	1054.8
140°	1085.5	1086.9	1088.3	1089.6	1091.0	1091.7	1092.0	1092.7	1093.4	1094.0	1094.7
142.5°	1123.4	1124.8	1126.1	1127.5	1128.8	1129.5	1129.8	1130.5	1131.2	1131.9	1132.6
145°	1158.2	1159.8	1161.4	1162.9	1164.5	1165.3	1165.5	1166.0	1166.5	1166.9	1167.4
147.5°	1191.9	1193.0	1194.2	1195.3	1196.4	1197.0	1197.2	1197.7	1198.2	1198.6	1199.1
150°	1222.6	1223.3	1224.0	1224.7	1225.4	1225.7	1225.9	1226.4	1226.8	1227.3	1227.7
152.5°	1250.2	1250.4	1250.7	1250.9	1251.2	1251.3	1251.4	1251.6	1251.9	1252.1	1252.3
155°	1275.8	1275.4	1274.9	1274.5	1274.0	1273.8	1273.9	1274.1	1274.4	1274.6	1274.8
157.5°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.2	1296.0	1295.7	1295.5	1295.3
160°	1314.7	1314.5	1314.3	1314.0	1313.8	1313.7	1313.6	1313.4	1313.1	1312.9	1312.7
162.5°	1332.1	1331.4	1330.7	1330.0	1329.3	1329.0	1328.9	1328.7	1328.4	1328.2	1328.0
165°	1345.4	1344.7	1344.0	1343.3	1342.6	1342.3	1342.2	1342.0	1341.7	1341.5	1341.3
167.5°	1356.7	1355.8	1354.9	1354.0	1353.1	1352.6	1352.6	1352.6	1352.6	1352.6	1352.6
170°	1365.9	1365.0	1364.1	1363.2	1362.3	1361.8	1361.8	1361.8	1361.8	1361.8	1361.8
172.5°	1372.0	1370.9	1369.7	1368.6	1367.5	1366.9	1367.0	1367.2	1367.5	1367.7	1367.9
175°	1377.1	1376.0	1374.8	1373.7	1372.6	1372.0	1372.1	1372.3	1372.6	1372.8	1373.0
177.5°	1379.2	1378.0	1376.9	1375.7	1374.6	1374.0	1374.1	1374.4	1374.6	1374.9	1375.1
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4FO-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	561.7	561.7	565.8	569.9	567.7	569.0	574.0	572.2	575.9	575.4	576.8
5°	604.1	609.1	613.2	621.9	623.2	621.9	630.5	632.8	636.9	631.9	634.2
7.5°	651.9	662.4	672.4	685.2	689.3	690.2	694.8	701.1	706.6	696.6	701.6
10°	698.4	714.3	734.8	746.2	756.3	759.9	763.6	767.7	774.0	780.0	775.4
12.5°	748.5	771.8	791.3	811.8	824.1	822.8	833.3	836.0	841.0	842.4	844.2
15°	789.5	822.3	834.6	865.1	867.9	877.0	888.8	899.3	900.7	897.9	897.9
17.5°	828.7	856.9	878.8	903.4	908.4	916.2	931.2	936.2	938.0	937.6	937.6
20°	860.6	879.3	916.2	936.7	944.9	954.9	965.4	971.8	973.1	974.9	972.2
22.5°	881.5	909.8	939.9	956.7	963.6	967.2	974.0	975.9	973.6	974.0	974.5
25°	897.9	925.7	944.0	948.5	948.1	943.5	938.5	929.8	928.9	925.3	918.0
27.5°	902.5	913.0	910.7	892.0	873.3	871.5	841.5	825.1	806.4	809.1	798.6
30°	877.9	864.2	831.9	784.5	764.9	733.0	699.3	664.2	650.6	635.5	663.3
32.5°	817.8	769.0	711.6	650.1	617.3	589.1	553.1	527.6	513.0	500.7	524.4
35°	727.1	651.0	574.9	516.6	489.7	464.2	430.5	417.8	399.5	401.4	403.6
37.5°	610.5	526.6	469.2	411.8	394.1	383.6	359.0	339.4	333.0	331.2	331.2
40°	501.1	432.3	381.3	336.2	322.6	313.9	294.3	285.2	278.4	276.5	278.8
42.5°	414.6	355.8	316.2	286.1	276.5	265.6	257.4	246.0	244.6	241.5	245.6
45°	348.1	297.0	267.4	245.6	237.4	233.3	224.1	217.3	214.6	214.1	217.3
47.5°	295.2	255.6	229.6	215.9	209.6	205.5	197.7	195.0	192.3	193.2	191.8
50°	247.8	218.2	201.4	189.1	185.0	180.9	175.9	173.1	171.8	171.8	171.3
52.5°	212.8	188.2	177.2	165.8	164.0	161.7	156.3	154.4	152.2	151.7	153.5
55°	182.2	165.4	154.4	147.6	145.8	141.2	139.0	136.7	135.3	134.4	134.9
57.5°	155.8	143.1	135.8	129.8	126.7	124.8	120.7	120.3	119.4	119.4	118.9
60°	133.9	124.8	116.2	112.5	110.3	108.0	107.5	104.8	103.4	104.3	103.9
62.5°	113.4	106.1	101.1	97.0	95.7	93.8	92.5	91.6	90.2	90.7	90.7
65°	94.8	88.8	85.2	81.5	81.1	79.3	78.8	77.9	77.9	77.4	78.4
67.5°	77.9	73.8	70.6	68.3	67.0	67.4	65.6	64.2	64.2	63.8	65.1
70°	62.0	59.7	56.5	53.8	51.9	51.9	49.7	49.2	49.2	49.2	48.7
72.5°	47.8	43.7	42.4	41.5	41.5	41.5	40.5	40.5	40.1	40.5	40.1
75°	35.5	35.1	34.2	33.7	33.7	33.3	32.8	32.8	32.8	32.8	32.8
77.5°	27.8	27.8	26.9	26.4	26.4	26.4	26.0	26.0	25.5	25.5	25.5
80°	20.5	20.5	19.6	19.6	19.6	19.1	19.1	19.1	19.6	19.1	19.1
82.5°	14.1	14.1	13.7	14.1	13.7	13.2	13.2	13.2	12.8	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°	25.5	26.4	27.3	28.2	28.6	28.8	29.3	29.8	30.2	30.7	30.2
92.5°	28.2	29.8	31.4	33.0	33.8	33.9	34.1	34.4	34.6	34.8	34.6
95°	33.3	34.9	36.5	38.1	38.9	38.9	38.9	38.9	38.9	38.9	38.9
97.5°	34.5	36.3	38.2	40.0	40.9	41.0	41.2	41.5	41.7	41.9	41.7
100°	35.6	37.4	39.2	41.0	41.9	42.0	42.3	42.5	42.8	43.0	42.8
102.5°	68.2	60.7	53.2	45.7	41.9	42.1	42.6	43.1	43.5	44.0	43.5
105°	183.9	143.6	103.4	63.1	43.0	43.2	43.7	44.1	44.6	45.0	44.6
107.5°	363.0	328.0	292.9	257.9	240.4	225.5	195.7	166.0	136.2	106.4	136.2
110°	453.9	446.4	438.9	431.4	427.7	411.4	378.9	346.4	313.9	281.4	313.9

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	527.9	530.0	532.0	534.1	535.1	534.9	534.4	533.9	533.5	533.0	533.5
115°	589.6	591.8	594.1	596.4	597.5	598.0	598.9	599.8	600.7	601.6	600.7
117.5°	649.4	651.2	653.1	654.9	655.8	655.9	656.1	656.4	656.6	656.8	656.6
120°	707.8	709.6	711.4	713.2	714.1	714.1	714.1	714.1	714.1	714.1	714.1
122.5°	765.4	766.6	767.7	768.8	769.4	769.5	769.7	770.0	770.2	770.4	770.2
125°	818.9	819.4	819.8	820.3	820.5	820.7	821.2	821.7	822.1	822.6	822.1
127.5°	873.4	874.1	874.8	875.5	875.8	875.6	875.1	874.6	874.2	873.7	874.2
130°	921.7	922.6	923.5	924.4	924.9	924.7	924.2	923.8	923.3	922.9	923.3
132.5°	967.7	968.6	969.5	970.4	970.9	970.6	969.9	969.2	968.6	967.9	968.6
135°	1014.6	1015.3	1016.0	1016.7	1017.0	1016.7	1016.0	1015.3	1014.6	1013.9	1014.6
137.5°	1055.9	1057.1	1058.2	1059.3	1059.9	1059.7	1059.2	1058.8	1058.3	1057.9	1058.3
140°	1095.6	1096.5	1097.4	1098.3	1098.8	1098.6	1098.1	1097.7	1097.2	1096.8	1097.2
142.5°	1133.3	1134.0	1134.7	1135.4	1135.7	1135.4	1134.7	1134.0	1133.3	1132.6	1133.3
145°	1167.8	1168.3	1168.7	1169.2	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4
147.5°	1199.5	1200.0	1200.4	1200.9	1201.1	1200.5	1199.4	1198.3	1197.1	1196.0	1197.1
150°	1228.2	1228.6	1229.1	1229.6	1229.8	1229.5	1228.8	1228.1	1227.4	1226.7	1227.4
152.5°	1253.2	1254.1	1255.0	1255.9	1256.4	1255.8	1254.7	1253.6	1252.4	1251.3	1252.4
155°	1275.9	1277.1	1278.2	1279.3	1279.9	1279.2	1277.9	1276.5	1275.2	1273.8	1275.2
157.5°	1296.7	1298.0	1299.4	1300.7	1301.4	1300.5	1298.7	1296.8	1295.0	1293.2	1295.0
160°	1314.1	1315.4	1316.8	1318.1	1318.8	1318.0	1316.4	1314.8	1313.2	1311.6	1313.2
162.5°	1329.6	1331.2	1332.8	1334.4	1335.2	1334.5	1333.1	1331.8	1330.4	1329.0	1330.4
165°	1343.1	1344.9	1346.8	1348.6	1349.5	1348.7	1347.1	1345.5	1343.9	1342.3	1343.9
167.5°	1354.4	1356.2	1358.0	1359.8	1360.7	1359.8	1358.0	1356.2	1354.4	1352.6	1354.4
170°	1363.6	1365.4	1367.3	1369.1	1370.0	1369.1	1367.3	1365.4	1363.6	1361.8	1363.6
172.5°	1369.7	1371.5	1373.4	1375.2	1376.1	1375.1	1373.0	1371.0	1368.9	1366.9	1368.9
175°	1374.6	1376.2	1377.8	1379.4	1380.2	1379.3	1377.5	1375.6	1373.8	1372.0	1373.8
177.5°	1376.9	1378.7	1380.6	1382.4	1383.3	1382.2	1379.9	1377.6	1375.3	1373.0	1375.3
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	574.5	571.8	569.9	568.6	567.2	571.3	565.8	559.9	555.8	553.1	552.2
5°	634.6	628.7	623.7	619.6	620.5	620.5	610.9	600.5	591.3	586.3	580.9
7.5°	704.3	697.9	687.9	685.6	683.8	672.4	662.9	643.7	632.3	621.0	610.9
10°	773.6	765.4	755.8	752.6	748.1	733.9	719.4	694.8	680.6	659.7	646.5
12.5°	838.3	828.2	818.7	816.4	809.6	797.3	772.2	746.7	722.5	700.2	677.0
15°	892.5	889.7	875.2	866.1	851.0	834.2	828.7	794.1	763.6	740.3	698.4
17.5°	938.0	925.3	911.6	905.7	899.8	880.2	860.6	825.1	792.3	758.1	731.2
20°	974.5	960.4	950.8	942.1	939.4	917.1	886.1	854.7	818.7	780.4	745.3
22.5°	976.3	974.5	968.1	963.1	957.6	943.0	918.4	879.3	841.0	799.1	753.1
25°	938.5	935.8	954.0	949.4	953.1	947.6	934.4	901.6	856.9	807.7	761.3
27.5°	824.6	852.4	881.1	891.1	897.9	917.5	923.9	905.7	869.7	817.3	765.4
30°	669.7	706.6	753.1	778.1	797.3	833.7	881.1	887.0	870.2	828.2	764.5
32.5°	525.7	559.5	596.8	626.4	651.9	726.6	790.4	836.4	844.6	822.8	766.7
35°	423.7	438.3	473.8	502.0	536.7	600.5	675.6	749.9	800.0	802.7	759.9
37.5°	349.4	357.2	388.2	404.1	424.6	480.6	550.8	647.8	725.7	762.6	740.8
40°	289.3	307.1	324.8	333.9	348.5	387.2	454.7	530.7	627.3	695.7	711.2
42.5°	251.0	258.8	270.2	282.9	292.0	325.7	370.8	440.5	527.6	622.8	665.6
45°	221.4	224.1	236.0	244.2	253.8	277.4	309.3	367.7	444.2	538.0	610.9
47.5°	196.8	202.3	208.7	213.7	220.0	238.3	265.6	308.0	375.4	459.2	537.6
50°	174.9	178.1	186.3	188.6	193.2	205.9	226.9	259.2	314.8	381.8	462.9
52.5°	154.4	160.4	163.6	166.7	170.8	181.3	195.0	221.4	263.3	326.2	395.0
55°	138.5	140.3	144.9	147.6	150.8	158.1	169.9	189.5	222.3	272.4	337.6
57.5°	123.0	123.0	127.6	129.8	133.0	138.5	149.0	164.0	187.7	225.1	284.7
60°	106.6	107.1	110.7	113.4	114.4	119.8	128.5	140.3	158.5	185.9	234.6
62.5°	92.0	94.3	96.1	97.0	100.2	103.4	110.7	118.9	131.7	155.8	190.4
65°	79.7	80.2	81.5	82.5	83.8	87.5	92.9	98.4	109.3	127.1	155.4
67.5°	65.6	67.4	69.2	69.2	70.6	72.4	77.9	82.5	90.7	101.1	120.3
70°	49.2	50.1	52.8	54.2	56.0	59.2	62.0	64.7	71.1	78.8	93.4
72.5°	41.0	41.0	41.9	42.4	42.4	44.6	48.7	51.5	54.7	60.1	70.2
75°	32.8	32.8	34.2	33.7	34.6	35.5	36.0	37.8	39.6	43.7	49.7
77.5°	26.0	26.4	26.4	26.9	26.9	27.3	27.8	28.7	29.6	31.9	34.6
80°	19.1	19.6	19.6	20.0	20.0	20.5	21.0	21.4	22.3	23.2	24.6
82.5°	13.2	13.7	13.7	14.1	13.7	14.1	14.6	14.6	15.0	15.9	16.4
85°	7.7	7.7	8.2	7.7	7.7	7.7	8.2	8.2	8.7	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°	29.8	29.3	28.8	28.6	28.2	27.3	26.4	25.5	24.6	21.6	18.7
92.5°	34.4	34.1	33.9	33.8	33.0	31.4	29.8	28.2	26.6	24.6	22.5
95°	38.9	38.9	38.9	38.9	38.1	36.5	34.9	33.3	31.7	29.2	26.7
97.5°	41.5	41.2	41.0	40.9	40.0	38.2	36.3	34.5	32.7	44.3	55.9
100°	42.5	42.3	42.0	41.9	41.0	39.2	37.4	35.6	33.8	69.3	104.7
102.5°	43.1	42.6	42.1	41.9	45.7	53.2	60.7	68.2	75.7	115.3	154.8
105°	44.1	43.7	43.2	43.0	63.1	103.4	143.6	183.9	224.1	244.5	265.0
107.5°	166.0	195.7	225.5	240.4	257.9	292.9	328.0	363.0	398.0	394.6	391.2
110°	346.4	378.9	411.4	427.7	431.4	438.9	446.4	453.9	461.4	458.9	456.4

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	533.9	534.4	534.9	535.1	534.1	532.0	530.0	527.9	525.9	523.4	520.9
115°	599.8	598.9	598.0	597.5	596.4	594.1	591.8	589.6	587.3	585.3	583.2
117.5°	656.4	656.1	655.9	655.8	654.9	653.1	651.2	649.4	647.6	646.5	645.3
120°	714.1	714.1	714.1	714.1	713.2	711.4	709.6	707.8	706.0	705.3	704.6
122.5°	770.0	769.7	769.5	769.4	768.8	767.7	766.6	765.4	764.3	763.4	762.5
125°	821.7	821.2	820.7	820.5	820.3	819.8	819.4	818.9	818.5	817.6	816.7
127.5°	874.6	875.1	875.6	875.8	875.5	874.8	874.1	873.4	872.7	871.6	870.4
130°	923.8	924.2	924.7	924.9	924.4	923.5	922.6	921.7	920.8	919.9	919.0
132.5°	969.2	969.9	970.6	970.9	970.4	969.5	968.6	967.7	966.8	966.1	965.5
135°	1015.3	1016.0	1016.7	1017.0	1016.7	1016.0	1015.3	1014.6	1013.9	1013.0	1012.1
137.5°	1058.8	1059.2	1059.7	1059.9	1059.3	1058.2	1057.1	1055.9	1054.8	1054.4	1053.9
140°	1097.7	1098.1	1098.6	1098.8	1098.3	1097.4	1096.5	1095.6	1094.7	1094.0	1093.4
142.5°	1134.0	1134.7	1135.4	1135.7	1135.4	1134.7	1134.0	1133.3	1132.6	1131.9	1131.2
145°	1169.4	1169.4	1169.4	1169.4	1169.2	1168.7	1168.3	1167.8	1167.4	1166.9	1166.5
147.5°	1198.3	1199.4	1200.5	1201.1	1200.9	1200.4	1200.0	1199.5	1199.1	1198.6	1198.2
150°	1228.1	1228.8	1229.5	1229.8	1229.6	1229.1	1228.6	1228.2	1227.7	1227.3	1226.8
152.5°	1253.6	1254.7	1255.8	1256.4	1255.9	1255.0	1254.1	1253.2	1252.3	1252.1	1251.9
155°	1276.5	1277.9	1279.2	1279.9	1279.3	1278.2	1277.1	1275.9	1274.8	1274.6	1274.4
157.5°	1296.8	1298.7	1300.5	1301.4	1300.7	1299.4	1298.0	1296.7	1295.3	1295.5	1295.7
160°	1314.8	1316.4	1318.0	1318.8	1318.1	1316.8	1315.4	1314.1	1312.7	1312.9	1313.1
162.5°	1331.8	1333.1	1334.5	1335.2	1334.4	1332.8	1331.2	1329.6	1328.0	1328.2	1328.4
165°	1345.5	1347.1	1348.7	1349.5	1348.6	1346.8	1344.9	1343.1	1341.3	1341.5	1341.7
167.5°	1356.2	1358.0	1359.8	1360.7	1359.8	1358.0	1356.2	1354.4	1352.6	1352.6	1352.6
170°	1365.4	1367.3	1369.1	1370.0	1369.1	1367.3	1365.4	1363.6	1361.8	1361.8	1361.8
172.5°	1371.0	1373.0	1375.1	1376.1	1375.2	1373.4	1371.5	1369.7	1367.9	1367.7	1367.5
175°	1375.6	1377.5	1379.3	1380.2	1379.4	1377.8	1376.2	1374.6	1373.0	1372.8	1372.6
177.5°	1377.6	1379.9	1382.2	1383.3	1382.4	1380.6	1378.7	1376.9	1375.1	1374.9	1374.6
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	550.8	548.5	546.2	546.2	541.2	536.7	534.4	535.3	532.6	528.9	525.3
5°	574.9	565.8	564.0	559.0	552.2	542.6	537.6	533.0	527.6	520.3	513.4
7.5°	597.3	585.4	579.0	574.0	560.8	547.6	536.7	529.4	519.8	508.9	500.7
10°	626.4	604.6	597.7	586.3	567.7	549.0	536.2	524.4	511.2	498.4	487.5
12.5°	649.7	624.6	611.8	600.5	576.3	552.6	531.2	516.6	500.7	486.6	472.4
15°	676.1	647.8	625.5	611.8	581.3	552.6	528.5	508.0	490.2	472.9	460.6
17.5°	688.8	653.3	643.3	623.7	579.5	550.8	521.2	499.3	477.9	457.9	443.3
20°	708.9	667.4	642.4	629.2	590.0	547.6	513.0	487.9	465.6	444.2	428.7
22.5°	710.2	665.1	648.7	623.7	575.4	538.0	505.7	475.2	449.2	429.2	413.2
25°	707.1	661.0	638.3	618.2	578.1	532.6	491.1	461.0	435.5	412.3	393.6
27.5°	705.7	649.2	627.8	607.7	562.6	516.6	482.5	448.3	419.1	398.6	379.5
30°	703.9	636.4	610.5	587.2	545.8	504.3	463.3	433.7	405.9	380.0	360.8
32.5°	692.0	619.1	592.7	568.1	523.5	482.0	449.7	418.2	388.2	364.0	346.7
35°	688.4	603.2	568.6	542.1	498.4	461.5	427.3	401.4	373.1	349.0	328.5
37.5°	677.9	586.8	549.4	515.7	470.2	435.1	410.0	384.1	356.7	330.8	314.3
40°	659.7	567.7	525.3	490.7	443.7	408.2	385.0	365.8	339.0	315.7	295.7
42.5°	632.8	548.1	502.5	466.1	414.1	380.9	361.7	343.5	320.7	296.6	280.2
45°	601.8	522.1	479.7	439.2	386.3	354.0	333.9	323.0	302.0	281.5	262.4
47.5°	559.5	495.2	453.3	411.4	357.6	326.2	310.2	299.3	284.7	262.4	246.9
50°	506.1	460.6	421.0	383.6	329.4	299.3	283.4	275.2	262.9	246.9	231.9
52.5°	446.9	420.5	387.7	353.1	300.7	272.4	257.9	251.5	242.4	227.3	214.6
55°	387.2	375.9	353.5	319.4	270.6	247.4	234.6	226.4	219.6	208.7	197.7
57.5°	333.9	328.5	313.0	286.6	245.6	221.4	210.5	205.0	199.5	191.3	180.4
60°	278.8	284.7	268.8	255.6	218.2	197.3	187.7	181.8	179.0	171.8	164.9
62.5°	231.0	236.4	227.3	217.3	190.9	172.2	166.3	160.8	159.0	152.6	145.8
65°	187.7	194.5	187.7	182.2	166.3	150.8	143.5	140.8	139.0	134.9	129.4
67.5°	149.4	156.3	153.1	146.2	141.2	128.5	124.4	121.6	120.7	117.5	113.0
70°	112.5	122.1	123.0	118.9	114.4	108.4	105.7	104.8	102.5	99.8	97.0
72.5°	81.1	92.0	92.5	92.5	89.7	89.7	87.0	85.6	85.6	82.9	79.7
75°	59.7	67.0	67.9	68.8	70.2	71.5	69.7	69.7	69.2	66.5	65.1
77.5°	39.6	46.0	48.3	51.5	53.3	53.3	54.2	55.1	54.2	52.8	51.9
80°	25.5	30.1	32.8	34.6	37.4	38.7	40.1	40.5	39.6	39.2	37.8
82.5°	16.9	18.2	19.6	21.9	25.1	27.3	27.3	26.9	27.8	27.3	26.9
85°	9.6	10.5	10.9	11.4	13.2	15.5	15.9	16.4	17.3	16.4	15.5
87.5°	3.6	4.1	4.1	4.1	5.0	5.5	6.8	8.7	8.2	7.3	7.3
90°	15.7	12.8	11.3	10.2	7.9	5.6	3.3	1.0	3.3	5.6	7.9
92.5°	20.5	18.4	17.4	18.1	19.4	20.8	22.1	23.5	22.1	20.8	19.4
95°	24.2	21.7	20.5	25.2	34.5	43.8	53.1	62.4	53.1	43.8	34.5
97.5°	67.5	79.1	84.9	88.1	94.5	100.8	107.2	113.6	107.2	100.8	94.5
100°	140.2	175.7	193.4	191.1	186.6	182.0	177.5	172.9	177.5	182.0	186.6
102.5°	194.4	233.9	253.7	252.2	249.3	246.3	243.4	240.4	243.4	246.3	249.3
105°	285.4	305.9	316.1	314.9	312.4	309.9	307.4	304.9	307.4	309.9	312.4
107.5°	387.7	384.3	382.6	381.6	379.5	377.5	375.4	373.4	375.4	377.5	379.5
110°	453.9	451.4	450.2	449.3	447.5	445.6	443.8	442.0	443.8	445.6	447.5

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	518.4	515.9	514.6	513.8	512.2	510.7	509.1	507.5	509.1	510.7	512.2
115°	581.2	579.1	578.1	577.4	576.0	574.7	573.3	571.9	573.3	574.7	576.0
117.5°	644.2	643.1	642.5	641.7	640.1	638.6	637.0	635.4	637.0	638.6	640.1
120°	703.9	703.2	702.9	701.9	699.8	697.8	695.7	693.7	695.7	697.8	699.8
122.5°	761.6	760.7	760.2	759.4	757.8	756.2	754.6	753.0	754.6	756.2	757.8
125°	815.8	814.9	814.4	813.5	811.7	809.8	808.0	806.2	808.0	809.8	811.7
127.5°	869.3	868.2	867.6	866.7	864.9	863.0	861.2	859.4	861.2	863.0	864.9
130°	918.1	917.2	916.7	915.8	914.0	912.1	910.3	908.5	910.3	912.1	914.0
132.5°	964.8	964.1	963.8	962.9	961.1	959.2	957.4	955.6	957.4	959.2	961.1
135°	1011.2	1010.3	1009.8	1009.1	1007.8	1006.4	1005.1	1003.7	1005.1	1006.4	1007.8
137.5°	1053.5	1053.0	1052.8	1051.9	1050.1	1048.2	1046.4	1044.6	1046.4	1048.2	1050.1
140°	1092.7	1092.0	1091.7	1091.0	1089.6	1088.3	1086.9	1085.5	1086.9	1088.3	1089.6
142.5°	1130.5	1129.8	1129.5	1128.8	1127.5	1126.1	1124.8	1123.4	1124.8	1126.1	1127.5
145°	1166.0	1165.5	1165.3	1164.5	1162.9	1161.4	1159.8	1158.2	1159.8	1161.4	1162.9
147.5°	1197.7	1197.2	1197.0	1196.4	1195.3	1194.2	1193.0	1191.9	1193.0	1194.2	1195.3
150°	1226.4	1225.9	1225.7	1225.4	1224.7	1224.0	1223.3	1222.6	1223.3	1224.0	1224.7
152.5°	1251.6	1251.4	1251.3	1251.2	1250.9	1250.7	1250.4	1250.2	1250.4	1250.7	1250.9
155°	1274.1	1273.9	1273.8	1274.0	1274.5	1274.9	1275.4	1275.8	1275.4	1274.9	1274.5
157.5°	1296.0	1296.2	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3
160°	1313.4	1313.6	1313.7	1313.8	1314.0	1314.3	1314.5	1314.7	1314.5	1314.3	1314.0
162.5°	1328.7	1328.9	1329.0	1329.3	1330.0	1330.7	1331.4	1332.1	1331.4	1330.7	1330.0
165°	1342.0	1342.2	1342.3	1342.6	1343.3	1344.0	1344.7	1345.4	1344.7	1344.0	1343.3
167.5°	1352.6	1352.6	1352.6	1353.1	1354.0	1354.9	1355.8	1356.7	1355.8	1354.9	1354.0
170°	1361.8	1361.8	1361.8	1362.3	1363.2	1364.1	1365.0	1365.9	1365.0	1364.1	1363.2
172.5°	1367.2	1367.0	1366.9	1367.5	1368.6	1369.7	1370.9	1372.0	1370.9	1369.7	1368.6
175°	1372.3	1372.1	1372.0	1372.6	1373.7	1374.8	1376.0	1377.1	1376.0	1374.8	1373.7
177.5°	1374.4	1374.1	1374.0	1374.6	1375.7	1376.9	1378.0	1379.2	1378.0	1376.9	1375.7
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	525.3	523.0	522.1	519.8	514.3	510.7	506.6	503.9	504.3	502.0	503.4
5°	508.9	508.4	505.2	500.7	492.9	488.8	481.5	477.9	476.1	476.5	473.8
7.5°	495.2	491.1	488.8	481.5	474.3	465.6	459.7	456.5	453.8	451.0	449.2
10°	479.7	476.1	472.4	464.7	454.7	446.5	438.3	435.1	431.0	429.2	427.8
12.5°	463.3	461.0	456.5	447.4	436.0	428.2	418.7	416.9	411.4	407.7	406.8
15°	448.3	446.9	438.7	428.2	416.9	409.1	400.9	395.4	386.3	388.2	385.0
17.5°	432.3	426.4	421.4	407.3	401.8	390.0	380.4	377.7	371.3	367.2	363.1
20°	414.6	410.9	404.6	395.4	382.2	368.6	361.3	356.7	353.1	346.7	344.9
22.5°	397.7	393.2	387.7	375.9	364.5	353.1	343.1	339.0	334.4	329.8	327.1
25°	384.5	377.7	371.8	357.2	345.8	336.2	329.8	323.0	316.6	313.9	313.0
27.5°	364.0	359.9	354.0	340.3	329.8	319.4	313.4	308.9	302.0	298.9	296.1
30°	350.8	342.6	335.8	324.8	314.3	303.0	297.5	292.0	287.9	283.8	280.6
32.5°	333.0	326.7	321.2	310.2	299.8	289.3	283.4	275.2	272.9	269.7	266.1
35°	315.7	311.6	305.7	293.8	282.5	275.2	268.8	261.0	258.3	256.0	252.8
37.5°	299.3	293.4	289.3	277.9	267.9	259.2	254.2	247.8	246.0	243.3	241.0
40°	285.2	279.3	275.2	263.8	253.3	244.2	241.0	234.6	231.9	228.7	227.3
42.5°	269.2	264.2	258.8	250.6	239.6	230.5	224.1	220.5	216.9	215.5	212.8
45°	252.4	247.8	243.7	234.6	223.2	216.9	211.4	206.4	203.6	201.4	199.5
47.5°	237.8	233.7	228.2	218.2	209.1	203.2	197.7	192.7	190.0	187.2	185.0
50°	221.0	218.7	212.8	203.2	194.5	187.7	182.7	178.1	176.3	173.1	169.5
52.5°	205.9	201.8	196.8	189.1	181.3	173.1	166.3	163.6	160.4	158.5	155.4
55°	188.2	185.4	180.0	173.1	164.9	158.1	153.1	149.4	145.3	143.5	139.4
57.5°	173.1	168.1	165.4	156.7	149.0	142.1	138.5	134.9	130.3	127.6	125.7
60°	156.7	152.2	148.1	140.8	135.3	128.0	122.6	119.4	116.2	112.5	110.7
62.5°	140.8	137.1	132.1	126.2	119.4	113.4	109.3	104.8	103.0	99.3	97.9
65°	123.5	120.7	116.6	109.8	104.3	99.3	95.2	91.6	89.7	88.4	87.5
67.5°	108.0	104.3	101.6	95.7	89.7	85.6	83.4	81.1	78.8	77.4	76.1
70°	92.0	89.3	86.6	81.1	77.0	73.3	71.5	69.7	68.3	67.0	65.6
72.5°	75.6	74.3	71.5	67.9	64.7	62.0	60.6	58.3	56.9	54.7	53.8
75°	62.4	60.1	58.8	55.6	52.8	50.6	48.7	46.0	44.2	43.3	42.8
77.5°	49.2	48.3	46.5	43.7	42.4	40.1	37.4	36.4	35.5	35.5	35.1
80°	36.9	35.5	34.2	31.9	30.5	28.7	28.7	28.7	28.2	28.7	28.2
82.5°	25.1	24.1	23.2	21.9	21.4	21.4	21.9	21.9	21.9	21.9	21.9
85°	14.6	14.6	14.6	15.0	14.6	14.6	15.0	15.5	15.0	15.0	14.6
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°	10.2	11.3	12.8	15.7	18.7	21.6	24.6	25.5	26.4	27.3	28.2
92.5°	18.1	17.4	18.4	20.5	22.5	24.6	26.6	28.2	29.8	31.4	33.0
95°	25.2	20.5	21.7	24.2	26.7	29.2	31.7	33.3	34.9	36.5	38.1
97.5°	88.1	84.9	79.1	67.5	55.9	44.3	32.7	34.5	36.3	38.2	40.0
100°	191.1	193.4	175.7	140.2	104.7	69.3	33.8	35.6	37.4	39.2	41.0
102.5°	252.2	253.7	233.9	194.4	154.8	115.3	75.7	68.2	60.7	53.2	45.7
105°	314.9	316.1	305.9	285.4	265.0	244.5	224.1	183.9	143.6	103.4	63.1
107.5°	381.6	382.6	384.3	387.7	391.2	394.6	398.0	363.0	328.0	292.9	257.9
110°	449.3	450.2	451.4	453.9	456.4	458.9	461.4	453.9	446.4	438.9	431.4

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	513.8	514.6	515.9	518.4	520.9	523.4	525.9	527.9	530.0	532.0	534.1
115°	577.4	578.1	579.1	581.2	583.2	585.3	587.3	589.6	591.8	594.1	596.4
117.5°	641.7	642.5	643.1	644.2	645.3	646.5	647.6	649.4	651.2	653.1	654.9
120°	701.9	702.9	703.2	703.9	704.6	705.3	706.0	707.8	709.6	711.4	713.2
122.5°	759.4	760.2	760.7	761.6	762.5	763.4	764.3	765.4	766.6	767.7	768.8
125°	813.5	814.4	814.9	815.8	816.7	817.6	818.5	818.9	819.4	819.8	820.3
127.5°	866.7	867.6	868.2	869.3	870.4	871.6	872.7	873.4	874.1	874.8	875.5
130°	915.8	916.7	917.2	918.1	919.0	919.9	920.8	921.7	922.6	923.5	924.4
132.5°	962.9	963.8	964.1	964.8	965.5	966.1	966.8	967.7	968.6	969.5	970.4
135°	1009.1	1009.8	1010.3	1011.2	1012.1	1013.0	1013.9	1014.6	1015.3	1016.0	1016.7
137.5°	1051.9	1052.8	1053.0	1053.5	1053.9	1054.4	1054.8	1055.9	1057.1	1058.2	1059.3
140°	1091.0	1091.7	1092.0	1092.7	1093.4	1094.0	1094.7	1095.6	1096.5	1097.4	1098.3
142.5°	1128.8	1129.5	1129.8	1130.5	1131.2	1131.9	1132.6	1133.3	1134.0	1134.7	1135.4
145°	1164.5	1165.3	1165.5	1166.0	1166.5	1166.9	1167.4	1167.8	1168.3	1168.7	1169.2
147.5°	1196.4	1197.0	1197.2	1197.7	1198.2	1198.6	1199.1	1199.5	1200.0	1200.4	1200.9
150°	1225.4	1225.7	1225.9	1226.4	1226.8	1227.3	1227.7	1228.2	1228.6	1229.1	1229.6
152.5°	1251.2	1251.3	1251.4	1251.6	1251.9	1252.1	1252.3	1253.2	1254.1	1255.0	1255.9
155°	1274.0	1273.8	1273.9	1274.1	1274.4	1274.6	1274.8	1275.9	1277.1	1278.2	1279.3
157.5°	1296.3	1296.3	1296.2	1296.0	1295.7	1295.5	1295.3	1296.7	1298.0	1299.4	1300.7
160°	1313.8	1313.7	1313.6	1313.4	1313.1	1312.9	1312.7	1314.1	1315.4	1316.8	1318.1
162.5°	1329.3	1329.0	1328.9	1328.7	1328.4	1328.2	1328.0	1329.6	1331.2	1332.8	1334.4
165°	1342.6	1342.3	1342.2	1342.0	1341.7	1341.5	1341.3	1343.1	1344.9	1346.8	1348.6
167.5°	1353.1	1352.6	1352.6	1352.6	1352.6	1352.6	1352.6	1354.4	1356.2	1358.0	1359.8
170°	1362.3	1361.8	1361.8	1361.8	1361.8	1361.8	1361.8	1363.6	1365.4	1367.3	1369.1
172.5°	1367.5	1366.9	1367.0	1367.2	1367.5	1367.7	1367.9	1369.7	1371.5	1373.4	1375.2
175°	1372.6	1372.0	1372.1	1372.3	1372.6	1372.8	1373.0	1374.6	1376.2	1377.8	1379.4
177.5°	1374.6	1374.0	1374.1	1374.4	1374.6	1374.9	1375.1	1376.9	1378.7	1380.6	1382.4
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	503.0	503.4	502.0	499.3	498.9	499.8	502.5	501.6	499.3	503.4	499.8
5°	475.2	472.9	472.0	472.9	470.2	468.8	471.5	470.2	471.5	472.0	473.3
7.5°	448.3	448.7	446.0	446.5	442.8	443.7	443.7	443.7	445.1	446.0	447.8
10°	425.1	426.0	422.8	423.2	420.5	418.7	420.0	422.8	422.8	422.8	423.7
12.5°	406.4	402.3	400.0	399.5	396.4	395.4	398.2	399.1	401.4	401.4	402.7
15°	383.1	382.2	380.4	380.4	372.7	374.5	375.4	378.6	383.1	379.5	380.4
17.5°	362.2	359.9	357.6	356.7	355.8	353.1	356.7	356.3	359.0	359.5	360.8
20°	343.5	341.7	337.1	337.6	338.5	334.4	336.7	336.7	339.4	342.1	345.3
22.5°	325.3	323.5	321.2	322.1	319.4	318.4	318.4	320.7	323.9	326.2	325.7
25°	311.2	308.0	306.6	305.2	303.9	304.8	303.4	305.7	308.0	309.3	308.0
27.5°	295.2	293.8	291.1	289.7	287.5	288.4	289.3	291.1	292.5	292.5	293.8
30°	279.7	277.9	277.0	275.6	275.6	273.8	274.3	276.1	277.4	278.8	280.6
32.5°	264.7	263.3	262.0	262.0	261.0	260.6	260.1	262.9	262.9	265.6	265.6
35°	252.4	250.1	250.1	247.8	248.7	248.3	247.4	249.2	249.7	251.5	251.0
37.5°	238.7	238.7	237.8	235.5	233.7	234.2	236.4	236.4	237.8	237.4	238.7
40°	225.1	224.1	224.1	222.8	222.3	221.9	222.3	222.8	225.1	224.6	225.1
42.5°	211.4	211.8	209.6	209.6	209.6	208.2	208.7	209.1	210.0	210.9	212.3
45°	198.2	197.3	196.8	195.9	195.0	195.4	195.0	196.8	196.4	197.3	198.6
47.5°	184.1	182.7	182.2	180.4	180.4	181.3	180.9	182.2	182.7	184.1	183.1
50°	170.4	168.6	167.2	167.7	164.9	165.8	165.8	167.2	168.6	169.0	169.9
52.5°	154.4	154.0	153.5	151.3	150.8	150.3	150.8	151.3	153.1	154.4	154.9
55°	139.0	138.5	135.8	134.9	133.5	133.5	134.4	134.9	138.0	138.5	140.3
57.5°	124.8	123.5	120.3	119.8	119.8	119.8	118.5	120.3	121.2	123.5	123.5
60°	109.3	109.3	106.6	106.6	107.1	106.6	106.6	107.1	107.1	108.9	109.8
62.5°	97.0	96.6	96.6	95.7	95.2	95.7	95.2	95.2	95.7	97.0	98.4
65°	86.1	85.6	85.2	84.7	83.8	83.8	84.3	85.2	85.2	86.1	86.6
67.5°	75.6	75.6	74.7	74.7	74.3	73.8	74.3	73.8	75.6	75.6	76.1
70°	65.1	64.7	63.3	62.9	61.5	62.0	62.0	63.3	63.8	64.7	65.6
72.5°	52.4	52.4	51.5	50.6	51.0	50.1	50.1	50.6	50.6	51.9	52.4
75°	43.3	42.4	41.9	42.4	41.9	42.8	41.9	41.9	42.8	42.8	42.8
77.5°	35.5	35.5	35.1	35.1	35.5	35.1	35.5	35.5	35.5	35.1	35.5
80°	29.2	28.7	28.7	28.7	28.2	28.2	28.2	28.2	28.2	28.2	28.2
82.5°	21.9	21.9	21.4	21.9	21.9	21.4	21.9	21.4	21.4	21.9	21.9
85°	14.6	15.5	14.6	14.6	15.0	15.0	15.5	15.0	15.5	14.6	15.0
87.5°	7.7	8.2	8.2	7.7	7.7	8.2	8.2	8.2	8.7	7.7	8.2
90°	28.6	28.8	29.3	29.8	30.2	30.7	30.2	29.8	29.3	28.8	28.6
92.5°	33.8	33.9	34.1	34.4	34.6	34.8	34.6	34.4	34.1	33.9	33.8
95°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
97.5°	40.9	41.0	41.2	41.5	41.7	41.9	41.7	41.5	41.2	41.0	40.9
100°	41.9	42.0	42.3	42.5	42.8	43.0	42.8	42.5	42.3	42.0	41.9
102.5°	41.9	42.1	42.6	43.1	43.5	44.0	43.5	43.1	42.6	42.1	41.9
105°	43.0	43.2	43.7	44.1	44.6	45.0	44.6	44.1	43.7	43.2	43.0
107.5°	240.4	225.5	195.7	166.0	136.2	106.4	136.2	166.0	195.7	225.5	240.4
110°	427.7	411.4	378.9	346.4	313.9	281.4	313.9	346.4	378.9	411.4	427.7

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	535.1	534.9	534.4	533.9	533.5	533.0	533.5	533.9	534.4	534.9	535.1
115°	597.5	598.0	598.9	599.8	600.7	601.6	600.7	599.8	598.9	598.0	597.5
117.5°	655.8	655.9	656.1	656.4	656.6	656.8	656.6	656.4	656.1	655.9	655.8
120°	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1	714.1
122.5°	769.4	769.5	769.7	770.0	770.2	770.4	770.2	770.0	769.7	769.5	769.4
125°	820.5	820.7	821.2	821.7	822.1	822.6	822.1	821.7	821.2	820.7	820.5
127.5°	875.8	875.6	875.1	874.6	874.2	873.7	874.2	874.6	875.1	875.6	875.8
130°	924.9	924.7	924.2	923.8	923.3	922.9	923.3	923.8	924.2	924.7	924.9
132.5°	970.9	970.6	969.9	969.2	968.6	967.9	968.6	969.2	969.9	970.6	970.9
135°	1017.0	1016.7	1016.0	1015.3	1014.6	1013.9	1014.6	1015.3	1016.0	1016.7	1017.0
137.5°	1059.9	1059.7	1059.2	1058.8	1058.3	1057.9	1058.3	1058.8	1059.2	1059.7	1059.9
140°	1098.8	1098.6	1098.1	1097.7	1097.2	1096.8	1097.2	1097.7	1098.1	1098.6	1098.8
142.5°	1135.7	1135.4	1134.7	1134.0	1133.3	1132.6	1133.3	1134.0	1134.7	1135.4	1135.7
145°	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4	1169.4
147.5°	1201.1	1200.5	1199.4	1198.3	1197.1	1196.0	1197.1	1198.3	1199.4	1200.5	1201.1
150°	1229.8	1229.5	1228.8	1228.1	1227.4	1226.7	1227.4	1228.1	1228.8	1229.5	1229.8
152.5°	1256.4	1255.8	1254.7	1253.6	1252.4	1251.3	1252.4	1253.6	1254.7	1255.8	1256.4
155°	1279.9	1279.2	1277.9	1276.5	1275.2	1273.8	1275.2	1276.5	1277.9	1279.2	1279.9
157.5°	1301.4	1300.5	1298.7	1296.8	1295.0	1293.2	1295.0	1296.8	1298.7	1300.5	1301.4
160°	1318.8	1318.0	1316.4	1314.8	1313.2	1311.6	1313.2	1314.8	1316.4	1318.0	1318.8
162.5°	1335.2	1334.5	1333.1	1331.8	1330.4	1329.0	1330.4	1331.8	1333.1	1334.5	1335.2
165°	1349.5	1348.7	1347.1	1345.5	1343.9	1342.3	1343.9	1345.5	1347.1	1348.7	1349.5
167.5°	1360.7	1359.8	1358.0	1356.2	1354.4	1352.6	1354.4	1356.2	1358.0	1359.8	1360.7
170°	1370.0	1369.1	1367.3	1365.4	1363.6	1361.8	1363.6	1365.4	1367.3	1369.1	1370.0
172.5°	1376.1	1375.1	1373.0	1371.0	1368.9	1366.9	1368.9	1371.0	1373.0	1375.1	1376.1
175°	1380.2	1379.3	1377.5	1375.6	1373.8	1372.0	1373.8	1375.6	1377.5	1379.3	1380.2
177.5°	1383.3	1382.2	1379.9	1377.6	1375.3	1373.0	1375.3	1377.6	1379.9	1382.2	1383.3
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	503.4	505.2	503.4	499.8	503.4	505.7	508.0	511.6	513.4	513.4	516.2
5°	474.7	478.4	477.0	476.1	479.7	482.0	485.6	490.2	495.2	498.4	502.0
7.5°	449.2	451.5	453.8	453.8	457.4	462.4	467.9	473.3	479.7	484.3	487.0
10°	426.9	428.7	430.1	431.9	437.4	442.8	450.1	456.9	462.4	467.4	472.0
12.5°	405.5	408.2	411.4	412.8	416.9	423.7	430.5	438.7	447.4	452.4	456.9
15°	385.0	386.3	390.0	394.1	397.7	405.0	413.7	422.3	429.6	437.4	441.5
17.5°	364.0	364.5	374.0	371.8	383.6	390.4	395.0	403.2	415.0	421.4	427.8
20°	343.5	348.1	352.2	354.4	360.8	368.6	381.8	388.2	397.7	403.6	409.1
22.5°	327.6	334.4	334.4	339.9	343.1	350.3	359.9	372.2	382.7	386.8	394.5
25°	313.4	316.6	322.1	323.9	329.8	336.2	342.6	355.8	367.2	372.7	378.1
27.5°	295.2	299.3	306.6	306.6	314.3	321.2	328.9	337.6	349.0	356.7	362.6
30°	281.1	285.2	288.4	293.4	296.6	303.0	316.6	323.0	333.0	339.9	347.2
32.5°	267.9	271.1	273.8	279.3	282.9	290.2	297.5	308.9	317.5	323.9	331.7
35°	253.3	256.5	260.1	264.2	269.7	276.5	283.4	292.9	301.6	307.5	313.9
37.5°	239.6	241.9	247.4	250.1	254.7	261.0	269.7	279.7	287.5	292.0	298.4
40°	226.4	228.2	232.3	237.4	240.5	245.6	254.7	263.3	272.9	278.4	283.4
42.5°	212.3	214.6	218.2	223.2	228.2	233.7	238.7	248.7	257.4	262.0	267.4
45°	200.0	201.4	204.1	209.1	214.1	218.2	226.0	235.1	243.3	246.9	252.8
47.5°	185.4	186.8	190.9	193.2	198.6	204.1	211.8	221.0	228.2	231.9	237.4
50°	170.4	171.8	174.5	179.5	183.1	189.1	195.9	203.6	212.8	217.8	221.0
52.5°	155.8	158.5	160.8	164.9	169.5	175.4	181.8	189.1	196.8	201.8	205.5
55°	141.2	143.5	146.2	148.5	154.0	159.5	166.7	173.6	180.4	185.0	189.1
57.5°	124.8	128.0	130.8	135.3	139.4	144.0	152.2	157.6	165.8	169.0	172.7
60°	110.7	113.9	116.2	119.8	123.5	129.4	134.9	141.7	148.5	152.6	157.2
62.5°	98.9	100.2	101.6	105.2	108.9	114.4	119.8	126.7	133.9	136.2	139.9
65°	87.0	88.4	90.7	93.8	96.6	99.8	105.7	111.2	118.0	121.6	123.0
67.5°	77.0	78.4	78.8	81.1	83.4	87.0	90.2	95.7	102.0	104.3	107.1
70°	65.6	67.9	68.3	70.2	71.1	73.3	77.0	81.1	86.1	90.2	92.5
72.5°	52.4	55.6	56.5	59.2	60.6	62.9	65.6	68.8	72.0	73.8	75.6
75°	42.8	43.7	44.2	46.5	48.7	51.9	53.3	55.1	57.9	60.1	62.0
77.5°	35.5	36.0	36.4	36.4	36.9	38.7	41.5	43.7	45.6	46.5	47.8
80°	28.7	28.2	28.2	28.7	28.7	28.7	29.6	32.8	33.7	36.0	35.5
82.5°	22.3	21.4	21.9	21.4	21.4	21.4	21.4	21.9	21.9	23.2	24.1
85°	14.6	15.0	14.6	14.6	14.1	14.6	14.1	14.1	13.7	13.7	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°	28.2	27.3	26.4	25.5	24.6	21.6	18.7	15.7	12.8	11.3	10.2
92.5°	33.0	31.4	29.8	28.2	26.6	24.6	22.5	20.5	18.4	17.4	18.1
95°	38.1	36.5	34.9	33.3	31.7	29.2	26.7	24.2	21.7	20.5	25.2
97.5°	40.0	38.2	36.3	34.5	32.7	44.3	55.9	67.5	79.1	84.9	88.1
100°	41.0	39.2	37.4	35.6	33.8	69.3	104.7	140.2	175.7	193.4	191.1
102.5°	45.7	53.2	60.7	68.2	75.7	115.3	154.8	194.4	233.9	253.7	252.2
105°	63.1	103.4	143.6	183.9	224.1	244.5	265.0	285.4	305.9	316.1	314.9
107.5°	257.9	292.9	328.0	363.0	398.0	394.6	391.2	387.7	384.3	382.6	381.6
110°	431.4	438.9	446.4	453.9	461.4	458.9	456.4	453.9	451.4	450.2	449.3

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	534.1	532.0	530.0	527.9	525.9	523.4	520.9	518.4	515.9	514.6	513.8
115°	596.4	594.1	591.8	589.6	587.3	585.3	583.2	581.2	579.1	578.1	577.4
117.5°	654.9	653.1	651.2	649.4	647.6	646.5	645.3	644.2	643.1	642.5	641.7
120°	713.2	711.4	709.6	707.8	706.0	705.3	704.6	703.9	703.2	702.9	701.9
122.5°	768.8	767.7	766.6	765.4	764.3	763.4	762.5	761.6	760.7	760.2	759.4
125°	820.3	819.8	819.4	818.9	818.5	817.6	816.7	815.8	814.9	814.4	813.5
127.5°	875.5	874.8	874.1	873.4	872.7	871.6	870.4	869.3	868.2	867.6	866.7
130°	924.4	923.5	922.6	921.7	920.8	919.9	919.0	918.1	917.2	916.7	915.8
132.5°	970.4	969.5	968.6	967.7	966.8	966.1	965.5	964.8	964.1	963.8	962.9
135°	1016.7	1016.0	1015.3	1014.6	1013.9	1013.0	1012.1	1011.2	1010.3	1009.8	1009.1
137.5°	1059.3	1058.2	1057.1	1055.9	1054.8	1054.4	1053.9	1053.5	1053.0	1052.8	1051.9
140°	1098.3	1097.4	1096.5	1095.6	1094.7	1094.0	1093.4	1092.7	1092.0	1091.7	1091.0
142.5°	1135.4	1134.7	1134.0	1133.3	1132.6	1131.9	1131.2	1130.5	1129.8	1129.5	1128.8
145°	1169.2	1168.7	1168.3	1167.8	1167.4	1166.9	1166.5	1166.0	1165.5	1165.3	1164.5
147.5°	1200.9	1200.4	1200.0	1199.5	1199.1	1198.6	1198.2	1197.7	1197.2	1197.0	1196.4
150°	1229.6	1229.1	1228.6	1228.2	1227.7	1227.3	1226.8	1226.4	1225.9	1225.7	1225.4
152.5°	1255.9	1255.0	1254.1	1253.2	1252.3	1252.1	1251.9	1251.6	1251.4	1251.3	1251.2
155°	1279.3	1278.2	1277.1	1275.9	1274.8	1274.6	1274.4	1274.1	1273.9	1273.8	1274.0
157.5°	1300.7	1299.4	1298.0	1296.7	1295.3	1295.5	1295.7	1296.0	1296.2	1296.3	1296.3
160°	1318.1	1316.8	1315.4	1314.1	1312.7	1312.9	1313.1	1313.4	1313.6	1313.7	1313.8
162.5°	1334.4	1332.8	1331.2	1329.6	1328.0	1328.2	1328.4	1328.7	1328.9	1329.0	1329.3
165°	1348.6	1346.8	1344.9	1343.1	1341.3	1341.5	1341.7	1342.0	1342.2	1342.3	1342.6
167.5°	1359.8	1358.0	1356.2	1354.4	1352.6	1352.6	1352.6	1352.6	1352.6	1352.6	1353.1
170°	1369.1	1367.3	1365.4	1363.6	1361.8	1361.8	1361.8	1361.8	1361.8	1361.8	1362.3
172.5°	1375.2	1373.4	1371.5	1369.7	1367.9	1367.7	1367.5	1367.2	1367.0	1366.9	1367.5
175°	1379.4	1377.8	1376.2	1374.6	1373.0	1372.8	1372.6	1372.3	1372.1	1372.0	1372.6
177.5°	1382.4	1380.6	1378.7	1376.9	1375.1	1374.9	1374.6	1374.4	1374.1	1374.0	1374.6
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	532.1	532.1	532.1	532.1
2.5°	518.4	521.6	528.0	533.5
5°	507.5	512.5	522.1	531.7
7.5°	494.3	502.0	514.3	527.6
10°	481.5	491.6	506.6	522.1
12.5°	468.8	479.3	495.2	515.3
15°	453.8	464.7	483.8	508.0
17.5°	440.5	455.1	472.4	496.6
20°	426.4	437.4	459.7	485.2
22.5°	408.7	426.9	447.8	474.7
25°	394.5	410.5	431.4	462.0
27.5°	377.2	395.9	421.4	448.3
30°	363.1	378.6	402.3	434.6
32.5°	346.7	364.9	389.5	421.4
35°	332.1	347.6	370.8	403.2
37.5°	314.8	331.7	357.6	386.3
40°	299.8	316.2	340.8	367.7
42.5°	281.5	298.9	323.5	346.2
45°	267.0	282.9	302.5	323.5
47.5°	249.2	266.1	285.2	299.8
50°	233.3	248.7	263.8	276.1
52.5°	215.9	230.1	243.7	252.8
55°	200.0	210.9	221.9	228.2
57.5°	181.3	191.8	200.9	204.6
60°	164.9	173.6	179.5	183.6
62.5°	147.6	154.0	158.5	160.8
65°	130.8	135.3	137.6	139.9
67.5°	113.4	117.5	118.9	121.6
70°	95.2	99.8	100.7	102.0
72.5°	81.5	81.5	83.4	85.2
75°	65.1	66.1	67.0	67.0
77.5°	51.0	51.0	51.9	52.4
80°	37.4	37.8	37.8	37.4
82.5°	25.5	26.4	25.5	25.1
85°	14.1	15.9	15.0	15.0
87.5°	5.9	5.9	6.8	5.9
90°	7.9	5.6	3.3	1.0
92.5°	19.4	20.8	22.1	23.5
95°	34.5	43.8	53.1	62.4
97.5°	94.5	100.8	107.2	113.6
100°	186.6	182.0	177.5	172.9
102.5°	249.3	246.3	243.4	240.4
105°	312.4	309.9	307.4	304.9
107.5°	379.5	377.5	375.4	373.4
110°	447.5	445.6	443.8	442.0

TEST NUMBER: P1031117

CATALOG NUMBER: S123RDIW-B340D1030UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	512.2	510.7	509.1	507.5
115°	576.0	574.7	573.3	571.9
117.5°	640.1	638.6	637.0	635.4
120°	699.8	697.8	695.7	693.7
122.5°	757.8	756.2	754.6	753.0
125°	811.7	809.8	808.0	806.2
127.5°	864.9	863.0	861.2	859.4
130°	914.0	912.1	910.3	908.5
132.5°	961.1	959.2	957.4	955.6
135°	1007.8	1006.4	1005.1	1003.7
137.5°	1050.1	1048.2	1046.4	1044.6
140°	1089.6	1088.3	1086.9	1085.5
142.5°	1127.5	1126.1	1124.8	1123.4
145°	1162.9	1161.4	1159.8	1158.2
147.5°	1195.3	1194.2	1193.0	1191.9
150°	1224.7	1224.0	1223.3	1222.6
152.5°	1250.9	1250.7	1250.4	1250.2
155°	1274.5	1274.9	1275.4	1275.8
157.5°	1296.3	1296.3	1296.3	1296.3
160°	1314.0	1314.3	1314.5	1314.7
162.5°	1330.0	1330.7	1331.4	1332.1
165°	1343.3	1344.0	1344.7	1345.4
167.5°	1354.0	1354.9	1355.8	1356.7
170°	1363.2	1364.1	1365.0	1365.9
172.5°	1368.6	1369.7	1370.9	1372.0
175°	1373.7	1374.8	1376.0	1377.1
177.5°	1375.7	1376.9	1378.0	1379.2
180°	1377.1	1377.1	1377.1	1377.1

(END OF REPORT)