

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: P1010872

Luminaire Tested: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010872
REPORT IS A COMBINATION OF REPORTS P993128 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_4000K
Description: Define 3 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

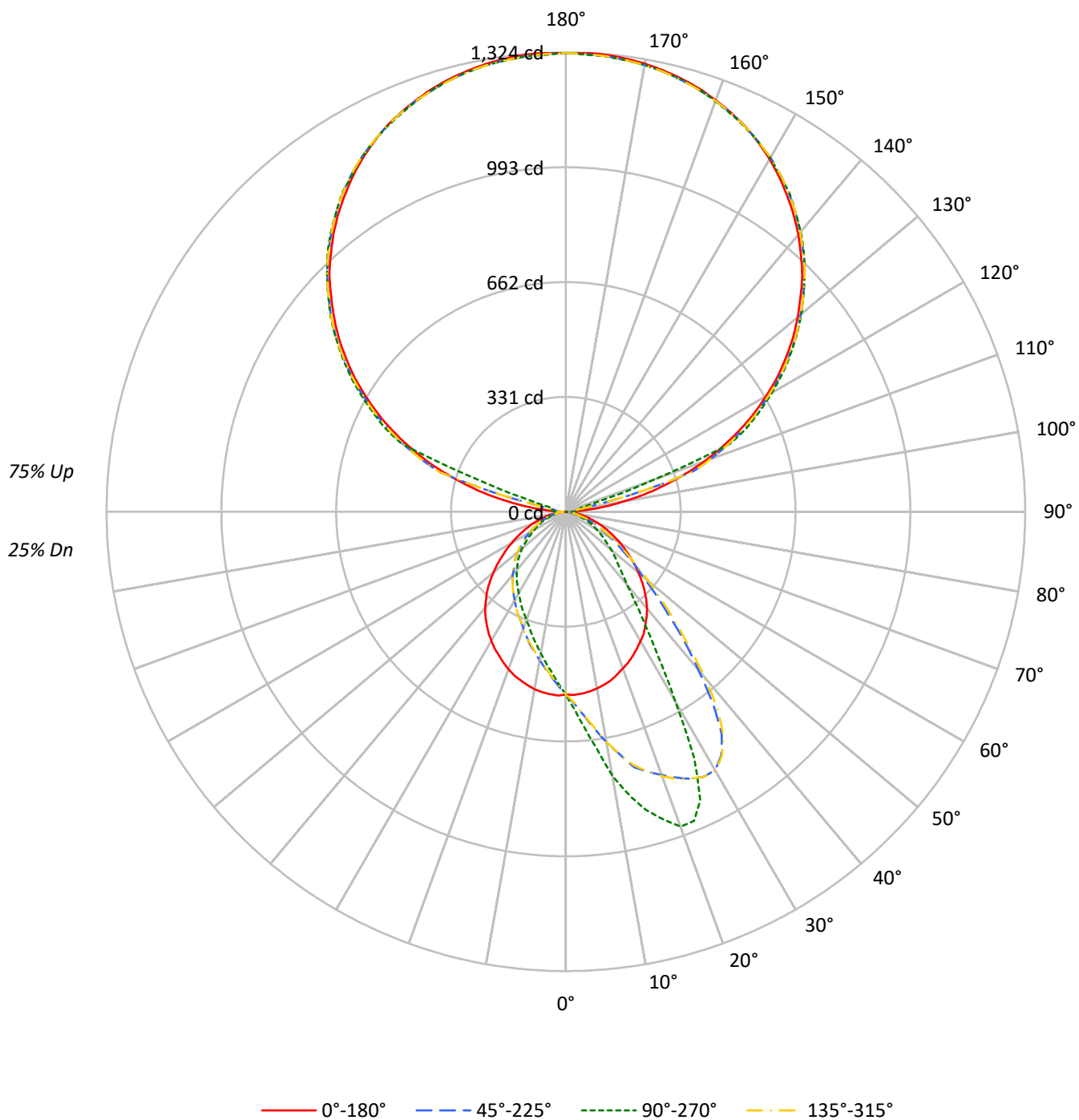
Lumens per Lamp: N/A
Luminaire Lumens: 5346.0 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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: P1010872

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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	29	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°	5672	5672	5672	5672
5°	5675	6532	5690	4846
10°	5626	7885	5650	4233
15°	5568	8949	5568	3732
20°	5453	9653	5484	3311
25°	5370	9171	5359	3021
30°	5273	6354	5262	2737
35°	5155	4079	5132	2524
40°	5010	2880	4985	2311
45°	4757	2305	4749	2104
50°	4446	1929	4431	1862
55°	4095	1590	4062	1579
60°	3751	1314	3714	1343
65°	3348	1052	3370	1138
70°	2974	730	3057	921
75°	2522	542	2625	707
80°	2009	358	2177	531
85°	1431	171	1556	330

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.0
10°-20°	162.0	3.0
20°-30°	255.1	4.8
30°-40°	265.3	5.0
40°-50°	226.9	4.2
50°-60°	173.0	3.2
60°-70°	110.9	2.1
70°-80°	53.1	1.0
80°-90°	16.6	0.3
90°-100°	46.6	0.9
100°-110°	225.5	4.2
110°-120°	552.5	10.3
120°-130°	701.4	13.1
130°-140°	749.3	14.0
140°-150°	700.6	13.1
150°-160°	565.1	10.6
160°-170°	364.7	6.8
170°-180°	125.7	2.4
0°-30°	468.8	8.8
0°-40°	734.1	13.7
0°-60°	1134.1	21.2
0°-90°	1314.6	24.6
90°-120°	824.6	15.4
90°-150°	2975.8	55.7
90°-180°	4031.0	75.4
0°-180°	5346.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	527	527	527	527	527	
5°	526	626	528	464	526	50
15°	503	889	503	371	503	141
25°	457	916	456	302	457	211
35°	399	397	397	246	399	250
45°	320	212	320	194	320	247
55°	226	133	224	132	226	203
65°	138	77	139	83	138	138
75°	66	32	69	42	66	72
85°	15	8	16	15	15	17
90°	1	30	1	30	1	4
95°	60	37	60	37	60	72
105°	293	43	293	43	293	310
115°	549	578	549	578	549	542
125°	774	790	774	790	774	692
135°	964	974	964	974	964	742
145°	1112	1123	1112	1123	1112	696
155°	1225	1223	1225	1223	1225	564
165°	1292	1289	1292	1289	1292	365
175°	1322	1318	1322	1318	1322	126
180°	1322	1322	1322	1322	1322	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	528.2	531.9	534.6	536.4	540.9	543.6	545.8	549.9	549.9	550.8	552.6
5°	526.4	534.1	539.5	546.7	556.2	560.7	567.0	572.5	580.1	584.2	588.2
7.5°	522.4	533.2	544.5	555.3	569.3	578.3	584.6	598.6	608.5	620.7	630.2
10°	517.0	531.9	546.3	563.0	581.9	595.5	604.9	623.4	642.4	659.5	674.0
12.5°	510.2	528.2	549.0	569.3	595.9	609.4	624.8	647.8	674.9	696.5	715.9
15°	503.0	523.7	547.2	572.0	605.4	624.3	646.4	674.4	704.6	735.8	762.4
17.5°	491.7	517.9	544.0	580.1	619.4	630.7	649.6	687.9	725.4	753.4	785.8
20°	480.4	509.8	542.7	575.2	617.6	643.7	661.3	701.9	742.1	775.9	807.0
22.5°	470.1	500.7	535.0	576.1	615.8	641.9	664.0	706.4	752.9	790.8	829.1
25°	457.4	490.8	528.7	567.5	615.8	635.6	660.0	709.1	758.3	802.1	849.4
27.5°	443.9	477.7	515.2	554.9	599.1	628.4	652.3	705.1	765.1	812.0	860.7
30°	430.4	465.1	501.2	536.8	586.4	614.4	641.9	700.1	768.7	822.4	859.8
32.5°	417.3	446.6	482.2	517.0	566.1	596.8	627.9	695.2	770.0	815.2	833.2
35°	399.2	429.9	458.8	495.8	545.4	575.6	612.2	694.7	764.2	792.1	783.1
37.5°	382.5	408.3	435.8	468.7	519.7	558.9	596.8	683.0	744.8	746.6	695.6
40°	364.0	385.2	408.3	443.0	498.0	536.8	577.9	664.9	709.6	683.0	593.2
42.5°	342.8	361.8	379.8	413.7	473.7	517.0	561.2	642.4	658.6	597.3	503.9
45°	320.3	335.6	352.3	388.0	448.0	490.8	535.0	607.6	591.0	504.3	415.5
47.5°	296.8	309.9	326.2	358.6	420.4	464.2	506.1	558.0	515.6	422.7	348.3
50°	273.4	283.7	299.5	332.9	392.5	432.2	471.0	504.8	445.2	362.7	287.8
52.5°	250.4	258.5	274.7	303.1	360.9	398.8	426.7	439.8	379.4	299.5	249.9
55°	226.0	235.0	245.9	274.7	332.0	360.0	378.5	378.0	315.8	254.0	206.6
57.5°	202.5	210.7	220.1	249.0	295.5	314.4	330.2	322.5	263.4	208.0	177.3
60°	181.8	186.3	196.7	221.0	256.2	272.5	281.5	268.4	215.2	175.5	146.6
62.5°	159.2	163.8	172.3	195.3	217.0	225.6	233.2	216.5	177.7	143.0	125.4
65°	138.5	144.4	149.8	168.3	180.0	190.4	189.5	175.5	138.9	116.4	102.0
67.5°	120.4	122.7	127.2	138.5	143.9	151.6	152.0	136.2	111.9	94.7	86.2
70°	101.0	103.3	106.5	111.9	115.5	117.3	116.4	102.4	84.4	74.0	66.3
72.5°	84.4	83.9	86.2	86.2	89.8	89.3	86.6	75.8	64.1	55.5	51.0
75°	66.3	66.8	67.2	66.3	65.0	63.2	60.9	52.8	45.1	41.1	37.0
77.5°	51.9	51.0	51.4	48.3	46.5	44.7	41.5	37.4	31.1	30.2	28.4
80°	37.0	36.5	36.1	34.7	30.7	28.9	26.6	24.4	23.0	22.1	21.7
82.5°	24.8	24.8	23.9	21.2	18.9	17.6	17.1	16.2	14.9	14.9	14.4
85°	14.9	14.4	13.5	10.8	9.5	9.5	9.5	9.5	8.6	8.6	8.1
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	7.5	9.7	10.8	12.2	15.1	17.9	20.8	23.6
92.5°	22.6	21.3	20.0	18.7	17.4	16.7	17.7	19.6	21.6	23.5	25.5
95°	59.9	50.9	42.0	33.0	24.1	19.6	20.8	23.2	25.7	28.1	30.5
97.5°	109.1	103.0	96.8	90.7	84.6	81.5	75.9	64.8	53.7	42.5	31.4
100°	166.0	170.4	174.8	179.1	183.5	185.7	168.7	134.6	100.5	66.5	32.4
102.5°	230.9	233.7	236.5	239.4	242.2	243.6	224.6	186.6	148.7	110.7	72.7
105°	292.8	295.2	297.6	300.0	302.4	303.6	293.8	274.1	254.5	234.8	215.2
107.5°	358.6	360.6	362.5	364.5	366.4	367.4	369.0	372.3	375.6	378.9	382.2
110°	424.4	426.2	427.9	429.7	431.4	432.3	433.5	435.9	438.3	440.7	443.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	487.3	488.8	490.4	491.9	493.4	494.2	495.4	497.8	500.2	502.6	505.0
115°	549.2	550.5	551.8	553.1	554.4	555.1	556.1	558.0	560.0	561.9	563.9
117.5°	610.1	611.6	613.2	614.7	616.2	617.0	617.5	618.6	619.7	620.8	621.9
120°	666.1	668.1	670.0	672.0	673.9	674.9	675.2	675.9	676.6	677.2	677.9
122.5°	723.1	724.6	726.2	727.7	729.2	730.0	730.4	731.3	732.2	733.0	733.9
125°	774.2	775.9	777.7	779.4	781.1	782.0	782.4	783.3	784.2	785.1	786.0
127.5°	825.3	827.0	828.8	830.5	832.2	833.1	833.6	834.7	835.8	836.9	838.0
130°	872.4	874.2	875.9	877.7	879.4	880.3	880.7	881.6	882.5	883.3	884.2
132.5°	917.6	919.4	921.1	922.9	924.6	925.5	925.8	926.5	927.1	927.8	928.4
135°	963.8	965.1	966.4	967.7	969.0	969.7	970.1	971.0	971.9	972.7	973.6
137.5°	1003.1	1004.8	1006.6	1008.3	1010.0	1010.9	1011.1	1011.6	1012.0	1012.5	1012.9
140°	1042.4	1043.7	1045.0	1046.3	1047.6	1048.3	1048.6	1049.3	1049.9	1050.6	1051.2
142.5°	1078.7	1080.0	1081.3	1082.6	1083.9	1084.6	1084.9	1085.6	1086.3	1086.9	1087.6
145°	1112.1	1113.6	1115.2	1116.7	1118.2	1119.0	1119.2	1119.7	1120.1	1120.6	1121.0
147.5°	1144.5	1145.6	1146.7	1147.8	1148.9	1149.5	1149.7	1150.1	1150.6	1151.0	1151.4
150°	1174.0	1174.7	1175.3	1176.0	1176.7	1177.0	1177.2	1177.6	1178.1	1178.5	1178.9
152.5°	1200.5	1200.7	1200.9	1201.2	1201.4	1201.5	1201.6	1201.8	1202.1	1202.3	1202.5
155°	1225.1	1224.7	1224.2	1223.8	1223.3	1223.1	1223.2	1223.4	1223.7	1223.9	1224.1
157.5°	1244.8	1244.8	1244.8	1244.8	1244.8	1244.8	1244.7	1244.5	1244.2	1244.0	1243.8
160°	1262.4	1262.2	1262.0	1261.8	1261.6	1261.5	1261.4	1261.2	1260.9	1260.7	1260.5
162.5°	1279.1	1278.5	1277.8	1277.2	1276.5	1276.2	1276.1	1275.9	1275.6	1275.4	1275.2
165°	1291.9	1291.3	1290.6	1290.0	1289.3	1289.0	1288.9	1288.7	1288.4	1288.2	1288.0
167.5°	1302.7	1301.8	1301.0	1300.1	1299.2	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8
170°	1311.6	1310.7	1309.8	1308.9	1308.0	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6
172.5°	1317.5	1316.4	1315.3	1314.2	1313.1	1312.5	1312.6	1312.8	1313.1	1313.3	1313.5
175°	1322.4	1321.3	1320.2	1319.1	1318.0	1317.5	1317.6	1317.8	1318.0	1318.2	1318.4
177.5°	1324.3	1323.2	1322.1	1321.0	1319.9	1319.4	1319.5	1319.7	1320.0	1320.2	1320.4
180°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	556.2	556.2	560.3	564.3	562.1	563.4	568.4	566.6	570.2	569.8	571.1
5°	598.2	603.1	607.2	615.8	617.1	615.8	624.3	626.6	630.7	625.7	627.9
7.5°	645.5	655.9	665.8	678.5	682.5	683.4	687.9	694.3	699.7	689.7	694.7
10°	691.6	707.3	727.6	738.9	748.8	752.5	756.1	760.1	766.4	772.3	767.8
12.5°	741.2	764.2	783.6	803.9	816.1	814.7	825.1	827.8	832.7	834.1	835.9
15°	781.8	814.3	826.4	856.7	859.4	868.4	880.1	890.5	891.8	889.1	889.1
17.5°	820.6	848.5	870.2	894.6	899.5	907.2	922.1	927.0	928.8	928.4	928.4
20°	852.1	870.6	907.2	927.5	935.6	945.5	955.9	962.2	963.6	965.4	962.7
22.5°	872.9	900.9	930.6	947.3	954.1	957.7	964.5	966.3	964.0	964.5	964.9
25°	889.1	916.7	934.7	939.2	938.8	934.2	929.3	920.7	919.8	916.2	909.0
27.5°	893.6	904.0	901.8	883.3	864.8	863.0	833.2	817.0	798.5	801.2	790.8
30°	869.3	855.8	823.7	776.8	757.4	725.8	692.5	657.7	644.2	629.3	656.8
32.5°	809.7	761.5	704.6	643.7	611.3	583.3	547.6	522.4	507.9	495.8	519.2
35°	720.0	644.6	569.3	511.6	484.9	459.7	426.3	413.7	395.6	397.4	399.7
37.5°	604.5	521.5	464.6	407.8	390.2	379.8	355.5	336.1	329.8	328.0	328.0
40°	496.2	428.1	377.6	332.9	319.4	310.8	291.4	282.4	275.6	273.8	276.1
42.5°	410.5	352.3	313.1	283.3	273.8	263.0	254.9	243.6	242.2	239.1	243.1
45°	344.6	294.1	264.8	243.1	235.0	231.0	221.9	215.2	212.5	212.0	215.2
47.5°	292.3	253.1	227.4	213.8	207.5	203.5	195.8	193.1	190.4	191.3	189.9
50°	245.4	216.1	199.4	187.2	183.2	179.1	174.1	171.4	170.1	170.1	169.6
52.5°	210.7	186.3	175.5	164.2	162.4	160.1	154.7	152.9	150.7	150.2	152.0
55°	180.4	163.8	152.9	146.2	144.4	139.8	137.6	135.3	134.0	133.1	133.5
57.5°	154.3	141.6	134.4	128.6	125.4	123.6	119.5	119.1	118.2	118.2	117.7
60°	132.6	123.6	115.0	111.4	109.2	106.9	106.5	103.8	102.4	103.3	102.9
62.5°	112.3	105.1	100.1	96.1	94.7	92.9	91.6	90.7	89.3	89.8	89.8
65°	93.8	88.0	84.4	80.7	80.3	78.5	78.0	77.1	77.1	76.7	77.6
67.5°	77.1	73.1	69.9	67.7	66.3	66.8	65.0	63.6	63.6	63.2	64.5
70°	61.4	59.1	55.9	53.2	51.4	51.4	49.2	48.7	48.7	48.7	48.3
72.5°	47.4	43.3	42.0	41.1	41.1	41.1	40.1	40.1	39.7	40.1	39.7
75°	35.2	34.7	33.8	33.4	33.4	32.9	32.5	32.5	32.5	32.5	32.5
77.5°	27.5	27.5	26.6	26.2	26.2	26.2	25.7	25.7	25.3	25.3	25.3
80°	20.3	20.3	19.4	19.4	19.4	18.9	18.9	18.9	19.4	18.9	18.9
82.5°	14.0	14.0	13.5	14.0	13.5	13.1	13.1	13.1	12.6	13.1	13.1
85°	8.1	8.1	7.7	7.2	7.7	7.7	7.2	7.7	7.2	7.7	7.2
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°	24.5	25.3	26.2	27.1	27.5	27.7	28.2	28.6	29.1	29.5	29.1
92.5°	27.0	28.6	30.1	31.6	32.4	32.5	32.7	33.0	33.2	33.4	33.2
95°	32.0	33.5	35.0	36.5	37.3	37.3	37.3	37.3	37.3	37.3	37.3
97.5°	33.2	34.9	36.7	38.4	39.3	39.4	39.6	39.9	40.1	40.3	40.1
100°	34.2	35.9	37.7	39.4	40.3	40.4	40.6	40.9	41.1	41.3	41.1
102.5°	65.5	58.3	51.1	43.9	40.3	40.5	40.9	41.4	41.8	42.2	41.8
105°	176.6	137.9	99.3	60.6	41.3	41.5	41.9	42.4	42.8	43.2	42.8
107.5°	348.6	315.0	281.3	247.7	230.9	216.6	188.0	159.4	130.8	102.2	130.8
110°	435.9	428.7	421.5	414.3	410.7	395.1	363.9	332.6	301.4	270.2	301.4

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	507.0	508.9	510.9	512.8	513.8	513.6	513.2	512.7	512.3	511.9	512.3
115°	566.1	568.3	570.4	572.6	573.7	574.1	575.0	575.9	576.8	577.7	576.8
117.5°	623.6	625.4	627.1	628.8	629.7	629.8	630.0	630.3	630.5	630.7	630.5
120°	679.6	681.4	683.1	684.8	685.7	685.7	685.7	685.7	685.7	685.7	685.7
122.5°	735.0	736.1	737.2	738.3	738.8	738.9	739.1	739.4	739.6	739.8	739.6
125°	786.4	786.8	787.3	787.7	787.9	788.1	788.6	789.0	789.5	789.9	789.5
127.5°	838.7	839.3	840.0	840.7	841.0	840.8	840.3	839.9	839.4	839.0	839.4
130°	885.1	885.9	886.8	887.7	888.1	887.9	887.5	887.0	886.6	886.2	886.6
132.5°	929.3	930.1	931.0	931.9	932.3	932.0	931.3	930.7	930.0	929.4	930.0
135°	974.3	974.9	975.6	976.3	976.6	976.3	975.6	974.9	974.3	973.6	974.3
137.5°	1014.0	1015.1	1016.2	1017.3	1017.8	1017.6	1017.1	1016.7	1016.2	1015.8	1016.2
140°	1052.1	1052.9	1053.8	1054.7	1055.1	1054.9	1054.5	1054.0	1053.6	1053.2	1053.6
142.5°	1088.2	1088.9	1089.5	1090.2	1090.5	1090.2	1089.5	1088.9	1088.2	1087.6	1088.2
145°	1121.4	1121.8	1122.3	1122.7	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
147.5°	1151.8	1152.3	1152.7	1153.2	1153.4	1152.9	1151.8	1150.7	1149.6	1148.5	1149.6
150°	1179.3	1179.8	1180.2	1180.7	1180.9	1180.6	1179.9	1179.3	1178.6	1178.0	1178.6
152.5°	1203.4	1204.2	1205.1	1206.0	1206.4	1205.9	1204.8	1203.7	1202.6	1201.5	1202.6
155°	1225.2	1226.3	1227.4	1228.5	1229.0	1228.3	1227.0	1225.7	1224.4	1223.1	1224.4
157.5°	1245.1	1246.4	1247.7	1249.0	1249.7	1248.8	1247.1	1245.3	1243.6	1241.8	1243.6
160°	1261.8	1263.1	1264.4	1265.7	1266.4	1265.6	1264.1	1262.6	1261.0	1259.5	1261.0
162.5°	1276.7	1278.3	1279.8	1281.3	1282.1	1281.4	1280.1	1278.8	1277.5	1276.2	1277.5
165°	1289.7	1291.5	1293.2	1294.9	1295.8	1295.0	1293.5	1292.0	1290.5	1289.0	1290.5
167.5°	1300.6	1302.3	1304.1	1305.8	1306.7	1305.8	1304.1	1302.3	1300.6	1298.8	1300.6
170°	1309.4	1311.1	1312.9	1314.6	1315.5	1314.6	1312.9	1311.1	1309.4	1307.6	1309.4
172.5°	1315.3	1317.0	1318.8	1320.5	1321.4	1320.4	1318.4	1316.5	1314.5	1312.5	1314.5
175°	1319.9	1321.5	1323.0	1324.5	1325.3	1324.4	1322.7	1321.0	1319.2	1317.5	1319.2
177.5°	1322.2	1323.9	1325.7	1327.4	1328.3	1327.2	1325.0	1322.8	1320.6	1318.4	1320.6
180°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	568.8	566.1	564.3	563.0	561.6	565.7	560.3	554.4	550.4	547.6	546.7
5°	628.4	622.5	617.6	613.5	614.4	614.4	604.9	594.6	585.5	580.6	575.2
7.5°	697.4	691.1	681.2	678.9	677.1	665.8	656.4	637.4	626.1	614.9	604.9
10°	766.0	757.9	748.4	745.2	740.7	726.7	712.3	687.9	674.0	653.2	640.1
12.5°	830.0	820.1	810.6	808.4	801.6	789.4	764.6	739.4	715.5	693.4	670.3
15°	883.7	881.0	866.6	857.6	842.7	826.0	820.6	786.3	756.1	733.1	691.6
17.5°	928.8	916.2	902.7	896.8	890.9	871.5	852.1	817.0	784.5	750.6	724.0
20°	964.9	950.9	941.5	932.9	930.2	908.1	877.4	846.3	810.6	772.8	738.0
22.5°	966.7	964.9	958.6	953.6	948.2	933.8	909.4	870.6	832.7	791.2	745.7
25°	929.3	926.6	944.6	940.1	943.7	938.3	925.2	892.7	848.5	799.8	753.8
27.5°	816.5	844.0	872.4	882.4	889.1	908.5	914.9	896.8	861.2	809.3	757.9
30°	663.1	699.7	745.7	770.5	789.4	825.5	872.4	878.3	861.6	820.1	757.0
32.5°	520.6	554.0	591.0	620.3	645.5	719.5	782.7	828.2	836.4	814.7	759.2
35°	419.5	434.0	469.2	497.1	531.4	594.6	669.0	742.5	792.1	794.9	752.5
37.5°	346.0	353.7	384.3	400.1	420.4	475.9	545.4	641.5	718.6	755.2	733.5
40°	286.5	304.0	321.6	330.7	345.1	383.4	450.2	525.5	621.2	688.8	704.2
42.5°	248.6	256.2	267.5	280.1	289.2	322.5	367.2	436.2	522.4	616.7	659.1
45°	219.2	221.9	233.7	241.8	251.3	274.7	306.3	364.0	439.8	532.8	604.9
47.5°	194.9	200.3	206.6	211.6	217.9	235.9	263.0	305.0	371.7	454.7	532.3
50°	173.2	176.4	184.5	186.8	191.3	203.9	224.7	256.7	311.7	378.0	458.3
52.5°	152.9	158.8	161.9	165.1	169.2	179.5	193.1	219.2	260.7	323.0	391.1
55°	137.1	138.9	143.5	146.2	149.3	156.5	168.3	187.7	220.1	269.8	334.3
57.5°	121.8	121.8	126.3	128.6	131.7	137.1	147.5	162.4	185.9	222.8	281.9
60°	105.6	106.0	109.6	112.3	113.2	118.6	127.2	138.9	157.0	184.1	232.3
62.5°	91.1	93.4	95.2	96.1	99.2	102.4	109.6	117.7	130.4	154.3	188.6
65°	78.9	79.4	80.7	81.7	83.0	86.6	92.0	97.4	108.3	125.9	153.8
67.5°	65.0	66.8	68.6	68.6	69.9	71.7	77.1	81.7	89.8	100.1	119.1
70°	48.7	49.6	52.3	53.7	55.5	58.6	61.4	64.1	70.4	78.0	92.5
72.5°	40.6	40.6	41.5	42.0	42.0	44.2	48.3	51.0	54.1	59.5	69.5
75°	32.5	32.5	33.8	33.4	34.3	35.2	35.6	37.4	39.2	43.3	49.2
77.5°	25.7	26.2	26.2	26.6	26.6	27.1	27.5	28.4	29.3	31.6	34.3
80°	18.9	19.4	19.4	19.8	19.8	20.3	20.8	21.2	22.1	23.0	24.4
82.5°	13.1	13.5	13.5	14.0	13.5	14.0	14.4	14.4	14.9	15.8	16.2
85°	7.7	7.7	8.1	7.7	7.7	7.7	8.1	8.1	8.6	9.9	9.9
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°	28.6	28.2	27.7	27.5	27.1	26.2	25.3	24.5	23.6	20.8	17.9
92.5°	33.0	32.7	32.5	32.4	31.6	30.1	28.6	27.0	25.5	23.5	21.6
95°	37.3	37.3	37.3	37.3	36.5	35.0	33.5	32.0	30.5	28.1	25.7
97.5°	39.9	39.6	39.4	39.3	38.4	36.7	34.9	33.2	31.4	42.5	53.7
100°	40.9	40.6	40.4	40.3	39.4	37.7	35.9	34.2	32.4	66.5	100.5
102.5°	41.4	40.9	40.5	40.3	43.9	51.1	58.3	65.5	72.7	110.7	148.7
105°	42.4	41.9	41.5	41.3	60.6	99.3	137.9	176.6	215.2	234.8	254.5
107.5°	159.4	188.0	216.6	230.9	247.7	281.3	315.0	348.6	382.2	378.9	375.6
110°	332.6	363.9	395.1	410.7	414.3	421.5	428.7	435.9	443.1	440.7	438.3

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	512.7	513.2	513.6	513.8	512.8	510.9	508.9	507.0	505.0	502.6	500.2
115°	575.9	575.0	574.1	573.7	572.6	570.4	568.3	566.1	563.9	561.9	560.0
117.5°	630.3	630.0	629.8	629.7	628.8	627.1	625.4	623.6	621.9	620.8	619.7
120°	685.7	685.7	685.7	685.7	684.8	683.1	681.4	679.6	677.9	677.2	676.6
122.5°	739.4	739.1	738.9	738.8	738.3	737.2	736.1	735.0	733.9	733.0	732.2
125°	789.0	788.6	788.1	787.9	787.7	787.3	786.8	786.4	786.0	785.1	784.2
127.5°	839.9	840.3	840.8	841.0	840.7	840.0	839.3	838.7	838.0	836.9	835.8
130°	887.0	887.5	887.9	888.1	887.7	886.8	885.9	885.1	884.2	883.3	882.5
132.5°	930.7	931.3	932.0	932.3	931.9	931.0	930.1	929.3	928.4	927.8	927.1
135°	974.9	975.6	976.3	976.6	976.3	975.6	974.9	974.3	973.6	972.7	971.9
137.5°	1016.7	1017.1	1017.6	1017.8	1017.3	1016.2	1015.1	1014.0	1012.9	1012.5	1012.0
140°	1054.0	1054.5	1054.9	1055.1	1054.7	1053.8	1052.9	1052.1	1051.2	1050.6	1049.9
142.5°	1088.9	1089.5	1090.2	1090.5	1090.2	1089.5	1088.9	1088.2	1087.6	1086.9	1086.3
145°	1122.9	1122.9	1122.9	1122.9	1122.7	1122.3	1121.8	1121.4	1121.0	1120.6	1120.1
147.5°	1150.7	1151.8	1152.9	1153.4	1153.2	1152.7	1152.3	1151.8	1151.4	1151.0	1150.6
150°	1179.3	1179.9	1180.6	1180.9	1180.7	1180.2	1179.8	1179.3	1178.9	1178.5	1178.1
152.5°	1203.7	1204.8	1205.9	1206.4	1206.0	1205.1	1204.2	1203.4	1202.5	1202.3	1202.1
155°	1225.7	1227.0	1228.3	1229.0	1228.5	1227.4	1226.3	1225.2	1224.1	1223.9	1223.7
157.5°	1245.3	1247.1	1248.8	1249.7	1249.0	1247.7	1246.4	1245.1	1243.8	1244.0	1244.2
160°	1262.6	1264.1	1265.6	1266.4	1265.7	1264.4	1263.1	1261.8	1260.5	1260.7	1260.9
162.5°	1278.8	1280.1	1281.4	1282.1	1281.3	1279.8	1278.3	1276.7	1275.2	1275.4	1275.6
165°	1292.0	1293.5	1295.0	1295.8	1294.9	1293.2	1291.5	1289.7	1288.0	1288.2	1288.4
167.5°	1302.3	1304.1	1305.8	1306.7	1305.8	1304.1	1302.3	1300.6	1298.8	1298.8	1298.8
170°	1311.1	1312.9	1314.6	1315.5	1314.6	1312.9	1311.1	1309.4	1307.6	1307.6	1307.6
172.5°	1316.5	1318.4	1320.4	1321.4	1320.5	1318.8	1317.0	1315.3	1313.5	1313.3	1313.1
175°	1321.0	1322.7	1324.4	1325.3	1324.5	1323.0	1321.5	1319.9	1318.4	1318.2	1318.0
177.5°	1322.8	1325.0	1327.2	1328.3	1327.4	1325.7	1323.9	1322.2	1320.4	1320.2	1320.0
180°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	545.4	543.1	540.9	540.9	535.9	531.4	529.2	530.1	527.3	523.7	520.1
5°	569.3	560.3	558.5	553.5	546.7	537.3	532.3	527.8	522.4	515.2	508.4
7.5°	591.4	579.7	573.4	568.4	555.3	542.2	531.4	524.2	514.7	503.9	495.8
10°	620.3	598.6	591.9	580.6	562.1	543.6	531.0	519.2	506.1	493.5	482.7
12.5°	643.3	618.5	605.8	594.6	570.7	547.2	526.0	511.6	495.8	481.8	467.8
15°	669.4	641.5	619.4	605.8	575.6	547.2	523.3	503.0	485.4	468.3	456.1
17.5°	682.1	646.9	637.0	617.6	573.8	545.4	516.1	494.4	473.2	453.4	438.9
20°	701.9	660.9	636.1	623.0	584.2	542.2	507.9	483.1	461.0	439.8	424.5
22.5°	703.3	658.6	642.4	617.6	569.8	532.8	500.7	470.5	444.8	424.9	409.2
25°	700.1	654.6	632.0	612.2	572.5	527.3	486.3	456.5	431.3	408.3	389.8
27.5°	698.8	642.8	621.6	601.8	557.1	511.6	477.7	443.9	415.0	394.7	375.8
30°	697.0	630.2	604.5	581.5	540.4	499.4	458.8	429.5	401.9	376.2	357.3
32.5°	685.2	613.1	586.9	562.5	518.3	477.3	445.2	414.1	384.3	360.4	343.3
35°	681.6	597.3	563.0	536.8	493.5	457.0	423.1	397.4	369.5	345.5	325.2
37.5°	671.3	581.0	544.0	510.7	465.5	430.8	406.0	380.3	353.2	327.5	311.3
40°	653.2	562.1	520.1	485.8	439.4	404.2	381.2	362.2	335.6	312.6	292.8
42.5°	626.6	542.7	497.6	461.5	410.1	377.1	358.2	340.1	317.6	293.7	277.4
45°	595.9	517.0	475.0	434.9	382.5	350.5	330.7	319.8	299.1	278.8	259.8
47.5°	554.0	490.4	448.9	407.4	354.1	323.0	307.2	296.4	281.9	259.8	244.5
50°	501.2	456.1	416.8	379.8	326.2	296.4	280.6	272.5	260.3	244.5	229.6
52.5°	442.5	416.4	383.9	349.6	297.7	269.8	255.3	249.0	240.0	225.1	212.5
55°	383.4	372.2	350.1	316.2	268.0	245.0	232.3	224.2	217.4	206.6	195.8
57.5°	330.7	325.2	309.9	283.7	243.1	219.2	208.4	203.0	197.6	189.5	178.6
60°	276.1	281.9	266.2	253.1	216.1	195.3	185.9	180.0	177.3	170.1	163.3
62.5°	228.7	234.1	225.1	215.2	189.0	170.5	164.7	159.2	157.4	151.1	144.4
65°	185.9	192.6	185.9	180.4	164.7	149.3	142.1	139.4	137.6	133.5	128.1
67.5°	148.0	154.7	151.6	144.8	139.8	127.2	123.2	120.4	119.5	116.4	111.9
70°	111.4	120.9	121.8	117.7	113.2	107.4	104.7	103.8	101.5	98.8	96.1
72.5°	80.3	91.1	91.6	91.6	88.9	88.9	86.2	84.8	84.8	82.1	78.9
75°	59.1	66.3	67.2	68.1	69.5	70.8	69.0	69.0	68.6	65.9	64.5
77.5°	39.2	45.6	47.8	51.0	52.8	52.8	53.7	54.6	53.7	52.3	51.4
80°	25.3	29.8	32.5	34.3	37.0	38.3	39.7	40.1	39.2	38.8	37.4
82.5°	16.7	18.0	19.4	21.7	24.8	27.1	27.1	26.6	27.5	27.1	26.6
85°	9.5	10.4	10.8	11.3	13.1	15.3	15.8	16.2	17.1	16.2	15.3
87.5°	3.6	4.1	4.1	4.1	5.0	5.4	6.8	8.6	8.1	7.2	7.2
90°	15.1	12.2	10.8	9.7	7.5	5.4	3.2	1.0	3.2	5.4	7.5
92.5°	19.6	17.7	16.7	17.4	18.7	20.0	21.3	22.6	21.3	20.0	18.7
95°	23.2	20.8	19.6	24.1	33.0	42.0	50.9	59.9	50.9	42.0	33.0
97.5°	64.8	75.9	81.5	84.6	90.7	96.8	103.0	109.1	103.0	96.8	90.7
100°	134.6	168.7	185.7	183.5	179.1	174.8	170.4	166.0	170.4	174.8	179.1
102.5°	186.6	224.6	243.6	242.2	239.4	236.5	233.7	230.9	233.7	236.5	239.4
105°	274.1	293.8	303.6	302.4	300.0	297.6	295.2	292.8	295.2	297.6	300.0
107.5°	372.3	369.0	367.4	366.4	364.5	362.5	360.6	358.6	360.6	362.5	364.5
110°	435.9	433.5	432.3	431.4	429.7	427.9	426.2	424.4	426.2	427.9	429.7

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	497.8	495.4	494.2	493.4	491.9	490.4	488.8	487.3	488.8	490.4	491.9
115°	558.0	556.1	555.1	554.4	553.1	551.8	550.5	549.2	550.5	551.8	553.1
117.5°	618.6	617.5	617.0	616.2	614.7	613.2	611.6	610.1	611.6	613.2	614.7
120°	675.9	675.2	674.9	673.9	672.0	670.0	668.1	666.1	668.1	670.0	672.0
122.5°	731.3	730.4	730.0	729.2	727.7	726.2	724.6	723.1	724.6	726.2	727.7
125°	783.3	782.4	782.0	781.1	779.4	777.7	775.9	774.2	775.9	777.7	779.4
127.5°	834.7	833.6	833.1	832.2	830.5	828.8	827.0	825.3	827.0	828.8	830.5
130°	881.6	880.7	880.3	879.4	877.7	875.9	874.2	872.4	874.2	875.9	877.7
132.5°	926.5	925.8	925.5	924.6	922.9	921.1	919.4	917.6	919.4	921.1	922.9
135°	971.0	970.1	969.7	969.0	967.7	966.4	965.1	963.8	965.1	966.4	967.7
137.5°	1011.6	1011.1	1010.9	1010.0	1008.3	1006.6	1004.8	1003.1	1004.8	1006.6	1008.3
140°	1049.3	1048.6	1048.3	1047.6	1046.3	1045.0	1043.7	1042.4	1043.7	1045.0	1046.3
142.5°	1085.6	1084.9	1084.6	1083.9	1082.6	1081.3	1080.0	1078.7	1080.0	1081.3	1082.6
145°	1119.7	1119.2	1119.0	1118.2	1116.7	1115.2	1113.6	1112.1	1113.6	1115.2	1116.7
147.5°	1150.1	1149.7	1149.5	1148.9	1147.8	1146.7	1145.6	1144.5	1145.6	1146.7	1147.8
150°	1177.6	1177.2	1177.0	1176.7	1176.0	1175.3	1174.7	1174.0	1174.7	1175.3	1176.0
152.5°	1201.8	1201.6	1201.5	1201.4	1201.2	1200.9	1200.7	1200.5	1200.7	1200.9	1201.2
155°	1223.4	1223.2	1223.1	1223.3	1223.8	1224.2	1224.7	1225.1	1224.7	1224.2	1223.8
157.5°	1244.5	1244.7	1244.8	1244.8	1244.8	1244.8	1244.8	1244.8	1244.8	1244.8	1244.8
160°	1261.2	1261.4	1261.5	1261.6	1261.8	1262.0	1262.2	1262.4	1262.2	1262.0	1261.8
162.5°	1275.9	1276.1	1276.2	1276.5	1277.2	1277.8	1278.5	1279.1	1278.5	1277.8	1277.2
165°	1288.7	1288.9	1289.0	1289.3	1290.0	1290.6	1291.3	1291.9	1291.3	1290.6	1290.0
167.5°	1298.8	1298.8	1298.8	1299.2	1300.1	1301.0	1301.8	1302.7	1301.8	1301.0	1300.1
170°	1307.6	1307.6	1307.6	1308.0	1308.9	1309.8	1310.7	1311.6	1310.7	1309.8	1308.9
172.5°	1312.8	1312.6	1312.5	1313.1	1314.2	1315.3	1316.4	1317.5	1316.4	1315.3	1314.2
175°	1317.8	1317.6	1317.5	1318.0	1319.1	1320.2	1321.3	1322.4	1321.3	1320.2	1319.1
177.5°	1319.7	1319.5	1319.4	1319.9	1321.0	1322.1	1323.2	1324.3	1323.2	1322.1	1321.0
180°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4

TEST NUMBER: P1010872

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	520.1	517.9	517.0	514.7	509.3	505.7	501.6	498.9	499.4	497.1	498.5
5°	503.9	503.4	500.3	495.8	488.1	484.0	476.8	473.2	471.4	471.9	469.2
7.5°	490.4	486.3	484.0	476.8	469.6	461.0	455.2	452.0	449.3	446.6	444.8
10°	475.0	471.4	467.8	460.1	450.2	442.1	434.0	430.8	426.7	424.9	423.6
12.5°	458.8	456.5	452.0	443.0	431.7	424.0	414.6	412.8	407.4	403.7	402.8
15°	443.9	442.5	434.4	424.0	412.8	405.1	397.0	391.6	382.5	384.3	381.2
17.5°	428.1	422.2	417.3	403.3	397.9	386.1	376.7	374.0	367.7	363.6	359.5
20°	410.5	406.9	400.6	391.6	378.5	364.9	357.7	353.2	349.6	343.3	341.5
22.5°	393.8	389.3	383.9	372.2	360.9	349.6	339.7	335.6	331.1	326.6	323.9
25°	380.7	374.0	368.1	353.7	342.4	332.9	326.6	319.8	313.5	310.8	309.9
27.5°	360.4	356.4	350.5	337.0	326.6	316.2	310.4	305.9	299.1	295.9	293.2
30°	347.4	339.2	332.5	321.6	311.3	300.0	294.6	289.2	285.1	281.0	277.9
32.5°	329.8	323.4	318.0	307.2	296.8	286.5	280.6	272.5	270.2	267.1	263.4
35°	312.6	308.6	302.7	291.0	279.7	272.5	266.2	258.5	255.8	253.5	250.4
37.5°	296.4	290.5	286.5	275.2	265.3	256.7	251.7	245.4	243.6	240.9	238.6
40°	282.4	276.5	272.5	261.2	250.8	241.8	238.6	232.3	229.6	226.5	225.1
42.5°	266.6	261.6	256.2	248.1	237.3	228.3	221.9	218.3	214.7	213.4	210.7
45°	249.9	245.4	241.3	232.3	221.0	214.7	209.3	204.4	201.6	199.4	197.6
47.5°	235.5	231.4	226.0	216.1	207.1	201.2	195.8	190.8	188.1	185.4	183.2
50°	218.8	216.5	210.7	201.2	192.6	185.9	180.9	176.4	174.6	171.4	167.8
52.5°	203.9	199.8	194.9	187.2	179.5	171.4	164.7	161.9	158.8	157.0	153.8
55°	186.3	183.6	178.2	171.4	163.3	156.5	151.6	148.0	143.9	142.1	138.0
57.5°	171.4	166.5	163.8	155.2	147.5	140.7	137.1	133.5	129.0	126.3	124.5
60°	155.2	150.7	146.6	139.4	134.0	126.8	121.3	118.2	115.0	111.4	109.6
62.5°	139.4	135.8	130.8	125.0	118.2	112.3	108.3	103.8	102.0	98.3	97.0
65°	122.3	119.5	115.5	108.7	103.3	98.3	94.3	90.7	88.9	87.5	86.6
67.5°	106.9	103.3	100.6	94.7	88.9	84.8	82.6	80.3	78.0	76.7	75.3
70°	91.1	88.4	85.7	80.3	76.2	72.6	70.8	69.0	67.7	66.3	65.0
72.5°	74.9	73.5	70.8	67.2	64.1	61.4	60.0	57.7	56.4	54.1	53.2
75°	61.8	59.5	58.2	55.0	52.3	50.1	48.3	45.6	43.8	42.9	42.4
77.5°	48.7	47.8	46.0	43.3	42.0	39.7	37.0	36.1	35.2	35.2	34.7
80°	36.5	35.2	33.8	31.6	30.2	28.4	28.4	28.4	28.0	28.4	28.0
82.5°	24.8	23.9	23.0	21.7	21.2	21.2	21.7	21.7	21.7	21.7	21.7
85°	14.4	14.4	14.4	14.9	14.4	14.4	14.9	15.3	14.9	14.9	14.4
87.5°	6.8	6.8	7.2	7.2	7.7	7.7	7.7	7.7	7.7	7.7	8.1
90°	9.7	10.8	12.2	15.1	17.9	20.8	23.6	24.5	25.3	26.2	27.1
92.5°	17.4	16.7	17.7	19.6	21.6	23.5	25.5	27.0	28.6	30.1	31.6
95°	24.1	19.6	20.8	23.2	25.7	28.1	30.5	32.0	33.5	35.0	36.5
97.5°	84.6	81.5	75.9	64.8	53.7	42.5	31.4	33.2	34.9	36.7	38.4
100°	183.5	185.7	168.7	134.6	100.5	66.5	32.4	34.2	35.9	37.7	39.4
102.5°	242.2	243.6	224.6	186.6	148.7	110.7	72.7	65.5	58.3	51.1	43.9
105°	302.4	303.6	293.8	274.1	254.5	234.8	215.2	176.6	137.9	99.3	60.6
107.5°	366.4	367.4	369.0	372.3	375.6	378.9	382.2	348.6	315.0	281.3	247.7
110°	431.4	432.3	433.5	435.9	438.3	440.7	443.1	435.9	428.7	421.5	414.3

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	493.4	494.2	495.4	497.8	500.2	502.6	505.0	507.0	508.9	510.9	512.8
115°	554.4	555.1	556.1	558.0	560.0	561.9	563.9	566.1	568.3	570.4	572.6
117.5°	616.2	617.0	617.5	618.6	619.7	620.8	621.9	623.6	625.4	627.1	628.8
120°	673.9	674.9	675.2	675.9	676.6	677.2	677.9	679.6	681.4	683.1	684.8
122.5°	729.2	730.0	730.4	731.3	732.2	733.0	733.9	735.0	736.1	737.2	738.3
125°	781.1	782.0	782.4	783.3	784.2	785.1	786.0	786.4	786.8	787.3	787.7
127.5°	832.2	833.1	833.6	834.7	835.8	836.9	838.0	838.7	839.3	840.0	840.7
130°	879.4	880.3	880.7	881.6	882.5	883.3	884.2	885.1	885.9	886.8	887.7
132.5°	924.6	925.5	925.8	926.5	927.1	927.8	928.4	929.3	930.1	931.0	931.9
135°	969.0	969.7	970.1	971.0	971.9	972.7	973.6	974.3	974.9	975.6	976.3
137.5°	1010.0	1010.9	1011.1	1011.6	1012.0	1012.5	1012.9	1014.0	1015.1	1016.2	1017.3
140°	1047.6	1048.3	1048.6	1049.3	1049.9	1050.6	1051.2	1052.1	1052.9	1053.8	1054.7
142.5°	1083.9	1084.6	1084.9	1085.6	1086.3	1086.9	1087.6	1088.2	1088.9	1089.5	1090.2
145°	1118.2	1119.0	1119.2	1119.7	1120.1	1120.6	1121.0	1121.4	1121.8	1122.3	1122.7
147.5°	1148.9	1149.5	1149.7	1150.1	1150.6	1151.0	1151.4	1151.8	1152.3	1152.7	1153.2
150°	1176.7	1177.0	1177.2	1177.6	1178.1	1178.5	1178.9	1179.3	1179.8	1180.2	1180.7
152.5°	1201.4	1201.5	1201.6	1201.8	1202.1	1202.3	1202.5	1203.4	1204.2	1205.1	1206.0
155°	1223.3	1223.1	1223.2	1223.4	1223.7	1223.9	1224.1	1225.2	1226.3	1227.4	1228.5
157.5°	1244.8	1244.8	1244.7	1244.5	1244.2	1244.0	1243.8	1245.1	1246.4	1247.7	1249.0
160°	1261.6	1261.5	1261.4	1261.2	1260.9	1260.7	1260.5	1261.8	1263.1	1264.4	1265.7
162.5°	1276.5	1276.2	1276.1	1275.9	1275.6	1275.4	1275.2	1276.7	1278.3	1279.8	1281.3
165°	1289.3	1289.0	1288.9	1288.7	1288.4	1288.2	1288.0	1289.7	1291.5	1293.2	1294.9
167.5°	1299.2	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1300.6	1302.3	1304.1	1305.8
170°	1308.0	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1309.4	1311.1	1312.9	1314.6
172.5°	1313.1	1312.5	1312.6	1312.8	1313.1	1313.3	1313.5	1315.3	1317.0	1318.8	1320.5
175°	1318.0	1317.5	1317.6	1317.8	1318.0	1318.2	1318.4	1319.9	1321.5	1323.0	1324.5
177.5°	1319.9	1319.4	1319.5	1319.7	1320.0	1320.2	1320.4	1322.2	1323.9	1325.7	1327.4
180°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	498.0	498.5	497.1	494.4	494.0	494.9	497.6	496.7	494.4	498.5	494.9
5°	470.5	468.3	467.3	468.3	465.5	464.2	466.9	465.5	466.9	467.3	468.7
7.5°	443.9	444.3	441.6	442.1	438.5	439.4	439.4	439.4	440.7	441.6	443.4
10°	420.9	421.8	418.6	419.1	416.4	414.6	415.9	418.6	418.6	418.6	419.5
12.5°	402.4	398.3	396.1	395.6	392.5	391.6	394.3	395.2	397.4	397.4	398.8
15°	379.4	378.5	376.7	376.7	369.0	370.8	371.7	374.9	379.4	375.8	376.7
17.5°	358.6	356.4	354.1	353.2	352.3	349.6	353.2	352.8	355.5	355.9	357.3
20°	340.1	338.3	333.8	334.3	335.2	331.1	333.4	333.4	336.1	338.8	341.9
22.5°	322.1	320.3	318.0	318.9	316.2	315.3	315.3	317.6	320.7	323.0	322.5
25°	308.1	305.0	303.6	302.2	300.9	301.8	300.4	302.7	305.0	306.3	305.0
27.5°	292.3	291.0	288.3	286.9	284.7	285.6	286.5	288.3	289.6	289.6	291.0
30°	277.0	275.2	274.3	272.9	272.9	271.1	271.6	273.4	274.7	276.1	277.9
32.5°	262.1	260.7	259.4	259.4	258.5	258.0	257.6	260.3	260.3	263.0	263.0
35°	249.9	247.7	247.7	245.4	246.3	245.9	245.0	246.8	247.2	249.0	248.6
37.5°	236.4	236.4	235.5	233.2	231.4	231.9	234.1	234.1	235.5	235.0	236.4
40°	222.8	221.9	221.9	220.6	220.1	219.7	220.1	220.6	222.8	222.4	222.8
42.5°	209.3	209.8	207.5	207.5	207.5	206.2	206.6	207.1	208.0	208.9	210.2
45°	196.2	195.3	194.9	194.0	193.1	193.5	193.1	194.9	194.4	195.3	196.7
47.5°	182.2	180.9	180.4	178.6	178.6	179.5	179.1	180.4	180.9	182.2	181.3
50°	168.7	166.9	165.6	166.0	163.3	164.2	164.2	165.6	166.9	167.4	168.3
52.5°	152.9	152.5	152.0	149.8	149.3	148.9	149.3	149.8	151.6	152.9	153.4
55°	137.6	137.1	134.4	133.5	132.2	132.2	133.1	133.5	136.7	137.1	138.9
57.5°	123.6	122.3	119.1	118.6	118.6	118.6	117.3	119.1	120.0	122.3	122.3
60°	108.3	108.3	105.6	105.6	106.0	105.6	105.6	106.0	106.0	107.8	108.7
62.5°	96.1	95.6	95.6	94.7	94.3	94.7	94.3	94.3	94.7	96.1	97.4
65°	85.3	84.8	84.4	83.9	83.0	83.0	83.5	84.4	84.4	85.3	85.7
67.5°	74.9	74.9	74.0	74.0	73.5	73.1	73.5	73.1	74.9	74.9	75.3
70°	64.5	64.1	62.7	62.3	60.9	61.4	61.4	62.7	63.2	64.1	65.0
72.5°	51.9	51.9	51.0	50.1	50.5	49.6	49.6	50.1	50.1	51.4	51.9
75°	42.9	42.0	41.5	42.0	41.5	42.4	41.5	41.5	42.4	42.4	42.4
77.5°	35.2	35.2	34.7	34.7	35.2	34.7	35.2	35.2	35.2	34.7	35.2
80°	28.9	28.4	28.4	28.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0
82.5°	21.7	21.7	21.2	21.7	21.7	21.2	21.7	21.2	21.2	21.7	21.7
85°	14.4	15.3	14.4	14.4	14.9	14.9	15.3	14.9	15.3	14.4	14.9
87.5°	7.7	8.1	8.1	7.7	7.7	8.1	8.1	8.1	8.6	7.7	8.1
90°	27.5	27.7	28.2	28.6	29.1	29.5	29.1	28.6	28.2	27.7	27.5
92.5°	32.4	32.5	32.7	33.0	33.2	33.4	33.2	33.0	32.7	32.5	32.4
95°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
97.5°	39.3	39.4	39.6	39.9	40.1	40.3	40.1	39.9	39.6	39.4	39.3
100°	40.3	40.4	40.6	40.9	41.1	41.3	41.1	40.9	40.6	40.4	40.3
102.5°	40.3	40.5	40.9	41.4	41.8	42.2	41.8	41.4	40.9	40.5	40.3
105°	41.3	41.5	41.9	42.4	42.8	43.2	42.8	42.4	41.9	41.5	41.3
107.5°	230.9	216.6	188.0	159.4	130.8	102.2	130.8	159.4	188.0	216.6	230.9
110°	410.7	395.1	363.9	332.6	301.4	270.2	301.4	332.6	363.9	395.1	410.7

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	513.8	513.6	513.2	512.7	512.3	511.9	512.3	512.7	513.2	513.6	513.8
115°	573.7	574.1	575.0	575.9	576.8	577.7	576.8	575.9	575.0	574.1	573.7
117.5°	629.7	629.8	630.0	630.3	630.5	630.7	630.5	630.3	630.0	629.8	629.7
120°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
122.5°	738.8	738.9	739.1	739.4	739.6	739.8	739.6	739.4	739.1	738.9	738.8
125°	787.9	788.1	788.6	789.0	789.5	789.9	789.5	789.0	788.6	788.1	787.9
127.5°	841.0	840.8	840.3	839.9	839.4	839.0	839.4	839.9	840.3	840.8	841.0
130°	888.1	887.9	887.5	887.0	886.6	886.2	886.6	887.0	887.5	887.9	888.1
132.5°	932.3	932.0	931.3	930.7	930.0	929.4	930.0	930.7	931.3	932.0	932.3
135°	976.6	976.3	975.6	974.9	974.3	973.6	974.3	974.9	975.6	976.3	976.6
137.5°	1017.8	1017.6	1017.1	1016.7	1016.2	1015.8	1016.2	1016.7	1017.1	1017.6	1017.8
140°	1055.1	1054.9	1054.5	1054.0	1053.6	1053.2	1053.6	1054.0	1054.5	1054.9	1055.1
142.5°	1090.5	1090.2	1089.5	1088.9	1088.2	1087.6	1088.2	1088.9	1089.5	1090.2	1090.5
145°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
147.5°	1153.4	1152.9	1151.8	1150.7	1149.6	1148.5	1149.6	1150.7	1151.8	1152.9	1153.4
150°	1180.9	1180.6	1179.9	1179.3	1178.6	1178.0	1178.6	1179.3	1179.9	1180.6	1180.9
152.5°	1206.4	1205.9	1204.8	1203.7	1202.6	1201.5	1202.6	1203.7	1204.8	1205.9	1206.4
155°	1229.0	1228.3	1227.0	1225.7	1224.4	1223.1	1224.4	1225.7	1227.0	1228.3	1229.0
157.5°	1249.7	1248.8	1247.1	1245.3	1243.6	1241.8	1243.6	1245.3	1247.1	1248.8	1249.7
160°	1266.4	1265.6	1264.1	1262.6	1261.0	1259.5	1261.0	1262.6	1264.1	1265.6	1266.4
162.5°	1282.1	1281.4	1280.1	1278.8	1277.5	1276.2	1277.5	1278.8	1280.1	1281.4	1282.1
165°	1295.8	1295.0	1293.5	1292.0	1290.5	1289.0	1290.5	1292.0	1293.5	1295.0	1295.8
167.5°	1306.7	1305.8	1304.1	1302.3	1300.6	1298.8	1300.6	1302.3	1304.1	1305.8	1306.7
170°	1315.5	1314.6	1312.9	1311.1	1309.4	1307.6	1309.4	1311.1	1312.9	1314.6	1315.5
172.5°	1321.4	1320.4	1318.4	1316.5	1314.5	1312.5	1314.5	1316.5	1318.4	1320.4	1321.4
175°	1325.3	1324.4	1322.7	1321.0	1319.2	1317.5	1319.2	1321.0	1322.7	1324.4	1325.3
177.5°	1328.3	1327.2	1325.0	1322.8	1320.6	1318.4	1320.6	1322.8	1325.0	1327.2	1328.3
180°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	498.5	500.3	498.5	494.9	498.5	500.7	503.0	506.6	508.4	508.4	511.1
5°	470.1	473.7	472.3	471.4	475.0	477.3	480.9	485.4	490.4	493.5	497.1
7.5°	444.8	447.0	449.3	449.3	452.9	457.9	463.3	468.7	475.0	479.5	482.2
10°	422.7	424.5	425.8	427.7	433.1	438.5	445.7	452.5	457.9	462.8	467.3
12.5°	401.5	404.2	407.4	408.7	412.8	419.5	426.3	434.4	443.0	448.0	452.5
15°	381.2	382.5	386.1	390.2	393.8	401.0	409.6	418.2	425.4	433.1	437.1
17.5°	360.4	360.9	370.4	368.1	379.8	386.6	391.1	399.2	411.0	417.3	423.6
20°	340.1	344.6	348.7	351.0	357.3	364.9	378.0	384.3	393.8	399.7	405.1
22.5°	324.3	331.1	331.1	336.5	339.7	346.9	356.4	368.6	378.9	383.0	390.7
25°	310.4	313.5	318.9	320.7	326.6	332.9	339.2	352.3	363.6	369.0	374.4
27.5°	292.3	296.4	303.6	303.6	311.3	318.0	325.7	334.3	345.5	353.2	359.1
30°	278.3	282.4	285.6	290.5	293.7	300.0	313.5	319.8	329.8	336.5	343.7
32.5°	265.3	268.4	271.1	276.5	280.1	287.4	294.6	305.9	314.4	320.7	328.4
35°	250.8	254.0	257.6	261.6	267.1	273.8	280.6	290.1	298.6	304.5	310.8
37.5°	237.3	239.5	245.0	247.7	252.2	258.5	267.1	277.0	284.7	289.2	295.5
40°	224.2	226.0	230.1	235.0	238.2	243.1	252.2	260.7	270.2	275.6	280.6
42.5°	210.2	212.5	216.1	221.0	226.0	231.4	236.4	246.3	254.9	259.4	264.8
45°	198.0	199.4	202.1	207.1	212.0	216.1	223.8	232.8	240.9	244.5	250.4
47.5°	183.6	185.0	189.0	191.3	196.7	202.1	209.8	218.8	226.0	229.6	235.0
50°	168.7	170.1	172.8	177.7	181.3	187.2	194.0	201.6	210.7	215.6	218.8
52.5°	154.3	157.0	159.2	163.3	167.8	173.7	180.0	187.2	194.9	199.8	203.5
55°	139.8	142.1	144.8	147.1	152.5	157.9	165.1	171.9	178.6	183.2	187.2
57.5°	123.6	126.8	129.5	134.0	138.0	142.6	150.7	156.1	164.2	167.4	171.0
60°	109.6	112.8	115.0	118.6	122.3	128.1	133.5	140.3	147.1	151.1	155.6
62.5°	97.9	99.2	100.6	104.2	107.8	113.2	118.6	125.4	132.6	134.9	138.5
65°	86.2	87.5	89.8	92.9	95.6	98.8	104.7	110.1	116.8	120.4	121.8
67.5°	76.2	77.6	78.0	80.3	82.6	86.2	89.3	94.7	101.0	103.3	106.0
70°	65.0	67.2	67.7	69.5	70.4	72.6	76.2	80.3	85.3	89.3	91.6
72.5°	51.9	55.0	55.9	58.6	60.0	62.3	65.0	68.1	71.3	73.1	74.9
75°	42.4	43.3	43.8	46.0	48.3	51.4	52.8	54.6	57.3	59.5	61.4
77.5°	35.2	35.6	36.1	36.1	36.5	38.3	41.1	43.3	45.1	46.0	47.4
80°	28.4	28.0	28.0	28.4	28.4	28.4	29.3	32.5	33.4	35.6	35.2
82.5°	22.1	21.2	21.7	21.2	21.2	21.2	21.2	21.7	21.7	23.0	23.9
85°	14.4	14.9	14.4	14.4	14.0	14.4	14.0	14.0	13.5	13.5	13.1
87.5°	7.7	8.1	7.7	7.7	7.2	7.7	7.2	7.2	6.8	6.8	5.9
90°	27.1	26.2	25.3	24.5	23.6	20.8	17.9	15.1	12.2	10.8	9.7
92.5°	31.6	30.1	28.6	27.0	25.5	23.5	21.6	19.6	17.7	16.7	17.4
95°	36.5	35.0	33.5	32.0	30.5	28.1	25.7	23.2	20.8	19.6	24.1
97.5°	38.4	36.7	34.9	33.2	31.4	42.5	53.7	64.8	75.9	81.5	84.6
100°	39.4	37.7	35.9	34.2	32.4	66.5	100.5	134.6	168.7	185.7	183.5
102.5°	43.9	51.1	58.3	65.5	72.7	110.7	148.7	186.6	224.6	243.6	242.2
105°	60.6	99.3	137.9	176.6	215.2	234.8	254.5	274.1	293.8	303.6	302.4
107.5°	247.7	281.3	315.0	348.6	382.2	378.9	375.6	372.3	369.0	367.4	366.4
110°	414.3	421.5	428.7	435.9	443.1	440.7	438.3	435.9	433.5	432.3	431.4

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	512.8	510.9	508.9	507.0	505.0	502.6	500.2	497.8	495.4	494.2	493.4
115°	572.6	570.4	568.3	566.1	563.9	561.9	560.0	558.0	556.1	555.1	554.4
117.5°	628.8	627.1	625.4	623.6	621.9	620.8	619.7	618.6	617.5	617.0	616.2
120°	684.8	683.1	681.4	679.6	677.9	677.2	676.6	675.9	675.2	674.9	673.9
122.5°	738.3	737.2	736.1	735.0	733.9	733.0	732.2	731.3	730.4	730.0	729.2
125°	787.7	787.3	786.8	786.4	786.0	785.1	784.2	783.3	782.4	782.0	781.1
127.5°	840.7	840.0	839.3	838.7	838.0	836.9	835.8	834.7	833.6	833.1	832.2
130°	887.7	886.8	885.9	885.1	884.2	883.3	882.5	881.6	880.7	880.3	879.4
132.5°	931.9	931.0	930.1	929.3	928.4	927.8	927.1	926.5	925.8	925.5	924.6
135°	976.3	975.6	974.9	974.3	973.6	972.7	971.9	971.0	970.1	969.7	969.0
137.5°	1017.3	1016.2	1015.1	1014.0	1012.9	1012.5	1012.0	1011.6	1011.1	1010.9	1010.0
140°	1054.7	1053.8	1052.9	1052.1	1051.2	1050.6	1049.9	1049.3	1048.6	1048.3	1047.6
142.5°	1090.2	1089.5	1088.9	1088.2	1087.6	1086.9	1086.3	1085.6	1084.9	1084.6	1083.9
145°	1122.7	1122.3	1121.8	1121.4	1121.0	1120.6	1120.1	1119.7	1119.2	1119.0	1118.2
147.5°	1153.2	1152.7	1152.3	1151.8	1151.4	1151.0	1150.6	1150.1	1149.7	1149.5	1148.9
150°	1180.7	1180.2	1179.8	1179.3	1178.9	1178.5	1178.1	1177.6	1177.2	1177.0	1176.7
152.5°	1206.0	1205.1	1204.2	1203.4	1202.5	1202.3	1202.1	1201.8	1201.6	1201.5	1201.4
155°	1228.5	1227.4	1226.3	1225.2	1224.1	1223.9	1223.7	1223.4	1223.2	1223.1	1223.3
157.5°	1249.0	1247.7	1246.4	1245.1	1243.8	1244.0	1244.2	1244.5	1244.7	1244.8	1244.8
160°	1265.7	1264.4	1263.1	1261.8	1260.5	1260.7	1260.9	1261.2	1261.4	1261.5	1261.6
162.5°	1281.3	1279.8	1278.3	1276.7	1275.2	1275.4	1275.6	1275.9	1276.1	1276.2	1276.5
165°	1294.9	1293.2	1291.5	1289.7	1288.0	1288.2	1288.4	1288.7	1288.9	1289.0	1289.3
167.5°	1305.8	1304.1	1302.3	1300.6	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1299.2
170°	1314.6	1312.9	1311.1	1309.4	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1308.0
172.5°	1320.5	1318.8	1317.0	1315.3	1313.5	1313.3	1313.1	1312.8	1312.6	1312.5	1313.1
175°	1324.5	1323.0	1321.5	1319.9	1318.4	1318.2	1318.0	1317.8	1317.6	1317.5	1318.0
177.5°	1327.4	1325.7	1323.9	1322.2	1320.4	1320.2	1320.0	1319.7	1319.5	1319.4	1319.9
180°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	526.9	526.9	526.9	526.9
2.5°	513.4	516.5	522.8	528.2
5°	502.5	507.5	517.0	526.4
7.5°	489.5	497.1	509.3	522.4
10°	476.8	486.7	501.6	517.0
12.5°	464.2	474.6	490.4	510.2
15°	449.3	460.1	479.1	503.0
17.5°	436.2	450.7	467.8	491.7
20°	422.2	433.1	455.2	480.4
22.5°	404.6	422.7	443.4	470.1
25°	390.7	406.4	427.2	457.4
27.5°	373.5	392.0	417.3	443.9
30°	359.5	374.9	398.3	430.4
32.5°	343.3	361.3	385.7	417.3
35°	328.9	344.2	367.2	399.2
37.5°	311.7	328.4	354.1	382.5
40°	296.8	313.1	337.4	364.0
42.5°	278.8	295.9	320.3	342.8
45°	264.4	280.1	299.5	320.3
47.5°	246.8	263.4	282.4	296.8
50°	231.0	246.3	261.2	273.4
52.5°	213.8	227.8	241.3	250.4
55°	198.0	208.9	219.7	226.0
57.5°	179.5	189.9	198.9	202.5
60°	163.3	171.9	177.7	181.8
62.5°	146.2	152.5	157.0	159.2
65°	129.5	134.0	136.2	138.5
67.5°	112.3	116.4	117.7	120.4
70°	94.3	98.8	99.7	101.0
72.5°	80.7	80.7	82.6	84.4
75°	64.5	65.4	66.3	66.3
77.5°	50.5	50.5	51.4	51.9
80°	37.0	37.4	37.4	37.0
82.5°	25.3	26.2	25.3	24.8
85°	14.0	15.8	14.9	14.9
87.5°	5.9	5.9	6.8	5.9
90°	7.5	5.4	3.2	1.0
92.5°	18.7	20.0	21.3	22.6
95°	33.0	42.0	50.9	59.9
97.5°	90.7	96.8	103.0	109.1
100°	179.1	174.8	170.4	166.0
102.5°	239.4	236.5	233.7	230.9
105°	300.0	297.6	295.2	292.8
107.5°	364.5	362.5	360.6	358.6
110°	429.7	427.9	426.2	424.4

TEST NUMBER: P1010872

CATALOG NUMBER: S123RDIP-B340D1025UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	491.9	490.4	488.8	487.3
115°	553.1	551.8	550.5	549.2
117.5°	614.7	613.2	611.6	610.1
120°	672.0	670.0	668.1	666.1
122.5°	727.7	726.2	724.6	723.1
125°	779.4	777.7	775.9	774.2
127.5°	830.5	828.8	827.0	825.3
130°	877.7	875.9	874.2	872.4
132.5°	922.9	921.1	919.4	917.6
135°	967.7	966.4	965.1	963.8
137.5°	1008.3	1006.6	1004.8	1003.1
140°	1046.3	1045.0	1043.7	1042.4
142.5°	1082.6	1081.3	1080.0	1078.7
145°	1116.7	1115.2	1113.6	1112.1
147.5°	1147.8	1146.7	1145.6	1144.5
150°	1176.0	1175.3	1174.7	1174.0
152.5°	1201.2	1200.9	1200.7	1200.5
155°	1223.8	1224.2	1224.7	1225.1
157.5°	1244.8	1244.8	1244.8	1244.8
160°	1261.8	1262.0	1262.2	1262.4
162.5°	1277.2	1277.8	1278.5	1279.1
165°	1290.0	1290.6	1291.3	1291.9
167.5°	1300.1	1301.0	1301.8	1302.7
170°	1308.9	1309.8	1310.7	1311.6
172.5°	1314.2	1315.3	1316.4	1317.5
175°	1319.1	1320.2	1321.3	1322.4
177.5°	1321.0	1322.1	1323.2	1324.3
180°	1322.4	1322.4	1322.4	1322.4

(END OF REPORT)