

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: P1010961

Luminaire Tested: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010961
REPORT IS A COMBINATION OF REPORTS P993487 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

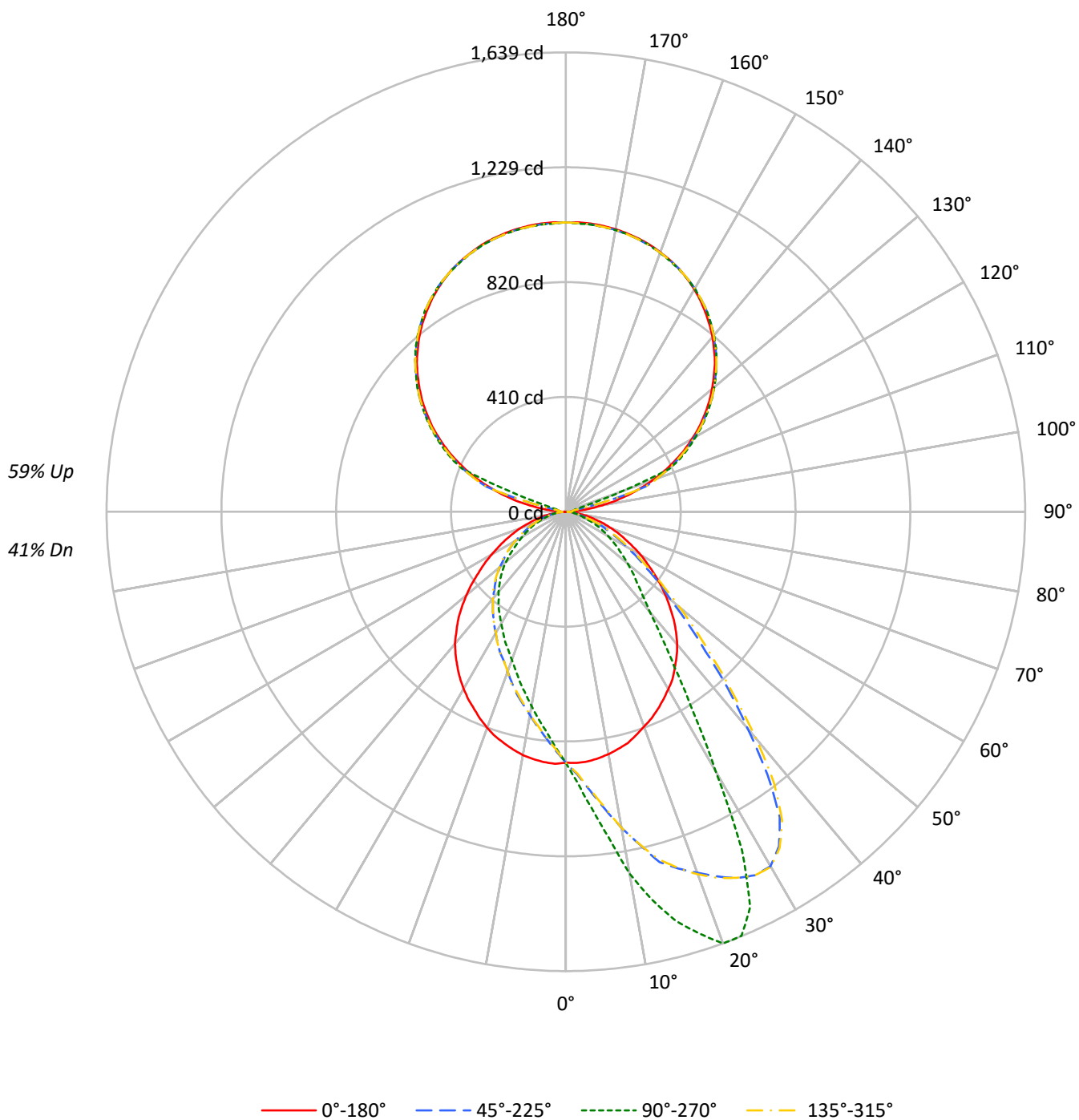
Lumens per Lamp: N/A
Luminaire Lumens: 5377.0 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
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: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1010961

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41		
1	96	92	89	85	88	84	81	78	70	67	65	56	55	53	43	43	42	36		
2	88	81	75	70	80	74	69	65	62	58	55	50	47	45	39	37	36	31		
3	81	72	65	59	73	66	60	55	55	50	47	44	41	39	35	33	31	27		
4	74	64	56	50	67	59	52	47	49	44	40	40	36	34	31	29	27	23		
5	68	57	49	43	62	52	46	41	44	39	35	36	32	29	28	26	24	21		
6	63	51	43	38	57	47	40	35	40	34	31	33	29	26	26	23	21	18		
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16		
8	54	42	35	29	49	39	32	28	33	28	24	27	23	21	22	19	17	15		
9	50	38	31	26	46	36	29	25	30	25	22	25	21	19	20	18	16	13		
10	47	35	28	24	43	33	26	22	28	23	20	23	19	17	19	16	14	12		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9632	9632	9632	9632
5°	9639	11092	9663	8230
10°	9553	13390	9595	7188
15°	9456	15197	9456	6338
20°	9262	16392	9314	5622
25°	9119	15574	9102	5130
30°	8954	10791	8936	4649
35°	8756	6928	8716	4286
40°	8508	4892	8465	3925
45°	8078	3914	8066	3573
50°	7548	3275	7524	3162
55°	6954	2699	6898	2681
60°	6370	2231	6308	2280
65°	5686	1785	5722	1933
70°	5053	1240	5189	1562
75°	4283	921	4458	1201
80°	3409	611	3703	901
85°	2430	288	2651	561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12858 cd/sqm

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.6
10°-20°	275.1	5.1
20°-30°	433.2	8.1
30°-40°	450.5	8.4
40°-50°	385.4	7.2
50°-60°	293.8	5.5
60°-70°	188.2	3.5
70°-80°	90.2	1.7
80°-90°	25.8	0.5
90°-100°	36.4	0.7
100°-110°	176.0	3.3
110°-120°	431.3	8.0
120°-130°	547.5	10.2
130°-140°	584.9	10.9
140°-150°	546.9	10.2
150°-160°	441.1	8.2
160°-170°	284.7	5.3
170°-180°	98.1	1.8
0°-30°	796.2	14.8
0°-40°	1246.6	23.2
0°-60°	1925.8	35.8
0°-90°	2230.1	41.5
90°-120°	643.7	12.0
90°-150°	2323.0	43.2
90°-180°	3147.0	58.5
0°-180°	5377.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	894	1062	896	788	894	85
15°	854	1510	854	630	854	240
25°	777	1556	775	512	777	358
35°	678	675	675	418	678	424
45°	544	360	543	329	544	419
55°	384	226	381	224	384	344
65°	235	130	237	141	235	235
75°	113	55	117	72	113	122
85°	25	13	28	25	25	28
90°	1	23	1	23	1	4
95°	47	29	47	29	47	56
105°	228	34	228	34	228	242
115°	429	451	429	451	429	423
125°	604	617	604	617	604	540
135°	752	760	752	760	752	579
145°	868	877	868	877	868	544
155°	956	955	956	955	956	441
165°	1008	1006	1008	1006	1008	285
175°	1032	1028	1032	1028	1032	98
180°	1032	1032	1032	1032	1032	

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	897.1	903.2	907.8	910.8	918.5	923.1	926.9	933.8	933.8	935.4	938.4
5°	894.0	907.0	916.2	928.5	944.6	952.2	962.9	972.1	985.2	992.0	998.9
7.5°	887.1	905.5	924.6	943.0	966.8	982.1	992.8	1016.6	1033.4	1054.1	1070.2
10°	877.9	903.2	927.7	956.0	988.2	1011.2	1027.3	1058.7	1090.9	1120.0	1144.5
12.5°	866.4	897.1	932.3	966.8	1012.0	1034.9	1061.0	1100.1	1146.0	1182.8	1215.7
15°	854.2	889.4	929.2	971.4	1028.1	1060.2	1097.8	1145.3	1196.6	1249.4	1294.6
17.5°	835.0	879.4	923.9	985.2	1051.8	1071.0	1103.1	1168.2	1231.8	1279.3	1334.5
20°	815.9	865.6	921.6	976.7	1048.7	1093.2	1123.0	1192.0	1260.2	1317.6	1370.5
22.5°	798.2	850.3	908.5	978.3	1045.7	1090.1	1127.6	1199.7	1278.6	1342.9	1408.0
25°	776.8	833.5	897.8	963.7	1045.7	1079.4	1120.7	1204.2	1287.7	1362.1	1442.5
27.5°	753.8	811.3	874.8	942.3	1017.3	1067.1	1107.7	1197.4	1299.2	1378.9	1461.6
30°	730.8	789.8	851.1	911.6	995.9	1043.4	1090.1	1188.9	1305.4	1396.5	1460.1
32.5°	708.6	758.4	818.9	877.9	961.4	1013.5	1066.4	1180.5	1307.7	1384.3	1414.9
35°	678.0	730.1	779.1	841.9	926.2	977.5	1039.5	1179.7	1297.7	1345.2	1329.9
37.5°	649.6	693.3	740.0	795.9	882.5	949.1	1013.5	1159.8	1264.8	1267.8	1181.3
40°	618.2	654.2	693.3	752.3	845.7	911.6	981.3	1129.2	1205.0	1159.8	1007.4
42.5°	582.2	614.4	645.0	702.5	804.4	877.9	953.0	1090.9	1118.4	1014.3	855.7
45°	543.9	569.9	598.3	658.8	760.7	833.5	908.5	1031.9	1003.5	856.5	705.5
47.5°	504.1	526.3	553.9	609.0	714.0	788.3	859.5	947.6	875.6	717.8	591.4
50°	464.2	481.9	508.7	565.4	666.5	733.9	799.8	857.2	756.1	615.9	488.7
52.5°	425.2	439.0	466.5	514.8	612.8	677.2	724.7	746.9	644.3	508.7	424.4
55°	383.8	399.1	417.5	466.5	563.8	611.3	642.7	642.0	536.2	431.3	350.9
57.5°	344.0	357.8	373.8	422.9	501.8	533.9	560.8	547.7	447.4	353.2	301.1
60°	308.7	316.4	334.0	375.4	435.1	462.7	478.0	455.8	365.4	298.0	249.0
62.5°	270.4	278.1	292.6	331.7	368.5	383.0	396.1	367.7	301.8	242.8	213.0
65°	235.2	245.1	254.3	285.7	305.7	323.3	321.7	298.0	235.9	197.6	173.1
67.5°	204.5	208.4	216.0	235.2	244.4	257.4	258.2	231.4	190.0	160.9	146.3
70°	171.6	175.4	180.8	190.0	196.1	199.2	197.6	173.9	143.3	125.6	112.6
72.5°	143.3	142.5	146.3	146.3	152.4	151.7	147.1	128.7	108.8	94.2	86.6
75°	112.6	113.4	114.1	112.6	110.3	107.2	103.4	89.6	76.6	69.7	62.8
77.5°	88.1	86.6	87.3	82.0	78.9	75.8	70.5	63.6	52.9	51.3	48.3
80°	62.8	62.1	61.3	59.0	52.1	49.0	45.2	41.4	39.1	37.5	36.8
82.5°	42.1	42.1	40.6	36.0	32.2	29.9	29.1	27.6	25.3	25.3	24.5
85°	25.3	24.5	23.0	18.4	16.1	16.1	16.1	16.1	14.6	14.6	13.8
87.5°	10.0	9.2	6.9	6.9	6.1	6.1	6.1	5.4	5.4	4.6	4.6
90°	0.8	2.5	4.2	5.9	7.6	8.4	9.5	11.7	14.0	16.2	18.4
92.5°	17.6	16.6	15.6	14.5	13.5	13.0	13.8	15.3	16.8	18.4	19.9
95°	46.8	39.8	32.8	25.8	18.8	15.3	16.2	18.1	20.0	21.9	23.8
97.5°	85.1	80.3	75.6	70.8	66.1	63.7	59.3	50.6	41.9	33.2	24.5
100°	129.6	133.0	136.4	139.8	143.2	144.9	131.6	105.0	78.5	51.9	25.3
102.5°	180.2	182.4	184.6	186.9	189.1	190.2	175.4	145.7	116.1	86.4	56.8
105°	228.5	230.4	232.3	234.2	236.1	237.0	229.3	214.0	198.7	183.3	168.0
107.5°	279.9	281.4	283.0	284.5	286.0	286.8	288.1	290.6	293.2	295.7	298.3
110°	331.3	332.7	334.0	335.4	336.7	337.4	338.3	340.2	342.1	344.0	345.9



TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	380.4	381.6	382.8	384.0	385.2	385.8	386.7	388.6	390.5	392.3	394.2
115°	428.7	429.7	430.7	431.8	432.8	433.3	434.1	435.6	437.1	438.7	440.2
117.5°	476.3	477.5	478.7	479.8	481.0	481.6	482.0	482.9	483.8	484.6	485.5
120°	520.0	521.5	523.1	524.6	526.1	526.9	527.2	527.7	528.2	528.7	529.2
122.5°	564.4	565.6	566.8	568.0	569.2	569.8	570.1	570.8	571.5	572.2	572.9
125°	604.3	605.7	607.1	608.4	609.8	610.5	610.8	611.5	612.2	612.8	613.5
127.5°	644.2	645.6	646.9	648.3	649.6	650.3	650.7	651.6	652.5	653.3	654.2
130°	681.0	682.4	683.8	685.1	686.5	687.2	687.5	688.2	688.9	689.5	690.2
132.5°	716.3	717.7	719.0	720.4	721.7	722.4	722.7	723.2	723.7	724.2	724.7
135°	752.3	753.3	754.3	755.4	756.4	756.9	757.2	757.9	758.6	759.3	760.0
137.5°	783.0	784.4	785.8	787.1	788.5	789.2	789.4	789.7	790.0	790.4	790.7
140°	813.7	814.7	815.7	816.8	817.8	818.3	818.6	819.1	819.6	820.1	820.6
142.5°	842.1	843.1	844.1	845.2	846.2	846.7	847.0	847.5	848.0	848.5	849.0
145°	868.1	869.3	870.5	871.7	872.9	873.5	873.7	874.0	874.3	874.7	875.0
147.5°	893.5	894.3	895.2	896.0	896.9	897.3	897.5	897.8	898.1	898.5	898.8
150°	916.5	917.0	917.5	918.0	918.5	918.8	919.0	919.3	919.6	920.0	920.3
152.5°	937.2	937.4	937.5	937.7	937.8	937.9	938.0	938.2	938.3	938.5	938.7
155°	956.3	956.0	955.6	955.3	955.0	954.8	954.9	955.1	955.2	955.4	955.6
157.5°	971.7	971.7	971.7	971.7	971.7	971.7	971.6	971.4	971.3	971.1	970.9
160°	985.5	985.3	985.1	985.0	984.8	984.7	984.6	984.4	984.3	984.1	983.9
162.5°	998.5	998.0	997.5	997.0	996.5	996.2	996.1	996.0	995.8	995.7	995.5
165°	1008.5	1008.0	1007.5	1007.0	1006.5	1006.2	1006.1	1005.9	1005.8	1005.6	1005.4
167.5°	1016.9	1016.2	1015.6	1014.9	1014.2	1013.9	1013.9	1013.9	1013.9	1013.9	1013.9
170°	1023.8	1023.1	1022.5	1021.8	1021.1	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8
172.5°	1028.4	1027.6	1026.7	1025.9	1025.0	1024.6	1024.7	1024.9	1025.0	1025.2	1025.4
175°	1032.3	1031.4	1030.6	1029.7	1028.8	1028.4	1028.5	1028.7	1028.8	1029.0	1029.2
177.5°	1033.8	1033.0	1032.1	1031.3	1030.4	1030.0	1030.1	1030.2	1030.4	1030.5	1030.7
180°	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	944.6	944.6	951.4	958.3	954.5	956.8	965.2	962.2	968.3	967.5	969.8
5°	1015.8	1024.2	1031.1	1045.7	1048.0	1045.7	1060.2	1064.1	1071.0	1062.5	1066.4
7.5°	1096.2	1113.9	1130.7	1152.2	1159.1	1160.6	1168.2	1179.0	1188.2	1171.3	1179.7
10°	1174.4	1201.2	1235.7	1254.8	1271.7	1277.8	1283.9	1290.8	1301.5	1311.5	1303.8
12.5°	1258.6	1297.7	1330.6	1365.1	1385.8	1383.5	1401.1	1405.7	1414.1	1416.4	1419.5
15°	1327.6	1382.7	1403.4	1454.7	1459.3	1474.7	1494.6	1512.2	1514.5	1509.9	1509.9
17.5°	1393.5	1441.0	1477.7	1519.1	1527.5	1540.5	1565.8	1574.3	1577.3	1576.6	1576.6
20°	1447.1	1478.5	1540.5	1575.0	1588.8	1605.7	1623.3	1634.0	1636.3	1639.4	1634.8
22.5°	1482.3	1529.8	1580.4	1608.7	1620.2	1626.3	1637.8	1640.9	1637.1	1637.8	1638.6
25°	1509.9	1556.6	1587.3	1594.9	1594.2	1586.5	1578.1	1563.5	1562.0	1555.9	1543.6
27.5°	1517.6	1535.2	1531.4	1499.9	1468.5	1465.5	1414.9	1387.3	1355.9	1360.5	1342.9
30°	1476.2	1453.2	1398.8	1319.2	1286.2	1232.6	1175.9	1116.9	1093.9	1068.7	1115.4
32.5°	1375.1	1293.1	1196.6	1093.2	1038.0	990.5	930.0	887.1	862.6	841.9	881.7
35°	1222.6	1094.7	966.8	868.7	823.5	780.6	723.9	702.5	671.8	674.9	678.7
37.5°	1026.5	885.6	789.0	692.5	662.6	645.0	603.7	570.7	560.0	556.9	556.9
40°	842.7	727.0	641.2	565.4	542.4	527.8	494.9	479.6	468.1	465.0	468.8
42.5°	697.1	598.3	531.6	481.1	465.0	446.6	432.8	413.7	411.4	406.0	412.9
45°	585.3	499.5	449.7	412.9	399.1	392.2	376.9	365.4	360.8	360.0	365.4
47.5°	496.4	429.8	386.1	363.1	352.4	345.5	332.5	327.9	323.3	324.8	322.5
50°	416.7	366.9	338.6	317.9	311.0	304.1	295.7	291.1	288.8	288.8	288.0
52.5°	357.8	316.4	298.0	278.8	275.8	272.0	262.8	259.7	255.9	255.1	258.2
55°	306.4	278.1	259.7	248.2	245.1	237.5	233.6	229.8	227.5	226.0	226.8
57.5°	262.0	240.5	228.3	218.3	213.0	209.9	203.0	202.2	200.7	200.7	199.9
60°	225.2	209.9	195.3	189.2	185.4	181.6	180.8	176.2	173.9	175.4	174.7
62.5°	190.7	178.5	170.1	163.2	160.9	157.8	155.5	154.0	151.7	152.4	152.4
65°	159.3	149.4	143.3	137.1	136.4	133.3	132.5	131.0	131.0	130.2	131.8
67.5°	131.0	124.1	118.7	114.9	112.6	113.4	110.3	108.0	108.0	107.2	109.5
70°	104.2	100.4	95.0	90.4	87.3	87.3	83.5	82.7	82.7	82.7	82.0
72.5°	80.4	73.5	71.2	69.7	69.7	69.7	68.2	68.2	67.4	68.2	67.4
75°	59.8	59.0	57.5	56.7	56.7	55.9	55.2	55.2	55.2	55.2	55.2
77.5°	46.7	46.7	45.2	44.4	44.4	44.4	43.7	43.7	42.9	42.9	42.9
80°	34.5	34.5	32.9	32.9	32.9	32.2	32.2	32.2	32.9	32.2	32.2
82.5°	23.7	23.7	23.0	23.7	23.0	22.2	22.2	22.2	21.4	22.2	22.2
85°	13.8	13.8	13.0	12.3	13.0	13.0	12.3	13.0	12.3	13.0	12.3
87.5°	5.4	4.6	4.6	4.6	3.8	4.6	3.8	3.8	4.6	3.8	4.6
90°	19.1	19.8	20.5	21.2	21.5	21.7	22.0	22.3	22.7	23.0	22.7
92.5°	21.1	22.3	23.5	24.7	25.3	25.4	25.6	25.7	25.9	26.1	25.9
95°	25.0	26.2	27.3	28.5	29.1	29.1	29.1	29.1	29.1	29.1	29.1
97.5°	25.9	27.3	28.6	30.0	30.7	30.8	30.9	31.1	31.2	31.4	31.2
100°	26.7	28.0	29.4	30.7	31.4	31.5	31.7	31.8	32.0	32.2	32.0
102.5°	51.2	45.5	39.9	34.2	31.4	31.6	31.9	32.3	32.6	33.0	32.6
105°	137.8	107.6	77.5	47.3	32.2	32.4	32.7	33.0	33.4	33.7	33.4
107.5°	272.1	245.8	219.6	193.3	180.2	169.0	146.7	124.4	102.1	79.8	102.1
110°	340.3	334.7	329.0	323.4	320.6	308.4	284.0	259.7	235.3	210.9	235.3



TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	395.7	397.3	398.8	400.3	401.1	400.9	400.6	400.3	399.9	399.6	399.9
115°	441.9	443.6	445.3	447.0	447.9	448.2	448.9	449.6	450.2	450.9	450.2
117.5°	486.9	488.2	489.6	490.9	491.6	491.7	491.9	492.0	492.2	492.4	492.2
120°	530.6	531.9	533.3	534.6	535.3	535.3	535.3	535.3	535.3	535.3	535.3
122.5°	573.7	574.6	575.4	576.3	576.7	576.8	577.0	577.1	577.3	577.5	577.3
125°	613.9	614.2	614.6	614.9	615.1	615.3	615.6	615.9	616.3	616.6	616.3
127.5°	654.7	655.2	655.7	656.2	656.5	656.3	656.0	655.6	655.3	654.9	655.3
130°	690.9	691.6	692.3	693.0	693.3	693.1	692.8	692.5	692.1	691.8	692.1
132.5°	725.4	726.1	726.8	727.5	727.8	727.5	727.0	726.5	726.0	725.5	726.0
135°	760.5	761.0	761.5	762.0	762.3	762.0	761.5	761.0	760.5	760.0	760.5
137.5°	791.5	792.4	793.2	794.1	794.5	794.3	794.0	793.7	793.3	793.0	793.3
140°	821.3	822.0	822.7	823.4	823.7	823.5	823.2	822.8	822.5	822.1	822.5
142.5°	849.5	850.0	850.5	851.0	851.3	851.0	850.5	850.0	849.5	849.0	849.5
145°	875.4	875.7	876.1	876.4	876.6	876.6	876.6	876.6	876.6	876.6	876.6
147.5°	899.2	899.5	899.9	900.2	900.4	900.0	899.1	898.2	897.4	896.5	897.4
150°	920.6	921.0	921.3	921.6	921.8	921.5	921.0	920.5	920.0	919.5	920.0
152.5°	939.4	940.1	940.8	941.5	941.8	941.4	940.5	939.6	938.8	937.9	938.8
155°	956.4	957.3	958.1	959.0	959.4	958.9	957.9	956.8	955.8	954.8	955.8
157.5°	971.9	972.9	974.0	975.0	975.5	974.8	973.5	972.1	970.8	969.4	970.8
160°	984.9	985.9	987.0	988.0	988.5	987.9	986.7	985.6	984.4	983.2	984.4
162.5°	996.7	997.9	999.0	1000.2	1000.8	1000.3	999.3	998.2	997.2	996.2	997.2
165°	1006.8	1008.2	1009.5	1010.9	1011.6	1011.0	1009.8	1008.6	1007.4	1006.2	1007.4
167.5°	1015.3	1016.6	1018.0	1019.3	1020.0	1019.3	1018.0	1016.6	1015.3	1013.9	1015.3
170°	1022.2	1023.5	1024.9	1026.2	1026.9	1026.2	1024.9	1023.5	1022.2	1020.8	1022.2
172.5°	1026.8	1028.1	1029.5	1030.8	1031.5	1030.7	1029.2	1027.7	1026.1	1024.6	1026.1
175°	1030.4	1031.6	1032.8	1034.0	1034.6	1033.9	1032.5	1031.2	1029.8	1028.4	1029.8
177.5°	1032.1	1033.5	1034.8	1036.2	1036.9	1036.0	1034.3	1032.6	1030.9	1029.2	1030.9
180°	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	966.0	961.4	958.3	956.0	953.7	960.6	951.4	941.5	934.6	930.0	928.5
5°	1067.1	1057.2	1048.7	1041.8	1043.4	1043.4	1027.3	1009.7	994.3	985.9	976.7
7.5°	1184.3	1173.6	1156.8	1152.9	1149.9	1130.7	1114.6	1082.4	1063.3	1044.1	1027.3
10°	1300.8	1287.0	1270.9	1265.5	1257.9	1234.1	1209.6	1168.2	1144.5	1109.3	1087.0
12.5°	1409.6	1392.7	1376.6	1372.8	1361.3	1340.6	1298.5	1255.6	1215.0	1177.4	1138.4
15°	1500.7	1496.1	1471.6	1456.3	1431.0	1402.7	1393.5	1335.2	1283.9	1244.8	1174.4
17.5°	1577.3	1555.9	1532.9	1522.9	1513.0	1480.0	1447.1	1387.3	1332.2	1274.7	1229.5
20°	1638.6	1614.9	1598.8	1584.2	1579.6	1542.1	1490.0	1437.1	1376.6	1312.3	1253.3
22.5°	1641.7	1638.6	1627.9	1619.5	1610.3	1585.7	1544.4	1478.5	1414.1	1343.7	1266.3
25°	1578.1	1573.5	1604.1	1596.5	1602.6	1593.4	1571.2	1516.0	1441.0	1358.2	1280.1
27.5°	1386.6	1433.3	1481.6	1498.4	1509.9	1542.8	1553.6	1522.9	1462.4	1374.3	1287.0
30°	1126.1	1188.2	1266.3	1308.4	1340.6	1401.9	1481.6	1491.5	1463.2	1392.7	1285.5
32.5°	884.0	940.7	1003.5	1053.3	1096.2	1221.9	1329.1	1406.5	1420.3	1383.5	1289.3
35°	712.4	737.0	796.7	844.2	902.4	1009.7	1136.1	1260.9	1345.2	1349.8	1277.8
37.5°	587.6	600.6	652.7	679.5	714.0	808.2	926.2	1089.3	1220.3	1282.4	1245.6
40°	486.4	516.3	546.2	561.5	586.0	651.2	764.5	892.5	1054.9	1169.8	1195.8
42.5°	422.1	435.1	454.3	475.7	491.0	547.7	623.6	740.8	887.1	1047.2	1119.2
45°	372.3	376.9	396.8	410.6	426.7	466.5	520.2	618.2	746.9	904.7	1027.3
47.5°	330.9	340.1	350.9	359.3	370.0	400.6	446.6	517.9	631.2	772.2	904.0
50°	294.2	299.5	313.3	317.1	324.8	346.3	381.5	435.9	529.3	642.0	778.3
52.5°	259.7	269.7	275.0	280.4	287.3	304.9	327.9	372.3	442.8	548.5	664.2
55°	232.9	235.9	243.6	248.2	253.6	265.8	285.7	318.7	373.8	458.1	567.7
57.5°	206.8	206.8	214.5	218.3	223.7	232.9	250.5	275.8	315.6	378.4	478.8
60°	179.3	180.0	186.2	190.7	192.3	201.5	216.0	235.9	266.6	312.6	394.5
62.5°	154.7	158.6	161.6	163.2	168.5	173.9	186.2	199.9	221.4	262.0	320.2
65°	134.1	134.8	137.1	138.7	141.0	147.1	156.3	165.5	183.9	213.7	261.2
67.5°	110.3	113.4	116.4	116.4	118.7	121.8	131.0	138.7	152.4	170.1	202.2
70°	82.7	84.3	88.9	91.2	94.2	99.6	104.2	108.8	119.5	132.5	157.0
72.5°	68.9	68.9	70.5	71.2	71.2	75.1	82.0	86.6	91.9	101.1	118.0
75°	55.2	55.2	57.5	56.7	58.2	59.8	60.5	63.6	66.6	73.5	83.5
77.5°	43.7	44.4	44.4	45.2	45.2	46.0	46.7	48.3	49.8	53.6	58.2
80°	32.2	32.9	32.9	33.7	33.7	34.5	35.2	36.0	37.5	39.1	41.4
82.5°	22.2	23.0	23.0	23.7	23.0	23.7	24.5	24.5	25.3	26.8	27.6
85°	13.0	13.0	13.8	13.0	13.0	13.0	13.8	13.8	14.6	16.9	16.9
87.5°	3.8	4.6	3.8	4.6	4.6	4.6	4.6	5.4	5.4	6.1	6.9
90°	22.3	22.0	21.7	21.5	21.2	20.5	19.8	19.1	18.4	16.2	14.0
92.5°	25.7	25.6	25.4	25.3	24.7	23.5	22.3	21.1	19.9	18.4	16.8
95°	29.1	29.1	29.1	29.1	28.5	27.3	26.2	25.0	23.8	21.9	20.0
97.5°	31.1	30.9	30.8	30.7	30.0	28.6	27.3	25.9	24.5	33.2	41.9
100°	31.8	31.7	31.5	31.4	30.7	29.4	28.0	26.7	25.3	51.9	78.5
102.5°	32.3	31.9	31.6	31.4	34.2	39.9	45.5	51.2	56.8	86.4	116.1
105°	33.0	32.7	32.4	32.2	47.3	77.5	107.6	137.8	168.0	183.3	198.7
107.5°	124.4	146.7	169.0	180.2	193.3	219.6	245.8	272.1	298.3	295.7	293.2
110°	259.7	284.0	308.4	320.6	323.4	329.0	334.7	340.3	345.9	344.0	342.1

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	400.3	400.6	400.9	401.1	400.3	398.8	397.3	395.7	394.2	392.3	390.5
115°	449.6	448.9	448.2	447.9	447.0	445.3	443.6	441.9	440.2	438.7	437.1
117.5°	492.0	491.9	491.7	491.6	490.9	489.6	488.2	486.9	485.5	484.6	483.8
120°	535.3	535.3	535.3	535.3	534.6	533.3	531.9	530.6	529.2	528.7	528.2
122.5°	577.1	577.0	576.8	576.7	576.3	575.4	574.6	573.7	572.9	572.2	571.5
125°	615.9	615.6	615.3	615.1	614.9	614.6	614.2	613.9	613.5	612.8	612.2
127.5°	655.6	656.0	656.3	656.5	656.2	655.7	655.2	654.7	654.2	653.3	652.5
130°	692.5	692.8	693.1	693.3	693.0	692.3	691.6	690.9	690.2	689.5	688.9
132.5°	726.5	727.0	727.5	727.8	727.5	726.8	726.1	725.4	724.7	724.2	723.7
135°	761.0	761.5	762.0	762.3	762.0	761.5	761.0	760.5	760.0	759.3	758.6
137.5°	793.7	794.0	794.3	794.5	794.1	793.2	792.4	791.5	790.7	790.4	790.0
140°	822.8	823.2	823.5	823.7	823.4	822.7	822.0	821.3	820.6	820.1	819.6
142.5°	850.0	850.5	851.0	851.3	851.0	850.5	850.0	849.5	849.0	848.5	848.0
145°	876.6	876.6	876.6	876.6	876.4	876.1	875.7	875.4	875.0	874.7	874.3
147.5°	898.2	899.1	900.0	900.4	900.2	899.9	899.5	899.2	898.8	898.5	898.1
150°	920.5	921.0	921.5	921.8	921.6	921.3	921.0	920.6	920.3	920.0	919.6
152.5°	939.6	940.5	941.4	941.8	941.5	940.8	940.1	939.4	938.7	938.5	938.3
155°	956.8	957.9	958.9	959.4	959.0	958.1	957.3	956.4	955.6	955.4	955.2
157.5°	972.1	973.5	974.8	975.5	975.0	974.0	972.9	971.9	970.9	971.1	971.3
160°	985.6	986.7	987.9	988.5	988.0	987.0	985.9	984.9	983.9	984.1	984.3
162.5°	998.2	999.3	1000.3	1000.8	1000.2	999.0	997.9	996.7	995.5	995.7	995.8
165°	1008.6	1009.8	1011.0	1011.6	1010.9	1009.5	1008.2	1006.8	1005.4	1005.6	1005.8
167.5°	1016.6	1018.0	1019.3	1020.0	1019.3	1018.0	1016.6	1015.3	1013.9	1013.9	1013.9
170°	1023.5	1024.9	1026.2	1026.9	1026.2	1024.9	1023.5	1022.2	1020.8	1020.8	1020.8
172.5°	1027.7	1029.2	1030.7	1031.5	1030.8	1029.5	1028.1	1026.8	1025.4	1025.2	1025.0
175°	1031.2	1032.5	1033.9	1034.6	1034.0	1032.8	1031.6	1030.4	1029.2	1029.0	1028.8
177.5°	1032.6	1034.3	1036.0	1036.9	1036.2	1034.8	1033.5	1032.1	1030.7	1030.5	1030.4
180°	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	926.2	922.3	918.5	918.5	910.1	902.4	898.6	900.1	895.5	889.4	883.3
5°	966.8	951.4	948.4	940.0	928.5	912.4	904.0	896.3	887.1	874.8	863.4
7.5°	1004.3	984.4	973.7	965.2	943.0	920.8	902.4	890.2	874.1	855.7	841.9
10°	1053.3	1016.6	1005.1	985.9	954.5	923.1	901.7	881.7	859.5	838.1	819.7
12.5°	1092.4	1050.3	1028.8	1009.7	969.1	929.2	893.2	868.7	841.9	818.2	794.4
15°	1136.8	1089.3	1051.8	1028.8	977.5	929.2	888.6	854.2	824.3	795.2	774.5
17.5°	1158.3	1098.5	1081.7	1048.7	974.4	926.2	876.4	839.6	803.6	769.9	745.4
20°	1192.0	1122.3	1080.1	1057.9	992.0	920.8	862.6	820.5	782.9	746.9	720.9
22.5°	1194.3	1118.4	1090.9	1048.7	967.5	904.7	850.3	799.0	755.3	721.6	694.8
25°	1188.9	1111.6	1073.3	1039.5	972.1	895.5	825.8	775.3	732.4	693.3	661.9
27.5°	1186.6	1091.6	1055.6	1021.9	946.1	868.7	811.3	753.8	704.8	670.3	638.1
30°	1183.6	1070.2	1026.5	987.5	917.7	848.0	779.1	729.3	682.6	638.9	606.7
32.5°	1163.6	1041.1	996.6	955.3	880.2	810.5	756.1	703.2	652.7	612.1	583.0
35°	1157.5	1014.3	956.0	911.6	838.1	776.0	718.6	674.9	627.4	586.8	552.3
37.5°	1139.9	986.7	923.9	867.2	790.6	731.6	689.5	645.8	599.8	556.2	528.6
40°	1109.3	954.5	883.3	825.0	746.1	686.4	647.3	615.1	569.9	530.9	497.2
42.5°	1064.1	921.6	845.0	783.7	696.3	640.4	608.3	577.6	539.3	498.7	471.1
45°	1012.0	877.9	806.7	738.5	649.6	595.2	561.5	543.1	507.9	473.4	441.3
47.5°	940.7	832.7	762.2	691.8	601.4	548.5	521.7	503.3	478.8	441.3	415.2
50°	851.1	774.5	707.8	645.0	553.9	503.3	476.5	462.7	442.0	415.2	389.9
52.5°	751.5	707.1	651.9	593.7	505.6	458.1	433.6	422.9	407.5	382.3	360.8
55°	651.2	632.0	594.5	537.0	455.0	416.0	394.5	380.7	369.2	350.9	332.5
57.5°	561.5	552.3	526.3	481.9	412.9	372.3	353.9	344.7	335.5	321.7	303.4
60°	468.8	478.8	452.0	429.8	366.9	331.7	315.6	305.7	301.1	288.8	277.3
62.5°	388.4	397.6	382.3	365.4	321.0	289.6	279.6	270.4	267.4	256.6	245.1
65°	315.6	327.1	315.6	306.4	279.6	253.6	241.3	236.7	233.6	226.8	217.6
67.5°	251.3	262.8	257.4	245.9	237.5	216.0	209.1	204.5	203.0	197.6	190.0
70°	189.2	205.3	206.8	199.9	192.3	182.3	177.7	176.2	172.4	167.8	163.2
72.5°	136.4	154.7	155.5	155.5	150.9	150.9	146.3	144.0	144.0	139.4	134.1
75°	100.4	112.6	114.1	115.7	118.0	120.3	117.2	117.2	116.4	111.8	109.5
77.5°	66.6	77.4	81.2	86.6	89.6	89.6	91.2	92.7	91.2	88.9	87.3
80°	42.9	50.6	55.2	58.2	62.8	65.1	67.4	68.2	66.6	65.9	63.6
82.5°	28.3	30.6	32.9	36.8	42.1	46.0	46.0	45.2	46.7	46.0	45.2
85°	16.1	17.6	18.4	19.2	22.2	26.0	26.8	27.6	29.1	27.6	26.0
87.5°	6.1	6.9	6.9	6.9	8.4	9.2	11.5	14.6	13.8	12.3	12.3
90°	11.7	9.5	8.4	7.6	5.9	4.2	2.5	0.8	2.5	4.2	5.9
92.5°	15.3	13.8	13.0	13.5	14.5	15.6	16.6	17.6	16.6	15.6	14.5
95°	18.1	16.2	15.3	18.8	25.8	32.8	39.8	46.8	39.8	32.8	25.8
97.5°	50.6	59.3	63.7	66.1	70.8	75.6	80.3	85.1	80.3	75.6	70.8
100°	105.0	131.6	144.9	143.2	139.8	136.4	133.0	129.6	133.0	136.4	139.8
102.5°	145.7	175.4	190.2	189.1	186.9	184.6	182.4	180.2	182.4	184.6	186.9
105°	214.0	229.3	237.0	236.1	234.2	232.3	230.4	228.5	230.4	232.3	234.2
107.5°	290.6	288.1	286.8	286.0	284.5	283.0	281.4	279.9	281.4	283.0	284.5
110°	340.2	338.3	337.4	336.7	335.4	334.0	332.7	331.3	332.7	334.0	335.4

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	388.6	386.7	385.8	385.2	384.0	382.8	381.6	380.4	381.6	382.8	384.0
115°	435.6	434.1	433.3	432.8	431.8	430.7	429.7	428.7	429.7	430.7	431.8
117.5°	482.9	482.0	481.6	481.0	479.8	478.7	477.5	476.3	477.5	478.7	479.8
120°	527.7	527.2	526.9	526.1	524.6	523.1	521.5	520.0	521.5	523.1	524.6
122.5°	570.8	570.1	569.8	569.2	568.0	566.8	565.6	564.4	565.6	566.8	568.0
125°	611.5	610.8	610.5	609.8	608.4	607.1	605.7	604.3	605.7	607.1	608.4
127.5°	651.6	650.7	650.3	649.6	648.3	646.9	645.6	644.2	645.6	646.9	648.3
130°	688.2	687.5	687.2	686.5	685.1	683.8	682.4	681.0	682.4	683.8	685.1
132.5°	723.2	722.7	722.4	721.7	720.4	719.0	717.7	716.3	717.7	719.0	720.4
135°	757.9	757.2	756.9	756.4	755.4	754.3	753.3	752.3	753.3	754.3	755.4
137.5°	789.7	789.4	789.2	788.5	787.1	785.8	784.4	783.0	784.4	785.8	787.1
140°	819.1	818.6	818.3	817.8	816.8	815.7	814.7	813.7	814.7	815.7	816.8
142.5°	847.5	847.0	846.7	846.2	845.2	844.1	843.1	842.1	843.1	844.1	845.2
145°	874.0	873.7	873.5	872.9	871.7	870.5	869.3	868.1	869.3	870.5	871.7
147.5°	897.8	897.5	897.3	896.9	896.0	895.2	894.3	893.5	894.3	895.2	896.0
150°	919.3	919.0	918.8	918.5	918.0	917.5	917.0	916.5	917.0	917.5	918.0
152.5°	938.2	938.0	937.9	937.8	937.7	937.5	937.4	937.2	937.4	937.5	937.7
155°	955.1	954.9	954.8	955.0	955.3	955.6	956.0	956.3	956.0	955.6	955.3
157.5°	971.4	971.6	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
160°	984.4	984.6	984.7	984.8	985.0	985.1	985.3	985.5	985.3	985.1	985.0
162.5°	996.0	996.1	996.2	996.5	997.0	997.5	998.0	998.5	998.0	997.5	997.0
165°	1005.9	1006.1	1006.2	1006.5	1007.0	1007.5	1008.0	1008.5	1008.0	1007.5	1007.0
167.5°	1013.9	1013.9	1013.9	1014.2	1014.9	1015.6	1016.2	1016.9	1016.2	1015.6	1014.9
170°	1020.8	1020.8	1020.8	1021.1	1021.8	1022.5	1023.1	1023.8	1023.1	1022.5	1021.8
172.5°	1024.9	1024.7	1024.6	1025.0	1025.9	1026.7	1027.6	1028.4	1027.6	1026.7	1025.9
175°	1028.7	1028.5	1028.4	1028.8	1029.7	1030.6	1031.4	1032.3	1031.4	1030.6	1029.7
177.5°	1030.2	1030.1	1030.0	1030.4	1031.3	1032.1	1033.0	1033.8	1033.0	1032.1	1031.3
180°	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	883.3	879.4	877.9	874.1	864.9	858.8	851.9	847.3	848.0	844.2	846.5
5°	855.7	854.9	849.6	841.9	828.9	822.0	809.7	803.6	800.5	801.3	796.7
7.5°	832.7	825.8	822.0	809.7	797.5	782.9	773.0	767.6	763.0	758.4	755.3
10°	806.7	800.5	794.4	781.4	764.5	750.7	737.0	731.6	724.7	721.6	719.3
12.5°	779.1	775.3	767.6	752.3	733.1	720.1	704.0	700.9	691.8	685.6	684.1
15°	753.8	751.5	737.7	720.1	700.9	687.9	674.1	664.9	649.6	652.7	647.3
17.5°	727.0	717.0	708.6	684.9	675.7	655.7	639.7	635.1	624.3	617.4	610.6
20°	697.1	691.0	680.3	664.9	642.7	619.7	607.5	599.8	593.7	583.0	579.9
22.5°	668.8	661.1	651.9	632.0	612.8	593.7	576.8	569.9	562.3	554.6	550.0
25°	646.6	635.1	625.1	600.6	581.4	565.4	554.6	543.1	532.4	527.8	526.3
27.5°	612.1	605.2	595.2	572.2	554.6	537.0	527.0	519.4	507.9	502.5	497.9
30°	589.9	576.1	564.6	546.2	528.6	509.4	500.2	491.0	484.2	477.3	471.9
32.5°	560.0	549.3	540.1	521.7	504.1	486.4	476.5	462.7	458.9	453.5	447.4
35°	530.9	524.0	514.0	494.1	475.0	462.7	452.0	439.0	434.4	430.5	425.2
37.5°	503.3	493.3	486.4	467.3	450.4	435.9	427.5	416.7	413.7	409.1	405.2
40°	479.6	469.6	462.7	443.5	425.9	410.6	405.2	394.5	389.9	384.6	382.3
42.5°	452.7	444.3	435.1	421.3	402.9	387.6	376.9	370.8	364.6	362.3	357.8
45°	424.4	416.7	409.8	394.5	375.4	364.6	355.5	347.0	342.4	338.6	335.5
47.5°	399.9	393.0	383.8	366.9	351.6	341.7	332.5	324.0	319.4	314.9	311.0
50°	371.5	367.7	357.8	341.7	327.1	315.6	307.2	299.5	296.5	291.1	285.0
52.5°	346.3	339.4	330.9	317.9	304.9	291.1	279.6	275.0	269.7	266.6	261.2
55°	316.4	311.8	302.6	291.1	277.3	265.8	257.4	251.3	244.4	241.3	234.4
57.5°	291.1	282.7	278.1	263.5	250.5	239.0	232.9	226.8	219.1	214.5	211.4
60°	263.5	255.9	249.0	236.7	227.5	215.3	206.1	200.7	195.3	189.2	186.2
62.5°	236.7	230.6	222.2	212.2	200.7	190.7	183.9	176.2	173.1	167.0	164.7
65°	207.6	203.0	196.1	184.6	175.4	167.0	160.1	154.0	150.9	148.6	147.1
67.5°	181.6	175.4	170.8	160.9	150.9	144.0	140.2	136.4	132.5	130.2	127.9
70°	154.7	150.1	145.6	136.4	129.5	123.3	120.3	117.2	114.9	112.6	110.3
72.5°	127.2	124.9	120.3	114.1	108.8	104.2	101.9	98.1	95.8	91.9	90.4
75°	105.0	101.1	98.8	93.5	88.9	85.0	82.0	77.4	74.3	72.8	72.0
77.5°	82.7	81.2	78.1	73.5	71.2	67.4	62.8	61.3	59.8	59.8	59.0
80°	62.1	59.8	57.5	53.6	51.3	48.3	48.3	48.3	47.5	48.3	47.5
82.5°	42.1	40.6	39.1	36.8	36.0	36.0	36.8	36.8	36.8	36.8	36.8
85°	24.5	24.5	24.5	25.3	24.5	24.5	25.3	26.0	25.3	25.3	24.5
87.5°	11.5	11.5	12.3	12.3	13.0	13.0	13.0	13.0	13.0	13.0	13.8
90°	7.6	8.4	9.5	11.7	14.0	16.2	18.4	19.1	19.8	20.5	21.2
92.5°	13.5	13.0	13.8	15.3	16.8	18.4	19.9	21.1	22.3	23.5	24.7
95°	18.8	15.3	16.2	18.1	20.0	21.9	23.8	25.0	26.2	27.3	28.5
97.5°	66.1	63.7	59.3	50.6	41.9	33.2	24.5	25.9	27.3	28.6	30.0
100°	143.2	144.9	131.6	105.0	78.5	51.9	25.3	26.7	28.0	29.4	30.7
102.5°	189.1	190.2	175.4	145.7	116.1	86.4	56.8	51.2	45.5	39.9	34.2
105°	236.1	237.0	229.3	214.0	198.7	183.3	168.0	137.8	107.6	77.5	47.3
107.5°	286.0	286.8	288.1	290.6	293.2	295.7	298.3	272.1	245.8	219.6	193.3
110°	336.7	337.4	338.3	340.2	342.1	344.0	345.9	340.3	334.7	329.0	323.4

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	385.2	385.8	386.7	388.6	390.5	392.3	394.2	395.7	397.3	398.8	400.3
115°	432.8	433.3	434.1	435.6	437.1	438.7	440.2	441.9	443.6	445.3	447.0
117.5°	481.0	481.6	482.0	482.9	483.8	484.6	485.5	486.9	488.2	489.6	490.9
120°	526.1	526.9	527.2	527.7	528.2	528.7	529.2	530.6	531.9	533.3	534.6
122.5°	569.2	569.8	570.1	570.8	571.5	572.2	572.9	573.7	574.6	575.4	576.3
125°	609.8	610.5	610.8	611.5	612.2	612.8	613.5	613.9	614.2	614.6	614.9
127.5°	649.6	650.3	650.7	651.6	652.5	653.3	654.2	654.7	655.2	655.7	656.2
130°	686.5	687.2	687.5	688.2	688.9	689.5	690.2	690.9	691.6	692.3	693.0
132.5°	721.7	722.4	722.7	723.2	723.7	724.2	724.7	725.4	726.1	726.8	727.5
135°	756.4	756.9	757.2	757.9	758.6	759.3	760.0	760.5	761.0	761.5	762.0
137.5°	788.5	789.2	789.4	789.7	790.0	790.4	790.7	791.5	792.4	793.2	794.1
140°	817.8	818.3	818.6	819.1	819.6	820.1	820.6	821.3	822.0	822.7	823.4
142.5°	846.2	846.7	847.0	847.5	848.0	848.5	849.0	849.5	850.0	850.5	851.0
145°	872.9	873.5	873.7	874.0	874.3	874.7	875.0	875.4	875.7	876.1	876.4
147.5°	896.9	897.3	897.5	897.8	898.1	898.5	898.8	899.2	899.5	899.9	900.2
150°	918.5	918.8	919.0	919.3	919.6	920.0	920.3	920.6	921.0	921.3	921.6
152.5°	937.8	937.9	938.0	938.2	938.3	938.5	938.7	939.4	940.1	940.8	941.5
155°	955.0	954.8	954.9	955.1	955.2	955.4	955.6	956.4	957.3	958.1	959.0
157.5°	971.7	971.7	971.6	971.4	971.3	971.1	970.9	971.9	972.9	974.0	975.0
160°	984.8	984.7	984.6	984.4	984.3	984.1	983.9	984.9	985.9	987.0	988.0
162.5°	996.5	996.2	996.1	996.0	995.8	995.7	995.5	996.7	997.9	999.0	1000.2
165°	1006.5	1006.2	1006.1	1005.9	1005.8	1005.6	1005.4	1006.8	1008.2	1009.5	1010.9
167.5°	1014.2	1013.9	1013.9	1013.9	1013.9	1013.9	1013.9	1015.3	1016.6	1018.0	1019.3
170°	1021.1	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1022.2	1023.5	1024.9	1026.2
172.5°	1025.0	1024.6	1024.7	1024.9	1025.0	1025.2	1025.4	1026.8	1028.1	1029.5	1030.8
175°	1028.8	1028.4	1028.5	1028.7	1028.8	1029.0	1029.2	1030.4	1031.6	1032.8	1034.0
177.5°	1030.4	1030.0	1030.1	1030.2	1030.4	1030.5	1030.7	1032.1	1033.5	1034.8	1036.2
180°	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	845.7	846.5	844.2	839.6	838.8	840.4	845.0	843.4	839.6	846.5	840.4
5°	799.0	795.2	793.6	795.2	790.6	788.3	792.9	790.6	792.9	793.6	795.9
7.5°	753.8	754.6	750.0	750.7	744.6	746.1	746.1	746.1	748.4	750.0	753.0
10°	714.7	716.3	710.9	711.7	707.1	704.0	706.3	710.9	710.9	710.9	712.4
12.5°	683.3	676.4	672.6	671.8	666.5	664.9	669.5	671.1	674.9	674.9	677.2
15°	644.3	642.7	639.7	639.7	626.6	629.7	631.2	636.6	644.3	638.1	639.7
17.5°	609.0	605.2	601.4	599.8	598.3	593.7	599.8	599.1	603.7	604.4	606.7
20°	577.6	574.5	566.9	567.7	569.2	562.3	566.1	566.1	570.7	575.3	580.7
22.5°	547.0	543.9	540.1	541.6	537.0	535.5	535.5	539.3	544.7	548.5	547.7
25°	523.2	517.9	515.6	513.3	511.0	512.5	510.2	514.0	517.9	520.2	517.9
27.5°	496.4	494.1	489.5	487.2	483.4	484.9	486.4	489.5	491.8	491.8	494.1
30°	470.4	467.3	465.8	463.5	463.5	460.4	461.2	464.2	466.5	468.8	471.9
32.5°	445.1	442.8	440.5	440.5	439.0	438.2	437.4	442.0	442.0	446.6	446.6
35°	424.4	420.6	420.6	416.7	418.3	417.5	416.0	419.0	419.8	422.9	422.1
37.5°	401.4	401.4	399.9	396.1	393.0	393.8	397.6	397.6	399.9	399.1	401.4
40°	378.4	376.9	376.9	374.6	373.8	373.1	373.8	374.6	378.4	377.7	378.4
42.5°	355.5	356.2	352.4	352.4	352.4	350.1	350.9	351.6	353.2	354.7	357.0
45°	333.2	331.7	330.9	329.4	327.9	328.6	327.9	330.9	330.2	331.7	334.0
47.5°	309.5	307.2	306.4	303.4	303.4	304.9	304.1	306.4	307.2	309.5	308.0
50°	286.5	283.4	281.1	281.9	277.3	278.8	278.8	281.1	283.4	284.2	285.7
52.5°	259.7	258.9	258.2	254.3	253.6	252.8	253.6	254.3	257.4	259.7	260.5
55°	233.6	232.9	228.3	226.8	224.5	224.5	226.0	226.8	232.1	232.9	235.9
57.5°	209.9	207.6	202.2	201.5	201.5	201.5	199.2	202.2	203.8	207.6	207.6
60°	183.9	183.9	179.3	179.3	180.0	179.3	179.3	180.0	180.0	183.1	184.6
62.5°	163.2	162.4	162.4	160.9	160.1	160.9	160.1	160.1	160.9	163.2	165.5
65°	144.8	144.0	143.3	142.5	141.0	141.0	141.7	143.3	143.3	144.8	145.6
67.5°	127.2	127.2	125.6	125.6	124.9	124.1	124.9	124.1	127.2	127.2	127.9
70°	109.5	108.8	106.5	105.7	103.4	104.2	104.2	106.5	107.2	108.8	110.3
72.5°	88.1	88.1	86.6	85.0	85.8	84.3	84.3	85.0	85.0	87.3	88.1
75°	72.8	71.2	70.5	71.2	70.5	72.0	70.5	70.5	72.0	72.0	72.0
77.5°	59.8	59.8	59.0	59.0	59.8	59.0	59.8	59.8	59.8	59.0	59.8
80°	49.0	48.3	48.3	48.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
82.5°	36.8	36.8	36.0	36.8	36.8	36.0	36.8	36.0	36.0	36.8	36.8
85°	24.5	26.0	24.5	24.5	25.3	25.3	26.0	25.3	26.0	24.5	25.3
87.5°	13.0	13.8	13.8	13.0	13.0	13.8	13.8	13.8	14.6	13.0	13.8
90°	21.5	21.7	22.0	22.3	22.7	23.0	22.7	22.3	22.0	21.7	21.5
92.5°	25.3	25.4	25.6	25.7	25.9	26.1	25.9	25.7	25.6	25.4	25.3
95°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
97.5°	30.7	30.8	30.9	31.1	31.2	31.4	31.2	31.1	30.9	30.8	30.7
100°	31.4	31.5	31.7	31.8	32.0	32.2	32.0	31.8	31.7	31.5	31.4
102.5°	31.4	31.6	31.9	32.3	32.6	33.0	32.6	32.3	31.9	31.6	31.4
105°	32.2	32.4	32.7	33.0	33.4	33.7	33.4	33.0	32.7	32.4	32.2
107.5°	180.2	169.0	146.7	124.4	102.1	79.8	102.1	124.4	146.7	169.0	180.2
110°	320.6	308.4	284.0	259.7	235.3	210.9	235.3	259.7	284.0	308.4	320.6

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	401.1	400.9	400.6	400.3	399.9	399.6	399.9	400.3	400.6	400.9	401.1
115°	447.9	448.2	448.9	449.6	450.2	450.9	450.2	449.6	448.9	448.2	447.9
117.5°	491.6	491.7	491.9	492.0	492.2	492.4	492.2	492.0	491.9	491.7	491.6
120°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3
122.5°	576.7	576.8	577.0	577.1	577.3	577.5	577.3	577.1	577.0	576.8	576.7
125°	615.1	615.3	615.6	615.9	616.3	616.6	616.3	615.9	615.6	615.3	615.1
127.5°	656.5	656.3	656.0	655.6	655.3	654.9	655.3	655.6	656.0	656.3	656.5
130°	693.3	693.1	692.8	692.5	692.1	691.8	692.1	692.5	692.8	693.1	693.3
132.5°	727.8	727.5	727.0	726.5	726.0	725.5	726.0	726.5	727.0	727.5	727.8
135°	762.3	762.0	761.5	761.0	760.5	760.0	760.5	761.0	761.5	762.0	762.3
137.5°	794.5	794.3	794.0	793.7	793.3	793.0	793.3	793.7	794.0	794.3	794.5
140°	823.7	823.5	823.2	822.8	822.5	822.1	822.5	822.8	823.2	823.5	823.7
142.5°	851.3	851.0	850.5	850.0	849.5	849.0	849.5	850.0	850.5	851.0	851.3
145°	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6	876.6
147.5°	900.4	900.0	899.1	898.2	897.4	896.5	897.4	898.2	899.1	900.0	900.4
150°	921.8	921.5	921.0	920.5	920.0	919.5	920.0	920.5	921.0	921.5	921.8
152.5°	941.8	941.4	940.5	939.6	938.8	937.9	938.8	939.6	940.5	941.4	941.8
155°	959.4	958.9	957.9	956.8	955.8	954.8	955.8	956.8	957.9	958.9	959.4
157.5°	975.5	974.8	973.5	972.1	970.8	969.4	970.8	972.1	973.5	974.8	975.5
160°	988.5	987.9	986.7	985.6	984.4	983.2	984.4	985.6	986.7	987.9	988.5
162.5°	1000.8	1000.3	999.3	998.2	997.2	996.2	997.2	998.2	999.3	1000.3	1000.8
165°	1011.6	1011.0	1009.8	1008.6	1007.4	1006.2	1007.4	1008.6	1009.8	1011.0	1011.6
167.5°	1020.0	1019.3	1018.0	1016.6	1015.3	1013.9	1015.3	1016.6	1018.0	1019.3	1020.0
170°	1026.9	1026.2	1024.9	1023.5	1022.2	1020.8	1022.2	1023.5	1024.9	1026.2	1026.9
172.5°	1031.5	1030.7	1029.2	1027.7	1026.1	1024.6	1026.1	1027.7	1029.2	1030.7	1031.5
175°	1034.6	1033.9	1032.5	1031.2	1029.8	1028.4	1029.8	1031.2	1032.5	1033.9	1034.6
177.5°	1036.9	1036.0	1034.3	1032.6	1030.9	1029.2	1030.9	1032.6	1034.3	1036.0	1036.9
180°	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	846.5	849.6	846.5	840.4	846.5	850.3	854.2	860.3	863.4	863.4	867.9
5°	798.2	804.4	802.1	800.5	806.7	810.5	816.6	824.3	832.7	838.1	844.2
7.5°	755.3	759.2	763.0	763.0	769.1	777.6	786.7	795.9	806.7	814.3	818.9
10°	717.8	720.9	723.2	726.2	735.4	744.6	756.9	768.4	777.6	786.0	793.6
12.5°	681.8	686.4	691.8	694.1	700.9	712.4	723.9	737.7	752.3	760.7	768.4
15°	647.3	649.6	655.7	662.6	668.8	681.0	695.6	710.1	722.4	735.4	742.3
17.5°	612.1	612.8	628.9	625.1	645.0	656.5	664.2	678.0	697.9	708.6	719.3
20°	577.6	585.3	592.2	596.0	606.7	619.7	642.0	652.7	668.8	678.7	687.9
22.5°	550.8	562.3	562.3	571.5	576.8	589.1	605.2	625.9	643.5	650.4	663.4
25°	527.0	532.4	541.6	544.7	554.6	565.4	576.1	598.3	617.4	626.6	635.8
27.5°	496.4	503.3	515.6	515.6	528.6	540.1	553.1	567.7	586.8	599.8	609.8
30°	472.7	479.6	484.9	493.3	498.7	509.4	532.4	543.1	560.0	571.5	583.7
32.5°	450.4	455.8	460.4	469.6	475.7	488.0	500.2	519.4	533.9	544.7	557.7
35°	425.9	431.3	437.4	444.3	453.5	465.0	476.5	492.6	507.1	517.1	527.8
37.5°	402.9	406.8	416.0	420.6	428.2	439.0	453.5	470.4	483.4	491.0	501.8
40°	380.7	383.8	390.7	399.1	404.5	412.9	428.2	442.8	458.9	468.1	476.5
42.5°	357.0	360.8	366.9	375.4	383.8	393.0	401.4	418.3	432.8	440.5	449.7
45°	336.3	338.6	343.2	351.6	360.0	366.9	380.0	395.3	409.1	415.2	425.2
47.5°	311.8	314.1	321.0	324.8	334.0	343.2	356.2	371.5	383.8	389.9	399.1
50°	286.5	288.8	293.4	301.8	308.0	317.9	329.4	342.4	357.8	366.2	371.5
52.5°	262.0	266.6	270.4	277.3	285.0	294.9	305.7	317.9	330.9	339.4	345.5
55°	237.5	241.3	245.9	249.7	258.9	268.1	280.4	291.9	303.4	311.0	317.9
57.5°	209.9	215.3	219.9	227.5	234.4	242.1	255.9	265.1	278.8	284.2	290.3
60°	186.2	191.5	195.3	201.5	207.6	217.6	226.8	238.2	249.7	256.6	264.3
62.5°	166.2	168.5	170.8	177.0	183.1	192.3	201.5	213.0	225.2	229.1	235.2
65°	146.3	148.6	152.4	157.8	162.4	167.8	177.7	186.9	198.4	204.5	206.8
67.5°	129.5	131.8	132.5	136.4	140.2	146.3	151.7	160.9	171.6	175.4	180.0
70°	110.3	114.1	114.9	118.0	119.5	123.3	129.5	136.4	144.8	151.7	155.5
72.5°	88.1	93.5	95.0	99.6	101.9	105.7	110.3	115.7	121.0	124.1	127.2
75°	72.0	73.5	74.3	78.1	82.0	87.3	89.6	92.7	97.3	101.1	104.2
77.5°	59.8	60.5	61.3	61.3	62.1	65.1	69.7	73.5	76.6	78.1	80.4
80°	48.3	47.5	47.5	48.3	48.3	48.3	49.8	55.2	56.7	60.5	59.8
82.5°	37.5	36.0	36.8	36.0	36.0	36.0	36.0	36.8	36.8	39.1	40.6
85°	24.5	25.3	24.5	24.5	23.7	24.5	23.7	23.7	23.0	23.0	22.2
87.5°	13.0	13.8	13.0	13.0	12.3	13.0	12.3	12.3	11.5	11.5	10.0
90°	21.2	20.5	19.8	19.1	18.4	16.2	14.0	11.7	9.5	8.4	7.6
92.5°	24.7	23.5	22.3	21.1	19.9	18.4	16.8	15.3	13.8	13.0	13.5
95°	28.5	27.3	26.2	25.0	23.8	21.9	20.0	18.1	16.2	15.3	18.8
97.5°	30.0	28.6	27.3	25.9	24.5	33.2	41.9	50.6	59.3	63.7	66.1
100°	30.7	29.4	28.0	26.7	25.3	51.9	78.5	105.0	131.6	144.9	143.2
102.5°	34.2	39.9	45.5	51.2	56.8	86.4	116.1	145.7	175.4	190.2	189.1
105°	47.3	77.5	107.6	137.8	168.0	183.3	198.7	214.0	229.3	237.0	236.1
107.5°	193.3	219.6	245.8	272.1	298.3	295.7	293.2	290.6	288.1	286.8	286.0
110°	323.4	329.0	334.7	340.3	345.9	344.0	342.1	340.2	338.3	337.4	336.7

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	400.3	398.8	397.3	395.7	394.2	392.3	390.5	388.6	386.7	385.8	385.2
115°	447.0	445.3	443.6	441.9	440.2	438.7	437.1	435.6	434.1	433.3	432.8
117.5°	490.9	489.6	488.2	486.9	485.5	484.6	483.8	482.9	482.0	481.6	481.0
120°	534.6	533.3	531.9	530.6	529.2	528.7	528.2	527.7	527.2	526.9	526.1
122.5°	576.3	575.4	574.6	573.7	572.9	572.2	571.5	570.8	570.1	569.8	569.2
125°	614.9	614.6	614.2	613.9	613.5	612.8	612.2	611.5	610.8	610.5	609.8
127.5°	656.2	655.7	655.2	654.7	654.2	653.3	652.5	651.6	650.7	650.3	649.6
130°	693.0	692.3	691.6	690.9	690.2	689.5	688.9	688.2	687.5	687.2	686.5
132.5°	727.5	726.8	726.1	725.4	724.7	724.2	723.7	723.2	722.7	722.4	721.7
135°	762.0	761.5	761.0	760.5	760.0	759.3	758.6	757.9	757.2	756.9	756.4
137.5°	794.1	793.2	792.4	791.5	790.7	790.4	790.0	789.7	789.4	789.2	788.5
140°	823.4	822.7	822.0	821.3	820.6	820.1	819.6	819.1	818.6	818.3	817.8
142.5°	851.0	850.5	850.0	849.5	849.0	848.5	848.0	847.5	847.0	846.7	846.2
145°	876.4	876.1	875.7	875.4	875.0	874.7	874.3	874.0	873.7	873.5	872.9
147.5°	900.2	899.9	899.5	899.2	898.8	898.5	898.1	897.8	897.5	897.3	896.9
150°	921.6	921.3	921.0	920.6	920.3	920.0	919.6	919.3	919.0	918.8	918.5
152.5°	941.5	940.8	940.1	939.4	938.7	938.5	938.3	938.2	938.0	937.9	937.8
155°	959.0	958.1	957.3	956.4	955.6	955.4	955.2	955.1	954.9	954.8	955.0
157.5°	975.0	974.0	972.9	971.9	970.9	971.1	971.3	971.4	971.6	971.7	971.7
160°	988.0	987.0	985.9	984.9	983.9	984.1	984.3	984.4	984.6	984.7	984.8
162.5°	1000.2	999.0	997.9	996.7	995.5	995.7	995.8	996.0	996.1	996.2	996.5
165°	1010.9	1009.5	1008.2	1006.8	1005.4	1005.6	1005.8	1005.9	1006.1	1006.2	1006.5
167.5°	1019.3	1018.0	1016.6	1015.3	1013.9	1013.9	1013.9	1013.9	1013.9	1013.9	1014.2
170°	1026.2	1024.9	1023.5	1022.2	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1021.1
172.5°	1030.8	1029.5	1028.1	1026.8	1025.4	1025.2	1025.0	1024.9	1024.7	1024.6	1025.0
175°	1034.0	1032.8	1031.6	1030.4	1029.2	1029.0	1028.8	1028.7	1028.5	1028.4	1028.8
177.5°	1036.2	1034.8	1033.5	1032.1	1030.7	1030.5	1030.4	1030.2	1030.1	1030.0	1030.4
180°	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3	1032.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	894.8	894.8	894.8	894.8
2.5°	871.8	877.1	887.9	897.1
5°	853.4	861.8	877.9	894.0
7.5°	831.2	844.2	864.9	887.1
10°	809.7	826.6	851.9	877.9
12.5°	788.3	805.9	832.7	866.4
15°	763.0	781.4	813.6	854.2
17.5°	740.8	765.3	794.4	835.0
20°	717.0	735.4	773.0	815.9
22.5°	687.2	717.8	753.0	798.2
25°	663.4	690.2	725.5	776.8
27.5°	634.3	665.7	708.6	753.8
30°	610.6	636.6	676.4	730.8
32.5°	583.0	613.6	655.0	708.6
35°	558.5	584.5	623.6	678.0
37.5°	529.3	557.7	601.4	649.6
40°	504.1	531.6	573.0	618.2
42.5°	473.4	502.5	543.9	582.2
45°	448.9	475.7	508.7	543.9
47.5°	419.0	447.4	479.6	504.1
50°	392.2	418.3	443.5	464.2
52.5°	363.1	386.9	409.8	425.2
55°	336.3	354.7	373.1	383.8
57.5°	304.9	322.5	337.8	344.0
60°	277.3	291.9	301.8	308.7
62.5°	248.2	258.9	266.6	270.4
65°	219.9	227.5	231.4	235.2
67.5°	190.7	197.6	199.9	204.5
70°	160.1	167.8	169.3	171.6
72.5°	137.1	137.1	140.2	143.3
75°	109.5	111.1	112.6	112.6
77.5°	85.8	85.8	87.3	88.1
80°	62.8	63.6	63.6	62.8
82.5°	42.9	44.4	42.9	42.1
85°	23.7	26.8	25.3	25.3
87.5°	10.0	10.0	11.5	10.0
90°	5.9	4.2	2.5	0.8
92.5°	14.5	15.6	16.6	17.6
95°	25.8	32.8	39.8	46.8
97.5°	70.8	75.6	80.3	85.1
100°	139.8	136.4	133.0	129.6
102.5°	186.9	184.6	182.4	180.2
105°	234.2	232.3	230.4	228.5
107.5°	284.5	283.0	281.4	279.9
110°	335.4	334.0	332.7	331.3

TEST NUMBER: P1010961

CATALOG NUMBER: S123RDIP-B560D805UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	384.0	382.8	381.6	380.4
115°	431.8	430.7	429.7	428.7
117.5°	479.8	478.7	477.5	476.3
120°	524.6	523.1	521.5	520.0
122.5°	568.0	566.8	565.6	564.4
125°	608.4	607.1	605.7	604.3
127.5°	648.3	646.9	645.6	644.2
130°	685.1	683.8	682.4	681.0
132.5°	720.4	719.0	717.7	716.3
135°	755.4	754.3	753.3	752.3
137.5°	787.1	785.8	784.4	783.0
140°	816.8	815.7	814.7	813.7
142.5°	845.2	844.1	843.1	842.1
145°	871.7	870.5	869.3	868.1
147.5°	896.0	895.2	894.3	893.5
150°	918.0	917.5	917.0	916.5
152.5°	937.7	937.5	937.4	937.2
155°	955.3	955.6	956.0	956.3
157.5°	971.7	971.7	971.7	971.7
160°	985.0	985.1	985.3	985.5
162.5°	997.0	997.5	998.0	998.5
165°	1007.0	1007.5	1008.0	1008.5
167.5°	1014.9	1015.6	1016.2	1016.9
170°	1021.8	1022.5	1023.1	1023.8
172.5°	1025.9	1026.7	1027.6	1028.4
175°	1029.7	1030.6	1031.4	1032.3
177.5°	1031.3	1032.1	1033.0	1033.8
180°	1032.3	1032.3	1032.3	1032.3

(END OF REPORT)