

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: P1031166

Luminaire Tested: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031166
REPORT IS A COMBINATION OF REPORTS P994388 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K
Description: Define 3 Regressed Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

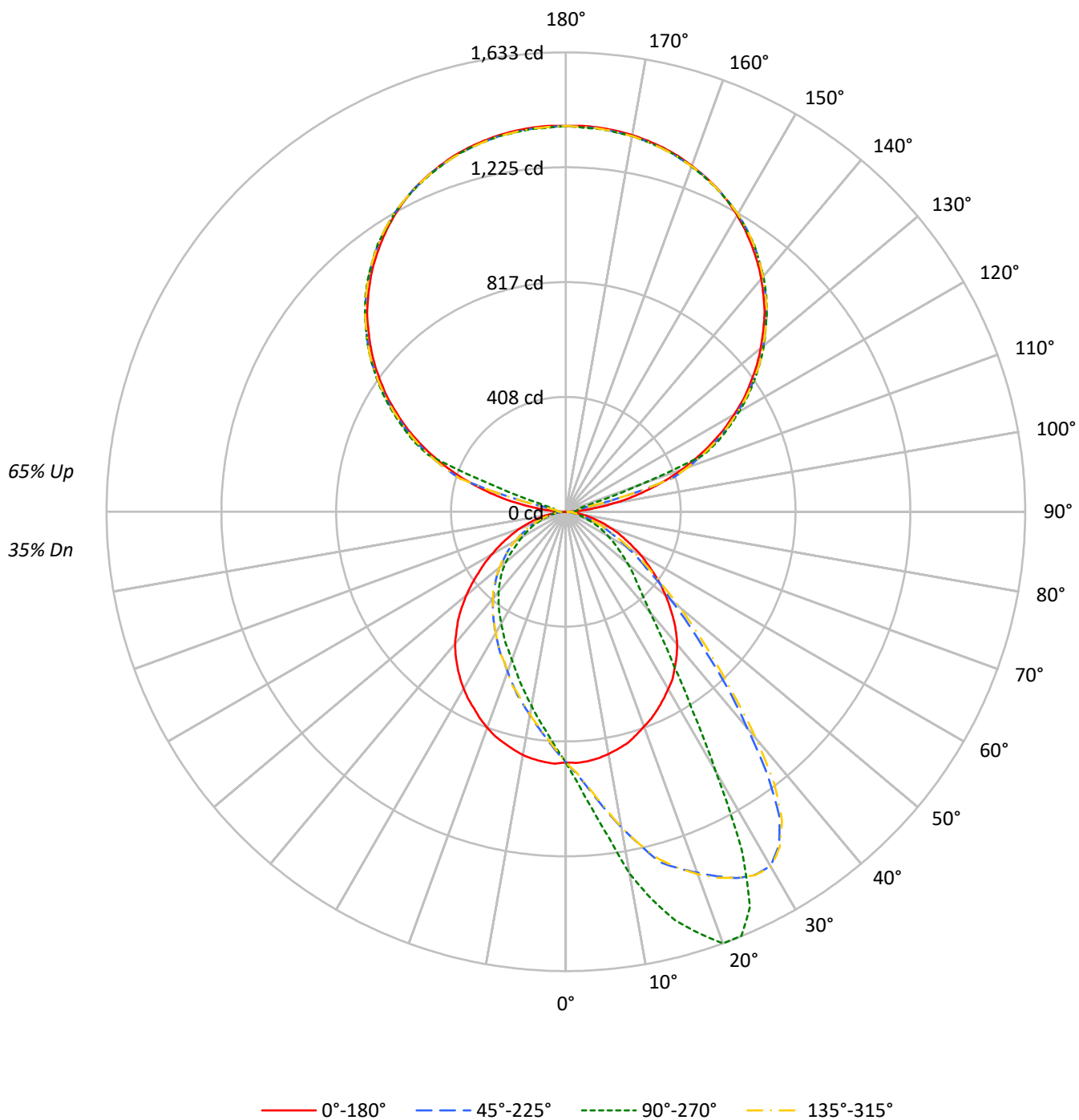
Lumens per Lamp: N/A
Luminaire Lumens: 6402.0 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 55.5
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: P1031166

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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42
1	95	91	87	84	86	82	79	76	66	64	62	51	50	49	38	37	36
2	87	80	74	69	78	72	67	63	58	55	52	46	43	41	34	32	31
3	79	70	63	58	71	64	58	53	52	48	44	41	38	35	30	28	27
4	73	62	55	49	65	57	50	45	46	42	38	36	33	31	27	25	24
5	67	56	48	42	60	51	44	39	41	37	33	33	29	27	25	23	21
6	61	50	42	37	55	46	39	34	37	32	29	30	26	24	23	20	18
7	57	45	38	32	51	41	35	30	34	29	25	27	24	21	21	18	16
8	53	41	34	28	48	38	31	26	31	26	23	25	21	19	19	17	15
9	49	37	30	25	44	34	28	24	28	24	20	23	19	17	18	15	13
10	46	34	27	23	41	31	25	21	26	21	18	21	18	15	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9592	9592	9592	9592
5°	9600	11047	9625	8196
10°	9515	13336	9557	7159
15°	9417	15136	9417	6313
20°	9224	16325	9275	5599
25°	9082	15511	9064	5109
30°	8918	10746	8899	4630
35°	8720	6900	8681	4268
40°	8474	4872	8432	3909
45°	8045	3899	8033	3559
50°	7519	3261	7493	3149
55°	6925	2688	6871	2669
60°	6345	2222	6281	2270
65°	5661	1778	5700	1925
70°	5033	1235	5168	1556
75°	4268	916	4439	1196
80°	3399	607	3686	897
85°	2421	288	2641	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.4
10°-20°	274.0	4.3
20°-30°	431.5	6.7
30°-40°	448.7	7.0
40°-50°	383.8	6.0
50°-60°	292.6	4.6
60°-70°	187.5	2.9
70°-80°	89.8	1.4
80°-90°	26.4	0.4
90°-100°	48.4	0.8
100°-110°	233.8	3.7
110°-120°	572.9	8.9
120°-130°	727.3	11.4
130°-140°	776.9	12.1
140°-150°	726.5	11.3
150°-160°	586.0	9.2
160°-170°	378.2	5.9
170°-180°	130.3	2.0
0°-30°	792.9	12.4
0°-40°	1241.6	19.4
0°-60°	1918.1	30.0
0°-90°	2221.7	34.7
90°-120°	855.0	13.4
90°-150°	3085.8	48.2
90°-180°	4180.0	65.3
0°-180°	6402.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	891	891	891	891	891	
5°	890	1058	893	785	890	84
15°	851	1504	851	627	851	239
25°	774	1550	772	510	774	356
35°	675	672	672	416	675	423
45°	542	359	541	327	542	417
55°	382	225	379	224	382	343
65°	234	130	236	140	234	234
75°	112	55	117	72	112	121
85°	25	13	28	25	25	28
90°	1	31	1	31	1	5
95°	62	39	62	39	62	74
105°	304	45	304	45	304	322
115°	570	599	570	599	570	562
125°	803	819	803	819	803	717
135°	999	1010	999	1010	999	769
145°	1153	1164	1153	1164	1153	722
155°	1270	1268	1270	1268	1270	585
165°	1340	1337	1340	1337	1340	379
175°	1371	1366	1371	1366	1371	130
180°	1371	1371	1371	1371	1371	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	893.4	899.5	904.1	907.2	914.8	919.4	923.2	930.1	930.1	931.6	934.6
5°	890.4	903.4	912.5	924.7	940.7	948.4	959.0	968.2	981.2	988.0	994.9
7.5°	883.5	901.8	920.9	939.2	962.9	978.1	988.8	1012.5	1029.2	1049.8	1065.9
10°	874.4	899.5	924.0	952.2	984.2	1007.1	1023.1	1054.4	1086.5	1115.5	1139.9
12.5°	862.9	893.4	928.5	962.9	1007.9	1030.8	1056.7	1095.6	1141.4	1178.0	1210.8
15°	850.7	885.8	925.5	967.4	1023.9	1055.9	1093.3	1140.6	1191.8	1244.4	1289.4
17.5°	831.6	875.9	920.1	981.2	1047.6	1066.6	1098.7	1163.5	1226.9	1274.2	1329.1
20°	812.6	862.2	917.8	972.8	1044.5	1088.8	1118.5	1187.2	1255.1	1312.3	1364.9
22.5°	795.0	846.9	904.9	974.3	1041.4	1085.7	1123.1	1194.8	1273.4	1337.5	1402.3
25°	773.6	830.1	894.2	959.8	1041.4	1075.0	1116.2	1199.4	1282.5	1356.6	1436.7
27.5°	750.8	808.0	871.3	938.4	1013.2	1062.8	1103.2	1192.5	1294.0	1373.3	1455.7
30°	727.9	786.6	847.7	907.9	991.9	1039.2	1085.7	1184.1	1300.1	1390.9	1454.2
32.5°	705.7	755.3	815.6	874.4	957.5	1009.4	1062.0	1175.7	1302.4	1378.7	1409.2
35°	675.2	727.1	775.9	838.5	922.4	973.5	1035.3	1175.0	1292.5	1339.8	1324.5
37.5°	647.0	690.5	737.0	792.7	878.9	945.3	1009.4	1155.1	1259.7	1262.7	1176.5
40°	615.7	651.6	690.5	749.2	842.3	907.9	977.4	1124.6	1200.1	1155.1	1003.3
42.5°	579.9	611.9	642.4	699.6	801.1	874.4	949.1	1086.5	1113.9	1010.2	852.2
45°	541.7	567.6	595.9	656.2	757.6	830.1	904.9	1027.7	999.5	853.0	702.7
47.5°	502.0	524.2	551.6	606.6	711.1	785.1	856.0	943.8	872.1	714.9	589.0
50°	462.4	479.9	506.6	563.1	663.8	730.9	796.5	853.8	753.0	613.4	486.8
52.5°	423.4	437.2	464.6	512.7	610.4	674.5	721.8	743.9	641.7	506.6	422.7
55°	382.2	397.5	415.8	464.6	561.5	608.8	640.1	639.4	534.1	429.6	349.4
57.5°	342.6	356.3	372.3	421.2	499.7	531.8	558.5	545.5	445.6	351.7	299.8
60°	307.5	315.1	332.7	373.9	433.4	460.8	476.1	454.0	363.9	296.8	248.0
62.5°	269.3	277.0	291.5	330.4	367.0	381.5	394.5	366.2	300.6	241.9	212.1
65°	234.2	244.1	253.3	284.6	304.4	322.0	320.4	296.8	235.0	196.8	172.4
67.5°	203.7	207.5	215.2	234.2	243.4	256.4	257.1	230.4	189.2	160.2	145.7
70°	170.9	174.7	180.1	189.2	195.3	198.4	196.8	173.2	142.7	125.1	112.2
72.5°	142.7	141.9	145.7	145.7	151.8	151.1	146.5	128.2	108.3	93.8	86.2
75°	112.2	112.9	113.7	112.2	109.9	106.8	103.0	89.3	76.3	69.4	62.6
77.5°	87.7	86.2	87.0	81.6	78.6	75.5	70.2	63.3	52.6	51.1	48.1
80°	62.6	61.8	61.0	58.7	51.9	48.8	45.0	41.2	38.9	37.4	36.6
82.5°	42.0	42.0	40.4	35.9	32.0	29.8	29.0	27.5	25.2	25.2	24.4
85°	25.2	24.4	22.9	18.3	16.0	16.0	16.0	16.0	14.5	14.5	13.7
87.5°	9.9	9.2	6.9	6.9	6.1	6.1	6.1	5.3	5.3	4.6	4.6
90°	1.0	3.3	5.5	7.8	10.1	11.2	12.7	15.6	18.5	21.5	24.4
92.5°	23.4	22.0	20.7	19.3	18.0	17.3	18.3	20.4	22.4	24.5	26.5
95°	62.1	52.8	43.6	34.3	25.0	20.4	21.6	24.1	26.6	29.1	31.6
97.5°	113.1	106.8	100.4	94.1	87.8	84.6	78.8	67.3	55.7	44.2	32.6
100°	172.2	176.7	181.2	185.7	190.2	192.5	174.8	139.5	104.2	68.9	33.6
102.5°	239.4	242.3	245.3	248.2	251.1	252.6	232.9	193.5	154.2	114.8	75.4
105°	303.6	306.1	308.6	311.1	313.6	314.8	304.6	284.2	263.9	243.5	223.1
107.5°	371.8	373.8	375.9	377.9	380.0	381.0	382.7	386.1	389.5	392.9	396.3
110°	440.1	441.9	443.7	445.5	447.3	448.2	449.4	451.9	454.4	456.9	459.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	505.3	506.9	508.5	510.0	511.6	512.4	513.6	516.1	518.6	521.1	523.6
115°	569.5	570.9	572.2	573.6	574.9	575.6	576.6	578.7	580.7	582.8	584.8
117.5°	632.6	634.2	635.8	637.4	639.0	639.8	640.4	641.5	642.6	643.8	644.9
120°	690.7	692.7	694.8	696.8	698.9	699.9	700.2	700.9	701.6	702.2	702.9
122.5°	749.8	751.4	753.0	754.5	756.1	756.9	757.4	758.3	759.2	760.1	761.0
125°	802.8	804.6	806.4	808.2	810.0	810.9	811.4	812.3	813.2	814.1	815.0
127.5°	855.7	857.5	859.3	861.2	863.0	863.9	864.5	865.6	866.7	867.9	869.0
130°	904.6	906.4	908.2	910.1	911.9	912.8	913.3	914.2	915.1	916.0	916.9
132.5°	951.5	953.3	955.1	956.9	958.7	959.6	959.9	960.6	961.3	962.0	962.7
135°	999.4	1000.8	1002.1	1003.5	1004.8	1005.5	1006.0	1006.9	1007.8	1008.7	1009.6
137.5°	1040.1	1041.9	1043.7	1045.6	1047.4	1048.3	1048.5	1049.0	1049.4	1049.9	1050.3
140°	1080.9	1082.3	1083.6	1085.0	1086.3	1087.0	1087.3	1088.0	1088.7	1089.3	1090.0
142.5°	1118.6	1120.0	1121.3	1122.7	1124.0	1124.7	1125.0	1125.7	1126.4	1127.0	1127.7
145°	1153.2	1154.8	1156.4	1157.9	1159.5	1160.3	1160.5	1161.0	1161.5	1161.9	1162.4
147.5°	1186.8	1187.9	1189.1	1190.2	1191.3	1191.9	1192.1	1192.6	1193.1	1193.5	1194.0
150°	1217.4	1218.1	1218.7	1219.4	1220.1	1220.4	1220.6	1221.1	1221.6	1222.0	1222.5
152.5°	1244.9	1245.1	1245.3	1245.6	1245.8	1245.9	1246.0	1246.2	1246.5	1246.7	1246.9
155°	1270.4	1269.9	1269.5	1269.0	1268.5	1268.3	1268.4	1268.6	1268.9	1269.1	1269.3
157.5°	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.6	1290.4	1290.1	1289.9	1289.7
160°	1309.1	1308.9	1308.7	1308.4	1308.2	1308.1	1308.0	1307.7	1307.5	1307.2	1307.0
162.5°	1326.4	1325.7	1325.0	1324.3	1323.6	1323.3	1323.2	1323.0	1322.7	1322.5	1322.3
165°	1339.6	1338.9	1338.3	1337.6	1336.9	1336.6	1336.5	1336.3	1336.0	1335.8	1335.6
167.5°	1350.8	1349.9	1349.0	1348.1	1347.2	1346.8	1346.8	1346.8	1346.8	1346.8	1346.8
170°	1360.0	1359.1	1358.2	1357.3	1356.4	1355.9	1355.9	1355.9	1355.9	1355.9	1355.9
172.5°	1366.1	1365.0	1363.8	1362.7	1361.6	1361.0	1361.1	1361.3	1361.6	1361.8	1362.0
175°	1371.2	1370.1	1368.9	1367.8	1366.7	1366.1	1366.2	1366.4	1366.7	1366.9	1367.1
177.5°	1373.3	1372.2	1371.0	1369.9	1368.8	1368.2	1368.3	1368.5	1368.8	1369.0	1369.2
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	940.7	940.7	947.6	954.5	950.7	952.9	961.3	958.3	964.4	963.6	965.9
5°	1011.7	1020.1	1027.0	1041.4	1043.7	1041.4	1055.9	1059.8	1066.6	1058.2	1062.0
7.5°	1091.8	1109.4	1126.1	1147.5	1154.4	1155.9	1163.5	1174.2	1183.4	1166.6	1175.0
10°	1169.6	1196.3	1230.7	1249.7	1266.5	1272.6	1278.7	1285.6	1296.3	1306.2	1298.6
12.5°	1253.6	1292.5	1325.3	1359.6	1380.2	1377.9	1395.5	1400.0	1408.4	1410.7	1413.8
15°	1322.2	1377.2	1397.8	1448.9	1453.5	1468.7	1488.5	1506.1	1508.4	1503.8	1503.8
17.5°	1387.8	1435.1	1471.8	1513.0	1521.4	1534.3	1559.5	1567.9	1570.9	1570.2	1570.2
20°	1441.2	1472.5	1534.3	1568.7	1582.4	1599.2	1616.7	1627.4	1629.7	1632.7	1628.2
22.5°	1476.3	1523.6	1574.0	1602.2	1613.7	1619.8	1631.2	1634.3	1630.5	1631.2	1632.0
25°	1503.8	1550.3	1580.9	1588.5	1587.7	1580.1	1571.7	1557.2	1555.7	1549.6	1537.4
27.5°	1511.4	1529.0	1525.2	1493.9	1462.6	1459.6	1409.2	1381.7	1350.5	1355.0	1337.5
30°	1470.2	1447.3	1393.2	1313.8	1281.0	1227.6	1171.2	1112.4	1089.5	1064.3	1110.9
32.5°	1369.5	1287.9	1191.8	1088.8	1033.8	986.5	926.2	883.5	859.1	838.5	878.2
35°	1217.7	1090.3	962.9	865.2	820.2	777.5	721.0	699.6	669.1	672.2	676.0
37.5°	1022.4	882.0	785.9	689.7	660.0	642.4	601.2	568.4	557.7	554.7	554.7
40°	839.3	724.1	638.6	563.1	540.2	525.7	492.9	477.6	466.2	463.1	466.9
42.5°	694.3	595.9	529.5	479.1	463.1	444.8	431.1	412.0	409.7	404.4	411.2
45°	582.9	497.5	447.9	411.2	397.5	390.6	375.4	363.9	359.4	358.6	363.9
47.5°	494.4	428.0	384.5	361.6	351.0	344.1	331.1	326.5	322.0	323.5	321.2
50°	415.1	365.5	337.2	316.6	309.8	302.9	294.5	289.9	287.6	287.6	286.9
52.5°	356.3	315.1	296.8	277.7	274.7	270.9	261.7	258.6	254.8	254.1	257.1
55°	305.2	277.0	258.6	247.2	244.1	236.5	232.7	228.9	226.6	225.1	225.8
57.5°	260.9	239.6	227.4	217.4	212.1	209.1	202.2	201.4	199.9	199.9	199.1
60°	224.3	209.1	194.6	188.5	184.6	180.8	180.1	175.5	173.2	174.7	174.0
62.5°	190.0	177.8	169.4	162.5	160.2	157.2	154.9	153.4	151.1	151.8	151.8
65°	158.7	148.8	142.7	136.6	135.8	132.8	132.0	130.5	130.5	129.7	131.2
67.5°	130.5	123.6	118.3	114.4	112.2	112.9	109.9	107.6	107.6	106.8	109.1
70°	103.8	99.9	94.6	90.0	87.0	87.0	83.2	82.4	82.4	82.4	81.6
72.5°	80.1	73.2	71.0	69.4	69.4	69.4	67.9	67.9	67.1	67.9	67.1
75°	59.5	58.7	57.2	56.5	56.5	55.7	54.9	54.9	54.9	54.9	54.9
77.5°	46.5	46.5	45.0	44.3	44.3	44.3	43.5	43.5	42.7	42.7	42.7
80°	34.3	34.3	32.8	32.8	32.8	32.0	32.0	32.0	32.8	32.0	32.0
82.5°	23.7	23.7	22.9	23.7	22.9	22.1	22.1	22.1	21.4	22.1	22.1
85°	13.7	13.7	13.0	12.2	13.0	13.0	12.2	13.0	12.2	13.0	12.2
87.5°	5.3	4.6	4.6	4.6	3.8	4.6	3.8	3.8	4.6	3.8	4.6
90°	25.3	26.2	27.1	28.0	28.5	28.7	29.2	29.7	30.1	30.6	30.1
92.5°	28.1	29.7	31.2	32.8	33.6	33.7	33.9	34.2	34.4	34.6	34.4
95°	33.2	34.8	36.3	37.9	38.7	38.7	38.7	38.7	38.7	38.7	38.7
97.5°	34.4	36.2	38.0	39.8	40.7	40.8	41.1	41.3	41.6	41.8	41.6
100°	35.4	37.2	39.1	40.9	41.8	41.9	42.1	42.4	42.6	42.8	42.6
102.5°	67.9	60.5	53.0	45.5	41.8	42.0	42.5	42.9	43.4	43.8	43.4
105°	183.0	143.0	102.9	62.8	42.8	43.0	43.5	43.9	44.4	44.8	44.4
107.5°	361.4	326.6	291.7	256.8	239.4	224.6	194.9	165.2	135.6	105.9	135.6
110°	451.9	444.5	437.0	429.5	425.8	409.6	377.3	344.9	312.6	280.2	312.6

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	525.6	527.7	529.7	531.8	532.8	532.6	532.1	531.7	531.2	530.8	531.2
115°	587.0	589.3	591.5	593.8	594.9	595.4	596.3	597.2	598.1	599.0	598.1
117.5°	646.7	648.5	650.3	652.1	653.0	653.1	653.3	653.6	653.8	654.0	653.8
120°	704.7	706.5	708.4	710.2	711.1	711.1	711.1	711.1	711.1	711.1	711.1
122.5°	762.1	763.3	764.4	765.5	766.1	766.2	766.4	766.7	766.9	767.1	766.9
125°	815.4	815.9	816.3	816.8	817.0	817.2	817.7	818.2	818.6	819.1	818.6
127.5°	869.7	870.3	871.0	871.7	872.0	871.8	871.3	870.9	870.4	870.0	870.4
130°	917.8	918.7	919.6	920.5	920.9	920.7	920.2	919.8	919.3	918.9	919.3
132.5°	963.6	964.5	965.4	966.3	966.8	966.5	965.8	965.1	964.4	963.7	964.4
135°	1010.3	1010.9	1011.6	1012.3	1012.6	1012.3	1011.6	1010.9	1010.3	1009.6	1010.3
137.5°	1051.4	1052.6	1053.7	1054.8	1055.4	1055.2	1054.7	1054.3	1053.8	1053.4	1053.8
140°	1090.9	1091.8	1092.7	1093.6	1094.1	1093.9	1093.4	1093.0	1092.5	1092.1	1092.5
142.5°	1128.4	1129.1	1129.8	1130.5	1130.8	1130.5	1129.8	1129.1	1128.4	1127.7	1128.4
145°	1162.8	1163.3	1163.7	1164.2	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4
147.5°	1194.4	1194.9	1195.3	1195.8	1196.0	1195.4	1194.3	1193.2	1192.0	1190.9	1192.0
150°	1222.9	1223.4	1223.8	1224.3	1224.5	1224.2	1223.5	1222.8	1222.2	1221.5	1222.2
152.5°	1247.8	1248.7	1249.6	1250.5	1251.0	1250.4	1249.3	1248.2	1247.0	1245.9	1247.0
155°	1270.4	1271.6	1272.7	1273.8	1274.4	1273.7	1272.4	1271.0	1269.7	1268.3	1269.7
157.5°	1291.1	1292.4	1293.8	1295.1	1295.8	1294.9	1293.1	1291.3	1289.5	1287.7	1289.5
160°	1308.4	1309.7	1311.1	1312.4	1313.1	1312.3	1310.7	1309.2	1307.6	1306.0	1307.6
162.5°	1323.9	1325.5	1327.0	1328.6	1329.4	1328.7	1327.4	1326.0	1324.7	1323.3	1324.7
165°	1337.4	1339.2	1341.0	1342.8	1343.7	1342.9	1341.3	1339.8	1338.2	1336.6	1338.2
167.5°	1348.6	1350.4	1352.2	1354.0	1354.9	1354.0	1352.2	1350.4	1348.6	1346.8	1348.6
170°	1357.7	1359.5	1361.4	1363.2	1364.1	1363.2	1361.4	1359.5	1357.7	1355.9	1357.7
172.5°	1363.8	1365.6	1367.5	1369.3	1370.2	1369.2	1367.1	1365.1	1363.0	1361.0	1363.0
175°	1368.7	1370.3	1371.9	1373.5	1374.3	1373.4	1371.6	1369.7	1367.9	1366.1	1367.9
177.5°	1371.0	1372.8	1374.6	1376.4	1377.3	1376.2	1373.9	1371.6	1369.4	1367.1	1369.4
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4FO-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	962.1	957.5	954.5	952.2	949.9	956.8	947.6	937.7	930.8	926.2	924.7
5°	1062.8	1052.9	1044.5	1037.6	1039.2	1039.2	1023.1	1005.6	990.3	981.9	972.8
7.5°	1179.5	1168.9	1152.1	1148.3	1145.2	1126.1	1110.1	1078.1	1059.0	1039.9	1023.1
10°	1295.5	1281.8	1265.8	1260.4	1252.8	1229.1	1204.7	1163.5	1139.9	1104.8	1082.6
12.5°	1403.9	1387.1	1371.1	1367.2	1355.8	1335.2	1293.2	1250.5	1210.1	1172.7	1133.8
15°	1494.7	1490.1	1465.7	1450.4	1425.2	1397.0	1387.8	1329.9	1278.7	1239.8	1169.6
17.5°	1570.9	1549.6	1526.7	1516.8	1506.9	1474.1	1441.2	1381.7	1326.8	1269.6	1224.6
20°	1632.0	1608.3	1592.3	1577.8	1573.2	1535.9	1484.0	1431.3	1371.1	1307.0	1248.2
22.5°	1635.0	1632.0	1621.3	1612.9	1603.8	1579.3	1538.1	1472.5	1408.4	1338.2	1261.2
25°	1571.7	1567.1	1597.7	1590.0	1596.1	1587.0	1564.8	1509.9	1435.1	1352.7	1274.9
27.5°	1381.0	1427.5	1475.6	1492.4	1503.8	1536.6	1547.3	1516.8	1456.5	1368.8	1281.8
30°	1121.6	1183.4	1261.2	1303.1	1335.2	1396.2	1475.6	1485.5	1457.3	1387.1	1280.3
32.5°	880.5	936.9	999.5	1049.1	1091.8	1216.9	1323.7	1400.8	1414.5	1377.9	1284.1
35°	709.6	734.0	793.5	840.8	898.8	1005.6	1131.5	1255.8	1339.8	1344.3	1272.6
37.5°	585.2	598.2	650.0	676.8	711.1	804.9	922.4	1084.9	1215.4	1277.2	1240.6
40°	484.5	514.2	544.0	559.3	583.7	648.5	761.4	888.9	1050.6	1165.0	1191.0
42.5°	420.4	433.4	452.4	473.8	489.1	545.5	621.1	737.8	883.5	1043.0	1114.7
45°	370.8	375.4	395.2	409.0	425.0	464.6	518.1	615.7	743.9	901.1	1023.1
47.5°	329.6	338.8	349.4	357.8	368.5	399.0	444.8	515.8	628.7	769.1	900.3
50°	293.0	298.3	312.1	315.9	323.5	344.9	380.0	434.1	527.2	639.4	775.2
52.5°	258.6	268.6	273.9	279.2	286.1	303.7	326.5	370.8	441.0	546.3	661.5
55°	231.9	235.0	242.6	247.2	252.5	264.7	284.6	317.4	372.3	456.3	565.4
57.5°	206.0	206.0	213.6	217.4	222.8	231.9	249.5	274.7	314.3	376.9	476.9
60°	178.5	179.3	185.4	190.0	191.5	200.7	215.2	235.0	265.5	311.3	392.9
62.5°	154.1	157.9	161.0	162.5	167.9	173.2	185.4	199.1	220.5	260.9	318.9
65°	133.5	134.3	136.6	138.1	140.4	146.5	155.6	164.8	183.1	212.9	260.2
67.5°	109.9	112.9	116.0	116.0	118.3	121.3	130.5	138.1	151.8	169.4	201.4
70°	82.4	83.9	88.5	90.8	93.8	99.2	103.8	108.3	119.0	132.0	156.4
72.5°	68.7	68.7	70.2	71.0	71.0	74.8	81.6	86.2	91.6	100.7	117.5
75°	54.9	54.9	57.2	56.5	58.0	59.5	60.3	63.3	66.4	73.2	83.2
77.5°	43.5	44.3	44.3	45.0	45.0	45.8	46.5	48.1	49.6	53.4	58.0
80°	32.0	32.8	32.8	33.6	33.6	34.3	35.1	35.9	37.4	38.9	41.2
82.5°	22.1	22.9	22.9	23.7	22.9	23.7	24.4	24.4	25.2	26.7	27.5
85°	13.0	13.0	13.7	13.0	13.0	13.0	13.7	13.7	14.5	16.8	16.8
87.5°	3.8	4.6	3.8	4.6	4.6	4.6	4.6	5.3	5.3	6.1	6.9
90°	29.7	29.2	28.7	28.5	28.0	27.1	26.2	25.3	24.4	21.5	18.5
92.5°	34.2	33.9	33.7	33.6	32.8	31.2	29.7	28.1	26.5	24.5	22.4
95°	38.7	38.7	38.7	38.7	37.9	36.3	34.8	33.2	31.6	29.1	26.6
97.5°	41.3	41.1	40.8	40.7	39.8	38.0	36.2	34.4	32.6	44.2	55.7
100°	42.4	42.1	41.9	41.8	40.9	39.1	37.2	35.4	33.6	68.9	104.2
102.5°	42.9	42.5	42.0	41.8	45.5	53.0	60.5	67.9	75.4	114.8	154.2
105°	43.9	43.5	43.0	42.8	62.8	102.9	143.0	183.0	223.1	243.5	263.9
107.5°	165.2	194.9	224.6	239.4	256.8	291.7	326.6	361.4	396.3	392.9	389.5
110°	344.9	377.3	409.6	425.8	429.5	437.0	444.5	451.9	459.4	456.9	454.4

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4FO-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	531.7	532.1	532.6	532.8	531.8	529.7	527.7	525.6	523.6	521.1	518.6
115°	597.2	596.3	595.4	594.9	593.8	591.5	589.3	587.0	584.8	582.8	580.7
117.5°	653.6	653.3	653.1	653.0	652.1	650.3	648.5	646.7	644.9	643.8	642.6
120°	711.1	711.1	711.1	711.1	710.2	708.4	706.5	704.7	702.9	702.2	701.6
122.5°	766.7	766.4	766.2	766.1	765.5	764.4	763.3	762.1	761.0	760.1	759.2
125°	818.2	817.7	817.2	817.0	816.8	816.3	815.9	815.4	815.0	814.1	813.2
127.5°	870.9	871.3	871.8	872.0	871.7	871.0	870.3	869.7	869.0	867.9	866.7
130°	919.8	920.2	920.7	920.9	920.5	919.6	918.7	917.8	916.9	916.0	915.1
132.5°	965.1	965.8	966.5	966.8	966.3	965.4	964.5	963.6	962.7	962.0	961.3
135°	1010.9	1011.6	1012.3	1012.6	1012.3	1011.6	1010.9	1010.3	1009.6	1008.7	1007.8
137.5°	1054.3	1054.7	1055.2	1055.4	1054.8	1053.7	1052.6	1051.4	1050.3	1049.9	1049.4
140°	1093.0	1093.4	1093.9	1094.1	1093.6	1092.7	1091.8	1090.9	1090.0	1089.3	1088.7
142.5°	1129.1	1129.8	1130.5	1130.8	1130.5	1129.8	1129.1	1128.4	1127.7	1127.0	1126.4
145°	1164.4	1164.4	1164.4	1164.4	1164.2	1163.7	1163.3	1162.8	1162.4	1161.9	1161.5
147.5°	1193.2	1194.3	1195.4	1196.0	1195.8	1195.3	1194.9	1194.4	1194.0	1193.5	1193.1
150°	1222.8	1223.5	1224.2	1224.5	1224.3	1223.8	1223.4	1222.9	1222.5	1222.0	1221.6
152.5°	1248.2	1249.3	1250.4	1251.0	1250.5	1249.6	1248.7	1247.8	1246.9	1246.7	1246.5
155°	1271.0	1272.4	1273.7	1274.4	1273.8	1272.7	1271.6	1270.4	1269.3	1269.1	1268.9
157.5°	1291.3	1293.1	1294.9	1295.8	1295.1	1293.8	1292.4	1291.1	1289.7	1289.9	1290.1
160°	1309.2	1310.7	1312.3	1313.1	1312.4	1311.1	1309.7	1308.4	1307.0	1307.2	1307.5
162.5°	1326.0	1327.4	1328.7	1329.4	1328.6	1327.0	1325.5	1323.9	1322.3	1322.5	1322.7
165°	1339.8	1341.3	1342.9	1343.7	1342.8	1341.0	1339.2	1337.4	1335.6	1335.8	1336.0
167.5°	1350.4	1352.2	1354.0	1354.9	1354.0	1352.2	1350.4	1348.6	1346.8	1346.8	1346.8
170°	1359.5	1361.4	1363.2	1364.1	1363.2	1361.4	1359.5	1357.7	1355.9	1355.9	1355.9
172.5°	1365.1	1367.1	1369.2	1370.2	1369.3	1367.5	1365.6	1363.8	1362.0	1361.8	1361.6
175°	1369.7	1371.6	1373.4	1374.3	1373.5	1371.9	1370.3	1368.7	1367.1	1366.9	1366.7
177.5°	1371.6	1373.9	1376.2	1377.3	1376.4	1374.6	1372.8	1371.0	1369.2	1369.0	1368.8
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	922.4	918.6	914.8	914.8	906.4	898.8	895.0	896.5	891.9	885.8	879.7
5°	962.9	947.6	944.6	936.2	924.7	908.7	900.3	892.7	883.5	871.3	859.9
7.5°	1000.2	980.4	969.7	961.3	939.2	917.1	898.8	886.6	870.5	852.2	838.5
10°	1049.1	1012.5	1001.0	981.9	950.7	919.4	898.0	878.2	856.0	834.7	816.4
12.5°	1088.0	1046.0	1024.7	1005.6	965.2	925.5	889.6	865.2	838.5	814.8	791.2
15°	1132.2	1084.9	1047.6	1024.7	973.5	925.5	885.0	850.7	821.0	792.0	771.4
17.5°	1153.6	1094.1	1077.3	1044.5	970.5	922.4	872.8	836.2	800.4	766.8	742.4
20°	1187.2	1117.7	1075.8	1053.7	988.0	917.1	859.1	817.1	779.8	743.9	718.0
22.5°	1189.5	1113.9	1086.5	1044.5	963.6	901.1	846.9	795.8	752.3	718.7	692.0
25°	1184.1	1107.1	1068.9	1035.3	968.2	891.9	822.5	772.1	729.4	690.5	659.2
27.5°	1181.8	1087.2	1051.4	1017.8	942.3	865.2	808.0	750.8	701.9	667.6	635.6
30°	1178.8	1065.9	1022.4	983.5	914.0	844.6	775.9	726.3	679.8	636.3	604.3
32.5°	1158.9	1036.9	992.6	951.4	876.6	807.2	753.0	700.4	650.0	609.6	580.6
35°	1152.8	1010.2	952.2	907.9	834.7	772.9	715.7	672.2	624.9	584.4	550.1
37.5°	1135.3	982.7	920.1	863.7	787.4	728.6	686.7	643.2	597.4	553.9	526.4
40°	1104.8	950.7	879.7	821.7	743.1	683.6	644.7	612.7	567.6	528.7	495.2
42.5°	1059.8	917.8	841.6	780.5	693.5	637.8	605.8	575.3	537.1	496.7	469.2
45°	1007.9	874.4	803.4	735.5	647.0	592.8	559.3	540.9	505.8	471.5	439.5
47.5°	936.9	829.3	759.2	689.0	598.9	546.3	519.6	501.3	476.9	439.5	413.5
50°	847.7	771.4	705.0	642.4	551.6	501.3	474.6	460.8	440.2	413.5	388.3
52.5°	748.5	704.2	649.3	591.3	503.6	456.3	431.8	421.2	405.9	380.7	359.4
55°	648.5	629.4	592.1	534.8	453.2	414.3	392.9	379.2	367.7	349.4	331.1
57.5°	559.3	550.1	524.2	479.9	411.2	370.8	352.5	343.3	334.2	320.4	302.1
60°	466.9	476.9	450.2	428.0	365.5	330.4	314.3	304.4	299.8	287.6	276.2
62.5°	386.8	396.0	380.7	363.9	319.7	288.4	278.5	269.3	266.3	255.6	244.1
65°	314.3	325.8	314.3	305.2	278.5	252.5	240.3	235.8	232.7	225.8	216.7
67.5°	250.3	261.7	256.4	244.9	236.5	215.2	208.3	203.7	202.2	196.8	189.2
70°	188.5	204.5	206.0	199.1	191.5	181.6	177.0	175.5	171.7	167.1	162.5
72.5°	135.8	154.1	154.9	154.9	150.3	150.3	145.7	143.4	143.4	138.9	133.5
75°	99.9	112.2	113.7	115.2	117.5	119.8	116.7	116.7	116.0	111.4	109.1
77.5°	66.4	77.1	80.9	86.2	89.3	89.3	90.8	92.3	90.8	88.5	87.0
80°	42.7	50.4	54.9	58.0	62.6	64.9	67.1	67.9	66.4	65.6	63.3
82.5°	28.2	30.5	32.8	36.6	42.0	45.8	45.8	45.0	46.5	45.8	45.0
85°	16.0	17.5	18.3	19.1	22.1	25.9	26.7	27.5	29.0	27.5	25.9
87.5°	6.1	6.9	6.9	6.9	8.4	9.2	11.4	14.5	13.7	12.2	12.2
90°	15.6	12.7	11.2	10.1	7.8	5.5	3.3	1.0	3.3	5.5	7.8
92.5°	20.4	18.3	17.3	18.0	19.3	20.7	22.0	23.4	22.0	20.7	19.3
95°	24.1	21.6	20.4	25.0	34.3	43.6	52.8	62.1	52.8	43.6	34.3
97.5°	67.3	78.8	84.6	87.8	94.1	100.4	106.8	113.1	106.8	100.4	94.1
100°	139.5	174.8	192.5	190.2	185.7	181.2	176.7	172.2	176.7	181.2	185.7
102.5°	193.5	232.9	252.6	251.1	248.2	245.3	242.3	239.4	242.3	245.3	248.2
105°	284.2	304.6	314.8	313.6	311.1	308.6	306.1	303.6	306.1	308.6	311.1
107.5°	386.1	382.7	381.0	380.0	377.9	375.9	373.8	371.8	373.8	375.9	377.9
110°	451.9	449.4	448.2	447.3	445.5	443.7	441.9	440.1	441.9	443.7	445.5

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	516.1	513.6	512.4	511.6	510.0	508.5	506.9	505.3	506.9	508.5	510.0
115°	578.7	576.6	575.6	574.9	573.6	572.2	570.9	569.5	570.9	572.2	573.6
117.5°	641.5	640.4	639.8	639.0	637.4	635.8	634.2	632.6	634.2	635.8	637.4
120°	700.9	700.2	699.9	698.9	696.8	694.8	692.7	690.7	692.7	694.8	696.8
122.5°	758.3	757.4	756.9	756.1	754.5	753.0	751.4	749.8	751.4	753.0	754.5
125°	812.3	811.4	810.9	810.0	808.2	806.4	804.6	802.8	804.6	806.4	808.2
127.5°	865.6	864.5	863.9	863.0	861.2	859.3	857.5	855.7	857.5	859.3	861.2
130°	914.2	913.3	912.8	911.9	910.1	908.2	906.4	904.6	906.4	908.2	910.1
132.5°	960.6	959.9	959.6	958.7	956.9	955.1	953.3	951.5	953.3	955.1	956.9
135°	1006.9	1006.0	1005.5	1004.8	1003.5	1002.1	1000.8	999.4	1000.8	1002.1	1003.5
137.5°	1049.0	1048.5	1048.3	1047.4	1045.6	1043.7	1041.9	1040.1	1041.9	1043.7	1045.6
140°	1088.0	1087.3	1087.0	1086.3	1085.0	1083.6	1082.3	1080.9	1082.3	1083.6	1085.0
142.5°	1125.7	1125.0	1124.7	1124.0	1122.7	1121.3	1120.0	1118.6	1120.0	1121.3	1122.7
145°	1161.0	1160.5	1160.3	1159.5	1157.9	1156.4	1154.8	1153.2	1154.8	1156.4	1157.9
147.5°	1192.6	1192.1	1191.9	1191.3	1190.2	1189.1	1187.9	1186.8	1187.9	1189.1	1190.2
150°	1221.1	1220.6	1220.4	1220.1	1219.4	1218.7	1218.1	1217.4	1218.1	1218.7	1219.4
152.5°	1246.2	1246.0	1245.9	1245.8	1245.6	1245.3	1245.1	1244.9	1245.1	1245.3	1245.6
155°	1268.6	1268.4	1268.3	1268.5	1269.0	1269.5	1269.9	1270.4	1269.9	1269.5	1269.0
157.5°	1290.4	1290.6	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7
160°	1307.7	1308.0	1308.1	1308.2	1308.4	1308.7	1308.9	1309.1	1308.9	1308.7	1308.4
162.5°	1323.0	1323.2	1323.3	1323.6	1324.3	1325.0	1325.7	1326.4	1325.7	1325.0	1324.3
165°	1336.3	1336.5	1336.6	1336.9	1337.6	1338.3	1338.9	1339.6	1338.9	1338.3	1337.6
167.5°	1346.8	1346.8	1346.8	1347.2	1348.1	1349.0	1349.9	1350.8	1349.9	1349.0	1348.1
170°	1355.9	1355.9	1355.9	1356.4	1357.3	1358.2	1359.1	1360.0	1359.1	1358.2	1357.3
172.5°	1361.3	1361.1	1361.0	1361.6	1362.7	1363.8	1365.0	1366.1	1365.0	1363.8	1362.7
175°	1366.4	1366.2	1366.1	1366.7	1367.8	1368.9	1370.1	1371.2	1370.1	1368.9	1367.8
177.5°	1368.5	1368.3	1368.2	1368.8	1369.9	1371.0	1372.2	1373.3	1372.2	1371.0	1369.9
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	879.7	875.9	874.4	870.5	861.4	855.3	848.4	843.8	844.6	840.8	843.1
5°	852.2	851.5	846.1	838.5	825.5	818.7	806.5	800.4	797.3	798.1	793.5
7.5°	829.3	822.5	818.7	806.5	794.2	779.8	769.8	764.5	759.9	755.3	752.3
10°	803.4	797.3	791.2	778.2	761.4	747.7	734.0	728.6	721.8	718.7	716.4
12.5°	775.9	772.1	764.5	749.2	730.2	717.2	701.2	698.1	689.0	682.9	681.3
15°	750.8	748.5	734.7	717.2	698.1	685.1	671.4	662.3	647.0	650.0	644.7
17.5°	724.1	714.1	705.7	682.1	672.9	653.1	637.1	632.5	621.8	615.0	608.1
20°	694.3	688.2	677.5	662.3	640.1	617.2	605.0	597.4	591.3	580.6	577.6
22.5°	666.1	658.4	649.3	629.4	610.4	591.3	574.5	567.6	560.0	552.4	547.8
25°	643.9	632.5	622.6	598.2	579.1	563.1	552.4	540.9	530.3	525.7	524.2
27.5°	609.6	602.7	592.8	569.9	552.4	534.8	524.9	517.3	505.8	500.5	495.9
30°	587.5	573.8	562.3	544.0	526.4	507.4	498.2	489.1	482.2	475.3	470.0
32.5°	557.7	547.0	537.9	519.6	502.0	484.5	474.6	460.8	457.0	451.7	445.6
35°	528.7	521.9	512.0	492.1	473.0	460.8	450.2	437.2	432.6	428.8	423.4
37.5°	501.3	491.4	484.5	465.4	448.6	434.1	425.7	415.1	412.0	407.4	403.6
40°	477.6	467.7	460.8	441.8	424.2	409.0	403.6	392.9	388.3	383.0	380.7
42.5°	450.9	442.5	433.4	419.6	401.3	386.1	375.4	369.3	363.2	360.9	356.3
45°	422.7	415.1	408.2	392.9	373.9	363.2	354.0	345.6	341.0	337.2	334.2
47.5°	398.3	391.4	382.2	365.5	350.2	340.3	331.1	322.7	318.2	313.6	309.8
50°	370.0	366.2	356.3	340.3	325.8	314.3	305.9	298.3	295.3	289.9	283.8
52.5°	344.9	338.0	329.6	316.6	303.7	289.9	278.5	273.9	268.6	265.5	260.2
55°	315.1	310.5	301.4	289.9	276.2	264.7	256.4	250.3	243.4	240.3	233.5
57.5°	289.9	281.5	277.0	262.5	249.5	238.0	231.9	225.8	218.2	213.6	210.6
60°	262.5	254.8	248.0	235.8	226.6	214.4	205.2	199.9	194.6	188.5	185.4
62.5°	235.8	229.7	221.3	211.3	199.9	190.0	183.1	175.5	172.4	166.3	164.0
65°	206.8	202.2	195.3	183.9	174.7	166.3	159.5	153.4	150.3	148.0	146.5
67.5°	180.8	174.7	170.1	160.2	150.3	143.4	139.6	135.8	132.0	129.7	127.4
70°	154.1	149.5	145.0	135.8	128.9	122.8	119.8	116.7	114.4	112.2	109.9
72.5°	126.7	124.4	119.8	113.7	108.3	103.8	101.5	97.7	95.4	91.6	90.0
75°	104.5	100.7	98.4	93.1	88.5	84.7	81.6	77.1	74.0	72.5	71.7
77.5°	82.4	80.9	77.8	73.2	71.0	67.1	62.6	61.0	59.5	59.5	58.7
80°	61.8	59.5	57.2	53.4	51.1	48.1	48.1	48.1	47.3	48.1	47.3
82.5°	42.0	40.4	38.9	36.6	35.9	35.9	36.6	36.6	36.6	36.6	36.6
85°	24.4	24.4	24.4	25.2	24.4	24.4	25.2	25.9	25.2	25.2	24.4
87.5°	11.4	11.4	12.2	12.2	13.0	13.0	13.0	13.0	13.0	13.0	13.7
90°	10.1	11.2	12.7	15.6	18.5	21.5	24.4	25.3	26.2	27.1	28.0
92.5°	18.0	17.3	18.3	20.4	22.4	24.5	26.5	28.1	29.7	31.2	32.8
95°	25.0	20.4	21.6	24.1	26.6	29.1	31.6	33.2	34.8	36.3	37.9
97.5°	87.8	84.6	78.8	67.3	55.7	44.2	32.6	34.4	36.2	38.0	39.8
100°	190.2	192.5	174.8	139.5	104.2	68.9	33.6	35.4	37.2	39.1	40.9
102.5°	251.1	252.6	232.9	193.5	154.2	114.8	75.4	67.9	60.5	53.0	45.5
105°	313.6	314.8	304.6	284.2	263.9	243.5	223.1	183.0	143.0	102.9	62.8
107.5°	380.0	381.0	382.7	386.1	389.5	392.9	396.3	361.4	326.6	291.7	256.8
110°	447.3	448.2	449.4	451.9	454.4	456.9	459.4	451.9	444.5	437.0	429.5

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CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	511.6	512.4	513.6	516.1	518.6	521.1	523.6	525.6	527.7	529.7	531.8
115°	574.9	575.6	576.6	578.7	580.7	582.8	584.8	587.0	589.3	591.5	593.8
117.5°	639.0	639.8	640.4	641.5	642.6	643.8	644.9	646.7	648.5	650.3	652.1
120°	698.9	699.9	700.2	700.9	701.6	702.2	702.9	704.7	706.5	708.4	710.2
122.5°	756.1	756.9	757.4	758.3	759.2	760.1	761.0	762.1	763.3	764.4	765.5
125°	810.0	810.9	811.4	812.3	813.2	814.1	815.0	815.4	815.9	816.3	816.8
127.5°	863.0	863.9	864.5	865.6	866.7	867.9	869.0	869.7	870.3	871.0	871.7
130°	911.9	912.8	913.3	914.2	915.1	916.0	916.9	917.8	918.7	919.6	920.5
132.5°	958.7	959.6	959.9	960.6	961.3	962.0	962.7	963.6	964.5	965.4	966.3
135°	1004.8	1005.5	1006.0	1006.9	1007.8	1008.7	1009.6	1010.3	1010.9	1011.6	1012.3
137.5°	1047.4	1048.3	1048.5	1049.0	1049.4	1049.9	1050.3	1051.4	1052.6	1053.7	1054.8
140°	1086.3	1087.0	1087.3	1088.0	1088.7	1089.3	1090.0	1090.9	1091.8	1092.7	1093.6
142.5°	1124.0	1124.7	1125.0	1125.7	1126.4	1127.0	1127.7	1128.4	1129.1	1129.8	1130.5
145°	1159.5	1160.3	1160.5	1161.0	1161.5	1161.9	1162.4	1162.8	1163.3	1163.7	1164.2
147.5°	1191.3	1191.9	1192.1	1192.6	1193.1	1193.5	1194.0	1194.4	1194.9	1195.3	1195.8
150°	1220.1	1220.4	1220.6	1221.1	1221.6	1222.0	1222.5	1222.9	1223.4	1223.8	1224.3
152.5°	1245.8	1245.9	1246.0	1246.2	1246.5	1246.7	1246.9	1247.8	1248.7	1249.6	1250.5
155°	1268.5	1268.3	1268.4	1268.6	1268.9	1269.1	1269.3	1270.4	1271.6	1272.7	1273.8
157.5°	1290.7	1290.7	1290.6	1290.4	1290.1	1289.9	1289.7	1291.1	1292.4	1293.8	1295.1
160°	1308.2	1308.1	1308.0	1307.7	1307.5	1307.2	1307.0	1308.4	1309.7	1311.1	1312.4
162.5°	1323.6	1323.3	1323.2	1323.0	1322.7	1322.5	1322.3	1323.9	1325.5	1327.0	1328.6
165°	1336.9	1336.6	1336.5	1336.3	1336.0	1335.8	1335.6	1337.4	1339.2	1341.0	1342.8
167.5°	1347.2	1346.8	1346.8	1346.8	1346.8	1346.8	1346.8	1348.6	1350.4	1352.2	1354.0
170°	1356.4	1355.9	1355.9	1355.9	1355.9	1355.9	1355.9	1357.7	1359.5	1361.4	1363.2
172.5°	1361.6	1361.0	1361.1	1361.3	1361.6	1361.8	1362.0	1363.8	1365.6	1367.5	1369.3
175°	1366.7	1366.1	1366.2	1366.4	1366.7	1366.9	1367.1	1368.7	1370.3	1371.9	1373.5
177.5°	1368.8	1368.2	1368.3	1368.5	1368.8	1369.0	1369.2	1371.0	1372.8	1374.6	1376.4
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	842.3	843.1	840.8	836.2	835.4	837.0	841.6	840.0	836.2	843.1	837.0
5°	795.8	792.0	790.4	792.0	787.4	785.1	789.7	787.4	789.7	790.4	792.7
7.5°	750.8	751.5	746.9	747.7	741.6	743.1	743.1	743.1	745.4	746.9	750.0
10°	711.8	713.4	708.0	708.8	704.2	701.2	703.5	708.0	708.0	708.0	709.6
12.5°	680.6	673.7	669.9	669.1	663.8	662.3	666.8	668.4	672.2	672.2	674.5
15°	641.7	640.1	637.1	637.1	624.1	627.2	628.7	634.0	641.7	635.6	637.1
17.5°	606.6	602.7	598.9	597.4	595.9	591.3	597.4	596.6	601.2	602.0	604.3
20°	575.3	572.2	564.6	565.4	566.9	560.0	563.8	563.8	568.4	573.0	578.3
22.5°	544.8	541.7	537.9	539.4	534.8	533.3	533.3	537.1	542.5	546.3	545.5
25°	521.1	515.8	513.5	511.2	508.9	510.4	508.1	512.0	515.8	518.1	515.8
27.5°	494.4	492.1	487.5	485.2	481.4	483.0	484.5	487.5	489.8	489.8	492.1
30°	468.5	465.4	463.9	461.6	461.6	458.5	459.3	462.4	464.6	466.9	470.0
32.5°	443.3	441.0	438.7	438.7	437.2	436.4	435.7	440.2	440.2	444.8	444.8
35°	422.7	418.9	418.9	415.1	416.6	415.8	414.3	417.3	418.1	421.2	420.4
37.5°	399.8	399.8	398.3	394.5	391.4	392.2	396.0	396.0	398.3	397.5	399.8
40°	376.9	375.4	375.4	373.1	372.3	371.6	372.3	373.1	376.9	376.1	376.9
42.5°	354.0	354.8	351.0	351.0	351.0	348.7	349.4	350.2	351.7	353.3	355.5
45°	331.9	330.4	329.6	328.1	326.5	327.3	326.5	329.6	328.8	330.4	332.7
47.5°	308.2	305.9	305.2	302.1	302.1	303.7	302.9	305.2	305.9	308.2	306.7
50°	285.3	282.3	280.0	280.8	276.2	277.7	277.7	280.0	282.3	283.1	284.6
52.5°	258.6	257.9	257.1	253.3	252.5	251.8	252.5	253.3	256.4	258.6	259.4
55°	232.7	231.9	227.4	225.8	223.5	223.5	225.1	225.8	231.2	231.9	235.0
57.5°	209.1	206.8	201.4	200.7	200.7	200.7	198.4	201.4	202.9	206.8	206.8
60°	183.1	183.1	178.5	178.5	179.3	178.5	178.5	179.3	179.3	182.3	183.9
62.5°	162.5	161.7	161.7	160.2	159.5	160.2	159.5	159.5	160.2	162.5	164.8
65°	144.2	143.4	142.7	141.9	140.4	140.4	141.1	142.7	142.7	144.2	145.0
67.5°	126.7	126.7	125.1	125.1	124.4	123.6	124.4	123.6	126.7	126.7	127.4
70°	109.1	108.3	106.1	105.3	103.0	103.8	103.8	106.1	106.8	108.3	109.9
72.5°	87.7	87.7	86.2	84.7	85.5	83.9	83.9	84.7	84.7	87.0	87.7
75°	72.5	71.0	70.2	71.0	70.2	71.7	70.2	70.2	71.7	71.7	71.7
77.5°	59.5	59.5	58.7	58.7	59.5	58.7	59.5	59.5	59.5	58.7	59.5
80°	48.8	48.1	48.1	48.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
82.5°	36.6	36.6	35.9	36.6	36.6	35.9	36.6	35.9	35.9	36.6	36.6
85°	24.4	25.9	24.4	24.4	25.2	25.2	25.9	25.2	25.9	24.4	25.2
87.5°	13.0	13.7	13.7	13.0	13.0	13.7	13.7	13.7	14.5	13.0	13.7
90°	28.5	28.7	29.2	29.7	30.1	30.6	30.1	29.7	29.2	28.7	28.5
92.5°	33.6	33.7	33.9	34.2	34.4	34.6	34.4	34.2	33.9	33.7	33.6
95°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
97.5°	40.7	40.8	41.1	41.3	41.6	41.8	41.6	41.3	41.1	40.8	40.7
100°	41.8	41.9	42.1	42.4	42.6	42.8	42.6	42.4	42.1	41.9	41.8
102.5°	41.8	42.0	42.5	42.9	43.4	43.8	43.4	42.9	42.5	42.0	41.8
105°	42.8	43.0	43.5	43.9	44.4	44.8	44.4	43.9	43.5	43.0	42.8
107.5°	239.4	224.6	194.9	165.2	135.6	105.9	135.6	165.2	194.9	224.6	239.4
110°	425.8	409.6	377.3	344.9	312.6	280.2	312.6	344.9	377.3	409.6	425.8

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	532.8	532.6	532.1	531.7	531.2	530.8	531.2	531.7	532.1	532.6	532.8
115°	594.9	595.4	596.3	597.2	598.1	599.0	598.1	597.2	596.3	595.4	594.9
117.5°	653.0	653.1	653.3	653.6	653.8	654.0	653.8	653.6	653.3	653.1	653.0
120°	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1
122.5°	766.1	766.2	766.4	766.7	766.9	767.1	766.9	766.7	766.4	766.2	766.1
125°	817.0	817.2	817.7	818.2	818.6	819.1	818.6	818.2	817.7	817.2	817.0
127.5°	872.0	871.8	871.3	870.9	870.4	870.0	870.4	870.9	871.3	871.8	872.0
130°	920.9	920.7	920.2	919.8	919.3	918.9	919.3	919.8	920.2	920.7	920.9
132.5°	966.8	966.5	965.8	965.1	964.4	963.7	964.4	965.1	965.8	966.5	966.8
135°	1012.6	1012.3	1011.6	1010.9	1010.3	1009.6	1010.3	1010.9	1011.6	1012.3	1012.6
137.5°	1055.4	1055.2	1054.7	1054.3	1053.8	1053.4	1053.8	1054.3	1054.7	1055.2	1055.4
140°	1094.1	1093.9	1093.4	1093.0	1092.5	1092.1	1092.5	1093.0	1093.4	1093.9	1094.1
142.5°	1130.8	1130.5	1129.8	1129.1	1128.4	1127.7	1128.4	1129.1	1129.8	1130.5	1130.8
145°	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4
147.5°	1196.0	1195.4	1194.3	1193.2	1192.0	1190.9	1192.0	1193.2	1194.3	1195.4	1196.0
150°	1224.5	1224.2	1223.5	1222.8	1222.2	1221.5	1222.2	1222.8	1223.5	1224.2	1224.5
152.5°	1251.0	1250.4	1249.3	1248.2	1247.0	1245.9	1247.0	1248.2	1249.3	1250.4	1251.0
155°	1274.4	1273.7	1272.4	1271.0	1269.7	1268.3	1269.7	1271.0	1272.4	1273.7	1274.4
157.5°	1295.8	1294.9	1293.1	1291.3	1289.5	1287.7	1289.5	1291.3	1293.1	1294.9	1295.8
160°	1313.1	1312.3	1310.7	1309.2	1307.6	1306.0	1307.6	1309.2	1310.7	1312.3	1313.1
162.5°	1329.4	1328.7	1327.4	1326.0	1324.7	1323.3	1324.7	1326.0	1327.4	1328.7	1329.4
165°	1343.7	1342.9	1341.3	1339.8	1338.2	1336.6	1338.2	1339.8	1341.3	1342.9	1343.7
167.5°	1354.9	1354.0	1352.2	1350.4	1348.6	1346.8	1348.6	1350.4	1352.2	1354.0	1354.9
170°	1364.1	1363.2	1361.4	1359.5	1357.7	1355.9	1357.7	1359.5	1361.4	1363.2	1364.1
172.5°	1370.2	1369.2	1367.1	1365.1	1363.0	1361.0	1363.0	1365.1	1367.1	1369.2	1370.2
175°	1374.3	1373.4	1371.6	1369.7	1367.9	1366.1	1367.9	1369.7	1371.6	1373.4	1374.3
177.5°	1377.3	1376.2	1373.9	1371.6	1369.4	1367.1	1369.4	1371.6	1373.9	1376.2	1377.3
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	843.1	846.1	843.1	837.0	843.1	846.9	850.7	856.8	859.9	859.9	864.4
5°	795.0	801.1	798.8	797.3	803.4	807.2	813.3	821.0	829.3	834.7	840.8
7.5°	752.3	756.1	759.9	759.9	766.0	774.4	783.6	792.7	803.4	811.0	815.6
10°	714.9	718.0	720.2	723.3	732.4	741.6	753.8	765.3	774.4	782.8	790.4
12.5°	679.0	683.6	689.0	691.2	698.1	709.6	721.0	734.7	749.2	757.6	765.3
15°	644.7	647.0	653.1	660.0	666.1	678.3	692.8	707.3	719.5	732.4	739.3
17.5°	609.6	610.4	626.4	622.6	642.4	653.9	661.5	675.2	695.1	705.7	716.4
20°	575.3	582.9	589.8	593.6	604.3	617.2	639.4	650.0	666.1	676.0	685.1
22.5°	548.6	560.0	560.0	569.2	574.5	586.7	602.7	623.3	640.9	647.8	660.7
25°	524.9	530.3	539.4	542.5	552.4	563.1	573.8	595.9	615.0	624.1	633.3
27.5°	494.4	501.3	513.5	513.5	526.4	537.9	550.9	565.4	584.4	597.4	607.3
30°	470.8	477.6	483.0	491.4	496.7	507.4	530.3	540.9	557.7	569.2	581.4
32.5°	448.6	454.0	458.5	467.7	473.8	486.0	498.2	517.3	531.8	542.5	555.4
35°	424.2	429.6	435.7	442.5	451.7	463.1	474.6	490.6	505.1	515.0	525.7
37.5°	401.3	405.1	414.3	418.9	426.5	437.2	451.7	468.5	481.4	489.1	499.7
40°	379.2	382.2	389.1	397.5	402.8	411.2	426.5	441.0	457.0	466.2	474.6
42.5°	355.5	359.4	365.5	373.9	382.2	391.4	399.8	416.6	431.1	438.7	447.9
45°	334.9	337.2	341.8	350.2	358.6	365.5	378.4	393.7	407.4	413.5	423.4
47.5°	310.5	312.8	319.7	323.5	332.7	341.8	354.8	370.0	382.2	388.3	397.5
50°	285.3	287.6	292.2	300.6	306.7	316.6	328.1	341.0	356.3	364.7	370.0
52.5°	260.9	265.5	269.3	276.2	283.8	293.7	304.4	316.6	329.6	338.0	344.1
55°	236.5	240.3	244.9	248.7	257.9	267.0	279.2	290.7	302.1	309.8	316.6
57.5°	209.1	214.4	219.0	226.6	233.5	241.1	254.8	264.0	277.7	283.1	289.2
60°	185.4	190.7	194.6	200.7	206.8	216.7	225.8	237.3	248.7	255.6	263.2
62.5°	165.6	167.9	170.1	176.2	182.3	191.5	200.7	212.1	224.3	228.1	234.2
65°	145.7	148.0	151.8	157.2	161.7	167.1	177.0	186.2	197.6	203.7	206.0
67.5°	128.9	131.2	132.0	135.8	139.6	145.7	151.1	160.2	170.9	174.7	179.3
70°	109.9	113.7	114.4	117.5	119.0	122.8	128.9	135.8	144.2	151.1	154.9
72.5°	87.7	93.1	94.6	99.2	101.5	105.3	109.9	115.2	120.5	123.6	126.7
75°	71.7	73.2	74.0	77.8	81.6	87.0	89.3	92.3	96.9	100.7	103.8
77.5°	59.5	60.3	61.0	61.0	61.8	64.9	69.4	73.2	76.3	77.8	80.1
80°	48.1	47.3	47.3	48.1	48.1	48.1	49.6	54.9	56.5	60.3	59.5
82.5°	37.4	35.9	36.6	35.9	35.9	35.9	35.9	36.6	36.6	38.9	40.4
85°	24.4	25.2	24.4	24.4	23.7	24.4	23.7	23.7	22.9	22.9	22.1
87.5°	13.0	13.7	13.0	13.0	12.2	13.0	12.2	12.2	11.4	11.4	9.9
90°	28.0	27.1	26.2	25.3	24.4	21.5	18.5	15.6	12.7	11.2	10.1
92.5°	32.8	31.2	29.7	28.1	26.5	24.5	22.4	20.4	18.3	17.3	18.0
95°	37.9	36.3	34.8	33.2	31.6	29.1	26.6	24.1	21.6	20.4	25.0
97.5°	39.8	38.0	36.2	34.4	32.6	44.2	55.7	67.3	78.8	84.6	87.8
100°	40.9	39.1	37.2	35.4	33.6	68.9	104.2	139.5	174.8	192.5	190.2
102.5°	45.5	53.0	60.5	67.9	75.4	114.8	154.2	193.5	232.9	252.6	251.1
105°	62.8	102.9	143.0	183.0	223.1	243.5	263.9	284.2	304.6	314.8	313.6
107.5°	256.8	291.7	326.6	361.4	396.3	392.9	389.5	386.1	382.7	381.0	380.0
110°	429.5	437.0	444.5	451.9	459.4	456.9	454.4	451.9	449.4	448.2	447.3

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	531.8	529.7	527.7	525.6	523.6	521.1	518.6	516.1	513.6	512.4	511.6
115°	593.8	591.5	589.3	587.0	584.8	582.8	580.7	578.7	576.6	575.6	574.9
117.5°	652.1	650.3	648.5	646.7	644.9	643.8	642.6	641.5	640.4	639.8	639.0
120°	710.2	708.4	706.5	704.7	702.9	702.2	701.6	700.9	700.2	699.9	698.9
122.5°	765.5	764.4	763.3	762.1	761.0	760.1	759.2	758.3	757.4	756.9	756.1
125°	816.8	816.3	815.9	815.4	815.0	814.1	813.2	812.3	811.4	810.9	810.0
127.5°	871.7	871.0	870.3	869.7	869.0	867.9	866.7	865.6	864.5	863.9	863.0
130°	920.5	919.6	918.7	917.8	916.9	916.0	915.1	914.2	913.3	912.8	911.9
132.5°	966.3	965.4	964.5	963.6	962.7	962.0	961.3	960.6	959.9	959.6	958.7
135°	1012.3	1011.6	1010.9	1010.3	1009.6	1008.7	1007.8	1006.9	1006.0	1005.5	1004.8
137.5°	1054.8	1053.7	1052.6	1051.4	1050.3	1049.9	1049.4	1049.0	1048.5	1048.3	1047.4
140°	1093.6	1092.7	1091.8	1090.9	1090.0	1089.3	1088.7	1088.0	1087.3	1087.0	1086.3
142.5°	1130.5	1129.8	1129.1	1128.4	1127.7	1127.0	1126.4	1125.7	1125.0	1124.7	1124.0
145°	1164.2	1163.7	1163.3	1162.8	1162.4	1161.9	1161.5	1161.0	1160.5	1160.3	1159.5
147.5°	1195.8	1195.3	1194.9	1194.4	1194.0	1193.5	1193.1	1192.6	1192.1	1191.9	1191.3
150°	1224.3	1223.8	1223.4	1222.9	1222.5	1222.0	1221.6	1221.1	1220.6	1220.4	1220.1
152.5°	1250.5	1249.6	1248.7	1247.8	1246.9	1246.7	1246.5	1246.2	1246.0	1245.9	1245.8
155°	1273.8	1272.7	1271.6	1270.4	1269.3	1269.1	1268.9	1268.6	1268.4	1268.3	1268.5
157.5°	1295.1	1293.8	1292.4	1291.1	1289.7	1289.9	1290.1	1290.4	1290.6	1290.7	1290.7
160°	1312.4	1311.1	1309.7	1308.4	1307.0	1307.2	1307.5	1307.7	1308.0	1308.1	1308.2
162.5°	1328.6	1327.0	1325.5	1323.9	1322.3	1322.5	1322.7	1323.0	1323.2	1323.3	1323.6
165°	1342.8	1341.0	1339.2	1337.4	1335.6	1335.8	1336.0	1336.3	1336.5	1336.6	1336.9
167.5°	1354.0	1352.2	1350.4	1348.6	1346.8	1346.8	1346.8	1346.8	1346.8	1346.8	1347.2
170°	1363.2	1361.4	1359.5	1357.7	1355.9	1355.9	1355.9	1355.9	1355.9	1355.9	1356.4
172.5°	1369.3	1367.5	1365.6	1363.8	1362.0	1361.8	1361.6	1361.3	1361.1	1361.0	1361.6
175°	1373.5	1371.9	1370.3	1368.7	1367.1	1366.9	1366.7	1366.4	1366.2	1366.1	1366.7
177.5°	1376.4	1374.6	1372.8	1371.0	1369.2	1369.0	1368.8	1368.5	1368.3	1368.2	1368.8
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	891.1	891.1	891.1	891.1
2.5°	868.3	873.6	884.3	893.4
5°	849.9	858.3	874.4	890.4
7.5°	827.8	840.8	861.4	883.5
10°	806.5	823.2	848.4	874.4
12.5°	785.1	802.6	829.3	862.9
15°	759.9	778.2	810.3	850.7
17.5°	737.8	762.2	791.2	831.6
20°	714.1	732.4	769.8	812.6
22.5°	684.4	714.9	750.0	795.0
25°	660.7	687.4	722.5	773.6
27.5°	631.7	663.0	705.7	750.8
30°	608.1	634.0	673.7	727.9
32.5°	580.6	611.1	652.3	705.7
35°	556.2	582.1	621.1	675.2
37.5°	527.2	555.4	598.9	647.0
40°	502.0	529.5	570.7	615.7
42.5°	471.5	500.5	541.7	579.9
45°	447.1	473.8	506.6	541.7
47.5°	417.3	445.6	477.6	502.0
50°	390.6	416.6	441.8	462.4
52.5°	361.6	385.3	408.2	423.4
55°	334.9	353.3	371.6	382.2
57.5°	303.7	321.2	336.5	342.6
60°	276.2	290.7	300.6	307.5
62.5°	247.2	257.9	265.5	269.3
65°	219.0	226.6	230.4	234.2
67.5°	190.0	196.8	199.1	203.7
70°	159.5	167.1	168.6	170.9
72.5°	136.6	136.6	139.6	142.7
75°	109.1	110.6	112.2	112.2
77.5°	85.5	85.5	87.0	87.7
80°	62.6	63.3	63.3	62.6
82.5°	42.7	44.3	42.7	42.0
85°	23.7	26.7	25.2	25.2
87.5°	9.9	9.9	11.4	9.9
90°	7.8	5.5	3.3	1.0
92.5°	19.3	20.7	22.0	23.4
95°	34.3	43.6	52.8	62.1
97.5°	94.1	100.4	106.8	113.1
100°	185.7	181.2	176.7	172.2
102.5°	248.2	245.3	242.3	239.4
105°	311.1	308.6	306.1	303.6
107.5°	377.9	375.9	373.8	371.8
110°	445.5	443.7	441.9	440.1

TEST NUMBER: P1031166

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	510.0	508.5	506.9	505.3
115°	573.6	572.2	570.9	569.5
117.5°	637.4	635.8	634.2	632.6
120°	696.8	694.8	692.7	690.7
122.5°	754.5	753.0	751.4	749.8
125°	808.2	806.4	804.6	802.8
127.5°	861.2	859.3	857.5	855.7
130°	910.1	908.2	906.4	904.6
132.5°	956.9	955.1	953.3	951.5
135°	1003.5	1002.1	1000.8	999.4
137.5°	1045.6	1043.7	1041.9	1040.1
140°	1085.0	1083.6	1082.3	1080.9
142.5°	1122.7	1121.3	1120.0	1118.6
145°	1157.9	1156.4	1154.8	1153.2
147.5°	1190.2	1189.1	1187.9	1186.8
150°	1219.4	1218.7	1218.1	1217.4
152.5°	1245.6	1245.3	1245.1	1244.9
155°	1269.0	1269.5	1269.9	1270.4
157.5°	1290.7	1290.7	1290.7	1290.7
160°	1308.4	1308.7	1308.9	1309.1
162.5°	1324.3	1325.0	1325.7	1326.4
165°	1337.6	1338.3	1338.9	1339.6
167.5°	1348.1	1349.0	1349.9	1350.8
170°	1357.3	1358.2	1359.1	1360.0
172.5°	1362.7	1363.8	1365.0	1366.1
175°	1367.8	1368.9	1370.1	1371.2
177.5°	1369.9	1371.0	1372.2	1373.3
180°	1371.2	1371.2	1371.2	1371.2

(END OF REPORT)