

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: P1031168

Luminaire Tested: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031168
REPORT IS A COMBINATION OF REPORTS P994391 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_5000K
Description: Define 3 Regressed Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

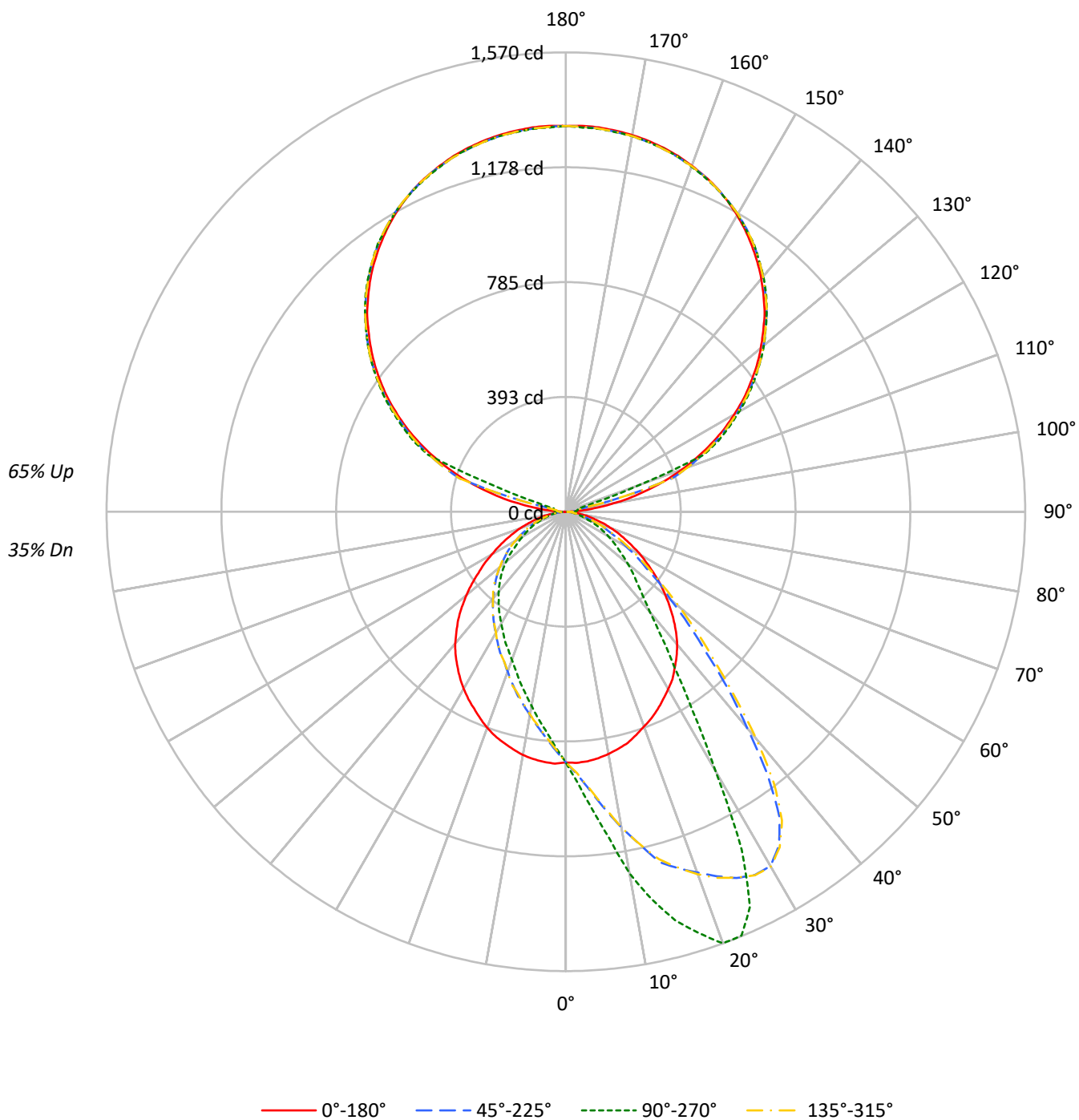
Lumens per Lamp: N/A
Luminaire Lumens: 6155.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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: P1031168

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35		
1	95	91	87	84	86	82	79	76	66	64	62	51	50	49	38	37	36	30		
2	87	80	74	69	78	72	67	63	58	55	52	46	43	41	34	32	31	26		
3	79	70	63	58	71	64	58	53	52	48	44	41	38	35	30	28	27	22		
4	73	62	55	49	65	57	50	45	46	42	38	36	33	31	27	25	24	20		
5	67	56	48	42	60	51	44	39	41	37	33	33	29	27	25	23	21	17		
6	61	50	42	37	55	46	39	34	37	32	29	30	26	24	23	20	18	15		
7	57	45	38	32	51	41	35	30	34	29	25	27	24	21	21	18	16	14		
8	53	41	34	28	48	38	31	26	31	26	23	25	21	19	19	17	15	12		
9	49	37	30	25	44	34	28	24	28	24	20	23	19	17	18	15	13	11		
10	46	34	27	23	41	31	25	21	26	21	18	21	18	15	16	14	12	10		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9220	9220	9220	9220
5°	9228	10619	9252	7879
10°	9146	12819	9185	6881
15°	9052	14549	9052	6068
20°	8867	15693	8917	5382
25°	8731	14909	8713	4911
30°	8573	10330	8555	4451
35°	8383	6632	8344	4103
40°	8146	4684	8105	3758
45°	7733	3748	7723	3421
50°	7226	3135	7204	3028
55°	6657	2585	6605	2567
60°	6100	2135	6038	2182
65°	5444	1710	5478	1849
70°	4838	1187	4968	1495
75°	4101	881	4268	1149
80°	3263	584	3545	863
85°	2325	277	2536	536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12310 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.4
10°-20°	263.3	4.3
20°-30°	414.7	6.7
30°-40°	431.3	7.0
40°-50°	369.0	6.0
50°-60°	281.3	4.6
60°-70°	180.2	2.9
70°-80°	86.3	1.4
80°-90°	25.3	0.4
90°-100°	46.5	0.8
100°-110°	224.8	3.7
110°-120°	550.8	8.9
120°-130°	699.3	11.4
130°-140°	747.0	12.1
140°-150°	698.6	11.3
150°-160°	563.5	9.2
160°-170°	363.6	5.9
170°-180°	125.3	2.0
0°-30°	762.2	12.4
0°-40°	1193.5	19.4
0°-60°	1843.7	30.0
0°-90°	2135.6	34.7
90°-120°	822.1	13.4
90°-150°	2967.0	48.2
90°-180°	4019.0	65.3
0°-180°	6155.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	857	857	857	857	857	
5°	856	1017	858	755	856	81
15°	818	1446	818	603	818	230
25°	744	1490	742	491	744	343
35°	649	646	646	400	649	406
45°	521	345	520	315	521	401
55°	367	216	364	215	367	329
65°	225	125	227	135	225	225
75°	108	53	112	69	108	116
85°	24	12	26	24	24	27
90°	1	29	1	29	1	5
95°	60	37	60	37	60	71
105°	292	43	292	43	292	309
115°	548	576	548	576	548	541
125°	772	788	772	788	772	690
135°	961	971	961	971	961	740
145°	1109	1120	1109	1120	1109	694
155°	1222	1220	1222	1220	1222	563
165°	1288	1285	1288	1285	1288	364
175°	1318	1314	1318	1314	1318	125
180°	1318	1318	1318	1318	1318	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	858.8	864.7	869.1	872.0	879.3	883.7	887.4	894.0	894.0	895.5	898.4
5°	855.9	868.3	877.1	888.9	904.3	911.6	921.9	930.7	943.1	949.7	956.3
7.5°	849.3	866.9	885.2	902.8	925.5	940.2	950.5	973.2	989.4	1009.2	1024.6
10°	840.5	864.7	888.1	915.3	946.1	968.1	983.5	1013.6	1044.4	1072.2	1095.7
12.5°	829.5	858.8	892.5	925.5	968.8	990.8	1015.8	1053.2	1097.2	1132.4	1163.9
15°	817.7	851.5	889.6	929.9	984.2	1015.0	1051.0	1096.4	1145.6	1196.2	1239.4
17.5°	799.4	841.9	884.5	943.1	1007.0	1025.3	1056.1	1118.4	1179.3	1224.8	1277.6
20°	781.1	828.7	882.3	935.1	1004.0	1046.6	1075.2	1141.2	1206.4	1261.4	1312.0
22.5°	764.2	814.1	869.8	936.5	1001.1	1043.6	1079.6	1148.5	1224.0	1285.6	1348.0
25°	743.7	797.9	859.5	922.6	1001.1	1033.4	1073.0	1152.9	1232.8	1304.0	1381.0
27.5°	721.7	776.7	837.5	902.1	974.0	1021.6	1060.5	1146.3	1243.8	1320.1	1399.3
30°	699.7	756.1	814.8	872.7	953.4	998.9	1043.6	1138.2	1249.7	1337.0	1397.9
32.5°	678.4	726.1	784.0	840.5	920.4	970.3	1020.9	1130.2	1251.9	1325.2	1354.6
35°	649.1	698.9	745.9	806.0	886.7	935.8	995.2	1129.4	1242.4	1287.8	1273.2
37.5°	621.9	663.7	708.5	762.0	844.9	908.7	970.3	1110.4	1210.8	1213.8	1130.9
40°	591.9	626.3	663.7	720.2	809.7	872.7	939.5	1081.0	1153.6	1110.4	964.4
42.5°	557.4	588.2	617.5	672.5	770.1	840.5	912.3	1044.4	1070.8	971.0	819.2
45°	520.7	545.6	572.8	630.7	728.3	797.9	869.8	987.9	960.7	819.9	675.5
47.5°	482.6	503.8	530.2	583.1	683.5	754.7	822.9	907.2	838.3	687.2	566.2
50°	444.4	461.3	487.0	541.2	638.1	702.6	765.7	820.7	723.9	589.7	467.9
52.5°	407.0	420.2	446.6	492.8	586.7	648.3	693.8	715.1	616.8	487.0	406.3
55°	367.4	382.1	399.7	446.6	539.8	585.3	615.3	614.6	513.4	412.9	335.9
57.5°	329.3	342.5	357.9	404.8	480.4	511.2	536.8	524.4	428.3	338.1	288.2
60°	295.6	302.9	319.8	359.4	416.6	443.0	457.6	436.4	349.8	285.3	238.4
62.5°	258.9	266.2	280.2	317.6	352.8	366.7	379.2	352.0	289.0	232.5	203.9
65°	225.2	234.7	243.5	273.6	292.6	309.5	308.0	285.3	225.9	189.2	165.7
67.5°	195.8	199.5	206.8	225.2	234.0	246.4	247.2	221.5	181.9	154.0	140.1
70°	164.3	167.9	173.1	181.9	187.7	190.7	189.2	166.5	137.1	120.3	107.8
72.5°	137.1	136.4	140.1	140.1	145.9	145.2	140.8	123.2	104.1	90.2	82.9
75°	107.8	108.5	109.3	107.8	105.6	102.7	99.0	85.8	73.3	66.7	60.1
77.5°	84.3	82.9	83.6	78.5	75.5	72.6	67.5	60.9	50.6	49.1	46.2
80°	60.1	59.4	58.7	56.5	49.9	46.9	43.3	39.6	37.4	35.9	35.2
82.5°	40.3	40.3	38.9	34.5	30.8	28.6	27.9	26.4	24.2	24.2	23.5
85°	24.2	23.5	22.0	17.6	15.4	15.4	15.4	15.4	13.9	13.9	13.2
87.5°	9.5	8.8	6.6	6.6	5.9	5.9	5.9	5.1	5.1	4.4	4.4
90°	1.0	3.2	5.4	7.5	9.7	10.8	12.2	15.0	17.9	20.7	23.5
92.5°	22.5	21.2	19.9	18.6	17.3	16.7	17.7	19.6	21.6	23.5	25.5
95°	59.8	50.9	41.9	33.0	24.1	19.6	20.8	23.2	25.6	28.0	30.4
97.5°	108.7	102.6	96.5	90.4	84.3	81.3	75.7	64.6	53.5	42.4	31.3
100°	165.5	169.9	174.2	178.6	182.9	185.1	168.1	134.2	100.2	66.3	32.3
102.5°	230.2	233.0	235.8	238.7	241.5	242.9	224.0	186.1	148.2	110.4	72.5
105°	291.9	294.3	296.7	299.1	301.5	302.7	292.9	273.3	253.7	234.1	214.5
107.5°	357.5	359.5	361.4	363.4	365.3	366.3	367.9	371.2	374.5	377.7	381.0
110°	423.2	424.9	426.7	428.4	430.1	431.0	432.2	434.6	437.0	439.4	441.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	485.8	487.3	488.9	490.4	491.9	492.7	493.9	496.3	498.7	501.1	503.5
115°	547.6	548.9	550.2	551.5	552.8	553.4	554.4	556.3	558.3	560.2	562.2
117.5°	608.3	609.8	611.3	612.8	614.3	615.1	615.6	616.7	617.8	618.9	620.0
120°	664.1	666.1	668.0	670.0	671.9	672.9	673.2	673.9	674.6	675.2	675.9
122.5°	720.9	722.4	724.0	725.5	727.0	727.8	728.2	729.1	730.0	730.8	731.7
125°	771.9	773.6	775.4	777.1	778.8	779.7	780.1	781.0	781.9	782.7	783.6
127.5°	822.8	824.5	826.3	828.0	829.7	830.6	831.1	832.2	833.3	834.4	835.5
130°	869.8	871.6	873.3	875.1	876.8	877.7	878.1	879.0	879.9	880.7	881.6
132.5°	914.9	916.6	918.4	920.1	921.8	922.7	923.0	923.7	924.3	925.0	925.6
135°	960.9	962.2	963.5	964.8	966.1	966.8	967.2	968.1	969.0	969.8	970.7
137.5°	1000.1	1001.8	1003.6	1005.3	1007.0	1007.9	1008.1	1008.6	1009.0	1009.5	1009.9
140°	1039.3	1040.6	1041.9	1043.2	1044.5	1045.2	1045.5	1046.2	1046.8	1047.5	1048.1
142.5°	1075.5	1076.8	1078.1	1079.4	1080.7	1081.4	1081.7	1082.4	1083.0	1083.7	1084.3
145°	1108.8	1110.3	1111.9	1113.4	1114.9	1115.7	1115.9	1116.3	1116.8	1117.2	1117.6
147.5°	1141.1	1142.2	1143.3	1144.4	1145.5	1146.0	1146.2	1146.7	1147.1	1147.6	1148.0
150°	1170.5	1171.2	1171.8	1172.5	1173.2	1173.5	1173.7	1174.1	1174.6	1175.0	1175.4
152.5°	1197.0	1197.2	1197.4	1197.7	1197.9	1198.0	1198.1	1198.3	1198.5	1198.7	1198.9
155°	1221.5	1221.1	1220.6	1220.2	1219.7	1219.5	1219.6	1219.8	1220.1	1220.3	1220.5
157.5°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.0	1240.8	1240.5	1240.3	1240.1
160°	1258.7	1258.5	1258.3	1258.0	1257.8	1257.7	1257.6	1257.4	1257.1	1256.9	1256.7
162.5°	1275.3	1274.7	1274.0	1273.4	1272.7	1272.4	1272.3	1272.1	1271.8	1271.6	1271.4
165°	1288.1	1287.4	1286.8	1286.1	1285.4	1285.1	1285.0	1284.8	1284.6	1284.4	1284.2
167.5°	1298.8	1297.9	1297.1	1296.2	1295.3	1294.9	1294.9	1294.9	1294.9	1294.9	1294.9
170°	1307.7	1306.8	1305.9	1305.0	1304.1	1303.7	1303.7	1303.7	1303.7	1303.7	1303.7
172.5°	1313.5	1312.4	1311.3	1310.2	1309.1	1308.6	1308.7	1308.9	1309.2	1309.4	1309.6
175°	1318.4	1317.3	1316.2	1315.1	1314.0	1313.5	1313.6	1313.8	1314.1	1314.3	1314.5
177.5°	1320.4	1319.3	1318.2	1317.1	1316.0	1315.5	1315.6	1315.8	1316.1	1316.3	1316.5
180°	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	904.3	904.3	910.9	917.5	913.8	916.0	924.1	921.1	927.0	926.3	928.5
5°	972.5	980.6	987.2	1001.1	1003.3	1001.1	1015.0	1018.7	1025.3	1017.2	1020.9
7.5°	1049.5	1066.4	1082.5	1103.0	1109.6	1111.1	1118.4	1128.7	1137.5	1121.4	1129.4
10°	1124.3	1150.0	1183.0	1201.3	1217.4	1223.3	1229.2	1235.8	1246.0	1255.6	1248.2
12.5°	1205.0	1242.4	1273.9	1306.9	1326.7	1324.5	1341.4	1345.8	1353.9	1356.1	1359.0
15°	1271.0	1323.8	1343.6	1392.7	1397.1	1411.8	1430.9	1447.7	1449.9	1445.5	1445.5
17.5°	1334.0	1379.5	1414.7	1454.3	1462.4	1474.9	1499.1	1507.1	1510.1	1509.3	1509.3
20°	1385.4	1415.5	1474.9	1507.9	1521.1	1537.2	1554.1	1564.3	1566.5	1569.5	1565.1
22.5°	1419.1	1464.6	1513.0	1540.1	1551.1	1557.0	1568.0	1570.9	1567.3	1568.0	1568.7
25°	1445.5	1490.3	1519.6	1526.9	1526.2	1518.9	1510.8	1496.9	1495.4	1489.5	1477.8
27.5°	1452.9	1469.7	1466.1	1436.0	1405.9	1403.0	1354.6	1328.2	1298.1	1302.5	1285.6
30°	1413.3	1391.3	1339.2	1262.9	1231.4	1180.0	1125.8	1069.3	1047.3	1023.1	1067.8
32.5°	1316.4	1238.0	1145.6	1046.6	993.8	948.3	890.3	849.3	825.8	806.0	844.1
35°	1170.5	1048.0	925.5	831.7	788.4	747.3	693.1	672.5	643.2	646.1	649.8
37.5°	982.8	847.8	755.4	663.0	634.4	617.5	577.9	546.4	536.1	533.2	533.2
40°	806.7	696.0	613.9	541.2	519.2	505.3	473.8	459.1	448.1	445.2	448.8
42.5°	667.4	572.8	509.0	460.6	445.2	427.6	414.4	396.0	393.8	388.7	395.3
45°	560.3	478.2	430.5	395.3	382.1	375.5	360.8	349.8	345.4	344.7	349.8
47.5°	475.2	411.4	369.6	347.6	337.4	330.8	318.3	313.9	309.5	311.0	308.8
50°	399.0	351.3	324.2	304.4	297.8	291.2	283.1	278.7	276.5	276.5	275.8
52.5°	342.5	302.9	285.3	267.0	264.0	260.4	251.6	248.6	245.0	244.2	247.2
55°	293.4	266.2	248.6	237.6	234.7	227.4	223.7	220.0	217.8	216.4	217.1
57.5°	250.8	230.3	218.6	209.0	203.9	201.0	194.4	193.6	192.1	192.1	191.4
60°	215.6	201.0	187.0	181.1	177.5	173.8	173.1	168.7	166.5	167.9	167.2
62.5°	182.6	170.9	162.8	156.2	154.0	151.1	148.9	147.4	145.2	145.9	145.9
65°	152.5	143.0	137.1	131.3	130.5	127.6	126.9	125.4	125.4	124.7	126.1
67.5°	125.4	118.8	113.7	110.0	107.8	108.5	105.6	103.4	103.4	102.7	104.9
70°	99.7	96.1	90.9	86.5	83.6	83.6	79.9	79.2	79.2	79.2	78.5
72.5°	77.0	70.4	68.2	66.7	66.7	66.7	65.3	65.3	64.5	65.3	64.5
75°	57.2	56.5	55.0	54.3	54.3	53.5	52.8	52.8	52.8	52.8	52.8
77.5°	44.7	44.7	43.3	42.5	42.5	42.5	41.8	41.8	41.1	41.1	41.1
80°	33.0	33.0	31.5	31.5	31.5	30.8	30.8	30.8	31.5	30.8	30.8
82.5°	22.7	22.7	22.0	22.7	22.0	21.3	21.3	21.3	20.5	21.3	21.3
85°	13.2	13.2	12.5	11.7	12.5	12.5	11.7	12.5	11.7	12.5	11.7
87.5°	5.1	4.4	4.4	4.4	3.7	4.4	3.7	3.7	4.4	3.7	4.4
90°	24.4	25.2	26.1	27.0	27.4	27.6	28.1	28.5	29.0	29.4	29.0
92.5°	27.0	28.5	30.0	31.5	32.3	32.4	32.6	32.9	33.1	33.3	33.1
95°	31.9	33.4	34.9	36.4	37.2	37.2	37.2	37.2	37.2	37.2	37.2
97.5°	33.1	34.8	36.6	38.3	39.2	39.3	39.5	39.8	40.0	40.2	40.0
100°	34.1	35.8	37.6	39.3	40.2	40.3	40.5	40.7	40.9	41.1	40.9
102.5°	65.3	58.1	51.0	43.8	40.2	40.4	40.8	41.3	41.7	42.1	41.7
105°	176.0	137.4	98.9	60.4	41.1	41.3	41.8	42.2	42.7	43.1	42.7
107.5°	347.5	314.0	280.5	247.0	230.2	215.9	187.4	158.9	130.4	101.9	130.4
110°	434.6	427.4	420.2	413.0	409.4	393.8	362.7	331.6	300.5	269.4	300.5

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	505.5	507.4	509.4	511.3	512.3	512.1	511.6	511.2	510.7	510.3	510.7
115°	564.4	566.6	568.7	570.9	572.0	572.4	573.3	574.2	575.1	576.0	575.1
117.5°	621.8	623.5	625.3	627.0	627.9	628.0	628.2	628.5	628.7	628.9	628.7
120°	677.6	679.4	681.1	682.8	683.7	683.7	683.7	683.7	683.7	683.7	683.7
122.5°	732.8	733.9	735.0	736.1	736.6	736.7	736.9	737.2	737.4	737.6	737.4
125°	784.0	784.5	784.9	785.4	785.6	785.8	786.2	786.7	787.1	787.5	787.1
127.5°	836.2	836.8	837.5	838.2	838.5	838.3	837.8	837.4	836.9	836.5	836.9
130°	882.5	883.3	884.2	885.1	885.5	885.3	884.8	884.4	883.9	883.5	883.9
132.5°	926.5	927.4	928.3	929.2	929.6	929.3	928.6	927.9	927.3	926.6	927.3
135°	971.3	972.0	972.6	973.3	973.6	973.3	972.6	972.0	971.3	970.7	971.3
137.5°	1011.0	1012.1	1013.2	1014.3	1014.8	1014.6	1014.1	1013.7	1013.2	1012.8	1013.2
140°	1049.0	1049.8	1050.7	1051.6	1052.0	1051.8	1051.3	1050.9	1050.4	1050.0	1050.4
142.5°	1085.0	1085.6	1086.3	1087.0	1087.3	1087.0	1086.3	1085.6	1085.0	1084.3	1085.0
145°	1118.0	1118.5	1118.9	1119.4	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6
147.5°	1148.4	1148.9	1149.3	1149.8	1150.0	1149.5	1148.4	1147.3	1146.2	1145.1	1146.2
150°	1175.8	1176.3	1176.7	1177.2	1177.4	1177.1	1176.4	1175.7	1175.1	1174.4	1175.1
152.5°	1199.8	1200.7	1201.6	1202.5	1202.9	1202.4	1201.3	1200.2	1199.1	1198.0	1199.1
155°	1221.6	1222.7	1223.8	1224.9	1225.4	1224.7	1223.4	1222.1	1220.8	1219.5	1220.8
157.5°	1241.4	1242.7	1244.0	1245.3	1246.0	1245.1	1243.4	1241.6	1239.9	1238.1	1239.9
160°	1258.0	1259.3	1260.6	1261.9	1262.6	1261.8	1260.3	1258.8	1257.2	1255.7	1257.2
162.5°	1272.9	1274.5	1276.0	1277.5	1278.3	1277.6	1276.3	1275.0	1273.7	1272.4	1273.7
165°	1285.9	1287.7	1289.4	1291.1	1292.0	1291.2	1289.7	1288.2	1286.6	1285.1	1286.6
167.5°	1296.7	1298.4	1300.2	1301.9	1302.8	1301.9	1300.2	1298.4	1296.7	1294.9	1296.7
170°	1305.5	1307.2	1309.0	1310.7	1311.6	1310.7	1309.0	1307.2	1305.5	1303.7	1305.5
172.5°	1311.4	1313.1	1314.9	1316.6	1317.5	1316.5	1314.5	1312.6	1310.6	1308.6	1310.6
175°	1316.0	1317.6	1319.1	1320.6	1321.4	1320.5	1318.8	1317.0	1315.3	1313.5	1315.3
177.5°	1318.2	1320.0	1321.7	1323.4	1324.3	1323.2	1321.0	1318.9	1316.7	1314.5	1316.7
180°	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4FO-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	924.8	920.4	917.5	915.3	913.1	919.7	910.9	901.3	894.7	890.3	888.9
5°	1021.6	1012.1	1004.0	997.4	998.9	998.9	983.5	966.6	951.9	943.9	935.1
7.5°	1133.8	1123.6	1107.4	1103.8	1100.8	1082.5	1067.1	1036.3	1018.0	999.6	983.5
10°	1245.3	1232.1	1216.7	1211.6	1204.2	1181.5	1158.0	1118.4	1095.7	1062.0	1040.7
12.5°	1349.5	1333.3	1317.9	1314.2	1303.2	1283.4	1243.1	1202.0	1163.2	1127.2	1089.8
15°	1436.7	1432.3	1408.9	1394.2	1370.0	1342.8	1334.0	1278.3	1229.2	1191.8	1124.3
17.5°	1510.1	1489.5	1467.5	1458.0	1448.5	1416.9	1385.4	1328.2	1275.4	1220.4	1177.1
20°	1568.7	1546.0	1530.6	1516.7	1512.3	1476.3	1426.5	1375.9	1317.9	1256.3	1199.8
22.5°	1571.7	1568.7	1558.5	1550.4	1541.6	1518.1	1478.5	1415.5	1353.9	1286.4	1212.3
25°	1510.8	1506.4	1535.7	1528.4	1534.3	1525.5	1504.2	1451.4	1379.5	1300.3	1225.5
27.5°	1327.4	1372.2	1418.4	1434.5	1445.5	1477.1	1487.3	1458.0	1400.1	1315.7	1232.1
30°	1078.1	1137.5	1212.3	1252.6	1283.4	1342.1	1418.4	1427.9	1400.8	1333.3	1230.6
32.5°	846.3	900.6	960.7	1008.4	1049.5	1169.8	1272.4	1346.5	1359.7	1324.5	1234.3
35°	682.1	705.5	762.7	808.2	863.9	966.6	1087.6	1207.2	1287.8	1292.2	1223.3
37.5°	562.5	575.0	624.9	650.5	683.5	773.7	886.7	1042.9	1168.3	1227.7	1192.5
40°	465.7	494.3	522.9	537.6	561.0	623.4	731.9	854.4	1009.9	1119.9	1144.8
42.5°	404.1	416.6	434.9	455.4	470.1	524.4	597.0	709.2	849.3	1002.6	1071.5
45°	356.4	360.8	379.9	393.1	408.5	446.6	498.0	591.9	715.1	866.1	983.5
47.5°	316.8	325.6	335.9	344.0	354.2	383.6	427.6	495.8	604.3	739.3	865.4
50°	281.6	286.8	300.0	303.6	311.0	331.5	365.2	417.3	506.8	614.6	745.1
52.5°	248.6	258.2	263.3	268.4	275.0	291.9	313.9	356.4	423.9	525.1	635.9
55°	223.0	225.9	233.2	237.6	242.8	254.5	273.6	305.1	357.9	438.6	543.4
57.5°	198.0	198.0	205.4	209.0	214.2	223.0	239.8	264.0	302.2	362.3	458.4
60°	171.6	172.3	178.2	182.6	184.1	192.9	206.8	225.9	255.2	299.2	377.7
62.5°	148.1	151.8	154.7	156.2	161.3	166.5	178.2	191.4	212.0	250.8	306.6
65°	128.3	129.1	131.3	132.7	134.9	140.8	149.6	158.4	176.0	204.6	250.1
67.5°	105.6	108.5	111.5	111.5	113.7	116.6	125.4	132.7	145.9	162.8	193.6
70°	79.2	80.7	85.1	87.3	90.2	95.3	99.7	104.1	114.4	126.9	150.3
72.5°	66.0	66.0	67.5	68.2	68.2	71.9	78.5	82.9	88.0	96.8	112.9
75°	52.8	52.8	55.0	54.3	55.7	57.2	57.9	60.9	63.8	70.4	79.9
77.5°	41.8	42.5	42.5	43.3	43.3	44.0	44.7	46.2	47.7	51.3	55.7
80°	30.8	31.5	31.5	32.3	32.3	33.0	33.7	34.5	35.9	37.4	39.6
82.5°	21.3	22.0	22.0	22.7	22.0	22.7	23.5	23.5	24.2	25.7	26.4
85°	12.5	12.5	13.2	12.5	12.5	12.5	13.2	13.2	13.9	16.1	16.1
87.5°	3.7	4.4	3.7	4.4	4.4	4.4	4.4	5.1	5.1	5.9	6.6
90°	28.5	28.1	27.6	27.4	27.0	26.1	25.2	24.4	23.5	20.7	17.9
92.5°	32.9	32.6	32.4	32.3	31.5	30.0	28.5	27.0	25.5	23.5	21.6
95°	37.2	37.2	37.2	37.2	36.4	34.9	33.4	31.9	30.4	28.0	25.6
97.5°	39.8	39.5	39.3	39.2	38.3	36.6	34.8	33.1	31.3	42.4	53.5
100°	40.7	40.5	40.3	40.2	39.3	37.6	35.8	34.1	32.3	66.3	100.2
102.5°	41.3	40.8	40.4	40.2	43.8	51.0	58.1	65.3	72.5	110.4	148.2
105°	42.2	41.8	41.3	41.1	60.4	98.9	137.4	176.0	214.5	234.1	253.7
107.5°	158.9	187.4	215.9	230.2	247.0	280.5	314.0	347.5	381.0	377.7	374.5
110°	331.6	362.7	393.8	409.4	413.0	420.2	427.4	434.6	441.8	439.4	437.0

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	511.2	511.6	512.1	512.3	511.3	509.4	507.4	505.5	503.5	501.1	498.7
115°	574.2	573.3	572.4	572.0	570.9	568.7	566.6	564.4	562.2	560.2	558.3
117.5°	628.5	628.2	628.0	627.9	627.0	625.3	623.5	621.8	620.0	618.9	617.8
120°	683.7	683.7	683.7	683.7	682.8	681.1	679.4	677.6	675.9	675.2	674.6
122.5°	737.2	736.9	736.7	736.6	736.1	735.0	733.9	732.8	731.7	730.8	730.0
125°	786.7	786.2	785.8	785.6	785.4	784.9	784.5	784.0	783.6	782.7	781.9
127.5°	837.4	837.8	838.3	838.5	838.2	837.5	836.8	836.2	835.5	834.4	833.3
130°	884.4	884.8	885.3	885.5	885.1	884.2	883.3	882.5	881.6	880.7	879.9
132.5°	927.9	928.6	929.3	929.6	929.2	928.3	927.4	926.5	925.6	925.0	924.3
135°	972.0	972.6	973.3	973.6	973.3	972.6	972.0	971.3	970.7	969.8	969.0
137.5°	1013.7	1014.1	1014.6	1014.8	1014.3	1013.2	1012.1	1011.0	1009.9	1009.5	1009.0
140°	1050.9	1051.3	1051.8	1052.0	1051.6	1050.7	1049.8	1049.0	1048.1	1047.5	1046.8
142.5°	1085.6	1086.3	1087.0	1087.3	1087.0	1086.3	1085.6	1085.0	1084.3	1083.7	1083.0
145°	1119.6	1119.6	1119.6	1119.6	1119.4	1118.9	1118.5	1118.0	1117.6	1117.2	1116.8
147.5°	1147.3	1148.4	1149.5	1150.0	1149.8	1149.3	1148.9	1148.4	1148.0	1147.6	1147.1
150°	1175.7	1176.4	1177.1	1177.4	1177.2	1176.7	1176.3	1175.8	1175.4	1175.0	1174.6
152.5°	1200.2	1201.3	1202.4	1202.9	1202.5	1201.6	1200.7	1199.8	1198.9	1198.7	1198.5
155°	1222.1	1223.4	1224.7	1225.4	1224.9	1223.8	1222.7	1221.6	1220.5	1220.3	1220.1
157.5°	1241.6	1243.4	1245.1	1246.0	1245.3	1244.0	1242.7	1241.4	1240.1	1240.3	1240.5
160°	1258.8	1260.3	1261.8	1262.6	1261.9	1260.6	1259.3	1258.0	1256.7	1256.9	1257.1
162.5°	1275.0	1276.3	1277.6	1278.3	1277.5	1276.0	1274.5	1272.9	1271.4	1271.6	1271.8
165°	1288.2	1289.7	1291.2	1292.0	1291.1	1289.4	1287.7	1285.9	1284.2	1284.4	1284.6
167.5°	1298.4	1300.2	1301.9	1302.8	1301.9	1300.2	1298.4	1296.7	1294.9	1294.9	1294.9
170°	1307.2	1309.0	1310.7	1311.6	1310.7	1309.0	1307.2	1305.5	1303.7	1303.7	1303.7
172.5°	1312.6	1314.5	1316.5	1317.5	1316.6	1314.9	1313.1	1311.4	1309.6	1309.4	1309.2
175°	1317.0	1318.8	1320.5	1321.4	1320.6	1319.1	1317.6	1316.0	1314.5	1314.3	1314.1
177.5°	1318.9	1321.0	1323.2	1324.3	1323.4	1321.7	1320.0	1318.2	1316.5	1316.3	1316.1
180°	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4FO-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	886.7	883.0	879.3	879.3	871.3	863.9	860.3	861.7	857.3	851.5	845.6
5°	925.5	910.9	907.9	899.9	888.9	873.5	865.4	858.1	849.3	837.5	826.5
7.5°	961.5	942.4	932.1	924.1	902.8	881.5	863.9	852.2	836.8	819.2	806.0
10°	1008.4	973.2	962.2	943.9	913.8	883.7	863.2	844.1	822.9	802.3	784.7
12.5°	1045.8	1005.5	985.0	966.6	927.7	889.6	855.1	831.7	806.0	783.3	760.5
15°	1088.4	1042.9	1007.0	985.0	935.8	889.6	850.7	817.7	789.1	761.3	741.5
17.5°	1108.9	1051.7	1035.6	1004.0	932.9	886.7	839.0	803.8	769.3	737.1	713.6
20°	1141.2	1074.4	1034.1	1012.8	949.7	881.5	825.8	785.5	749.5	715.1	690.1
22.5°	1143.4	1070.8	1044.4	1004.0	926.3	866.1	814.1	764.9	723.1	690.9	665.2
25°	1138.2	1064.2	1027.5	995.2	930.7	857.3	790.6	742.2	701.1	663.7	633.7
27.5°	1136.0	1045.1	1010.6	978.4	905.7	831.7	776.7	721.7	674.7	641.7	610.9
30°	1133.1	1024.6	982.8	945.3	878.6	811.9	745.9	698.2	653.5	611.7	580.9
32.5°	1114.0	996.7	954.1	914.5	842.7	775.9	723.9	673.3	624.9	586.0	558.1
35°	1108.2	971.0	915.3	872.7	802.3	742.9	687.9	646.1	600.7	561.8	528.8
37.5°	1091.3	944.6	884.5	830.2	756.9	700.4	660.1	618.3	574.2	532.4	506.0
40°	1062.0	913.8	845.6	789.9	714.3	657.1	619.7	588.9	545.6	508.2	476.0
42.5°	1018.7	882.3	808.9	750.3	666.7	613.1	582.3	553.0	516.3	477.4	451.0
45°	968.8	840.5	772.3	707.0	621.9	569.8	537.6	520.0	486.2	453.2	422.4
47.5°	900.6	797.2	729.7	662.3	575.7	525.1	499.4	481.8	458.4	422.4	397.5
50°	814.8	741.5	677.7	617.5	530.2	481.8	456.2	443.0	423.2	397.5	373.3
52.5°	719.5	676.9	624.1	568.4	484.0	438.6	415.1	404.8	390.2	366.0	345.4
55°	623.4	605.1	569.1	514.1	435.6	398.2	377.7	364.5	353.5	335.9	318.3
57.5°	537.6	528.8	503.8	461.3	395.3	356.4	338.8	330.0	321.2	308.0	290.4
60°	448.8	458.4	432.7	411.4	351.3	317.6	302.2	292.6	288.2	276.5	265.5
62.5°	371.8	380.6	366.0	349.8	307.3	277.2	267.7	258.9	256.0	245.7	234.7
65°	302.2	313.2	302.2	293.4	267.7	242.8	231.0	226.6	223.7	217.1	208.3
67.5°	240.6	251.6	246.4	235.4	227.4	206.8	200.2	195.8	194.4	189.2	181.9
70°	181.1	196.6	198.0	191.4	184.1	174.5	170.1	168.7	165.0	160.6	156.2
72.5°	130.5	148.1	148.9	148.9	144.5	144.5	140.1	137.9	137.9	133.5	128.3
75°	96.1	107.8	109.3	110.7	112.9	115.1	112.2	112.2	111.5	107.1	104.9
77.5°	63.8	74.1	77.7	82.9	85.8	85.8	87.3	88.7	87.3	85.1	83.6
80°	41.1	48.4	52.8	55.7	60.1	62.3	64.5	65.3	63.8	63.1	60.9
82.5°	27.1	29.3	31.5	35.2	40.3	44.0	44.0	43.3	44.7	44.0	43.3
85°	15.4	16.9	17.6	18.3	21.3	24.9	25.7	26.4	27.9	26.4	24.9
87.5°	5.9	6.6	6.6	6.6	8.1	8.8	11.0	13.9	13.2	11.7	11.7
90°	15.0	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	17.3	18.6	19.9	21.2	22.5	21.2	19.9	18.6
95°	23.2	20.8	19.6	24.1	33.0	41.9	50.9	59.8	50.9	41.9	33.0
97.5°	64.6	75.7	81.3	84.3	90.4	96.5	102.6	108.7	102.6	96.5	90.4
100°	134.2	168.1	185.1	182.9	178.6	174.2	169.9	165.5	169.9	174.2	178.6
102.5°	186.1	224.0	242.9	241.5	238.7	235.8	233.0	230.2	233.0	235.8	238.7
105°	273.3	292.9	302.7	301.5	299.1	296.7	294.3	291.9	294.3	296.7	299.1
107.5°	371.2	367.9	366.3	365.3	363.4	361.4	359.5	357.5	359.5	361.4	363.4
110°	434.6	432.2	431.0	430.1	428.4	426.7	424.9	423.2	424.9	426.7	428.4

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	496.3	493.9	492.7	491.9	490.4	488.9	487.3	485.8	487.3	488.9	490.4
115°	556.3	554.4	553.4	552.8	551.5	550.2	548.9	547.6	548.9	550.2	551.5
117.5°	616.7	615.6	615.1	614.3	612.8	611.3	609.8	608.3	609.8	611.3	612.8
120°	673.9	673.2	672.9	671.9	670.0	668.0	666.1	664.1	666.1	668.0	670.0
122.5°	729.1	728.2	727.8	727.0	725.5	724.0	722.4	720.9	722.4	724.0	725.5
125°	781.0	780.1	779.7	778.8	777.1	775.4	773.6	771.9	773.6	775.4	777.1
127.5°	832.2	831.1	830.6	829.7	828.0	826.3	824.5	822.8	824.5	826.3	828.0
130°	879.0	878.1	877.7	876.8	875.1	873.3	871.6	869.8	871.6	873.3	875.1
132.5°	923.7	923.0	922.7	921.8	920.1	918.4	916.6	914.9	916.6	918.4	920.1
135°	968.1	967.2	966.8	966.1	964.8	963.5	962.2	960.9	962.2	963.5	964.8
137.5°	1008.6	1008.1	1007.9	1007.0	1005.3	1003.6	1001.8	1000.1	1001.8	1003.6	1005.3
140°	1046.2	1045.5	1045.2	1044.5	1043.2	1041.9	1040.6	1039.3	1040.6	1041.9	1043.2
142.5°	1082.4	1081.7	1081.4	1080.7	1079.4	1078.1	1076.8	1075.5	1076.8	1078.1	1079.4
145°	1116.3	1115.9	1115.7	1114.9	1113.4	1111.9	1110.3	1108.8	1110.3	1111.9	1113.4
147.5°	1146.7	1146.2	1146.0	1145.5	1144.4	1143.3	1142.2	1141.1	1142.2	1143.3	1144.4
150°	1174.1	1173.7	1173.5	1173.2	1172.5	1171.8	1171.2	1170.5	1171.2	1171.8	1172.5
152.5°	1198.3	1198.1	1198.0	1197.9	1197.7	1197.4	1197.2	1197.0	1197.2	1197.4	1197.7
155°	1219.8	1219.6	1219.5	1219.7	1220.2	1220.6	1221.1	1221.5	1221.1	1220.6	1220.2
157.5°	1240.8	1241.0	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
160°	1257.4	1257.6	1257.7	1257.8	1258.0	1258.3	1258.5	1258.7	1258.5	1258.3	1258.0
162.5°	1272.1	1272.3	1272.4	1272.7	1273.4	1274.0	1274.7	1275.3	1274.7	1274.0	1273.4
165°	1284.8	1285.0	1285.1	1285.4	1286.1	1286.8	1287.4	1288.1	1287.4	1286.8	1286.1
167.5°	1294.9	1294.9	1294.9	1295.3	1296.2	1297.1	1297.9	1298.8	1297.9	1297.1	1296.2
170°	1303.7	1303.7	1303.7	1304.1	1305.0	1305.9	1306.8	1307.7	1306.8	1305.9	1305.0
172.5°	1308.9	1308.7	1308.6	1309.1	1310.2	1311.3	1312.4	1313.5	1312.4	1311.3	1310.2
175°	1313.8	1313.6	1313.5	1314.0	1315.1	1316.2	1317.3	1318.4	1317.3	1316.2	1315.1
177.5°	1315.8	1315.6	1315.5	1316.0	1317.1	1318.2	1319.3	1320.4	1319.3	1318.2	1317.1
180°	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4

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CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	845.6	841.9	840.5	836.8	828.0	822.1	815.5	811.1	811.9	808.2	810.4
5°	819.2	818.5	813.3	806.0	793.5	786.9	775.2	769.3	766.4	767.1	762.7
7.5°	797.2	790.6	786.9	775.2	763.5	749.5	740.0	734.9	730.5	726.1	723.1
10°	772.3	766.4	760.5	748.1	731.9	718.7	705.5	700.4	693.8	690.9	688.7
12.5°	745.9	742.2	734.9	720.2	701.9	689.4	674.0	671.1	662.3	656.4	654.9
15°	721.7	719.5	706.3	689.4	671.1	658.6	645.4	636.6	621.9	624.9	619.7
17.5°	696.0	686.5	678.4	655.7	646.9	627.8	612.4	608.0	597.7	591.1	584.5
20°	667.4	661.5	651.3	636.6	615.3	593.3	581.6	574.2	568.4	558.1	555.2
22.5°	640.3	632.9	624.1	605.1	586.7	568.4	552.2	545.6	538.3	531.0	526.6
25°	619.0	608.0	598.5	575.0	556.6	541.2	531.0	520.0	509.7	505.3	503.8
27.5°	586.0	579.4	569.8	547.8	531.0	514.1	504.6	497.2	486.2	481.1	476.7
30°	564.7	551.5	540.5	522.9	506.0	487.7	478.9	470.1	463.5	456.9	451.8
32.5°	536.1	525.8	517.0	499.4	482.6	465.7	456.2	443.0	439.3	434.2	428.3
35°	508.2	501.6	492.1	473.0	454.7	443.0	432.7	420.2	415.8	412.2	407.0
37.5°	481.8	472.3	465.7	447.4	431.2	417.3	409.2	399.0	396.0	391.6	388.0
40°	459.1	449.6	443.0	424.6	407.8	393.1	388.0	377.7	373.3	368.2	366.0
42.5°	433.4	425.4	416.6	403.4	385.8	371.1	360.8	355.0	349.1	346.9	342.5
45°	406.3	399.0	392.4	377.7	359.4	349.1	340.3	332.2	327.8	324.2	321.2
47.5°	382.8	376.2	367.4	351.3	336.6	327.1	318.3	310.2	305.8	301.4	297.8
50°	355.7	352.0	342.5	327.1	313.2	302.2	294.1	286.8	283.8	278.7	272.8
52.5°	331.5	324.9	316.8	304.4	291.9	278.7	267.7	263.3	258.2	255.2	250.1
55°	302.9	298.5	289.7	278.7	265.5	254.5	246.4	240.6	234.0	231.0	224.4
57.5°	278.7	270.6	266.2	252.3	239.8	228.8	223.0	217.1	209.8	205.4	202.4
60°	252.3	245.0	238.4	226.6	217.8	206.1	197.3	192.1	187.0	181.1	178.2
62.5°	226.6	220.8	212.7	203.2	192.1	182.6	176.0	168.7	165.7	159.9	157.7
65°	198.8	194.4	187.7	176.7	167.9	159.9	153.3	147.4	144.5	142.3	140.8
67.5°	173.8	167.9	163.5	154.0	144.5	137.9	134.2	130.5	126.9	124.7	122.5
70°	148.1	143.7	139.3	130.5	123.9	118.1	115.1	112.2	110.0	107.8	105.6
72.5°	121.7	119.5	115.1	109.3	104.1	99.7	97.5	93.9	91.7	88.0	86.5
75°	100.5	96.8	94.6	89.5	85.1	81.4	78.5	74.1	71.1	69.7	68.9
77.5°	79.2	77.7	74.8	70.4	68.2	64.5	60.1	58.7	57.2	57.2	56.5
80°	59.4	57.2	55.0	51.3	49.1	46.2	46.2	46.2	45.5	46.2	45.5
82.5°	40.3	38.9	37.4	35.2	34.5	34.5	35.2	35.2	35.2	35.2	35.2
85°	23.5	23.5	23.5	24.2	23.5	23.5	24.2	24.9	24.2	24.2	23.5
87.5°	11.0	11.0	11.7	11.7	12.5	12.5	12.5	12.5	12.5	12.5	13.2
90°	9.7	10.8	12.2	15.0	17.9	20.7	23.5	24.4	25.2	26.1	27.0
92.5°	17.3	16.7	17.7	19.6	21.6	23.5	25.5	27.0	28.5	30.0	31.5
95°	24.1	19.6	20.8	23.2	25.6	28.0	30.4	31.9	33.4	34.9	36.4
97.5°	84.3	81.3	75.7	64.6	53.5	42.4	31.3	33.1	34.8	36.6	38.3
100°	182.9	185.1	168.1	134.2	100.2	66.3	32.3	34.1	35.8	37.6	39.3
102.5°	241.5	242.9	224.0	186.1	148.2	110.4	72.5	65.3	58.1	51.0	43.8
105°	301.5	302.7	292.9	273.3	253.7	234.1	214.5	176.0	137.4	98.9	60.4
107.5°	365.3	366.3	367.9	371.2	374.5	377.7	381.0	347.5	314.0	280.5	247.0
110°	430.1	431.0	432.2	434.6	437.0	439.4	441.8	434.6	427.4	420.2	413.0

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CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	491.9	492.7	493.9	496.3	498.7	501.1	503.5	505.5	507.4	509.4	511.3
115°	552.8	553.4	554.4	556.3	558.3	560.2	562.2	564.4	566.6	568.7	570.9
117.5°	614.3	615.1	615.6	616.7	617.8	618.9	620.0	621.8	623.5	625.3	627.0
120°	671.9	672.9	673.2	673.9	674.6	675.2	675.9	677.6	679.4	681.1	682.8
122.5°	727.0	727.8	728.2	729.1	730.0	730.8	731.7	732.8	733.9	735.0	736.1
125°	778.8	779.7	780.1	781.0	781.9	782.7	783.6	784.0	784.5	784.9	785.4
127.5°	829.7	830.6	831.1	832.2	833.3	834.4	835.5	836.2	836.8	837.5	838.2
130°	876.8	877.7	878.1	879.0	879.9	880.7	881.6	882.5	883.3	884.2	885.1
132.5°	921.8	922.7	923.0	923.7	924.3	925.0	925.6	926.5	927.4	928.3	929.2
135°	966.1	966.8	967.2	968.1	969.0	969.8	970.7	971.3	972.0	972.6	973.3
137.5°	1007.0	1007.9	1008.1	1008.6	1009.0	1009.5	1009.9	1011.0	1012.1	1013.2	1014.3
140°	1044.5	1045.2	1045.5	1046.2	1046.8	1047.5	1048.1	1049.0	1049.8	1050.7	1051.6
142.5°	1080.7	1081.4	1081.7	1082.4	1083.0	1083.7	1084.3	1085.0	1085.6	1086.3	1087.0
145°	1114.9	1115.7	1115.9	1116.3	1116.8	1117.2	1117.6	1118.0	1118.5	1118.9	1119.4
147.5°	1145.5	1146.0	1146.2	1146.7	1147.1	1147.6	1148.0	1148.4	1148.9	1149.3	1149.8
150°	1173.2	1173.5	1173.7	1174.1	1174.6	1175.0	1175.4	1175.8	1176.3	1176.7	1177.2
152.5°	1197.9	1198.0	1198.1	1198.3	1198.5	1198.7	1198.9	1199.8	1200.7	1201.6	1202.5
155°	1219.7	1219.5	1219.6	1219.8	1220.1	1220.3	1220.5	1221.6	1222.7	1223.8	1224.9
157.5°	1241.1	1241.1	1241.0	1240.8	1240.5	1240.3	1240.1	1241.4	1242.7	1244.0	1245.3
160°	1257.8	1257.7	1257.6	1257.4	1257.1	1256.9	1256.7	1258.0	1259.3	1260.6	1261.9
162.5°	1272.7	1272.4	1272.3	1272.1	1271.8	1271.6	1271.4	1272.9	1274.5	1276.0	1277.5
165°	1285.4	1285.1	1285.0	1284.8	1284.6	1284.4	1284.2	1285.9	1287.7	1289.4	1291.1
167.5°	1295.3	1294.9	1294.9	1294.9	1294.9	1294.9	1294.9	1296.7	1298.4	1300.2	1301.9
170°	1304.1	1303.7	1303.7	1303.7	1303.7	1303.7	1303.7	1305.5	1307.2	1309.0	1310.7
172.5°	1309.1	1308.6	1308.7	1308.9	1309.2	1309.4	1309.6	1311.4	1313.1	1314.9	1316.6
175°	1314.0	1313.5	1313.6	1313.8	1314.1	1314.3	1314.5	1316.0	1317.6	1319.1	1320.6
177.5°	1316.0	1315.5	1315.6	1315.8	1316.1	1316.3	1316.5	1318.2	1320.0	1321.7	1323.4
180°	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4

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CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	809.7	810.4	808.2	803.8	803.1	804.5	808.9	807.5	803.8	810.4	804.5
5°	764.9	761.3	759.8	761.3	756.9	754.7	759.1	756.9	759.1	759.8	762.0
7.5°	721.7	722.4	718.0	718.7	712.9	714.3	714.3	714.3	716.5	718.0	720.9
10°	684.3	685.7	680.6	681.3	676.9	674.0	676.2	680.6	680.6	680.6	682.1
12.5°	654.2	647.6	643.9	643.2	638.1	636.6	641.0	642.5	646.1	646.1	648.3
15°	616.8	615.3	612.4	612.4	599.9	602.9	604.3	609.5	616.8	610.9	612.4
17.5°	583.1	579.4	575.7	574.2	572.8	568.4	574.2	573.5	577.9	578.7	580.9
20°	553.0	550.0	542.7	543.4	544.9	538.3	542.0	542.0	546.4	550.8	555.9
22.5°	523.6	520.7	517.0	518.5	514.1	512.6	512.6	516.3	521.4	525.1	524.4
25°	500.9	495.8	493.6	491.4	489.2	490.6	488.4	492.1	495.8	498.0	495.8
27.5°	475.2	473.0	468.6	466.4	462.8	464.2	465.7	468.6	470.8	470.8	473.0
30°	450.3	447.4	445.9	443.7	443.7	440.8	441.5	444.4	446.6	448.8	451.8
32.5°	426.1	423.9	421.7	421.7	420.2	419.5	418.8	423.2	423.2	427.6	427.6
35°	406.3	402.6	402.6	399.0	400.4	399.7	398.2	401.2	401.9	404.8	404.1
37.5°	384.3	384.3	382.8	379.2	376.2	377.0	380.6	380.6	382.8	382.1	384.3
40°	362.3	360.8	360.8	358.6	357.9	357.2	357.9	358.6	362.3	361.6	362.3
42.5°	340.3	341.0	337.4	337.4	337.4	335.2	335.9	336.6	338.1	339.6	341.8
45°	319.0	317.6	316.8	315.4	313.9	314.6	313.9	316.8	316.1	317.6	319.8
47.5°	296.3	294.1	293.4	290.4	290.4	291.9	291.2	293.4	294.1	296.3	294.8
50°	274.3	271.4	269.2	269.9	265.5	267.0	267.0	269.2	271.4	272.1	273.6
52.5°	248.6	247.9	247.2	243.5	242.8	242.0	242.8	243.5	246.4	248.6	249.4
55°	223.7	223.0	218.6	217.1	214.9	214.9	216.4	217.1	222.2	223.0	225.9
57.5°	201.0	198.8	193.6	192.9	192.9	192.9	190.7	193.6	195.1	198.8	198.8
60°	176.0	176.0	171.6	171.6	172.3	171.6	171.6	172.3	172.3	175.3	176.7
62.5°	156.2	155.5	155.5	154.0	153.3	154.0	153.3	153.3	154.0	156.2	158.4
65°	138.6	137.9	137.1	136.4	134.9	134.9	135.7	137.1	137.1	138.6	139.3
67.5°	121.7	121.7	120.3	120.3	119.5	118.8	119.5	118.8	121.7	121.7	122.5
70°	104.9	104.1	101.9	101.2	99.0	99.7	99.7	101.9	102.7	104.1	105.6
72.5°	84.3	84.3	82.9	81.4	82.1	80.7	80.7	81.4	81.4	83.6	84.3
75°	69.7	68.2	67.5	68.2	67.5	68.9	67.5	67.5	68.9	68.9	68.9
77.5°	57.2	57.2	56.5	56.5	57.2	56.5	57.2	57.2	57.2	56.5	57.2
80°	46.9	46.2	46.2	46.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5
82.5°	35.2	35.2	34.5	35.2	35.2	34.5	35.2	34.5	34.5	35.2	35.2
85°	23.5	24.9	23.5	23.5	24.2	24.2	24.9	24.2	24.9	23.5	24.2
87.5°	12.5	13.2	13.2	12.5	12.5	13.2	13.2	13.2	13.9	12.5	13.2
90°	27.4	27.6	28.1	28.5	29.0	29.4	29.0	28.5	28.1	27.6	27.4
92.5°	32.3	32.4	32.6	32.9	33.1	33.3	33.1	32.9	32.6	32.4	32.3
95°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
97.5°	39.2	39.3	39.5	39.8	40.0	40.2	40.0	39.8	39.5	39.3	39.2
100°	40.2	40.3	40.5	40.7	40.9	41.1	40.9	40.7	40.5	40.3	40.2
102.5°	40.2	40.4	40.8	41.3	41.7	42.1	41.7	41.3	40.8	40.4	40.2
105°	41.1	41.3	41.8	42.2	42.7	43.1	42.7	42.2	41.8	41.3	41.1
107.5°	230.2	215.9	187.4	158.9	130.4	101.9	130.4	158.9	187.4	215.9	230.2
110°	409.4	393.8	362.7	331.6	300.5	269.4	300.5	331.6	362.7	393.8	409.4

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	512.3	512.1	511.6	511.2	510.7	510.3	510.7	511.2	511.6	512.1	512.3
115°	572.0	572.4	573.3	574.2	575.1	576.0	575.1	574.2	573.3	572.4	572.0
117.5°	627.9	628.0	628.2	628.5	628.7	628.9	628.7	628.5	628.2	628.0	627.9
120°	683.7	683.7	683.7	683.7	683.7	683.7	683.7	683.7	683.7	683.7	683.7
122.5°	736.6	736.7	736.9	737.2	737.4	737.6	737.4	737.2	736.9	736.7	736.6
125°	785.6	785.8	786.2	786.7	787.1	787.5	787.1	786.7	786.2	785.8	785.6
127.5°	838.5	838.3	837.8	837.4	836.9	836.5	836.9	837.4	837.8	838.3	838.5
130°	885.5	885.3	884.8	884.4	883.9	883.5	883.9	884.4	884.8	885.3	885.5
132.5°	929.6	929.3	928.6	927.9	927.3	926.6	927.3	927.9	928.6	929.3	929.6
135°	973.6	973.3	972.6	972.0	971.3	970.7	971.3	972.0	972.6	973.3	973.6
137.5°	1014.8	1014.6	1014.1	1013.7	1013.2	1012.8	1013.2	1013.7	1014.1	1014.6	1014.8
140°	1052.0	1051.8	1051.3	1050.9	1050.4	1050.0	1050.4	1050.9	1051.3	1051.8	1052.0
142.5°	1087.3	1087.0	1086.3	1085.6	1085.0	1084.3	1085.0	1085.6	1086.3	1087.0	1087.3
145°	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6	1119.6
147.5°	1150.0	1149.5	1148.4	1147.3	1146.2	1145.1	1146.2	1147.3	1148.4	1149.5	1150.0
150°	1177.4	1177.1	1176.4	1175.7	1175.1	1174.4	1175.1	1175.7	1176.4	1177.1	1177.4
152.5°	1202.9	1202.4	1201.3	1200.2	1199.1	1198.0	1199.1	1200.2	1201.3	1202.4	1202.9
155°	1225.4	1224.7	1223.4	1222.1	1220.8	1219.5	1220.8	1222.1	1223.4	1224.7	1225.4
157.5°	1246.0	1245.1	1243.4	1241.6	1239.9	1238.1	1239.9	1241.6	1243.4	1245.1	1246.0
160°	1262.6	1261.8	1260.3	1258.8	1257.2	1255.7	1257.2	1258.8	1260.3	1261.8	1262.6
162.5°	1278.3	1277.6	1276.3	1275.0	1273.7	1272.4	1273.7	1275.0	1276.3	1277.6	1278.3
165°	1292.0	1291.2	1289.7	1288.2	1286.6	1285.1	1286.6	1288.2	1289.7	1291.2	1292.0
167.5°	1302.8	1301.9	1300.2	1298.4	1296.7	1294.9	1296.7	1298.4	1300.2	1301.9	1302.8
170°	1311.6	1310.7	1309.0	1307.2	1305.5	1303.7	1305.5	1307.2	1309.0	1310.7	1311.6
172.5°	1317.5	1316.5	1314.5	1312.6	1310.6	1308.6	1310.6	1312.6	1314.5	1316.5	1317.5
175°	1321.4	1320.5	1318.8	1317.0	1315.3	1313.5	1315.3	1317.0	1318.8	1320.5	1321.4
177.5°	1324.3	1323.2	1321.0	1318.9	1316.7	1314.5	1316.7	1318.9	1321.0	1323.2	1324.3
180°	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4FO-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	810.4	813.3	810.4	804.5	810.4	814.1	817.7	823.6	826.5	826.5	830.9
5°	764.2	770.1	767.9	766.4	772.3	775.9	781.8	789.1	797.2	802.3	808.2
7.5°	723.1	726.8	730.5	730.5	736.3	744.4	753.2	762.0	772.3	779.6	784.0
10°	687.2	690.1	692.3	695.3	704.1	712.9	724.6	735.6	744.4	752.5	759.8
12.5°	652.7	657.1	662.3	664.5	671.1	682.1	693.1	706.3	720.2	728.3	735.6
15°	619.7	621.9	627.8	634.4	640.3	652.0	665.9	679.9	691.6	704.1	710.7
17.5°	586.0	586.7	602.1	598.5	617.5	628.5	635.9	649.1	668.1	678.4	688.7
20°	553.0	560.3	566.9	570.6	580.9	593.3	614.6	624.9	640.3	649.8	658.6
22.5°	527.3	538.3	538.3	547.1	552.2	564.0	579.4	599.2	616.1	622.7	635.1
25°	504.6	509.7	518.5	521.4	531.0	541.2	551.5	572.8	591.1	599.9	608.7
27.5°	475.2	481.8	493.6	493.6	506.0	517.0	529.5	543.4	561.8	574.2	583.8
30°	452.5	459.1	464.2	472.3	477.4	487.7	509.7	520.0	536.1	547.1	558.8
32.5°	431.2	436.4	440.8	449.6	455.4	467.2	478.9	497.2	511.2	521.4	533.9
35°	407.8	412.9	418.8	425.4	434.2	445.2	456.2	471.6	485.5	495.0	505.3
37.5°	385.8	389.4	398.2	402.6	410.0	420.2	434.2	450.3	462.8	470.1	480.4
40°	364.5	367.4	374.0	382.1	387.2	395.3	410.0	423.9	439.3	448.1	456.2
42.5°	341.8	345.4	351.3	359.4	367.4	376.2	384.3	400.4	414.4	421.7	430.5
45°	322.0	324.2	328.6	336.6	344.7	351.3	363.8	378.4	391.6	397.5	407.0
47.5°	298.5	300.7	307.3	311.0	319.8	328.6	341.0	355.7	367.4	373.3	382.1
50°	274.3	276.5	280.9	289.0	294.8	304.4	315.4	327.8	342.5	350.6	355.7
52.5°	250.8	255.2	258.9	265.5	272.8	282.4	292.6	304.4	316.8	324.9	330.8
55°	227.4	231.0	235.4	239.1	247.9	256.7	268.4	279.4	290.4	297.8	304.4
57.5°	201.0	206.1	210.5	217.8	224.4	231.8	245.0	253.8	267.0	272.1	278.0
60°	178.2	183.3	187.0	192.9	198.8	208.3	217.1	228.1	239.1	245.7	253.0
62.5°	159.1	161.3	163.5	169.4	175.3	184.1	192.9	203.9	215.6	219.3	225.2
65°	140.1	142.3	145.9	151.1	155.5	160.6	170.1	178.9	189.9	195.8	198.0
67.5°	123.9	126.1	126.9	130.5	134.2	140.1	145.2	154.0	164.3	167.9	172.3
70°	105.6	109.3	110.0	112.9	114.4	118.1	123.9	130.5	138.6	145.2	148.9
72.5°	84.3	89.5	90.9	95.3	97.5	101.2	105.6	110.7	115.9	118.8	121.7
75°	68.9	70.4	71.1	74.8	78.5	83.6	85.8	88.7	93.1	96.8	99.7
77.5°	57.2	57.9	58.7	58.7	59.4	62.3	66.7	70.4	73.3	74.8	77.0
80°	46.2	45.5	45.5	46.2	46.2	46.2	47.7	52.8	54.3	57.9	57.2
82.5°	35.9	34.5	35.2	34.5	34.5	34.5	34.5	35.2	35.2	37.4	38.9
85°	23.5	24.2	23.5	23.5	22.7	23.5	22.7	22.7	22.0	22.0	21.3
87.5°	12.5	13.2	12.5	12.5	11.7	12.5	11.7	11.7	11.0	11.0	9.5
90°	27.0	26.1	25.2	24.4	23.5	20.7	17.9	15.0	12.2	10.8	9.7
92.5°	31.5	30.0	28.5	27.0	25.5	23.5	21.6	19.6	17.7	16.7	17.3
95°	36.4	34.9	33.4	31.9	30.4	28.0	25.6	23.2	20.8	19.6	24.1
97.5°	38.3	36.6	34.8	33.1	31.3	42.4	53.5	64.6	75.7	81.3	84.3
100°	39.3	37.6	35.8	34.1	32.3	66.3	100.2	134.2	168.1	185.1	182.9
102.5°	43.8	51.0	58.1	65.3	72.5	110.4	148.2	186.1	224.0	242.9	241.5
105°	60.4	98.9	137.4	176.0	214.5	234.1	253.7	273.3	292.9	302.7	301.5
107.5°	247.0	280.5	314.0	347.5	381.0	377.7	374.5	371.2	367.9	366.3	365.3
110°	413.0	420.2	427.4	434.6	441.8	439.4	437.0	434.6	432.2	431.0	430.1

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	511.3	509.4	507.4	505.5	503.5	501.1	498.7	496.3	493.9	492.7	491.9
115°	570.9	568.7	566.6	564.4	562.2	560.2	558.3	556.3	554.4	553.4	552.8
117.5°	627.0	625.3	623.5	621.8	620.0	618.9	617.8	616.7	615.6	615.1	614.3
120°	682.8	681.1	679.4	677.6	675.9	675.2	674.6	673.9	673.2	672.9	671.9
122.5°	736.1	735.0	733.9	732.8	731.7	730.8	730.0	729.1	728.2	727.8	727.0
125°	785.4	784.9	784.5	784.0	783.6	782.7	781.9	781.0	780.1	779.7	778.8
127.5°	838.2	837.5	836.8	836.2	835.5	834.4	833.3	832.2	831.1	830.6	829.7
130°	885.1	884.2	883.3	882.5	881.6	880.7	879.9	879.0	878.1	877.7	876.8
132.5°	929.2	928.3	927.4	926.5	925.6	925.0	924.3	923.7	923.0	922.7	921.8
135°	973.3	972.6	972.0	971.3	970.7	969.8	969.0	968.1	967.2	966.8	966.1
137.5°	1014.3	1013.2	1012.1	1011.0	1009.9	1009.5	1009.0	1008.6	1008.1	1007.9	1007.0
140°	1051.6	1050.7	1049.8	1049.0	1048.1	1047.5	1046.8	1046.2	1045.5	1045.2	1044.5
142.5°	1087.0	1086.3	1085.6	1085.0	1084.3	1083.7	1083.0	1082.4	1081.7	1081.4	1080.7
145°	1119.4	1118.9	1118.5	1118.0	1117.6	1117.2	1116.8	1116.3	1115.9	1115.7	1114.9
147.5°	1149.8	1149.3	1148.9	1148.4	1148.0	1147.6	1147.1	1146.7	1146.2	1146.0	1145.5
150°	1177.2	1176.7	1176.3	1175.8	1175.4	1175.0	1174.6	1174.1	1173.7	1173.5	1173.2
152.5°	1202.5	1201.6	1200.7	1199.8	1198.9	1198.7	1198.5	1198.3	1198.1	1198.0	1197.9
155°	1224.9	1223.8	1222.7	1221.6	1220.5	1220.3	1220.1	1219.8	1219.6	1219.5	1219.7
157.5°	1245.3	1244.0	1242.7	1241.4	1240.1	1240.3	1240.5	1240.8	1241.0	1241.1	1241.1
160°	1261.9	1260.6	1259.3	1258.0	1256.7	1256.9	1257.1	1257.4	1257.6	1257.7	1257.8
162.5°	1277.5	1276.0	1274.5	1272.9	1271.4	1271.6	1271.8	1272.1	1272.3	1272.4	1272.7
165°	1291.1	1289.4	1287.7	1285.9	1284.2	1284.4	1284.6	1284.8	1285.0	1285.1	1285.4
167.5°	1301.9	1300.2	1298.4	1296.7	1294.9	1294.9	1294.9	1294.9	1294.9	1294.9	1295.3
170°	1310.7	1309.0	1307.2	1305.5	1303.7	1303.7	1303.7	1303.7	1303.7	1303.7	1304.1
172.5°	1316.6	1314.9	1313.1	1311.4	1309.6	1309.4	1309.2	1308.9	1308.7	1308.6	1309.1
175°	1320.6	1319.1	1317.6	1316.0	1314.5	1314.3	1314.1	1313.8	1313.6	1313.5	1314.0
177.5°	1323.4	1321.7	1320.0	1318.2	1316.5	1316.3	1316.1	1315.8	1315.6	1315.5	1316.0
180°	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4	1318.4

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	856.6	856.6	856.6	856.6
2.5°	834.6	839.7	850.0	858.8
5°	817.0	825.1	840.5	855.9
7.5°	795.7	808.2	828.0	849.3
10°	775.2	791.3	815.5	840.5
12.5°	754.7	771.5	797.2	829.5
15°	730.5	748.1	778.9	817.7
17.5°	709.2	732.7	760.5	799.4
20°	686.5	704.1	740.0	781.1
22.5°	657.9	687.2	720.9	764.2
25°	635.1	660.8	694.5	743.7
27.5°	607.3	637.3	678.4	721.7
30°	584.5	609.5	647.6	699.7
32.5°	558.1	587.5	627.1	678.4
35°	534.6	559.6	597.0	649.1
37.5°	506.8	533.9	575.7	621.9
40°	482.6	509.0	548.6	591.9
42.5°	453.2	481.1	520.7	557.4
45°	429.8	455.4	487.0	520.7
47.5°	401.2	428.3	459.1	482.6
50°	375.5	400.4	424.6	444.4
52.5°	347.6	370.4	392.4	407.0
55°	322.0	339.6	357.2	367.4
57.5°	291.9	308.8	323.4	329.3
60°	265.5	279.4	289.0	295.6
62.5°	237.6	247.9	255.2	258.9
65°	210.5	217.8	221.5	225.2
67.5°	182.6	189.2	191.4	195.8
70°	153.3	160.6	162.1	164.3
72.5°	131.3	131.3	134.2	137.1
75°	104.9	106.3	107.8	107.8
77.5°	82.1	82.1	83.6	84.3
80°	60.1	60.9	60.9	60.1
82.5°	41.1	42.5	41.1	40.3
85°	22.7	25.7	24.2	24.2
87.5°	9.5	9.5	11.0	9.5
90°	7.5	5.4	3.2	1.0
92.5°	18.6	19.9	21.2	22.5
95°	33.0	41.9	50.9	59.8
97.5°	90.4	96.5	102.6	108.7
100°	178.6	174.2	169.9	165.5
102.5°	238.7	235.8	233.0	230.2
105°	299.1	296.7	294.3	291.9
107.5°	363.4	361.4	359.5	357.5
110°	428.4	426.7	424.9	423.2

TEST NUMBER: P1031168

CATALOG NUMBER: S123RDIW-B560D1030UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	490.4	488.9	487.3	485.8
115°	551.5	550.2	548.9	547.6
117.5°	612.8	611.3	609.8	608.3
120°	670.0	668.0	666.1	664.1
122.5°	725.5	724.0	722.4	720.9
125°	777.1	775.4	773.6	771.9
127.5°	828.0	826.3	824.5	822.8
130°	875.1	873.3	871.6	869.8
132.5°	920.1	918.4	916.6	914.9
135°	964.8	963.5	962.2	960.9
137.5°	1005.3	1003.6	1001.8	1000.1
140°	1043.2	1041.9	1040.6	1039.3
142.5°	1079.4	1078.1	1076.8	1075.5
145°	1113.4	1111.9	1110.3	1108.8
147.5°	1144.4	1143.3	1142.2	1141.1
150°	1172.5	1171.8	1171.2	1170.5
152.5°	1197.7	1197.4	1197.2	1197.0
155°	1220.2	1220.6	1221.1	1221.5
157.5°	1241.1	1241.1	1241.1	1241.1
160°	1258.0	1258.3	1258.5	1258.7
162.5°	1273.4	1274.0	1274.7	1275.3
165°	1286.1	1286.8	1287.4	1288.1
167.5°	1296.2	1297.1	1297.9	1298.8
170°	1305.0	1305.9	1306.8	1307.7
172.5°	1310.2	1311.3	1312.4	1313.5
175°	1315.1	1316.2	1317.3	1318.4
177.5°	1317.1	1318.2	1319.3	1320.4
180°	1318.4	1318.4	1318.4	1318.4

(END OF REPORT)