

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: P1029309

Luminaire Tested: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029309
REPORT IS A COMBINATION OF REPORTS P985490 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

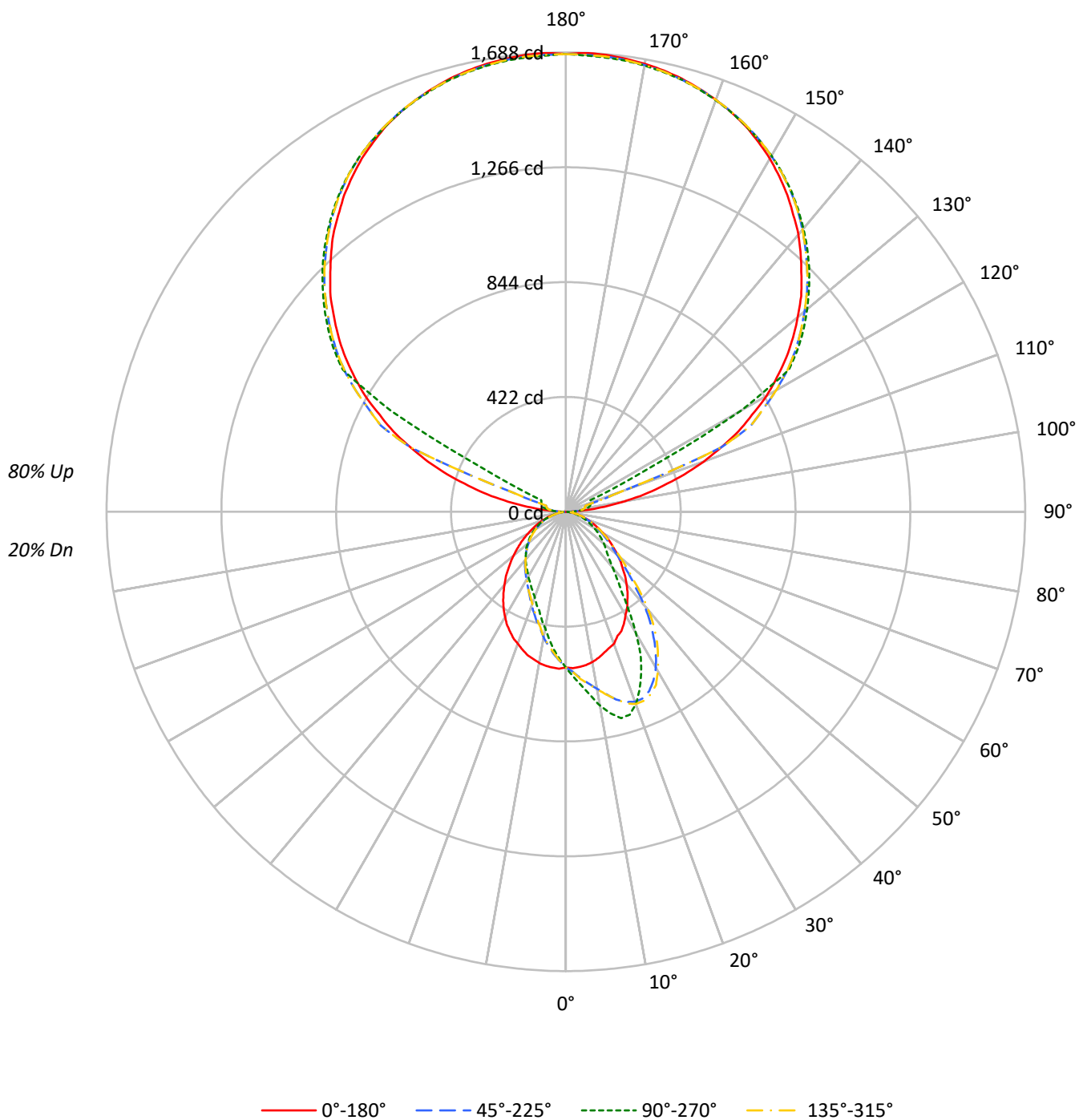
Lumens per Lamp: N/A
Luminaire Lumens: 6195.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 55.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	100	100	100	100	89	89	89	89	67	67	67	47	47	47	29	29	29	29	29	29
1	91	87	84	80	81	77	74	72	59	57	55	42	40	39	26	25	25	25	25	18
2	83	76	71	66	73	68	63	59	52	48	46	37	35	33	23	22	21	21	21	15
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	20	19	18	18	18	13
4	70	59	52	46	61	53	47	42	41	36	33	29	26	24	18	17	16	16	16	11
5	64	53	45	40	56	47	41	36	36	32	28	26	23	21	17	15	14	14	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	18	15	14	12	12	12	9
7	54	43	35	30	48	38	32	27	29	25	22	21	18	16	14	12	11	11	11	8
8	50	39	31	26	44	34	28	24	27	22	19	20	17	14	13	11	10	10	10	7
9	47	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	6
10	43	32	25	21	38	29	23	19	22	18	15	16	14	12	11	9	8	8	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9054	9054	9054	9054
5°	9075	9654	9110	7680
10°	8971	10539	9027	6332
15°	8753	11116	8875	5334
20°	8617	10438	8617	4636
25°	8342	8967	8380	4146
30°	7890	7049	8041	3755
35°	7490	4874	7616	3435
40°	7029	3680	7110	3181
45°	6462	3025	6567	2906
50°	5971	2654	5983	2661
55°	5412	2262	5446	2394
60°	4816	1890	4882	2089
65°	4284	1537	4362	1784
70°	3750	1205	3846	1438
75°	3149	875	3273	1043
80°	2459	555	2635	620
85°	1610	280	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9360 cd/sqm

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	0.9
10°-20°	158.6	2.6
20°-30°	230.1	3.7
30°-40°	242.6	3.9
40°-50°	214.7	3.5
50°-60°	171.4	2.8
60°-70°	116.4	1.9
70°-80°	59.6	1.0
80°-90°	17.0	0.3
90°-100°	55.5	0.9
100°-110°	206.7	3.3
110°-120°	548.2	8.8
120°-130°	909.3	14.7
130°-140°	965.9	15.6
140°-150°	897.7	14.5
150°-160°	721.7	11.6
160°-170°	465.0	7.5
170°-180°	160.1	2.6
0°-30°	443.2	7.2
0°-40°	685.8	11.1
0°-60°	1071.9	17.3
0°-90°	1265.0	20.4
90°-120°	810.4	13.1
90°-150°	3583.2	57.8
90°-180°	4930.0	79.6
0°-180°	6195.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	572	572	572	572	572	
5°	572	639	575	508	572	54
15°	538	785	545	377	538	152
25°	483	654	485	302	483	221
35°	394	356	401	251	394	247
45°	296	215	301	206	296	230
55°	203	151	204	160	203	181
65°	120	93	123	108	120	120
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	1	33	1	33	1	5
95°	79	52	79	52	79	94
105°	370	92	370	92	370	395
115°	700	100	700	100	700	689
125°	989	1040	989	1040	989	882
135°	1224	1264	1224	1264	1224	946
145°	1420	1442	1420	1442	1420	888
155°	1564	1565	1564	1565	1564	721
165°	1648	1644	1648	1644	1648	465
175°	1685	1676	1685	1676	1685	160
180°	1682	1682	1682	1682	1682	

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	575.1	576.4	578.6	579.0	583.4	586.9	590.9	590.9	592.2	591.8	588.3
5°	572.4	576.4	582.1	586.9	594.9	598.4	603.7	607.6	611.1	613.8	613.3
7.5°	568.0	575.1	583.4	592.7	603.2	609.4	616.8	623.9	628.7	633.1	636.2
10°	560.6	572.4	583.9	596.2	609.8	618.2	627.0	636.2	643.7	652.0	659.9
12.5°	550.5	567.6	581.7	597.9	614.6	623.9	637.9	645.0	659.5	680.6	686.3
15°	537.7	561.0	574.2	594.9	616.8	624.3	643.7	655.1	685.0	698.2	714.0
17.5°	525.8	551.8	569.4	593.1	614.6	629.2	648.1	671.4	696.4	715.3	732.9
20°	516.2	541.2	562.3	588.7	616.0	634.4	654.2	682.4	709.6	729.0	742.6
22.5°	494.2	526.3	550.9	580.4	613.3	638.8	657.7	688.5	718.0	729.8	741.7
25°	483.2	510.9	539.5	572.9	611.6	641.9	658.2	692.5	718.4	722.8	725.4
27.5°	463.0	494.2	527.6	565.8	611.1	636.6	657.3	688.5	709.2	706.1	698.2
30°	437.9	476.2	513.1	554.4	605.0	632.7	652.0	680.6	691.1	675.3	661.2
32.5°	419.4	455.5	496.4	544.3	597.9	624.3	643.2	665.6	667.8	639.3	615.5
35°	394.4	434.4	480.5	531.1	586.1	609.8	627.4	641.0	630.5	590.5	562.3
37.5°	372.0	411.5	460.8	512.2	569.8	593.1	607.2	609.4	583.4	548.3	506.9
40°	347.3	388.2	439.7	493.7	551.8	572.0	580.8	574.2	536.8	495.9	448.0
42.5°	322.7	363.2	418.6	474.0	528.9	546.1	549.6	531.5	485.8	437.9	382.5
45°	295.9	338.1	393.5	449.3	502.5	512.2	512.6	486.7	432.6	382.5	331.1
47.5°	273.9	313.0	368.0	423.8	468.7	475.3	472.6	442.7	383.8	327.5	282.7
50°	249.7	287.1	341.6	396.6	434.8	436.6	430.0	387.3	329.7	278.3	242.7
52.5°	223.8	261.6	311.7	364.5	398.8	396.1	383.4	337.7	283.6	240.9	213.7
55°	203.1	236.5	283.6	335.0	359.2	351.7	337.7	291.1	248.4	212.4	188.6
57.5°	180.3	209.7	255.9	300.7	314.8	307.8	293.7	250.2	210.6	183.3	167.5
60°	158.7	185.5	226.0	263.4	274.3	266.9	250.6	211.5	182.9	160.0	148.2
62.5°	138.9	162.2	196.1	230.4	234.8	227.3	213.2	181.6	157.0	138.9	130.1
65°	120.5	142.4	169.7	195.6	199.6	191.7	177.2	154.3	133.7	122.2	113.9
67.5°	102.4	120.0	144.2	163.1	165.3	157.8	146.0	127.5	114.8	102.4	96.3
70°	86.6	99.8	118.7	134.1	135.0	127.9	121.8	105.1	95.4	86.6	81.8
72.5°	71.2	80.5	95.0	106.4	106.8	102.4	96.7	86.2	77.8	71.7	66.8
75°	56.3	64.2	73.0	83.1	82.7	79.1	74.7	68.1	61.1	57.2	55.0
77.5°	43.1	47.9	55.0	61.6	61.6	59.8	57.2	52.3	47.9	44.0	41.8
80°	30.8	33.9	39.6	41.8	42.6	42.2	40.0	36.5	34.7	31.7	30.8
82.5°	19.8	22.0	24.6	26.8	28.1	27.3	26.8	25.1	22.4	21.5	20.7
85°	11.4	12.3	13.6	14.9	15.4	14.9	15.8	14.5	13.2	13.2	12.8
87.5°	4.8	5.3	6.2	6.2	6.6	6.6	6.2	6.6	6.6	6.2	5.7
90°	1.2	4.2	7.2	10.1	13.1	14.6	15.7	17.8	20.0	22.1	24.3
92.5°	30.4	29.3	28.3	27.2	26.1	25.6	26.0	26.8	27.6	28.4	29.2
95°	79.1	70.2	61.2	52.3	43.4	38.9	39.9	41.8	43.7	45.6	47.5
97.5°	142.4	120.2	98.0	75.9	53.7	42.6	44.8	49.1	53.4	57.8	62.1
100°	215.4	178.4	141.3	104.3	67.2	48.7	51.0	55.6	60.2	64.8	69.4
102.5°	295.7	295.2	294.6	294.1	293.6	293.3	268.7	219.5	170.2	121.0	71.8
105°	369.9	378.0	386.1	394.2	402.3	406.4	369.5	295.7	221.8	148.0	74.2
107.5°	456.3	463.1	469.8	476.6	483.3	486.7	441.1	350.0	258.9	167.8	76.7
110°	539.1	544.8	550.4	556.1	561.8	564.6	525.5	447.4	369.2	291.1	212.9

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	616.9	621.8	626.6	631.5	636.4	638.8	636.5	631.9	627.4	622.8	618.2
115°	699.7	704.3	708.9	713.5	718.1	720.4	723.8	730.5	737.3	744.0	750.8
117.5°	771.5	776.9	782.3	787.7	793.1	795.8	798.1	802.7	807.3	811.9	816.5
120°	851.8	855.8	859.9	863.9	868.0	870.0	872.4	877.3	882.2	887.0	891.9
122.5°	919.9	924.2	928.6	932.9	937.2	939.4	942.1	947.5	952.9	958.3	963.7
125°	989.3	992.8	996.3	999.8	1003.3	1005.1	1007.7	1012.8	1017.9	1023.1	1028.2
127.5°	1052.6	1056.4	1060.2	1063.9	1067.7	1069.6	1071.6	1075.7	1079.7	1083.8	1087.8
130°	1112.2	1116.5	1120.9	1125.2	1129.5	1131.7	1133.2	1136.1	1139.1	1142.0	1145.0
132.5°	1173.0	1176.5	1180.0	1183.5	1187.0	1188.8	1190.3	1193.3	1196.2	1199.2	1202.2
135°	1224.1	1228.4	1232.8	1237.1	1241.4	1243.6	1244.8	1247.3	1249.7	1252.2	1254.6
137.5°	1277.7	1280.9	1284.2	1287.4	1290.7	1292.3	1293.6	1296.3	1299.0	1301.7	1304.4
140°	1330.0	1332.2	1334.3	1336.5	1338.6	1339.7	1341.2	1344.2	1347.1	1350.1	1353.1
142.5°	1373.8	1375.7	1377.6	1379.5	1381.4	1382.3	1384.1	1387.6	1391.1	1394.6	1398.1
145°	1420.0	1419.7	1419.5	1419.2	1418.9	1418.8	1421.1	1425.7	1430.3	1434.9	1439.5
147.5°	1460.2	1459.4	1458.6	1457.7	1456.9	1456.5	1458.8	1463.4	1468.0	1472.6	1477.2
150°	1499.1	1497.2	1495.3	1493.4	1491.5	1490.6	1492.8	1497.1	1501.4	1505.8	1510.1
152.5°	1532.0	1529.8	1527.7	1525.5	1523.4	1522.3	1524.3	1528.4	1532.4	1536.5	1540.5
155°	1563.6	1561.2	1558.8	1556.3	1553.9	1552.7	1554.3	1557.6	1560.8	1564.1	1567.3
157.5°	1589.2	1587.0	1584.8	1582.7	1580.5	1579.4	1580.6	1583.1	1585.5	1588.0	1590.4
160°	1611.1	1609.5	1607.9	1606.2	1604.6	1603.8	1604.6	1606.2	1607.9	1609.5	1611.1
162.5°	1630.6	1629.0	1627.4	1625.7	1624.1	1623.3	1624.0	1625.3	1626.6	1628.0	1629.3
165°	1647.6	1646.0	1644.4	1642.7	1641.1	1640.3	1640.7	1641.5	1642.3	1643.1	1643.9
167.5°	1661.0	1659.4	1657.8	1656.1	1654.5	1653.7	1654.1	1654.9	1655.7	1656.5	1657.3
170°	1671.9	1670.3	1668.7	1667.0	1665.4	1664.6	1664.9	1665.4	1666.0	1666.5	1667.1
172.5°	1679.2	1677.6	1676.0	1674.3	1672.7	1671.9	1672.2	1672.7	1673.3	1673.8	1674.4
175°	1685.3	1683.4	1681.5	1679.6	1677.7	1676.8	1677.1	1677.6	1678.1	1678.7	1679.2
177.5°	1687.7	1685.8	1683.9	1682.0	1680.1	1679.2	1679.3	1679.6	1679.9	1680.1	1680.4
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	594.4	594.9	595.7	600.1	602.3	602.8	601.0	605.0	606.3	605.0	604.1
5°	622.6	625.2	630.5	636.2	635.7	636.2	638.8	641.5	642.3	638.8	640.1
7.5°	647.2	652.5	658.2	667.0	667.0	671.4	673.1	675.3	680.6	678.0	677.1
10°	675.3	682.4	692.9	707.0	707.4	711.8	716.2	723.2	725.4	723.7	724.6
12.5°	710.5	724.1	725.0	740.4	747.4	748.3	755.3	754.0	758.4	758.4	765.9
15°	725.9	747.0	758.9	773.8	778.2	772.9	778.6	784.8	785.2	785.2	784.8
17.5°	753.6	761.9	773.8	781.7	783.5	783.5	783.9	786.6	784.8	781.3	783.9
20°	759.3	762.8	767.2	766.3	767.2	762.8	758.4	754.0	754.5	752.3	758.9
22.5°	748.7	747.9	737.7	731.2	731.2	722.4	714.0	710.1	706.1	707.4	709.6
25°	722.4	708.7	696.4	686.7	684.6	670.5	659.0	655.5	648.9	654.2	655.1
27.5°	680.2	664.8	645.0	636.6	625.2	619.5	611.6	601.0	587.4	595.3	594.0
30°	634.9	612.0	595.7	575.5	557.5	556.2	541.2	523.6	516.6	516.6	520.6
32.5°	584.3	554.0	530.2	501.7	484.1	476.6	458.6	441.0	444.9	431.7	436.6
35°	525.4	485.4	455.5	427.8	414.6	405.8	382.5	372.8	362.3	356.1	367.6
37.5°	469.1	423.0	384.7	354.4	349.5	333.7	317.9	311.7	305.6	308.2	307.8
40°	400.5	359.6	325.3	301.6	293.3	285.8	275.2	267.8	263.8	266.0	266.4
42.5°	338.5	304.2	278.7	262.0	255.0	249.7	244.5	238.3	237.0	237.0	238.7
45°	290.6	262.5	245.3	231.7	227.7	223.8	219.8	217.2	216.3	214.6	215.9
47.5°	252.4	229.9	219.4	209.3	204.9	204.0	200.5	199.2	197.4	197.0	197.4
50°	220.3	206.2	196.5	190.8	187.7	186.4	184.7	182.0	181.1	183.3	182.5
52.5°	197.8	184.7	179.4	173.7	171.9	170.1	167.5	167.9	167.5	166.6	166.6
55°	175.4	167.1	161.8	157.4	157.0	155.2	153.0	152.1	151.7	150.8	152.1
57.5°	157.4	150.8	146.0	142.0	140.3	140.3	138.1	136.3	136.3	135.9	136.3
60°	139.4	132.8	129.7	125.7	124.4	124.0	122.7	121.8	120.5	120.5	120.5
62.5°	122.7	117.4	113.9	110.4	110.8	108.6	106.8	106.0	106.0	106.4	106.4
65°	106.8	103.3	98.9	95.8	95.0	94.5	93.6	93.2	91.9	92.8	92.8
67.5°	92.3	87.5	84.9	83.5	82.2	81.8	80.9	80.0	79.6	79.1	80.0
70°	77.8	73.9	71.7	70.8	69.5	69.0	68.6	67.3	67.7	68.1	68.6
72.5°	64.6	61.1	60.7	58.0	58.0	58.0	56.3	57.2	56.7	55.8	56.7
75°	51.0	49.2	48.4	47.0	47.5	47.0	46.6	45.3	45.3	45.7	46.2
77.5°	40.4	38.7	38.3	36.9	36.1	36.9	36.1	35.6	35.6	36.1	36.1
80°	29.9	29.0	27.7	27.7	27.7	27.3	27.3	27.3	26.8	26.4	26.8
82.5°	19.8	19.8	19.3	18.9	19.3	18.5	18.9	18.9	18.9	18.9	18.9
85°	12.8	12.3	12.3	11.9	11.9	11.9	12.3	11.4	11.4	11.9	11.9
87.5°	5.7	5.7	5.7	6.2	5.7	5.7	5.7	6.2	5.7	5.7	5.7
90°	25.7	27.0	28.4	29.7	30.4	30.7	31.2	31.8	32.3	32.9	32.3
92.5°	29.7	30.3	30.8	31.3	31.6	31.7	32.0	32.3	32.6	32.9	32.6
95°	48.8	50.2	51.5	52.8	53.5	53.4	53.1	52.8	52.6	52.3	52.6
97.5°	62.9	63.7	64.5	65.3	65.7	65.8	66.1	66.4	66.6	66.9	66.6
100°	71.6	73.7	75.9	78.0	79.1	79.4	79.9	80.4	81.0	81.5	81.0
102.5°	74.8	77.8	80.7	83.7	85.2	85.6	86.4	87.2	88.0	88.8	88.0
105°	77.2	80.2	83.1	86.1	87.6	88.1	89.2	90.3	91.4	92.5	91.4
107.5°	79.7	82.6	85.6	88.5	90.0	90.5	91.6	92.7	93.8	94.9	93.8
110°	185.9	158.9	131.8	104.8	91.3	91.8	92.9	94.0	95.0	96.1	95.0

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	501.6	385.1	268.5	152.0	93.7	94.1	94.9	95.7	96.5	97.3	96.5
115°	625.6	500.4	375.2	250.0	187.4	177.7	158.2	138.7	119.3	99.8	119.3
117.5°	777.8	739.2	700.5	661.8	642.5	607.1	536.2	465.4	394.5	323.7	394.5
120°	895.1	898.4	901.6	904.9	906.5	888.3	851.8	815.3	778.8	742.3	778.8
122.5°	965.3	966.9	968.6	970.2	971.0	971.1	971.4	971.7	971.9	972.2	971.9
125°	1030.1	1032.0	1033.9	1035.8	1036.7	1037.1	1037.9	1038.8	1039.6	1040.4	1039.6
127.5°	1090.5	1093.2	1095.9	1098.6	1100.0	1100.1	1100.4	1100.7	1100.9	1101.2	1100.9
130°	1148.0	1151.0	1153.9	1156.9	1158.4	1158.3	1158.0	1157.7	1157.5	1157.2	1157.5
132.5°	1204.6	1207.1	1209.5	1212.0	1213.2	1213.1	1212.8	1212.5	1212.3	1212.0	1212.3
135°	1257.3	1260.0	1262.7	1265.4	1266.7	1266.4	1265.9	1265.4	1264.8	1264.3	1264.8
137.5°	1307.1	1309.8	1312.5	1315.2	1316.6	1316.2	1315.4	1314.6	1313.8	1313.0	1313.8
140°	1355.5	1358.0	1360.4	1362.9	1364.1	1363.4	1362.1	1360.7	1359.4	1358.0	1359.4
142.5°	1400.3	1402.5	1404.6	1406.8	1407.9	1407.2	1405.9	1404.5	1403.2	1401.8	1403.2
145°	1441.4	1443.3	1445.2	1447.1	1448.0	1447.3	1446.0	1444.6	1443.3	1441.9	1443.3
147.5°	1478.6	1479.9	1481.3	1482.6	1483.3	1482.8	1481.7	1480.6	1479.6	1478.5	1479.6
150°	1511.7	1513.3	1515.0	1516.6	1517.4	1516.7	1515.4	1514.0	1512.7	1511.3	1512.7
152.5°	1542.1	1543.7	1545.4	1547.0	1547.8	1546.9	1545.0	1543.1	1541.2	1539.3	1541.2
155°	1568.9	1570.5	1572.2	1573.8	1574.6	1573.5	1571.3	1569.2	1567.0	1564.8	1567.0
157.5°	1592.3	1594.2	1596.1	1598.0	1598.9	1597.8	1595.7	1593.5	1591.4	1589.2	1591.4
160°	1612.7	1614.3	1616.0	1617.6	1618.4	1617.5	1615.6	1613.7	1611.8	1609.9	1611.8
162.5°	1631.2	1633.1	1635.0	1636.9	1637.9	1636.7	1634.2	1631.8	1629.3	1626.9	1629.3
165°	1645.8	1647.7	1649.6	1651.5	1652.5	1651.5	1649.6	1647.7	1645.8	1643.9	1645.8
167.5°	1659.2	1661.1	1663.0	1664.9	1665.8	1664.6	1662.2	1659.7	1657.3	1654.9	1657.3
170°	1669.0	1670.9	1672.8	1674.7	1675.6	1674.4	1671.9	1669.5	1667.0	1664.6	1667.0
172.5°	1676.3	1678.2	1680.1	1682.0	1682.9	1681.7	1679.2	1676.8	1674.3	1671.9	1674.3
175°	1681.1	1683.0	1684.9	1686.8	1687.7	1686.4	1683.7	1681.0	1678.3	1675.6	1678.3
177.5°	1682.3	1684.2	1686.1	1688.0	1689.0	1687.8	1685.3	1682.9	1680.4	1678.0	1680.4
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	606.3	603.2	600.6	601.0	603.2	601.5	597.1	591.3	589.1	586.5	589.1
5°	642.8	640.1	634.9	635.3	634.0	632.2	625.2	616.4	616.4	609.4	608.5
7.5°	678.8	674.9	671.4	670.5	665.6	662.1	656.0	643.7	638.8	630.5	625.6
10°	719.3	716.2	712.2	707.4	704.8	698.6	688.5	670.5	661.7	650.3	641.9
12.5°	760.2	759.7	750.9	741.3	740.8	731.2	724.1	699.9	688.1	672.7	652.9
15°	786.1	783.9	779.1	774.2	775.6	765.0	749.2	720.6	712.7	694.2	673.1
17.5°	785.7	785.7	784.4	783.5	782.2	779.1	770.3	751.4	738.6	715.3	695.5
20°	760.6	766.3	767.6	767.2	771.6	773.8	773.4	761.5	751.4	730.7	710.5
22.5°	710.5	723.7	729.4	732.9	742.1	747.0	758.4	754.0	751.4	736.0	718.8
25°	663.9	668.3	685.4	686.3	699.1	710.9	722.4	729.8	739.5	733.8	719.3
27.5°	603.7	613.8	626.1	635.3	637.9	662.1	681.0	695.1	717.1	718.8	714.0
30°	535.5	540.3	560.6	572.9	586.9	604.5	631.8	656.0	675.8	693.8	699.9
32.5°	452.4	472.2	484.1	499.0	511.3	542.5	576.0	607.2	630.0	660.4	673.6
35°	376.3	391.7	412.0	418.1	440.5	466.9	510.4	550.5	585.2	616.0	642.8
37.5°	313.5	325.8	347.3	357.0	370.2	404.0	440.5	490.2	532.0	569.8	603.2
40°	270.4	279.6	295.9	299.0	310.0	340.7	370.2	416.8	472.2	523.2	559.7
42.5°	240.9	245.3	256.3	260.3	267.3	288.0	314.4	358.3	409.8	462.5	514.0
45°	219.8	222.9	229.5	233.0	241.8	251.0	272.6	307.8	348.2	401.4	456.8
47.5°	200.9	204.9	207.5	209.7	214.6	224.7	238.7	264.7	303.4	352.2	405.8
50°	185.1	186.4	191.3	191.7	194.8	201.4	214.6	230.4	261.2	300.7	352.6
52.5°	169.3	170.6	173.7	176.7	178.1	183.3	192.1	205.3	228.2	259.4	305.6
55°	153.4	155.2	158.3	160.5	161.8	166.2	171.5	184.2	202.2	224.2	262.0
57.5°	137.6	141.6	142.4	143.8	146.0	150.8	155.6	163.1	177.2	197.4	225.1
60°	122.7	124.0	127.1	128.4	130.6	133.2	139.4	145.1	155.2	171.0	196.1
62.5°	107.3	110.4	111.7	113.0	114.8	117.8	121.8	127.9	136.7	149.5	169.3
65°	94.1	94.5	97.2	98.9	100.7	102.9	106.8	112.6	117.8	129.7	144.2
67.5°	81.3	82.2	83.1	84.9	87.1	89.3	92.8	95.8	102.4	110.4	121.8
70°	69.0	69.0	71.2	72.5	72.1	74.7	77.4	80.9	85.7	93.2	102.4
72.5°	58.0	57.6	59.4	59.8	60.7	62.4	64.2	67.7	70.3	76.1	83.1
75°	46.2	47.0	47.9	47.9	49.2	50.6	52.3	54.1	57.2	60.7	65.9
77.5°	36.5	36.5	37.4	37.8	39.1	38.7	40.4	42.2	44.4	47.5	51.4
80°	26.8	27.7	27.7	27.7	28.1	28.6	30.3	31.7	33.0	35.2	36.9
82.5°	18.9	18.9	19.8	19.8	19.8	20.7	20.7	21.1	22.0	23.3	24.6
85°	11.9	11.9	11.9	12.3	11.9	12.3	13.2	12.8	13.2	14.1	14.1
87.5°	5.7	5.7	5.7	5.7	5.7	6.2	5.7	6.2	6.6	6.6	6.6
90°	31.8	31.2	30.7	30.4	29.7	28.4	27.0	25.7	24.3	22.1	20.0
92.5°	32.3	32.0	31.7	31.6	31.3	30.8	30.3	29.7	29.2	28.4	27.6
95°	52.8	53.1	53.4	53.5	52.8	51.5	50.2	48.8	47.5	45.6	43.7
97.5°	66.4	66.1	65.8	65.7	65.3	64.5	63.7	62.9	62.1	57.8	53.4
100°	80.4	79.9	79.4	79.1	78.0	75.9	73.7	71.6	69.4	64.8	60.2
102.5°	87.2	86.4	85.6	85.2	83.7	80.7	77.8	74.8	71.8	121.0	170.2
105°	90.3	89.2	88.1	87.6	86.1	83.1	80.2	77.2	74.2	148.0	221.8
107.5°	92.7	91.6	90.5	90.0	88.5	85.6	82.6	79.7	76.7	167.8	258.9
110°	94.0	92.9	91.8	91.3	104.8	131.8	158.9	185.9	212.9	291.1	369.2

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	95.7	94.9	94.1	93.7	152.0	268.5	385.1	501.6	618.2	622.8	627.4
115°	138.7	158.2	177.7	187.4	250.0	375.2	500.4	625.6	750.8	744.0	737.3
117.5°	465.4	536.2	607.1	642.5	661.8	700.5	739.2	777.8	816.5	811.9	807.3
120°	815.3	851.8	888.3	906.5	904.9	901.6	898.4	895.1	891.9	887.0	882.2
122.5°	971.7	971.4	971.1	971.0	970.2	968.6	966.9	965.3	963.7	958.3	952.9
125°	1038.8	1037.9	1037.1	1036.7	1035.8	1033.9	1032.0	1030.1	1028.2	1023.1	1017.9
127.5°	1100.7	1100.4	1100.1	1100.0	1098.6	1095.9	1093.2	1090.5	1087.8	1083.8	1079.7
130°	1157.7	1158.0	1158.3	1158.4	1156.9	1153.9	1151.0	1148.0	1145.0	1142.0	1139.1
132.5°	1212.5	1212.8	1213.1	1213.2	1212.0	1209.5	1207.1	1204.6	1202.2	1199.2	1196.2
135°	1265.4	1265.9	1266.4	1266.7	1265.4	1262.7	1260.0	1257.3	1254.6	1252.2	1249.7
137.5°	1314.6	1315.4	1316.2	1316.6	1315.2	1312.5	1309.8	1307.1	1304.4	1301.7	1299.0
140°	1360.7	1362.1	1363.4	1364.1	1362.9	1360.4	1358.0	1355.5	1353.1	1350.1	1347.1
142.5°	1404.5	1405.9	1407.2	1407.9	1406.8	1404.6	1402.5	1400.3	1398.1	1394.6	1391.1
145°	1444.6	1446.0	1447.3	1448.0	1447.1	1445.2	1443.3	1441.4	1439.5	1434.9	1430.3
147.5°	1480.6	1481.7	1482.8	1483.3	1482.6	1481.3	1479.9	1478.6	1477.2	1472.6	1468.0
150°	1514.0	1515.4	1516.7	1517.4	1516.6	1515.0	1513.3	1511.7	1510.1	1505.8	1501.4
152.5°	1543.1	1545.0	1546.9	1547.8	1547.0	1545.4	1543.7	1542.1	1540.5	1536.5	1532.4
155°	1569.2	1571.3	1573.5	1574.6	1573.8	1572.2	1570.5	1568.9	1567.3	1564.1	1560.8
157.5°	1593.5	1595.7	1597.8	1598.9	1598.0	1596.1	1594.2	1592.3	1590.4	1588.0	1585.5
160°	1613.7	1615.6	1617.5	1618.4	1617.6	1616.0	1614.3	1612.7	1611.1	1609.5	1607.9
162.5°	1631.8	1634.2	1636.7	1637.9	1636.9	1635.0	1633.1	1631.2	1629.3	1628.0	1626.6
165°	1647.7	1649.6	1651.5	1652.5	1651.5	1649.6	1647.7	1645.8	1643.9	1643.1	1642.3
167.5°	1659.7	1662.2	1664.6	1665.8	1664.9	1663.0	1661.1	1659.2	1657.3	1656.5	1655.7
170°	1669.5	1671.9	1674.4	1675.6	1674.7	1672.8	1670.9	1669.0	1667.1	1666.5	1666.0
172.5°	1676.8	1679.2	1681.7	1682.9	1682.0	1680.1	1678.2	1676.3	1674.4	1673.8	1673.3
175°	1681.0	1683.7	1686.4	1687.7	1686.8	1684.9	1683.0	1681.1	1679.2	1678.7	1678.1
177.5°	1682.9	1685.3	1687.8	1689.0	1688.0	1686.1	1684.2	1682.3	1680.4	1680.1	1679.9
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	586.9	584.7	583.4	584.3	581.7	575.1	575.1	577.3	574.6	572.0	568.0
5°	603.2	598.8	596.2	595.7	589.6	579.0	576.8	574.6	568.9	562.8	556.2
7.5°	619.0	611.1	606.7	603.7	594.9	581.2	575.5	570.7	561.4	552.2	543.9
10°	632.2	620.8	615.5	610.7	599.3	582.1	572.9	564.1	552.2	540.3	529.8
12.5°	642.8	629.6	623.0	616.0	601.9	579.5	568.0	554.0	542.1	526.3	515.7
15°	660.4	633.1	627.0	620.4	605.9	575.1	561.0	545.2	528.9	507.8	496.4
17.5°	674.4	637.9	637.5	623.4	604.5	573.3	551.8	531.1	513.5	492.4	474.4
20°	682.8	645.4	638.4	623.9	600.1	561.4	539.0	516.2	497.3	471.8	453.7
22.5°	689.8	656.0	637.5	619.9	590.9	557.5	524.5	503.0	477.0	449.3	432.2
25°	692.5	658.2	638.8	618.6	584.3	546.1	508.7	485.4	456.4	431.3	408.0
27.5°	692.9	657.7	634.0	612.9	575.1	531.1	492.9	468.2	436.1	407.1	383.8
30°	688.5	652.9	631.4	608.5	566.3	517.5	473.5	446.3	412.0	382.9	358.8
32.5°	675.3	643.2	625.6	600.6	554.9	498.6	455.0	424.7	388.7	360.1	336.8
35°	653.3	631.4	612.0	588.7	539.9	481.0	436.6	401.0	364.5	337.2	315.2
37.5°	626.1	614.2	596.2	573.3	522.8	465.2	415.9	376.3	339.9	313.5	291.9
40°	589.1	592.2	574.6	554.0	502.5	443.6	389.1	351.3	317.0	292.4	271.3
42.5°	549.1	561.9	551.8	532.0	480.1	419.9	369.3	327.5	294.1	268.6	251.0
45°	506.0	528.0	521.9	507.4	456.8	394.8	341.2	300.7	271.3	246.6	231.3
47.5°	459.0	490.2	490.2	479.7	430.9	369.8	317.0	275.7	246.6	229.1	214.1
50°	411.1	446.3	452.0	444.9	401.8	341.2	287.5	250.2	225.1	208.0	197.0
52.5°	361.0	401.8	412.4	408.9	371.1	313.9	263.4	226.9	204.0	189.1	179.4
55°	313.0	360.5	372.0	373.3	338.1	284.0	236.5	204.4	182.5	172.3	164.0
57.5°	267.8	313.5	326.2	328.4	304.7	256.8	211.5	183.3	163.6	155.2	148.6
60°	229.1	267.3	284.0	288.9	268.2	225.1	188.2	160.9	146.0	138.1	131.9
62.5°	197.4	228.2	245.8	247.1	237.9	197.4	164.0	141.1	128.4	121.3	118.3
65°	166.6	194.3	204.9	210.2	202.7	171.0	141.6	122.7	112.6	106.4	103.3
67.5°	142.0	159.6	168.4	175.4	167.9	144.2	120.5	105.1	97.6	91.4	89.7
70°	116.5	131.0	137.6	144.6	138.1	120.0	102.9	88.8	82.2	77.4	75.2
72.5°	93.2	104.6	110.8	115.2	111.2	96.3	82.2	72.5	67.7	64.2	62.9
75°	73.9	81.8	85.3	88.4	86.6	75.2	66.4	58.5	54.1	51.0	50.1
77.5°	56.3	62.0	65.9	66.8	64.6	57.2	49.7	44.8	41.3	39.6	38.7
80°	40.0	43.5	45.7	47.0	44.8	41.8	36.5	33.0	29.9	27.7	27.3
82.5°	26.8	28.6	30.3	29.9	29.0	26.4	23.3	21.5	20.2	18.5	18.5
85°	15.4	15.8	16.7	17.1	16.7	14.9	13.2	12.3	11.4	10.1	10.1
87.5°	6.6	7.0	7.0	7.5	6.6	6.6	5.7	4.8	4.8	4.4	4.0
90°	17.8	15.7	14.6	13.1	10.1	7.2	4.2	1.2	4.2	7.2	10.1
92.5°	26.8	26.0	25.6	26.1	27.2	28.3	29.3	30.4	29.3	28.3	27.2
95°	41.8	39.9	38.9	43.4	52.3	61.2	70.2	79.1	70.2	61.2	52.3
97.5°	49.1	44.8	42.6	53.7	75.9	98.0	120.2	142.4	120.2	98.0	75.9
100°	55.6	51.0	48.7	67.2	104.3	141.3	178.4	215.4	178.4	141.3	104.3
102.5°	219.5	268.7	293.3	293.6	294.1	294.6	295.2	295.7	295.2	294.6	294.1
105°	295.7	369.5	406.4	402.3	394.2	386.1	378.0	369.9	378.0	386.1	394.2
107.5°	350.0	441.1	486.7	483.3	476.6	469.8	463.1	456.3	463.1	469.8	476.6
110°	447.4	525.5	564.6	561.8	556.1	550.4	544.8	539.1	544.8	550.4	556.1

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	631.9	636.5	638.8	636.4	631.5	626.6	621.8	616.9	621.8	626.6	631.5
115°	730.5	723.8	720.4	718.1	713.5	708.9	704.3	699.7	704.3	708.9	713.5
117.5°	802.7	798.1	795.8	793.1	787.7	782.3	776.9	771.5	776.9	782.3	787.7
120°	877.3	872.4	870.0	868.0	863.9	859.9	855.8	851.8	855.8	859.9	863.9
122.5°	947.5	942.1	939.4	937.2	932.9	928.6	924.2	919.9	924.2	928.6	932.9
125°	1012.8	1007.7	1005.1	1003.3	999.8	996.3	992.8	989.3	992.8	996.3	999.8
127.5°	1075.7	1071.6	1069.6	1067.7	1063.9	1060.2	1056.4	1052.6	1056.4	1060.2	1063.9
130°	1136.1	1133.2	1131.7	1129.5	1125.2	1120.9	1116.5	1112.2	1116.5	1120.9	1125.2
132.5°	1193.3	1190.3	1188.8	1187.0	1183.5	1180.0	1176.5	1173.0	1176.5	1180.0	1183.5
135°	1247.3	1244.8	1243.6	1241.4	1237.1	1232.8	1228.4	1224.1	1228.4	1232.8	1237.1
137.5°	1296.3	1293.6	1292.3	1290.7	1287.4	1284.2	1280.9	1277.7	1280.9	1284.2	1287.4
140°	1344.2	1341.2	1339.7	1338.6	1336.5	1334.3	1332.2	1330.0	1332.2	1334.3	1336.5
142.5°	1387.6	1384.1	1382.3	1381.4	1379.5	1377.6	1375.7	1373.8	1375.7	1377.6	1379.5
145°	1425.7	1421.1	1418.8	1418.9	1419.2	1419.5	1419.7	1420.0	1419.7	1419.5	1419.2
147.5°	1463.4	1458.8	1456.5	1456.9	1457.7	1458.6	1459.4	1460.2	1459.4	1458.6	1457.7
150°	1497.1	1492.8	1490.6	1491.5	1493.4	1495.3	1497.2	1499.1	1497.2	1495.3	1493.4
152.5°	1528.4	1524.3	1522.3	1523.4	1525.5	1527.7	1529.8	1532.0	1529.8	1527.7	1525.5
155°	1557.6	1554.3	1552.7	1553.9	1556.3	1558.8	1561.2	1563.6	1561.2	1558.8	1556.3
157.5°	1583.1	1580.6	1579.4	1580.5	1582.7	1584.8	1587.0	1589.2	1587.0	1584.8	1582.7
160°	1606.2	1604.6	1603.8	1604.6	1606.2	1607.9	1609.5	1611.1	1609.5	1607.9	1606.2
162.5°	1625.3	1624.0	1623.3	1624.1	1625.7	1627.4	1629.0	1630.6	1629.0	1627.4	1625.7
165°	1641.5	1640.7	1640.3	1641.1	1642.7	1644.4	1646.0	1647.6	1646.0	1644.4	1642.7
167.5°	1654.9	1654.1	1653.7	1654.5	1656.1	1657.8	1659.4	1661.0	1659.4	1657.8	1656.1
170°	1665.4	1664.9	1664.6	1665.4	1667.0	1668.7	1670.3	1671.9	1670.3	1668.7	1667.0
172.5°	1672.7	1672.2	1671.9	1672.7	1674.3	1676.0	1677.6	1679.2	1677.6	1676.0	1674.3
175°	1677.6	1677.1	1676.8	1677.7	1679.6	1681.5	1683.4	1685.3	1683.4	1681.5	1679.6
177.5°	1679.6	1679.3	1679.2	1680.1	1682.0	1683.9	1685.8	1687.7	1685.8	1683.9	1682.0
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	565.8	568.0	567.6	563.2	558.4	554.4	546.9	547.8	545.2	545.6	548.3
5°	551.8	551.8	550.0	543.9	535.9	531.5	523.2	521.0	515.7	515.3	514.8
7.5°	536.8	534.6	532.4	523.6	514.0	506.9	495.5	492.9	487.6	484.1	482.3
10°	519.2	516.2	511.8	501.7	489.8	481.0	469.1	465.6	455.5	451.1	448.5
12.5°	499.9	498.1	491.1	482.7	463.4	453.7	436.6	440.1	430.0	421.2	419.9
15°	480.5	474.0	470.0	456.4	433.1	428.7	415.0	408.0	398.8	391.7	391.7
17.5°	461.6	451.5	442.7	428.2	411.1	398.8	388.7	385.1	373.7	366.7	365.4
20°	436.6	425.2	423.0	402.3	390.4	376.8	367.1	358.3	350.0	346.9	344.7
22.5°	412.8	399.7	396.1	378.5	366.7	353.0	343.4	337.2	331.1	328.9	324.9
25°	387.3	379.4	374.2	355.2	342.1	329.3	322.7	318.3	312.6	312.2	309.5
27.5°	362.7	355.2	350.0	331.9	322.3	310.4	305.1	300.3	297.2	295.9	294.6
30°	341.6	333.3	327.1	313.9	302.0	292.4	288.0	284.9	283.1	280.9	280.5
32.5°	318.3	313.5	305.1	295.0	285.8	276.5	273.9	271.7	269.1	268.2	267.8
35°	298.5	291.9	286.7	275.2	271.3	263.4	260.3	258.5	255.0	254.1	253.2
37.5°	279.2	273.0	267.3	260.3	252.8	248.4	246.6	244.0	242.3	242.7	241.8
40°	259.8	255.0	250.6	243.1	238.7	236.5	233.0	230.4	229.5	229.9	229.5
42.5°	240.9	236.5	233.9	228.2	223.8	221.6	219.4	216.8	218.1	218.1	219.4
45°	223.8	219.8	218.1	213.7	211.0	207.5	205.3	204.9	206.6	206.2	206.2
47.5°	206.2	204.9	202.7	198.7	195.2	193.0	192.6	192.6	194.3	195.2	194.8
50°	192.6	189.9	187.3	184.2	181.6	180.7	179.4	180.3	182.0	182.0	182.9
52.5°	175.4	173.7	172.8	170.1	168.4	168.4	168.4	168.8	170.1	171.5	171.0
55°	160.5	159.2	158.3	157.0	154.8	155.2	154.8	155.6	157.0	158.3	159.2
57.5°	144.6	144.2	143.3	141.1	141.1	140.7	142.0	142.4	144.6	145.5	146.8
60°	130.6	129.3	129.3	127.5	127.5	127.5	128.8	130.1	131.9	132.3	133.2
62.5°	115.6	115.6	115.2	113.9	113.9	115.2	115.6	117.4	118.3	118.3	119.6
65°	101.6	101.1	100.7	101.1	101.6	101.6	102.9	103.8	104.6	105.1	105.5
67.5°	87.5	87.1	87.9	87.5	88.4	90.1	89.7	91.0	92.3	92.3	92.8
70°	74.3	75.2	74.7	75.6	75.2	76.1	77.4	77.8	77.8	78.3	79.6
72.5°	62.0	62.0	62.0	61.6	62.0	62.9	63.8	64.2	65.1	65.5	66.8
75°	50.1	50.1	49.2	50.1	50.1	51.0	51.9	51.9	51.9	52.8	54.1
77.5°	37.8	38.3	37.8	38.7	38.7	39.1	40.0	39.6	40.4	40.9	41.3
80°	27.7	27.3	27.3	27.3	27.7	27.7	28.6	29.0	29.0	30.3	29.5
82.5°	17.6	18.0	17.6	18.0	18.0	18.5	18.0	18.5	18.9	19.8	19.3
85°	10.1	9.7	9.7	10.1	9.7	9.7	10.1	9.7	10.1	9.7	10.1
87.5°	4.0	3.5	3.5	3.5	3.5	3.1	3.1	2.6	2.6	2.6	2.2
90°	13.1	14.6	15.7	17.8	20.0	22.1	24.3	25.7	27.0	28.4	29.7
92.5°	26.1	25.6	26.0	26.8	27.6	28.4	29.2	29.7	30.3	30.8	31.3
95°	43.4	38.9	39.9	41.8	43.7	45.6	47.5	48.8	50.2	51.5	52.8
97.5°	53.7	42.6	44.8	49.1	53.4	57.8	62.1	62.9	63.7	64.5	65.3
100°	67.2	48.7	51.0	55.6	60.2	64.8	69.4	71.6	73.7	75.9	78.0
102.5°	293.6	293.3	268.7	219.5	170.2	121.0	71.8	74.8	77.8	80.7	83.7
105°	402.3	406.4	369.5	295.7	221.8	148.0	74.2	77.2	80.2	83.1	86.1
107.5°	483.3	486.7	441.1	350.0	258.9	167.8	76.7	79.7	82.6	85.6	88.5
110°	561.8	564.6	525.5	447.4	369.2	291.1	212.9	185.9	158.9	131.8	104.8

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	636.4	638.8	636.5	631.9	627.4	622.8	618.2	501.6	385.1	268.5	152.0
115°	718.1	720.4	723.8	730.5	737.3	744.0	750.8	625.6	500.4	375.2	250.0
117.5°	793.1	795.8	798.1	802.7	807.3	811.9	816.5	777.8	739.2	700.5	661.8
120°	868.0	870.0	872.4	877.3	882.2	887.0	891.9	895.1	898.4	901.6	904.9
122.5°	937.2	939.4	942.1	947.5	952.9	958.3	963.7	965.3	966.9	968.6	970.2
125°	1003.3	1005.1	1007.7	1012.8	1017.9	1023.1	1028.2	1030.1	1032.0	1033.9	1035.8
127.5°	1067.7	1069.6	1071.6	1075.7	1079.7	1083.8	1087.8	1090.5	1093.2	1095.9	1098.6
130°	1129.5	1131.7	1133.2	1136.1	1139.1	1142.0	1145.0	1148.0	1151.0	1153.9	1156.9
132.5°	1187.0	1188.8	1190.3	1193.3	1196.2	1199.2	1202.2	1204.6	1207.1	1209.5	1212.0
135°	1241.4	1243.6	1244.8	1247.3	1249.7	1252.2	1254.6	1257.3	1260.0	1262.7	1265.4
137.5°	1290.7	1292.3	1293.6	1296.3	1299.0	1301.7	1304.4	1307.1	1309.8	1312.5	1315.2
140°	1338.6	1339.7	1341.2	1344.2	1347.1	1350.1	1353.1	1355.5	1358.0	1360.4	1362.9
142.5°	1381.4	1382.3	1384.1	1387.6	1391.1	1394.6	1398.1	1400.3	1402.5	1404.6	1406.8
145°	1418.9	1418.8	1421.1	1425.7	1430.3	1434.9	1439.5	1441.4	1443.3	1445.2	1447.1
147.5°	1456.9	1456.5	1458.8	1463.4	1468.0	1472.6	1477.2	1478.6	1479.9	1481.3	1482.6
150°	1491.5	1490.6	1492.8	1497.1	1501.4	1505.8	1510.1	1511.7	1513.3	1515.0	1516.6
152.5°	1523.4	1522.3	1524.3	1528.4	1532.4	1536.5	1540.5	1542.1	1543.7	1545.4	1547.0
155°	1553.9	1552.7	1554.3	1557.6	1560.8	1564.1	1567.3	1568.9	1570.5	1572.2	1573.8
157.5°	1580.5	1579.4	1580.6	1583.1	1585.5	1588.0	1590.4	1592.3	1594.2	1596.1	1598.0
160°	1604.6	1603.8	1604.6	1606.2	1607.9	1609.5	1611.1	1612.7	1614.3	1616.0	1617.6
162.5°	1624.1	1623.3	1624.0	1625.3	1626.6	1628.0	1629.3	1631.2	1633.1	1635.0	1636.9
165°	1641.1	1640.3	1640.7	1641.5	1642.3	1643.1	1643.9	1645.8	1647.7	1649.6	1651.5
167.5°	1654.5	1653.7	1654.1	1654.9	1655.7	1656.5	1657.3	1659.2	1661.1	1663.0	1664.9
170°	1665.4	1664.6	1664.9	1665.4	1666.0	1666.5	1667.1	1669.0	1670.9	1672.8	1674.7
172.5°	1672.7	1671.9	1672.2	1672.7	1673.3	1673.8	1674.4	1676.3	1678.2	1680.1	1682.0
175°	1677.7	1676.8	1677.1	1677.6	1678.1	1678.7	1679.2	1681.1	1683.0	1684.9	1686.8
177.5°	1680.1	1679.2	1679.3	1679.6	1679.9	1680.1	1680.4	1682.3	1684.2	1686.1	1688.0
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	545.2	546.5	543.4	542.5	543.4	540.3	541.2	542.1	542.1	543.4	544.3
5°	513.5	511.8	508.7	507.8	506.9	508.2	507.4	508.7	509.1	512.2	512.6
7.5°	482.3	479.7	477.0	474.4	473.5	471.3	473.5	473.5	476.6	475.7	477.9
10°	445.4	444.9	441.4	440.1	438.3	434.8	439.7	438.3	440.5	444.5	445.4
12.5°	418.1	413.3	415.5	409.3	411.5	408.0	408.4	408.4	412.0	412.4	411.5
15°	392.2	388.2	382.5	379.9	378.5	376.8	382.5	382.9	380.3	386.5	384.3
17.5°	365.8	365.8	360.5	359.2	355.7	357.4	356.6	357.0	356.1	360.5	362.7
20°	342.9	340.7	339.0	339.4	335.0	334.1	333.3	334.1	337.2	340.3	341.2
22.5°	324.5	323.1	318.8	319.6	316.1	317.4	316.6	318.8	319.2	319.2	322.3
25°	306.9	305.1	305.6	303.8	302.5	302.5	301.2	302.5	304.2	305.1	305.6
27.5°	293.7	292.4	290.2	288.9	289.7	287.5	289.3	290.6	290.6	289.7	290.6
30°	277.9	278.7	278.7	274.3	276.1	275.2	276.5	277.4	277.4	277.9	277.0
32.5°	267.3	264.7	264.2	263.8	263.8	262.0	262.0	263.4	263.8	264.2	265.6
35°	253.2	253.2	251.0	252.4	250.6	251.0	250.6	251.0	251.9	250.6	251.9
37.5°	240.5	240.9	240.1	240.9	241.4	240.5	239.6	241.4	240.5	240.5	239.6
40°	229.5	229.1	229.5	229.5	229.5	229.9	229.1	229.1	229.1	228.2	227.3
42.5°	220.3	217.6	218.5	219.0	217.6	217.6	218.1	217.6	219.0	216.3	216.3
45°	207.1	206.2	206.6	206.6	207.5	206.2	207.1	207.5	206.2	205.8	204.9
47.5°	195.2	196.1	195.2	196.1	196.1	197.0	195.2	195.6	196.1	194.3	193.0
50°	183.3	183.3	184.7	184.2	184.7	183.8	183.8	183.3	183.8	182.9	181.6
52.5°	172.3	171.0	173.2	172.8	172.3	171.9	171.5	171.9	171.0	170.1	170.1
55°	158.7	158.7	160.0	160.5	160.5	159.6	158.7	159.2	158.7	158.3	157.8
57.5°	147.7	146.0	146.8	147.3	147.3	146.0	146.8	146.0	146.0	146.4	145.1
60°	133.7	133.7	132.8	134.1	134.1	133.2	133.2	133.7	132.8	132.3	131.9
62.5°	118.7	119.1	120.5	120.9	121.3	120.5	119.6	120.0	120.0	118.7	119.1
65°	106.0	106.8	108.6	108.2	107.3	107.7	106.8	107.3	106.0	106.4	105.1
67.5°	93.6	93.2	93.6	93.6	94.5	94.1	93.2	93.2	92.8	94.1	92.8
70°	80.5	80.5	80.5	80.5	80.9	81.3	80.5	79.6	80.0	79.1	78.7
72.5°	66.8	67.3	66.8	67.7	66.4	67.3	67.3	66.8	66.4	66.4	66.4
75°	54.1	55.0	53.6	54.1	53.6	54.5	54.1	54.1	53.2	52.8	53.2
77.5°	41.3	41.8	40.9	41.3	40.9	41.3	41.3	40.9	40.9	40.9	40.9
80°	29.5	29.9	29.5	29.0	28.6	29.5	28.6	29.0	29.5	29.0	29.9
82.5°	18.9	18.9	18.5	18.9	18.0	18.0	18.5	18.5	18.0	18.9	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.7	9.2
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.6	1.8
90°	30.4	30.7	31.2	31.8	32.3	32.9	32.3	31.8	31.2	30.7	30.4
92.5°	31.6	31.7	32.0	32.3	32.6	32.9	32.6	32.3	32.0	31.7	31.6
95°	53.5	53.4	53.1	52.8	52.6	52.3	52.6	52.8	53.1	53.4	53.5
97.5°	65.7	65.8	66.1	66.4	66.6	66.9	66.6	66.4	66.1	65.8	65.7
100°	79.1	79.4	79.9	80.4	81.0	81.5	81.0	80.4	79.9	79.4	79.1
102.5°	85.2	85.6	86.4	87.2	88.0	88.8	88.0	87.2	86.4	85.6	85.2
105°	87.6	88.1	89.2	90.3	91.4	92.5	91.4	90.3	89.2	88.1	87.6
107.5°	90.0	90.5	91.6	92.7	93.8	94.9	93.8	92.7	91.6	90.5	90.0
110°	91.3	91.8	92.9	94.0	95.0	96.1	95.0	94.0	92.9	91.8	91.3

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	93.7	94.1	94.9	95.7	96.5	97.3	96.5	95.7	94.9	94.1	93.7
115°	187.4	177.7	158.2	138.7	119.3	99.8	119.3	138.7	158.2	177.7	187.4
117.5°	642.5	607.1	536.2	465.4	394.5	323.7	394.5	465.4	536.2	607.1	642.5
120°	906.5	888.3	851.8	815.3	778.8	742.3	778.8	815.3	851.8	888.3	906.5
122.5°	971.0	971.1	971.4	971.7	971.9	972.2	971.9	971.7	971.4	971.1	971.0
125°	1036.7	1037.1	1037.9	1038.8	1039.6	1040.4	1039.6	1038.8	1037.9	1037.1	1036.7
127.5°	1100.0	1100.1	1100.4	1100.7	1100.9	1101.2	1100.9	1100.7	1100.4	1100.1	1100.0
130°	1158.4	1158.3	1158.0	1157.7	1157.5	1157.2	1157.5	1157.7	1158.0	1158.3	1158.4
132.5°	1213.2	1213.1	1212.8	1212.5	1212.3	1212.0	1212.3	1212.5	1212.8	1213.1	1213.2
135°	1266.7	1266.4	1265.9	1265.4	1264.8	1264.3	1264.8	1265.4	1265.9	1266.4	1266.7
137.5°	1316.6	1316.2	1315.4	1314.6	1313.8	1313.0	1313.8	1314.6	1315.4	1316.2	1316.6
140°	1364.1	1363.4	1362.1	1360.7	1359.4	1358.0	1359.4	1360.7	1362.1	1363.4	1364.1
142.5°	1407.9	1407.2	1405.9	1404.5	1403.2	1401.8	1403.2	1404.5	1405.9	1407.2	1407.9
145°	1448.0	1447.3	1446.0	1444.6	1443.3	1441.9	1443.3	1444.6	1446.0	1447.3	1448.0
147.5°	1483.3	1482.8	1481.7	1480.6	1479.6	1478.5	1479.6	1480.6	1481.7	1482.8	1483.3
150°	1517.4	1516.7	1515.4	1514.0	1512.7	1511.3	1512.7	1514.0	1515.4	1516.7	1517.4
152.5°	1547.8	1546.9	1545.0	1543.1	1541.2	1539.3	1541.2	1543.1	1545.0	1546.9	1547.8
155°	1574.6	1573.5	1571.3	1569.2	1567.0	1564.8	1567.0	1569.2	1571.3	1573.5	1574.6
157.5°	1598.9	1597.8	1595.7	1593.5	1591.4	1589.2	1591.4	1593.5	1595.7	1597.8	1598.9
160°	1618.4	1617.5	1615.6	1613.7	1611.8	1609.9	1611.8	1613.7	1615.6	1617.5	1618.4
162.5°	1637.9	1636.7	1634.2	1631.8	1629.3	1626.9	1629.3	1631.8	1634.2	1636.7	1637.9
165°	1652.5	1651.5	1649.6	1647.7	1645.8	1643.9	1645.8	1647.7	1649.6	1651.5	1652.5
167.5°	1665.8	1664.6	1662.2	1659.7	1657.3	1654.9	1657.3	1659.7	1662.2	1664.6	1665.8
170°	1675.6	1674.4	1671.9	1669.5	1667.0	1664.6	1667.0	1669.5	1671.9	1674.4	1675.6
172.5°	1682.9	1681.7	1679.2	1676.8	1674.3	1671.9	1674.3	1676.8	1679.2	1681.7	1682.9
175°	1687.7	1686.4	1683.7	1681.0	1678.3	1675.6	1678.3	1681.0	1683.7	1686.4	1687.7
177.5°	1689.0	1687.8	1685.3	1682.9	1680.4	1678.0	1680.4	1682.9	1685.3	1687.8	1689.0
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	543.0	546.5	545.2	540.3	546.1	546.1	550.0	550.0	554.9	556.6	559.2
5°	512.2	514.8	517.0	514.8	518.8	525.0	528.5	531.5	538.1	540.8	544.7
7.5°	479.2	484.1	486.3	486.3	492.9	499.9	506.9	511.3	520.6	524.1	528.0
10°	447.1	452.8	457.2	456.8	467.8	472.2	481.0	491.1	500.3	505.6	511.3
12.5°	413.3	416.4	422.5	431.3	433.9	441.9	452.0	464.7	481.4	486.3	494.6
15°	385.1	393.5	398.3	402.3	408.4	415.9	426.9	439.2	455.9	466.5	475.3
17.5°	361.4	372.4	375.5	374.6	382.5	393.9	406.7	415.9	430.9	443.6	452.0
20°	342.1	346.5	351.7	353.9	360.1	372.4	384.7	395.3	407.6	417.7	427.3
22.5°	322.7	326.2	330.6	334.6	339.4	346.5	358.3	371.5	383.4	393.1	404.0
25°	306.9	309.1	313.0	316.1	321.4	326.2	334.6	349.1	363.2	368.9	378.5
27.5°	291.5	293.3	295.9	299.4	302.0	306.9	314.4	326.2	340.7	346.5	359.6
30°	277.9	279.2	281.8	283.6	284.9	290.6	296.3	305.6	316.6	324.5	334.1
32.5°	265.1	266.4	269.1	269.5	271.3	274.3	279.6	288.0	297.6	304.2	312.6
35°	251.0	251.9	254.6	255.4	256.8	259.4	263.4	269.5	278.3	283.1	290.6
37.5°	240.1	239.6	241.4	242.7	244.5	245.8	247.1	253.2	259.8	264.2	270.0
40°	228.2	227.3	227.7	229.5	230.4	232.1	232.1	238.3	242.7	246.2	250.6
42.5°	216.3	215.9	215.0	215.9	216.8	217.2	217.6	222.0	226.4	229.5	234.3
45°	204.4	204.0	203.1	203.6	203.6	204.4	205.8	207.5	210.6	213.2	215.9
47.5°	193.5	192.6	191.3	190.8	191.7	191.7	191.7	193.5	196.5	197.4	200.0
50°	182.0	180.7	178.9	178.1	178.1	177.6	178.5	178.9	181.6	182.5	184.7
52.5°	169.7	168.8	167.1	165.3	165.8	164.9	165.3	165.8	166.6	167.9	169.3
55°	157.4	155.6	154.3	153.9	152.6	152.6	151.2	153.0	152.6	153.0	154.8
57.5°	145.5	143.8	141.6	140.7	139.4	138.9	138.1	137.6	138.1	139.4	140.7
60°	131.5	130.6	129.3	127.9	127.1	125.7	124.9	124.9	124.4	124.4	124.9
62.5°	117.8	117.4	115.6	115.2	114.3	113.4	112.1	111.2	111.2	112.1	112.6
65°	104.6	104.2	102.9	102.4	100.2	99.4	98.9	98.5	97.6	97.6	97.6
67.5°	92.3	91.0	91.0	88.8	87.1	86.2	85.3	84.9	84.9	84.9	85.3
70°	78.7	78.7	77.4	76.1	74.3	74.7	73.4	72.1	72.1	71.2	71.7
72.5°	65.5	65.1	63.8	63.3	62.0	60.7	59.8	60.7	59.4	58.9	59.4
75°	52.8	52.3	51.4	50.6	51.0	49.7	48.4	47.9	47.9	47.0	47.0
77.5°	40.4	41.3	39.6	39.1	38.3	37.4	36.9	36.5	36.5	36.5	37.4
80°	28.1	28.6	28.6	27.7	28.1	26.8	26.8	26.8	25.5	25.9	26.4
82.5°	18.0	18.0	17.6	18.0	17.6	17.6	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.7	9.2	10.1	9.7	9.7	9.2	9.2	9.2	9.2	9.2
87.5°	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5
90°	29.7	28.4	27.0	25.7	24.3	22.1	20.0	17.8	15.7	14.6	13.1
92.5°	31.3	30.8	30.3	29.7	29.2	28.4	27.6	26.8	26.0	25.6	26.1
95°	52.8	51.5	50.2	48.8	47.5	45.6	43.7	41.8	39.9	38.9	43.4
97.5°	65.3	64.5	63.7	62.9	62.1	57.8	53.4	49.1	44.8	42.6	53.7
100°	78.0	75.9	73.7	71.6	69.4	64.8	60.2	55.6	51.0	48.7	67.2
102.5°	83.7	80.7	77.8	74.8	71.8	121.0	170.2	219.5	268.7	293.3	293.6
105°	86.1	83.1	80.2	77.2	74.2	148.0	221.8	295.7	369.5	406.4	402.3
107.5°	88.5	85.6	82.6	79.7	76.7	167.8	258.9	350.0	441.1	486.7	483.3
110°	104.8	131.8	158.9	185.9	212.9	291.1	369.2	447.4	525.5	564.6	561.8

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	152.0	268.5	385.1	501.6	618.2	622.8	627.4	631.9	636.5	638.8	636.4
115°	250.0	375.2	500.4	625.6	750.8	744.0	737.3	730.5	723.8	720.4	718.1
117.5°	661.8	700.5	739.2	777.8	816.5	811.9	807.3	802.7	798.1	795.8	793.1
120°	904.9	901.6	898.4	895.1	891.9	887.0	882.2	877.3	872.4	870.0	868.0
122.5°	970.2	968.6	966.9	965.3	963.7	958.3	952.9	947.5	942.1	939.4	937.2
125°	1035.8	1033.9	1032.0	1030.1	1028.2	1023.1	1017.9	1012.8	1007.7	1005.1	1003.3
127.5°	1098.6	1095.9	1093.2	1090.5	1087.8	1083.8	1079.7	1075.7	1071.6	1069.6	1067.7
130°	1156.9	1153.9	1151.0	1148.0	1145.0	1142.0	1139.1	1136.1	1133.2	1131.7	1129.5
132.5°	1212.0	1209.5	1207.1	1204.6	1202.2	1199.2	1196.2	1193.3	1190.3	1188.8	1187.0
135°	1265.4	1262.7	1260.0	1257.3	1254.6	1252.2	1249.7	1247.3	1244.8	1243.6	1241.4
137.5°	1315.2	1312.5	1309.8	1307.1	1304.4	1301.7	1299.0	1296.3	1293.6	1292.3	1290.7
140°	1362.9	1360.4	1358.0	1355.5	1353.1	1350.1	1347.1	1344.2	1341.2	1339.7	1338.6
142.5°	1406.8	1404.6	1402.5	1400.3	1398.1	1394.6	1391.1	1387.6	1384.1	1382.3	1381.4
145°	1447.1	1445.2	1443.3	1441.4	1439.5	1434.9	1430.3	1425.7	1421.1	1418.8	1418.9
147.5°	1482.6	1481.3	1479.9	1478.6	1477.2	1472.6	1468.0	1463.4	1458.8	1456.5	1456.9
150°	1516.6	1515.0	1513.3	1511.7	1510.1	1505.8	1501.4	1497.1	1492.8	1490.6	1491.5
152.5°	1547.0	1545.4	1543.7	1542.1	1540.5	1536.5	1532.4	1528.4	1524.3	1522.3	1523.4
155°	1573.8	1572.2	1570.5	1568.9	1567.3	1564.1	1560.8	1557.6	1554.3	1552.7	1553.9
157.5°	1598.0	1596.1	1594.2	1592.3	1590.4	1588.0	1585.5	1583.1	1580.6	1579.4	1580.5
160°	1617.6	1616.0	1614.3	1612.7	1611.1	1609.5	1607.9	1606.2	1604.6	1603.8	1604.6
162.5°	1636.9	1635.0	1633.1	1631.2	1629.3	1628.0	1626.6	1625.3	1624.0	1623.3	1624.1
165°	1651.5	1649.6	1647.7	1645.8	1643.9	1643.1	1642.3	1641.5	1640.7	1640.3	1641.1
167.5°	1664.9	1663.0	1661.1	1659.2	1657.3	1656.5	1655.7	1654.9	1654.1	1653.7	1654.5
170°	1674.7	1672.8	1670.9	1669.0	1667.1	1666.5	1666.0	1665.4	1664.9	1664.6	1665.4
172.5°	1682.0	1680.1	1678.2	1676.3	1674.4	1673.8	1673.3	1672.7	1672.2	1671.9	1672.7
175°	1686.8	1684.9	1683.0	1681.1	1679.2	1678.7	1678.1	1677.6	1677.1	1676.8	1677.7
177.5°	1688.0	1686.1	1684.2	1682.3	1680.4	1680.1	1679.9	1679.6	1679.3	1679.2	1680.1
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	572.0	572.0	572.0	572.0
2.5°	561.4	561.4	568.0	575.1
5°	549.1	552.2	562.8	572.4
7.5°	537.3	542.5	555.7	568.0
10°	522.8	529.8	546.1	560.6
12.5°	508.7	515.3	534.2	550.5
15°	488.9	497.3	517.5	537.7
17.5°	469.1	477.5	502.1	525.8
20°	445.8	456.8	484.5	516.2
22.5°	424.3	437.9	468.7	494.2
25°	400.5	421.6	450.2	483.2
27.5°	379.4	400.5	429.5	463.0
30°	355.7	377.2	407.1	437.9
32.5°	332.8	352.6	381.6	419.4
35°	309.1	328.0	356.1	394.4
37.5°	287.5	306.0	336.8	372.0
40°	266.4	285.8	312.2	347.3
42.5°	246.6	263.8	287.5	322.7
45°	228.6	240.9	262.9	295.9
47.5°	209.7	220.7	240.9	273.9
50°	192.1	201.4	219.0	249.7
52.5°	175.0	182.9	199.2	223.8
55°	159.6	167.1	178.9	203.1
57.5°	143.8	149.5	160.9	180.3
60°	128.4	133.7	142.9	158.7
62.5°	113.0	117.4	126.2	138.9
65°	99.4	102.9	109.5	120.5
67.5°	86.2	88.4	93.6	102.4
70°	73.4	75.2	79.6	86.6
72.5°	59.8	61.6	66.4	71.2
75°	48.4	48.8	52.3	56.3
77.5°	37.8	37.4	40.0	43.1
80°	25.9	27.3	29.5	30.8
82.5°	17.6	18.0	18.9	19.8
85°	9.7	10.1	10.1	11.4
87.5°	4.0	4.4	4.4	4.8
90°	10.1	7.2	4.2	1.2
92.5°	27.2	28.3	29.3	30.4
95°	52.3	61.2	70.2	79.1
97.5°	75.9	98.0	120.2	142.4
100°	104.3	141.3	178.4	215.4
102.5°	294.1	294.6	295.2	295.7
105°	394.2	386.1	378.0	369.9
107.5°	476.6	469.8	463.1	456.3
110°	556.1	550.4	544.8	539.1

TEST NUMBER: P1029309

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	631.5	626.6	621.8	616.9
115°	713.5	708.9	704.3	699.7
117.5°	787.7	782.3	776.9	771.5
120°	863.9	859.9	855.8	851.8
122.5°	932.9	928.6	924.2	919.9
125°	999.8	996.3	992.8	989.3
127.5°	1063.9	1060.2	1056.4	1052.6
130°	1125.2	1120.9	1116.5	1112.2
132.5°	1183.5	1180.0	1176.5	1173.0
135°	1237.1	1232.8	1228.4	1224.1
137.5°	1287.4	1284.2	1280.9	1277.7
140°	1336.5	1334.3	1332.2	1330.0
142.5°	1379.5	1377.6	1375.7	1373.8
145°	1419.2	1419.5	1419.7	1420.0
147.5°	1457.7	1458.6	1459.4	1460.2
150°	1493.4	1495.3	1497.2	1499.1
152.5°	1525.5	1527.7	1529.8	1532.0
155°	1556.3	1558.8	1561.2	1563.6
157.5°	1582.7	1584.8	1587.0	1589.2
160°	1606.2	1607.9	1609.5	1611.1
162.5°	1625.7	1627.4	1629.0	1630.6
165°	1642.7	1644.4	1646.0	1647.6
167.5°	1656.1	1657.8	1659.4	1661.0
170°	1667.0	1668.7	1670.3	1671.9
172.5°	1674.3	1676.0	1677.6	1679.2
175°	1679.6	1681.5	1683.4	1685.3
177.5°	1682.0	1683.9	1685.8	1687.7
180°	1681.7	1681.7	1681.7	1681.7

(END OF REPORT)