

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: P1008159

Luminaire Tested: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008159
REPORT IS A COMBINATION OF REPORTS P984487 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

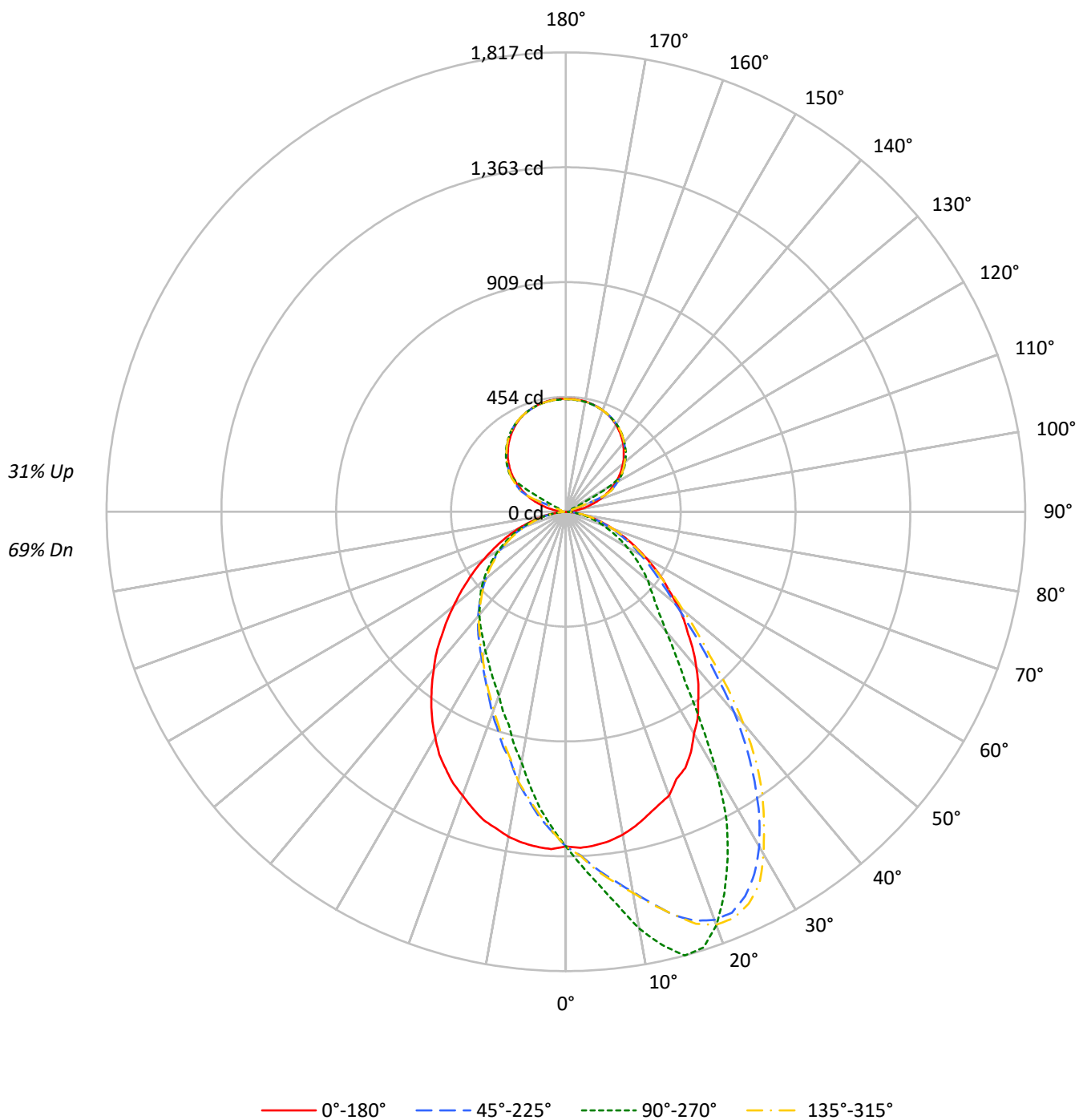
Lumens per Lamp: N/A
Luminaire Lumens: 4227.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
Input Voltage (V): 120
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



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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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	74	74	74	69		
1	103	99	95	91	97	93	90	87	83	81	79	74	73	71	66	65	64	60		
2	94	87	81	76	89	82	77	73	74	70	66	66	63	60	59	57	55	51		
3	86	77	70	64	81	73	67	62	66	61	57	59	55	52	53	50	47	44		
4	79	69	61	55	75	65	58	53	59	53	49	53	49	45	48	44	41	38		
5	73	62	54	48	69	59	51	46	53	47	43	48	43	40	43	40	36	34		
6	68	56	48	42	64	53	46	40	48	42	38	44	39	35	40	36	32	30		
7	63	51	43	37	59	48	41	36	44	38	34	40	35	31	36	32	29	27		
8	59	46	39	33	55	44	37	32	41	35	30	37	32	28	34	29	26	24		
9	55	43	35	30	52	41	34	29	37	31	27	34	29	26	31	27	24	22		
10	51	39	32	27	49	38	31	26	35	29	25	32	27	23	29	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20950	20950	20950	20950
5°	21000	22337	21081	17772
10°	20756	24384	20887	14652
15°	20252	25721	20534	12342
20°	19937	24150	19937	10726
25°	19302	20747	19390	9593
30°	18256	16309	18604	8689
35°	17330	11278	17620	7951
40°	16266	8515	16450	7360
45°	14952	6997	15196	6725
50°	13817	6141	13841	6156
55°	12524	5233	12604	5539
60°	11143	4370	11297	4833
65°	9908	3554	10089	4127
70°	8679	2790	8900	3329
75°	7283	2025	7569	2414
80°	5684	1282	6092	1434
85°	3729	647	4026	477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21656 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	3.0
10°-20°	366.9	8.7
20°-30°	532.5	12.6
30°-40°	561.3	13.3
40°-50°	496.7	11.8
50°-60°	396.6	9.4
60°-70°	269.4	6.4
70°-80°	137.8	3.3
80°-90°	33.4	0.8
90°-100°	14.7	0.3
100°-110°	54.8	1.3
110°-120°	145.3	3.4
120°-130°	240.9	5.7
130°-140°	255.9	6.1
140°-150°	237.8	5.6
150°-160°	191.2	4.5
160°-170°	123.2	2.9
170°-180°	42.4	1.0
0°-30°	1025.5	24.3
0°-40°	1586.8	37.5
0°-60°	2480.2	58.7
0°-90°	2920.8	69.1
90°-120°	214.7	5.1
90°-150°	949.4	22.5
90°-180°	1306.0	30.9
0°-180°	4227.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1324	1324	1324	1324	1324	
5°	1324	1478	1330	1176	1324	126
15°	1244	1817	1261	872	1244	351
25°	1118	1514	1123	700	1118	511
35°	912	824	928	581	912	571
45°	685	496	696	477	685	531
55°	470	349	473	369	470	419
65°	279	215	284	249	279	277
75°	130	106	135	126	130	140
85°	26	28	28	20	26	31
90°	0	9	0	9	0	3
95°	21	14	21	14	21	25
105°	98	24	98	24	98	105
115°	185	26	185	26	185	183
125°	262	276	262	276	262	234
135°	324	335	324	335	324	251
145°	376	382	376	382	376	235
155°	414	415	414	415	414	191
165°	436	436	436	436	436	123
175°	446	444	446	444	446	42
180°	446	446	446	446	446	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1330.6	1333.7	1338.7	1339.8	1349.9	1358.1	1367.2	1367.2	1370.3	1369.3	1361.1
5°	1324.5	1333.7	1346.9	1358.1	1376.4	1384.5	1396.7	1405.9	1414.0	1420.1	1419.1
7.5°	1314.3	1330.6	1349.9	1371.3	1395.7	1409.9	1427.2	1443.5	1454.7	1464.9	1472.0
10°	1297.0	1324.5	1350.9	1379.4	1411.0	1430.3	1450.6	1472.0	1489.3	1508.6	1526.9
12.5°	1273.6	1313.3	1345.9	1383.5	1422.2	1443.5	1476.1	1492.3	1525.9	1574.7	1588.0
15°	1244.1	1298.0	1328.6	1376.4	1427.2	1444.5	1489.3	1515.7	1584.9	1615.4	1652.1
17.5°	1216.7	1276.7	1317.4	1372.3	1422.2	1455.7	1499.5	1553.4	1611.4	1655.1	1695.8
20°	1194.3	1252.3	1301.1	1362.1	1425.2	1467.9	1513.7	1578.8	1641.9	1686.6	1718.2
22.5°	1143.4	1217.7	1274.7	1342.8	1419.1	1478.1	1521.8	1593.1	1661.2	1688.7	1716.1
25°	1118.0	1182.1	1248.2	1325.5	1415.0	1485.2	1522.9	1602.2	1662.2	1672.4	1678.5
27.5°	1071.2	1143.4	1220.7	1309.2	1414.0	1473.0	1520.8	1593.1	1640.9	1633.8	1615.4
30°	1013.2	1101.7	1187.2	1282.8	1399.8	1463.9	1508.6	1574.7	1599.2	1562.5	1530.0
32.5°	970.5	1053.9	1148.5	1259.4	1383.5	1444.5	1488.3	1540.2	1545.2	1479.1	1424.2
35°	912.5	1005.1	1111.9	1228.9	1356.0	1411.0	1451.7	1483.2	1458.8	1366.2	1301.1
37.5°	860.6	952.2	1066.1	1185.1	1318.4	1372.3	1404.9	1409.9	1349.9	1268.5	1172.9
40°	803.7	898.3	1017.3	1142.4	1276.7	1323.5	1343.8	1328.6	1242.1	1147.5	1036.6
42.5°	746.7	840.3	968.4	1096.6	1223.8	1263.5	1271.6	1229.9	1124.1	1013.2	885.0
45°	684.6	782.3	910.5	1039.7	1162.7	1185.1	1186.1	1126.1	1001.0	885.0	766.0
47.5°	633.8	724.3	851.5	980.7	1084.4	1099.7	1093.6	1024.4	888.1	757.9	654.1
50°	577.8	664.3	790.4	917.6	1006.1	1010.2	994.9	896.2	763.0	643.9	561.5
52.5°	517.8	605.3	721.3	843.3	922.7	916.6	887.1	781.3	656.1	557.5	494.4
55°	470.0	547.3	656.1	775.2	831.1	813.8	781.3	673.4	574.8	491.3	436.4
57.5°	417.1	485.2	592.1	695.8	728.4	712.1	679.5	578.8	487.3	424.2	387.6
60°	367.2	429.3	522.9	609.4	634.8	617.5	579.8	489.3	423.2	370.3	342.8
62.5°	321.5	375.4	453.7	533.1	543.2	525.9	493.4	420.1	363.2	321.5	301.1
65°	278.7	329.6	392.7	452.7	461.8	443.5	410.0	357.1	309.3	282.8	263.5
67.5°	237.0	277.7	333.7	377.4	382.5	365.2	337.7	295.0	265.5	237.0	222.8
70°	200.4	230.9	274.7	310.3	312.3	296.0	281.8	243.1	220.7	200.4	189.2
72.5°	164.8	186.2	219.7	246.2	247.2	237.0	223.8	199.4	180.1	165.8	154.6
75°	130.2	148.5	168.9	192.3	191.2	183.1	172.9	157.7	141.4	132.2	127.2
77.5°	99.7	110.9	127.2	142.4	142.4	138.3	132.2	121.1	110.9	101.7	96.6
80°	71.2	78.3	91.6	96.6	98.7	97.7	92.6	84.4	80.4	73.2	71.2
82.5°	45.8	50.9	57.0	62.1	65.1	63.1	62.1	58.0	51.9	49.8	47.8
85°	26.4	28.5	31.5	34.6	35.6	34.6	36.6	33.6	30.5	30.5	29.5
87.5°	11.2	12.2	14.2	14.2	15.3	15.3	14.2	15.3	15.3	14.2	13.2
90°	0.3	1.1	1.9	2.7	3.5	3.9	4.2	4.7	5.3	5.8	6.4
92.5°	8.1	7.8	7.5	7.2	6.9	6.8	6.9	7.1	7.3	7.5	7.7
95°	21.0	18.6	16.2	13.9	11.5	10.3	10.6	11.1	11.6	12.1	12.6
97.5°	37.7	31.8	26.0	20.1	14.2	11.3	11.9	13.0	14.1	15.3	16.4
100°	57.1	47.3	37.5	27.6	17.8	12.9	13.5	14.7	16.0	17.2	18.4
102.5°	78.3	78.2	78.0	77.9	77.8	77.7	71.2	58.1	45.1	32.0	19.0
105°	98.0	100.2	102.3	104.5	106.6	107.7	97.9	78.4	58.8	39.3	19.7
107.5°	120.9	122.7	124.5	126.3	128.1	129.0	116.9	92.8	68.6	44.5	20.3
110°	142.8	144.3	145.8	147.3	148.8	149.6	139.2	118.5	97.8	77.1	56.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	163.5	164.8	166.1	167.4	168.7	169.3	168.7	167.5	166.2	165.0	163.8
115°	185.4	186.6	187.8	189.1	190.3	190.9	191.8	193.6	195.3	197.1	198.9
117.5°	204.4	205.8	207.2	208.7	210.1	210.8	211.4	212.6	213.9	215.1	216.3
120°	225.7	226.8	227.8	228.9	230.0	230.5	231.1	232.4	233.7	235.0	236.3
122.5°	243.7	244.9	246.0	247.2	248.3	248.9	249.6	251.0	252.5	253.9	255.3
125°	262.1	263.0	264.0	264.9	265.8	266.3	267.0	268.3	269.7	271.0	272.4
127.5°	278.9	279.9	280.9	281.9	282.9	283.4	283.9	285.0	286.1	287.1	288.2
130°	294.7	295.8	297.0	298.1	299.2	299.8	300.2	301.0	301.8	302.6	303.4
132.5°	310.8	311.7	312.7	313.6	314.5	315.0	315.4	316.2	316.9	317.7	318.5
135°	324.3	325.5	326.6	327.8	328.9	329.5	329.8	330.5	331.1	331.8	332.4
137.5°	338.5	339.4	340.2	341.1	342.0	342.4	342.8	343.5	344.2	344.9	345.6
140°	352.4	353.0	353.6	354.1	354.7	355.0	355.4	356.2	356.9	357.7	358.5
142.5°	364.0	364.5	365.0	365.5	366.0	366.2	366.7	367.6	368.5	369.5	370.4
145°	376.2	376.1	376.1	376.0	375.9	375.9	376.5	377.7	379.0	380.2	381.4
147.5°	386.9	386.7	386.5	386.2	386.0	385.9	386.5	387.7	389.0	390.2	391.4
150°	397.2	396.7	396.2	395.7	395.2	394.9	395.5	396.6	397.8	398.9	400.1
152.5°	405.9	405.3	404.7	404.2	403.6	403.3	403.8	404.9	406.0	407.1	408.2
155°	414.3	413.7	413.0	412.4	411.7	411.4	411.8	412.7	413.6	414.4	415.3
157.5°	421.1	420.5	419.9	419.4	418.8	418.5	418.8	419.5	420.1	420.8	421.4
160°	426.9	426.5	426.0	425.6	425.1	424.9	425.1	425.6	426.0	426.5	426.9
162.5°	432.0	431.6	431.2	430.7	430.3	430.1	430.3	430.6	431.0	431.3	431.7
165°	436.5	436.1	435.7	435.2	434.8	434.6	434.7	434.9	435.2	435.4	435.6
167.5°	440.1	439.7	439.2	438.8	438.3	438.1	438.2	438.4	438.7	438.9	439.1
170°	443.0	442.6	442.1	441.7	441.2	441.0	441.1	441.2	441.4	441.5	441.7
172.5°	444.9	444.5	444.1	443.6	443.2	443.0	443.1	443.2	443.3	443.5	443.6
175°	446.5	446.0	445.5	445.0	444.5	444.3	444.4	444.5	444.6	444.8	444.9
177.5°	447.2	446.7	446.2	445.7	445.2	444.9	444.9	445.0	445.1	445.1	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1375.4	1376.4	1378.4	1388.6	1393.7	1394.7	1390.6	1399.8	1402.8	1399.8	1397.7
5°	1440.5	1446.6	1458.8	1472.0	1471.0	1472.0	1478.1	1484.2	1486.2	1478.1	1481.2
7.5°	1497.4	1509.6	1522.9	1543.2	1543.2	1553.4	1557.5	1562.5	1574.7	1568.6	1566.6
10°	1562.5	1578.8	1603.2	1635.8	1636.8	1647.0	1657.1	1673.4	1678.5	1674.4	1676.5
12.5°	1643.9	1675.5	1677.5	1713.1	1729.4	1731.4	1747.7	1744.6	1754.8	1754.8	1772.1
15°	1679.5	1728.4	1755.8	1790.4	1800.6	1788.4	1801.6	1815.8	1816.9	1816.9	1815.8
17.5°	1743.6	1762.9	1790.4	1808.7	1812.8	1812.8	1813.8	1819.9	1815.8	1807.7	1813.8
20°	1756.8	1765.0	1775.2	1773.1	1775.2	1765.0	1754.8	1744.6	1745.7	1740.6	1755.8
22.5°	1732.4	1730.4	1707.0	1691.7	1691.7	1671.4	1652.1	1642.9	1633.8	1636.8	1641.9
25°	1671.4	1639.9	1611.4	1589.0	1583.9	1551.4	1524.9	1516.8	1501.5	1513.7	1515.7
27.5°	1573.7	1538.1	1492.3	1473.0	1446.6	1433.3	1415.0	1390.6	1359.1	1377.4	1374.3
30°	1469.0	1416.1	1378.4	1331.6	1289.9	1286.9	1252.3	1211.6	1195.3	1195.3	1204.5
32.5°	1352.0	1281.8	1226.8	1160.7	1120.0	1102.7	1061.0	1020.3	1029.5	999.0	1010.2
35°	1215.6	1123.1	1053.9	989.8	959.3	938.9	885.0	862.7	838.2	824.0	850.4
37.5°	1085.4	978.6	890.1	819.9	808.7	772.1	735.5	721.3	707.0	713.1	712.1
40°	926.7	832.1	752.8	697.9	678.5	661.2	636.8	619.5	610.4	615.5	616.5
42.5°	783.3	704.0	645.0	606.3	590.0	577.8	565.6	551.4	548.3	548.3	552.4
45°	672.4	607.3	567.6	536.1	527.0	517.8	508.6	502.5	500.5	496.4	499.5
47.5°	583.9	532.0	507.6	484.2	474.1	472.0	463.9	460.8	456.8	455.7	456.8
50°	509.7	477.1	454.7	441.5	434.4	431.3	427.3	421.2	419.1	424.2	422.2
52.5°	457.8	427.3	415.0	401.8	397.8	393.7	387.6	388.6	387.6	385.5	385.5
55°	405.9	386.6	374.4	364.2	363.2	359.1	354.0	352.0	351.0	348.9	352.0
57.5°	364.2	348.9	337.7	328.6	324.5	324.5	319.4	315.4	315.4	314.3	315.4
60°	322.5	307.2	300.1	290.9	287.9	286.9	283.8	281.8	278.7	278.7	278.7
62.5°	283.8	271.6	263.5	255.3	256.4	251.3	247.2	245.2	245.2	246.2	246.2
65°	247.2	239.1	228.9	221.8	219.7	218.7	216.7	215.7	212.6	214.6	214.6
67.5°	213.6	202.4	196.3	193.3	190.2	189.2	187.2	185.1	184.1	183.1	185.1
70°	180.1	170.9	165.8	163.8	160.7	159.7	158.7	155.6	156.7	157.7	158.7
72.5°	149.5	141.4	140.4	134.3	134.3	134.3	130.2	132.2	131.2	129.2	131.2
75°	118.0	113.9	111.9	108.8	109.9	108.8	107.8	104.8	104.8	105.8	106.8
77.5°	93.6	89.5	88.5	85.5	83.4	85.5	83.4	82.4	82.4	83.4	83.4
80°	69.2	67.1	64.1	64.1	64.1	63.1	63.1	63.1	62.1	61.0	62.1
82.5°	45.8	45.8	44.8	43.7	44.8	42.7	43.7	43.7	43.7	43.7	43.7
85°	29.5	28.5	28.5	27.5	27.5	27.5	28.5	26.4	26.4	27.5	27.5
87.5°	13.2	13.2	13.2	14.2	13.2	13.2	13.2	14.2	13.2	13.2	13.2
90°	6.8	7.2	7.5	7.9	8.1	8.2	8.3	8.4	8.6	8.7	8.6
92.5°	7.9	8.0	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.6
95°	13.0	13.3	13.7	14.0	14.2	14.2	14.1	14.0	14.0	13.9	14.0
97.5°	16.6	16.8	17.1	17.3	17.4	17.4	17.5	17.6	17.6	17.7	17.6
100°	19.0	19.6	20.1	20.7	21.0	21.1	21.2	21.3	21.5	21.6	21.5
102.5°	19.8	20.6	21.4	22.2	22.6	22.7	22.9	23.1	23.3	23.5	23.3
105°	20.5	21.3	22.0	22.8	23.2	23.3	23.6	23.9	24.2	24.5	24.2
107.5°	21.1	21.9	22.7	23.5	23.9	24.0	24.3	24.6	24.8	25.1	24.8
110°	49.2	42.1	34.9	27.8	24.2	24.3	24.6	24.9	25.2	25.5	25.2

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	132.9	102.0	71.1	40.2	24.8	24.9	25.1	25.4	25.6	25.8	25.6
115°	165.7	132.5	99.4	66.2	49.6	47.0	41.9	36.7	31.6	26.4	31.6
117.5°	206.1	195.8	185.6	175.3	170.2	160.8	142.1	123.3	104.6	85.8	104.6
120°	237.2	238.0	238.9	239.8	240.2	235.4	225.7	216.0	206.4	196.7	206.4
122.5°	255.7	256.2	256.6	257.1	257.3	257.3	257.4	257.5	257.5	257.6	257.5
125°	272.9	273.4	273.9	274.4	274.7	274.8	275.0	275.3	275.5	275.7	275.5
127.5°	288.9	289.6	290.3	291.0	291.4	291.4	291.5	291.6	291.7	291.8	291.7
130°	304.2	305.0	305.7	306.5	306.9	306.9	306.8	306.7	306.7	306.6	306.7
132.5°	319.1	319.8	320.4	321.1	321.4	321.4	321.3	321.2	321.2	321.1	321.2
135°	333.1	333.8	334.5	335.2	335.6	335.5	335.4	335.3	335.1	335.0	335.1
137.5°	346.3	347.0	347.7	348.4	348.8	348.7	348.5	348.3	348.1	347.9	348.1
140°	359.1	359.8	360.4	361.1	361.4	361.2	360.9	360.5	360.2	359.8	360.2
142.5°	371.0	371.6	372.1	372.7	373.0	372.8	372.5	372.1	371.8	371.4	371.8
145°	381.9	382.4	382.9	383.4	383.7	383.5	383.1	382.8	382.4	382.0	382.4
147.5°	391.8	392.1	392.5	392.8	393.0	392.9	392.6	392.3	392.0	391.7	392.0
150°	400.5	400.9	401.4	401.8	402.0	401.8	401.5	401.1	400.8	400.4	400.8
152.5°	408.6	409.0	409.5	409.9	410.1	409.8	409.3	408.8	408.3	407.8	408.3
155°	415.7	416.1	416.6	417.0	417.2	416.9	416.3	415.8	415.2	414.6	415.2
157.5°	421.9	422.4	422.9	423.4	423.6	423.3	422.8	422.2	421.7	421.1	421.7
160°	427.3	427.7	428.2	428.6	428.8	428.5	428.0	427.5	427.0	426.5	427.0
162.5°	432.2	432.7	433.2	433.7	434.0	433.7	433.0	432.3	431.7	431.0	431.7
165°	436.1	436.6	437.1	437.6	437.8	437.6	437.1	436.6	436.1	435.6	436.1
167.5°	439.6	440.1	440.6	441.1	441.4	441.1	440.4	439.8	439.1	438.5	439.1
170°	442.2	442.7	443.2	443.7	443.9	443.6	442.9	442.3	441.6	441.0	441.6
172.5°	444.1	444.6	445.1	445.6	445.9	445.6	444.9	444.3	443.6	443.0	443.6
175°	445.4	445.9	446.4	446.9	447.2	446.8	446.1	445.4	444.6	443.9	444.6
177.5°	445.7	446.2	446.7	447.2	447.5	447.2	446.5	445.9	445.2	444.6	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1402.8	1395.7	1389.6	1390.6	1395.7	1391.6	1381.5	1368.2	1363.2	1357.1	1363.2
5°	1487.3	1481.2	1469.0	1470.0	1466.9	1462.8	1446.6	1426.2	1426.2	1409.9	1407.9
7.5°	1570.7	1561.5	1553.4	1551.4	1540.2	1532.0	1517.8	1489.3	1478.1	1458.8	1447.6
10°	1664.3	1657.1	1648.0	1636.8	1630.7	1616.5	1593.1	1551.4	1531.0	1504.6	1485.2
12.5°	1758.9	1757.9	1737.5	1715.1	1714.1	1691.7	1675.5	1619.5	1592.0	1556.4	1510.7
15°	1818.9	1813.8	1802.6	1791.4	1794.5	1770.1	1733.4	1667.3	1649.0	1606.3	1557.5
17.5°	1817.9	1817.9	1814.8	1812.8	1809.7	1802.6	1782.3	1738.5	1709.0	1655.1	1609.3
20°	1759.9	1773.1	1776.2	1775.2	1785.3	1790.4	1789.4	1761.9	1738.5	1690.7	1643.9
22.5°	1643.9	1674.4	1687.7	1695.8	1717.2	1728.4	1754.8	1744.6	1738.5	1702.9	1663.3
25°	1536.1	1546.3	1585.9	1588.0	1617.5	1644.9	1671.4	1688.7	1711.1	1697.8	1664.3
27.5°	1396.7	1420.1	1448.6	1470.0	1476.1	1532.0	1575.8	1608.3	1659.2	1663.3	1652.1
30°	1239.0	1250.2	1297.0	1325.5	1358.1	1398.8	1461.8	1517.8	1563.6	1605.3	1619.5
32.5°	1046.8	1092.6	1120.0	1154.6	1183.1	1255.3	1332.6	1404.9	1457.8	1528.0	1558.5
35°	870.8	906.4	953.2	967.4	1019.3	1080.4	1181.1	1273.6	1354.0	1425.2	1487.3
37.5°	725.3	753.8	803.7	826.0	856.5	934.9	1019.3	1134.3	1230.9	1318.4	1395.7
40°	625.6	647.0	684.6	691.7	717.2	788.4	856.5	964.4	1092.6	1210.6	1295.0
42.5°	557.5	567.6	593.1	602.2	618.5	666.3	727.4	829.1	948.1	1070.2	1189.2
45°	508.6	515.8	531.0	539.2	559.5	580.9	630.7	712.1	805.7	928.8	1057.0
47.5°	464.9	474.1	480.2	485.2	496.4	519.8	552.4	612.4	701.9	814.8	938.9
50°	428.3	431.3	442.5	443.5	450.7	465.9	496.4	533.1	604.3	695.8	815.9
52.5°	391.7	394.7	401.8	408.9	412.0	424.2	444.6	475.1	528.0	600.2	707.0
55°	355.0	359.1	366.2	371.3	374.4	384.5	396.7	426.2	467.9	518.8	606.3
57.5°	318.4	327.6	329.6	332.7	337.7	348.9	360.1	377.4	410.0	456.8	520.8
60°	283.8	286.9	294.0	297.0	302.1	308.2	322.5	335.7	359.1	395.7	453.7
62.5°	248.2	255.3	258.4	261.4	265.5	272.6	281.8	296.0	316.4	345.9	391.7
65°	217.7	218.7	224.8	228.9	233.0	238.0	247.2	260.4	272.6	300.1	333.7
67.5°	188.2	190.2	192.3	196.3	201.4	206.5	214.6	221.8	237.0	255.3	281.8
70°	159.7	159.7	164.8	167.9	166.8	172.9	179.0	187.2	198.4	215.7	237.0
72.5°	134.3	133.3	137.3	138.3	140.4	144.5	148.5	156.7	162.8	176.0	192.3
75°	106.8	108.8	110.9	110.9	113.9	117.0	121.1	125.1	132.2	140.4	152.6
77.5°	84.4	84.4	86.5	87.5	90.5	89.5	93.6	97.7	102.7	109.9	119.0
80°	62.1	64.1	64.1	64.1	65.1	66.1	70.2	73.2	76.3	81.4	85.5
82.5°	43.7	43.7	45.8	45.8	45.8	47.8	47.8	48.8	50.9	53.9	57.0
85°	27.5	27.5	27.5	28.5	27.5	28.5	30.5	29.5	30.5	32.6	32.6
87.5°	13.2	13.2	13.2	13.2	13.2	14.2	13.2	14.2	15.3	15.3	15.3
90°	8.4	8.3	8.2	8.1	7.9	7.5	7.2	6.8	6.4	5.8	5.3
92.5°	8.6	8.5	8.4	8.4	8.3	8.2	8.0	7.9	7.7	7.5	7.3
95°	14.0	14.1	14.2	14.2	14.0	13.7	13.3	13.0	12.6	12.1	11.6
97.5°	17.6	17.5	17.4	17.4	17.3	17.1	16.8	16.6	16.4	15.3	14.1
100°	21.3	21.2	21.1	21.0	20.7	20.1	19.6	19.0	18.4	17.2	16.0
102.5°	23.1	22.9	22.7	22.6	22.2	21.4	20.6	19.8	19.0	32.0	45.1
105°	23.9	23.6	23.3	23.2	22.8	22.0	21.3	20.5	19.7	39.3	58.8
107.5°	24.6	24.3	24.0	23.9	23.5	22.7	21.9	21.1	20.3	44.5	68.6
110°	24.9	24.6	24.3	24.2	27.8	34.9	42.1	49.2	56.4	77.1	97.8

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	25.4	25.1	24.9	24.8	40.2	71.1	102.0	132.9	163.8	165.0	166.2
115°	36.7	41.9	47.0	49.6	66.2	99.4	132.5	165.7	198.9	197.1	195.3
117.5°	123.3	142.1	160.8	170.2	175.3	185.6	195.8	206.1	216.3	215.1	213.9
120°	216.0	225.7	235.4	240.2	239.8	238.9	238.0	237.2	236.3	235.0	233.7
122.5°	257.5	257.4	257.3	257.3	257.1	256.6	256.2	255.7	255.3	253.9	252.5
125°	275.3	275.0	274.8	274.7	274.4	273.9	273.4	272.9	272.4	271.0	269.7
127.5°	291.6	291.5	291.4	291.4	291.0	290.3	289.6	288.9	288.2	287.1	286.1
130°	306.7	306.8	306.9	306.9	306.5	305.7	305.0	304.2	303.4	302.6	301.8
132.5°	321.2	321.3	321.4	321.4	321.1	320.4	319.8	319.1	318.5	317.7	316.9
135°	335.3	335.4	335.5	335.6	335.2	334.5	333.8	333.1	332.4	331.8	331.1
137.5°	348.3	348.5	348.7	348.8	348.4	347.7	347.0	346.3	345.6	344.9	344.2
140°	360.5	360.9	361.2	361.4	361.1	360.4	359.8	359.1	358.5	357.7	356.9
142.5°	372.1	372.5	372.8	373.0	372.7	372.1	371.6	371.0	370.4	369.5	368.5
145°	382.8	383.1	383.5	383.7	383.4	382.9	382.4	381.9	381.4	380.2	379.0
147.5°	392.3	392.6	392.9	393.0	392.8	392.5	392.1	391.8	391.4	390.2	389.0
150°	401.1	401.5	401.8	402.0	401.8	401.4	400.9	400.5	400.1	398.9	397.8
152.5°	408.8	409.3	409.8	410.1	409.9	409.5	409.0	408.6	408.2	407.1	406.0
155°	415.8	416.3	416.9	417.2	417.0	416.6	416.1	415.7	415.3	414.4	413.6
157.5°	422.2	422.8	423.3	423.6	423.4	422.9	422.4	421.9	421.4	420.8	420.1
160°	427.5	428.0	428.5	428.8	428.6	428.2	427.7	427.3	426.9	426.5	426.0
162.5°	432.3	433.0	433.7	434.0	433.7	433.2	432.7	432.2	431.7	431.3	431.0
165°	436.6	437.1	437.6	437.8	437.6	437.1	436.6	436.1	435.6	435.4	435.2
167.5°	439.8	440.4	441.1	441.4	441.1	440.6	440.1	439.6	439.1	438.9	438.7
170°	442.3	442.9	443.6	443.9	443.7	443.2	442.7	442.2	441.7	441.5	441.4
172.5°	444.3	444.9	445.6	445.9	445.6	445.1	444.6	444.1	443.6	443.5	443.3
175°	445.4	446.1	446.8	447.2	446.9	446.4	445.9	445.4	444.9	444.8	444.6
177.5°	445.9	446.5	447.2	447.5	447.2	446.7	446.2	445.7	445.2	445.1	445.1
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1358.1	1353.0	1349.9	1352.0	1345.9	1330.6	1330.6	1335.7	1329.6	1323.5	1314.3
5°	1395.7	1385.5	1379.4	1378.4	1364.2	1339.8	1334.7	1329.6	1316.4	1302.1	1286.9
7.5°	1432.3	1414.0	1403.8	1396.7	1376.4	1344.8	1331.6	1320.4	1299.1	1277.7	1258.4
10°	1462.8	1436.4	1424.2	1413.0	1386.6	1346.9	1325.5	1305.2	1277.7	1250.2	1225.8
12.5°	1487.3	1456.7	1441.5	1425.2	1392.7	1340.8	1314.3	1281.8	1254.3	1217.7	1193.3
15°	1528.0	1464.9	1450.6	1435.4	1401.8	1330.6	1298.0	1261.4	1223.8	1175.0	1148.5
17.5°	1560.5	1476.1	1475.1	1442.5	1398.8	1326.5	1276.7	1228.9	1188.2	1139.4	1097.6
20°	1579.8	1493.4	1477.1	1443.5	1388.6	1299.1	1247.2	1194.3	1150.5	1091.5	1049.8
22.5°	1596.1	1517.8	1475.1	1434.4	1367.2	1289.9	1213.6	1163.8	1103.7	1039.7	1000.0
25°	1602.2	1522.9	1478.1	1431.3	1352.0	1263.5	1177.0	1123.1	1055.9	998.0	944.0
27.5°	1603.2	1521.8	1466.9	1418.1	1330.6	1228.9	1140.4	1083.4	1009.1	942.0	888.1
30°	1593.1	1510.7	1460.8	1407.9	1310.3	1197.3	1095.6	1032.5	953.2	886.1	830.1
32.5°	1562.5	1488.3	1447.6	1389.6	1283.8	1153.6	1052.9	982.7	899.3	833.2	779.2
35°	1511.7	1460.8	1416.1	1362.1	1249.2	1112.9	1010.2	927.8	843.3	780.3	729.4
37.5°	1448.6	1421.1	1379.4	1326.5	1209.5	1076.3	962.3	870.8	786.4	725.3	675.5
40°	1363.2	1370.3	1329.6	1281.8	1162.7	1026.4	900.3	812.8	733.5	676.5	627.7
42.5°	1270.6	1300.1	1276.7	1230.9	1110.9	971.5	854.5	757.9	680.6	621.6	580.9
45°	1170.9	1221.8	1207.5	1173.9	1057.0	913.5	789.4	695.8	627.7	570.7	535.1
47.5°	1062.0	1134.3	1134.3	1109.9	996.9	855.5	733.5	637.8	570.7	530.0	495.4
50°	951.2	1032.5	1045.8	1029.5	929.8	789.4	665.3	578.8	520.8	481.2	455.7
52.5°	835.2	929.8	954.2	946.1	858.6	726.3	609.4	524.9	472.0	437.4	415.0
55°	724.3	834.2	860.6	863.7	782.3	657.2	547.3	473.0	422.2	398.8	379.4
57.5°	619.5	725.3	754.8	759.9	705.0	594.1	489.3	424.2	378.4	359.1	343.8
60°	530.0	618.5	657.2	668.4	620.5	520.8	435.4	372.3	337.7	319.4	305.2
62.5°	456.8	528.0	568.7	571.7	550.3	456.8	379.4	326.5	297.0	280.8	273.6
65°	385.5	449.6	474.1	486.3	469.0	395.7	327.6	283.8	260.4	246.2	239.1
67.5°	328.6	369.3	389.6	405.9	388.6	333.7	278.7	243.1	225.8	211.6	207.5
70°	269.6	303.1	318.4	334.7	319.4	277.7	238.0	205.5	190.2	179.0	174.0
72.5°	215.7	242.1	256.4	266.5	257.4	222.8	190.2	167.9	156.7	148.5	145.5
75°	170.9	189.2	197.4	204.5	200.4	174.0	153.6	135.3	125.1	118.0	116.0
77.5°	130.2	143.4	152.6	154.6	149.5	132.2	115.0	103.8	95.6	91.6	89.5
80°	92.6	100.7	105.8	108.8	103.8	96.6	84.4	76.3	69.2	64.1	63.1
82.5°	62.1	66.1	70.2	69.2	67.1	61.0	53.9	49.8	46.8	42.7	42.7
85°	35.6	36.6	38.7	39.7	38.7	34.6	30.5	28.5	26.4	23.4	23.4
87.5°	15.3	16.3	16.3	17.3	15.3	15.3	13.2	11.2	11.2	10.2	9.2
90°	4.7	4.2	3.9	3.5	2.7	1.9	1.1	0.3	1.1	1.9	2.7
92.5°	7.1	6.9	6.8	6.9	7.2	7.5	7.8	8.1	7.8	7.5	7.2
95°	11.1	10.6	10.3	11.5	13.9	16.2	18.6	21.0	18.6	16.2	13.9
97.5°	13.0	11.9	11.3	14.2	20.1	26.0	31.8	37.7	31.8	26.0	20.1
100°	14.7	13.5	12.9	17.8	27.6	37.5	47.3	57.1	47.3	37.5	27.6
102.5°	58.1	71.2	77.7	77.8	77.9	78.0	78.2	78.3	78.2	78.0	77.9
105°	78.4	97.9	107.7	106.6	104.5	102.3	100.2	98.0	100.2	102.3	104.5
107.5°	92.8	116.9	129.0	128.1	126.3	124.5	122.7	120.9	122.7	124.5	126.3
110°	118.5	139.2	149.6	148.8	147.3	145.8	144.3	142.8	144.3	145.8	147.3



TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	167.5	168.7	169.3	168.7	167.4	166.1	164.8	163.5	164.8	166.1	167.4
115°	193.6	191.8	190.9	190.3	189.1	187.8	186.6	185.4	186.6	187.8	189.1
117.5°	212.6	211.4	210.8	210.1	208.7	207.2	205.8	204.4	205.8	207.2	208.7
120°	232.4	231.1	230.5	230.0	228.9	227.8	226.8	225.7	226.8	227.8	228.9
122.5°	251.0	249.6	248.9	248.3	247.2	246.0	244.9	243.7	244.9	246.0	247.2
125°	268.3	267.0	266.3	265.8	264.9	264.0	263.0	262.1	263.0	264.0	264.9
127.5°	285.0	283.9	283.4	282.9	281.9	280.9	279.9	278.9	279.9	280.9	281.9
130°	301.0	300.2	299.8	299.2	298.1	297.0	295.8	294.7	295.8	297.0	298.1
132.5°	316.2	315.4	315.0	314.5	313.6	312.7	311.7	310.8	311.7	312.7	313.6
135°	330.5	329.8	329.5	328.9	327.8	326.6	325.5	324.3	325.5	326.6	327.8
137.5°	343.5	342.8	342.4	342.0	341.1	340.2	339.4	338.5	339.4	340.2	341.1
140°	356.2	355.4	355.0	354.7	354.1	353.6	353.0	352.4	353.0	353.6	354.1
142.5°	367.6	366.7	366.2	366.0	365.5	365.0	364.5	364.0	364.5	365.0	365.5
145°	377.7	376.5	375.9	375.9	376.0	376.1	376.1	376.2	376.1	376.1	376.0
147.5°	387.7	386.5	385.9	386.0	386.2	386.5	386.7	386.9	386.7	386.5	386.2
150°	396.6	395.5	394.9	395.2	395.7	396.2	396.7	397.2	396.7	396.2	395.7
152.5°	404.9	403.8	403.3	403.6	404.2	404.7	405.3	405.9	405.3	404.7	404.2
155°	412.7	411.8	411.4	411.7	412.4	413.0	413.7	414.3	413.7	413.0	412.4
157.5°	419.5	418.8	418.5	418.8	419.4	419.9	420.5	421.1	420.5	419.9	419.4
160°	425.6	425.1	424.9	425.1	425.6	426.0	426.5	426.9	426.5	426.0	425.6
162.5°	430.6	430.3	430.1	430.3	430.7	431.2	431.6	432.0	431.6	431.2	430.7
165°	434.9	434.7	434.6	434.8	435.2	435.7	436.1	436.5	436.1	435.7	435.2
167.5°	438.4	438.2	438.1	438.3	438.8	439.2	439.7	440.1	439.7	439.2	438.8
170°	441.2	441.1	441.0	441.2	441.7	442.1	442.6	443.0	442.6	442.1	441.7
172.5°	443.2	443.1	443.0	443.2	443.6	444.1	444.5	444.9	444.5	444.1	443.6
175°	444.5	444.4	444.3	444.5	445.0	445.5	446.0	446.5	446.0	445.5	445.0
177.5°	445.0	444.9	444.9	445.2	445.7	446.2	446.7	447.2	446.7	446.2	445.7
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1309.2	1314.3	1313.3	1303.1	1291.9	1282.8	1265.5	1267.5	1261.4	1262.4	1268.5
5°	1276.7	1276.7	1272.6	1258.4	1240.1	1229.9	1210.6	1205.5	1193.3	1192.3	1191.2
7.5°	1242.1	1237.0	1231.9	1211.6	1189.2	1172.9	1146.5	1140.4	1128.2	1120.0	1116.0
10°	1201.4	1194.3	1184.1	1160.7	1133.2	1112.9	1085.4	1077.3	1053.9	1043.7	1037.6
12.5°	1156.6	1152.6	1136.3	1117.0	1072.2	1049.8	1010.2	1018.3	994.9	974.6	971.5
15°	1111.9	1096.6	1087.5	1055.9	1002.0	991.8	960.3	944.0	922.7	906.4	906.4
17.5°	1068.1	1044.7	1024.4	990.8	951.2	922.7	899.3	891.1	864.7	848.4	845.4
20°	1010.2	983.7	978.6	930.8	903.3	871.8	849.4	829.1	809.8	802.6	797.5
22.5°	955.2	924.7	916.6	875.9	848.4	816.9	794.5	780.3	766.0	760.9	751.8
25°	896.2	877.9	865.7	822.0	791.4	761.9	746.7	736.5	723.3	722.3	716.2
27.5°	839.3	822.0	809.8	768.0	745.7	718.2	706.0	694.8	687.7	684.6	681.6
30°	790.4	771.1	756.9	726.3	698.9	676.5	666.3	659.2	655.1	650.0	649.0
32.5°	736.5	725.3	706.0	682.6	661.2	639.9	633.8	628.7	622.6	620.5	619.5
35°	690.7	675.5	663.3	636.8	627.7	609.4	602.2	598.2	590.0	588.0	586.0
37.5°	646.0	631.7	618.5	602.2	584.9	574.8	570.7	564.6	560.5	561.5	559.5
40°	601.2	590.0	579.8	562.6	552.4	547.3	539.2	533.1	531.0	532.0	531.0
42.5°	557.5	547.3	541.2	528.0	517.8	512.7	507.6	501.5	504.6	504.6	507.6
45°	517.8	508.6	504.6	494.4	488.3	480.2	475.1	474.1	478.1	477.1	477.1
47.5°	477.1	474.1	469.0	459.8	451.7	446.6	445.6	445.6	449.6	451.7	450.7
50°	445.6	439.5	433.4	426.2	420.1	418.1	415.0	417.1	421.2	421.2	423.2
52.5°	405.9	401.8	399.8	393.7	389.6	389.6	389.6	390.6	393.7	396.7	395.7
55°	371.3	368.3	366.2	363.2	358.1	359.1	358.1	360.1	363.2	366.2	368.3
57.5°	334.7	333.7	331.6	326.5	326.5	325.5	328.6	329.6	334.7	336.7	339.8
60°	302.1	299.1	299.1	295.0	295.0	295.0	298.1	301.1	305.2	306.2	308.2
62.5°	267.5	267.5	266.5	263.5	263.5	266.5	267.5	271.6	273.6	273.6	276.7
65°	235.0	234.0	233.0	234.0	235.0	235.0	238.0	240.1	242.1	243.1	244.1
67.5°	202.4	201.4	203.5	202.4	204.5	208.5	207.5	210.6	213.6	213.6	214.6
70°	171.9	174.0	172.9	175.0	174.0	176.0	179.0	180.1	180.1	181.1	184.1
72.5°	143.4	143.4	143.4	142.4	143.4	145.5	147.5	148.5	150.6	151.6	154.6
75°	116.0	116.0	113.9	116.0	116.0	118.0	120.0	120.0	120.0	122.1	125.1
77.5°	87.5	88.5	87.5	89.5	89.5	90.5	92.6	91.6	93.6	94.6	95.6
80°	64.1	63.1	63.1	63.1	64.1	64.1	66.1	67.1	67.1	70.2	68.2
82.5°	40.7	41.7	40.7	41.7	41.7	42.7	41.7	42.7	43.7	45.8	44.8
85°	23.4	22.4	22.4	23.4	22.4	22.4	23.4	22.4	23.4	22.4	23.4
87.5°	9.2	8.1	8.1	8.1	8.1	7.1	7.1	6.1	6.1	6.1	5.1
90°	3.5	3.9	4.2	4.7	5.3	5.8	6.4	6.8	7.2	7.5	7.9
92.5°	6.9	6.8	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.3
95°	11.5	10.3	10.6	11.1	11.6	12.1	12.6	13.0	13.3	13.7	14.0
97.5°	14.2	11.3	11.9	13.0	14.1	15.3	16.4	16.6	16.8	17.1	17.3
100°	17.8	12.9	13.5	14.7	16.0	17.2	18.4	19.0	19.6	20.1	20.7
102.5°	77.8	77.7	71.2	58.1	45.1	32.0	19.0	19.8	20.6	21.4	22.2
105°	106.6	107.7	97.9	78.4	58.8	39.3	19.7	20.5	21.3	22.0	22.8
107.5°	128.1	129.0	116.9	92.8	68.6	44.5	20.3	21.1	21.9	22.7	23.5
110°	148.8	149.6	139.2	118.5	97.8	77.1	56.4	49.2	42.1	34.9	27.8

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.7	169.3	168.7	167.5	166.2	165.0	163.8	132.9	102.0	71.1	40.2
115°	190.3	190.9	191.8	193.6	195.3	197.1	198.9	165.7	132.5	99.4	66.2
117.5°	210.1	210.8	211.4	212.6	213.9	215.1	216.3	206.1	195.8	185.6	175.3
120°	230.0	230.5	231.1	232.4	233.7	235.0	236.3	237.2	238.0	238.9	239.8
122.5°	248.3	248.9	249.6	251.0	252.5	253.9	255.3	255.7	256.2	256.6	257.1
125°	265.8	266.3	267.0	268.3	269.7	271.0	272.4	272.9	273.4	273.9	274.4
127.5°	282.9	283.4	283.9	285.0	286.1	287.1	288.2	288.9	289.6	290.3	291.0
130°	299.2	299.8	300.2	301.0	301.8	302.6	303.4	304.2	305.0	305.7	306.5
132.5°	314.5	315.0	315.4	316.2	316.9	317.7	318.5	319.1	319.8	320.4	321.1
135°	328.9	329.5	329.8	330.5	331.1	331.8	332.4	333.1	333.8	334.5	335.2
137.5°	342.0	342.4	342.8	343.5	344.2	344.9	345.6	346.3	347.0	347.7	348.4
140°	354.7	355.0	355.4	356.2	356.9	357.7	358.5	359.1	359.8	360.4	361.1
142.5°	366.0	366.2	366.7	367.6	368.5	369.5	370.4	371.0	371.6	372.1	372.7
145°	375.9	375.9	376.5	377.7	379.0	380.2	381.4	381.9	382.4	382.9	383.4
147.5°	386.0	385.9	386.5	387.7	389.0	390.2	391.4	391.8	392.1	392.5	392.8
150°	395.2	394.9	395.5	396.6	397.8	398.9	400.1	400.5	400.9	401.4	401.8
152.5°	403.6	403.3	403.8	404.9	406.0	407.1	408.2	408.6	409.0	409.5	409.9
155°	411.7	411.4	411.8	412.7	413.6	414.4	415.3	415.7	416.1	416.6	417.0
157.5°	418.8	418.5	418.8	419.5	420.1	420.8	421.4	421.9	422.4	422.9	423.4
160°	425.1	424.9	425.1	425.6	426.0	426.5	426.9	427.3	427.7	428.2	428.6
162.5°	430.3	430.1	430.3	430.6	431.0	431.3	431.7	432.2	432.7	433.2	433.7
165°	434.8	434.6	434.7	434.9	435.2	435.4	435.6	436.1	436.6	437.1	437.6
167.5°	438.3	438.1	438.2	438.4	438.7	438.9	439.1	439.6	440.1	440.6	441.1
170°	441.2	441.0	441.1	441.2	441.4	441.5	441.7	442.2	442.7	443.2	443.7
172.5°	443.2	443.0	443.1	443.2	443.3	443.5	443.6	444.1	444.6	445.1	445.6
175°	444.5	444.3	444.4	444.5	444.6	444.8	444.9	445.4	445.9	446.4	446.9
177.5°	445.2	444.9	444.9	445.0	445.1	445.1	445.2	445.7	446.2	446.7	447.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1261.4	1264.5	1257.4	1255.3	1257.4	1250.2	1252.3	1254.3	1254.3	1257.4	1259.4
5°	1188.2	1184.1	1177.0	1175.0	1172.9	1176.0	1173.9	1177.0	1178.0	1185.1	1186.1
7.5°	1116.0	1109.9	1103.7	1097.6	1095.6	1090.5	1095.6	1095.6	1102.7	1100.7	1105.8
10°	1030.5	1029.5	1021.3	1018.3	1014.2	1006.1	1017.3	1014.2	1019.3	1028.5	1030.5
12.5°	967.4	956.2	961.3	947.1	952.2	944.0	945.1	945.1	953.2	954.2	952.2
15°	907.4	898.3	885.0	878.9	875.9	871.8	885.0	886.1	879.9	894.2	889.1
17.5°	846.4	846.4	834.2	831.1	823.0	827.0	825.0	826.0	824.0	834.2	839.3
20°	793.5	788.4	784.3	785.3	775.2	773.1	771.1	773.1	780.3	787.4	789.4
22.5°	750.8	747.7	737.5	739.6	731.4	734.5	732.4	737.5	738.5	738.5	745.7
25°	710.1	706.0	707.0	702.9	699.9	699.9	696.8	699.9	704.0	706.0	707.0
27.5°	679.5	676.5	671.4	668.4	670.4	665.3	669.4	672.4	672.4	670.4	672.4
30°	642.9	645.0	645.0	634.8	638.9	636.8	639.9	641.9	641.9	642.9	640.9
32.5°	618.5	612.4	611.4	610.4	610.4	606.3	606.3	609.4	610.4	611.4	614.4
35°	586.0	586.0	580.9	583.9	579.8	580.9	579.8	580.9	582.9	579.8	582.9
37.5°	556.5	557.5	555.4	557.5	558.5	556.5	554.4	558.5	556.5	556.5	554.4
40°	531.0	530.0	531.0	531.0	531.0	532.0	530.0	530.0	530.0	528.0	525.9
42.5°	509.7	503.6	505.6	506.6	503.6	503.6	504.6	503.6	506.6	500.5	500.5
45°	479.1	477.1	478.1	478.1	480.2	477.1	479.1	480.2	477.1	476.1	474.1
47.5°	451.7	453.7	451.7	453.7	453.7	455.7	451.7	452.7	453.7	449.6	446.6
50°	424.2	424.2	427.3	426.2	427.3	425.2	425.2	424.2	425.2	423.2	420.1
52.5°	398.8	395.7	400.8	399.8	398.8	397.8	396.7	397.8	395.7	393.7	393.7
55°	367.2	367.2	370.3	371.3	371.3	369.3	367.2	368.3	367.2	366.2	365.2
57.5°	341.8	337.7	339.8	340.8	340.8	337.7	339.8	337.7	337.7	338.8	335.7
60°	309.3	309.3	307.2	310.3	310.3	308.2	308.2	309.3	307.2	306.2	305.2
62.5°	274.7	275.7	278.7	279.8	280.8	278.7	276.7	277.7	277.7	274.7	275.7
65°	245.2	247.2	251.3	250.3	248.2	249.2	247.2	248.2	245.2	246.2	243.1
67.5°	216.7	215.7	216.7	216.7	218.7	217.7	215.7	215.7	214.6	217.7	214.6
70°	186.2	186.2	186.2	186.2	187.2	188.2	186.2	184.1	185.1	183.1	182.1
72.5°	154.6	155.6	154.6	156.7	153.6	155.6	155.6	154.6	153.6	153.6	153.6
75°	125.1	127.2	124.1	125.1	124.1	126.1	125.1	125.1	123.1	122.1	123.1
77.5°	95.6	96.6	94.6	95.6	94.6	95.6	95.6	94.6	94.6	94.6	94.6
80°	68.2	69.2	68.2	67.1	66.1	68.2	66.1	67.1	68.2	67.1	69.2
82.5°	43.7	43.7	42.7	43.7	41.7	41.7	42.7	42.7	41.7	43.7	41.7
85°	21.4	21.4	23.4	21.4	20.3	20.3	20.3	21.4	20.3	22.4	21.4
87.5°	5.1	4.1	5.1	5.1	4.1	4.1	5.1	4.1	5.1	6.1	4.1
90°	8.1	8.2	8.3	8.4	8.6	8.7	8.6	8.4	8.3	8.2	8.1
92.5°	8.4	8.4	8.5	8.6	8.6	8.7	8.6	8.6	8.5	8.4	8.4
95°	14.2	14.2	14.1	14.0	14.0	13.9	14.0	14.0	14.1	14.2	14.2
97.5°	17.4	17.4	17.5	17.6	17.6	17.7	17.6	17.6	17.5	17.4	17.4
100°	21.0	21.1	21.2	21.3	21.5	21.6	21.5	21.3	21.2	21.1	21.0
102.5°	22.6	22.7	22.9	23.1	23.3	23.5	23.3	23.1	22.9	22.7	22.6
105°	23.2	23.3	23.6	23.9	24.2	24.5	24.2	23.9	23.6	23.3	23.2
107.5°	23.9	24.0	24.3	24.6	24.8	25.1	24.8	24.6	24.3	24.0	23.9
110°	24.2	24.3	24.6	24.9	25.2	25.5	25.2	24.9	24.6	24.3	24.2



TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	24.8	24.9	25.1	25.4	25.6	25.8	25.6	25.4	25.1	24.9	24.8
115°	49.6	47.0	41.9	36.7	31.6	26.4	31.6	36.7	41.9	47.0	49.6
117.5°	170.2	160.8	142.1	123.3	104.6	85.8	104.6	123.3	142.1	160.8	170.2
120°	240.2	235.4	225.7	216.0	206.4	196.7	206.4	216.0	225.7	235.4	240.2
122.5°	257.3	257.3	257.4	257.5	257.5	257.6	257.5	257.5	257.4	257.3	257.3
125°	274.7	274.8	275.0	275.3	275.5	275.7	275.5	275.3	275.0	274.8	274.7
127.5°	291.4	291.4	291.5	291.6	291.7	291.8	291.7	291.6	291.5	291.4	291.4
130°	306.9	306.9	306.8	306.7	306.7	306.6	306.7	306.7	306.8	306.9	306.9
132.5°	321.4	321.4	321.3	321.2	321.2	321.1	321.2	321.2	321.3	321.4	321.4
135°	335.6	335.5	335.4	335.3	335.1	335.0	335.1	335.3	335.4	335.5	335.6
137.5°	348.8	348.7	348.5	348.3	348.1	347.9	348.1	348.3	348.5	348.7	348.8
140°	361.4	361.2	360.9	360.5	360.2	359.8	360.2	360.5	360.9	361.2	361.4
142.5°	373.0	372.8	372.5	372.1	371.8	371.4	371.8	372.1	372.5	372.8	373.0
145°	383.7	383.5	383.1	382.8	382.4	382.0	382.4	382.8	383.1	383.5	383.7
147.5°	393.0	392.9	392.6	392.3	392.0	391.7	392.0	392.3	392.6	392.9	393.0
150°	402.0	401.8	401.5	401.1	400.8	400.4	400.8	401.1	401.5	401.8	402.0
152.5°	410.1	409.8	409.3	408.8	408.3	407.8	408.3	408.8	409.3	409.8	410.1
155°	417.2	416.9	416.3	415.8	415.2	414.6	415.2	415.8	416.3	416.9	417.2
157.5°	423.6	423.3	422.8	422.2	421.7	421.1	421.7	422.2	422.8	423.3	423.6
160°	428.8	428.5	428.0	427.5	427.0	426.5	427.0	427.5	428.0	428.5	428.8
162.5°	434.0	433.7	433.0	432.3	431.7	431.0	431.7	432.3	433.0	433.7	434.0
165°	437.8	437.6	437.1	436.6	436.1	435.6	436.1	436.6	437.1	437.6	437.8
167.5°	441.4	441.1	440.4	439.8	439.1	438.5	439.1	439.8	440.4	441.1	441.4
170°	443.9	443.6	442.9	442.3	441.6	441.0	441.6	442.3	442.9	443.6	443.9
172.5°	445.9	445.6	444.9	444.3	443.6	443.0	443.6	444.3	444.9	445.6	445.9
175°	447.2	446.8	446.1	445.4	444.6	443.9	444.6	445.4	446.1	446.8	447.2
177.5°	447.5	447.2	446.5	445.9	445.2	444.6	445.2	445.9	446.5	447.2	447.5
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1256.3	1264.5	1261.4	1250.2	1263.5	1263.5	1272.6	1272.6	1283.8	1287.9	1294.0
5°	1185.1	1191.2	1196.3	1191.2	1200.4	1214.6	1222.8	1229.9	1245.1	1251.3	1260.4
7.5°	1108.8	1120.0	1125.1	1125.1	1140.4	1156.6	1172.9	1183.1	1204.5	1212.6	1221.8
10°	1034.6	1047.8	1058.0	1057.0	1082.4	1092.6	1112.9	1136.3	1157.7	1169.9	1183.1
12.5°	956.2	963.4	977.6	998.0	1004.1	1022.4	1045.8	1075.3	1113.9	1125.1	1144.4
15°	891.1	910.5	921.7	930.8	945.1	962.3	987.8	1016.3	1054.9	1079.3	1099.7
17.5°	836.2	861.6	868.8	866.7	885.0	911.5	941.0	962.3	996.9	1026.4	1045.8
20°	791.4	801.6	813.8	818.9	833.2	861.6	890.1	914.5	943.0	966.4	988.8
22.5°	746.7	754.8	765.0	774.1	785.3	801.6	829.1	859.6	887.1	909.4	934.9
25°	710.1	715.1	724.3	731.4	743.6	754.8	774.1	807.7	840.3	853.5	875.9
27.5°	674.5	678.5	684.6	692.8	698.9	710.1	727.4	754.8	788.4	801.6	832.1
30°	642.9	646.0	652.1	656.1	659.2	672.4	685.6	707.0	732.4	750.8	773.1
32.5°	613.4	616.5	622.6	623.6	627.7	634.8	647.0	666.3	688.7	704.0	723.3
35°	580.9	582.9	589.0	591.0	594.1	600.2	609.4	623.6	643.9	655.1	672.4
37.5°	555.4	554.4	558.5	561.5	565.6	568.7	571.7	586.0	601.2	611.4	624.6
40°	528.0	525.9	527.0	531.0	533.1	537.1	537.1	551.4	561.5	569.7	579.8
42.5°	500.5	499.5	497.4	499.5	501.5	502.5	503.6	513.7	523.9	531.0	542.2
45°	473.0	472.0	470.0	471.0	471.0	473.0	476.1	480.2	487.3	493.4	499.5
47.5°	447.6	445.6	442.5	441.5	443.5	443.5	443.5	447.6	454.7	456.8	462.9
50°	421.2	418.1	414.0	412.0	412.0	411.0	413.0	414.0	420.1	422.2	427.3
52.5°	392.7	390.6	386.6	382.5	383.5	381.5	382.5	383.5	385.5	388.6	391.7
55°	364.2	360.1	357.1	356.0	353.0	353.0	349.9	354.0	353.0	354.0	358.1
57.5°	336.7	332.7	327.6	325.5	322.5	321.5	319.4	318.4	319.4	322.5	325.5
60°	304.2	302.1	299.1	296.0	294.0	290.9	288.9	288.9	287.9	287.9	288.9
62.5°	272.6	271.6	267.5	266.5	264.5	262.5	259.4	257.4	257.4	259.4	260.4
65°	242.1	241.1	238.0	237.0	231.9	229.9	228.9	227.9	225.8	225.8	225.8
67.5°	213.6	210.6	210.6	205.5	201.4	199.4	197.4	196.3	196.3	196.3	197.4
70°	182.1	182.1	179.0	176.0	171.9	172.9	169.9	166.8	166.8	164.8	165.8
72.5°	151.6	150.6	147.5	146.5	143.4	140.4	138.3	140.4	137.3	136.3	137.3
75°	122.1	121.1	119.0	117.0	118.0	115.0	111.9	110.9	110.9	108.8	108.8
77.5°	93.6	95.6	91.6	90.5	88.5	86.5	85.5	84.4	84.4	84.4	86.5
80°	65.1	66.1	66.1	64.1	65.1	62.1	62.1	62.1	59.0	60.0	61.0
82.5°	41.7	41.7	40.7	41.7	40.7	40.7	39.7	39.7	38.7	38.7	39.7
85°	23.4	22.4	21.4	23.4	22.4	22.4	21.4	21.4	21.4	21.4	21.4
87.5°	5.1	6.1	6.1	6.1	6.1	7.1	7.1	7.1	8.1	8.1	8.1
90°	7.9	7.5	7.2	6.8	6.4	5.8	5.3	4.7	4.2	3.9	3.5
92.5°	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.8	6.9
95°	14.0	13.7	13.3	13.0	12.6	12.1	11.6	11.1	10.6	10.3	11.5
97.5°	17.3	17.1	16.8	16.6	16.4	15.3	14.1	13.0	11.9	11.3	14.2
100°	20.7	20.1	19.6	19.0	18.4	17.2	16.0	14.7	13.5	12.9	17.8
102.5°	22.2	21.4	20.6	19.8	19.0	32.0	45.1	58.1	71.2	77.7	77.8
105°	22.8	22.0	21.3	20.5	19.7	39.3	58.8	78.4	97.9	107.7	106.6
107.5°	23.5	22.7	21.9	21.1	20.3	44.5	68.6	92.8	116.9	129.0	128.1
110°	27.8	34.9	42.1	49.2	56.4	77.1	97.8	118.5	139.2	149.6	148.8

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	40.2	71.1	102.0	132.9	163.8	165.0	166.2	167.5	168.7	169.3	168.7
115°	66.2	99.4	132.5	165.7	198.9	197.1	195.3	193.6	191.8	190.9	190.3
117.5°	175.3	185.6	195.8	206.1	216.3	215.1	213.9	212.6	211.4	210.8	210.1
120°	239.8	238.9	238.0	237.2	236.3	235.0	233.7	232.4	231.1	230.5	230.0
122.5°	257.1	256.6	256.2	255.7	255.3	253.9	252.5	251.0	249.6	248.9	248.3
125°	274.4	273.9	273.4	272.9	272.4	271.0	269.7	268.3	267.0	266.3	265.8
127.5°	291.0	290.3	289.6	288.9	288.2	287.1	286.1	285.0	283.9	283.4	282.9
130°	306.5	305.7	305.0	304.2	303.4	302.6	301.8	301.0	300.2	299.8	299.2
132.5°	321.1	320.4	319.8	319.1	318.5	317.7	316.9	316.2	315.4	315.0	314.5
135°	335.2	334.5	333.8	333.1	332.4	331.8	331.1	330.5	329.8	329.5	328.9
137.5°	348.4	347.7	347.0	346.3	345.6	344.9	344.2	343.5	342.8	342.4	342.0
140°	361.1	360.4	359.8	359.1	358.5	357.7	356.9	356.2	355.4	355.0	354.7
142.5°	372.7	372.1	371.6	371.0	370.4	369.5	368.5	367.6	366.7	366.2	366.0
145°	383.4	382.9	382.4	381.9	381.4	380.2	379.0	377.7	376.5	375.9	375.9
147.5°	392.8	392.5	392.1	391.8	391.4	390.2	389.0	387.7	386.5	385.9	386.0
150°	401.8	401.4	400.9	400.5	400.1	398.9	397.8	396.6	395.5	394.9	395.2
152.5°	409.9	409.5	409.0	408.6	408.2	407.1	406.0	404.9	403.8	403.3	403.6
155°	417.0	416.6	416.1	415.7	415.3	414.4	413.6	412.7	411.8	411.4	411.7
157.5°	423.4	422.9	422.4	421.9	421.4	420.8	420.1	419.5	418.8	418.5	418.8
160°	428.6	428.2	427.7	427.3	426.9	426.5	426.0	425.6	425.1	424.9	425.1
162.5°	433.7	433.2	432.7	432.2	431.7	431.3	431.0	430.6	430.3	430.1	430.3
165°	437.6	437.1	436.6	436.1	435.6	435.4	435.2	434.9	434.7	434.6	434.8
167.5°	441.1	440.6	440.1	439.6	439.1	438.9	438.7	438.4	438.2	438.1	438.3
170°	443.7	443.2	442.7	442.2	441.7	441.5	441.4	441.2	441.1	441.0	441.2
172.5°	445.6	445.1	444.6	444.1	443.6	443.5	443.3	443.2	443.1	443.0	443.2
175°	446.9	446.4	445.9	445.4	444.9	444.8	444.6	444.5	444.4	444.3	444.5
177.5°	447.2	446.7	446.2	445.7	445.2	445.1	445.1	445.0	444.9	444.9	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1323.5	1323.5	1323.5	1323.5
2.5°	1299.1	1299.1	1314.3	1330.6
5°	1270.6	1277.7	1302.1	1324.5
7.5°	1243.1	1255.3	1285.8	1314.3
10°	1209.5	1225.8	1263.5	1297.0
12.5°	1177.0	1192.3	1236.0	1273.6
15°	1131.2	1150.5	1197.3	1244.1
17.5°	1085.4	1104.8	1161.7	1216.7
20°	1031.5	1057.0	1121.0	1194.3
22.5°	981.7	1013.2	1084.4	1143.4
25°	926.7	975.6	1041.7	1118.0
27.5°	877.9	926.7	993.9	1071.2
30°	823.0	872.8	942.0	1013.2
32.5°	770.1	815.9	883.0	970.5
35°	715.1	758.9	824.0	912.5
37.5°	665.3	708.0	779.2	860.6
40°	616.5	661.2	722.3	803.7
42.5°	570.7	610.4	665.3	746.7
45°	529.0	557.5	608.3	684.6
47.5°	485.2	510.7	557.5	633.8
50°	444.6	465.9	506.6	577.8
52.5°	404.9	423.2	460.8	517.8
55°	369.3	386.6	414.0	470.0
57.5°	332.7	345.9	372.3	417.1
60°	297.0	309.3	330.6	367.2
62.5°	261.4	271.6	292.0	321.5
65°	229.9	238.0	253.3	278.7
67.5°	199.4	204.5	216.7	237.0
70°	169.9	174.0	184.1	200.4
72.5°	138.3	142.4	153.6	164.8
75°	111.9	112.9	121.1	130.2
77.5°	87.5	86.5	92.6	99.7
80°	60.0	63.1	68.2	71.2
82.5°	40.7	41.7	43.7	45.8
85°	22.4	23.4	23.4	26.4
87.5°	9.2	10.2	10.2	11.2
90°	2.7	1.9	1.1	0.3
92.5°	7.2	7.5	7.8	8.1
95°	13.9	16.2	18.6	21.0
97.5°	20.1	26.0	31.8	37.7
100°	27.6	37.5	47.3	57.1
102.5°	77.9	78.0	78.2	78.3
105°	104.5	102.3	100.2	98.0
107.5°	126.3	124.5	122.7	120.9
110°	147.3	145.8	144.3	142.8

TEST NUMBER: P1008159

CATALOG NUMBER: S122DIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	167.4	166.1	164.8	163.5
115°	189.1	187.8	186.6	185.4
117.5°	208.7	207.2	205.8	204.4
120°	228.9	227.8	226.8	225.7
122.5°	247.2	246.0	244.9	243.7
125°	264.9	264.0	263.0	262.1
127.5°	281.9	280.9	279.9	278.9
130°	298.1	297.0	295.8	294.7
132.5°	313.6	312.7	311.7	310.8
135°	327.8	326.6	325.5	324.3
137.5°	341.1	340.2	339.4	338.5
140°	354.1	353.6	353.0	352.4
142.5°	365.5	365.0	364.5	364.0
145°	376.0	376.1	376.1	376.2
147.5°	386.2	386.5	386.7	386.9
150°	395.7	396.2	396.7	397.2
152.5°	404.2	404.7	405.3	405.9
155°	412.4	413.0	413.7	414.3
157.5°	419.4	419.9	420.5	421.1
160°	425.6	426.0	426.5	426.9
162.5°	430.7	431.2	431.6	432.0
165°	435.2	435.7	436.1	436.5
167.5°	438.8	439.2	439.7	440.1
170°	441.7	442.1	442.6	443.0
172.5°	443.6	444.1	444.5	444.9
175°	445.0	445.5	446.0	446.5
177.5°	445.7	446.2	446.7	447.2
180°	445.6	445.6	445.6	445.6

(END OF REPORT)