

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: P1029655

Luminaire Tested: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029655
REPORT IS A COMBINATION OF REPORTS P986557 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K
Description: Define 2 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

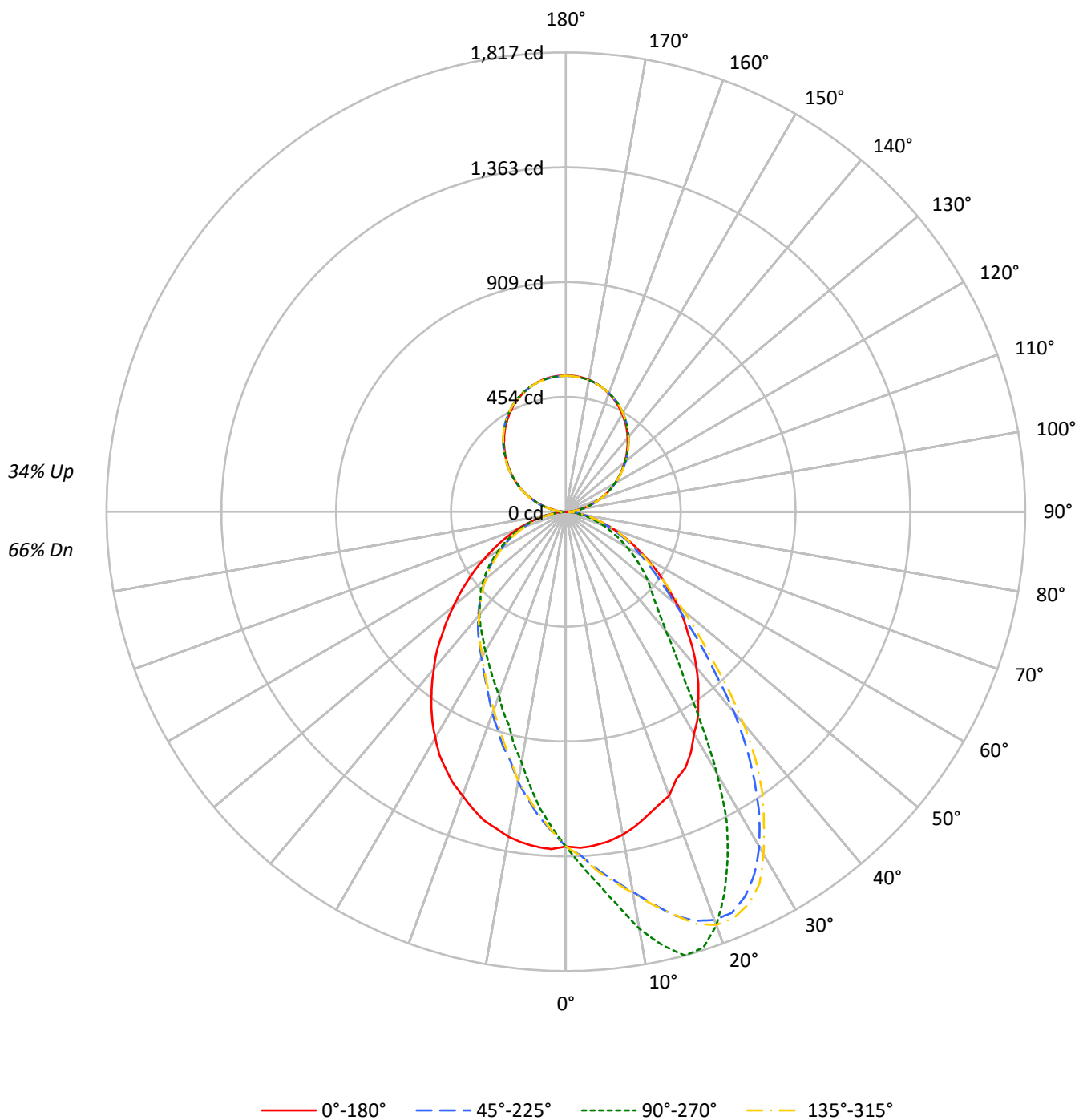
Lumens per Lamp: N/A
Luminaire Lumens: 4426.0 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 49.1
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

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Luminous Intensity Polar Plot



TEST NUMBER: P1029655

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66		
1	102	98	94	91	96	92	89	86	82	79	77	72	71	69	64	62	61	57		
2	93	86	80	75	88	81	76	72	73	68	65	64	61	59	57	54	52	49		
3	86	76	69	63	80	72	66	61	65	60	55	57	54	50	51	48	45	42		
4	79	68	60	54	74	65	58	52	58	52	48	52	47	44	46	43	40	37		
5	73	61	53	47	68	58	51	45	52	46	42	47	42	38	42	38	35	32		
6	67	55	47	41	63	52	45	40	47	41	37	43	38	34	38	34	31	29		
7	62	50	42	37	59	48	41	35	43	37	33	39	34	30	35	31	28	26		
8	58	46	38	33	55	44	37	32	40	34	30	36	31	27	32	28	25	23		
9	54	42	35	30	51	40	33	29	37	31	27	33	28	25	30	26	23	21		
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19		

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	2.8
10°-20°	366.9	8.3
20°-30°	532.5	12.0
30°-40°	561.3	12.7
40°-50°	496.7	11.2
50°-60°	396.6	9.0
60°-70°	269.4	6.1
70°-80°	137.8	3.1
80°-90°	34.1	0.8
90°-100°	33.3	0.8
100°-110°	105.8	2.4
110°-120°	181.1	4.1
120°-130°	238.1	5.4
130°-140°	267.3	6.0
140°-150°	262.1	5.9
150°-160°	219.9	5.0
160°-170°	145.8	3.3
170°-180°	51.0	1.2
0°-30°	1025.5	23.2
0°-40°	1586.8	35.9
0°-60°	2480.2	56.0
0°-90°	2921.5	66.0
90°-120°	320.2	7.2
90°-150°	1087.8	24.6
90°-180°	1504.0	34.0
0°-180°	4426.0	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	15	0	15	0	3
95°	24	28	24	28	24	26
105°	98	101	98	101	98	103
115°	182	182	182	182	182	180
125°	264	265	264	265	264	236
135°	342	346	342	346	342	264
145°	415	420	415	420	415	259
155°	474	478	474	478	474	218
165°	516	517	516	517	516	146
175°	537	535	537	535	537	51
180°	538	538	538	538	538	

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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°	0.5	1.7	2.9	4.1	5.3	5.9	7.0	9.2	11.5	13.7	15.9
92.5°	10.0	10.8	11.6	12.4	13.2	13.6	13.7	13.8	13.9	14.0	14.1
95°	23.6	24.6	25.6	26.7	27.7	28.2	28.3	28.5	28.7	28.9	29.1
97.5°	39.5	40.4	41.3	42.2	43.1	43.6	43.8	44.2	44.6	45.0	45.4
100°	57.7	58.5	59.3	60.1	60.9	61.3	61.5	61.8	62.1	62.4	62.7
102.5°	76.7	77.3	77.9	78.6	79.2	79.5	79.7	80.1	80.5	80.9	81.3
105°	97.6	97.9	98.2	98.5	98.8	99.0	99.1	99.3	99.5	99.7	99.9
107.5°	118.5	118.9	119.3	119.7	120.1	120.3	120.3	120.3	120.3	120.3	120.3
110°	138.5	139.1	139.7	140.3	140.9	141.2	141.2	141.2	141.2	141.2	141.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	160.3	160.9	161.5	162.1	162.7	163.0	163.0	162.9	162.8	162.7	162.6
115°	181.6	182.2	182.8	183.5	184.1	184.4	184.3	184.1	183.9	183.7	183.5
117.5°	203.0	203.8	204.6	205.4	206.2	206.6	206.3	205.8	205.3	204.8	204.3
120°	224.3	225.1	225.9	226.8	227.6	228.0	227.6	226.8	225.9	225.1	224.3
122.5°	243.9	244.9	245.9	246.9	247.9	248.4	248.1	247.6	247.1	246.6	246.1
125°	264.3	265.2	266.1	267.0	267.9	268.4	268.2	267.9	267.6	267.3	267.0
127.5°	284.3	285.4	286.5	287.6	288.7	289.3	289.1	288.7	288.2	287.8	287.4
130°	302.9	304.2	305.5	306.8	308.1	308.8	308.7	308.5	308.3	308.1	307.9
132.5°	323.8	324.8	325.8	326.8	327.8	328.3	328.4	328.5	328.6	328.7	328.8
135°	341.9	343.0	344.1	345.2	346.3	346.9	347.0	347.2	347.4	347.6	347.8
137.5°	361.9	362.8	363.7	364.6	365.5	366.0	366.1	366.3	366.5	366.7	366.9
140°	379.6	380.5	381.4	382.3	383.2	383.7	384.0	384.5	385.0	385.5	386.0
142.5°	397.8	398.7	399.6	400.5	401.4	401.9	402.0	402.3	402.6	402.9	403.2
145°	415.1	415.8	416.5	417.2	417.9	418.2	418.5	419.1	419.8	420.4	421.0
147.5°	430.5	431.4	432.3	433.2	434.1	434.6	434.8	435.2	435.6	436.0	436.4
150°	446.4	447.0	447.6	448.2	448.8	449.1	449.3	449.7	450.1	450.5	450.9
152.5°	460.5	461.1	461.7	462.3	462.9	463.2	463.5	464.0	464.5	465.0	465.5
155°	474.5	474.8	475.1	475.4	475.7	475.9	476.1	476.4	476.7	477.0	477.3
157.5°	486.8	487.0	487.2	487.4	487.6	487.7	487.8	488.0	488.2	488.4	488.6
160°	497.7	497.9	498.1	498.3	498.5	498.6	498.7	498.8	498.9	499.0	499.1
162.5°	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.8	507.9	508.0	508.1
165°	516.3	516.2	516.1	516.0	515.9	515.9	515.9	515.9	515.9	515.9	515.9
167.5°	524.0	523.7	523.4	523.1	522.8	522.7	522.7	522.7	522.7	522.7	522.7
170°	529.9	529.6	529.3	529.0	528.7	528.6	528.5	528.4	528.3	528.2	528.1
172.5°	534.0	533.7	533.4	533.1	532.8	532.7	532.6	532.5	532.4	532.3	532.2
175°	537.2	536.9	536.6	536.3	536.0	535.8	535.7	535.5	535.3	535.1	534.9
177.5°	539.0	538.7	538.4	538.1	537.8	537.7	537.6	537.4	537.2	537.0	536.8
180°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1

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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°	15.7	15.5	15.3	15.1	15.0	15.0	15.1	15.2	15.3	15.4	15.3
92.5°	14.2	14.3	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
95°	29.1	29.1	29.1	29.1	29.1	29.0	28.8	28.6	28.4	28.2	28.4
97.5°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
100°	62.7	62.7	62.7	62.7	62.7	62.6	62.5	62.4	62.3	62.2	62.3
102.5°	81.4	81.5	81.6	81.7	81.7	81.7	81.6	81.5	81.4	81.3	81.4
105°	100.1	100.3	100.5	100.7	100.8	100.8	100.8	100.8	100.8	100.8	100.8
107.5°	120.4	120.5	120.6	120.7	120.8	120.5	120.0	119.5	119.0	118.5	119.0
110°	141.2	141.2	141.2	141.2	141.2	141.1	140.8	140.5	140.2	139.9	140.2

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	162.3	162.0	161.7	161.4	161.2	161.1	160.9	160.7	160.5	160.3	160.5
115°	183.4	183.3	183.2	183.1	183.0	182.8	182.5	182.2	181.9	181.6	181.9
117.5°	204.0	203.7	203.4	203.1	203.0	202.8	202.5	202.2	201.9	201.6	201.9
120°	224.3	224.3	224.3	224.3	224.3	224.2	223.9	223.6	223.3	223.0	223.3
122.5°	245.8	245.5	245.2	244.9	244.8	244.7	244.5	244.3	244.1	243.9	244.1
125°	266.7	266.4	266.1	265.8	265.7	265.6	265.5	265.4	265.3	265.2	265.3
127.5°	287.0	286.6	286.2	285.8	285.6	285.5	285.2	284.9	284.6	284.3	284.6
130°	307.7	307.5	307.3	307.1	307.0	306.8	306.4	306.0	305.6	305.2	305.6
132.5°	328.3	327.8	327.3	326.8	326.5	326.3	326.0	325.7	325.4	325.1	325.4
135°	347.7	347.6	347.5	347.4	347.4	347.2	346.9	346.6	346.3	346.0	346.3
137.5°	366.8	366.7	366.6	366.5	366.5	366.3	365.9	365.4	365.0	364.6	365.0
140°	386.0	386.0	386.0	386.0	386.0	385.8	385.4	385.0	384.6	384.2	384.6
142.5°	403.3	403.4	403.5	403.6	403.7	403.5	403.1	402.7	402.3	401.9	402.3
145°	421.1	421.2	421.3	421.4	421.4	421.2	420.8	420.4	420.0	419.6	420.0
147.5°	436.6	436.8	437.0	437.2	437.3	437.1	436.7	436.3	435.9	435.5	435.9
150°	451.2	451.5	451.8	452.1	452.3	452.1	451.8	451.5	451.2	450.9	451.2
152.5°	465.9	466.3	466.7	467.1	467.3	467.1	466.7	466.3	465.9	465.5	465.9
155°	477.8	478.3	478.8	479.3	479.5	479.4	479.1	478.8	478.5	478.2	478.5
157.5°	489.3	490.0	490.7	491.4	491.8	491.5	491.0	490.5	490.0	489.5	490.0
160°	499.7	500.3	500.9	501.5	501.8	501.6	501.2	500.8	500.4	500.0	500.4
162.5°	508.8	509.5	510.2	510.9	511.3	511.1	510.6	510.1	509.6	509.1	509.6
165°	516.6	517.3	518.0	518.7	519.0	518.8	518.3	517.8	517.3	516.8	517.3
167.5°	523.4	524.1	524.8	525.5	525.9	525.6	525.1	524.6	524.1	523.6	524.1
170°	528.8	529.5	530.2	530.9	531.3	531.0	530.4	529.8	529.2	528.6	529.2
172.5°	532.9	533.6	534.3	535.0	535.4	535.1	534.5	533.9	533.3	532.7	533.3
175°	535.6	536.3	537.0	537.7	538.1	537.8	537.2	536.6	536.0	535.4	536.0
177.5°	537.4	538.0	538.6	539.2	539.5	539.2	538.6	538.0	537.4	536.8	537.4
180°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_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°	15.2	15.1	15.0	15.0	15.1	15.3	15.5	15.7	15.9	13.7	11.5
92.5°	14.5	14.5	14.5	14.5	14.5	14.4	14.3	14.2	14.1	14.0	13.9
95°	28.6	28.8	29.0	29.1	29.1	29.1	29.1	29.1	29.1	28.9	28.7
97.5°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.0	44.6
100°	62.4	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.4	62.1
102.5°	81.5	81.6	81.7	81.7	81.7	81.6	81.5	81.4	81.3	80.9	80.5
105°	100.8	100.8	100.8	100.8	100.7	100.5	100.3	100.1	99.9	99.7	99.5
107.5°	119.5	120.0	120.5	120.8	120.7	120.6	120.5	120.4	120.3	120.3	120.3
110°	140.5	140.8	141.1	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	160.7	160.9	161.1	161.2	161.4	161.7	162.0	162.3	162.6	162.7	162.8
115°	182.2	182.5	182.8	183.0	183.1	183.2	183.3	183.4	183.5	183.7	183.9
117.5°	202.2	202.5	202.8	203.0	203.1	203.4	203.7	204.0	204.3	204.8	205.3
120°	223.6	223.9	224.2	224.3	224.3	224.3	224.3	224.3	224.3	225.1	225.9
122.5°	244.3	244.5	244.7	244.8	244.9	245.2	245.5	245.8	246.1	246.6	247.1
125°	265.4	265.5	265.6	265.7	265.8	266.1	266.4	266.7	267.0	267.3	267.6
127.5°	284.9	285.2	285.5	285.6	285.8	286.2	286.6	287.0	287.4	287.8	288.2
130°	306.0	306.4	306.8	307.0	307.1	307.3	307.5	307.7	307.9	308.1	308.3
132.5°	325.7	326.0	326.3	326.5	326.8	327.3	327.8	328.3	328.8	328.7	328.6
135°	346.6	346.9	347.2	347.4	347.4	347.5	347.6	347.7	347.8	347.6	347.4
137.5°	365.4	365.9	366.3	366.5	366.5	366.6	366.7	366.8	366.9	366.7	366.5
140°	385.0	385.4	385.8	386.0	386.0	386.0	386.0	386.0	386.0	385.5	385.0
142.5°	402.7	403.1	403.5	403.7	403.6	403.5	403.4	403.3	403.2	402.9	402.6
145°	420.4	420.8	421.2	421.4	421.4	421.3	421.2	421.1	421.0	420.4	419.8
147.5°	436.3	436.7	437.1	437.3	437.2	437.0	436.8	436.6	436.4	436.0	435.6
150°	451.5	451.8	452.1	452.3	452.1	451.8	451.5	451.2	450.9	450.5	450.1
152.5°	466.3	466.7	467.1	467.3	467.1	466.7	466.3	465.9	465.5	465.0	464.5
155°	478.8	479.1	479.4	479.5	479.3	478.8	478.3	477.8	477.3	477.0	476.7
157.5°	490.5	491.0	491.5	491.8	491.4	490.7	490.0	489.3	488.6	488.4	488.2
160°	500.8	501.2	501.6	501.8	501.5	500.9	500.3	499.7	499.1	499.0	498.9
162.5°	510.1	510.6	511.1	511.3	510.9	510.2	509.5	508.8	508.1	508.0	507.9
165°	517.8	518.3	518.8	519.0	518.7	518.0	517.3	516.6	515.9	515.9	515.9
167.5°	524.6	525.1	525.6	525.9	525.5	524.8	524.1	523.4	522.7	522.7	522.7
170°	529.8	530.4	531.0	531.3	530.9	530.2	529.5	528.8	528.1	528.2	528.3
172.5°	533.9	534.5	535.1	535.4	535.0	534.3	533.6	532.9	532.2	532.3	532.4
175°	536.6	537.2	537.8	538.1	537.7	537.0	536.3	535.6	534.9	535.1	535.3
177.5°	538.0	538.6	539.2	539.5	539.2	538.6	538.0	537.4	536.8	537.0	537.2
180°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_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°	9.2	7.0	5.9	5.3	4.1	2.9	1.7	0.5	1.7	2.9	4.1
92.5°	13.8	13.7	13.6	13.2	12.4	11.6	10.8	10.0	10.8	11.6	12.4
95°	28.5	28.3	28.2	27.7	26.7	25.6	24.6	23.6	24.6	25.6	26.7
97.5°	44.2	43.8	43.6	43.1	42.2	41.3	40.4	39.5	40.4	41.3	42.2
100°	61.8	61.5	61.3	60.9	60.1	59.3	58.5	57.7	58.5	59.3	60.1
102.5°	80.1	79.7	79.5	79.2	78.6	77.9	77.3	76.7	77.3	77.9	78.6
105°	99.3	99.1	99.0	98.8	98.5	98.2	97.9	97.6	97.9	98.2	98.5
107.5°	120.3	120.3	120.3	120.1	119.7	119.3	118.9	118.5	118.9	119.3	119.7
110°	141.2	141.2	141.2	140.9	140.3	139.7	139.1	138.5	139.1	139.7	140.3

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	162.9	163.0	163.0	162.7	162.1	161.5	160.9	160.3	160.9	161.5	162.1
115°	184.1	184.3	184.4	184.1	183.5	182.8	182.2	181.6	182.2	182.8	183.5
117.5°	205.8	206.3	206.6	206.2	205.4	204.6	203.8	203.0	203.8	204.6	205.4
120°	226.8	227.6	228.0	227.6	226.8	225.9	225.1	224.3	225.1	225.9	226.8
122.5°	247.6	248.1	248.4	247.9	246.9	245.9	244.9	243.9	244.9	245.9	246.9
125°	267.9	268.2	268.4	267.9	267.0	266.1	265.2	264.3	265.2	266.1	267.0
127.5°	288.7	289.1	289.3	288.7	287.6	286.5	285.4	284.3	285.4	286.5	287.6
130°	308.5	308.7	308.8	308.1	306.8	305.5	304.2	302.9	304.2	305.5	306.8
132.5°	328.5	328.4	328.3	327.8	326.8	325.8	324.8	323.8	324.8	325.8	326.8
135°	347.2	347.0	346.9	346.3	345.2	344.1	343.0	341.9	343.0	344.1	345.2
137.5°	366.3	366.1	366.0	365.5	364.6	363.7	362.8	361.9	362.8	363.7	364.6
140°	384.5	384.0	383.7	383.2	382.3	381.4	380.5	379.6	380.5	381.4	382.3
142.5°	402.3	402.0	401.9	401.4	400.5	399.6	398.7	397.8	398.7	399.6	400.5
145°	419.1	418.5	418.2	417.9	417.2	416.5	415.8	415.1	415.8	416.5	417.2
147.5°	435.2	434.8	434.6	434.1	433.2	432.3	431.4	430.5	431.4	432.3	433.2
150°	449.7	449.3	449.1	448.8	448.2	447.6	447.0	446.4	447.0	447.6	448.2
152.5°	464.0	463.5	463.2	462.9	462.3	461.7	461.1	460.5	461.1	461.7	462.3
155°	476.4	476.1	475.9	475.7	475.4	475.1	474.8	474.5	474.8	475.1	475.4
157.5°	488.0	487.8	487.7	487.6	487.4	487.2	487.0	486.8	487.0	487.2	487.4
160°	498.8	498.7	498.6	498.5	498.3	498.1	497.9	497.7	497.9	498.1	498.3
162.5°	507.8	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7	507.7
165°	515.9	515.9	515.9	515.9	516.0	516.1	516.2	516.3	516.2	516.1	516.0
167.5°	522.7	522.7	522.7	522.8	523.1	523.4	523.7	524.0	523.7	523.4	523.1
170°	528.4	528.5	528.6	528.7	529.0	529.3	529.6	529.9	529.6	529.3	529.0
172.5°	532.5	532.6	532.7	532.8	533.1	533.4	533.7	534.0	533.7	533.4	533.1
175°	535.5	535.7	535.8	536.0	536.3	536.6	536.9	537.2	536.9	536.6	536.3
177.5°	537.4	537.6	537.7	537.8	538.1	538.4	538.7	539.0	538.7	538.4	538.1
180°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_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°	5.3	5.9	7.0	9.2	11.5	13.7	15.9	15.7	15.5	15.3	15.1
92.5°	13.2	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5
95°	27.7	28.2	28.3	28.5	28.7	28.9	29.1	29.1	29.1	29.1	29.1
97.5°	43.1	43.6	43.8	44.2	44.6	45.0	45.4	45.4	45.4	45.4	45.4
100°	60.9	61.3	61.5	61.8	62.1	62.4	62.7	62.7	62.7	62.7	62.7
102.5°	79.2	79.5	79.7	80.1	80.5	80.9	81.3	81.4	81.5	81.6	81.7
105°	98.8	99.0	99.1	99.3	99.5	99.7	99.9	100.1	100.3	100.5	100.7
107.5°	120.1	120.3	120.3	120.3	120.3	120.3	120.3	120.4	120.5	120.6	120.7
110°	140.9	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2

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CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	162.7	163.0	163.0	162.9	162.8	162.7	162.6	162.3	162.0	161.7	161.4
115°	184.1	184.4	184.3	184.1	183.9	183.7	183.5	183.4	183.3	183.2	183.1
117.5°	206.2	206.6	206.3	205.8	205.3	204.8	204.3	204.0	203.7	203.4	203.1
120°	227.6	228.0	227.6	226.8	225.9	225.1	224.3	224.3	224.3	224.3	224.3
122.5°	247.9	248.4	248.1	247.6	247.1	246.6	246.1	245.8	245.5	245.2	244.9
125°	267.9	268.4	268.2	267.9	267.6	267.3	267.0	266.7	266.4	266.1	265.8
127.5°	288.7	289.3	289.1	288.7	288.2	287.8	287.4	287.0	286.6	286.2	285.8
130°	308.1	308.8	308.7	308.5	308.3	308.1	307.9	307.7	307.5	307.3	307.1
132.5°	327.8	328.3	328.4	328.5	328.6	328.7	328.8	328.3	327.8	327.3	326.8
135°	346.3	346.9	347.0	347.2	347.4	347.6	347.8	347.7	347.6	347.5	347.4
137.5°	365.5	366.0	366.1	366.3	366.5	366.7	366.9	366.8	366.7	366.6	366.5
140°	383.2	383.7	384.0	384.5	385.0	385.5	386.0	386.0	386.0	386.0	386.0
142.5°	401.4	401.9	402.0	402.3	402.6	402.9	403.2	403.3	403.4	403.5	403.6
145°	417.9	418.2	418.5	419.1	419.8	420.4	421.0	421.1	421.2	421.3	421.4
147.5°	434.1	434.6	434.8	435.2	435.6	436.0	436.4	436.6	436.8	437.0	437.2
150°	448.8	449.1	449.3	449.7	450.1	450.5	450.9	451.2	451.5	451.8	452.1
152.5°	462.9	463.2	463.5	464.0	464.5	465.0	465.5	465.9	466.3	466.7	467.1
155°	475.7	475.9	476.1	476.4	476.7	477.0	477.3	477.8	478.3	478.8	479.3
157.5°	487.6	487.7	487.8	488.0	488.2	488.4	488.6	489.3	490.0	490.7	491.4
160°	498.5	498.6	498.7	498.8	498.9	499.0	499.1	499.7	500.3	500.9	501.5
162.5°	507.7	507.7	507.7	507.8	507.9	508.0	508.1	508.8	509.5	510.2	510.9
165°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	516.6	517.3	518.0	518.7
167.5°	522.8	522.7	522.7	522.7	522.7	522.7	522.7	523.4	524.1	524.8	525.5
170°	528.7	528.6	528.5	528.4	528.3	528.2	528.1	528.8	529.5	530.2	530.9
172.5°	532.8	532.7	532.6	532.5	532.4	532.3	532.2	532.9	533.6	534.3	535.0
175°	536.0	535.8	535.7	535.5	535.3	535.1	534.9	535.6	536.3	537.0	537.7
177.5°	537.8	537.7	537.6	537.4	537.2	537.0	536.8	537.4	538.0	538.6	539.2
180°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_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°	15.0	15.0	15.1	15.2	15.3	15.4	15.3	15.2	15.1	15.0	15.0
92.5°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
95°	29.1	29.0	28.8	28.6	28.4	28.2	28.4	28.6	28.8	29.0	29.1
97.5°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
100°	62.7	62.6	62.5	62.4	62.3	62.2	62.3	62.4	62.5	62.6	62.7
102.5°	81.7	81.7	81.6	81.5	81.4	81.3	81.4	81.5	81.6	81.7	81.7
105°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
107.5°	120.8	120.5	120.0	119.5	119.0	118.5	119.0	119.5	120.0	120.5	120.8
110°	141.2	141.1	140.8	140.5	140.2	139.9	140.2	140.5	140.8	141.1	141.2

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	161.2	161.1	160.9	160.7	160.5	160.3	160.5	160.7	160.9	161.1	161.2
115°	183.0	182.8	182.5	182.2	181.9	181.6	181.9	182.2	182.5	182.8	183.0
117.5°	203.0	202.8	202.5	202.2	201.9	201.6	201.9	202.2	202.5	202.8	203.0
120°	224.3	224.2	223.9	223.6	223.3	223.0	223.3	223.6	223.9	224.2	224.3
122.5°	244.8	244.7	244.5	244.3	244.1	243.9	244.1	244.3	244.5	244.7	244.8
125°	265.7	265.6	265.5	265.4	265.3	265.2	265.3	265.4	265.5	265.6	265.7
127.5°	285.6	285.5	285.2	284.9	284.6	284.3	284.6	284.9	285.2	285.5	285.6
130°	307.0	306.8	306.4	306.0	305.6	305.2	305.6	306.0	306.4	306.8	307.0
132.5°	326.5	326.3	326.0	325.7	325.4	325.1	325.4	325.7	326.0	326.3	326.5
135°	347.4	347.2	346.9	346.6	346.3	346.0	346.3	346.6	346.9	347.2	347.4
137.5°	366.5	366.3	365.9	365.4	365.0	364.6	365.0	365.4	365.9	366.3	366.5
140°	386.0	385.8	385.4	385.0	384.6	384.2	384.6	385.0	385.4	385.8	386.0
142.5°	403.7	403.5	403.1	402.7	402.3	401.9	402.3	402.7	403.1	403.5	403.7
145°	421.4	421.2	420.8	420.4	420.0	419.6	420.0	420.4	420.8	421.2	421.4
147.5°	437.3	437.1	436.7	436.3	435.9	435.5	435.9	436.3	436.7	437.1	437.3
150°	452.3	452.1	451.8	451.5	451.2	450.9	451.2	451.5	451.8	452.1	452.3
152.5°	467.3	467.1	466.7	466.3	465.9	465.5	465.9	466.3	466.7	467.1	467.3
155°	479.5	479.4	479.1	478.8	478.5	478.2	478.5	478.8	479.1	479.4	479.5
157.5°	491.8	491.5	491.0	490.5	490.0	489.5	490.0	490.5	491.0	491.5	491.8
160°	501.8	501.6	501.2	500.8	500.4	500.0	500.4	500.8	501.2	501.6	501.8
162.5°	511.3	511.1	510.6	510.1	509.6	509.1	509.6	510.1	510.6	511.1	511.3
165°	519.0	518.8	518.3	517.8	517.3	516.8	517.3	517.8	518.3	518.8	519.0
167.5°	525.9	525.6	525.1	524.6	524.1	523.6	524.1	524.6	525.1	525.6	525.9
170°	531.3	531.0	530.4	529.8	529.2	528.6	529.2	529.8	530.4	531.0	531.3
172.5°	535.4	535.1	534.5	533.9	533.3	532.7	533.3	533.9	534.5	535.1	535.4
175°	538.1	537.8	537.2	536.6	536.0	535.4	536.0	536.6	537.2	537.8	538.1
177.5°	539.5	539.2	538.6	538.0	537.4	536.8	537.4	538.0	538.6	539.2	539.5
180°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_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°	15.1	15.3	15.5	15.7	15.9	13.7	11.5	9.2	7.0	5.9	5.3
92.5°	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.2
95°	29.1	29.1	29.1	29.1	29.1	28.9	28.7	28.5	28.3	28.2	27.7
97.5°	45.4	45.4	45.4	45.4	45.4	45.0	44.6	44.2	43.8	43.6	43.1
100°	62.7	62.7	62.7	62.7	62.7	62.4	62.1	61.8	61.5	61.3	60.9
102.5°	81.7	81.6	81.5	81.4	81.3	80.9	80.5	80.1	79.7	79.5	79.2
105°	100.7	100.5	100.3	100.1	99.9	99.7	99.5	99.3	99.1	99.0	98.8
107.5°	120.7	120.6	120.5	120.4	120.3	120.3	120.3	120.3	120.3	120.3	120.1
110°	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	140.9

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	161.4	161.7	162.0	162.3	162.6	162.7	162.8	162.9	163.0	163.0	162.7
115°	183.1	183.2	183.3	183.4	183.5	183.7	183.9	184.1	184.3	184.4	184.1
117.5°	203.1	203.4	203.7	204.0	204.3	204.8	205.3	205.8	206.3	206.6	206.2
120°	224.3	224.3	224.3	224.3	224.3	225.1	225.9	226.8	227.6	228.0	227.6
122.5°	244.9	245.2	245.5	245.8	246.1	246.6	247.1	247.6	248.1	248.4	247.9
125°	265.8	266.1	266.4	266.7	267.0	267.3	267.6	267.9	268.2	268.4	267.9
127.5°	285.8	286.2	286.6	287.0	287.4	287.8	288.2	288.7	289.1	289.3	288.7
130°	307.1	307.3	307.5	307.7	307.9	308.1	308.3	308.5	308.7	308.8	308.1
132.5°	326.8	327.3	327.8	328.3	328.8	328.7	328.6	328.5	328.4	328.3	327.8
135°	347.4	347.5	347.6	347.7	347.8	347.6	347.4	347.2	347.0	346.9	346.3
137.5°	366.5	366.6	366.7	366.8	366.9	366.7	366.5	366.3	366.1	366.0	365.5
140°	386.0	386.0	386.0	386.0	386.0	385.5	385.0	384.5	384.0	383.7	383.2
142.5°	403.6	403.5	403.4	403.3	403.2	402.9	402.6	402.3	402.0	401.9	401.4
145°	421.4	421.3	421.2	421.1	421.0	420.4	419.8	419.1	418.5	418.2	417.9
147.5°	437.2	437.0	436.8	436.6	436.4	436.0	435.6	435.2	434.8	434.6	434.1
150°	452.1	451.8	451.5	451.2	450.9	450.5	450.1	449.7	449.3	449.1	448.8
152.5°	467.1	466.7	466.3	465.9	465.5	465.0	464.5	464.0	463.5	463.2	462.9
155°	479.3	478.8	478.3	477.8	477.3	477.0	476.7	476.4	476.1	475.9	475.7
157.5°	491.4	490.7	490.0	489.3	488.6	488.4	488.2	488.0	487.8	487.7	487.6
160°	501.5	500.9	500.3	499.7	499.1	499.0	498.9	498.8	498.7	498.6	498.5
162.5°	510.9	510.2	509.5	508.8	508.1	508.0	507.9	507.8	507.7	507.7	507.7
165°	518.7	518.0	517.3	516.6	515.9	515.9	515.9	515.9	515.9	515.9	515.9
167.5°	525.5	524.8	524.1	523.4	522.7	522.7	522.7	522.7	522.7	522.7	522.8
170°	530.9	530.2	529.5	528.8	528.1	528.2	528.3	528.4	528.5	528.6	528.7
172.5°	535.0	534.3	533.6	532.9	532.2	532.3	532.4	532.5	532.6	532.7	532.8
175°	537.7	537.0	536.3	535.6	534.9	535.1	535.3	535.5	535.7	535.8	536.0
177.5°	539.2	538.6	538.0	537.4	536.8	537.0	537.2	537.4	537.6	537.7	537.8
180°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1

TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_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°	4.1	2.9	1.7	0.5
92.5°	12.4	11.6	10.8	10.0
95°	26.7	25.6	24.6	23.6
97.5°	42.2	41.3	40.4	39.5
100°	60.1	59.3	58.5	57.7
102.5°	78.6	77.9	77.3	76.7
105°	98.5	98.2	97.9	97.6
107.5°	119.7	119.3	118.9	118.5
110°	140.3	139.7	139.1	138.5



TEST NUMBER: P1029655

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	162.1	161.5	160.9	160.3
115°	183.5	182.8	182.2	181.6
117.5°	205.4	204.6	203.8	203.0
120°	226.8	225.9	225.1	224.3
122.5°	246.9	245.9	244.9	243.9
125°	267.0	266.1	265.2	264.3
127.5°	287.6	286.5	285.4	284.3
130°	306.8	305.5	304.2	302.9
132.5°	326.8	325.8	324.8	323.8
135°	345.2	344.1	343.0	341.9
137.5°	364.6	363.7	362.8	361.9
140°	382.3	381.4	380.5	379.6
142.5°	400.5	399.6	398.7	397.8
145°	417.2	416.5	415.8	415.1
147.5°	433.2	432.3	431.4	430.5
150°	448.2	447.6	447.0	446.4
152.5°	462.3	461.7	461.1	460.5
155°	475.4	475.1	474.8	474.5
157.5°	487.4	487.2	487.0	486.8
160°	498.3	498.1	497.9	497.7
162.5°	507.7	507.7	507.7	507.7
165°	516.0	516.1	516.2	516.3
167.5°	523.1	523.4	523.7	524.0
170°	529.0	529.3	529.6	529.9
172.5°	533.1	533.4	533.7	534.0
175°	536.3	536.6	536.9	537.2
177.5°	538.1	538.4	538.7	539.0
180°	538.1	538.1	538.1	538.1

(END OF REPORT)