

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: P1029659

Luminaire Tested: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029659
REPORT IS A COMBINATION OF REPORTS P986561 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_5000K
Description: Define 2 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

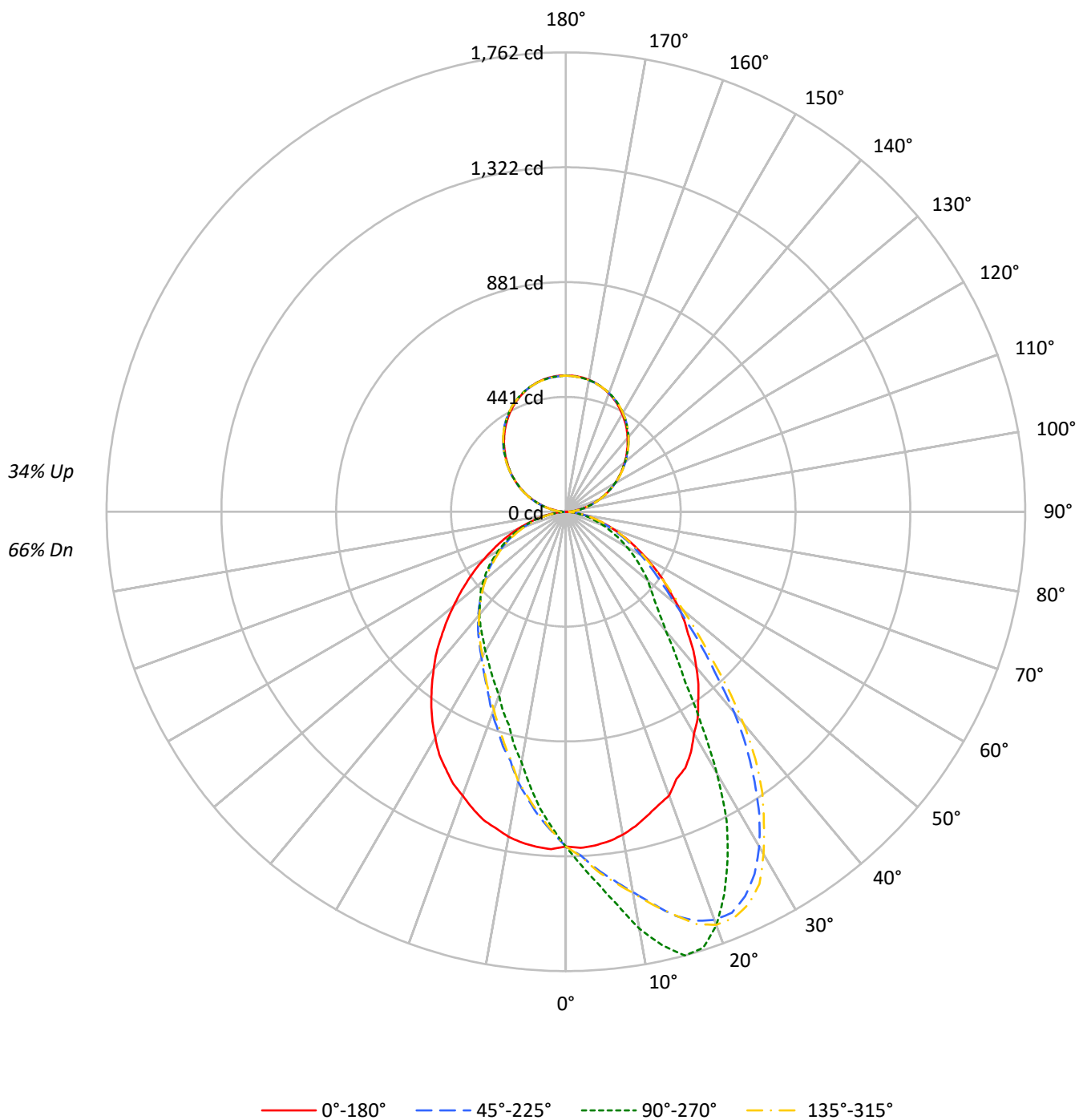
Lumens per Lamp: N/A
Luminaire Lumens: 4293.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20318	20318	20318	20318
5°	20367	21665	20445	17235
10°	20130	23650	20257	14211
15°	19642	24945	19915	11969
20°	19336	23422	19336	10403
25°	18720	20122	18804	9304
30°	17706	15818	18043	8427
35°	16808	10938	17089	7711
40°	15774	8258	15954	7139
45°	14502	6787	14738	6522
50°	13401	5956	13425	5970
55°	12145	5075	12225	5371
60°	10809	4239	10957	4687
65°	9609	3448	9787	4003
70°	8419	2705	8631	3229
75°	7065	1964	7339	2341
80°	5517	1245	5908	1390
85°	3630	626	3899	463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	2.8
10°-20°	355.8	8.3
20°-30°	516.4	12.0
30°-40°	544.4	12.7
40°-50°	481.8	11.2
50°-60°	384.7	9.0
60°-70°	261.3	6.1
70°-80°	133.7	3.1
80°-90°	33.1	0.8
90°-100°	32.3	0.8
100°-110°	102.7	2.4
110°-120°	175.7	4.1
120°-130°	231.0	5.4
130°-140°	259.3	6.0
140°-150°	254.3	5.9
150°-160°	213.3	5.0
160°-170°	141.5	3.3
170°-180°	49.4	1.2
0°-30°	994.6	23.2
0°-40°	1539.0	35.8
0°-60°	2405.4	56.0
0°-90°	2833.5	66.0
90°-120°	310.6	7.2
90°-150°	1055.3	24.6
90°-180°	1460.0	34.0
0°-180°	4293.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1285	1434	1290	1140	1285	122
15°	1207	1762	1223	846	1207	341
25°	1084	1468	1089	679	1084	496
35°	885	799	900	563	885	554
45°	664	482	675	463	664	515
55°	456	338	459	358	456	407
65°	270	208	275	242	270	269
75°	126	103	131	122	126	136
85°	26	27	28	20	26	30
90°	0	15	0	15	0	3
95°	23	27	23	27	23	26
105°	95	98	95	98	95	100
115°	176	176	176	176	176	174
125°	256	257	256	257	256	229
135°	332	336	332	336	332	256
145°	403	407	403	407	403	252
155°	460	464	460	464	460	212
165°	501	501	501	501	501	141
175°	521	519	521	519	521	50
180°	522	522	522	522	522	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1290.5	1293.5	1298.4	1299.4	1309.2	1317.1	1326.0	1326.0	1329.0	1328.0	1320.1
5°	1284.6	1293.5	1306.3	1317.1	1334.9	1342.8	1354.6	1363.5	1371.4	1377.3	1376.3
7.5°	1274.7	1290.5	1309.2	1330.0	1353.6	1367.5	1384.2	1400.0	1410.9	1420.7	1427.6
10°	1257.9	1284.6	1310.2	1337.9	1368.4	1387.2	1406.9	1427.6	1444.4	1463.2	1480.9
12.5°	1235.2	1273.7	1305.3	1341.8	1379.3	1400.0	1431.6	1447.4	1479.9	1527.3	1540.1
15°	1206.6	1258.9	1288.5	1334.9	1384.2	1401.0	1444.4	1470.1	1537.2	1566.8	1602.3
17.5°	1180.0	1238.2	1277.7	1331.0	1379.3	1411.9	1454.3	1506.6	1562.8	1605.2	1644.7
20°	1158.3	1214.5	1261.9	1321.1	1382.3	1423.7	1468.1	1531.2	1592.4	1635.8	1666.4
22.5°	1109.0	1181.0	1236.2	1302.3	1376.3	1433.6	1476.0	1545.0	1611.2	1637.8	1664.4
25°	1084.3	1146.5	1210.6	1285.6	1372.4	1440.5	1477.0	1553.9	1612.1	1622.0	1627.9
27.5°	1038.9	1109.0	1183.9	1269.8	1371.4	1428.6	1475.0	1545.0	1591.4	1584.5	1566.8
30°	982.7	1068.5	1151.4	1244.1	1357.6	1419.7	1463.2	1527.3	1551.0	1515.5	1483.9
32.5°	941.2	1022.1	1113.9	1221.4	1341.8	1401.0	1443.4	1493.7	1498.7	1434.5	1381.3
35°	885.0	974.8	1078.4	1191.8	1315.2	1368.4	1407.9	1438.5	1414.8	1325.0	1261.9
37.5°	834.7	923.5	1034.0	1149.4	1278.7	1331.0	1362.5	1367.5	1309.2	1230.3	1137.6
40°	779.4	871.2	986.6	1108.0	1238.2	1283.6	1303.3	1288.5	1204.7	1112.9	1005.4
42.5°	724.2	814.9	939.3	1063.6	1186.9	1225.4	1233.3	1192.8	1090.2	982.7	858.4
45°	664.0	758.7	883.0	1008.3	1127.7	1149.4	1150.4	1092.2	970.8	858.4	742.9
47.5°	614.7	702.5	825.8	951.1	1051.7	1066.5	1060.6	993.5	861.3	735.0	634.4
50°	560.4	644.3	766.6	889.9	975.8	979.7	964.9	869.2	740.0	624.5	544.6
52.5°	502.2	587.0	699.5	817.9	894.9	888.9	860.3	757.7	636.4	540.7	479.5
55°	455.8	530.8	636.4	751.8	806.1	789.3	757.7	653.1	557.4	476.5	423.3
57.5°	404.5	470.6	574.2	674.8	706.4	690.6	659.1	561.4	472.6	411.4	375.9
60°	356.2	416.4	507.1	591.0	615.7	598.9	562.4	474.6	410.4	359.1	332.5
62.5°	311.8	364.1	440.0	517.0	526.9	510.1	478.5	407.5	352.2	311.8	292.0
65°	270.3	319.7	380.8	439.0	447.9	430.2	397.6	346.3	299.9	274.3	255.5
67.5°	229.9	269.3	323.6	366.0	371.0	354.2	327.6	286.1	257.5	229.9	216.1
70°	194.4	224.0	266.4	300.9	302.9	287.1	273.3	235.8	214.1	194.4	183.5
72.5°	159.8	180.6	213.1	238.8	239.7	229.9	217.1	193.4	174.6	160.8	150.0
75°	126.3	144.0	163.8	186.5	185.5	177.6	167.7	152.9	137.1	128.3	123.3
77.5°	96.7	107.5	123.3	138.1	138.1	134.2	128.3	117.4	107.5	98.7	93.7
80°	69.1	76.0	88.8	93.7	95.7	94.7	89.8	81.9	77.9	71.0	69.1
82.5°	44.4	49.3	55.3	60.2	63.1	61.2	60.2	56.2	50.3	48.3	46.4
85°	25.7	27.6	30.6	33.5	34.5	33.5	35.5	32.6	29.6	29.6	28.6
87.5°	10.9	11.8	13.8	13.8	14.8	14.8	13.8	14.8	14.8	13.8	12.8
90°	0.4	1.6	2.8	3.9	5.1	5.7	6.8	8.9	11.1	13.2	15.4
92.5°	9.7	10.5	11.3	12.0	12.8	13.2	13.3	13.4	13.5	13.6	13.7
95°	22.9	23.9	24.9	25.8	26.8	27.3	27.4	27.6	27.8	28.0	28.2
97.5°	38.3	39.2	40.1	41.0	41.9	42.3	42.5	42.9	43.3	43.7	44.1
100°	55.9	56.7	57.5	58.3	59.1	59.5	59.6	59.9	60.2	60.5	60.8
102.5°	74.5	75.1	75.7	76.2	76.8	77.1	77.3	77.7	78.1	78.5	78.9
105°	94.7	95.0	95.3	95.6	95.9	96.0	96.1	96.3	96.5	96.7	96.9
107.5°	115.0	115.4	115.8	116.1	116.5	116.7	116.7	116.7	116.7	116.7	116.7
110°	134.4	135.0	135.6	136.1	136.7	137.0	137.0	137.0	137.0	137.0	137.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	155.5	156.1	156.7	157.3	157.9	158.2	158.1	158.0	157.9	157.8	157.7
115°	176.2	176.8	177.4	178.0	178.6	178.9	178.8	178.6	178.4	178.2	178.0
117.5°	196.9	197.7	198.5	199.2	200.0	200.4	200.2	199.7	199.2	198.7	198.2
120°	217.6	218.4	219.2	219.9	220.7	221.1	220.7	219.9	219.2	218.4	217.6
122.5°	236.6	237.6	238.6	239.5	240.5	241.0	240.8	240.3	239.8	239.3	238.8
125°	256.4	257.3	258.2	259.1	260.0	260.4	260.2	259.9	259.6	259.3	259.0
127.5°	275.8	276.9	277.9	279.0	280.1	280.6	280.4	280.0	279.7	279.3	278.9
130°	293.8	295.1	296.4	297.7	299.0	299.6	299.5	299.3	299.1	298.9	298.7
132.5°	314.1	315.1	316.1	317.0	318.0	318.5	318.5	318.6	318.7	318.8	318.9
135°	331.7	332.8	333.9	335.0	336.1	336.6	336.7	336.9	337.1	337.3	337.5
137.5°	351.1	352.0	352.9	353.8	354.7	355.1	355.2	355.4	355.6	355.8	356.0
140°	368.3	369.2	370.1	371.0	371.9	372.3	372.5	373.0	373.5	374.0	374.5
142.5°	385.9	386.8	387.7	388.6	389.5	389.9	390.0	390.3	390.6	390.9	391.2
145°	402.7	403.4	404.0	404.7	405.4	405.7	406.0	406.6	407.2	407.8	408.4
147.5°	417.6	418.5	419.4	420.3	421.2	421.6	421.8	422.2	422.6	423.0	423.4
150°	433.0	433.6	434.2	434.8	435.4	435.7	435.9	436.3	436.7	437.1	437.5
152.5°	446.7	447.3	447.9	448.4	449.0	449.3	449.6	450.1	450.6	451.1	451.6
155°	460.4	460.7	461.0	461.3	461.6	461.7	461.8	462.1	462.4	462.7	463.0
157.5°	472.3	472.5	472.7	472.8	473.0	473.1	473.2	473.4	473.6	473.8	474.0
160°	482.8	483.0	483.2	483.4	483.6	483.7	483.8	483.9	484.0	484.1	484.2
162.5°	492.5	492.5	492.5	492.5	492.5	492.5	492.6	492.7	492.8	492.9	493.0
165°	500.9	500.8	500.7	500.6	500.5	500.4	500.4	500.4	500.4	500.4	500.4
167.5°	508.4	508.1	507.8	507.5	507.2	507.1	507.1	507.1	507.1	507.1	507.1
170°	514.1	513.8	513.5	513.2	512.9	512.8	512.7	512.6	512.5	512.4	512.3
172.5°	518.1	517.8	517.5	517.2	516.9	516.7	516.7	516.6	516.5	516.4	516.3
175°	521.2	520.9	520.6	520.3	520.0	519.8	519.7	519.5	519.4	519.2	519.0
177.5°	522.9	522.6	522.3	522.0	521.7	521.6	521.5	521.3	521.1	520.9	520.7
180°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1333.9	1334.9	1336.9	1346.7	1351.7	1352.7	1348.7	1357.6	1360.6	1357.6	1355.6
5°	1397.1	1403.0	1414.8	1427.6	1426.7	1427.6	1433.6	1439.5	1441.5	1433.6	1436.5
7.5°	1452.3	1464.1	1477.0	1496.7	1496.7	1506.6	1510.5	1515.5	1527.3	1521.4	1519.4
10°	1515.5	1531.2	1554.9	1586.5	1587.5	1597.3	1607.2	1623.0	1627.9	1624.0	1626.0
12.5°	1594.4	1625.0	1626.9	1661.5	1677.3	1679.2	1695.0	1692.1	1701.9	1701.9	1718.7
15°	1628.9	1676.3	1702.9	1736.5	1746.3	1734.5	1747.3	1761.1	1762.1	1762.1	1761.1
17.5°	1691.1	1709.8	1736.5	1754.2	1758.2	1758.2	1759.1	1765.1	1761.1	1753.2	1759.1
20°	1703.9	1711.8	1721.7	1719.7	1721.7	1711.8	1701.9	1692.1	1693.0	1688.1	1702.9
22.5°	1680.2	1678.2	1655.6	1640.8	1640.8	1621.0	1602.3	1593.4	1584.5	1587.5	1592.4
25°	1621.0	1590.4	1562.8	1541.1	1536.2	1504.6	1478.9	1471.1	1456.3	1468.1	1470.1
27.5°	1526.3	1491.8	1447.4	1428.6	1403.0	1390.1	1372.4	1348.7	1318.1	1335.9	1332.9
30°	1424.7	1373.4	1336.9	1291.5	1251.0	1248.1	1214.5	1175.1	1159.3	1159.3	1168.2
32.5°	1311.2	1243.1	1189.9	1125.7	1086.3	1069.5	1029.0	989.6	998.5	968.9	979.7
35°	1179.0	1089.2	1022.1	960.0	930.4	910.7	858.4	836.7	813.0	799.2	824.8
37.5°	1052.7	949.1	863.3	795.2	784.4	748.8	713.3	699.5	685.7	691.6	690.6
40°	898.8	807.1	730.1	676.8	658.1	641.3	617.6	600.9	592.0	596.9	597.9
42.5°	759.7	682.7	625.5	588.0	572.2	560.4	548.6	534.7	531.8	531.8	535.7
45°	652.2	589.0	550.5	519.9	511.1	502.2	493.3	487.4	485.4	481.5	484.4
47.5°	566.3	516.0	492.3	469.6	459.8	457.8	449.9	446.9	443.0	442.0	443.0
50°	494.3	462.7	441.0	428.2	421.3	418.3	414.4	408.5	406.5	411.4	409.4
52.5°	444.0	414.4	402.5	389.7	385.8	381.8	375.9	376.9	375.9	373.9	373.9
55°	393.7	374.9	363.1	353.2	352.2	348.3	343.3	341.4	340.4	338.4	341.4
57.5°	353.2	338.4	327.6	318.7	314.7	314.7	309.8	305.9	305.9	304.9	305.9
60°	312.8	298.0	291.1	282.2	279.2	278.2	275.3	273.3	270.3	270.3	270.3
62.5°	275.3	263.4	255.5	247.6	248.6	243.7	239.7	237.8	237.8	238.8	238.8
65°	239.7	231.9	222.0	215.1	213.1	212.1	210.2	209.2	206.2	208.2	208.2
67.5°	207.2	196.3	190.4	187.5	184.5	183.5	181.5	179.6	178.6	177.6	179.6
70°	174.6	165.8	160.8	158.8	155.9	154.9	153.9	151.0	151.9	152.9	153.9
72.5°	145.0	137.1	136.2	130.2	130.2	130.2	126.3	128.3	127.3	125.3	127.3
75°	114.4	110.5	108.5	105.6	106.6	105.6	104.6	101.6	101.6	102.6	103.6
77.5°	90.8	86.8	85.8	82.9	80.9	82.9	80.9	79.9	79.9	80.9	80.9
80°	67.1	65.1	62.2	62.2	62.2	61.2	61.2	61.2	60.2	59.2	60.2
82.5°	44.4	44.4	43.4	42.4	43.4	41.4	42.4	42.4	42.4	42.4	42.4
85°	28.6	27.6	27.6	26.6	26.6	26.6	27.6	25.7	25.7	26.6	26.6
87.5°	12.8	12.8	12.8	13.8	12.8	12.8	12.8	13.8	12.8	12.8	12.8
90°	15.2	15.0	14.8	14.6	14.5	14.6	14.7	14.8	14.9	15.0	14.9
92.5°	13.8	13.9	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
95°	28.2	28.2	28.2	28.2	28.2	28.1	27.9	27.7	27.5	27.3	27.5
97.5°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
100°	60.8	60.8	60.8	60.8	60.8	60.8	60.7	60.6	60.5	60.4	60.5
102.5°	79.0	79.1	79.2	79.3	79.3	79.3	79.2	79.1	79.0	78.9	79.0
105°	97.1	97.3	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
107.5°	116.8	116.9	117.0	117.1	117.2	117.0	116.5	116.0	115.5	115.0	115.5
110°	137.0	137.0	137.0	137.0	137.0	136.9	136.6	136.3	136.0	135.7	136.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	157.4	157.1	156.8	156.5	156.4	156.3	156.1	155.9	155.7	155.5	155.7
115°	177.9	177.8	177.7	177.6	177.5	177.4	177.1	176.8	176.5	176.2	176.5
117.5°	197.9	197.6	197.3	197.0	196.9	196.8	196.5	196.2	195.9	195.6	195.9
120°	217.6	217.6	217.6	217.6	217.6	217.5	217.2	216.9	216.6	216.3	216.6
122.5°	238.5	238.2	237.9	237.6	237.4	237.3	237.1	237.0	236.8	236.6	236.8
125°	258.7	258.4	258.1	257.8	257.7	257.7	257.6	257.5	257.4	257.3	257.4
127.5°	278.5	278.1	277.7	277.3	277.1	277.0	276.7	276.4	276.1	275.8	276.1
130°	298.5	298.3	298.1	297.9	297.8	297.6	297.2	296.8	296.4	296.0	296.4
132.5°	318.4	317.9	317.4	316.9	316.7	316.6	316.3	316.0	315.7	315.4	315.7
135°	337.4	337.3	337.2	337.1	337.0	336.9	336.6	336.3	336.0	335.7	336.0
137.5°	355.9	355.8	355.7	355.6	355.5	355.3	354.9	354.6	354.2	353.8	354.2
140°	374.5	374.5	374.5	374.5	374.5	374.3	373.9	373.5	373.1	372.7	373.1
142.5°	391.3	391.4	391.5	391.6	391.6	391.4	391.0	390.7	390.3	389.9	390.3
145°	408.5	408.6	408.7	408.8	408.8	408.6	408.2	407.9	407.5	407.1	407.5
147.5°	423.6	423.8	423.9	424.1	424.2	424.0	423.6	423.3	422.9	422.5	422.9
150°	437.8	438.1	438.4	438.7	438.8	438.7	438.4	438.1	437.8	437.5	437.8
152.5°	452.0	452.4	452.7	453.1	453.3	453.1	452.7	452.4	452.0	451.6	452.0
155°	463.5	464.0	464.5	465.0	465.2	465.1	464.8	464.5	464.2	463.9	464.2
157.5°	474.7	475.4	476.1	476.8	477.1	476.9	476.4	475.9	475.4	474.9	475.4
160°	484.8	485.4	485.9	486.5	486.8	486.6	486.2	485.8	485.4	485.0	485.4
162.5°	493.7	494.3	495.0	495.7	496.0	495.8	495.3	494.8	494.3	493.8	494.3
165°	501.1	501.8	502.5	503.2	503.5	503.3	502.8	502.3	501.8	501.3	501.8
167.5°	507.8	508.4	509.1	509.8	510.1	509.9	509.4	508.9	508.4	507.9	508.4
170°	513.0	513.7	514.4	515.1	515.4	515.1	514.5	514.0	513.4	512.8	513.4
172.5°	517.0	517.7	518.4	519.1	519.4	519.1	518.5	517.9	517.3	516.7	517.3
175°	519.7	520.3	521.0	521.7	522.0	521.7	521.1	520.6	520.0	519.4	520.0
177.5°	521.3	521.9	522.5	523.1	523.4	523.1	522.5	521.9	521.3	520.7	521.3
180°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1360.6	1353.6	1347.7	1348.7	1353.6	1349.7	1339.8	1327.0	1322.1	1316.2	1322.1
5°	1442.4	1436.5	1424.7	1425.7	1422.7	1418.8	1403.0	1383.2	1383.2	1367.5	1365.5
7.5°	1523.3	1514.5	1506.6	1504.6	1493.7	1485.9	1472.0	1444.4	1433.6	1414.8	1404.0
10°	1614.1	1607.2	1598.3	1587.5	1581.6	1567.7	1545.0	1504.6	1484.9	1459.2	1440.5
12.5°	1705.9	1704.9	1685.1	1663.4	1662.5	1640.8	1625.0	1570.7	1544.1	1509.5	1465.1
15°	1764.1	1759.1	1748.3	1737.4	1740.4	1716.7	1681.2	1617.1	1599.3	1557.9	1510.5
17.5°	1763.1	1763.1	1760.1	1758.2	1755.2	1748.3	1728.6	1686.1	1657.5	1605.2	1560.8
20°	1706.9	1719.7	1722.6	1721.7	1731.5	1736.5	1735.5	1708.8	1686.1	1639.8	1594.4
22.5°	1594.4	1624.0	1636.8	1644.7	1665.4	1676.3	1701.9	1692.1	1686.1	1651.6	1613.1
25°	1489.8	1499.7	1538.1	1540.1	1568.7	1595.4	1621.0	1637.8	1659.5	1646.7	1614.1
27.5°	1354.6	1377.3	1404.9	1425.7	1431.6	1485.9	1528.3	1559.8	1609.2	1613.1	1602.3
30°	1201.7	1212.6	1257.9	1285.6	1317.1	1356.6	1417.8	1472.0	1516.4	1556.9	1570.7
32.5°	1015.2	1059.6	1086.3	1119.8	1147.4	1217.5	1292.5	1362.5	1413.8	1481.9	1511.5
35°	844.5	879.1	924.5	938.3	988.6	1047.8	1145.5	1235.2	1313.2	1382.3	1442.4
37.5°	703.5	731.1	779.4	801.1	830.7	906.7	988.6	1100.1	1193.8	1278.7	1353.6
40°	606.8	627.5	664.0	670.9	695.6	764.6	830.7	935.3	1059.6	1174.1	1256.0
42.5°	540.7	550.5	575.2	584.1	599.9	646.2	705.4	804.1	919.5	1037.9	1153.4
45°	493.3	500.2	515.0	522.9	542.6	563.4	611.7	690.6	781.4	900.8	1025.1
47.5°	450.9	459.8	465.7	470.6	481.5	504.2	535.7	593.9	680.8	790.3	910.7
50°	415.4	418.3	429.2	430.2	437.1	451.9	481.5	517.0	586.1	674.8	791.3
52.5°	379.8	382.8	389.7	396.6	399.6	411.4	431.2	460.8	512.1	582.1	685.7
55°	344.3	348.3	355.2	360.1	363.1	372.9	384.8	413.4	453.8	503.2	588.0
57.5°	308.8	317.7	319.7	322.6	327.6	338.4	349.3	366.0	397.6	443.0	505.2
60°	275.3	278.2	285.1	288.1	293.0	298.9	312.8	325.6	348.3	383.8	440.0
62.5°	240.7	247.6	250.6	253.6	257.5	264.4	273.3	287.1	306.8	335.5	379.8
65°	211.1	212.1	218.0	222.0	225.9	230.9	239.7	252.6	264.4	291.1	323.6
67.5°	182.5	184.5	186.5	190.4	195.4	200.3	208.2	215.1	229.9	247.6	273.3
70°	154.9	154.9	159.8	162.8	161.8	167.7	173.6	181.5	192.4	209.2	229.9
72.5°	130.2	129.2	133.2	134.2	136.2	140.1	144.0	151.9	157.9	170.7	186.5
75°	103.6	105.6	107.5	107.5	110.5	113.5	117.4	121.4	128.3	136.2	148.0
77.5°	81.9	81.9	83.9	84.8	87.8	86.8	90.8	94.7	99.6	106.6	115.4
80°	60.2	62.2	62.2	62.2	63.1	64.1	68.1	71.0	74.0	78.9	82.9
82.5°	42.4	42.4	44.4	44.4	44.4	46.4	46.4	47.4	49.3	52.3	55.3
85°	26.6	26.6	26.6	27.6	26.6	27.6	29.6	28.6	29.6	31.6	31.6
87.5°	12.8	12.8	12.8	12.8	12.8	13.8	12.8	13.8	14.8	14.8	14.8
90°	14.8	14.7	14.6	14.5	14.6	14.8	15.0	15.2	15.4	13.2	11.1
92.5°	14.1	14.1	14.1	14.1	14.1	14.0	13.9	13.8	13.7	13.6	13.5
95°	27.7	27.9	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.0	27.8
97.5°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	43.7	43.3
100°	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.5	60.2
102.5°	79.1	79.2	79.3	79.3	79.3	79.2	79.1	79.0	78.9	78.5	78.1
105°	97.8	97.8	97.8	97.8	97.7	97.5	97.3	97.1	96.9	96.7	96.5
107.5°	116.0	116.5	117.0	117.2	117.1	117.0	116.9	116.8	116.7	116.7	116.7
110°	136.3	136.6	136.9	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	155.9	156.1	156.3	156.4	156.5	156.8	157.1	157.4	157.7	157.8	157.9
115°	176.8	177.1	177.4	177.5	177.6	177.7	177.8	177.9	178.0	178.2	178.4
117.5°	196.2	196.5	196.8	196.9	197.0	197.3	197.6	197.9	198.2	198.7	199.2
120°	216.9	217.2	217.5	217.6	217.6	217.6	217.6	217.6	217.6	218.4	219.2
122.5°	237.0	237.1	237.3	237.4	237.6	237.9	238.2	238.5	238.8	239.3	239.8
125°	257.5	257.6	257.7	257.7	257.8	258.1	258.4	258.7	259.0	259.3	259.6
127.5°	276.4	276.7	277.0	277.1	277.3	277.7	278.1	278.5	278.9	279.3	279.7
130°	296.8	297.2	297.6	297.8	297.9	298.1	298.3	298.5	298.7	298.9	299.1
132.5°	316.0	316.3	316.6	316.7	316.9	317.4	317.9	318.4	318.9	318.8	318.7
135°	336.3	336.6	336.9	337.0	337.1	337.2	337.3	337.4	337.5	337.3	337.1
137.5°	354.6	354.9	355.3	355.5	355.6	355.7	355.8	355.9	356.0	355.8	355.6
140°	373.5	373.9	374.3	374.5	374.5	374.5	374.5	374.5	374.5	374.0	373.5
142.5°	390.7	391.0	391.4	391.6	391.6	391.5	391.4	391.3	391.2	390.9	390.6
145°	407.9	408.2	408.6	408.8	408.8	408.7	408.6	408.5	408.4	407.8	407.2
147.5°	423.3	423.6	424.0	424.2	424.1	423.9	423.8	423.6	423.4	423.0	422.6
150°	438.1	438.4	438.7	438.8	438.7	438.4	438.1	437.8	437.5	437.1	436.7
152.5°	452.4	452.7	453.1	453.3	453.1	452.7	452.4	452.0	451.6	451.1	450.6
155°	464.5	464.8	465.1	465.2	465.0	464.5	464.0	463.5	463.0	462.7	462.4
157.5°	475.9	476.4	476.9	477.1	476.8	476.1	475.4	474.7	474.0	473.8	473.6
160°	485.8	486.2	486.6	486.8	486.5	485.9	485.4	484.8	484.2	484.1	484.0
162.5°	494.8	495.3	495.8	496.0	495.7	495.0	494.3	493.7	493.0	492.9	492.8
165°	502.3	502.8	503.3	503.5	503.2	502.5	501.8	501.1	500.4	500.4	500.4
167.5°	508.9	509.4	509.9	510.1	509.8	509.1	508.4	507.8	507.1	507.1	507.1
170°	514.0	514.5	515.1	515.4	515.1	514.4	513.7	513.0	512.3	512.4	512.5
172.5°	517.9	518.5	519.1	519.4	519.1	518.4	517.7	517.0	516.3	516.4	516.5
175°	520.6	521.1	521.7	522.0	521.7	521.0	520.3	519.7	519.0	519.2	519.4
177.5°	521.9	522.5	523.1	523.4	523.1	522.5	521.9	521.3	520.7	520.9	521.1
180°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1317.1	1312.2	1309.2	1311.2	1305.3	1290.5	1290.5	1295.4	1289.5	1283.6	1274.7
5°	1353.6	1343.8	1337.9	1336.9	1323.1	1299.4	1294.4	1289.5	1276.7	1262.9	1248.1
7.5°	1389.2	1371.4	1361.5	1354.6	1334.9	1304.3	1291.5	1280.6	1259.9	1239.2	1220.5
10°	1418.8	1393.1	1381.3	1370.4	1344.8	1306.3	1285.6	1265.8	1239.2	1212.6	1188.9
12.5°	1442.4	1412.8	1398.0	1382.3	1350.7	1300.4	1274.7	1243.1	1216.5	1181.0	1157.3
15°	1481.9	1420.7	1406.9	1392.1	1359.6	1290.5	1258.9	1223.4	1186.9	1139.5	1113.9
17.5°	1513.5	1431.6	1430.6	1399.0	1356.6	1286.6	1238.2	1191.8	1152.4	1105.0	1064.6
20°	1532.2	1448.4	1432.6	1400.0	1346.7	1259.9	1209.6	1158.3	1115.9	1058.6	1018.2
22.5°	1548.0	1472.0	1430.6	1391.1	1326.0	1251.0	1177.0	1128.7	1070.5	1008.3	969.8
25°	1553.9	1477.0	1433.6	1388.2	1311.2	1225.4	1141.5	1089.2	1024.1	967.9	915.6
27.5°	1554.9	1476.0	1422.7	1375.4	1290.5	1191.8	1106.0	1050.8	978.7	913.6	861.3
30°	1545.0	1465.1	1416.8	1365.5	1270.8	1161.3	1062.6	1001.4	924.5	859.3	805.1
32.5°	1515.5	1443.4	1404.0	1347.7	1245.1	1118.8	1021.2	953.1	872.2	808.0	755.8
35°	1466.1	1416.8	1373.4	1321.1	1211.6	1079.4	979.7	899.8	817.9	756.7	707.4
37.5°	1404.9	1378.3	1337.9	1286.6	1173.1	1043.8	933.3	844.5	762.7	703.5	655.1
40°	1322.1	1329.0	1289.5	1243.1	1127.7	995.5	873.2	788.3	711.4	656.1	608.7
42.5°	1232.3	1260.9	1238.2	1193.8	1077.4	942.2	828.8	735.0	660.0	602.8	563.4
45°	1135.6	1184.9	1171.1	1138.6	1025.1	886.0	765.6	674.8	608.7	553.5	519.0
47.5°	1030.0	1100.1	1100.1	1076.4	966.9	829.7	711.4	618.6	553.5	514.0	480.5
50°	922.5	1001.4	1014.2	998.5	901.8	765.6	645.3	561.4	505.2	466.7	442.0
52.5°	810.0	901.8	925.5	917.6	832.7	704.4	591.0	509.1	457.8	424.2	402.5
55°	702.5	809.0	834.7	837.6	758.7	637.4	530.8	458.8	409.4	386.8	368.0
57.5°	600.9	703.5	732.1	737.0	683.7	576.2	474.6	411.4	367.0	348.3	333.5
60°	514.0	599.9	637.4	648.2	601.8	505.2	422.3	361.1	327.6	309.8	296.0
62.5°	443.0	512.1	551.5	554.5	533.8	443.0	368.0	316.7	288.1	272.3	265.4
65°	373.9	436.1	459.8	471.6	454.8	383.8	317.7	275.3	252.6	238.8	231.9
67.5°	318.7	358.1	377.9	393.7	376.9	323.6	270.3	235.8	219.0	205.2	201.3
70°	261.5	294.0	308.8	324.6	309.8	269.3	230.9	199.3	184.5	173.6	168.7
72.5°	209.2	234.8	248.6	258.5	249.6	216.1	184.5	162.8	151.9	144.0	141.1
75°	165.8	183.5	191.4	198.3	194.4	168.7	149.0	131.2	121.4	114.4	112.5
77.5°	126.3	139.1	148.0	150.0	145.0	128.3	111.5	100.6	92.7	88.8	86.8
80°	89.8	97.7	102.6	105.6	100.6	93.7	81.9	74.0	67.1	62.2	61.2
82.5°	60.2	64.1	68.1	67.1	65.1	59.2	52.3	48.3	45.4	41.4	41.4
85°	34.5	35.5	37.5	38.5	37.5	33.5	29.6	27.6	25.7	22.7	22.7
87.5°	14.8	15.8	15.8	16.8	14.8	14.8	12.8	10.9	10.9	9.9	8.9
90°	8.9	6.8	5.7	5.1	3.9	2.8	1.6	0.4	1.6	2.8	3.9
92.5°	13.4	13.3	13.2	12.8	12.0	11.3	10.5	9.7	10.5	11.3	12.0
95°	27.6	27.4	27.3	26.8	25.8	24.9	23.9	22.9	23.9	24.9	25.8
97.5°	42.9	42.5	42.3	41.9	41.0	40.1	39.2	38.3	39.2	40.1	41.0
100°	59.9	59.6	59.5	59.1	58.3	57.5	56.7	55.9	56.7	57.5	58.3
102.5°	77.7	77.3	77.1	76.8	76.2	75.7	75.1	74.5	75.1	75.7	76.2
105°	96.3	96.1	96.0	95.9	95.6	95.3	95.0	94.7	95.0	95.3	95.6
107.5°	116.7	116.7	116.7	116.5	116.1	115.8	115.4	115.0	115.4	115.8	116.1
110°	137.0	137.0	137.0	136.7	136.1	135.6	135.0	134.4	135.0	135.6	136.1

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	158.0	158.1	158.2	157.9	157.3	156.7	156.1	155.5	156.1	156.7	157.3
115°	178.6	178.8	178.9	178.6	178.0	177.4	176.8	176.2	176.8	177.4	178.0
117.5°	199.7	200.2	200.4	200.0	199.2	198.5	197.7	196.9	197.7	198.5	199.2
120°	219.9	220.7	221.1	220.7	219.9	219.2	218.4	217.6	218.4	219.2	219.9
122.5°	240.3	240.8	241.0	240.5	239.5	238.6	237.6	236.6	237.6	238.6	239.5
125°	259.9	260.2	260.4	260.0	259.1	258.2	257.3	256.4	257.3	258.2	259.1
127.5°	280.0	280.4	280.6	280.1	279.0	277.9	276.9	275.8	276.9	277.9	279.0
130°	299.3	299.5	299.6	299.0	297.7	296.4	295.1	293.8	295.1	296.4	297.7
132.5°	318.6	318.5	318.5	318.0	317.0	316.1	315.1	314.1	315.1	316.1	317.0
135°	336.9	336.7	336.6	336.1	335.0	333.9	332.8	331.7	332.8	333.9	335.0
137.5°	355.4	355.2	355.1	354.7	353.8	352.9	352.0	351.1	352.0	352.9	353.8
140°	373.0	372.5	372.3	371.9	371.0	370.1	369.2	368.3	369.2	370.1	371.0
142.5°	390.3	390.0	389.9	389.5	388.6	387.7	386.8	385.9	386.8	387.7	388.6
145°	406.6	406.0	405.7	405.4	404.7	404.0	403.4	402.7	403.4	404.0	404.7
147.5°	422.2	421.8	421.6	421.2	420.3	419.4	418.5	417.6	418.5	419.4	420.3
150°	436.3	435.9	435.7	435.4	434.8	434.2	433.6	433.0	433.6	434.2	434.8
152.5°	450.1	449.6	449.3	449.0	448.4	447.9	447.3	446.7	447.3	447.9	448.4
155°	462.1	461.8	461.7	461.6	461.3	461.0	460.7	460.4	460.7	461.0	461.3
157.5°	473.4	473.2	473.1	473.0	472.8	472.7	472.5	472.3	472.5	472.7	472.8
160°	483.9	483.8	483.7	483.6	483.4	483.2	483.0	482.8	483.0	483.2	483.4
162.5°	492.7	492.6	492.5	492.5	492.5	492.5	492.5	492.5	492.5	492.5	492.5
165°	500.4	500.4	500.4	500.5	500.6	500.7	500.8	500.9	500.8	500.7	500.6
167.5°	507.1	507.1	507.1	507.2	507.5	507.8	508.1	508.4	508.1	507.8	507.5
170°	512.6	512.7	512.8	512.9	513.2	513.5	513.8	514.1	513.8	513.5	513.2
172.5°	516.6	516.7	516.7	516.9	517.2	517.5	517.8	518.1	517.8	517.5	517.2
175°	519.5	519.7	519.8	520.0	520.3	520.6	520.9	521.2	520.9	520.6	520.3
177.5°	521.3	521.5	521.6	521.7	522.0	522.3	522.6	522.9	522.6	522.3	522.0
180°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1269.8	1274.7	1273.7	1263.9	1253.0	1244.1	1227.4	1229.3	1223.4	1224.4	1230.3
5°	1238.2	1238.2	1234.3	1220.5	1202.7	1192.8	1174.1	1169.1	1157.3	1156.3	1155.3
7.5°	1204.7	1199.7	1194.8	1175.1	1153.4	1137.6	1111.9	1106.0	1094.2	1086.3	1082.3
10°	1165.2	1158.3	1148.4	1125.7	1099.1	1079.4	1052.7	1044.8	1022.1	1012.3	1006.4
12.5°	1121.8	1117.8	1102.1	1083.3	1039.9	1018.2	979.7	987.6	964.9	945.2	942.2
15°	1078.4	1063.6	1054.7	1024.1	971.8	962.0	931.4	915.6	894.9	879.1	879.1
17.5°	1036.0	1013.3	993.5	961.0	922.5	894.9	872.2	864.3	838.6	822.8	819.9
20°	979.7	954.1	949.1	902.8	876.1	845.5	823.8	804.1	785.4	778.4	773.5
22.5°	926.4	896.8	888.9	849.5	822.8	792.3	770.6	756.7	742.9	738.0	729.1
25°	869.2	851.5	839.6	797.2	767.6	739.0	724.2	714.3	701.5	700.5	694.6
27.5°	814.0	797.2	785.4	744.9	723.2	696.6	684.7	673.9	667.0	664.0	661.0
30°	766.6	747.9	734.0	704.4	677.8	656.1	646.2	639.3	635.4	630.5	629.5
32.5°	714.3	703.5	684.7	662.0	641.3	620.6	614.7	609.7	603.8	601.8	600.9
35°	669.9	655.1	643.3	617.6	608.7	591.0	584.1	580.1	572.2	570.3	568.3
37.5°	626.5	612.7	599.9	584.1	567.3	557.4	553.5	547.6	543.6	544.6	542.6
40°	583.1	572.2	562.4	545.6	535.7	530.8	522.9	517.0	515.0	516.0	515.0
42.5°	540.7	530.8	524.9	512.1	502.2	497.3	492.3	486.4	489.4	489.4	492.3
45°	502.2	493.3	489.4	479.5	473.6	465.7	460.8	459.8	463.7	462.7	462.7
47.5°	462.7	459.8	454.8	446.0	438.1	433.1	432.1	432.1	436.1	438.1	437.1
50°	432.1	426.2	420.3	413.4	407.5	405.5	402.5	404.5	408.5	408.5	410.4
52.5°	393.7	389.7	387.7	381.8	377.9	377.9	377.9	378.9	381.8	384.8	383.8
55°	360.1	357.2	355.2	352.2	347.3	348.3	347.3	349.3	352.2	355.2	357.2
57.5°	324.6	323.6	321.6	316.7	316.7	315.7	318.7	319.7	324.6	326.6	329.5
60°	293.0	290.1	290.1	286.1	286.1	286.1	289.1	292.0	296.0	297.0	298.9
62.5°	259.5	259.5	258.5	255.5	255.5	258.5	259.5	263.4	265.4	265.4	268.4
65°	227.9	226.9	225.9	226.9	227.9	227.9	230.9	232.8	234.8	235.8	236.8
67.5°	196.3	195.4	197.3	196.3	198.3	202.3	201.3	204.2	207.2	207.2	208.2
70°	166.7	168.7	167.7	169.7	168.7	170.7	173.6	174.6	174.6	175.6	178.6
72.5°	139.1	139.1	139.1	138.1	139.1	141.1	143.1	144.0	146.0	147.0	150.0
75°	112.5	112.5	110.5	112.5	112.5	114.4	116.4	116.4	116.4	118.4	121.4
77.5°	84.8	85.8	84.8	86.8	86.8	87.8	89.8	88.8	90.8	91.8	92.7
80°	62.2	61.2	61.2	61.2	62.2	62.2	64.1	65.1	65.1	68.1	66.1
82.5°	39.5	40.5	39.5	40.5	40.5	41.4	40.5	41.4	42.4	44.4	43.4
85°	22.7	21.7	21.7	22.7	21.7	21.7	22.7	21.7	22.7	21.7	22.7
87.5°	8.9	7.9	7.9	7.9	7.9	6.9	6.9	5.9	5.9	5.9	4.9
90°	5.1	5.7	6.8	8.9	11.1	13.2	15.4	15.2	15.0	14.8	14.6
92.5°	12.8	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1
95°	26.8	27.3	27.4	27.6	27.8	28.0	28.2	28.2	28.2	28.2	28.2
97.5°	41.9	42.3	42.5	42.9	43.3	43.7	44.1	44.1	44.1	44.1	44.1
100°	59.1	59.5	59.6	59.9	60.2	60.5	60.8	60.8	60.8	60.8	60.8
102.5°	76.8	77.1	77.3	77.7	78.1	78.5	78.9	79.0	79.1	79.2	79.3
105°	95.9	96.0	96.1	96.3	96.5	96.7	96.9	97.1	97.3	97.5	97.7
107.5°	116.5	116.7	116.7	116.7	116.7	116.7	116.7	116.8	116.9	117.0	117.1
110°	136.7	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	157.9	158.2	158.1	158.0	157.9	157.8	157.7	157.4	157.1	156.8	156.5
115°	178.6	178.9	178.8	178.6	178.4	178.2	178.0	177.9	177.8	177.7	177.6
117.5°	200.0	200.4	200.2	199.7	199.2	198.7	198.2	197.9	197.6	197.3	197.0
120°	220.7	221.1	220.7	219.9	219.2	218.4	217.6	217.6	217.6	217.6	217.6
122.5°	240.5	241.0	240.8	240.3	239.8	239.3	238.8	238.5	238.2	237.9	237.6
125°	260.0	260.4	260.2	259.9	259.6	259.3	259.0	258.7	258.4	258.1	257.8
127.5°	280.1	280.6	280.4	280.0	279.7	279.3	278.9	278.5	278.1	277.7	277.3
130°	299.0	299.6	299.5	299.3	299.1	298.9	298.7	298.5	298.3	298.1	297.9
132.5°	318.0	318.5	318.5	318.6	318.7	318.8	318.9	318.4	317.9	317.4	316.9
135°	336.1	336.6	336.7	336.9	337.1	337.3	337.5	337.4	337.3	337.2	337.1
137.5°	354.7	355.1	355.2	355.4	355.6	355.8	356.0	355.9	355.8	355.7	355.6
140°	371.9	372.3	372.5	373.0	373.5	374.0	374.5	374.5	374.5	374.5	374.5
142.5°	389.5	389.9	390.0	390.3	390.6	390.9	391.2	391.3	391.4	391.5	391.6
145°	405.4	405.7	406.0	406.6	407.2	407.8	408.4	408.5	408.6	408.7	408.8
147.5°	421.2	421.6	421.8	422.2	422.6	423.0	423.4	423.6	423.8	423.9	424.1
150°	435.4	435.7	435.9	436.3	436.7	437.1	437.5	437.8	438.1	438.4	438.7
152.5°	449.0	449.3	449.6	450.1	450.6	451.1	451.6	452.0	452.4	452.7	453.1
155°	461.6	461.7	461.8	462.1	462.4	462.7	463.0	463.5	464.0	464.5	465.0
157.5°	473.0	473.1	473.2	473.4	473.6	473.8	474.0	474.7	475.4	476.1	476.8
160°	483.6	483.7	483.8	483.9	484.0	484.1	484.2	484.8	485.4	485.9	486.5
162.5°	492.5	492.5	492.6	492.7	492.8	492.9	493.0	493.7	494.3	495.0	495.7
165°	500.5	500.4	500.4	500.4	500.4	500.4	500.4	501.1	501.8	502.5	503.2
167.5°	507.2	507.1	507.1	507.1	507.1	507.1	507.1	507.8	508.4	509.1	509.8
170°	512.9	512.8	512.7	512.6	512.5	512.4	512.3	513.0	513.7	514.4	515.1
172.5°	516.9	516.7	516.7	516.6	516.5	516.4	516.3	517.0	517.7	518.4	519.1
175°	520.0	519.8	519.7	519.5	519.4	519.2	519.0	519.7	520.3	521.0	521.7
177.5°	521.7	521.6	521.5	521.3	521.1	520.9	520.7	521.3	521.9	522.5	523.1
180°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1223.4	1226.4	1219.5	1217.5	1219.5	1212.6	1214.5	1216.5	1216.5	1219.5	1221.4
5°	1152.4	1148.4	1141.5	1139.5	1137.6	1140.5	1138.6	1141.5	1142.5	1149.4	1150.4
7.5°	1082.3	1076.4	1070.5	1064.6	1062.6	1057.7	1062.6	1062.6	1069.5	1067.5	1072.5
10°	999.4	998.5	990.6	987.6	983.7	975.8	986.6	983.7	988.6	997.5	999.4
12.5°	938.3	927.4	932.4	918.5	923.5	915.6	916.6	916.6	924.5	925.5	923.5
15°	880.1	871.2	858.4	852.4	849.5	845.5	858.4	859.3	853.4	867.2	862.3
17.5°	820.9	820.9	809.0	806.1	798.2	802.1	800.1	801.1	799.2	809.0	814.0
20°	769.6	764.6	760.7	761.7	751.8	749.8	747.9	749.8	756.7	763.6	765.6
22.5°	728.1	725.2	715.3	717.3	709.4	712.3	710.4	715.3	716.3	716.3	723.2
25°	688.7	684.7	685.7	681.8	678.8	678.8	675.8	678.8	682.7	684.7	685.7
27.5°	659.1	656.1	651.2	648.2	650.2	645.3	649.2	652.2	652.2	650.2	652.2
30°	623.5	625.5	625.5	615.7	619.6	617.6	620.6	622.6	622.6	623.5	621.6
32.5°	599.9	593.9	593.0	592.0	592.0	588.0	588.0	591.0	592.0	593.0	595.9
35°	568.3	568.3	563.4	566.3	562.4	563.4	562.4	563.4	565.3	562.4	565.3
37.5°	539.7	540.7	538.7	540.7	541.7	539.7	537.7	541.7	539.7	539.7	537.7
40°	515.0	514.0	515.0	515.0	515.0	516.0	514.0	514.0	514.0	512.1	510.1
42.5°	494.3	488.4	490.4	491.3	488.4	488.4	489.4	488.4	491.3	485.4	485.4
45°	464.7	462.7	463.7	463.7	465.7	462.7	464.7	465.7	462.7	461.7	459.8
47.5°	438.1	440.0	438.1	440.0	440.0	442.0	438.1	439.0	440.0	436.1	433.1
50°	411.4	411.4	414.4	413.4	414.4	412.4	412.4	411.4	412.4	410.4	407.5
52.5°	386.8	383.8	388.7	387.7	386.8	385.8	384.8	385.8	383.8	381.8	381.8
55°	356.2	356.2	359.1	360.1	360.1	358.1	356.2	357.2	356.2	355.2	354.2
57.5°	331.5	327.6	329.5	330.5	330.5	327.6	329.5	327.6	327.6	328.5	325.6
60°	299.9	299.9	298.0	300.9	300.9	298.9	298.9	299.9	298.0	297.0	296.0
62.5°	266.4	267.4	270.3	271.3	272.3	270.3	268.4	269.3	269.3	266.4	267.4
65°	237.8	239.7	243.7	242.7	240.7	241.7	239.7	240.7	237.8	238.8	235.8
67.5°	210.2	209.2	210.2	210.2	212.1	211.1	209.2	209.2	208.2	211.1	208.2
70°	180.6	180.6	180.6	180.6	181.5	182.5	180.6	178.6	179.6	177.6	176.6
72.5°	150.0	151.0	150.0	151.9	149.0	151.0	151.0	150.0	149.0	149.0	149.0
75°	121.4	123.3	120.4	121.4	120.4	122.3	121.4	121.4	119.4	118.4	119.4
77.5°	92.7	93.7	91.8	92.7	91.8	92.7	92.7	91.8	91.8	91.8	91.8
80°	66.1	67.1	66.1	65.1	64.1	66.1	64.1	65.1	66.1	65.1	67.1
82.5°	42.4	42.4	41.4	42.4	40.5	40.5	41.4	41.4	40.5	42.4	40.5
85°	20.7	20.7	22.7	20.7	19.7	19.7	19.7	20.7	19.7	21.7	20.7
87.5°	4.9	3.9	4.9	4.9	3.9	3.9	4.9	3.9	4.9	5.9	3.9
90°	14.5	14.6	14.7	14.8	14.9	15.0	14.9	14.8	14.7	14.6	14.5
92.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
95°	28.2	28.1	27.9	27.7	27.5	27.3	27.5	27.7	27.9	28.1	28.2
97.5°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
100°	60.8	60.8	60.7	60.6	60.5	60.4	60.5	60.6	60.7	60.8	60.8
102.5°	79.3	79.3	79.2	79.1	79.0	78.9	79.0	79.1	79.2	79.3	79.3
105°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
107.5°	117.2	117.0	116.5	116.0	115.5	115.0	115.5	116.0	116.5	117.0	117.2
110°	137.0	136.9	136.6	136.3	136.0	135.7	136.0	136.3	136.6	136.9	137.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	156.4	156.3	156.1	155.9	155.7	155.5	155.7	155.9	156.1	156.3	156.4
115°	177.5	177.4	177.1	176.8	176.5	176.2	176.5	176.8	177.1	177.4	177.5
117.5°	196.9	196.8	196.5	196.2	195.9	195.6	195.9	196.2	196.5	196.8	196.9
120°	217.6	217.5	217.2	216.9	216.6	216.3	216.6	216.9	217.2	217.5	217.6
122.5°	237.4	237.3	237.1	237.0	236.8	236.6	236.8	237.0	237.1	237.3	237.4
125°	257.7	257.7	257.6	257.5	257.4	257.3	257.4	257.5	257.6	257.7	257.7
127.5°	277.1	277.0	276.7	276.4	276.1	275.8	276.1	276.4	276.7	277.0	277.1
130°	297.8	297.6	297.2	296.8	296.4	296.0	296.4	296.8	297.2	297.6	297.8
132.5°	316.7	316.6	316.3	316.0	315.7	315.4	315.7	316.0	316.3	316.6	316.7
135°	337.0	336.9	336.6	336.3	336.0	335.7	336.0	336.3	336.6	336.9	337.0
137.5°	355.5	355.3	354.9	354.6	354.2	353.8	354.2	354.6	354.9	355.3	355.5
140°	374.5	374.3	373.9	373.5	373.1	372.7	373.1	373.5	373.9	374.3	374.5
142.5°	391.6	391.4	391.0	390.7	390.3	389.9	390.3	390.7	391.0	391.4	391.6
145°	408.8	408.6	408.2	407.9	407.5	407.1	407.5	407.9	408.2	408.6	408.8
147.5°	424.2	424.0	423.6	423.3	422.9	422.5	422.9	423.3	423.6	424.0	424.2
150°	438.8	438.7	438.4	438.1	437.8	437.5	437.8	438.1	438.4	438.7	438.8
152.5°	453.3	453.1	452.7	452.4	452.0	451.6	452.0	452.4	452.7	453.1	453.3
155°	465.2	465.1	464.8	464.5	464.2	463.9	464.2	464.5	464.8	465.1	465.2
157.5°	477.1	476.9	476.4	475.9	475.4	474.9	475.4	475.9	476.4	476.9	477.1
160°	486.8	486.6	486.2	485.8	485.4	485.0	485.4	485.8	486.2	486.6	486.8
162.5°	496.0	495.8	495.3	494.8	494.3	493.8	494.3	494.8	495.3	495.8	496.0
165°	503.5	503.3	502.8	502.3	501.8	501.3	501.8	502.3	502.8	503.3	503.5
167.5°	510.1	509.9	509.4	508.9	508.4	507.9	508.4	508.9	509.4	509.9	510.1
170°	515.4	515.1	514.5	514.0	513.4	512.8	513.4	514.0	514.5	515.1	515.4
172.5°	519.4	519.1	518.5	517.9	517.3	516.7	517.3	517.9	518.5	519.1	519.4
175°	522.0	521.7	521.1	520.6	520.0	519.4	520.0	520.6	521.1	521.7	522.0
177.5°	523.4	523.1	522.5	521.9	521.3	520.7	521.3	521.9	522.5	523.1	523.4
180°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1218.5	1226.4	1223.4	1212.6	1225.4	1225.4	1234.3	1234.3	1245.1	1249.1	1255.0
5°	1149.4	1155.3	1160.3	1155.3	1164.2	1178.0	1185.9	1192.8	1207.6	1213.5	1222.4
7.5°	1075.4	1086.3	1091.2	1091.2	1106.0	1121.8	1137.6	1147.4	1168.2	1176.1	1184.9
10°	1003.4	1016.2	1026.1	1025.1	1049.8	1059.6	1079.4	1102.1	1122.8	1134.6	1147.4
12.5°	927.4	934.3	948.1	967.9	973.8	991.6	1014.2	1042.9	1080.4	1091.2	1109.9
15°	864.3	883.0	893.9	902.8	916.6	933.3	958.0	985.6	1023.1	1046.8	1066.5
17.5°	811.0	835.7	842.6	840.6	858.4	884.0	912.6	933.3	966.9	995.5	1014.2
20°	767.6	777.5	789.3	794.2	808.0	835.7	863.3	887.0	914.6	937.3	959.0
22.5°	724.2	732.1	741.9	750.8	761.7	777.5	804.1	833.7	860.3	882.0	906.7
25°	688.7	693.6	702.5	709.4	721.2	732.1	750.8	783.4	814.9	827.8	849.5
27.5°	654.1	658.1	664.0	671.9	677.8	688.7	705.4	732.1	764.6	777.5	807.1
30°	623.5	626.5	632.4	636.4	639.3	652.2	665.0	685.7	710.4	728.1	749.8
32.5°	594.9	597.9	603.8	604.8	608.7	615.7	627.5	646.2	667.9	682.7	701.5
35°	563.4	565.3	571.3	573.2	576.2	582.1	591.0	604.8	624.5	635.4	652.2
37.5°	538.7	537.7	541.7	544.6	548.6	551.5	554.5	568.3	583.1	593.0	605.8
40°	512.1	510.1	511.1	515.0	517.0	520.9	520.9	534.7	544.6	552.5	562.4
42.5°	485.4	484.4	482.5	484.4	486.4	487.4	488.4	498.2	508.1	515.0	525.9
45°	458.8	457.8	455.8	456.8	456.8	458.8	461.7	465.7	472.6	478.5	484.4
47.5°	434.1	432.1	429.2	428.2	430.2	430.2	430.2	434.1	441.0	443.0	448.9
50°	408.5	405.5	401.6	399.6	399.6	398.6	400.6	401.6	407.5	409.4	414.4
52.5°	380.8	378.9	374.9	371.0	372.0	370.0	371.0	372.0	373.9	376.9	379.8
55°	353.2	349.3	346.3	345.3	342.4	342.4	339.4	343.3	342.4	343.3	347.3
57.5°	326.6	322.6	317.7	315.7	312.8	311.8	309.8	308.8	309.8	312.8	315.7
60°	295.0	293.0	290.1	287.1	285.1	282.2	280.2	280.2	279.2	279.2	280.2
62.5°	264.4	263.4	259.5	258.5	256.5	254.5	251.6	249.6	249.6	251.6	252.6
65°	234.8	233.8	230.9	229.9	224.9	223.0	222.0	221.0	219.0	219.0	219.0
67.5°	207.2	204.2	204.2	199.3	195.4	193.4	191.4	190.4	190.4	190.4	191.4
70°	176.6	176.6	173.6	170.7	166.7	167.7	164.8	161.8	161.8	159.8	160.8
72.5°	147.0	146.0	143.1	142.1	139.1	136.2	134.2	136.2	133.2	132.2	133.2
75°	118.4	117.4	115.4	113.5	114.4	111.5	108.5	107.5	107.5	105.6	105.6
77.5°	90.8	92.7	88.8	87.8	85.8	83.9	82.9	81.9	81.9	81.9	83.9
80°	63.1	64.1	64.1	62.2	63.1	60.2	60.2	60.2	57.2	58.2	59.2
82.5°	40.5	40.5	39.5	40.5	39.5	39.5	38.5	38.5	37.5	37.5	38.5
85°	22.7	21.7	20.7	22.7	21.7	21.7	20.7	20.7	20.7	20.7	20.7
87.5°	4.9	5.9	5.9	5.9	5.9	6.9	6.9	6.9	7.9	7.9	7.9
90°	14.6	14.8	15.0	15.2	15.4	13.2	11.1	8.9	6.8	5.7	5.1
92.5°	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4	13.3	13.2	12.8
95°	28.2	28.2	28.2	28.2	28.2	28.0	27.8	27.6	27.4	27.3	26.8
97.5°	44.1	44.1	44.1	44.1	44.1	43.7	43.3	42.9	42.5	42.3	41.9
100°	60.8	60.8	60.8	60.8	60.8	60.5	60.2	59.9	59.6	59.5	59.1
102.5°	79.3	79.2	79.1	79.0	78.9	78.5	78.1	77.7	77.3	77.1	76.8
105°	97.7	97.5	97.3	97.1	96.9	96.7	96.5	96.3	96.1	96.0	95.9
107.5°	117.1	117.0	116.9	116.8	116.7	116.7	116.7	116.7	116.7	116.7	116.5
110°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	136.7

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	156.5	156.8	157.1	157.4	157.7	157.8	157.9	158.0	158.1	158.2	157.9
115°	177.6	177.7	177.8	177.9	178.0	178.2	178.4	178.6	178.8	178.9	178.6
117.5°	197.0	197.3	197.6	197.9	198.2	198.7	199.2	199.7	200.2	200.4	200.0
120°	217.6	217.6	217.6	217.6	217.6	218.4	219.2	219.9	220.7	221.1	220.7
122.5°	237.6	237.9	238.2	238.5	238.8	239.3	239.8	240.3	240.8	241.0	240.5
125°	257.8	258.1	258.4	258.7	259.0	259.3	259.6	259.9	260.2	260.4	260.0
127.5°	277.3	277.7	278.1	278.5	278.9	279.3	279.7	280.0	280.4	280.6	280.1
130°	297.9	298.1	298.3	298.5	298.7	298.9	299.1	299.3	299.5	299.6	299.0
132.5°	316.9	317.4	317.9	318.4	318.9	318.8	318.7	318.6	318.5	318.5	318.0
135°	337.1	337.2	337.3	337.4	337.5	337.3	337.1	336.9	336.7	336.6	336.1
137.5°	355.6	355.7	355.8	355.9	356.0	355.8	355.6	355.4	355.2	355.1	354.7
140°	374.5	374.5	374.5	374.5	374.5	374.0	373.5	373.0	372.5	372.3	371.9
142.5°	391.6	391.5	391.4	391.3	391.2	390.9	390.6	390.3	390.0	389.9	389.5
145°	408.8	408.7	408.6	408.5	408.4	407.8	407.2	406.6	406.0	405.7	405.4
147.5°	424.1	423.9	423.8	423.6	423.4	423.0	422.6	422.2	421.8	421.6	421.2
150°	438.7	438.4	438.1	437.8	437.5	437.1	436.7	436.3	435.9	435.7	435.4
152.5°	453.1	452.7	452.4	452.0	451.6	451.1	450.6	450.1	449.6	449.3	449.0
155°	465.0	464.5	464.0	463.5	463.0	462.7	462.4	462.1	461.8	461.7	461.6
157.5°	476.8	476.1	475.4	474.7	474.0	473.8	473.6	473.4	473.2	473.1	473.0
160°	486.5	485.9	485.4	484.8	484.2	484.1	484.0	483.9	483.8	483.7	483.6
162.5°	495.7	495.0	494.3	493.7	493.0	492.9	492.8	492.7	492.6	492.5	492.5
165°	503.2	502.5	501.8	501.1	500.4	500.4	500.4	500.4	500.4	500.4	500.5
167.5°	509.8	509.1	508.4	507.8	507.1	507.1	507.1	507.1	507.1	507.1	507.2
170°	515.1	514.4	513.7	513.0	512.3	512.4	512.5	512.6	512.7	512.8	512.9
172.5°	519.1	518.4	517.7	517.0	516.3	516.4	516.5	516.6	516.7	516.7	516.9
175°	521.7	521.0	520.3	519.7	519.0	519.2	519.4	519.5	519.7	519.8	520.0
177.5°	523.1	522.5	521.9	521.3	520.7	520.9	521.1	521.3	521.5	521.6	521.7
180°	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0	522.0

TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1283.6	1283.6	1283.6	1283.6
2.5°	1259.9	1259.9	1274.7	1290.5
5°	1232.3	1239.2	1262.9	1284.6
7.5°	1205.7	1217.5	1247.1	1274.7
10°	1173.1	1188.9	1225.4	1257.9
12.5°	1141.5	1156.3	1198.7	1235.2
15°	1097.1	1115.9	1161.3	1206.6
17.5°	1052.7	1071.5	1126.7	1180.0
20°	1000.4	1025.1	1087.3	1158.3
22.5°	952.1	982.7	1051.7	1109.0
25°	898.8	946.2	1010.3	1084.3
27.5°	851.5	898.8	963.9	1038.9
30°	798.2	846.5	913.6	982.7
32.5°	746.9	791.3	856.4	941.2
35°	693.6	736.0	799.2	885.0
37.5°	645.3	686.7	755.8	834.7
40°	597.9	641.3	700.5	779.4
42.5°	553.5	592.0	645.3	724.2
45°	513.0	540.7	590.0	664.0
47.5°	470.6	495.3	540.7	614.7
50°	431.2	451.9	491.3	560.4
52.5°	392.7	410.4	446.9	502.2
55°	358.1	374.9	401.6	455.8
57.5°	322.6	335.5	361.1	404.5
60°	288.1	299.9	320.7	356.2
62.5°	253.6	263.4	283.2	311.8
65°	223.0	230.9	245.7	270.3
67.5°	193.4	198.3	210.2	229.9
70°	164.8	168.7	178.6	194.4
72.5°	134.2	138.1	149.0	159.8
75°	108.5	109.5	117.4	126.3
77.5°	84.8	83.9	89.8	96.7
80°	58.2	61.2	66.1	69.1
82.5°	39.5	40.5	42.4	44.4
85°	21.7	22.7	22.7	25.7
87.5°	8.9	9.9	9.9	10.9
90°	3.9	2.8	1.6	0.4
92.5°	12.0	11.3	10.5	9.7
95°	25.8	24.9	23.9	22.9
97.5°	41.0	40.1	39.2	38.3
100°	58.3	57.5	56.7	55.9
102.5°	76.2	75.7	75.1	74.5
105°	95.6	95.3	95.0	94.7
107.5°	116.1	115.8	115.4	115.0
110°	136.1	135.6	135.0	134.4



TEST NUMBER: P1029659

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	157.3	156.7	156.1	155.5
115°	178.0	177.4	176.8	176.2
117.5°	199.2	198.5	197.7	196.9
120°	219.9	219.2	218.4	217.6
122.5°	239.5	238.6	237.6	236.6
125°	259.1	258.2	257.3	256.4
127.5°	279.0	277.9	276.9	275.8
130°	297.7	296.4	295.1	293.8
132.5°	317.0	316.1	315.1	314.1
135°	335.0	333.9	332.8	331.7
137.5°	353.8	352.9	352.0	351.1
140°	371.0	370.1	369.2	368.3
142.5°	388.6	387.7	386.8	385.9
145°	404.7	404.0	403.4	402.7
147.5°	420.3	419.4	418.5	417.6
150°	434.8	434.2	433.6	433.0
152.5°	448.4	447.9	447.3	446.7
155°	461.3	461.0	460.7	460.4
157.5°	472.8	472.7	472.5	472.3
160°	483.4	483.2	483.0	482.8
162.5°	492.5	492.5	492.5	492.5
165°	500.6	500.7	500.8	500.9
167.5°	507.5	507.8	508.1	508.4
170°	513.2	513.5	513.8	514.1
172.5°	517.2	517.5	517.8	518.1
175°	520.3	520.6	520.9	521.2
177.5°	522.0	522.3	522.6	522.9
180°	522.0	522.0	522.0	522.0

(END OF REPORT)