

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: P1029656

Luminaire Tested: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029656
REPORT IS A COMBINATION OF REPORTS P986558 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_3000K
Description: Define 2 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

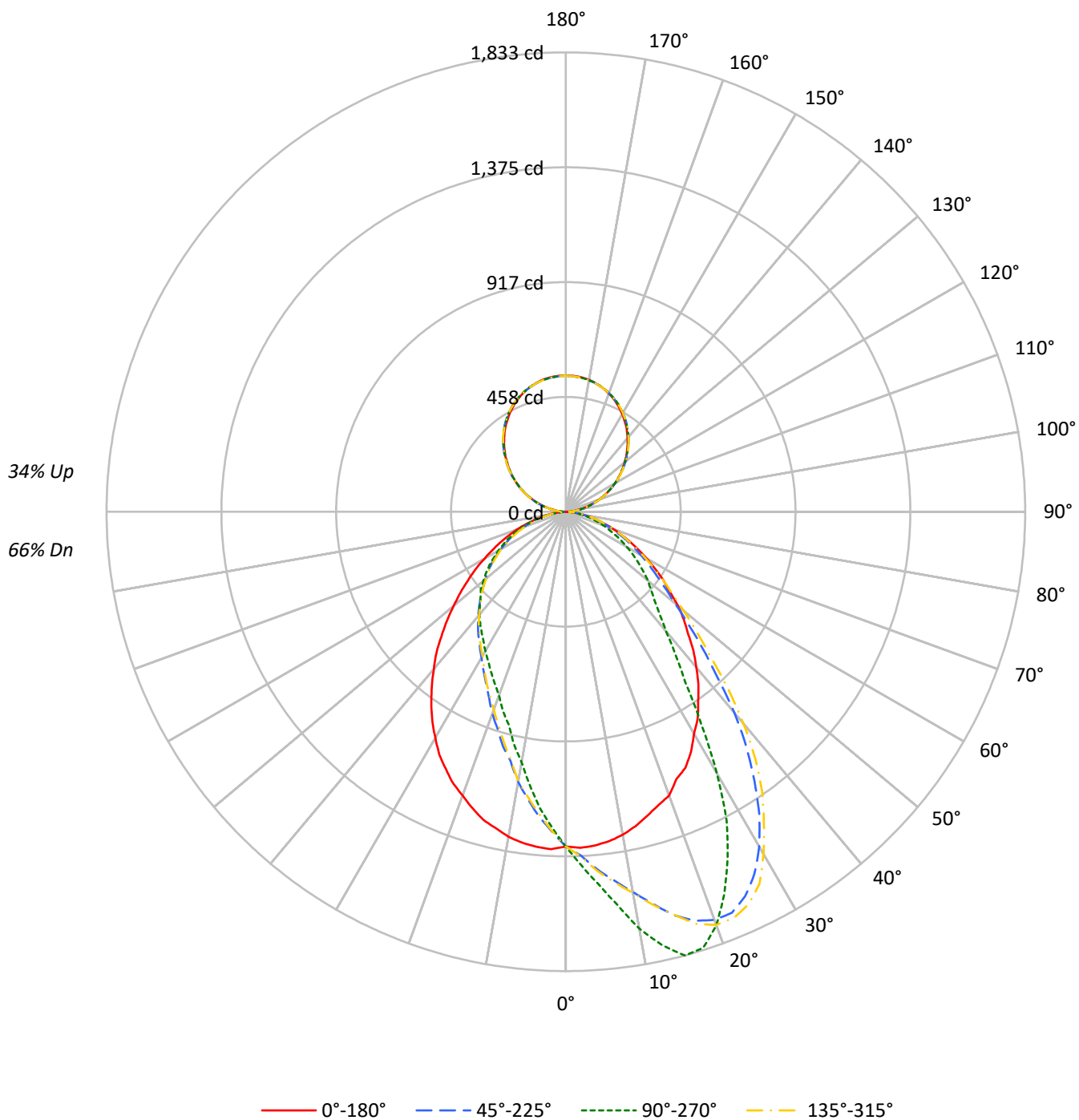
Lumens per Lamp: N/A
Luminaire Lumens: 4465.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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	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°	21137	21137	21137	21137
5°	21187	22537	21268	17929
10°	20941	24603	21073	14781
15°	20433	25949	20718	12452
20°	20114	24365	20114	10822
25°	19473	20932	19562	9678
30°	18418	16454	18769	8766
35°	17484	11378	17776	8020
40°	16410	8590	16596	7427
45°	15085	7060	15332	6785
50°	13942	6196	13965	6211
55°	12636	5279	12716	5588
60°	11243	4410	11397	4877
65°	9996	3587	10178	4165
70°	8757	2815	8978	3359
75°	7351	2042	7636	2437
80°	5732	1295	6148	1446
85°	3772	651	4054	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	2.8
10°-20°	370.2	8.3
20°-30°	537.2	12.0
30°-40°	566.3	12.7
40°-50°	501.2	11.2
50°-60°	400.2	9.0
60°-70°	271.8	6.1
70°-80°	139.1	3.1
80°-90°	34.4	0.8
90°-100°	33.6	0.8
100°-110°	106.7	2.4
110°-120°	182.6	4.1
120°-130°	240.2	5.4
130°-140°	269.6	6.0
140°-150°	264.4	5.9
150°-160°	221.8	5.0
160°-170°	147.1	3.3
170°-180°	51.4	1.2
0°-30°	1034.6	23.2
0°-40°	1600.9	35.9
0°-60°	2502.3	56.0
0°-90°	2947.5	66.0
90°-120°	322.9	7.2
90°-150°	1097.1	24.6
90°-180°	1517.0	34.0
0°-180°	4465.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1335	1335	1335	1335	1335	
5°	1336	1491	1341	1186	1336	127
15°	1255	1833	1273	880	1255	355
25°	1128	1527	1133	706	1128	516
35°	921	831	936	586	921	576
45°	691	501	702	481	691	536
55°	474	352	477	373	474	423
65°	281	217	286	252	281	280
75°	131	107	136	127	131	141
85°	27	28	29	20	27	31
90°	0	16	0	16	0	3
95°	24	28	24	28	24	27
105°	98	102	98	102	98	104
115°	183	183	183	183	183	181
125°	267	268	267	268	267	238
135°	345	349	345	349	345	267
145°	419	423	419	423	419	262
155°	479	482	479	482	479	220
165°	521	521	521	521	521	147
175°	542	540	542	540	542	51
180°	543	543	543	543	543	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1342.4	1345.5	1350.7	1351.7	1361.9	1370.2	1379.4	1379.4	1382.5	1381.4	1373.2
5°	1336.3	1345.5	1358.9	1370.2	1388.6	1396.8	1409.2	1418.4	1426.6	1432.8	1431.7
7.5°	1326.0	1342.4	1361.9	1383.5	1408.1	1422.5	1440.0	1456.4	1467.7	1477.9	1485.1
10°	1308.6	1336.3	1363.0	1391.7	1423.5	1443.0	1463.6	1485.1	1502.6	1522.1	1540.5
12.5°	1285.0	1325.0	1357.8	1395.8	1434.8	1456.4	1489.2	1505.6	1539.5	1588.8	1602.1
15°	1255.2	1309.6	1340.4	1388.6	1440.0	1457.4	1502.6	1529.2	1599.0	1629.8	1666.8
17.5°	1227.5	1288.1	1329.1	1384.5	1434.8	1468.7	1512.8	1567.2	1625.7	1669.9	1710.9
20°	1204.9	1263.4	1312.7	1374.3	1437.9	1481.0	1527.2	1592.9	1656.5	1701.7	1733.5
22.5°	1153.6	1228.5	1286.0	1354.8	1431.7	1491.3	1535.4	1607.2	1676.0	1703.7	1731.4
25°	1127.9	1192.6	1259.3	1337.3	1427.6	1498.5	1536.4	1616.5	1677.0	1687.3	1693.5
27.5°	1080.7	1153.6	1231.6	1320.9	1426.6	1486.1	1534.4	1607.2	1655.5	1648.3	1629.8
30°	1022.2	1111.5	1197.7	1294.2	1412.2	1476.9	1522.1	1588.8	1613.4	1576.5	1543.6
32.5°	979.1	1063.3	1158.7	1270.6	1395.8	1457.4	1501.5	1553.9	1559.0	1492.3	1436.9
35°	920.6	1014.0	1121.8	1239.8	1368.1	1423.5	1464.6	1496.4	1471.8	1378.4	1312.7
37.5°	868.3	960.7	1075.6	1195.7	1330.1	1384.5	1417.4	1422.5	1361.9	1279.8	1183.4
40°	810.8	906.3	1026.3	1152.6	1288.1	1335.3	1355.8	1340.4	1253.2	1157.7	1045.8
42.5°	753.3	847.8	977.1	1106.4	1234.7	1274.7	1282.9	1240.8	1134.1	1022.2	892.9
45°	690.7	789.3	918.6	1048.9	1173.1	1195.7	1196.7	1136.2	1009.9	892.9	772.8
47.5°	639.4	730.8	859.0	989.4	1094.1	1109.5	1103.3	1033.5	896.0	764.6	659.9
50°	583.0	670.2	797.5	925.8	1015.0	1019.2	1003.8	904.2	769.8	649.7	566.5
52.5°	522.4	610.7	727.7	850.8	930.9	924.7	895.0	788.2	662.0	562.4	498.8
55°	474.2	552.2	662.0	782.1	838.5	821.1	788.2	679.4	579.9	495.7	440.3
57.5°	420.8	489.6	597.3	702.0	734.9	718.4	685.6	584.0	491.6	428.0	391.0
60°	370.5	433.1	527.5	614.8	640.4	623.0	585.0	493.7	427.0	373.6	345.9
62.5°	324.3	378.7	457.7	537.8	548.1	530.6	497.8	423.9	366.4	324.3	303.8
65°	281.2	332.5	396.2	456.7	466.0	447.5	413.6	360.2	312.0	285.3	265.8
67.5°	239.1	280.2	336.6	380.8	385.9	368.5	340.7	297.6	267.9	239.1	224.8
70°	202.2	233.0	277.1	313.0	315.1	298.7	284.3	245.3	222.7	202.2	190.9
72.5°	166.3	187.8	221.7	248.4	249.4	239.1	225.8	201.2	181.7	167.3	156.0
75°	131.4	149.8	170.4	194.0	193.0	184.7	174.5	159.1	142.7	133.4	128.3
77.5°	100.6	111.9	128.3	143.7	143.7	139.6	133.4	122.1	111.9	102.6	97.5
80°	71.8	79.0	92.4	97.5	99.6	98.5	93.4	85.2	81.1	73.9	71.8
82.5°	46.2	51.3	57.5	62.6	65.7	63.6	62.6	58.5	52.3	50.3	48.2
85°	26.7	28.7	31.8	34.9	35.9	34.9	36.9	33.9	30.8	30.8	29.8
87.5°	11.3	12.3	14.4	14.4	15.4	15.4	14.4	15.4	15.4	14.4	13.3
90°	0.5	1.7	2.9	4.2	5.4	6.0	7.1	9.3	11.6	13.8	16.0
92.5°	10.1	10.9	11.7	12.5	13.3	13.7	13.8	13.9	14.0	14.1	14.2
95°	23.8	24.8	25.8	26.9	27.9	28.4	28.5	28.7	28.9	29.1	29.3
97.5°	39.8	40.7	41.7	42.6	43.5	44.0	44.2	44.6	45.0	45.4	45.8
100°	58.2	59.0	59.8	60.6	61.4	61.8	62.0	62.3	62.6	62.9	63.2
102.5°	77.4	78.0	78.6	79.3	79.9	80.2	80.4	80.8	81.2	81.6	82.0
105°	98.5	98.8	99.1	99.4	99.7	99.8	99.9	100.1	100.4	100.6	100.8
107.5°	119.5	119.9	120.3	120.8	121.2	121.4	121.4	121.4	121.4	121.4	121.4
110°	139.7	140.3	140.9	141.5	142.1	142.4	142.4	142.4	142.4	142.4	142.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	161.7	162.3	162.9	163.5	164.1	164.4	164.4	164.3	164.2	164.1	164.0
115°	183.2	183.8	184.4	185.1	185.7	186.0	185.9	185.7	185.4	185.2	185.0
117.5°	204.7	205.5	206.3	207.2	208.0	208.4	208.1	207.6	207.1	206.6	206.1
120°	226.3	227.1	227.9	228.7	229.5	229.9	229.5	228.7	227.9	227.1	226.3
122.5°	246.0	247.0	248.0	249.0	250.0	250.5	250.2	249.7	249.2	248.7	248.2
125°	266.6	267.5	268.4	269.3	270.2	270.7	270.5	270.2	269.9	269.6	269.3
127.5°	286.7	287.8	289.0	290.1	291.2	291.8	291.6	291.2	290.7	290.3	289.9
130°	305.5	306.8	308.2	309.5	310.8	311.5	311.4	311.2	310.9	310.7	310.5
132.5°	326.6	327.6	328.6	329.7	330.7	331.2	331.2	331.3	331.4	331.5	331.6
135°	344.9	346.0	347.1	348.2	349.3	349.9	350.0	350.2	350.4	350.6	350.8
137.5°	365.0	365.9	366.9	367.8	368.7	369.2	369.3	369.5	369.7	369.9	370.1
140°	382.9	383.8	384.7	385.6	386.5	387.0	387.3	387.8	388.3	388.8	389.3
142.5°	401.2	402.1	403.1	404.0	404.9	405.4	405.5	405.8	406.1	406.4	406.7
145°	418.6	419.3	420.0	420.7	421.4	421.8	422.1	422.7	423.4	424.0	424.6
147.5°	434.2	435.1	436.0	436.9	437.8	438.3	438.5	438.9	439.4	439.8	440.2
150°	450.2	450.8	451.4	452.1	452.7	453.0	453.2	453.6	454.0	454.4	454.8
152.5°	464.4	465.0	465.6	466.3	466.9	467.2	467.5	468.0	468.5	469.0	469.5
155°	478.6	478.9	479.2	479.5	479.8	480.0	480.2	480.5	480.8	481.1	481.4
157.5°	491.0	491.2	491.4	491.6	491.8	491.9	492.0	492.2	492.4	492.6	492.8
160°	502.0	502.2	502.4	502.6	502.8	502.9	503.0	503.1	503.2	503.3	503.4
162.5°	512.1	512.1	512.1	512.1	512.1	512.1	512.1	512.2	512.3	512.4	512.5
165°	520.8	520.7	520.6	520.5	520.4	520.3	520.3	520.3	520.3	520.3	520.3
167.5°	528.6	528.3	528.0	527.7	527.4	527.2	527.2	527.2	527.2	527.2	527.2
170°	534.5	534.2	533.9	533.6	533.3	533.1	533.1	533.0	532.9	532.8	532.7
172.5°	538.6	538.3	538.0	537.7	537.4	537.3	537.2	537.1	537.0	536.9	536.8
175°	541.8	541.5	541.2	540.9	540.6	540.5	540.4	540.2	540.0	539.8	539.6
177.5°	543.7	543.4	543.1	542.8	542.5	542.3	542.2	542.0	541.8	541.6	541.4
180°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1387.6	1388.6	1390.7	1400.9	1406.1	1407.1	1403.0	1412.2	1415.3	1412.2	1410.2
5°	1453.3	1459.5	1471.8	1485.1	1484.1	1485.1	1491.3	1497.4	1499.5	1491.3	1494.3
7.5°	1510.8	1523.1	1536.4	1557.0	1557.0	1567.2	1571.3	1576.5	1588.8	1582.6	1580.6
10°	1576.5	1592.9	1617.5	1650.3	1651.4	1661.6	1671.9	1688.3	1693.5	1689.4	1691.4
12.5°	1658.6	1690.4	1692.4	1728.4	1744.8	1746.8	1763.2	1760.2	1770.4	1770.4	1787.9
15°	1694.5	1743.7	1771.5	1806.4	1816.6	1804.3	1817.6	1832.0	1833.0	1833.0	1832.0
17.5°	1759.1	1778.6	1806.4	1824.8	1828.9	1828.9	1830.0	1836.1	1832.0	1823.8	1830.0
20°	1772.5	1780.7	1791.0	1788.9	1791.0	1780.7	1770.4	1760.2	1761.2	1756.1	1771.5
22.5°	1747.9	1745.8	1722.2	1706.8	1706.8	1686.3	1666.8	1657.5	1648.3	1651.4	1656.5
25°	1686.3	1654.5	1625.7	1603.1	1598.0	1565.2	1538.5	1530.3	1514.9	1527.2	1529.2
27.5°	1587.7	1551.8	1505.6	1486.1	1459.5	1446.1	1427.6	1403.0	1371.2	1389.7	1386.6
30°	1482.0	1428.7	1390.7	1343.5	1301.4	1298.3	1263.4	1222.4	1205.9	1205.9	1215.2
32.5°	1364.0	1293.2	1237.8	1171.1	1130.0	1112.5	1070.5	1029.4	1038.7	1007.9	1019.2
35°	1226.5	1133.1	1063.3	998.6	967.8	947.3	892.9	870.3	845.7	831.3	858.0
37.5°	1095.1	987.3	898.0	827.2	815.9	779.0	742.0	727.7	713.3	719.5	718.4
40°	935.0	839.5	759.5	704.1	684.6	667.1	642.5	625.0	615.8	620.9	622.0
42.5°	790.3	710.2	650.7	611.7	595.3	583.0	570.6	556.3	553.2	553.2	557.3
45°	678.4	612.7	572.7	540.9	531.6	522.4	513.2	507.0	505.0	500.9	503.9
47.5°	589.1	536.8	512.1	488.5	478.3	476.2	468.0	464.9	460.8	459.8	460.8
50°	514.2	481.4	458.8	445.4	438.2	435.2	431.1	424.9	422.9	428.0	425.9
52.5°	461.9	431.1	418.7	405.4	401.3	397.2	391.0	392.1	391.0	389.0	389.0
55°	409.5	390.0	377.7	367.4	366.4	362.3	357.2	355.1	354.1	352.0	355.1
57.5°	367.4	352.0	340.7	331.5	327.4	327.4	322.3	318.2	318.2	317.1	318.2
60°	325.3	310.0	302.8	293.5	290.5	289.4	286.3	284.3	281.2	281.2	281.2
62.5°	286.3	274.0	265.8	257.6	258.6	253.5	249.4	247.3	247.3	248.4	248.4
65°	249.4	241.2	230.9	223.7	221.7	220.7	218.6	217.6	214.5	216.6	216.6
67.5°	215.5	204.2	198.1	195.0	191.9	190.9	188.8	186.8	185.8	184.7	186.8
70°	181.7	172.4	167.3	165.2	162.2	161.1	160.1	157.0	158.1	159.1	160.1
72.5°	150.9	142.7	141.6	135.5	135.5	135.5	131.4	133.4	132.4	130.3	132.4
75°	119.1	114.9	112.9	109.8	110.8	109.8	108.8	105.7	105.7	106.7	107.8
77.5°	94.4	90.3	89.3	86.2	84.2	86.2	84.2	83.1	83.1	84.2	84.2
80°	69.8	67.7	64.7	64.7	64.7	63.6	63.6	63.6	62.6	61.6	62.6
82.5°	46.2	46.2	45.2	44.1	45.2	43.1	44.1	44.1	44.1	44.1	44.1
85°	29.8	28.7	28.7	27.7	27.7	27.7	28.7	26.7	26.7	27.7	27.7
87.5°	13.3	13.3	13.3	14.4	13.3	13.3	13.3	14.4	13.3	13.3	13.3
90°	15.8	15.6	15.4	15.2	15.1	15.2	15.3	15.4	15.5	15.6	15.5
92.5°	14.3	14.4	14.5	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7
95°	29.3	29.3	29.3	29.3	29.3	29.2	29.0	28.8	28.6	28.4	28.6
97.5°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
100°	63.2	63.2	63.2	63.2	63.2	63.1	63.0	62.9	62.8	62.7	62.8
102.5°	82.1	82.2	82.3	82.4	82.4	82.4	82.3	82.2	82.1	82.0	82.1
105°	101.0	101.2	101.4	101.6	101.7	101.7	101.7	101.7	101.7	101.7	101.7
107.5°	121.5	121.6	121.7	121.8	121.8	121.5	121.0	120.5	120.0	119.5	120.0
110°	142.4	142.4	142.4	142.4	142.4	142.3	142.0	141.7	141.4	141.1	141.4

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	163.7	163.4	163.1	162.8	162.6	162.5	162.3	162.1	161.9	161.7	161.9
115°	184.9	184.8	184.7	184.6	184.6	184.4	184.1	183.8	183.5	183.2	183.5
117.5°	205.8	205.5	205.2	204.9	204.7	204.6	204.3	204.0	203.7	203.4	203.7
120°	226.3	226.3	226.3	226.3	226.3	226.1	225.8	225.5	225.2	224.9	225.2
122.5°	247.9	247.6	247.3	247.0	246.9	246.8	246.6	246.4	246.2	246.0	246.2
125°	269.0	268.7	268.4	268.1	267.9	267.9	267.8	267.7	267.6	267.5	267.6
127.5°	289.5	289.1	288.7	288.3	288.1	287.9	287.6	287.3	287.0	286.7	287.0
130°	310.3	310.1	309.9	309.7	309.6	309.4	309.0	308.6	308.2	307.8	308.2
132.5°	331.1	330.6	330.1	329.6	329.3	329.1	328.8	328.5	328.2	327.9	328.2
135°	350.7	350.6	350.5	350.4	350.4	350.2	349.9	349.6	349.3	349.0	349.3
137.5°	370.0	369.9	369.8	369.7	369.6	369.4	369.0	368.6	368.2	367.8	368.2
140°	389.3	389.3	389.3	389.3	389.3	389.1	388.7	388.3	387.9	387.5	387.9
142.5°	406.8	406.9	407.0	407.1	407.2	407.0	406.6	406.2	405.8	405.4	405.8
145°	424.7	424.8	424.9	425.0	425.0	424.8	424.4	424.0	423.6	423.2	423.6
147.5°	440.4	440.6	440.8	441.0	441.1	440.9	440.5	440.0	439.6	439.2	439.6
150°	455.1	455.4	455.7	456.0	456.2	456.0	455.7	455.4	455.1	454.8	455.1
152.5°	469.9	470.3	470.7	471.1	471.3	471.1	470.7	470.3	469.9	469.5	469.9
155°	481.9	482.4	482.9	483.4	483.7	483.5	483.2	482.9	482.6	482.3	482.6
157.5°	493.5	494.2	494.9	495.6	496.0	495.8	495.3	494.8	494.3	493.8	494.3
160°	504.0	504.6	505.2	505.8	506.1	505.9	505.5	505.1	504.7	504.3	504.7
162.5°	513.2	513.9	514.6	515.3	515.7	515.4	514.9	514.4	513.9	513.4	513.9
165°	521.0	521.7	522.4	523.1	523.5	523.2	522.7	522.2	521.7	521.2	521.7
167.5°	527.9	528.6	529.3	530.0	530.4	530.1	529.6	529.1	528.6	528.1	528.6
170°	533.4	534.1	534.8	535.5	535.9	535.6	535.0	534.3	533.7	533.1	533.7
172.5°	537.5	538.2	538.9	539.6	540.0	539.7	539.1	538.5	537.9	537.3	537.9
175°	540.3	541.0	541.7	542.4	542.8	542.5	541.9	541.2	540.6	540.0	540.6
177.5°	542.0	542.6	543.2	543.8	544.1	543.8	543.2	542.6	542.0	541.4	542.0
180°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1415.3	1408.1	1402.0	1403.0	1408.1	1404.0	1393.8	1380.4	1375.3	1369.1	1375.3
5°	1500.5	1494.3	1482.0	1483.1	1480.0	1475.9	1459.5	1438.9	1438.9	1422.5	1420.5
7.5°	1584.7	1575.4	1567.2	1565.2	1553.9	1545.7	1531.3	1502.6	1491.3	1471.8	1460.5
10°	1679.1	1671.9	1662.7	1651.4	1645.2	1630.8	1607.2	1565.2	1544.6	1518.0	1498.5
12.5°	1774.5	1773.5	1753.0	1730.4	1729.4	1706.8	1690.4	1633.9	1606.2	1570.3	1524.1
15°	1835.1	1830.0	1818.7	1807.4	1810.5	1785.8	1748.9	1682.2	1663.7	1620.6	1571.3
17.5°	1834.1	1834.1	1831.0	1828.9	1825.9	1818.7	1798.1	1754.0	1724.2	1669.9	1623.7
20°	1775.6	1788.9	1792.0	1791.0	1801.2	1806.4	1805.3	1777.6	1754.0	1705.8	1658.6
22.5°	1658.6	1689.4	1702.7	1710.9	1732.5	1743.7	1770.4	1760.2	1754.0	1718.1	1678.1
25°	1549.8	1560.0	1600.1	1602.1	1631.9	1659.6	1686.3	1703.7	1726.3	1713.0	1679.1
27.5°	1409.2	1432.8	1461.5	1483.1	1489.2	1545.7	1589.8	1622.6	1674.0	1678.1	1666.8
30°	1250.1	1261.4	1308.6	1337.3	1370.2	1411.2	1474.8	1531.3	1577.5	1619.6	1633.9
32.5°	1056.1	1102.3	1130.0	1164.9	1193.6	1266.5	1344.5	1417.4	1470.7	1541.6	1572.3
35°	878.5	914.5	961.7	976.0	1028.4	1090.0	1191.6	1285.0	1366.1	1437.9	1500.5
37.5°	731.8	760.5	810.8	833.4	864.2	943.2	1028.4	1144.4	1241.9	1330.1	1408.1
40°	631.2	652.8	690.7	697.9	723.6	795.4	864.2	973.0	1102.3	1221.3	1306.5
42.5°	562.4	572.7	598.4	607.6	624.0	672.3	733.8	836.5	956.5	1079.7	1199.8
45°	513.2	520.4	535.7	544.0	564.5	586.0	636.3	718.4	812.9	937.0	1066.4
47.5°	469.0	478.3	484.4	489.6	500.9	524.5	557.3	617.9	708.2	822.1	947.3
50°	432.1	435.2	446.5	447.5	454.7	470.1	500.9	537.8	609.6	702.0	823.1
52.5°	395.1	398.2	405.4	412.6	415.7	428.0	448.5	479.3	532.7	605.5	713.3
55°	358.2	362.3	369.5	374.6	377.7	388.0	400.3	430.0	472.1	523.4	611.7
57.5°	321.2	330.5	332.5	335.6	340.7	352.0	363.3	380.8	413.6	460.8	525.5
60°	286.3	289.4	296.6	299.7	304.8	311.0	325.3	338.7	362.3	399.2	457.7
62.5°	250.4	257.6	260.7	263.8	267.9	275.1	284.3	298.7	319.2	349.0	395.1
65°	219.6	220.7	226.8	230.9	235.0	240.2	249.4	262.7	275.1	302.8	336.6
67.5°	189.9	191.9	194.0	198.1	203.2	208.3	216.6	223.7	239.1	257.6	284.3
70°	161.1	161.1	166.3	169.3	168.3	174.5	180.6	188.8	200.1	217.6	239.1
72.5°	135.5	134.5	138.6	139.6	141.6	145.7	149.8	158.1	164.2	177.6	194.0
75°	107.8	109.8	111.9	111.9	114.9	118.0	122.1	126.2	133.4	141.6	154.0
77.5°	85.2	85.2	87.2	88.3	91.3	90.3	94.4	98.5	103.7	110.8	120.1
80°	62.6	64.7	64.7	64.7	65.7	66.7	70.8	73.9	77.0	82.1	86.2
82.5°	44.1	44.1	46.2	46.2	46.2	48.2	48.2	49.3	51.3	54.4	57.5
85°	27.7	27.7	27.7	28.7	27.7	28.7	30.8	29.8	30.8	32.8	32.8
87.5°	13.3	13.3	13.3	13.3	13.3	14.4	13.3	14.4	15.4	15.4	15.4
90°	15.4	15.3	15.2	15.1	15.2	15.4	15.6	15.8	16.0	13.8	11.6
92.5°	14.7	14.7	14.7	14.7	14.6	14.5	14.4	14.3	14.2	14.1	14.0
95°	28.8	29.0	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.1	28.9
97.5°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.4	45.0
100°	62.9	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	62.9	62.6
102.5°	82.2	82.3	82.4	82.4	82.4	82.3	82.2	82.1	82.0	81.6	81.2
105°	101.7	101.7	101.7	101.7	101.6	101.4	101.2	101.0	100.8	100.6	100.4
107.5°	120.5	121.0	121.5	121.8	121.8	121.7	121.6	121.5	121.4	121.4	121.4
110°	141.7	142.0	142.3	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	162.1	162.3	162.5	162.6	162.8	163.1	163.4	163.7	164.0	164.1	164.2
115°	183.8	184.1	184.4	184.6	184.6	184.7	184.8	184.9	185.0	185.2	185.4
117.5°	204.0	204.3	204.6	204.7	204.9	205.2	205.5	205.8	206.1	206.6	207.1
120°	225.5	225.8	226.1	226.3	226.3	226.3	226.3	226.3	226.3	227.1	227.9
122.5°	246.4	246.6	246.8	246.9	247.0	247.3	247.6	247.9	248.2	248.7	249.2
125°	267.7	267.8	267.9	267.9	268.1	268.4	268.7	269.0	269.3	269.6	269.9
127.5°	287.3	287.6	287.9	288.1	288.3	288.7	289.1	289.5	289.9	290.3	290.7
130°	308.6	309.0	309.4	309.6	309.7	309.9	310.1	310.3	310.5	310.7	310.9
132.5°	328.5	328.8	329.1	329.3	329.6	330.1	330.6	331.1	331.6	331.5	331.4
135°	349.6	349.9	350.2	350.4	350.4	350.5	350.6	350.7	350.8	350.6	350.4
137.5°	368.6	369.0	369.4	369.6	369.7	369.8	369.9	370.0	370.1	369.9	369.7
140°	388.3	388.7	389.1	389.3	389.3	389.3	389.3	389.3	389.3	388.8	388.3
142.5°	406.2	406.6	407.0	407.2	407.1	407.0	406.9	406.8	406.7	406.4	406.1
145°	424.0	424.4	424.8	425.0	425.0	424.9	424.8	424.7	424.6	424.0	423.4
147.5°	440.0	440.5	440.9	441.1	441.0	440.8	440.6	440.4	440.2	439.8	439.4
150°	455.4	455.7	456.0	456.2	456.0	455.7	455.4	455.1	454.8	454.4	454.0
152.5°	470.3	470.7	471.1	471.3	471.1	470.7	470.3	469.9	469.5	469.0	468.5
155°	482.9	483.2	483.5	483.7	483.4	482.9	482.4	481.9	481.4	481.1	480.8
157.5°	494.8	495.3	495.8	496.0	495.6	494.9	494.2	493.5	492.8	492.6	492.4
160°	505.1	505.5	505.9	506.1	505.8	505.2	504.6	504.0	503.4	503.3	503.2
162.5°	514.4	514.9	515.4	515.7	515.3	514.6	513.9	513.2	512.5	512.4	512.3
165°	522.2	522.7	523.2	523.5	523.1	522.4	521.7	521.0	520.3	520.3	520.3
167.5°	529.1	529.6	530.1	530.4	530.0	529.3	528.6	527.9	527.2	527.2	527.2
170°	534.3	535.0	535.6	535.9	535.5	534.8	534.1	533.4	532.7	532.8	532.9
172.5°	538.5	539.1	539.7	540.0	539.6	538.9	538.2	537.5	536.8	536.9	537.0
175°	541.2	541.9	542.5	542.8	542.4	541.7	541.0	540.3	539.6	539.8	540.0
177.5°	542.6	543.2	543.8	544.1	543.8	543.2	542.6	542.0	541.4	541.6	541.8
180°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1370.2	1365.0	1361.9	1364.0	1357.8	1342.4	1342.4	1347.6	1341.4	1335.3	1326.0
5°	1408.1	1397.9	1391.7	1390.7	1376.3	1351.7	1346.6	1341.4	1328.1	1313.7	1298.3
7.5°	1445.1	1426.6	1416.3	1409.2	1388.6	1356.8	1343.5	1332.2	1310.6	1289.1	1269.6
10°	1475.9	1449.2	1436.9	1425.6	1398.9	1358.9	1337.3	1316.8	1289.1	1261.4	1236.7
12.5°	1500.5	1469.7	1454.3	1437.9	1405.1	1352.7	1326.0	1293.2	1265.5	1228.5	1203.9
15°	1541.6	1477.9	1463.6	1448.2	1414.3	1342.4	1309.6	1272.7	1234.7	1185.4	1158.7
17.5°	1574.4	1489.2	1488.2	1455.3	1411.2	1338.3	1288.1	1239.8	1198.8	1149.5	1107.4
20°	1593.9	1506.7	1490.2	1456.4	1400.9	1310.6	1258.3	1204.9	1160.8	1101.3	1059.2
22.5°	1610.3	1531.3	1488.2	1447.1	1379.4	1301.4	1224.4	1174.1	1113.6	1048.9	1008.9
25°	1616.5	1536.4	1491.3	1444.1	1364.0	1274.7	1187.5	1133.1	1065.3	1006.8	952.4
27.5°	1617.5	1535.4	1480.0	1430.7	1342.4	1239.8	1150.5	1093.0	1018.1	950.4	896.0
30°	1607.2	1524.1	1473.8	1420.5	1321.9	1208.0	1105.4	1041.7	961.7	893.9	837.5
32.5°	1576.5	1501.5	1460.5	1402.0	1295.2	1163.9	1062.3	991.4	907.3	840.6	786.2
35°	1525.1	1473.8	1428.7	1374.3	1260.3	1122.8	1019.2	936.0	850.8	787.2	735.9
37.5°	1461.5	1433.8	1391.7	1338.3	1220.3	1085.9	970.9	878.5	793.4	731.8	681.5
40°	1375.3	1382.5	1341.4	1293.2	1173.1	1035.6	908.3	820.0	740.0	682.5	633.2
42.5°	1281.9	1311.7	1288.1	1241.9	1120.8	980.2	862.1	764.6	686.6	627.1	586.0
45°	1181.3	1232.6	1218.3	1184.4	1066.4	921.7	796.4	702.0	633.2	575.8	539.9
47.5°	1071.5	1144.4	1144.4	1119.7	1005.8	863.1	740.0	643.5	575.8	534.7	499.8
50°	959.6	1041.7	1055.1	1038.7	938.1	796.4	671.2	584.0	525.5	485.5	459.8
52.5°	842.6	938.1	962.7	954.5	866.2	732.8	614.8	529.6	476.2	441.3	418.7
55°	730.8	841.6	868.3	871.4	789.3	663.0	552.2	477.2	425.9	402.3	382.8
57.5°	625.0	731.8	761.5	766.7	711.3	599.4	493.7	428.0	381.8	362.3	346.9
60°	534.7	624.0	663.0	674.3	626.1	525.5	439.3	375.6	340.7	322.3	307.9
62.5°	460.8	532.7	573.7	576.8	555.2	460.8	382.8	329.5	299.7	283.3	276.1
65°	389.0	453.6	478.3	490.6	473.1	399.2	330.5	286.3	262.7	248.4	241.2
67.5°	331.5	372.6	393.1	409.5	392.1	336.6	281.2	245.3	227.8	213.5	209.4
70°	272.0	305.8	321.2	337.7	322.3	280.2	240.2	207.3	191.9	180.6	175.5
72.5°	217.6	244.3	258.6	268.9	259.7	224.8	191.9	169.3	158.1	149.8	146.8
75°	172.4	190.9	199.1	206.3	202.2	175.5	155.0	136.5	126.2	119.1	117.0
77.5°	131.4	144.7	154.0	156.0	150.9	133.4	116.0	104.7	96.5	92.4	90.3
80°	93.4	101.6	106.7	109.8	104.7	97.5	85.2	77.0	69.8	64.7	63.6
82.5°	62.6	66.7	70.8	69.8	67.7	61.6	54.4	50.3	47.2	43.1	43.1
85°	35.9	36.9	39.0	40.0	39.0	34.9	30.8	28.7	26.7	23.6	23.6
87.5°	15.4	16.4	16.4	17.4	15.4	15.4	13.3	11.3	11.3	10.3	9.2
90°	9.3	7.1	6.0	5.4	4.2	2.9	1.7	0.5	1.7	2.9	4.2
92.5°	13.9	13.8	13.7	13.3	12.5	11.7	10.9	10.1	10.9	11.7	12.5
95°	28.7	28.5	28.4	27.9	26.9	25.8	24.8	23.8	24.8	25.8	26.9
97.5°	44.6	44.2	44.0	43.5	42.6	41.7	40.7	39.8	40.7	41.7	42.6
100°	62.3	62.0	61.8	61.4	60.6	59.8	59.0	58.2	59.0	59.8	60.6
102.5°	80.8	80.4	80.2	79.9	79.3	78.6	78.0	77.4	78.0	78.6	79.3
105°	100.1	99.9	99.8	99.7	99.4	99.1	98.8	98.5	98.8	99.1	99.4
107.5°	121.4	121.4	121.4	121.2	120.8	120.3	119.9	119.5	119.9	120.3	120.8
110°	142.4	142.4	142.4	142.1	141.5	140.9	140.3	139.7	140.3	140.9	141.5

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	164.3	164.4	164.4	164.1	163.5	162.9	162.3	161.7	162.3	162.9	163.5
115°	185.7	185.9	186.0	185.7	185.1	184.4	183.8	183.2	183.8	184.4	185.1
117.5°	207.6	208.1	208.4	208.0	207.2	206.3	205.5	204.7	205.5	206.3	207.2
120°	228.7	229.5	229.9	229.5	228.7	227.9	227.1	226.3	227.1	227.9	228.7
122.5°	249.7	250.2	250.5	250.0	249.0	248.0	247.0	246.0	247.0	248.0	249.0
125°	270.2	270.5	270.7	270.2	269.3	268.4	267.5	266.6	267.5	268.4	269.3
127.5°	291.2	291.6	291.8	291.2	290.1	289.0	287.8	286.7	287.8	289.0	290.1
130°	311.2	311.4	311.5	310.8	309.5	308.2	306.8	305.5	306.8	308.2	309.5
132.5°	331.3	331.2	331.2	330.7	329.7	328.6	327.6	326.6	327.6	328.6	329.7
135°	350.2	350.0	349.9	349.3	348.2	347.1	346.0	344.9	346.0	347.1	348.2
137.5°	369.5	369.3	369.2	368.7	367.8	366.9	365.9	365.0	365.9	366.9	367.8
140°	387.8	387.3	387.0	386.5	385.6	384.7	383.8	382.9	383.8	384.7	385.6
142.5°	405.8	405.5	405.4	404.9	404.0	403.1	402.1	401.2	402.1	403.1	404.0
145°	422.7	422.1	421.8	421.4	420.7	420.0	419.3	418.6	419.3	420.0	420.7
147.5°	438.9	438.5	438.3	437.8	436.9	436.0	435.1	434.2	435.1	436.0	436.9
150°	453.6	453.2	453.0	452.7	452.1	451.4	450.8	450.2	450.8	451.4	452.1
152.5°	468.0	467.5	467.2	466.9	466.3	465.6	465.0	464.4	465.0	465.6	466.3
155°	480.5	480.2	480.0	479.8	479.5	479.2	478.9	478.6	478.9	479.2	479.5
157.5°	492.2	492.0	491.9	491.8	491.6	491.4	491.2	491.0	491.2	491.4	491.6
160°	503.1	503.0	502.9	502.8	502.6	502.4	502.2	502.0	502.2	502.4	502.6
162.5°	512.2	512.1	512.1	512.1	512.1	512.1	512.1	512.1	512.1	512.1	512.1
165°	520.3	520.3	520.3	520.4	520.5	520.6	520.7	520.8	520.7	520.6	520.5
167.5°	527.2	527.2	527.2	527.4	527.7	528.0	528.3	528.6	528.3	528.0	527.7
170°	533.0	533.1	533.1	533.3	533.6	533.9	534.2	534.5	534.2	533.9	533.6
172.5°	537.1	537.2	537.3	537.4	537.7	538.0	538.3	538.6	538.3	538.0	537.7
175°	540.2	540.4	540.5	540.6	540.9	541.2	541.5	541.8	541.5	541.2	540.9
177.5°	542.0	542.2	542.3	542.5	542.8	543.1	543.4	543.7	543.4	543.1	542.8
180°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1320.9	1326.0	1325.0	1314.7	1303.4	1294.2	1276.8	1278.8	1272.7	1273.7	1279.8
5°	1288.1	1288.1	1283.9	1269.6	1251.1	1240.8	1221.3	1216.2	1203.9	1202.9	1201.8
7.5°	1253.2	1248.0	1242.9	1222.4	1199.8	1183.4	1156.7	1150.5	1138.2	1130.0	1125.9
10°	1212.1	1204.9	1194.7	1171.1	1143.3	1122.8	1095.1	1086.9	1063.3	1053.0	1046.9
12.5°	1166.9	1162.8	1146.4	1126.9	1081.8	1059.2	1019.2	1027.4	1003.8	983.2	980.2
15°	1121.8	1106.4	1097.2	1065.3	1010.9	1000.7	968.9	952.4	930.9	914.5	914.5
17.5°	1077.7	1054.0	1033.5	999.7	959.6	930.9	907.3	899.1	872.4	856.0	852.9
20°	1019.2	992.5	987.3	939.1	911.4	879.6	857.0	836.5	817.0	809.8	804.6
22.5°	963.7	932.9	924.7	883.7	856.0	824.1	801.6	787.2	772.8	767.7	758.5
25°	904.2	885.7	873.4	829.3	798.5	768.7	753.3	743.1	729.7	728.7	722.5
27.5°	846.7	829.3	817.0	774.9	752.3	724.6	712.3	701.0	693.8	690.7	687.6
30°	797.5	778.0	763.6	732.8	705.1	682.5	672.3	665.1	661.0	655.8	654.8
32.5°	743.1	731.8	712.3	688.7	667.1	645.6	639.4	634.3	628.1	626.1	625.0
35°	696.9	681.5	669.2	642.5	633.2	614.8	607.6	603.5	595.3	593.2	591.2
37.5°	651.7	637.4	624.0	607.6	590.1	579.9	575.8	569.6	565.5	566.5	564.5
40°	606.6	595.3	585.0	567.6	557.3	552.2	544.0	537.8	535.7	536.8	535.7
42.5°	562.4	552.2	546.0	532.7	522.4	517.3	512.1	506.0	509.1	509.1	512.1
45°	522.4	513.2	509.1	498.8	492.6	484.4	479.3	478.3	482.4	481.4	481.4
47.5°	481.4	478.3	473.1	463.9	455.7	450.6	449.5	449.5	453.6	455.7	454.7
50°	449.5	443.4	437.2	430.0	423.9	421.8	418.7	420.8	424.9	424.9	427.0
52.5°	409.5	405.4	403.4	397.2	393.1	393.1	393.1	394.1	397.2	400.3	399.2
55°	374.6	371.5	369.5	366.4	361.3	362.3	361.3	363.3	366.4	369.5	371.5
57.5°	337.7	336.6	334.6	329.5	329.5	328.4	331.5	332.5	337.7	339.7	342.8
60°	304.8	301.7	301.7	297.6	297.6	297.6	300.7	303.8	307.9	308.9	311.0
62.5°	269.9	269.9	268.9	265.8	265.8	268.9	269.9	274.0	276.1	276.1	279.2
65°	237.1	236.1	235.0	236.1	237.1	237.1	240.2	242.2	244.3	245.3	246.3
67.5°	204.2	203.2	205.3	204.2	206.3	210.4	209.4	212.5	215.5	215.5	216.6
70°	173.5	175.5	174.5	176.5	175.5	177.6	180.6	181.7	181.7	182.7	185.8
72.5°	144.7	144.7	144.7	143.7	144.7	146.8	148.8	149.8	151.9	152.9	156.0
75°	117.0	117.0	114.9	117.0	117.0	119.1	121.1	121.1	121.1	123.2	126.2
77.5°	88.3	89.3	88.3	90.3	90.3	91.3	93.4	92.4	94.4	95.4	96.5
80°	64.7	63.6	63.6	63.6	64.7	64.7	66.7	67.7	67.7	70.8	68.8
82.5°	41.1	42.1	41.1	42.1	42.1	43.1	42.1	43.1	44.1	46.2	45.2
85°	23.6	22.6	22.6	23.6	22.6	22.6	23.6	22.6	23.6	22.6	23.6
87.5°	9.2	8.2	8.2	8.2	8.2	7.2	7.2	6.2	6.2	6.2	5.1
90°	5.4	6.0	7.1	9.3	11.6	13.8	16.0	15.8	15.6	15.4	15.2
92.5°	13.3	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6
95°	27.9	28.4	28.5	28.7	28.9	29.1	29.3	29.3	29.3	29.3	29.3
97.5°	43.5	44.0	44.2	44.6	45.0	45.4	45.8	45.8	45.8	45.8	45.8
100°	61.4	61.8	62.0	62.3	62.6	62.9	63.2	63.2	63.2	63.2	63.2
102.5°	79.9	80.2	80.4	80.8	81.2	81.6	82.0	82.1	82.2	82.3	82.4
105°	99.7	99.8	99.9	100.1	100.4	100.6	100.8	101.0	101.2	101.4	101.6
107.5°	121.2	121.4	121.4	121.4	121.4	121.4	121.4	121.5	121.6	121.7	121.8
110°	142.1	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	164.1	164.4	164.4	164.3	164.2	164.1	164.0	163.7	163.4	163.1	162.8
115°	185.7	186.0	185.9	185.7	185.4	185.2	185.0	184.9	184.8	184.7	184.6
117.5°	208.0	208.4	208.1	207.6	207.1	206.6	206.1	205.8	205.5	205.2	204.9
120°	229.5	229.9	229.5	228.7	227.9	227.1	226.3	226.3	226.3	226.3	226.3
122.5°	250.0	250.5	250.2	249.7	249.2	248.7	248.2	247.9	247.6	247.3	247.0
125°	270.2	270.7	270.5	270.2	269.9	269.6	269.3	269.0	268.7	268.4	268.1
127.5°	291.2	291.8	291.6	291.2	290.7	290.3	289.9	289.5	289.1	288.7	288.3
130°	310.8	311.5	311.4	311.2	310.9	310.7	310.5	310.3	310.1	309.9	309.7
132.5°	330.7	331.2	331.2	331.3	331.4	331.5	331.6	331.1	330.6	330.1	329.6
135°	349.3	349.9	350.0	350.2	350.4	350.6	350.8	350.7	350.6	350.5	350.4
137.5°	368.7	369.2	369.3	369.5	369.7	369.9	370.1	370.0	369.9	369.8	369.7
140°	386.5	387.0	387.3	387.8	388.3	388.8	389.3	389.3	389.3	389.3	389.3
142.5°	404.9	405.4	405.5	405.8	406.1	406.4	406.7	406.8	406.9	407.0	407.1
145°	421.4	421.8	422.1	422.7	423.4	424.0	424.6	424.7	424.8	424.9	425.0
147.5°	437.8	438.3	438.5	438.9	439.4	439.8	440.2	440.4	440.6	440.8	441.0
150°	452.7	453.0	453.2	453.6	454.0	454.4	454.8	455.1	455.4	455.7	456.0
152.5°	466.9	467.2	467.5	468.0	468.5	469.0	469.5	469.9	470.3	470.7	471.1
155°	479.8	480.0	480.2	480.5	480.8	481.1	481.4	481.9	482.4	482.9	483.4
157.5°	491.8	491.9	492.0	492.2	492.4	492.6	492.8	493.5	494.2	494.9	495.6
160°	502.8	502.9	503.0	503.1	503.2	503.3	503.4	504.0	504.6	505.2	505.8
162.5°	512.1	512.1	512.1	512.2	512.3	512.4	512.5	513.2	513.9	514.6	515.3
165°	520.4	520.3	520.3	520.3	520.3	520.3	520.3	521.0	521.7	522.4	523.1
167.5°	527.4	527.2	527.2	527.2	527.2	527.2	527.2	527.9	528.6	529.3	530.0
170°	533.3	533.1	533.1	533.0	532.9	532.8	532.7	533.4	534.1	534.8	535.5
172.5°	537.4	537.3	537.2	537.1	537.0	536.9	536.8	537.5	538.2	538.9	539.6
175°	540.6	540.5	540.4	540.2	540.0	539.8	539.6	540.3	541.0	541.7	542.4
177.5°	542.5	542.3	542.2	542.0	541.8	541.6	541.4	542.0	542.6	543.2	543.8
180°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1272.7	1275.7	1268.6	1266.5	1268.6	1261.4	1263.4	1265.5	1265.5	1268.6	1270.6
5°	1198.8	1194.7	1187.5	1185.4	1183.4	1186.4	1184.4	1187.5	1188.5	1195.7	1196.7
7.5°	1125.9	1119.7	1113.6	1107.4	1105.4	1100.2	1105.4	1105.4	1112.5	1110.5	1115.6
10°	1039.7	1038.7	1030.4	1027.4	1023.3	1015.0	1026.3	1023.3	1028.4	1037.6	1039.7
12.5°	976.0	964.8	969.9	955.5	960.7	952.4	953.5	953.5	961.7	962.7	960.7
15°	915.5	906.3	892.9	886.8	883.7	879.6	892.9	893.9	887.8	902.2	897.0
17.5°	853.9	853.9	841.6	838.5	830.3	834.4	832.4	833.4	831.3	841.6	846.7
20°	800.5	795.4	791.3	792.3	782.1	780.0	778.0	780.0	787.2	794.4	796.4
22.5°	757.4	754.4	744.1	746.1	737.9	741.0	739.0	744.1	745.1	745.1	752.3
25°	716.4	712.3	713.3	709.2	706.1	706.1	703.0	706.1	710.2	712.3	713.3
27.5°	685.6	682.5	677.4	674.3	676.4	671.2	675.3	678.4	678.4	676.4	678.4
30°	648.6	650.7	650.7	640.4	644.5	642.5	645.6	647.6	647.6	648.6	646.6
32.5°	624.0	617.9	616.8	615.8	615.8	611.7	611.7	614.8	615.8	616.8	619.9
35°	591.2	591.2	586.0	589.1	585.0	586.0	585.0	586.0	588.1	585.0	588.1
37.5°	561.4	562.4	560.4	562.4	563.5	561.4	559.4	563.5	561.4	561.4	559.4
40°	535.7	534.7	535.7	535.7	535.7	536.8	534.7	534.7	534.7	532.7	530.6
42.5°	514.2	508.0	510.1	511.1	508.0	508.0	509.1	508.0	511.1	505.0	505.0
45°	483.4	481.4	482.4	482.4	484.4	481.4	483.4	484.4	481.4	480.3	478.3
47.5°	455.7	457.7	455.7	457.7	457.7	459.8	455.7	456.7	457.7	453.6	450.6
50°	428.0	428.0	431.1	430.0	431.1	429.0	429.0	428.0	429.0	427.0	423.9
52.5°	402.3	399.2	404.4	403.4	402.3	401.3	400.3	401.3	399.2	397.2	397.2
55°	370.5	370.5	373.6	374.6	374.6	372.6	370.5	371.5	370.5	369.5	368.5
57.5°	344.8	340.7	342.8	343.8	343.8	340.7	342.8	340.7	340.7	341.8	338.7
60°	312.0	312.0	310.0	313.0	313.0	311.0	311.0	312.0	310.0	308.9	307.9
62.5°	277.1	278.1	281.2	282.2	283.3	281.2	279.2	280.2	280.2	277.1	278.1
65°	247.3	249.4	253.5	252.5	250.4	251.5	249.4	250.4	247.3	248.4	245.3
67.5°	218.6	217.6	218.6	218.6	220.7	219.6	217.6	217.6	216.6	219.6	216.6
70°	187.8	187.8	187.8	187.8	188.8	189.9	187.8	185.8	186.8	184.7	183.7
72.5°	156.0	157.0	156.0	158.1	155.0	157.0	157.0	156.0	155.0	155.0	155.0
75°	126.2	128.3	125.2	126.2	125.2	127.3	126.2	126.2	124.2	123.2	124.2
77.5°	96.5	97.5	95.4	96.5	95.4	96.5	96.5	95.4	95.4	95.4	95.4
80°	68.8	69.8	68.8	67.7	66.7	68.8	66.7	67.7	68.8	67.7	69.8
82.5°	44.1	44.1	43.1	44.1	42.1	42.1	43.1	43.1	42.1	44.1	42.1
85°	21.6	21.6	23.6	21.6	20.5	20.5	20.5	21.6	20.5	22.6	21.6
87.5°	5.1	4.1	5.1	5.1	4.1	4.1	5.1	4.1	5.1	6.2	4.1
90°	15.1	15.2	15.3	15.4	15.5	15.6	15.5	15.4	15.3	15.2	15.1
92.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
95°	29.3	29.2	29.0	28.8	28.6	28.4	28.6	28.8	29.0	29.2	29.3
97.5°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
100°	63.2	63.1	63.0	62.9	62.8	62.7	62.8	62.9	63.0	63.1	63.2
102.5°	82.4	82.4	82.3	82.2	82.1	82.0	82.1	82.2	82.3	82.4	82.4
105°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
107.5°	121.8	121.5	121.0	120.5	120.0	119.5	120.0	120.5	121.0	121.5	121.8
110°	142.4	142.3	142.0	141.7	141.4	141.1	141.4	141.7	142.0	142.3	142.4



TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	162.6	162.5	162.3	162.1	161.9	161.7	161.9	162.1	162.3	162.5	162.6
115°	184.6	184.4	184.1	183.8	183.5	183.2	183.5	183.8	184.1	184.4	184.6
117.5°	204.7	204.6	204.3	204.0	203.7	203.4	203.7	204.0	204.3	204.6	204.7
120°	226.3	226.1	225.8	225.5	225.2	224.9	225.2	225.5	225.8	226.1	226.3
122.5°	246.9	246.8	246.6	246.4	246.2	246.0	246.2	246.4	246.6	246.8	246.9
125°	267.9	267.9	267.8	267.7	267.6	267.5	267.6	267.7	267.8	267.9	267.9
127.5°	288.1	287.9	287.6	287.3	287.0	286.7	287.0	287.3	287.6	287.9	288.1
130°	309.6	309.4	309.0	308.6	308.2	307.8	308.2	308.6	309.0	309.4	309.6
132.5°	329.3	329.1	328.8	328.5	328.2	327.9	328.2	328.5	328.8	329.1	329.3
135°	350.4	350.2	349.9	349.6	349.3	349.0	349.3	349.6	349.9	350.2	350.4
137.5°	369.6	369.4	369.0	368.6	368.2	367.8	368.2	368.6	369.0	369.4	369.6
140°	389.3	389.1	388.7	388.3	387.9	387.5	387.9	388.3	388.7	389.1	389.3
142.5°	407.2	407.0	406.6	406.2	405.8	405.4	405.8	406.2	406.6	407.0	407.2
145°	425.0	424.8	424.4	424.0	423.6	423.2	423.6	424.0	424.4	424.8	425.0
147.5°	441.1	440.9	440.5	440.0	439.6	439.2	439.6	440.0	440.5	440.9	441.1
150°	456.2	456.0	455.7	455.4	455.1	454.8	455.1	455.4	455.7	456.0	456.2
152.5°	471.3	471.1	470.7	470.3	469.9	469.5	469.9	470.3	470.7	471.1	471.3
155°	483.7	483.5	483.2	482.9	482.6	482.3	482.6	482.9	483.2	483.5	483.7
157.5°	496.0	495.8	495.3	494.8	494.3	493.8	494.3	494.8	495.3	495.8	496.0
160°	506.1	505.9	505.5	505.1	504.7	504.3	504.7	505.1	505.5	505.9	506.1
162.5°	515.7	515.4	514.9	514.4	513.9	513.4	513.9	514.4	514.9	515.4	515.7
165°	523.5	523.2	522.7	522.2	521.7	521.2	521.7	522.2	522.7	523.2	523.5
167.5°	530.4	530.1	529.6	529.1	528.6	528.1	528.6	529.1	529.6	530.1	530.4
170°	535.9	535.6	535.0	534.3	533.7	533.1	533.7	534.3	535.0	535.6	535.9
172.5°	540.0	539.7	539.1	538.5	537.9	537.3	537.9	538.5	539.1	539.7	540.0
175°	542.8	542.5	541.9	541.2	540.6	540.0	540.6	541.2	541.9	542.5	542.8
177.5°	544.1	543.8	543.2	542.6	542.0	541.4	542.0	542.6	543.2	543.8	544.1
180°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1267.5	1275.7	1272.7	1261.4	1274.7	1274.7	1283.9	1283.9	1295.2	1299.3	1305.5
5°	1195.7	1201.8	1207.0	1201.8	1211.1	1225.4	1233.7	1240.8	1256.2	1262.4	1271.6
7.5°	1118.7	1130.0	1135.1	1135.1	1150.5	1166.9	1183.4	1193.6	1215.2	1223.4	1232.6
10°	1043.8	1057.1	1067.4	1066.4	1092.0	1102.3	1122.8	1146.4	1168.0	1180.3	1193.6
12.5°	964.8	971.9	986.3	1006.8	1013.0	1031.5	1055.1	1084.8	1123.8	1135.1	1154.6
15°	899.1	918.6	929.9	939.1	953.5	970.9	996.6	1025.3	1064.3	1088.9	1109.5
17.5°	843.6	869.3	876.5	874.4	892.9	919.6	949.4	970.9	1005.8	1035.6	1055.1
20°	798.5	808.8	821.1	826.2	840.6	869.3	898.0	922.7	951.4	975.0	997.6
22.5°	753.3	761.5	771.8	781.0	792.3	808.8	836.5	867.3	895.0	917.5	943.2
25°	716.4	721.5	730.8	737.9	750.3	761.5	781.0	814.9	847.8	861.1	883.7
27.5°	680.5	684.6	690.7	698.9	705.1	716.4	733.8	761.5	795.4	808.8	839.5
30°	648.6	651.7	657.9	662.0	665.1	678.4	691.8	713.3	739.0	757.4	780.0
32.5°	618.9	622.0	628.1	629.1	633.2	640.4	652.8	672.3	694.8	710.2	729.7
35°	586.0	588.1	594.2	596.3	599.4	605.5	614.8	629.1	649.7	661.0	678.4
37.5°	560.4	559.4	563.5	566.5	570.6	573.7	576.8	591.2	606.6	616.8	630.2
40°	532.7	530.6	531.6	535.7	537.8	541.9	541.9	556.3	566.5	574.7	585.0
42.5°	505.0	503.9	501.9	503.9	506.0	507.0	508.0	518.3	528.6	535.7	547.0
45°	477.2	476.2	474.2	475.2	475.2	477.2	480.3	484.4	491.6	497.8	503.9
47.5°	451.6	449.5	446.5	445.4	447.5	447.5	447.5	451.6	458.8	460.8	467.0
50°	424.9	421.8	417.7	415.7	415.7	414.6	416.7	417.7	423.9	425.9	431.1
52.5°	396.2	394.1	390.0	385.9	386.9	384.9	385.9	386.9	389.0	392.1	395.1
55°	367.4	363.3	360.2	359.2	356.1	356.1	353.1	357.2	356.1	357.2	361.3
57.5°	339.7	335.6	330.5	328.4	325.3	324.3	322.3	321.2	322.3	325.3	328.4
60°	306.9	304.8	301.7	298.7	296.6	293.5	291.5	291.5	290.5	290.5	291.5
62.5°	275.1	274.0	269.9	268.9	266.8	264.8	261.7	259.7	259.7	261.7	262.7
65°	244.3	243.2	240.2	239.1	234.0	232.0	230.9	229.9	227.8	227.8	227.8
67.5°	215.5	212.5	212.5	207.3	203.2	201.2	199.1	198.1	198.1	198.1	199.1
70°	183.7	183.7	180.6	177.6	173.5	174.5	171.4	168.3	168.3	166.3	167.3
72.5°	152.9	151.9	148.8	147.8	144.7	141.6	139.6	141.6	138.6	137.5	138.6
75°	123.2	122.1	120.1	118.0	119.1	116.0	112.9	111.9	111.9	109.8	109.8
77.5°	94.4	96.5	92.4	91.3	89.3	87.2	86.2	85.2	85.2	85.2	87.2
80°	65.7	66.7	66.7	64.7	65.7	62.6	62.6	62.6	59.5	60.6	61.6
82.5°	42.1	42.1	41.1	42.1	41.1	41.1	40.0	40.0	39.0	39.0	40.0
85°	23.6	22.6	21.6	23.6	22.6	22.6	21.6	21.6	21.6	21.6	21.6
87.5°	5.1	6.2	6.2	6.2	6.2	7.2	7.2	7.2	8.2	8.2	8.2
90°	15.2	15.4	15.6	15.8	16.0	13.8	11.6	9.3	7.1	6.0	5.4
92.5°	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.3
95°	29.3	29.3	29.3	29.3	29.3	29.1	28.9	28.7	28.5	28.4	27.9
97.5°	45.8	45.8	45.8	45.8	45.8	45.4	45.0	44.6	44.2	44.0	43.5
100°	63.2	63.2	63.2	63.2	63.2	62.9	62.6	62.3	62.0	61.8	61.4
102.5°	82.4	82.3	82.2	82.1	82.0	81.6	81.2	80.8	80.4	80.2	79.9
105°	101.6	101.4	101.2	101.0	100.8	100.6	100.4	100.1	99.9	99.8	99.7
107.5°	121.8	121.7	121.6	121.5	121.4	121.4	121.4	121.4	121.4	121.4	121.2
110°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.1

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	162.8	163.1	163.4	163.7	164.0	164.1	164.2	164.3	164.4	164.4	164.1
115°	184.6	184.7	184.8	184.9	185.0	185.2	185.4	185.7	185.9	186.0	185.7
117.5°	204.9	205.2	205.5	205.8	206.1	206.6	207.1	207.6	208.1	208.4	208.0
120°	226.3	226.3	226.3	226.3	226.3	227.1	227.9	228.7	229.5	229.9	229.5
122.5°	247.0	247.3	247.6	247.9	248.2	248.7	249.2	249.7	250.2	250.5	250.0
125°	268.1	268.4	268.7	269.0	269.3	269.6	269.9	270.2	270.5	270.7	270.2
127.5°	288.3	288.7	289.1	289.5	289.9	290.3	290.7	291.2	291.6	291.8	291.2
130°	309.7	309.9	310.1	310.3	310.5	310.7	310.9	311.2	311.4	311.5	310.8
132.5°	329.6	330.1	330.6	331.1	331.6	331.5	331.4	331.3	331.2	331.2	330.7
135°	350.4	350.5	350.6	350.7	350.8	350.6	350.4	350.2	350.0	349.9	349.3
137.5°	369.7	369.8	369.9	370.0	370.1	369.9	369.7	369.5	369.3	369.2	368.7
140°	389.3	389.3	389.3	389.3	389.3	388.8	388.3	387.8	387.3	387.0	386.5
142.5°	407.1	407.0	406.9	406.8	406.7	406.4	406.1	405.8	405.5	405.4	404.9
145°	425.0	424.9	424.8	424.7	424.6	424.0	423.4	422.7	422.1	421.8	421.4
147.5°	441.0	440.8	440.6	440.4	440.2	439.8	439.4	438.9	438.5	438.3	437.8
150°	456.0	455.7	455.4	455.1	454.8	454.4	454.0	453.6	453.2	453.0	452.7
152.5°	471.1	470.7	470.3	469.9	469.5	469.0	468.5	468.0	467.5	467.2	466.9
155°	483.4	482.9	482.4	481.9	481.4	481.1	480.8	480.5	480.2	480.0	479.8
157.5°	495.6	494.9	494.2	493.5	492.8	492.6	492.4	492.2	492.0	491.9	491.8
160°	505.8	505.2	504.6	504.0	503.4	503.3	503.2	503.1	503.0	502.9	502.8
162.5°	515.3	514.6	513.9	513.2	512.5	512.4	512.3	512.2	512.1	512.1	512.1
165°	523.1	522.4	521.7	521.0	520.3	520.3	520.3	520.3	520.3	520.3	520.4
167.5°	530.0	529.3	528.6	527.9	527.2	527.2	527.2	527.2	527.2	527.2	527.4
170°	535.5	534.8	534.1	533.4	532.7	532.8	532.9	533.0	533.1	533.1	533.3
172.5°	539.6	538.9	538.2	537.5	536.8	536.9	537.0	537.1	537.2	537.3	537.4
175°	542.4	541.7	541.0	540.3	539.6	539.8	540.0	540.2	540.4	540.5	540.6
177.5°	543.8	543.2	542.6	542.0	541.4	541.6	541.8	542.0	542.2	542.3	542.5
180°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8

TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1335.3	1335.3	1335.3	1335.3
2.5°	1310.6	1310.6	1326.0	1342.4
5°	1281.9	1289.1	1313.7	1336.3
7.5°	1254.2	1266.5	1297.3	1326.0
10°	1220.3	1236.7	1274.7	1308.6
12.5°	1187.5	1202.9	1247.0	1285.0
15°	1141.3	1160.8	1208.0	1255.2
17.5°	1095.1	1114.6	1172.1	1227.5
20°	1040.7	1066.4	1131.0	1204.9
22.5°	990.4	1022.2	1094.1	1153.6
25°	935.0	984.3	1051.0	1127.9
27.5°	885.7	935.0	1002.7	1080.7
30°	830.3	880.6	950.4	1022.2
32.5°	776.9	823.1	890.9	979.1
35°	721.5	765.6	831.3	920.6
37.5°	671.2	714.3	786.2	868.3
40°	622.0	667.1	728.7	810.8
42.5°	575.8	615.8	671.2	753.3
45°	533.7	562.4	613.7	690.7
47.5°	489.6	515.2	562.4	639.4
50°	448.5	470.1	511.1	583.0
52.5°	408.5	427.0	464.9	522.4
55°	372.6	390.0	417.7	474.2
57.5°	335.6	349.0	375.6	420.8
60°	299.7	312.0	333.6	370.5
62.5°	263.8	274.0	294.6	324.3
65°	232.0	240.2	255.6	281.2
67.5°	201.2	206.3	218.6	239.1
70°	171.4	175.5	185.8	202.2
72.5°	139.6	143.7	155.0	166.3
75°	112.9	113.9	122.1	131.4
77.5°	88.3	87.2	93.4	100.6
80°	60.6	63.6	68.8	71.8
82.5°	41.1	42.1	44.1	46.2
85°	22.6	23.6	23.6	26.7
87.5°	9.2	10.3	10.3	11.3
90°	4.2	2.9	1.7	0.5
92.5°	12.5	11.7	10.9	10.1
95°	26.9	25.8	24.8	23.8
97.5°	42.6	41.7	40.7	39.8
100°	60.6	59.8	59.0	58.2
102.5°	79.3	78.6	78.0	77.4
105°	99.4	99.1	98.8	98.5
107.5°	120.8	120.3	119.9	119.5
110°	141.5	140.9	140.3	139.7



TEST NUMBER: P1029656

CATALOG NUMBER: S122DIW-B675D435UB2750-4F0-XX-W2A-A1_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	163.5	162.9	162.3	161.7
115°	185.1	184.4	183.8	183.2
117.5°	207.2	206.3	205.5	204.7
120°	228.7	227.9	227.1	226.3
122.5°	249.0	248.0	247.0	246.0
125°	269.3	268.4	267.5	266.6
127.5°	290.1	289.0	287.8	286.7
130°	309.5	308.2	306.8	305.5
132.5°	329.7	328.6	327.6	326.6
135°	348.2	347.1	346.0	344.9
137.5°	367.8	366.9	365.9	365.0
140°	385.6	384.7	383.8	382.9
142.5°	404.0	403.1	402.1	401.2
145°	420.7	420.0	419.3	418.6
147.5°	436.9	436.0	435.1	434.2
150°	452.1	451.4	450.8	450.2
152.5°	466.3	465.6	465.0	464.4
155°	479.5	479.2	478.9	478.6
157.5°	491.6	491.4	491.2	491.0
160°	502.6	502.4	502.2	502.0
162.5°	512.1	512.1	512.1	512.1
165°	520.5	520.6	520.7	520.8
167.5°	527.7	528.0	528.3	528.6
170°	533.6	533.9	534.2	534.5
172.5°	537.7	538.0	538.3	538.6
175°	540.9	541.2	541.5	541.8
177.5°	542.8	543.1	543.4	543.7
180°	542.8	542.8	542.8	542.8

(END OF REPORT)