

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: CORELITE

Report Number: P936206

Luminaire Tested: SQ4-FA-150U-125D-B50-1D-UNV-W2A-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936206
REPORT IS A COMBINATION OF REPORTS P933782 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B50-1D-UNV-W2A-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

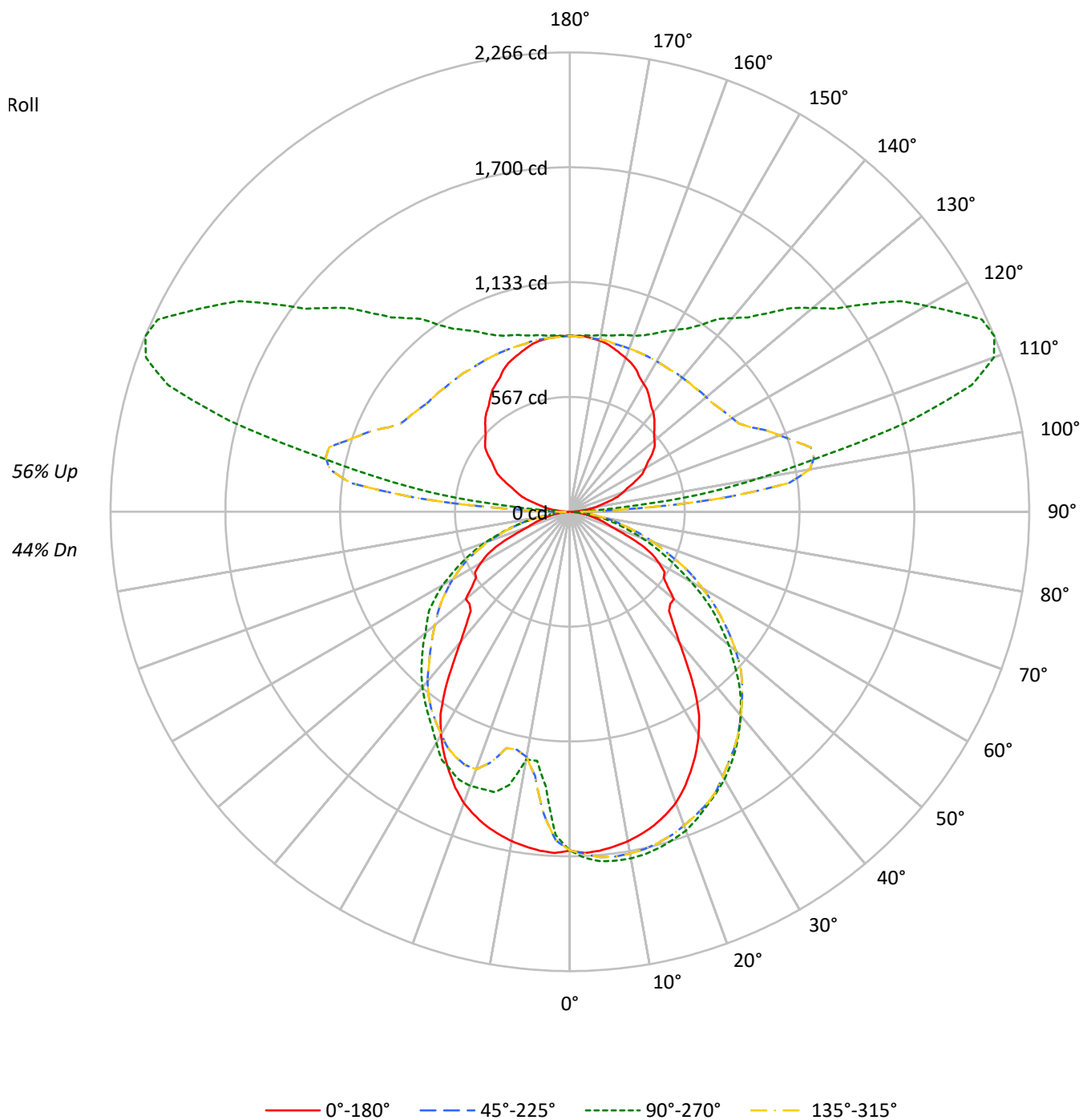
Lumens per Lamp: N/A
Luminaire Lumens: 9962.1 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 83.2
Input Voltage (V): NR
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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15503	15503	15503	15503
5°	15602	15650	15602	12305
10°	15481	15416	15481	11021
15°	15294	15082	15294	12593
20°	14957	14686	14957	12620
25°	14285	14109	14285	12352
30°	13423	13630	13423	11766
35°	11949	13024	11949	11120
40°	9939	12310	9939	10632
45°	8863	11475	8863	10072
50°	9394	10479	9394	9509
55°	8814	9407	8814	9183
60°	9052	7989	9052	8411
65°	8169	6604	8169	7383
70°	5618	5263	5618	6187
75°	4873	3891	4873	4659
80°	3847	2571	3847	2801
85°	2095	1362	2095	1157

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 13610 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.5
10°-20°	428.2	4.3
20°-30°	661.9	6.6
30°-40°	790.2	7.9
40°-50°	794.8	8.0
50°-60°	691.6	6.9
60°-70°	490.3	4.9
70°-80°	259.4	2.6
80°-90°	67.9	0.7
90°-100°	423.1	4.2
100°-110°	1112.4	11.2
110°-120°	1153.4	11.6
120°-130°	925.2	9.3
130°-140°	725.9	7.3
140°-150°	557.2	5.6
150°-160°	401.3	4.0
160°-170°	245.5	2.5
170°-180°	82.9	0.8
0°-30°	1240.9	12.5
0°-40°	2031.1	20.4
0°-60°	3517.5	35.3
0°-90°	4335.2	43.5
90°-120°	2688.9	27.0
90°-150°	4897.1	49.2
90°-180°	5627.0	56.5
0°-180°	9962.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1671	1671	1671	1671	1671	
5°	1679	1731	1679	1361	1679	159
15°	1603	1715	1603	1432	1603	451
25°	1412	1600	1412	1400	1412	648
35°	1073	1427	1073	1219	1073	664
45°	692	1176	692	1032	692	555
55°	564	868	564	847	564	519
65°	392	523	392	585	392	375
75°	149	248	149	297	149	156
85°	25	63	25	54	25	34
90°	6	22	6	22	6	6
95°	56	256	56	256	56	62
105°	200	1742	200	1742	200	212
115°	356	2243	356	2243	356	352
125°	495	1786	495	1786	495	440
135°	590	1386	590	1386	590	457
145°	684	1124	684	1124	684	429
155°	774	968	774	968	774	355
165°	835	902	835	902	835	236
175°	868	874	868	874	868	82
180°	868	868	868	868	868	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1684.9	1684.9	1694.5	1697.6	1697.6	1692.9	1688.1	1692.9	1707.1	1711.8	1710.2
5°	1678.6	1691.3	1708.7	1711.8	1715.0	1713.4	1710.2	1713.4	1729.2	1732.4	1734.0
7.5°	1666.0	1689.7	1711.8	1716.6	1721.3	1716.6	1715.0	1718.2	1734.0	1737.1	1737.1
10°	1650.2	1683.3	1708.7	1711.8	1716.6	1711.8	1711.8	1718.2	1734.0	1737.1	1738.7
12.5°	1628.1	1673.9	1697.6	1700.7	1707.1	1705.5	1703.9	1710.2	1726.0	1729.2	1729.2
15°	1602.7	1656.5	1678.6	1681.8	1692.9	1689.7	1689.7	1696.1	1713.4	1718.2	1716.6
17.5°	1568.0	1634.4	1659.6	1664.4	1672.3	1670.7	1672.3	1678.6	1694.5	1697.6	1699.1
20°	1528.5	1604.3	1634.4	1639.1	1647.0	1647.0	1647.0	1655.0	1670.7	1677.1	1677.1
22.5°	1474.7	1572.8	1604.3	1607.5	1616.9	1616.9	1620.1	1631.2	1645.4	1647.0	1647.0
25°	1411.5	1537.9	1564.8	1574.4	1583.8	1588.5	1593.3	1599.6	1604.3	1602.7	1604.3
27.5°	1345.1	1493.7	1528.5	1534.7	1547.5	1552.2	1558.5	1560.1	1561.6	1566.4	1563.2
30°	1270.8	1432.0	1484.2	1490.6	1511.1	1514.2	1507.9	1511.1	1519.0	1522.1	1525.3
32.5°	1187.0	1340.4	1438.4	1452.6	1471.6	1462.1	1460.5	1465.3	1477.9	1477.9	1481.0
35°	1073.3	1269.2	1395.7	1408.4	1422.6	1411.5	1417.8	1419.4	1427.3	1432.0	1430.5
37.5°	948.4	1207.6	1351.4	1360.9	1372.0	1357.8	1367.3	1372.0	1378.3	1375.1	1375.1
40°	837.7	1111.2	1299.3	1305.6	1315.1	1304.1	1313.5	1316.7	1319.8	1316.7	1315.1
42.5°	755.5	1005.3	1244.0	1251.8	1245.5	1253.4	1256.6	1263.0	1258.2	1251.8	1251.8
45°	692.3	976.9	1183.8	1193.4	1183.8	1196.5	1201.3	1201.3	1187.0	1183.8	1182.4
47.5°	671.7	919.9	1123.8	1123.8	1119.1	1134.9	1142.7	1131.7	1117.5	1112.8	1112.8
50°	670.1	856.7	1041.6	1035.3	1057.5	1076.4	1068.5	1057.5	1046.4	1029.0	1029.0
52.5°	608.5	779.2	935.8	959.4	994.2	1005.3	992.7	981.5	962.6	954.7	948.4
55°	564.3	698.6	839.3	886.7	923.1	937.3	913.6	902.5	874.1	869.4	866.2
57.5°	554.8	581.7	750.8	810.9	855.1	853.6	839.3	818.7	795.0	790.4	788.8
60°	508.9	420.5	655.9	727.1	772.9	768.2	755.5	736.6	714.4	711.2	708.2
62.5°	461.6	305.0	548.4	629.0	693.9	692.3	681.3	652.8	637.0	629.0	622.8
65°	392.0	256.1	390.4	523.2	616.4	619.6	595.9	575.3	558.0	548.4	546.9
67.5°	298.7	208.7	263.9	436.3	542.2	539.0	508.9	499.5	477.4	472.6	463.2
70°	221.3	139.1	183.3	354.1	469.4	461.6	437.9	426.7	406.2	395.2	388.8
72.5°	183.3	112.3	134.3	275.1	395.2	385.6	365.1	352.5	335.1	325.6	319.2
75°	148.6	118.5	102.7	203.9	320.8	314.6	295.6	282.9	268.7	256.1	257.6
77.5°	109.1	110.7	82.2	150.2	254.5	245.0	234.0	218.1	211.8	199.1	199.1
80°	82.2	87.0	61.6	102.7	183.3	183.3	173.9	162.8	151.8	145.4	145.4
82.5°	55.3	55.3	45.9	64.8	124.9	120.1	113.8	110.7	104.3	101.2	101.2
85°	25.3	31.6	28.5	39.5	68.0	71.2	71.2	68.0	66.4	63.2	64.8
87.5°	7.9	14.2	17.4	22.1	34.7	36.3	37.9	37.9	37.9	39.5	39.5
90°	5.8	10.5	15.1	16.3	25.7	38.1	44.3	39.3	29.5	22.1	22.1
92.5°	23.3	62.9	102.6	112.5	158.0	218.8	249.3	218.5	156.9	110.7	106.3
95°	55.9	128.4	200.9	219.0	388.9	615.5	728.8	650.3	493.4	375.7	362.4
97.5°	96.7	160.6	224.6	240.6	523.9	901.7	1090.5	1040.9	941.8	867.4	842.0
100°	128.1	186.1	244.1	258.6	573.0	992.2	1201.8	1205.4	1212.7	1218.1	1187.9
102.5°	155.0	209.1	263.2	276.7	595.6	1020.7	1233.3	1296.4	1422.8	1517.6	1491.7
105°	200.4	246.3	292.1	303.6	612.2	1023.9	1229.7	1371.3	1654.6	1867.1	1853.1
107.5°	247.0	289.7	332.5	343.2	615.4	978.4	1159.8	1357.4	1752.5	2048.8	2052.2
110°	278.4	317.0	355.7	365.3	610.7	937.9	1101.6	1322.5	1764.1	2095.4	2109.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	309.3	346.1	382.9	392.1	610.9	902.7	1048.6	1274.6	1726.7	2065.7	2088.0
115°	355.9	389.9	423.8	432.3	616.5	862.3	985.1	1202.8	1638.3	1964.9	1995.9
117.5°	402.0	432.8	463.6	471.3	628.0	837.0	941.4	1137.9	1530.9	1825.7	1860.0
120°	428.7	457.8	486.7	494.0	637.3	828.4	923.9	1103.4	1462.6	1731.9	1765.2
122.5°	455.0	484.2	513.5	520.8	650.7	824.0	910.6	1072.2	1395.6	1638.1	1670.9
125°	495.2	521.8	548.5	555.2	668.7	820.2	896.0	1033.3	1308.0	1514.0	1544.3
127.5°	527.8	554.7	581.6	588.3	686.8	818.1	883.8	1001.7	1237.6	1414.4	1439.9
130°	545.3	574.2	603.2	610.5	700.0	819.4	879.1	984.1	1194.0	1351.5	1375.0
132.5°	563.3	592.3	621.3	628.6	710.7	820.2	875.0	968.9	1156.9	1297.9	1319.0
135°	590.1	616.5	642.9	649.5	722.4	819.4	868.0	946.7	1104.1	1222.1	1240.4
137.5°	617.5	643.6	669.8	676.3	739.8	824.5	866.8	933.3	1066.4	1166.3	1181.1
140°	640.3	664.4	688.5	694.4	750.6	825.4	862.7	920.2	1035.2	1121.4	1135.3
142.5°	657.7	680.0	702.2	707.8	759.4	828.3	862.7	913.3	1014.2	1090.0	1101.9
145°	684.5	704.0	723.3	728.1	771.1	828.4	856.9	898.2	980.8	1042.7	1051.8
147.5°	711.2	730.2	749.1	753.8	788.2	834.1	856.9	889.4	954.4	1003.1	1010.6
150°	728.8	745.9	762.9	767.2	797.1	837.0	856.9	884.4	939.2	980.4	986.5
152.5°	746.8	759.8	772.7	776.0	803.0	838.9	856.9	880.4	927.3	962.4	967.0
155°	773.6	783.3	792.8	795.2	815.8	843.2	856.9	875.6	912.9	940.8	943.9
157.5°	793.4	802.8	812.0	814.4	828.6	847.5	856.9	871.4	900.4	922.1	924.3
160°	806.8	814.1	821.4	823.1	834.4	849.5	856.9	869.4	894.2	912.8	914.0
162.5°	820.2	825.7	831.1	832.5	840.6	851.5	856.9	867.4	888.4	904.1	905.2
165°	834.8	839.7	844.6	845.8	849.6	854.5	856.9	864.4	879.5	890.7	891.9
167.5°	848.2	850.5	852.8	853.4	856.5	860.7	862.7	867.7	877.5	884.9	885.4
170°	856.9	859.3	861.6	862.2	862.4	862.6	862.7	867.7	877.5	884.9	884.9
172.5°	861.6	862.1	862.6	862.7	862.7	862.7	862.7	866.7	874.4	880.2	879.7
175°	868.0	868.0	868.0	868.0	866.2	863.9	862.7	865.2	870.1	873.9	873.9
177.5°	868.0	868.0	868.0	868.0	866.7	864.9	864.0	865.9	869.7	872.6	872.1
180°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1713.4	1708.7	1713.4	1710.2	1711.8	1707.1	1692.9	1688.1	1692.9	1697.6	1697.6
5°	1734.0	1730.8	1734.0	1734.0	1732.4	1729.2	1713.4	1710.2	1713.4	1715.0	1711.8
7.5°	1740.2	1735.6	1740.2	1737.1	1737.1	1734.0	1718.2	1715.0	1716.6	1721.3	1716.6
10°	1740.2	1735.6	1740.2	1738.7	1737.1	1734.0	1718.2	1711.8	1711.8	1716.6	1711.8
12.5°	1732.4	1729.2	1732.4	1729.2	1729.2	1726.0	1710.2	1703.9	1705.5	1707.1	1700.7
15°	1719.7	1715.0	1719.7	1716.6	1718.2	1713.4	1696.1	1689.7	1689.7	1692.9	1681.8
17.5°	1700.7	1694.5	1700.7	1699.1	1697.6	1694.5	1678.6	1672.3	1670.7	1672.3	1664.4
20°	1678.6	1673.9	1678.6	1677.1	1677.1	1670.7	1655.0	1647.0	1647.0	1647.0	1639.1
22.5°	1643.8	1639.1	1643.8	1647.0	1647.0	1645.4	1631.2	1620.1	1616.9	1616.9	1607.5
25°	1604.3	1599.6	1604.3	1604.3	1602.7	1604.3	1599.6	1593.3	1588.5	1583.8	1574.4
27.5°	1566.4	1563.2	1566.4	1563.2	1566.4	1561.6	1560.1	1558.5	1552.2	1547.5	1534.7
30°	1528.5	1525.3	1528.5	1525.3	1522.1	1519.0	1511.1	1507.9	1514.2	1511.1	1490.6
32.5°	1481.0	1477.9	1481.0	1481.0	1477.9	1477.9	1465.3	1460.5	1462.1	1471.6	1452.6
35°	1432.0	1427.3	1432.0	1430.5	1432.0	1427.3	1419.4	1417.8	1411.5	1422.6	1408.4
37.5°	1375.1	1370.4	1375.1	1375.1	1375.1	1378.3	1372.0	1367.3	1357.8	1372.0	1360.9
40°	1316.7	1310.3	1316.7	1315.1	1316.7	1319.8	1316.7	1313.5	1304.1	1315.1	1305.6
42.5°	1250.3	1248.7	1250.3	1251.8	1251.8	1258.2	1263.0	1256.6	1253.4	1245.5	1251.8
45°	1179.2	1176.0	1179.2	1182.4	1183.8	1187.0	1201.3	1201.3	1196.5	1183.8	1193.4
47.5°	1103.2	1095.4	1103.2	1112.8	1112.8	1117.5	1131.7	1142.7	1134.9	1119.1	1123.8
50°	1022.6	1024.2	1022.6	1029.0	1029.0	1046.4	1057.5	1068.5	1076.4	1057.5	1035.3
52.5°	943.6	942.0	943.6	948.4	954.7	962.6	981.5	992.7	1005.3	994.2	959.4
55°	864.6	867.8	864.6	866.2	869.4	874.1	902.5	913.6	937.3	923.1	886.7
57.5°	785.6	780.8	785.6	788.8	790.4	795.0	818.7	839.3	853.6	855.1	810.9
60°	693.9	687.6	693.9	708.2	711.2	714.4	736.6	755.5	768.2	772.9	727.1
62.5°	613.3	602.2	613.3	622.8	629.0	637.0	652.8	681.3	692.3	693.9	629.0
65°	527.9	523.2	527.9	546.9	548.4	558.0	575.3	595.9	619.6	616.4	523.2
67.5°	450.5	450.5	450.5	463.2	472.6	477.4	499.5	508.9	539.0	542.2	436.3
70°	379.4	377.8	379.4	388.8	395.2	406.2	426.7	437.9	461.6	469.4	354.1
72.5°	311.4	309.8	311.4	319.2	325.6	335.1	352.5	365.1	385.6	395.2	275.1
75°	251.3	248.2	251.3	257.6	256.1	268.7	282.9	295.6	314.6	320.8	203.9
77.5°	192.9	192.9	192.9	199.1	199.1	211.8	218.1	234.0	245.0	254.5	150.2
80°	143.8	142.2	143.8	145.4	145.4	151.8	162.8	173.9	183.3	183.3	102.7
82.5°	101.2	98.0	101.2	101.2	101.2	104.3	110.7	113.8	120.1	124.9	64.8
85°	63.2	63.2	63.2	64.8	63.2	66.4	68.0	71.2	71.2	68.0	39.5
87.5°	41.1	39.5	41.1	39.5	39.5	37.9	37.9	37.9	36.3	34.7	22.1
90°	22.1	22.1	22.1	22.1	22.1	29.5	39.3	44.3	38.1	25.7	16.3
92.5°	88.6	71.1	88.6	106.3	110.7	156.9	218.5	249.3	218.8	158.0	112.5
95°	309.1	255.7	309.1	362.4	375.7	493.4	650.3	728.8	615.5	388.9	219.0
97.5°	740.6	639.0	740.6	842.0	867.4	941.8	1040.9	1090.5	901.7	523.9	240.6
100°	1067.0	946.0	1067.0	1187.9	1218.1	1212.7	1205.4	1201.8	992.2	573.0	258.6
102.5°	1388.1	1284.5	1388.1	1491.7	1517.6	1422.8	1296.4	1233.3	1020.7	595.6	276.7
105°	1797.5	1741.8	1797.5	1853.1	1867.1	1654.6	1371.3	1229.7	1023.9	612.2	303.6
107.5°	2065.6	2079.1	2065.6	2052.2	2048.8	1752.5	1357.4	1159.8	978.4	615.4	343.2
110°	2167.9	2225.9	2167.9	2109.9	2095.4	1764.1	1322.5	1101.6	937.9	610.7	365.3

TEST NUMBER: P936206

CATALOG NUMBER: SQ4-FA-150U-125D-B50-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2177.1	2266.1	2177.1	2088.0	2065.7	1726.7	1274.6	1048.6	902.7	610.9	392.1
115°	2119.3	2242.8	2119.3	1995.9	1964.9	1638.3	1202.8	985.1	862.3	616.5	432.3
117.5°	1996.9	2133.8	1996.9	1860.0	1825.7	1530.9	1137.9	941.4	837.0	628.0	471.3
120°	1898.3	2031.4	1898.3	1765.2	1731.9	1462.6	1103.4	923.9	828.4	637.3	494.0
122.5°	1802.2	1933.5	1802.2	1670.9	1638.1	1395.6	1072.2	910.6	824.0	650.7	520.8
125°	1665.1	1786.1	1665.1	1544.3	1514.0	1308.0	1033.3	896.0	820.2	668.7	555.2
127.5°	1541.9	1643.9	1541.9	1439.9	1414.4	1237.6	1001.7	883.8	818.1	686.8	588.3
130°	1469.3	1563.5	1469.3	1375.0	1351.5	1194.0	984.1	879.1	819.4	700.0	610.5
132.5°	1403.3	1487.8	1403.3	1319.0	1297.9	1156.9	968.9	875.0	820.2	710.7	628.6
135°	1313.1	1385.9	1313.1	1240.4	1222.1	1104.1	946.7	868.0	819.4	722.4	649.5
137.5°	1240.7	1300.2	1240.7	1181.1	1166.3	1066.4	933.3	866.8	824.5	739.8	676.3
140°	1190.9	1246.6	1190.9	1135.3	1121.4	1035.2	920.2	862.7	825.4	750.6	694.4
142.5°	1149.8	1197.7	1149.8	1101.9	1090.0	1014.2	913.3	862.7	828.3	759.4	707.8
145°	1088.1	1124.3	1088.1	1051.8	1042.7	980.8	898.2	856.9	828.4	771.1	728.1
147.5°	1040.7	1070.7	1040.7	1010.6	1003.1	954.4	889.4	856.9	834.1	788.2	753.8
150°	1010.9	1035.2	1010.9	986.5	980.4	939.2	884.4	856.9	837.0	797.1	767.2
152.5°	985.4	1003.7	985.4	967.0	962.4	927.3	880.4	856.9	838.9	803.0	776.0
155°	956.0	968.2	956.0	943.9	940.8	912.9	875.6	856.9	843.2	815.8	795.2
157.5°	932.8	941.4	932.8	924.3	922.1	900.4	871.4	856.9	847.5	828.6	814.4
160°	919.0	923.9	919.0	914.0	912.8	894.2	869.4	856.9	849.5	834.4	823.1
162.5°	909.9	914.6	909.9	905.2	904.1	888.4	867.4	856.9	851.5	840.6	832.5
165°	896.8	901.8	896.8	891.9	890.7	879.5	864.4	856.9	854.5	849.6	845.8
167.5°	887.5	889.5	887.5	885.4	884.9	877.5	867.7	862.7	860.7	856.5	853.4
170°	884.9	884.9	884.9	884.9	884.9	877.5	867.7	862.7	862.6	862.4	862.2
172.5°	878.0	876.2	878.0	879.7	880.2	874.4	866.7	862.7	862.7	862.7	862.7
175°	873.9	873.9	873.9	873.9	873.9	870.1	865.2	862.7	863.9	866.2	868.0
177.5°	870.0	868.0	870.0	872.1	872.6	869.7	865.9	864.0	864.9	866.7	868.0
180°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0

TEST NUMBER: P936206

CATALOG NUMBER: SQ4-FA-150U-125D-B50-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1694.5	1684.9	1684.9	1669.2	1662.8	1658.0	1650.2	1626.5	1620.1	1613.9	1623.3
5°	1708.7	1691.3	1678.6	1650.2	1626.5	1616.9	1587.0	1530.1	1492.2	1463.7	1447.9
7.5°	1711.8	1689.7	1666.0	1621.7	1564.8	1539.5	1447.9	1343.6	1315.1	1289.8	1274.0
10°	1708.7	1683.3	1650.2	1583.8	1449.5	1405.2	1313.5	1245.5	1228.1	1223.4	1228.1
12.5°	1697.6	1673.9	1628.1	1517.4	1329.3	1299.3	1245.5	1206.0	1202.9	1210.7	1253.4
15°	1678.6	1656.5	1602.7	1428.9	1263.0	1240.8	1202.9	1188.6	1206.0	1261.4	1389.4
17.5°	1659.6	1634.4	1568.0	1342.0	1212.3	1196.5	1169.6	1198.1	1296.1	1370.4	1413.0
20°	1634.4	1604.3	1528.5	1278.7	1176.0	1161.8	1149.1	1277.2	1351.4	1378.3	1402.0
22.5°	1604.3	1572.8	1474.7	1234.5	1138.1	1127.0	1134.9	1321.4	1351.4	1370.4	1390.9
25°	1564.8	1537.9	1411.5	1199.7	1108.0	1095.4	1125.4	1316.7	1334.0	1338.8	1379.9
27.5°	1528.5	1493.7	1345.1	1168.1	1071.7	1066.9	1133.3	1296.1	1308.7	1313.5	1357.8
30°	1484.2	1432.0	1270.8	1134.9	1033.8	1032.2	1134.9	1270.8	1267.6	1280.3	1324.6
32.5°	1438.4	1340.4	1187.0	1093.8	997.4	995.8	1123.8	1232.9	1229.7	1247.1	1280.3
35°	1395.7	1269.2	1073.3	1046.4	951.6	953.1	1097.0	1188.6	1190.2	1206.0	1226.5
37.5°	1351.4	1207.6	948.4	994.2	907.3	907.3	1060.6	1147.5	1144.3	1149.1	1177.6
40°	1299.3	1111.2	837.7	926.2	866.2	861.4	1016.4	1103.2	1092.2	1090.6	1130.1
42.5°	1244.0	1005.3	755.5	836.1	818.7	812.5	962.6	1049.5	1029.0	1033.8	1084.3
45°	1183.8	976.9	692.3	706.6	769.8	765.0	904.1	987.9	973.7	986.3	1038.5
47.5°	1123.8	919.9	671.7	586.5	717.6	716.0	839.3	927.8	919.9	932.6	987.9
50°	1041.6	856.7	670.1	502.7	659.1	665.5	761.9	869.4	869.4	880.4	938.9
52.5°	935.8	779.2	608.5	455.2	591.1	610.1	693.9	818.7	821.9	833.0	885.2
55°	839.3	698.6	564.3	418.9	510.5	551.6	627.6	766.6	772.9	784.0	831.4
57.5°	750.8	581.7	554.8	376.2	436.3	475.8	569.0	716.0	719.2	728.7	774.5
60°	655.9	420.5	508.9	330.4	371.5	401.4	515.3	655.9	667.1	673.3	712.8
62.5°	548.4	305.0	461.6	298.7	339.8	346.1	471.0	599.1	613.3	618.0	641.8
65°	390.4	256.1	392.0	271.9	306.6	308.2	423.6	540.6	553.2	561.1	578.5
67.5°	263.9	208.7	298.7	246.6	281.3	282.9	377.8	472.6	490.0	496.3	507.3
70°	183.3	139.1	221.3	219.7	252.9	256.1	328.8	411.0	426.7	431.5	437.9
72.5°	134.3	112.3	183.3	197.5	222.9	226.0	278.1	341.4	357.3	361.9	365.1
75°	102.7	118.5	148.6	172.3	189.7	191.3	227.6	278.1	289.3	292.4	294.0
77.5°	82.2	110.7	109.1	139.1	154.9	151.8	178.6	215.0	224.4	224.4	224.4
80°	61.6	87.0	82.2	99.6	113.8	110.7	128.1	153.4	156.4	159.6	158.0
82.5°	45.9	55.3	55.3	63.2	75.8	72.7	85.4	99.6	99.6	99.6	102.7
85°	28.5	31.6	25.3	33.2	42.7	41.1	47.4	53.7	55.3	55.3	52.1
87.5°	17.4	14.2	7.9	12.6	19.0	19.0	22.1	23.7	22.1	22.1	22.1
90°	15.1	10.5	5.8	10.5	15.1	16.3	25.7	38.1	44.3	39.3	29.5
92.5°	102.6	62.9	23.3	62.9	102.6	112.5	158.0	218.8	249.3	218.5	156.9
95°	200.9	128.4	55.9	128.4	200.9	219.0	388.9	615.5	728.8	650.3	493.4
97.5°	224.6	160.6	96.7	160.6	224.6	240.6	523.9	901.7	1090.5	1040.9	941.8
100°	244.1	186.1	128.1	186.1	244.1	258.6	573.0	992.2	1201.8	1205.4	1212.7
102.5°	263.2	209.1	155.0	209.1	263.2	276.7	595.6	1020.7	1233.3	1296.4	1422.8
105°	292.1	246.3	200.4	246.3	292.1	303.6	612.2	1023.9	1229.7	1371.3	1654.6
107.5°	332.5	289.7	247.0	289.7	332.5	343.2	615.4	978.4	1159.8	1357.4	1752.5
110°	355.7	317.0	278.4	317.0	355.7	365.3	610.7	937.9	1101.6	1322.5	1764.1

TEST NUMBER: P936206

CATALOG NUMBER: SQ4-FA-150U-125D-B50-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	382.9	346.1	309.3	346.1	382.9	392.1	610.9	902.7	1048.6	1274.6	1726.7
115°	423.8	389.9	355.9	389.9	423.8	432.3	616.5	862.3	985.1	1202.8	1638.3
117.5°	463.6	432.8	402.0	432.8	463.6	471.3	628.0	837.0	941.4	1137.9	1530.9
120°	486.7	457.8	428.7	457.8	486.7	494.0	637.3	828.4	923.9	1103.4	1462.6
122.5°	513.5	484.2	455.0	484.2	513.5	520.8	650.7	824.0	910.6	1072.2	1395.6
125°	548.5	521.8	495.2	521.8	548.5	555.2	668.7	820.2	896.0	1033.3	1308.0
127.5°	581.6	554.7	527.8	554.7	581.6	588.3	686.8	818.1	883.8	1001.7	1237.6
130°	603.2	574.2	545.3	574.2	603.2	610.5	700.0	819.4	879.1	984.1	1194.0
132.5°	621.3	592.3	563.3	592.3	621.3	628.6	710.7	820.2	875.0	968.9	1156.9
135°	642.9	616.5	590.1	616.5	642.9	649.5	722.4	819.4	868.0	946.7	1104.1
137.5°	669.8	643.6	617.5	643.6	669.8	676.3	739.8	824.5	866.8	933.3	1066.4
140°	688.5	664.4	640.3	664.4	688.5	694.4	750.6	825.4	862.7	920.2	1035.2
142.5°	702.2	680.0	657.7	680.0	702.2	707.8	759.4	828.3	862.7	913.3	1014.2
145°	723.3	704.0	684.5	704.0	723.3	728.1	771.1	828.4	856.9	898.2	980.8
147.5°	749.1	730.2	711.2	730.2	749.1	753.8	788.2	834.1	856.9	889.4	954.4
150°	762.9	745.9	728.8	745.9	762.9	767.2	797.1	837.0	856.9	884.4	939.2
152.5°	772.7	759.8	746.8	759.8	772.7	776.0	803.0	838.9	856.9	880.4	927.3
155°	792.8	783.3	773.6	783.3	792.8	795.2	815.8	843.2	856.9	875.6	912.9
157.5°	812.0	802.8	793.4	802.8	812.0	814.4	828.6	847.5	856.9	871.4	900.4
160°	821.4	814.1	806.8	814.1	821.4	823.1	834.4	849.5	856.9	869.4	894.2
162.5°	831.1	825.7	820.2	825.7	831.1	832.5	840.6	851.5	856.9	867.4	888.4
165°	844.6	839.7	834.8	839.7	844.6	845.8	849.6	854.5	856.9	864.4	879.5
167.5°	852.8	850.5	848.2	850.5	852.8	853.4	856.5	860.7	862.7	867.7	877.5
170°	861.6	859.3	856.9	859.3	861.6	862.2	862.4	862.6	862.7	867.7	877.5
172.5°	862.6	862.1	861.6	862.1	862.6	862.7	862.7	862.7	862.7	866.7	874.4
175°	868.0	868.0	868.0	868.0	868.0	868.0	866.2	863.9	862.7	865.2	870.1
177.5°	868.0	868.0	868.0	868.0	868.0	868.0	866.7	864.9	864.0	865.9	869.7
180°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0

TEST NUMBER: P936206

CATALOG NUMBER: SQ4-FA-150U-125D-B50-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1612.3	1607.5	1613.9	1596.4	1613.9	1607.5	1612.3	1623.3	1613.9	1620.1	1626.5
5°	1414.6	1406.8	1381.5	1360.9	1381.5	1406.8	1414.6	1447.9	1463.7	1492.2	1530.1
7.5°	1264.5	1258.2	1251.8	1239.2	1251.8	1258.2	1264.5	1274.0	1289.8	1315.1	1343.6
10°	1231.3	1232.9	1242.4	1240.8	1242.4	1232.9	1231.3	1228.1	1223.4	1228.1	1245.5
12.5°	1316.7	1330.9	1383.1	1379.9	1383.1	1330.9	1316.7	1253.4	1210.7	1202.9	1206.0
15°	1414.6	1419.4	1430.5	1432.0	1430.5	1419.4	1414.6	1389.4	1261.4	1206.0	1188.6
17.5°	1424.2	1425.8	1433.6	1433.6	1433.6	1425.8	1424.2	1413.0	1370.4	1296.1	1198.1
20°	1416.2	1419.4	1435.2	1438.4	1435.2	1419.4	1416.2	1402.0	1378.3	1351.4	1277.2
22.5°	1413.0	1419.4	1432.0	1430.5	1432.0	1419.4	1413.0	1390.9	1370.4	1351.4	1321.4
25°	1397.3	1397.3	1398.9	1400.4	1398.9	1397.3	1397.3	1379.9	1338.8	1334.0	1316.7
27.5°	1364.1	1367.3	1376.7	1375.1	1376.7	1367.3	1364.1	1357.8	1313.5	1308.7	1296.1
30°	1334.0	1330.9	1323.0	1316.7	1323.0	1330.9	1334.0	1324.6	1280.3	1267.6	1270.8
32.5°	1283.5	1275.6	1267.6	1263.0	1267.6	1275.6	1283.5	1280.3	1247.1	1229.7	1232.9
35°	1223.4	1224.9	1223.4	1218.7	1223.4	1224.9	1223.4	1226.5	1206.0	1190.2	1188.6
37.5°	1180.8	1183.8	1182.4	1176.0	1182.4	1183.8	1180.8	1177.6	1149.1	1144.3	1147.5
40°	1136.5	1138.1	1136.5	1131.7	1136.5	1138.1	1136.5	1130.1	1090.6	1092.2	1103.2
42.5°	1093.8	1092.2	1087.5	1084.3	1087.5	1092.2	1093.8	1084.3	1033.8	1029.0	1049.5
45°	1044.8	1046.4	1036.9	1032.2	1036.9	1046.4	1044.8	1038.5	986.3	973.7	987.9
47.5°	995.8	995.8	987.9	983.1	987.9	995.8	995.8	987.9	932.6	919.9	927.8
50°	943.6	942.0	931.0	929.4	931.0	942.0	943.6	938.9	880.4	869.4	869.4
52.5°	883.6	883.6	885.2	888.3	885.2	883.6	883.6	885.2	833.0	821.9	818.7
55°	831.4	833.0	844.1	847.2	844.1	833.0	831.4	831.4	784.0	772.9	766.6
57.5°	777.6	777.6	785.6	785.6	785.6	777.6	777.6	774.5	728.7	719.2	716.0
60°	716.0	719.2	725.5	723.9	725.5	719.2	716.0	712.8	673.3	667.1	655.9
62.5°	651.2	654.4	655.9	652.8	655.9	654.4	651.2	641.8	618.0	613.3	599.1
65°	583.3	586.5	588.0	584.9	588.0	586.5	583.3	578.5	561.1	553.2	540.6
67.5°	513.7	512.1	510.5	516.9	510.5	512.1	513.7	507.3	496.3	490.0	472.6
70°	442.5	442.5	441.0	444.1	441.0	442.5	442.5	437.9	431.5	426.7	411.0
72.5°	366.7	365.1	371.5	366.7	371.5	365.1	366.7	365.1	361.9	357.3	341.4
75°	292.4	295.6	292.4	297.2	292.4	295.6	292.4	294.0	292.4	289.3	278.1
77.5°	222.9	226.0	222.9	222.9	222.9	226.0	222.9	224.4	224.4	224.4	215.0
80°	158.0	156.4	156.4	154.9	156.4	156.4	158.0	158.0	159.6	156.4	153.4
82.5°	101.2	99.6	99.6	102.7	99.6	99.6	101.2	102.7	99.6	99.6	99.6
85°	55.3	56.9	53.7	53.7	53.7	56.9	55.3	52.1	55.3	55.3	53.7
87.5°	20.5	19.0	19.0	19.0	19.0	19.0	20.5	22.1	22.1	22.1	23.7
90°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	29.5	39.3	44.3	38.1
92.5°	110.7	106.3	88.6	71.1	88.6	106.3	110.7	156.9	218.5	249.3	218.8
95°	375.7	362.4	309.1	255.7	309.1	362.4	375.7	493.4	650.3	728.8	615.5
97.5°	867.4	842.0	740.6	639.0	740.6	842.0	867.4	941.8	1040.9	1090.5	901.7
100°	1218.1	1187.9	1067.0	946.0	1067.0	1187.9	1218.1	1212.7	1205.4	1201.8	992.2
102.5°	1517.6	1491.7	1388.1	1284.5	1388.1	1491.7	1517.6	1422.8	1296.4	1233.3	1020.7
105°	1867.1	1853.1	1797.5	1741.8	1797.5	1853.1	1867.1	1654.6	1371.3	1229.7	1023.9
107.5°	2048.8	2052.2	2065.6	2079.1	2065.6	2052.2	2048.8	1752.5	1357.4	1159.8	978.4
110°	2095.4	2109.9	2167.9	2225.9	2167.9	2109.9	2095.4	1764.1	1322.5	1101.6	937.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2065.7	2088.0	2177.1	2266.1	2177.1	2088.0	2065.7	1726.7	1274.6	1048.6	902.7
115°	1964.9	1995.9	2119.3	2242.8	2119.3	1995.9	1964.9	1638.3	1202.8	985.1	862.3
117.5°	1825.7	1860.0	1996.9	2133.8	1996.9	1860.0	1825.7	1530.9	1137.9	941.4	837.0
120°	1731.9	1765.2	1898.3	2031.4	1898.3	1765.2	1731.9	1462.6	1103.4	923.9	828.4
122.5°	1638.1	1670.9	1802.2	1933.5	1802.2	1670.9	1638.1	1395.6	1072.2	910.6	824.0
125°	1514.0	1544.3	1665.1	1786.1	1665.1	1544.3	1514.0	1308.0	1033.3	896.0	820.2
127.5°	1414.4	1439.9	1541.9	1643.9	1541.9	1439.9	1414.4	1237.6	1001.7	883.8	818.1
130°	1351.5	1375.0	1469.3	1563.5	1469.3	1375.0	1351.5	1194.0	984.1	879.1	819.4
132.5°	1297.9	1319.0	1403.3	1487.8	1403.3	1319.0	1297.9	1156.9	968.9	875.0	820.2
135°	1222.1	1240.4	1313.1	1385.9	1313.1	1240.4	1222.1	1104.1	946.7	868.0	819.4
137.5°	1166.3	1181.1	1240.7	1300.2	1240.7	1181.1	1166.3	1066.4	933.3	866.8	824.5
140°	1121.4	1135.3	1190.9	1246.6	1190.9	1135.3	1121.4	1035.2	920.2	862.7	825.4
142.5°	1090.0	1101.9	1149.8	1197.7	1149.8	1101.9	1090.0	1014.2	913.3	862.7	828.3
145°	1042.7	1051.8	1088.1	1124.3	1088.1	1051.8	1042.7	980.8	898.2	856.9	828.4
147.5°	1003.1	1010.6	1040.7	1070.7	1040.7	1010.6	1003.1	954.4	889.4	856.9	834.1
150°	980.4	986.5	1010.9	1035.2	1010.9	986.5	980.4	939.2	884.4	856.9	837.0
152.5°	962.4	967.0	985.4	1003.7	985.4	967.0	962.4	927.3	880.4	856.9	838.9
155°	940.8	943.9	956.0	968.2	956.0	943.9	940.8	912.9	875.6	856.9	843.2
157.5°	922.1	924.3	932.8	941.4	932.8	924.3	922.1	900.4	871.4	856.9	847.5
160°	912.8	914.0	919.0	923.9	919.0	914.0	912.8	894.2	869.4	856.9	849.5
162.5°	904.1	905.2	909.9	914.6	909.9	905.2	904.1	888.4	867.4	856.9	851.5
165°	890.7	891.9	896.8	901.8	896.8	891.9	890.7	879.5	864.4	856.9	854.5
167.5°	884.9	885.4	887.5	889.5	887.5	885.4	884.9	877.5	867.7	862.7	860.7
170°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	877.5	867.7	862.7	862.6
172.5°	880.2	879.7	878.0	876.2	878.0	879.7	880.2	874.4	866.7	862.7	862.7
175°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	870.1	865.2	862.7	863.9
177.5°	872.6	872.1	870.0	868.0	870.0	872.1	872.6	869.7	865.9	864.0	864.9
180°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1670.7	1670.7	1670.7	1670.7	1670.7
2.5°	1650.2	1658.0	1662.8	1669.2	1684.9
5°	1587.0	1616.9	1626.5	1650.2	1678.6
7.5°	1447.9	1539.5	1564.8	1621.7	1666.0
10°	1313.5	1405.2	1449.5	1583.8	1650.2
12.5°	1245.5	1299.3	1329.3	1517.4	1628.1
15°	1202.9	1240.8	1263.0	1428.9	1602.7
17.5°	1169.6	1196.5	1212.3	1342.0	1568.0
20°	1149.1	1161.8	1176.0	1278.7	1528.5
22.5°	1134.9	1127.0	1138.1	1234.5	1474.7
25°	1125.4	1095.4	1108.0	1199.7	1411.5
27.5°	1133.3	1066.9	1071.7	1168.1	1345.1
30°	1134.9	1032.2	1033.8	1134.9	1270.8
32.5°	1123.8	995.8	997.4	1093.8	1187.0
35°	1097.0	953.1	951.6	1046.4	1073.3
37.5°	1060.6	907.3	907.3	994.2	948.4
40°	1016.4	861.4	866.2	926.2	837.7
42.5°	962.6	812.5	818.7	836.1	755.5
45°	904.1	765.0	769.8	706.6	692.3
47.5°	839.3	716.0	717.6	586.5	671.7
50°	761.9	665.5	659.1	502.7	670.1
52.5°	693.9	610.1	591.1	455.2	608.5
55°	627.6	551.6	510.5	418.9	564.3
57.5°	569.0	475.8	436.3	376.2	554.8
60°	515.3	401.4	371.5	330.4	508.9
62.5°	471.0	346.1	339.8	298.7	461.6
65°	423.6	308.2	306.6	271.9	392.0
67.5°	377.8	282.9	281.3	246.6	298.7
70°	328.8	256.1	252.9	219.7	221.3
72.5°	278.1	226.0	222.9	197.5	183.3
75°	227.6	191.3	189.7	172.3	148.6
77.5°	178.6	151.8	154.9	139.1	109.1
80°	128.1	110.7	113.8	99.6	82.2
82.5°	85.4	72.7	75.8	63.2	55.3
85°	47.4	41.1	42.7	33.2	25.3
87.5°	22.1	19.0	19.0	12.6	7.9
90°	25.7	16.3	15.1	10.5	5.8
92.5°	158.0	112.5	102.6	62.9	23.3
95°	388.9	219.0	200.9	128.4	55.9
97.5°	523.9	240.6	224.6	160.6	96.7
100°	573.0	258.6	244.1	186.1	128.1
102.5°	595.6	276.7	263.2	209.1	155.0
105°	612.2	303.6	292.1	246.3	200.4
107.5°	615.4	343.2	332.5	289.7	247.0
110°	610.7	365.3	355.7	317.0	278.4

TEST NUMBER: P936206

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	610.9	392.1	382.9	346.1	309.3
115°	616.5	432.3	423.8	389.9	355.9
117.5°	628.0	471.3	463.6	432.8	402.0
120°	637.3	494.0	486.7	457.8	428.7
122.5°	650.7	520.8	513.5	484.2	455.0
125°	668.7	555.2	548.5	521.8	495.2
127.5°	686.8	588.3	581.6	554.7	527.8
130°	700.0	610.5	603.2	574.2	545.3
132.5°	710.7	628.6	621.3	592.3	563.3
135°	722.4	649.5	642.9	616.5	590.1
137.5°	739.8	676.3	669.8	643.6	617.5
140°	750.6	694.4	688.5	664.4	640.3
142.5°	759.4	707.8	702.2	680.0	657.7
145°	771.1	728.1	723.3	704.0	684.5
147.5°	788.2	753.8	749.1	730.2	711.2
150°	797.1	767.2	762.9	745.9	728.8
152.5°	803.0	776.0	772.7	759.8	746.8
155°	815.8	795.2	792.8	783.3	773.6
157.5°	828.6	814.4	812.0	802.8	793.4
160°	834.4	823.1	821.4	814.1	806.8
162.5°	840.6	832.5	831.1	825.7	820.2
165°	849.6	845.8	844.6	839.7	834.8
167.5°	856.5	853.4	852.8	850.5	848.2
170°	862.4	862.2	861.6	859.3	856.9
172.5°	862.7	862.7	862.6	862.1	861.6
175°	866.2	868.0	868.0	868.0	868.0
177.5°	866.7	868.0	868.0	868.0	868.0
180°	868.0	868.0	868.0	868.0	868.0

(END OF REPORT)