

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: P935307

Luminaire Tested: SQ4-FA-100U-100D-B50-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935307
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-B50-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

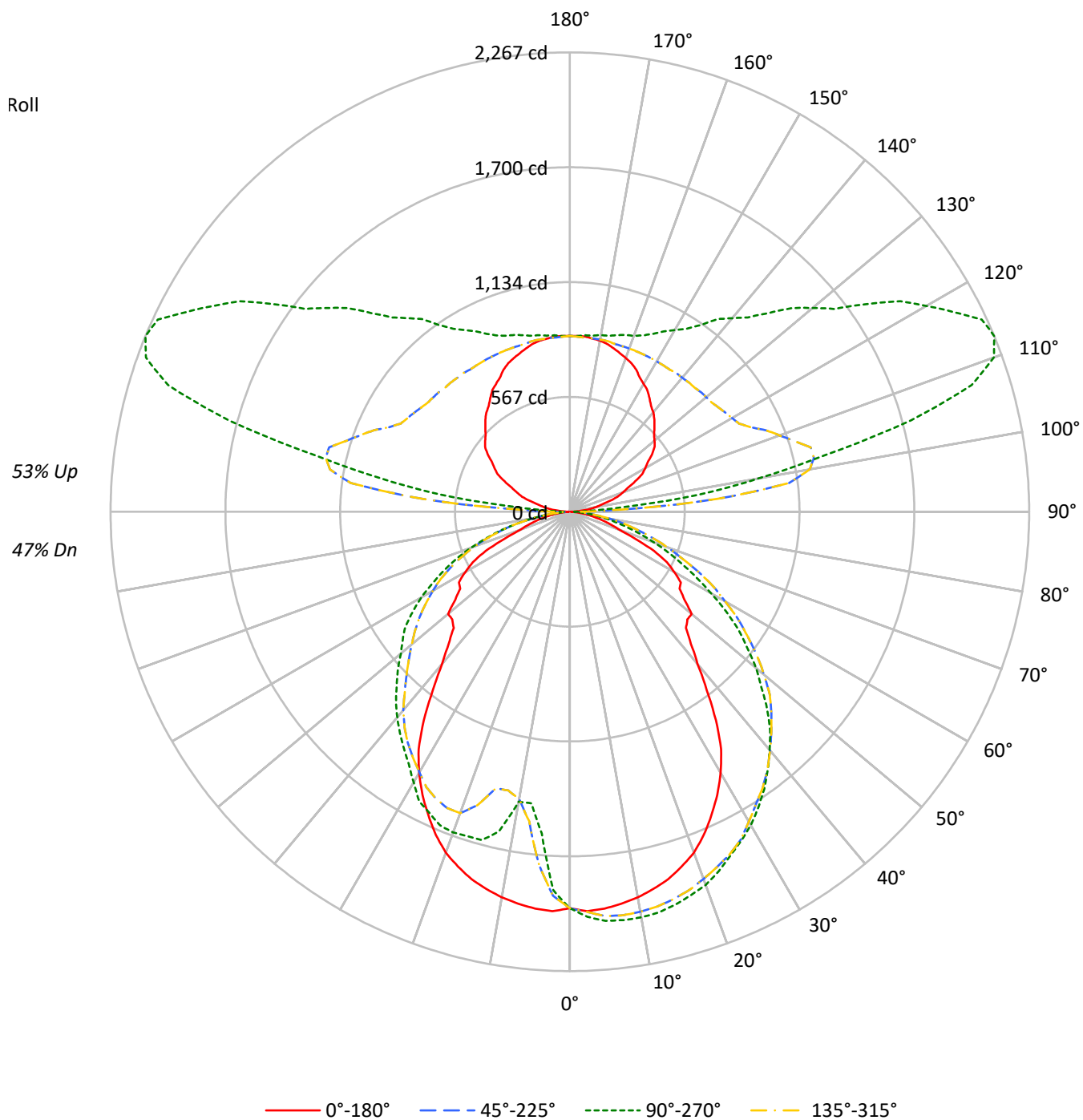
Lumens per Lamp: N/A
Luminaire Lumens: 10704.6 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 87
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12103	12103	12103	12103
5°	12188	12217	12188	9606
10°	12103	12034	12103	8603
15°	11966	11773	11966	9831
20°	11712	11465	11712	9852
25°	11194	11014	11194	9643
30°	10528	10640	10528	9185
35°	9382	10167	9382	8681
40°	7813	9610	7813	8301
45°	6976	8958	6976	7862
50°	7405	8180	7405	7423
55°	6961	7343	6961	7169
60°	7167	6236	7167	6566
65°	6488	5155	6488	5763
70°	4481	4108	4481	4831
75°	3915	3037	3915	3637
80°	3131	2008	3131	2186
85°	1765	1064	1765	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 10699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	1.6
10°-20°	501.4	4.7
20°-30°	775.1	7.2
30°-40°	925.3	8.6
40°-50°	930.7	8.7
50°-60°	809.8	7.6
60°-70°	574.2	5.4
70°-80°	303.8	2.8
80°-90°	79.0	0.7
90°-100°	423.2	4.0
100°-110°	1112.7	10.4
110°-120°	1153.8	10.8
120°-130°	925.5	8.6
130°-140°	726.2	6.8
140°-150°	557.4	5.2
150°-160°	401.4	3.7
160°-170°	245.6	2.3
170°-180°	83.0	0.8
0°-30°	1453.1	13.6
0°-40°	2378.4	22.2
0°-60°	4118.9	38.5
0°-90°	5075.9	47.4
90°-120°	2689.7	25.1
90°-150°	4898.7	45.8
90°-180°	5629.0	52.6
0°-180°	10704.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1956	1956	1956	1956	1956	
5°	1966	2027	1966	1594	1966	186
15°	1877	2008	1877	1677	1877	528
25°	1653	1873	1653	1640	1653	759
35°	1257	1671	1257	1427	1257	778
45°	811	1377	811	1209	811	649
55°	661	1016	661	992	661	607
65°	459	613	459	685	459	439
75°	174	291	174	348	174	183
85°	30	74	30	63	30	40
90°	6	22	6	22	6	6
95°	56	256	56	256	56	62
105°	200	1742	200	1742	200	212
115°	356	2244	356	2244	356	352
125°	495	1787	495	1787	495	440
135°	590	1386	590	1386	590	457
145°	685	1125	685	1125	685	429
155°	774	968	774	968	774	356
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°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1973.1	1973.1	1984.2	1987.8	1987.8	1982.3	1976.7	1982.3	1998.9	2004.6	2002.7
5°	1965.6	1980.5	2000.8	2004.6	2008.2	2006.3	2002.7	2006.3	2024.8	2028.6	2030.4
7.5°	1950.8	1978.6	2004.6	2010.1	2015.6	2010.1	2008.2	2011.9	2030.4	2034.2	2034.2
10°	1932.4	1971.2	2000.8	2004.6	2010.1	2004.6	2004.6	2011.9	2030.4	2034.2	2035.9
12.5°	1906.4	1960.1	1987.8	1991.6	1998.9	1997.1	1995.2	2002.7	2021.2	2024.8	2024.8
15°	1876.8	1939.7	1965.6	1969.3	1982.3	1978.6	1978.6	1986.0	2006.3	2011.9	2010.1
17.5°	1836.1	1913.8	1943.5	1949.0	1958.2	1956.4	1958.2	1965.6	1984.2	1987.8	1989.7
20°	1789.8	1878.6	1913.8	1919.4	1928.6	1928.6	1928.6	1937.9	1956.4	1963.8	1963.8
22.5°	1726.9	1841.7	1878.6	1882.4	1893.5	1893.5	1897.1	1910.1	1926.7	1928.6	1928.6
25°	1652.8	1800.9	1832.4	1843.4	1854.6	1860.2	1865.7	1873.1	1878.6	1876.8	1878.6
27.5°	1575.1	1749.1	1789.8	1797.2	1812.1	1817.6	1824.9	1826.8	1828.7	1834.2	1830.5
30°	1488.1	1676.9	1738.0	1745.4	1769.5	1773.1	1765.7	1769.5	1778.7	1782.4	1786.1
32.5°	1390.0	1569.6	1684.3	1701.0	1723.1	1712.0	1710.2	1715.8	1730.6	1730.6	1734.3
35°	1256.8	1486.3	1634.3	1649.2	1665.8	1652.8	1660.3	1662.1	1671.3	1676.9	1675.0
37.5°	1110.5	1414.1	1582.5	1593.6	1606.6	1589.9	1601.0	1606.6	1614.0	1610.3	1610.3
40°	981.0	1301.2	1521.4	1528.9	1540.0	1527.0	1538.1	1541.8	1545.5	1541.8	1540.0
42.5°	884.7	1177.1	1456.7	1465.9	1458.5	1467.8	1471.4	1478.9	1473.3	1465.9	1465.9
45°	810.7	1143.9	1386.3	1397.5	1386.3	1401.1	1406.7	1406.7	1390.0	1386.3	1384.5
47.5°	786.6	1077.2	1316.0	1316.0	1310.4	1328.9	1338.1	1325.3	1308.5	1303.0	1303.0
50°	784.7	1003.2	1219.7	1212.3	1238.2	1260.4	1251.2	1238.2	1225.3	1205.0	1205.0
52.5°	712.5	912.5	1095.7	1123.5	1164.2	1177.1	1162.4	1149.4	1127.2	1117.9	1110.5
55°	660.8	818.1	982.8	1038.3	1080.9	1097.5	1069.8	1056.8	1023.6	1018.0	1014.3
57.5°	649.7	681.2	879.2	949.5	1001.3	999.5	982.8	958.8	931.0	925.4	923.6
60°	596.0	492.3	768.1	851.4	905.0	899.5	884.7	862.5	836.6	832.9	829.2
62.5°	540.4	357.3	642.2	736.6	812.6	810.7	797.7	764.4	745.9	736.6	729.3
65°	459.1	299.8	457.2	612.6	721.9	725.5	697.8	673.7	653.3	642.2	640.4
67.5°	349.8	244.3	309.1	510.8	634.8	631.2	596.0	584.9	559.0	553.4	542.3
70°	259.1	162.9	214.7	414.6	549.8	540.4	512.7	499.8	475.7	462.7	455.3
72.5°	214.7	131.4	157.3	322.0	462.7	451.6	427.6	412.7	392.4	381.3	373.9
75°	174.0	138.8	120.3	238.7	375.7	368.4	346.1	331.3	314.7	299.8	301.7
77.5°	127.7	129.5	96.2	175.9	297.9	286.9	273.9	255.4	248.0	233.2	233.2
80°	96.2	101.8	72.2	120.3	214.7	214.7	203.6	190.6	177.6	170.3	170.3
82.5°	64.8	64.8	53.7	75.8	146.3	140.7	133.3	129.5	122.2	118.4	118.4
85°	29.6	37.0	33.3	46.2	79.6	83.3	83.3	79.6	77.7	74.1	75.8
87.5°	9.2	16.6	20.4	25.9	40.7	42.6	44.5	44.5	44.5	46.2	46.2
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°	23.4	63.0	102.6	112.5	158.1	218.9	249.4	218.6	156.9	110.7	106.3
95°	55.9	128.4	201.0	219.1	389.1	615.7	729.0	650.5	493.5	375.8	362.5
97.5°	96.8	160.7	224.7	240.7	524.1	902.0	1090.9	1041.3	942.1	867.7	842.3
100°	128.2	186.2	244.2	258.7	573.2	992.5	1202.2	1205.8	1213.1	1218.5	1188.2
102.5°	155.0	209.2	263.3	276.8	595.8	1021.0	1233.6	1296.9	1423.2	1518.0	1492.2
105°	200.4	246.3	292.2	303.6	612.5	1024.3	1230.2	1371.9	1655.1	1867.6	1853.7
107.5°	247.0	289.8	332.6	343.2	615.6	978.6	1160.2	1357.8	1753.0	2049.5	2052.8
110°	278.5	317.1	355.8	365.4	610.9	938.3	1101.9	1322.8	1764.7	2096.1	2110.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	309.4	346.2	383.0	392.2	611.1	903.0	1048.9	1275.0	1727.2	2066.4	2088.6
115°	356.0	389.9	423.8	432.3	616.7	862.5	985.4	1203.2	1638.9	1965.6	1996.5
117.5°	402.1	432.9	463.7	471.4	628.1	837.1	941.7	1138.3	1531.4	1826.3	1860.5
120°	428.9	457.9	486.9	494.2	637.5	828.6	924.2	1103.8	1463.0	1732.5	1765.7
122.5°	455.1	484.4	513.7	521.0	650.9	824.2	910.8	1072.6	1396.0	1638.6	1671.5
125°	495.3	522.0	548.7	555.4	669.0	820.5	896.3	1033.7	1308.4	1514.6	1544.8
127.5°	528.0	554.9	581.9	588.6	687.1	818.4	884.0	1002.0	1237.9	1414.9	1440.4
130°	545.5	574.5	603.5	610.7	700.3	819.7	879.4	984.3	1194.4	1352.0	1375.5
132.5°	563.5	592.5	621.5	628.8	711.0	820.5	875.3	969.3	1157.3	1298.4	1319.5
135°	590.3	616.7	643.2	649.8	722.6	819.7	868.2	947.0	1104.5	1222.6	1240.8
137.5°	617.7	643.8	670.1	676.6	740.1	824.8	867.1	933.7	1066.8	1166.7	1181.5
140°	640.4	664.5	688.6	694.6	750.7	825.6	863.0	920.6	1035.5	1121.7	1135.7
142.5°	657.9	680.2	702.5	708.1	759.7	828.6	863.0	913.5	1014.5	1090.3	1102.2
145°	684.7	704.1	723.6	728.4	771.4	828.6	857.2	898.5	981.2	1043.1	1052.2
147.5°	711.5	730.4	749.3	754.0	788.4	834.2	857.2	889.7	954.7	1003.5	1011.0
150°	729.0	746.1	763.2	767.5	797.4	837.2	857.2	884.7	939.5	980.7	986.8
152.5°	747.1	760.1	773.0	776.2	803.2	839.2	857.2	880.7	927.6	962.7	967.3
155°	773.9	783.4	793.0	795.4	816.0	843.5	857.2	875.9	913.2	941.1	944.2
157.5°	793.7	803.1	812.3	814.6	828.8	847.8	857.2	871.7	900.7	922.5	924.7
160°	807.1	814.4	821.6	823.4	834.7	849.8	857.2	869.6	894.5	913.2	914.4
162.5°	820.5	825.9	831.4	832.8	840.9	851.8	857.2	867.7	888.7	904.4	905.5
165°	835.1	839.9	844.9	846.1	849.8	854.8	857.2	864.7	879.7	891.0	892.3
167.5°	848.4	850.8	853.1	853.7	856.8	861.0	863.0	868.0	877.8	885.2	885.7
170°	857.2	859.6	861.9	862.5	862.6	862.9	863.0	868.0	877.8	885.2	885.2
172.5°	861.9	862.4	862.9	863.0	863.0	863.0	863.0	866.9	874.7	880.5	880.0
175°	868.2	868.2	868.2	868.2	866.5	864.1	863.0	865.4	870.4	874.1	874.1
177.5°	868.2	868.2	868.2	868.2	866.9	865.2	864.2	866.2	870.0	872.9	872.4
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	2006.3	2000.8	2006.3	2002.7	2004.6	1998.9	1982.3	1976.7	1982.3	1987.8	1987.8
5°	2030.4	2026.7	2030.4	2030.4	2028.6	2024.8	2006.3	2002.7	2006.3	2008.2	2004.6
7.5°	2037.8	2032.3	2037.8	2034.2	2034.2	2030.4	2011.9	2008.2	2010.1	2015.6	2010.1
10°	2037.8	2032.3	2037.8	2035.9	2034.2	2030.4	2011.9	2004.6	2004.6	2010.1	2004.6
12.5°	2028.6	2024.8	2028.6	2024.8	2024.8	2021.2	2002.7	1995.2	1997.1	1998.9	1991.6
15°	2013.8	2008.2	2013.8	2010.1	2011.9	2006.3	1986.0	1978.6	1978.6	1982.3	1969.3
17.5°	1991.6	1984.2	1991.6	1989.7	1987.8	1984.2	1965.6	1958.2	1956.4	1958.2	1949.0
20°	1965.6	1960.1	1965.6	1963.8	1963.8	1956.4	1937.9	1928.6	1928.6	1928.6	1919.4
22.5°	1924.9	1919.4	1924.9	1928.6	1928.6	1926.7	1910.1	1897.1	1893.5	1893.5	1882.4
25°	1878.6	1873.1	1878.6	1878.6	1876.8	1878.6	1873.1	1865.7	1860.2	1854.6	1843.4
27.5°	1834.2	1830.5	1834.2	1830.5	1834.2	1828.7	1826.8	1824.9	1817.6	1812.1	1797.2
30°	1789.8	1786.1	1789.8	1786.1	1782.4	1778.7	1769.5	1765.7	1773.1	1769.5	1745.4
32.5°	1734.3	1730.6	1734.3	1734.3	1730.6	1730.6	1715.8	1710.2	1712.0	1723.1	1701.0
35°	1676.9	1671.3	1676.9	1675.0	1676.9	1671.3	1662.1	1660.3	1652.8	1665.8	1649.2
37.5°	1610.3	1604.7	1610.3	1610.3	1610.3	1614.0	1606.6	1601.0	1589.9	1606.6	1593.6
40°	1541.8	1534.4	1541.8	1540.0	1541.8	1545.5	1541.8	1538.1	1527.0	1540.0	1528.9
42.5°	1464.0	1462.2	1464.0	1465.9	1465.9	1473.3	1478.9	1471.4	1467.8	1458.5	1465.9
45°	1380.7	1377.1	1380.7	1384.5	1386.3	1390.0	1406.7	1406.7	1401.1	1386.3	1397.5
47.5°	1291.9	1282.7	1291.9	1303.0	1303.0	1308.5	1325.3	1338.1	1328.9	1310.4	1316.0
50°	1197.5	1199.3	1197.5	1205.0	1205.0	1225.3	1238.2	1251.2	1260.4	1238.2	1212.3
52.5°	1105.0	1103.1	1105.0	1110.5	1117.9	1127.2	1149.4	1162.4	1177.1	1164.2	1123.5
55°	1012.5	1016.1	1012.5	1014.3	1018.0	1023.6	1056.8	1069.8	1097.5	1080.9	1038.3
57.5°	919.9	914.3	919.9	923.6	925.4	931.0	958.8	982.8	999.5	1001.3	949.5
60°	812.6	805.1	812.6	829.2	832.9	836.6	862.5	884.7	899.5	905.0	851.4
62.5°	718.2	705.2	718.2	729.3	736.6	745.9	764.4	797.7	810.7	812.6	736.6
65°	618.2	612.6	618.2	640.4	642.2	653.3	673.7	697.8	725.5	721.9	612.6
67.5°	527.5	527.5	527.5	542.3	553.4	559.0	584.9	596.0	631.2	634.8	510.8
70°	444.2	442.3	444.2	455.3	462.7	475.7	499.8	512.7	540.4	549.8	414.6
72.5°	364.6	362.8	364.6	373.9	381.3	392.4	412.7	427.6	451.6	462.7	322.0
75°	294.3	290.6	294.3	301.7	299.8	314.7	331.3	346.1	368.4	375.7	238.7
77.5°	225.8	225.8	225.8	233.2	233.2	248.0	255.4	273.9	286.9	297.9	175.9
80°	168.4	166.6	168.4	170.3	170.3	177.6	190.6	203.6	214.7	214.7	120.3
82.5°	118.4	114.8	118.4	118.4	118.4	122.2	129.5	133.3	140.7	146.3	75.8
85°	74.1	74.1	74.1	75.8	74.1	77.7	79.6	83.3	83.3	79.6	46.2
87.5°	48.1	46.2	48.1	46.2	46.2	44.5	44.5	44.5	42.6	40.7	25.9
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	218.6	249.4	218.9	158.1	112.5
95°	309.2	255.8	309.2	362.5	375.8	493.5	650.5	729.0	615.7	389.1	219.1
97.5°	740.8	639.2	740.8	842.3	867.7	942.1	1041.3	1090.9	902.0	524.1	240.7
100°	1067.3	946.3	1067.3	1188.2	1218.5	1213.1	1205.8	1202.2	992.5	573.2	258.7
102.5°	1388.5	1284.9	1388.5	1492.2	1518.0	1423.2	1296.9	1233.6	1021.0	595.8	276.8
105°	1798.0	1742.4	1798.0	1853.7	1867.6	1655.1	1371.9	1230.2	1024.3	612.5	303.6
107.5°	2066.4	2079.8	2066.4	2052.8	2049.5	1753.0	1357.8	1160.2	978.6	615.6	343.2
110°	2168.7	2226.7	2168.7	2110.6	2096.1	1764.7	1322.8	1101.9	938.3	610.9	365.4

TEST NUMBER: P935307

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2177.7	2266.8	2177.7	2088.6	2066.4	1727.2	1275.0	1048.9	903.0	611.1	392.2
115°	2120.0	2243.6	2120.0	1996.5	1965.6	1638.9	1203.2	985.4	862.5	616.7	432.3
117.5°	1997.5	2134.6	1997.5	1860.5	1826.3	1531.4	1138.3	941.7	837.1	628.1	471.4
120°	1898.9	2032.0	1898.9	1765.7	1732.5	1463.0	1103.8	924.2	828.6	637.5	494.2
122.5°	1802.8	1934.1	1802.8	1671.5	1638.6	1396.0	1072.6	910.8	824.2	650.9	521.0
125°	1665.7	1786.6	1665.7	1544.8	1514.6	1308.4	1033.7	896.3	820.5	669.0	555.4
127.5°	1542.5	1644.5	1542.5	1440.4	1414.9	1237.9	1002.0	884.0	818.4	687.1	588.6
130°	1469.8	1564.1	1469.8	1375.5	1352.0	1194.4	984.3	879.4	819.7	700.3	610.7
132.5°	1403.9	1488.3	1403.9	1319.5	1298.4	1157.3	969.3	875.3	820.5	711.0	628.8
135°	1313.6	1386.3	1313.6	1240.8	1222.6	1104.5	947.0	868.2	819.7	722.6	649.8
137.5°	1241.1	1300.7	1241.1	1181.5	1166.7	1066.8	933.7	867.1	824.8	740.1	676.6
140°	1191.4	1247.1	1191.4	1135.7	1121.7	1035.5	920.6	863.0	825.6	750.7	694.6
142.5°	1150.2	1198.1	1150.2	1102.2	1090.3	1014.5	913.5	863.0	828.6	759.7	708.1
145°	1088.5	1124.7	1088.5	1052.2	1043.1	981.2	898.5	857.2	828.6	771.4	728.4
147.5°	1041.0	1071.1	1041.0	1011.0	1003.5	954.7	889.7	857.2	834.2	788.4	754.0
150°	1011.1	1035.5	1011.1	986.8	980.7	939.5	884.7	857.2	837.2	797.4	767.5
152.5°	985.7	1004.0	985.7	967.3	962.7	927.6	880.7	857.2	839.2	803.2	776.2
155°	956.3	968.5	956.3	944.2	941.1	913.2	875.9	857.2	843.5	816.0	795.4
157.5°	933.2	941.7	933.2	924.7	922.5	900.7	871.7	857.2	847.8	828.8	814.6
160°	919.3	924.2	919.3	914.4	913.2	894.5	869.6	857.2	849.8	834.7	823.4
162.5°	910.2	914.9	910.2	905.5	904.4	888.7	867.7	857.2	851.8	840.9	832.8
165°	897.2	902.1	897.2	892.3	891.0	879.7	864.7	857.2	854.8	849.8	846.1
167.5°	887.8	889.8	887.8	885.7	885.2	877.8	868.0	863.0	861.0	856.8	853.7
170°	885.2	885.2	885.2	885.2	885.2	877.8	868.0	863.0	862.9	862.6	862.5
172.5°	878.2	876.5	878.2	880.0	880.5	874.7	866.9	863.0	863.0	863.0	863.0
175°	874.1	874.1	874.1	874.1	874.1	870.4	865.4	863.0	864.1	866.5	868.2
177.5°	870.3	868.2	870.3	872.4	872.9	870.0	866.2	864.2	865.2	866.9	868.2
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

TEST NUMBER: P935307

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1984.2	1973.1	1973.1	1954.5	1947.1	1941.6	1932.4	1904.5	1897.1	1889.8	1900.9
5°	2000.8	1980.5	1965.6	1932.4	1904.5	1893.5	1858.3	1791.7	1747.2	1713.9	1695.4
7.5°	2004.6	1978.6	1950.8	1899.0	1832.4	1802.7	1695.4	1573.2	1540.0	1510.3	1491.8
10°	2000.8	1971.2	1932.4	1854.6	1697.3	1645.4	1538.1	1458.5	1438.2	1432.6	1438.2
12.5°	1987.8	1960.1	1906.4	1776.8	1556.6	1521.4	1458.5	1412.2	1408.6	1417.8	1467.8
15°	1965.6	1939.7	1876.8	1673.2	1478.9	1452.9	1408.6	1391.8	1412.2	1477.0	1626.9
17.5°	1943.5	1913.8	1836.1	1571.4	1419.6	1401.1	1369.6	1403.0	1517.8	1604.7	1654.7
20°	1913.8	1878.6	1789.8	1497.4	1377.1	1360.4	1345.6	1495.5	1582.5	1614.0	1641.7
22.5°	1878.6	1841.7	1726.9	1445.6	1332.6	1319.6	1328.9	1547.4	1582.5	1604.7	1628.8
25°	1832.4	1800.9	1652.8	1404.8	1297.5	1282.7	1317.9	1541.8	1562.1	1567.7	1615.8
27.5°	1789.8	1749.1	1575.1	1367.8	1254.9	1249.3	1327.1	1517.8	1532.5	1538.1	1589.9
30°	1738.0	1676.9	1488.1	1328.9	1210.5	1208.6	1328.9	1488.1	1484.4	1499.3	1551.0
32.5°	1684.3	1569.6	1390.0	1280.8	1167.9	1166.1	1316.0	1443.7	1439.9	1460.3	1499.3
35°	1634.3	1486.3	1256.8	1225.3	1114.3	1116.0	1284.5	1391.8	1393.7	1412.2	1436.3
37.5°	1582.5	1414.1	1110.5	1164.2	1062.4	1062.4	1241.9	1343.7	1340.0	1345.6	1378.9
40°	1521.4	1301.2	981.0	1084.7	1014.3	1008.7	1190.1	1291.9	1278.9	1277.2	1323.4
42.5°	1456.7	1177.1	884.7	979.1	958.8	951.4	1127.2	1229.0	1205.0	1210.5	1269.7
45°	1386.3	1143.9	810.7	827.3	901.4	895.8	1058.7	1156.8	1140.1	1155.0	1216.1
47.5°	1316.0	1077.2	786.6	686.7	840.3	838.5	982.8	1086.4	1077.2	1092.0	1156.8
50°	1219.7	1003.2	784.7	588.6	771.9	779.2	892.2	1018.0	1018.0	1030.9	1099.4
52.5°	1095.7	912.5	712.5	533.0	692.2	714.4	812.6	958.8	962.5	975.4	1036.5
55°	982.8	818.1	660.8	490.4	597.9	646.0	734.8	897.7	905.0	918.0	973.6
57.5°	879.2	681.2	649.7	440.5	510.8	557.1	666.3	838.5	842.2	853.3	906.9
60°	768.1	492.3	596.0	386.9	435.0	470.1	603.4	768.1	781.1	788.5	834.7
62.5°	642.2	357.3	540.4	349.8	398.0	405.4	551.5	701.5	718.2	723.7	751.5
65°	457.2	299.8	459.1	318.3	359.0	360.9	496.0	633.0	647.8	657.1	677.4
67.5°	309.1	244.3	349.8	288.7	329.4	331.3	442.3	553.4	573.8	581.1	594.1
70°	214.7	162.9	259.1	257.3	296.2	299.8	385.0	481.2	499.8	505.3	512.7
72.5°	157.3	131.4	214.7	231.4	261.0	264.7	325.8	399.8	418.3	423.8	427.6
75°	120.3	138.8	174.0	201.7	222.1	224.0	266.6	325.8	338.7	342.4	344.3
77.5°	96.2	129.5	127.7	162.9	181.4	177.6	209.1	251.7	262.8	262.8	262.8
80°	72.2	101.8	96.2	116.6	133.3	129.5	149.9	179.5	183.3	186.9	185.1
82.5°	53.7	64.8	64.8	74.1	88.8	85.2	99.9	116.6	116.6	116.6	120.3
85°	33.3	37.0	29.6	38.9	50.0	48.1	55.6	63.0	64.8	64.8	61.1
87.5°	20.4	16.6	9.2	14.9	22.2	22.2	25.9	27.7	25.9	25.9	25.9
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	63.0	23.4	63.0	102.6	112.5	158.1	218.9	249.4	218.6	156.9
95°	201.0	128.4	55.9	128.4	201.0	219.1	389.1	615.7	729.0	650.5	493.5
97.5°	224.7	160.7	96.8	160.7	224.7	240.7	524.1	902.0	1090.9	1041.3	942.1
100°	244.2	186.2	128.2	186.2	244.2	258.7	573.2	992.5	1202.2	1205.8	1213.1
102.5°	263.3	209.2	155.0	209.2	263.3	276.8	595.8	1021.0	1233.6	1296.9	1423.2
105°	292.2	246.3	200.4	246.3	292.2	303.6	612.5	1024.3	1230.2	1371.9	1655.1
107.5°	332.6	289.8	247.0	289.8	332.6	343.2	615.6	978.6	1160.2	1357.8	1753.0
110°	355.8	317.1	278.5	317.1	355.8	365.4	610.9	938.3	1101.9	1322.8	1764.7

TEST NUMBER: P935307

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	383.0	346.2	309.4	346.2	383.0	392.2	611.1	903.0	1048.9	1275.0	1727.2
115°	423.8	389.9	356.0	389.9	423.8	432.3	616.7	862.5	985.4	1203.2	1638.9
117.5°	463.7	432.9	402.1	432.9	463.7	471.4	628.1	837.1	941.7	1138.3	1531.4
120°	486.9	457.9	428.9	457.9	486.9	494.2	637.5	828.6	924.2	1103.8	1463.0
122.5°	513.7	484.4	455.1	484.4	513.7	521.0	650.9	824.2	910.8	1072.6	1396.0
125°	548.7	522.0	495.3	522.0	548.7	555.4	669.0	820.5	896.3	1033.7	1308.4
127.5°	581.9	554.9	528.0	554.9	581.9	588.6	687.1	818.4	884.0	1002.0	1237.9
130°	603.5	574.5	545.5	574.5	603.5	610.7	700.3	819.7	879.4	984.3	1194.4
132.5°	621.5	592.5	563.5	592.5	621.5	628.8	711.0	820.5	875.3	969.3	1157.3
135°	643.2	616.7	590.3	616.7	643.2	649.8	722.6	819.7	868.2	947.0	1104.5
137.5°	670.1	643.8	617.7	643.8	670.1	676.6	740.1	824.8	867.1	933.7	1066.8
140°	688.6	664.5	640.4	664.5	688.6	694.6	750.7	825.6	863.0	920.6	1035.5
142.5°	702.5	680.2	657.9	680.2	702.5	708.1	759.7	828.6	863.0	913.5	1014.5
145°	723.6	704.1	684.7	704.1	723.6	728.4	771.4	828.6	857.2	898.5	981.2
147.5°	749.3	730.4	711.5	730.4	749.3	754.0	788.4	834.2	857.2	889.7	954.7
150°	763.2	746.1	729.0	746.1	763.2	767.5	797.4	837.2	857.2	884.7	939.5
152.5°	773.0	760.1	747.1	760.1	773.0	776.2	803.2	839.2	857.2	880.7	927.6
155°	793.0	783.4	773.9	783.4	793.0	795.4	816.0	843.5	857.2	875.9	913.2
157.5°	812.3	803.1	793.7	803.1	812.3	814.6	828.8	847.8	857.2	871.7	900.7
160°	821.6	814.4	807.1	814.4	821.6	823.4	834.7	849.8	857.2	869.6	894.5
162.5°	831.4	825.9	820.5	825.9	831.4	832.8	840.9	851.8	857.2	867.7	888.7
165°	844.9	839.9	835.1	839.9	844.9	846.1	849.8	854.8	857.2	864.7	879.7
167.5°	853.1	850.8	848.4	850.8	853.1	853.7	856.8	861.0	863.0	868.0	877.8
170°	861.9	859.6	857.2	859.6	861.9	862.5	862.6	862.9	863.0	868.0	877.8
172.5°	862.9	862.4	861.9	862.4	862.9	863.0	863.0	863.0	863.0	866.9	874.7
175°	868.2	868.2	868.2	868.2	868.2	868.2	866.5	864.1	863.0	865.4	870.4
177.5°	868.2	868.2	868.2	868.2	868.2	868.2	866.9	865.2	864.2	866.2	870.0
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

TEST NUMBER: P935307

CATALOG NUMBER: SQ4-FA-100U-100D-B50-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1887.9	1882.4	1889.8	1869.4	1889.8	1882.4	1887.9	1900.9	1889.8	1897.1	1904.5
5°	1656.5	1647.3	1617.7	1593.6	1617.7	1647.3	1656.5	1695.4	1713.9	1747.2	1791.7
7.5°	1480.7	1473.3	1465.9	1451.1	1465.9	1473.3	1480.7	1491.8	1510.3	1540.0	1573.2
10°	1441.8	1443.7	1454.8	1452.9	1454.8	1443.7	1441.8	1438.2	1432.6	1438.2	1458.5
12.5°	1541.8	1558.5	1619.6	1615.8	1619.6	1558.5	1541.8	1467.8	1417.8	1408.6	1412.2
15°	1656.5	1662.1	1675.0	1676.9	1675.0	1662.1	1656.5	1626.9	1477.0	1412.2	1391.8
17.5°	1667.7	1669.5	1678.8	1678.8	1678.8	1669.5	1667.7	1654.7	1604.7	1517.8	1403.0
20°	1658.4	1662.1	1680.6	1684.3	1680.6	1662.1	1658.4	1641.7	1614.0	1582.5	1495.5
22.5°	1654.7	1662.1	1676.9	1675.0	1676.9	1662.1	1654.7	1628.8	1604.7	1582.5	1547.4
25°	1636.2	1636.2	1638.0	1639.9	1638.0	1636.2	1636.2	1615.8	1567.7	1562.1	1541.8
27.5°	1597.3	1601.0	1612.1	1610.3	1612.1	1601.0	1597.3	1589.9	1538.1	1532.5	1517.8
30°	1562.1	1558.5	1549.2	1541.8	1549.2	1558.5	1562.1	1551.0	1499.3	1484.4	1488.1
32.5°	1502.9	1493.7	1484.4	1478.9	1484.4	1493.7	1502.9	1499.3	1460.3	1439.9	1443.7
35°	1432.6	1434.4	1432.6	1427.1	1432.6	1434.4	1432.6	1436.3	1412.2	1393.7	1391.8
37.5°	1382.6	1386.3	1384.5	1377.1	1384.5	1386.3	1382.6	1378.9	1345.6	1340.0	1343.7
40°	1330.8	1332.6	1330.8	1325.3	1330.8	1332.6	1330.8	1323.4	1277.2	1278.9	1291.9
42.5°	1280.8	1278.9	1273.4	1269.7	1273.4	1278.9	1280.8	1269.7	1210.5	1205.0	1229.0
45°	1223.4	1225.3	1214.2	1208.6	1214.2	1225.3	1223.4	1216.1	1155.0	1140.1	1156.8
47.5°	1166.1	1166.1	1156.8	1151.2	1156.8	1166.1	1166.1	1156.8	1092.0	1077.2	1086.4
50°	1105.0	1103.1	1090.2	1088.3	1090.2	1103.1	1105.0	1099.4	1030.9	1018.0	1018.0
52.5°	1034.7	1034.7	1036.5	1040.2	1036.5	1034.7	1034.7	1036.5	975.4	962.5	958.8
55°	973.6	975.4	988.4	992.1	988.4	975.4	973.6	973.6	918.0	905.0	897.7
57.5°	910.6	910.6	919.9	919.9	919.9	910.6	910.6	906.9	853.3	842.2	838.5
60°	838.5	842.2	849.6	847.7	849.6	842.2	838.5	834.7	788.5	781.1	768.1
62.5°	762.5	766.3	768.1	764.4	768.1	766.3	762.5	751.5	723.7	718.2	701.5
65°	682.9	686.7	688.5	684.8	688.5	686.7	682.9	677.4	657.1	647.8	633.0
67.5°	601.5	599.7	597.9	605.2	597.9	599.7	601.5	594.1	581.1	573.8	553.4
70°	518.3	518.3	516.4	520.1	516.4	518.3	518.3	512.7	505.3	499.8	481.2
72.5°	429.4	427.6	435.0	429.4	435.0	427.6	429.4	427.6	423.8	418.3	399.8
75°	342.4	346.1	342.4	348.0	342.4	346.1	342.4	344.3	342.4	338.7	325.8
77.5°	261.0	264.7	261.0	261.0	261.0	264.7	261.0	262.8	262.8	262.8	251.7
80°	185.1	183.3	183.3	181.4	183.3	183.3	185.1	185.1	186.9	183.3	179.5
82.5°	118.4	116.6	116.6	120.3	116.6	116.6	118.4	120.3	116.6	116.6	116.6
85°	64.8	66.6	63.0	63.0	63.0	66.6	64.8	61.1	64.8	64.8	63.0
87.5°	24.1	22.2	22.2	22.2	22.2	22.2	24.1	25.9	25.9	25.9	27.7
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	218.6	249.4	218.9
95°	375.8	362.5	309.2	255.8	309.2	362.5	375.8	493.5	650.5	729.0	615.7
97.5°	867.7	842.3	740.8	639.2	740.8	842.3	867.7	942.1	1041.3	1090.9	902.0
100°	1218.5	1188.2	1067.3	946.3	1067.3	1188.2	1218.5	1213.1	1205.8	1202.2	992.5
102.5°	1518.0	1492.2	1388.5	1284.9	1388.5	1492.2	1518.0	1423.2	1296.9	1233.6	1021.0
105°	1867.6	1853.7	1798.0	1742.4	1798.0	1853.7	1867.6	1655.1	1371.9	1230.2	1024.3
107.5°	2049.5	2052.8	2066.4	2079.8	2066.4	2052.8	2049.5	1753.0	1357.8	1160.2	978.6
110°	2096.1	2110.6	2168.7	2226.7	2168.7	2110.6	2096.1	1764.7	1322.8	1101.9	938.3

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2066.4	2088.6	2177.7	2266.8	2177.7	2088.6	2066.4	1727.2	1275.0	1048.9	903.0
115°	1965.6	1996.5	2120.0	2243.6	2120.0	1996.5	1965.6	1638.9	1203.2	985.4	862.5
117.5°	1826.3	1860.5	1997.5	2134.6	1997.5	1860.5	1826.3	1531.4	1138.3	941.7	837.1
120°	1732.5	1765.7	1898.9	2032.0	1898.9	1765.7	1732.5	1463.0	1103.8	924.2	828.6
122.5°	1638.6	1671.5	1802.8	1934.1	1802.8	1671.5	1638.6	1396.0	1072.6	910.8	824.2
125°	1514.6	1544.8	1665.7	1786.6	1665.7	1544.8	1514.6	1308.4	1033.7	896.3	820.5
127.5°	1414.9	1440.4	1542.5	1644.5	1542.5	1440.4	1414.9	1237.9	1002.0	884.0	818.4
130°	1352.0	1375.5	1469.8	1564.1	1469.8	1375.5	1352.0	1194.4	984.3	879.4	819.7
132.5°	1298.4	1319.5	1403.9	1488.3	1403.9	1319.5	1298.4	1157.3	969.3	875.3	820.5
135°	1222.6	1240.8	1313.6	1386.3	1313.6	1240.8	1222.6	1104.5	947.0	868.2	819.7
137.5°	1166.7	1181.5	1241.1	1300.7	1241.1	1181.5	1166.7	1066.8	933.7	867.1	824.8
140°	1121.7	1135.7	1191.4	1247.1	1191.4	1135.7	1121.7	1035.5	920.6	863.0	825.6
142.5°	1090.3	1102.2	1150.2	1198.1	1150.2	1102.2	1090.3	1014.5	913.5	863.0	828.6
145°	1043.1	1052.2	1088.5	1124.7	1088.5	1052.2	1043.1	981.2	898.5	857.2	828.6
147.5°	1003.5	1011.0	1041.0	1071.1	1041.0	1011.0	1003.5	954.7	889.7	857.2	834.2
150°	980.7	986.8	1011.1	1035.5	1011.1	986.8	980.7	939.5	884.7	857.2	837.2
152.5°	962.7	967.3	985.7	1004.0	985.7	967.3	962.7	927.6	880.7	857.2	839.2
155°	941.1	944.2	956.3	968.5	956.3	944.2	941.1	913.2	875.9	857.2	843.5
157.5°	922.5	924.7	933.2	941.7	933.2	924.7	922.5	900.7	871.7	857.2	847.8
160°	913.2	914.4	919.3	924.2	919.3	914.4	913.2	894.5	869.6	857.2	849.8
162.5°	904.4	905.5	910.2	914.9	910.2	905.5	904.4	888.7	867.7	857.2	851.8
165°	891.0	892.3	897.2	902.1	897.2	892.3	891.0	879.7	864.7	857.2	854.8
167.5°	885.2	885.7	887.8	889.8	887.8	885.7	885.2	877.8	868.0	863.0	861.0
170°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	877.8	868.0	863.0	862.9
172.5°	880.5	880.0	878.2	876.5	878.2	880.0	880.5	874.7	866.9	863.0	863.0
175°	874.1	874.1	874.1	874.1	874.1	874.1	874.1	870.4	865.4	863.0	864.1
177.5°	872.9	872.4	870.3	868.2	870.3	872.4	872.9	870.0	866.2	864.2	865.2
180°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1932.4	1941.6	1947.1	1954.5	1973.1
5°	1858.3	1893.5	1904.5	1932.4	1965.6
7.5°	1695.4	1802.7	1832.4	1899.0	1950.8
10°	1538.1	1645.4	1697.3	1854.6	1932.4
12.5°	1458.5	1521.4	1556.6	1776.8	1906.4
15°	1408.6	1452.9	1478.9	1673.2	1876.8
17.5°	1369.6	1401.1	1419.6	1571.4	1836.1
20°	1345.6	1360.4	1377.1	1497.4	1789.8
22.5°	1328.9	1319.6	1332.6	1445.6	1726.9
25°	1317.9	1282.7	1297.5	1404.8	1652.8
27.5°	1327.1	1249.3	1254.9	1367.8	1575.1
30°	1328.9	1208.6	1210.5	1328.9	1488.1
32.5°	1316.0	1166.1	1167.9	1280.8	1390.0
35°	1284.5	1116.0	1114.3	1225.3	1256.8
37.5°	1241.9	1062.4	1062.4	1164.2	1110.5
40°	1190.1	1008.7	1014.3	1084.7	981.0
42.5°	1127.2	951.4	958.8	979.1	884.7
45°	1058.7	895.8	901.4	827.3	810.7
47.5°	982.8	838.5	840.3	686.7	786.6
50°	892.2	779.2	771.9	588.6	784.7
52.5°	812.6	714.4	692.2	533.0	712.5
55°	734.8	646.0	597.9	490.4	660.8
57.5°	666.3	557.1	510.8	440.5	649.7
60°	603.4	470.1	435.0	386.9	596.0
62.5°	551.5	405.4	398.0	349.8	540.4
65°	496.0	360.9	359.0	318.3	459.1
67.5°	442.3	331.3	329.4	288.7	349.8
70°	385.0	299.8	296.2	257.3	259.1
72.5°	325.8	264.7	261.0	231.4	214.7
75°	266.6	224.0	222.1	201.7	174.0
77.5°	209.1	177.6	181.4	162.9	127.7
80°	149.9	129.5	133.3	116.6	96.2
82.5°	99.9	85.2	88.8	74.1	64.8
85°	55.6	48.1	50.0	38.9	29.6
87.5°	25.9	22.2	22.2	14.9	9.2
90°	25.7	16.3	15.1	10.5	5.8
92.5°	158.1	112.5	102.6	63.0	23.4
95°	389.1	219.1	201.0	128.4	55.9
97.5°	524.1	240.7	224.7	160.7	96.8
100°	573.2	258.7	244.2	186.2	128.2
102.5°	595.8	276.8	263.3	209.2	155.0
105°	612.5	303.6	292.2	246.3	200.4
107.5°	615.6	343.2	332.6	289.8	247.0
110°	610.9	365.4	355.8	317.1	278.5

TEST NUMBER: P935307

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	611.1	392.2	383.0	346.2	309.4
115°	616.7	432.3	423.8	389.9	356.0
117.5°	628.1	471.4	463.7	432.9	402.1
120°	637.5	494.2	486.9	457.9	428.9
122.5°	650.9	521.0	513.7	484.4	455.1
125°	669.0	555.4	548.7	522.0	495.3
127.5°	687.1	588.6	581.9	554.9	528.0
130°	700.3	610.7	603.5	574.5	545.5
132.5°	711.0	628.8	621.5	592.5	563.5
135°	722.6	649.8	643.2	616.7	590.3
137.5°	740.1	676.6	670.1	643.8	617.7
140°	750.7	694.6	688.6	664.5	640.4
142.5°	759.7	708.1	702.5	680.2	657.9
145°	771.4	728.4	723.6	704.1	684.7
147.5°	788.4	754.0	749.3	730.4	711.5
150°	797.4	767.5	763.2	746.1	729.0
152.5°	803.2	776.2	773.0	760.1	747.1
155°	816.0	795.4	793.0	783.4	773.9
157.5°	828.8	814.6	812.3	803.1	793.7
160°	834.7	823.4	821.6	814.4	807.1
162.5°	840.9	832.8	831.4	825.9	820.5
165°	849.8	846.1	844.9	839.9	835.1
167.5°	856.8	853.7	853.1	850.8	848.4
170°	862.6	862.5	861.9	859.6	857.2
172.5°	863.0	863.0	862.9	862.4	861.9
175°	866.5	868.2	868.2	868.2	868.2
177.5°	866.9	868.2	868.2	868.2	868.2
180°	868.2	868.2	868.2	868.2	868.2

(END OF REPORT)