

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: P934800

Luminaire Tested: SQ4-FA-075U-075D-B35-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934800
REPORT IS A COMBINATION OF REPORTS P933712 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-B35-1D-UNV-W2A-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

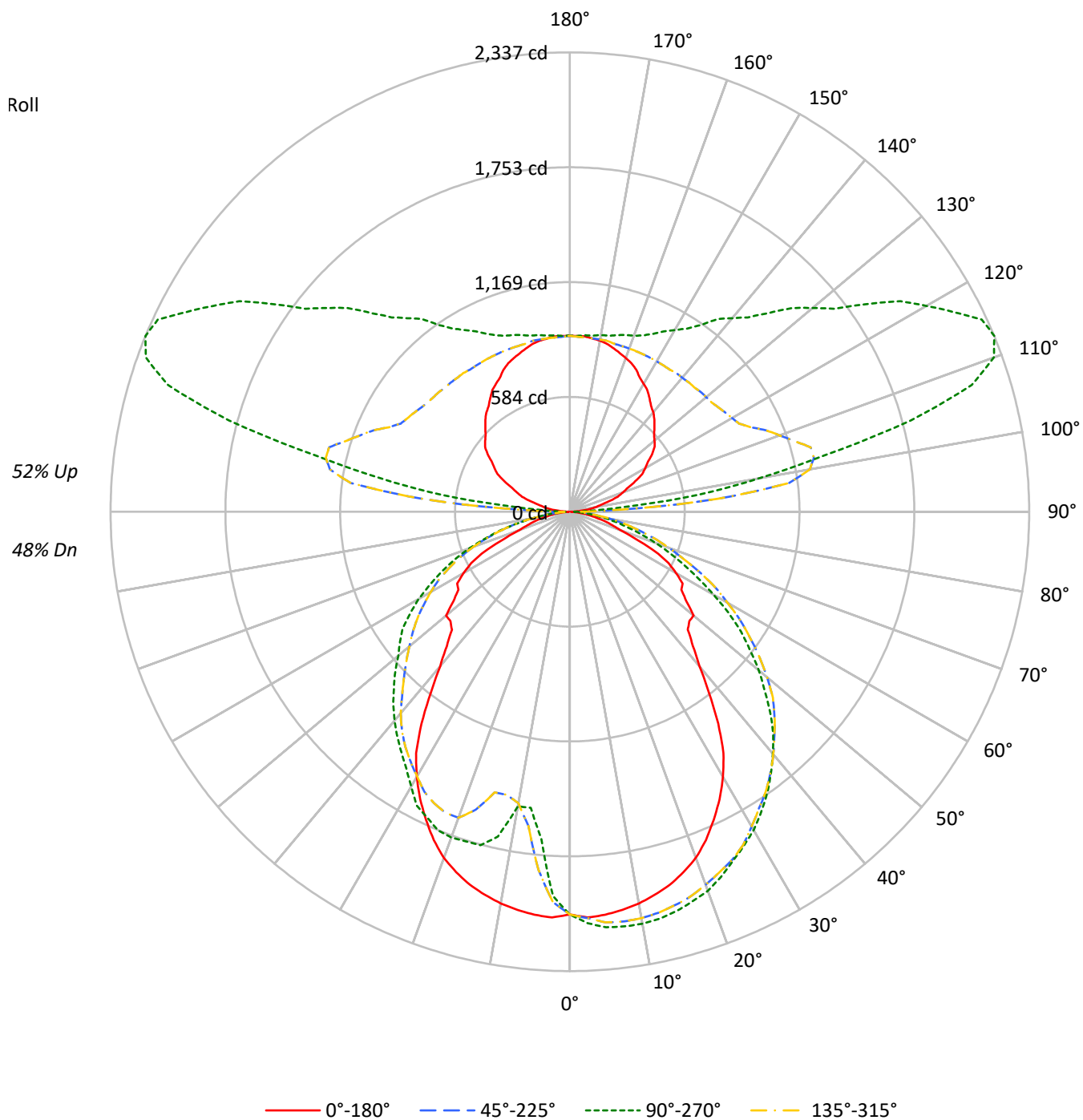
Lumens per Lamp: N/A
Luminaire Lumens: 11117.4 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 84.8
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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9575	9593	9575	7543
10°	9511	9450	9511	6756
15°	9407	9245	9407	7720
20°	9210	9003	9210	7736
25°	8808	8649	8808	7572
30°	8288	8355	8288	7212
35°	7388	7984	7388	6817
40°	6156	7546	6156	6518
45°	5501	7035	5501	6174
50°	5844	6424	5844	5829
55°	5499	5767	5499	5630
60°	5668	4897	5668	5156
65°	5138	4049	5138	4526
70°	3558	3227	3558	3794
75°	3121	2385	3121	2856
80°	2515	1577	2515	1717
85°	1444	835	1444	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8431 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	1.7
10°-20°	525.0	4.7
20°-30°	811.5	7.3
30°-40°	968.8	8.7
40°-50°	974.5	8.8
50°-60°	847.9	7.6
60°-70°	601.2	5.4
70°-80°	318.1	2.9
80°-90°	82.6	0.7
90°-100°	436.4	3.9
100°-110°	1147.2	10.3
110°-120°	1189.5	10.7
120°-130°	954.1	8.6
130°-140°	748.6	6.7
140°-150°	574.6	5.2
150°-160°	413.8	3.7
160°-170°	253.2	2.3
170°-180°	85.5	0.8
0°-30°	1521.4	13.7
0°-40°	2490.2	22.4
0°-60°	4312.6	38.8
0°-90°	5314.5	47.8
90°-120°	2773.0	24.9
90°-150°	5050.3	45.4
90°-180°	5803.0	52.2
0°-180°	11117.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2048	2048	2048	2048	2048	
5°	2058	2122	2058	1668	2058	195
15°	1965	2103	1965	1756	1965	553
25°	1730	1961	1730	1717	1730	795
35°	1316	1750	1316	1494	1316	814
45°	849	1442	849	1265	849	680
55°	692	1064	692	1039	692	636
65°	481	642	481	717	481	459
75°	182	304	182	364	182	192
85°	31	78	31	66	31	42
90°	6	23	6	23	6	6
95°	58	264	58	264	58	64
105°	207	1796	207	1796	207	219
115°	367	2313	367	2313	367	363
125°	511	1842	511	1842	511	453
135°	608	1429	608	1429	608	471
145°	706	1160	706	1160	706	442
155°	798	998	798	998	798	367
165°	861	930	861	930	861	243
175°	895	901	895	901	895	85
180°	895	895	895	895	895	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2065.8	2065.8	2077.4	2081.3	2081.3	2075.5	2069.7	2075.5	2092.9	2098.8	2096.8
5°	2058.1	2073.6	2094.9	2098.8	2102.6	2100.7	2096.8	2100.7	2120.1	2124.0	2125.9
7.5°	2042.6	2071.6	2098.8	2104.6	2110.4	2104.6	2102.6	2106.5	2125.9	2129.8	2129.8
10°	2023.2	2063.9	2094.9	2098.8	2104.6	2098.8	2098.8	2106.5	2125.9	2129.8	2131.7
12.5°	1996.0	2052.2	2081.3	2085.2	2092.9	2091.0	2089.1	2096.8	2116.2	2120.1	2120.1
15°	1965.0	2030.9	2058.1	2061.9	2075.5	2071.6	2071.6	2079.4	2100.7	2106.5	2104.6
17.5°	1922.4	2003.8	2034.8	2040.6	2050.3	2048.4	2050.3	2058.1	2077.4	2081.3	2083.3
20°	1873.9	1967.0	2003.8	2009.6	2019.3	2019.3	2019.3	2029.0	2048.4	2056.1	2056.1
22.5°	1808.1	1928.2	1967.0	1970.8	1982.5	1982.5	1986.4	1999.9	2017.4	2019.3	2019.3
25°	1730.5	1885.6	1918.5	1930.2	1941.8	1947.6	1953.4	1961.2	1967.0	1965.0	1967.0
27.5°	1649.1	1831.3	1873.9	1881.7	1897.2	1903.0	1910.8	1912.7	1914.6	1920.5	1916.6
30°	1558.1	1755.7	1819.7	1827.4	1852.6	1856.5	1848.8	1852.6	1862.3	1866.2	1870.1
32.5°	1455.3	1643.3	1763.5	1780.9	1804.2	1792.6	1790.6	1796.4	1811.9	1811.9	1815.8
35°	1315.8	1556.1	1711.2	1726.7	1744.1	1730.5	1738.3	1740.2	1749.9	1755.7	1753.8
37.5°	1162.7	1480.5	1656.9	1668.5	1682.1	1664.6	1676.3	1682.1	1689.8	1686.0	1686.0
40°	1027.1	1362.3	1592.9	1600.7	1612.3	1598.8	1610.4	1614.3	1618.1	1614.3	1612.3
42.5°	926.4	1232.5	1525.1	1534.8	1527.0	1536.7	1540.6	1548.4	1542.6	1534.8	1534.8
45°	848.8	1197.6	1451.5	1463.1	1451.5	1467.0	1472.8	1472.8	1455.3	1451.5	1449.5
47.5°	823.6	1127.9	1377.8	1377.8	1372.0	1391.4	1401.1	1387.5	1370.1	1364.3	1364.3
50°	821.7	1050.4	1277.0	1269.3	1296.4	1319.7	1310.0	1296.4	1282.9	1261.5	1261.5
52.5°	746.1	955.4	1147.3	1176.3	1218.9	1232.5	1217.0	1203.4	1180.1	1170.5	1162.7
55°	691.9	856.6	1029.1	1087.2	1131.8	1149.2	1120.2	1106.6	1071.7	1065.9	1062.0
57.5°	680.2	713.2	920.6	994.2	1048.5	1046.5	1029.1	1003.9	974.8	969.0	967.1
60°	624.0	515.5	804.3	891.5	947.7	941.9	926.4	903.1	876.0	872.1	868.2
62.5°	565.9	374.0	672.5	771.3	850.8	848.8	835.3	800.4	781.0	771.3	763.6
65°	480.6	314.0	478.7	641.5	755.8	759.7	730.6	705.4	684.1	672.5	670.5
67.5°	366.3	255.8	323.6	534.9	664.7	660.9	624.0	612.4	585.3	579.5	567.8
70°	271.3	170.5	224.8	434.1	575.6	565.9	536.8	523.3	498.1	484.5	476.7
72.5°	224.8	137.6	164.7	337.2	484.5	472.9	447.7	432.2	410.9	399.2	391.5
75°	182.2	145.4	126.0	250.0	393.4	385.7	362.4	346.9	329.5	314.0	315.9
77.5°	133.7	135.7	100.8	184.1	312.0	300.4	286.8	267.4	259.7	244.2	244.2
80°	100.8	106.6	75.6	126.0	224.8	224.8	213.2	199.6	186.0	178.3	178.3
82.5°	67.8	67.8	56.2	79.5	153.1	147.3	139.5	135.7	127.9	124.0	124.0
85°	31.0	38.8	34.9	48.4	83.3	87.2	87.2	83.3	81.4	77.5	79.5
87.5°	9.7	17.4	21.3	27.1	42.6	44.6	46.5	46.5	46.5	48.4	48.4
90°	6.0	10.9	15.7	16.9	26.5	39.2	45.6	40.6	30.4	22.9	22.9
92.5°	24.0	64.9	105.8	116.0	163.1	225.8	257.2	225.4	161.8	114.1	109.6
95°	57.7	132.5	207.2	225.9	401.1	634.7	751.6	670.6	508.8	387.5	373.7
97.5°	99.7	165.7	231.7	248.2	540.3	929.9	1124.6	1073.5	971.2	894.6	868.4
100°	132.2	192.0	251.8	266.8	591.0	1023.3	1239.4	1243.1	1250.6	1256.2	1225.0
102.5°	159.8	215.6	271.4	285.4	614.2	1052.6	1271.8	1336.9	1467.3	1565.0	1538.3
105°	206.7	254.0	301.2	313.0	631.4	1055.9	1268.2	1414.3	1706.3	1925.4	1911.1
107.5°	254.8	298.8	342.8	353.9	634.6	1008.9	1196.1	1399.8	1807.3	2112.9	2116.4
110°	287.2	326.9	366.7	376.7	629.8	967.3	1136.1	1363.8	1819.3	2161.0	2175.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	319.0	356.9	394.8	404.3	629.9	930.9	1081.4	1314.5	1780.7	2130.3	2153.3
115°	367.1	402.0	437.0	445.7	635.8	889.2	1015.9	1240.4	1689.5	2026.4	2058.3
117.5°	414.5	446.3	478.1	486.1	647.7	863.1	970.8	1173.5	1578.8	1882.8	1918.0
120°	442.2	472.0	501.9	509.4	657.2	854.3	952.8	1138.0	1508.3	1786.1	1820.4
122.5°	469.2	499.4	529.6	537.1	671.0	849.6	939.0	1105.7	1439.3	1689.4	1723.2
125°	510.7	538.2	565.6	572.5	689.6	845.8	923.9	1065.6	1348.8	1561.3	1592.6
127.5°	544.3	572.1	599.8	606.8	708.3	843.7	911.3	1033.0	1276.2	1458.6	1484.9
130°	562.3	592.2	622.1	629.6	721.9	845.1	906.6	1014.8	1231.4	1393.8	1418.1
132.5°	580.9	610.9	640.8	648.3	733.0	845.8	902.3	999.2	1193.1	1338.5	1360.3
135°	608.5	635.8	663.1	669.9	745.0	845.1	895.2	976.4	1138.7	1260.4	1279.2
137.5°	636.8	663.8	690.7	697.5	763.0	850.3	893.9	962.5	1099.8	1202.7	1218.0
140°	660.3	685.1	709.9	716.1	773.9	851.2	889.7	949.0	1067.5	1156.5	1170.8
142.5°	678.3	701.3	724.2	729.9	783.2	854.3	889.7	941.8	1045.9	1124.0	1136.3
145°	705.9	726.0	745.9	751.0	795.3	854.3	883.7	926.4	1011.5	1075.4	1084.7
147.5°	733.5	753.0	772.6	777.4	812.9	860.1	883.7	917.3	984.2	1034.5	1042.3
150°	751.6	769.2	786.8	791.2	822.0	863.2	883.7	912.0	968.6	1011.1	1017.4
152.5°	770.2	783.5	796.9	800.2	828.0	865.1	883.7	907.9	956.2	992.4	997.2
155°	797.8	807.7	817.5	820.1	841.3	869.6	883.7	902.9	941.4	970.3	973.4
157.5°	818.2	827.8	837.4	839.8	854.5	873.9	883.7	898.7	928.6	951.0	953.2
160°	832.1	839.5	847.0	848.8	860.5	876.0	883.7	896.5	922.2	941.4	942.6
162.5°	845.8	851.5	857.1	858.5	867.0	878.1	883.7	894.6	916.2	932.4	933.5
165°	860.9	865.9	871.0	872.3	876.1	881.2	883.7	891.5	907.0	918.6	919.9
167.5°	874.7	877.1	879.6	880.1	883.3	887.6	889.7	894.8	904.9	912.6	913.1
170°	883.7	886.2	888.6	889.2	889.3	889.6	889.7	894.8	904.9	912.6	912.6
172.5°	888.6	889.1	889.6	889.7	889.7	889.7	889.7	893.7	901.8	907.8	907.3
175°	895.2	895.2	895.2	895.2	893.3	890.9	889.7	892.3	897.4	901.2	901.2
177.5°	895.2	895.2	895.2	895.2	893.7	891.9	890.9	892.9	896.9	899.9	899.4
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2100.7	2094.9	2100.7	2096.8	2098.8	2092.9	2075.5	2069.7	2075.5	2081.3	2081.3
5°	2125.9	2122.0	2125.9	2125.9	2124.0	2120.1	2100.7	2096.8	2100.7	2102.6	2098.8
7.5°	2133.6	2127.8	2133.6	2129.8	2129.8	2125.9	2106.5	2102.6	2104.6	2110.4	2104.6
10°	2133.6	2127.8	2133.6	2131.7	2129.8	2125.9	2106.5	2098.8	2098.8	2104.6	2098.8
12.5°	2124.0	2120.1	2124.0	2120.1	2120.1	2116.2	2096.8	2089.1	2091.0	2092.9	2085.2
15°	2108.4	2102.6	2108.4	2104.6	2106.5	2100.7	2079.4	2071.6	2071.6	2075.5	2061.9
17.5°	2085.2	2077.4	2085.2	2083.3	2081.3	2077.4	2058.1	2050.3	2048.4	2050.3	2040.6
20°	2058.1	2052.2	2058.1	2056.1	2056.1	2048.4	2029.0	2019.3	2019.3	2019.3	2009.6
22.5°	2015.4	2009.6	2015.4	2019.3	2019.3	2017.4	1999.9	1986.4	1982.5	1982.5	1970.8
25°	1967.0	1961.2	1967.0	1967.0	1965.0	1967.0	1961.2	1953.4	1947.6	1941.8	1930.2
27.5°	1920.5	1916.6	1920.5	1916.6	1920.5	1914.6	1912.7	1910.8	1903.0	1897.2	1881.7
30°	1873.9	1870.1	1873.9	1870.1	1866.2	1862.3	1852.6	1848.8	1856.5	1852.6	1827.4
32.5°	1815.8	1811.9	1815.8	1815.8	1811.9	1811.9	1796.4	1790.6	1792.6	1804.2	1780.9
35°	1755.7	1749.9	1755.7	1753.8	1755.7	1749.9	1740.2	1738.3	1730.5	1744.1	1726.7
37.5°	1686.0	1680.1	1686.0	1686.0	1686.0	1689.8	1682.1	1676.3	1664.6	1682.1	1668.5
40°	1614.3	1606.5	1614.3	1612.3	1614.3	1618.1	1614.3	1610.4	1598.8	1612.3	1600.7
42.5°	1532.9	1530.9	1532.9	1534.8	1534.8	1542.6	1548.4	1540.6	1536.7	1527.0	1534.8
45°	1445.7	1441.8	1445.7	1449.5	1451.5	1455.3	1472.8	1472.8	1467.0	1451.5	1463.1
47.5°	1352.6	1342.9	1352.6	1364.3	1364.3	1370.1	1387.5	1401.1	1391.4	1372.0	1377.8
50°	1253.8	1255.7	1253.8	1261.5	1261.5	1282.9	1296.4	1310.0	1319.7	1296.4	1269.3
52.5°	1156.9	1155.0	1156.9	1162.7	1170.5	1180.1	1203.4	1217.0	1232.5	1218.9	1176.3
55°	1060.1	1064.0	1060.1	1062.0	1065.9	1071.7	1106.6	1120.2	1149.2	1131.8	1087.2
57.5°	963.2	957.4	963.2	967.1	969.0	974.8	1003.9	1029.1	1046.5	1048.5	994.2
60°	850.8	843.0	850.8	868.2	872.1	876.0	903.1	926.4	941.9	947.7	891.5
62.5°	751.9	738.4	751.9	763.6	771.3	781.0	800.4	835.3	848.8	850.8	771.3
65°	647.3	641.5	647.3	670.5	672.5	684.1	705.4	730.6	759.7	755.8	641.5
67.5°	552.3	552.3	552.3	567.8	579.5	585.3	612.4	624.0	660.9	664.7	534.9
70°	465.1	463.2	465.1	476.7	484.5	498.1	523.3	536.8	565.9	575.6	434.1
72.5°	381.8	379.8	381.8	391.5	399.2	410.9	432.2	447.7	472.9	484.5	337.2
75°	308.1	304.3	308.1	315.9	314.0	329.5	346.9	362.4	385.7	393.4	250.0
77.5°	236.4	236.4	236.4	244.2	244.2	259.7	267.4	286.8	300.4	312.0	184.1
80°	176.4	174.4	176.4	178.3	178.3	186.0	199.6	213.2	224.8	224.8	126.0
82.5°	124.0	120.2	124.0	124.0	124.0	127.9	135.7	139.5	147.3	153.1	79.5
85°	77.5	77.5	77.5	79.5	77.5	81.4	83.3	87.2	87.2	83.3	48.4
87.5°	50.4	48.4	50.4	48.4	48.4	46.5	46.5	46.5	44.6	42.6	27.1
90°	22.9	22.9	22.9	22.9	22.9	30.4	40.6	45.6	39.2	26.5	16.9
92.5°	91.5	73.3	91.5	109.6	114.1	161.8	225.4	257.2	225.8	163.1	116.0
95°	318.8	263.8	318.8	373.7	387.5	508.8	670.6	751.6	634.7	401.1	225.9
97.5°	763.7	659.0	763.7	868.4	894.6	971.2	1073.5	1124.6	929.9	540.3	248.2
100°	1100.4	975.7	1100.4	1225.0	1256.2	1250.6	1243.1	1239.4	1023.3	591.0	266.8
102.5°	1431.5	1324.7	1431.5	1538.3	1565.0	1467.3	1336.9	1271.8	1052.6	614.2	285.4
105°	1853.6	1796.2	1853.6	1911.1	1925.4	1706.3	1414.3	1268.2	1055.9	631.4	313.0
107.5°	2130.2	2144.1	2130.2	2116.4	2112.9	1807.3	1399.8	1196.1	1008.9	634.6	353.9
110°	2235.8	2295.6	2235.8	2175.9	2161.0	1819.3	1363.8	1136.1	967.3	629.8	376.7

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2245.1	2336.9	2245.1	2153.3	2130.3	1780.7	1314.5	1081.4	930.9	629.9	404.3
115°	2185.6	2312.9	2185.6	2058.3	2026.4	1689.5	1240.4	1015.9	889.2	635.8	445.7
117.5°	2059.3	2200.6	2059.3	1918.0	1882.8	1578.8	1173.5	970.8	863.1	647.7	486.1
120°	1957.7	2094.9	1957.7	1820.4	1786.1	1508.3	1138.0	952.8	854.3	657.2	509.4
122.5°	1858.5	1993.9	1858.5	1723.2	1689.4	1439.3	1105.7	939.0	849.6	671.0	537.1
125°	1717.3	1842.0	1717.3	1592.6	1561.3	1348.8	1065.6	923.9	845.8	689.6	572.5
127.5°	1590.1	1695.4	1590.1	1484.9	1458.6	1276.2	1033.0	911.3	843.7	708.3	606.8
130°	1515.2	1612.4	1515.2	1418.1	1393.8	1231.4	1014.8	906.6	845.1	721.9	629.6
132.5°	1447.3	1534.3	1447.3	1360.3	1338.5	1193.1	999.2	902.3	845.8	733.0	648.3
135°	1354.2	1429.2	1354.2	1279.2	1260.4	1138.7	976.4	895.2	845.1	745.0	669.9
137.5°	1279.5	1340.9	1279.5	1218.0	1202.7	1099.8	962.5	893.9	850.3	763.0	697.5
140°	1228.3	1285.7	1228.3	1170.8	1156.5	1067.5	949.0	889.7	851.2	773.9	716.1
142.5°	1185.8	1235.2	1185.8	1136.3	1124.0	1045.9	941.8	889.7	854.3	783.2	729.9
145°	1122.1	1159.5	1122.1	1084.7	1075.4	1011.5	926.4	883.7	854.3	795.3	751.0
147.5°	1073.2	1104.2	1073.2	1042.3	1034.5	984.2	917.3	883.7	860.1	812.9	777.4
150°	1042.5	1067.5	1042.5	1017.4	1011.1	968.6	912.0	883.7	863.2	822.0	791.2
152.5°	1016.1	1035.1	1016.1	997.2	992.4	956.2	907.9	883.7	865.1	828.0	800.2
155°	986.0	998.5	986.0	973.4	970.3	941.4	902.9	883.7	869.6	841.3	820.1
157.5°	962.0	970.8	962.0	953.2	951.0	928.6	898.7	883.7	873.9	854.5	839.8
160°	947.8	952.8	947.8	942.6	941.4	922.2	896.5	883.7	876.0	860.5	848.8
162.5°	938.4	943.2	938.4	933.5	932.4	916.2	894.6	883.7	878.1	867.0	858.5
165°	924.9	929.9	924.9	919.9	918.6	907.0	891.5	883.7	881.2	876.1	872.3
167.5°	915.2	917.4	915.2	913.1	912.6	904.9	894.8	889.7	887.6	883.3	880.1
170°	912.6	912.6	912.6	912.6	912.6	904.9	894.8	889.7	889.6	889.3	889.2
172.5°	905.4	903.6	905.4	907.3	907.8	901.8	893.7	889.7	889.7	889.7	889.7
175°	901.2	901.2	901.2	901.2	901.2	897.4	892.3	889.7	890.9	893.3	895.2
177.5°	897.3	895.2	897.3	899.4	899.9	896.9	892.9	890.9	891.9	893.7	895.2
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2

TEST NUMBER: P934800

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2077.4	2065.8	2065.8	2046.4	2038.7	2032.9	2023.2	1994.1	1986.4	1978.6	1990.2
5°	2094.9	2073.6	2058.1	2023.2	1994.1	1982.5	1945.7	1875.9	1829.4	1794.5	1775.1
7.5°	2098.8	2071.6	2042.6	1988.3	1918.5	1887.5	1775.1	1647.2	1612.3	1581.3	1561.9
10°	2094.9	2063.9	2023.2	1941.8	1777.0	1722.8	1610.4	1527.0	1505.7	1499.9	1505.7
12.5°	2081.3	2052.2	1996.0	1860.4	1629.8	1592.9	1527.0	1478.6	1474.7	1484.4	1536.7
15°	2058.1	2030.9	1965.0	1751.9	1548.4	1521.2	1474.7	1457.3	1478.6	1546.4	1703.4
17.5°	2034.8	2003.8	1922.4	1645.3	1486.3	1467.0	1434.0	1468.9	1589.1	1680.1	1732.5
20°	2003.8	1967.0	1873.9	1567.7	1441.8	1424.3	1408.8	1565.8	1656.9	1689.8	1718.9
22.5°	1967.0	1928.2	1808.1	1513.5	1395.3	1381.7	1391.4	1620.1	1656.9	1680.1	1705.3
25°	1918.5	1885.6	1730.5	1470.8	1358.4	1342.9	1379.8	1614.3	1635.6	1641.4	1691.8
27.5°	1873.9	1831.3	1649.1	1432.1	1313.9	1308.1	1389.4	1589.1	1604.6	1610.4	1664.6
30°	1819.7	1755.7	1558.1	1391.4	1267.4	1265.4	1391.4	1558.1	1554.2	1569.7	1623.9
32.5°	1763.5	1643.3	1455.3	1341.0	1222.8	1220.8	1377.8	1511.5	1507.7	1529.0	1569.7
35°	1711.2	1556.1	1315.8	1282.9	1166.6	1168.5	1344.9	1457.3	1459.2	1478.6	1503.8
37.5°	1656.9	1480.5	1162.7	1218.9	1112.4	1112.4	1300.3	1406.9	1403.0	1408.8	1443.7
40°	1592.9	1362.3	1027.1	1135.7	1062.0	1056.2	1246.0	1352.6	1339.1	1337.1	1385.6
42.5°	1525.1	1232.5	926.4	1025.2	1003.9	996.1	1180.1	1286.7	1261.5	1267.4	1329.4
45°	1451.5	1197.6	848.8	866.3	943.8	938.0	1108.5	1211.2	1193.7	1209.2	1273.2
47.5°	1377.8	1127.9	823.6	719.0	879.9	877.9	1029.1	1137.6	1127.9	1143.4	1211.2
50°	1277.0	1050.4	821.7	616.3	808.1	815.9	934.1	1065.9	1065.9	1079.5	1151.2
52.5°	1147.3	955.4	746.1	558.1	724.8	748.1	850.8	1003.9	1007.8	1021.3	1085.3
55°	1029.1	856.6	691.9	513.6	626.0	676.4	769.4	939.9	947.7	961.2	1019.4
57.5°	920.6	713.2	680.2	461.2	534.9	583.3	697.7	877.9	881.8	893.4	949.6
60°	804.3	515.5	624.0	405.0	455.4	492.3	631.8	804.3	817.8	825.6	874.0
62.5°	672.5	374.0	565.9	366.3	416.7	424.4	577.5	734.5	751.9	757.8	786.8
65°	478.7	314.0	480.6	333.3	376.0	377.9	519.4	662.8	678.3	688.0	709.3
67.5°	323.6	255.8	366.3	302.3	345.0	346.9	463.2	579.5	600.8	608.5	622.1
70°	224.8	170.5	271.3	269.4	310.1	314.0	403.1	503.9	523.3	529.1	536.8
72.5°	164.7	137.6	224.8	242.2	273.3	277.1	341.1	418.6	438.0	443.8	447.7
75°	126.0	145.4	182.2	211.2	232.6	234.5	279.1	341.1	354.7	358.5	360.5
77.5°	100.8	135.7	133.7	170.5	189.9	186.0	219.0	263.6	275.2	275.2	275.2
80°	75.6	106.6	100.8	122.1	139.5	135.7	157.0	188.0	191.9	195.7	193.8
82.5°	56.2	67.8	67.8	77.5	93.0	89.1	104.7	122.1	122.1	122.1	126.0
85°	34.9	38.8	31.0	40.7	52.3	50.4	58.1	65.9	67.8	67.8	64.0
87.5°	21.3	17.4	9.7	15.5	23.3	23.3	27.1	29.1	27.1	27.1	27.1
90°	15.7	10.9	6.0	10.9	15.7	16.9	26.5	39.2	45.6	40.6	30.4
92.5°	105.8	64.9	24.0	64.9	105.8	116.0	163.1	225.8	257.2	225.4	161.8
95°	207.2	132.5	57.7	132.5	207.2	225.9	401.1	634.7	751.6	670.6	508.8
97.5°	231.7	165.7	99.7	165.7	231.7	248.2	540.3	929.9	1124.6	1073.5	971.2
100°	251.8	192.0	132.2	192.0	251.8	266.8	591.0	1023.3	1239.4	1243.1	1250.6
102.5°	271.4	215.6	159.8	215.6	271.4	285.4	614.2	1052.6	1271.8	1336.9	1467.3
105°	301.2	254.0	206.7	254.0	301.2	313.0	631.4	1055.9	1268.2	1414.3	1706.3
107.5°	342.8	298.8	254.8	298.8	342.8	353.9	634.6	1008.9	1196.1	1399.8	1807.3
110°	366.7	326.9	287.2	326.9	366.7	376.7	629.8	967.3	1136.1	1363.8	1819.3

TEST NUMBER: P934800

CATALOG NUMBER: SQ4-FA-075U-075D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	394.8	356.9	319.0	356.9	394.8	404.3	629.9	930.9	1081.4	1314.5	1780.7
115°	437.0	402.0	367.1	402.0	437.0	445.7	635.8	889.2	1015.9	1240.4	1689.5
117.5°	478.1	446.3	414.5	446.3	478.1	486.1	647.7	863.1	970.8	1173.5	1578.8
120°	501.9	472.0	442.2	472.0	501.9	509.4	657.2	854.3	952.8	1138.0	1508.3
122.5°	529.6	499.4	469.2	499.4	529.6	537.1	671.0	849.6	939.0	1105.7	1439.3
125°	565.6	538.2	510.7	538.2	565.6	572.5	689.6	845.8	923.9	1065.6	1348.8
127.5°	599.8	572.1	544.3	572.1	599.8	606.8	708.3	843.7	911.3	1033.0	1276.2
130°	622.1	592.2	562.3	592.2	622.1	629.6	721.9	845.1	906.6	1014.8	1231.4
132.5°	640.8	610.9	580.9	610.9	640.8	648.3	733.0	845.8	902.3	999.2	1193.1
135°	663.1	635.8	608.5	635.8	663.1	669.9	745.0	845.1	895.2	976.4	1138.7
137.5°	690.7	663.8	636.8	663.8	690.7	697.5	763.0	850.3	893.9	962.5	1099.8
140°	709.9	685.1	660.3	685.1	709.9	716.1	773.9	851.2	889.7	949.0	1067.5
142.5°	724.2	701.3	678.3	701.3	724.2	729.9	783.2	854.3	889.7	941.8	1045.9
145°	745.9	726.0	705.9	726.0	745.9	751.0	795.3	854.3	883.7	926.4	1011.5
147.5°	772.6	753.0	733.5	753.0	772.6	777.4	812.9	860.1	883.7	917.3	984.2
150°	786.8	769.2	751.6	769.2	786.8	791.2	822.0	863.2	883.7	912.0	968.6
152.5°	796.9	783.5	770.2	783.5	796.9	800.2	828.0	865.1	883.7	907.9	956.2
155°	817.5	807.7	797.8	807.7	817.5	820.1	841.3	869.6	883.7	902.9	941.4
157.5°	837.4	827.8	818.2	827.8	837.4	839.8	854.5	873.9	883.7	898.7	928.6
160°	847.0	839.5	832.1	839.5	847.0	848.8	860.5	876.0	883.7	896.5	922.2
162.5°	857.1	851.5	845.8	851.5	857.1	858.5	867.0	878.1	883.7	894.6	916.2
165°	871.0	865.9	860.9	865.9	871.0	872.3	876.1	881.2	883.7	891.5	907.0
167.5°	879.6	877.1	874.7	877.1	879.6	880.1	883.3	887.6	889.7	894.8	904.9
170°	888.6	886.2	883.7	886.2	888.6	889.2	889.3	889.6	889.7	894.8	904.9
172.5°	889.6	889.1	888.6	889.1	889.6	889.7	889.7	889.7	889.7	893.7	901.8
175°	895.2	895.2	895.2	895.2	895.2	895.2	893.3	890.9	889.7	892.3	897.4
177.5°	895.2	895.2	895.2	895.2	895.2	895.2	893.7	891.9	890.9	892.9	896.9
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2

TEST NUMBER: P934800

CATALOG NUMBER: SQ4-FA-075U-075D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	1976.7	1970.8	1978.6	1957.3	1978.6	1970.8	1976.7	1990.2	1978.6	1986.4	1994.1
5°	1734.4	1724.7	1693.7	1668.5	1693.7	1724.7	1734.4	1775.1	1794.5	1829.4	1875.9
7.5°	1550.3	1542.6	1534.8	1519.3	1534.8	1542.6	1550.3	1561.9	1581.3	1612.3	1647.2
10°	1509.6	1511.5	1523.2	1521.2	1523.2	1511.5	1509.6	1505.7	1499.9	1505.7	1527.0
12.5°	1614.3	1631.7	1695.7	1691.8	1695.7	1631.7	1614.3	1536.7	1484.4	1474.7	1478.6
15°	1734.4	1740.2	1753.8	1755.7	1753.8	1740.2	1734.4	1703.4	1546.4	1478.6	1457.3
17.5°	1746.0	1748.0	1757.7	1757.7	1757.7	1748.0	1746.0	1732.5	1680.1	1589.1	1468.9
20°	1736.4	1740.2	1759.6	1763.5	1759.6	1740.2	1736.4	1718.9	1689.8	1656.9	1565.8
22.5°	1732.5	1740.2	1755.7	1753.8	1755.7	1740.2	1732.5	1705.3	1680.1	1656.9	1620.1
25°	1713.1	1713.1	1715.0	1717.0	1715.0	1713.1	1713.1	1691.8	1641.4	1635.6	1614.3
27.5°	1672.4	1676.3	1687.9	1686.0	1687.9	1676.3	1672.4	1664.6	1610.4	1604.6	1589.1
30°	1635.6	1631.7	1622.0	1614.3	1622.0	1631.7	1635.6	1623.9	1569.7	1554.2	1558.1
32.5°	1573.6	1563.9	1554.2	1548.4	1554.2	1563.9	1573.6	1569.7	1529.0	1507.7	1511.5
35°	1499.9	1501.9	1499.9	1494.1	1499.9	1501.9	1499.9	1503.8	1478.6	1459.2	1457.3
37.5°	1447.6	1451.5	1449.5	1441.8	1449.5	1451.5	1447.6	1443.7	1408.8	1403.0	1406.9
40°	1393.3	1395.3	1393.3	1387.5	1393.3	1395.3	1393.3	1385.6	1337.1	1339.1	1352.6
42.5°	1341.0	1339.1	1333.2	1329.4	1333.2	1339.1	1341.0	1329.4	1267.4	1261.5	1286.7
45°	1280.9	1282.9	1271.2	1265.4	1271.2	1282.9	1280.9	1273.2	1209.2	1193.7	1211.2
47.5°	1220.8	1220.8	1211.2	1205.3	1211.2	1220.8	1220.8	1211.2	1143.4	1127.9	1137.6
50°	1156.9	1155.0	1141.5	1139.5	1141.5	1155.0	1156.9	1151.2	1079.5	1065.9	1065.9
52.5°	1083.3	1083.3	1085.3	1089.2	1085.3	1083.3	1083.3	1085.3	1021.3	1007.8	1003.9
55°	1019.4	1021.3	1034.9	1038.8	1034.9	1021.3	1019.4	1019.4	961.2	947.7	939.9
57.5°	953.5	953.5	963.2	963.2	963.2	953.5	953.5	949.6	893.4	881.8	877.9
60°	877.9	881.8	889.5	887.6	889.5	881.8	877.9	874.0	825.6	817.8	804.3
62.5°	798.5	802.3	804.3	800.4	804.3	802.3	798.5	786.8	757.8	751.9	734.5
65°	715.1	719.0	720.9	717.1	720.9	719.0	715.1	709.3	688.0	678.3	662.8
67.5°	629.8	627.9	626.0	633.7	626.0	627.9	629.8	622.1	608.5	600.8	579.5
70°	542.6	542.6	540.7	544.6	540.7	542.6	542.6	536.8	529.1	523.3	503.9
72.5°	449.6	447.7	455.4	449.6	455.4	447.7	449.6	447.7	443.8	438.0	418.6
75°	358.5	362.4	358.5	364.3	358.5	362.4	358.5	360.5	358.5	354.7	341.1
77.5°	273.3	277.1	273.3	273.3	273.3	277.1	273.3	275.2	275.2	275.2	263.6
80°	193.8	191.9	191.9	189.9	191.9	191.9	193.8	193.8	195.7	191.9	188.0
82.5°	124.0	122.1	122.1	126.0	122.1	122.1	124.0	126.0	122.1	122.1	122.1
85°	67.8	69.8	65.9	65.9	65.9	69.8	67.8	64.0	67.8	67.8	65.9
87.5°	25.2	23.3	23.3	23.3	23.3	23.3	25.2	27.1	27.1	27.1	29.1
90°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	30.4	40.6	45.6	39.2
92.5°	114.1	109.6	91.5	73.3	91.5	109.6	114.1	161.8	225.4	257.2	225.8
95°	387.5	373.7	318.8	263.8	318.8	373.7	387.5	508.8	670.6	751.6	634.7
97.5°	894.6	868.4	763.7	659.0	763.7	868.4	894.6	971.2	1073.5	1124.6	929.9
100°	1256.2	1225.0	1100.4	975.7	1100.4	1225.0	1256.2	1250.6	1243.1	1239.4	1023.3
102.5°	1565.0	1538.3	1431.5	1324.7	1431.5	1538.3	1565.0	1467.3	1336.9	1271.8	1052.6
105°	1925.4	1911.1	1853.6	1796.2	1853.6	1911.1	1925.4	1706.3	1414.3	1268.2	1055.9
107.5°	2112.9	2116.4	2130.2	2144.1	2130.2	2116.4	2112.9	1807.3	1399.8	1196.1	1008.9
110°	2161.0	2175.9	2235.8	2295.6	2235.8	2175.9	2161.0	1819.3	1363.8	1136.1	967.3

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2130.3	2153.3	2245.1	2336.9	2245.1	2153.3	2130.3	1780.7	1314.5	1081.4	930.9
115°	2026.4	2058.3	2185.6	2312.9	2185.6	2058.3	2026.4	1689.5	1240.4	1015.9	889.2
117.5°	1882.8	1918.0	2059.3	2200.6	2059.3	1918.0	1882.8	1578.8	1173.5	970.8	863.1
120°	1786.1	1820.4	1957.7	2094.9	1957.7	1820.4	1786.1	1508.3	1138.0	952.8	854.3
122.5°	1689.4	1723.2	1858.5	1993.9	1858.5	1723.2	1689.4	1439.3	1105.7	939.0	849.6
125°	1561.3	1592.6	1717.3	1842.0	1717.3	1592.6	1561.3	1348.8	1065.6	923.9	845.8
127.5°	1458.6	1484.9	1590.1	1695.4	1590.1	1484.9	1458.6	1276.2	1033.0	911.3	843.7
130°	1393.8	1418.1	1515.2	1612.4	1515.2	1418.1	1393.8	1231.4	1014.8	906.6	845.1
132.5°	1338.5	1360.3	1447.3	1534.3	1447.3	1360.3	1338.5	1193.1	999.2	902.3	845.8
135°	1260.4	1279.2	1354.2	1429.2	1354.2	1279.2	1260.4	1138.7	976.4	895.2	845.1
137.5°	1202.7	1218.0	1279.5	1340.9	1279.5	1218.0	1202.7	1099.8	962.5	893.9	850.3
140°	1156.5	1170.8	1228.3	1285.7	1228.3	1170.8	1156.5	1067.5	949.0	889.7	851.2
142.5°	1124.0	1136.3	1185.8	1235.2	1185.8	1136.3	1124.0	1045.9	941.8	889.7	854.3
145°	1075.4	1084.7	1122.1	1159.5	1122.1	1084.7	1075.4	1011.5	926.4	883.7	854.3
147.5°	1034.5	1042.3	1073.2	1104.2	1073.2	1042.3	1034.5	984.2	917.3	883.7	860.1
150°	1011.1	1017.4	1042.5	1067.5	1042.5	1017.4	1011.1	968.6	912.0	883.7	863.2
152.5°	992.4	997.2	1016.1	1035.1	1016.1	997.2	992.4	956.2	907.9	883.7	865.1
155°	970.3	973.4	986.0	998.5	986.0	973.4	970.3	941.4	902.9	883.7	869.6
157.5°	951.0	953.2	962.0	970.8	962.0	953.2	951.0	928.6	898.7	883.7	873.9
160°	941.4	942.6	947.8	952.8	947.8	942.6	941.4	922.2	896.5	883.7	876.0
162.5°	932.4	933.5	938.4	943.2	938.4	933.5	932.4	916.2	894.6	883.7	878.1
165°	918.6	919.9	924.9	929.9	924.9	919.9	918.6	907.0	891.5	883.7	881.2
167.5°	912.6	913.1	915.2	917.4	915.2	913.1	912.6	904.9	894.8	889.7	887.6
170°	912.6	912.6	912.6	912.6	912.6	912.6	912.6	904.9	894.8	889.7	889.6
172.5°	907.8	907.3	905.4	903.6	905.4	907.3	907.8	901.8	893.7	889.7	889.7
175°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	897.4	892.3	889.7	890.9
177.5°	899.9	899.4	897.3	895.2	897.3	899.4	899.9	896.9	892.9	890.9	891.9
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2023.2	2032.9	2038.7	2046.4	2065.8
5°	1945.7	1982.5	1994.1	2023.2	2058.1
7.5°	1775.1	1887.5	1918.5	1988.3	2042.6
10°	1610.4	1722.8	1777.0	1941.8	2023.2
12.5°	1527.0	1592.9	1629.8	1860.4	1996.0
15°	1474.7	1521.2	1548.4	1751.9	1965.0
17.5°	1434.0	1467.0	1486.3	1645.3	1922.4
20°	1408.8	1424.3	1441.8	1567.7	1873.9
22.5°	1391.4	1381.7	1395.3	1513.5	1808.1
25°	1379.8	1342.9	1358.4	1470.8	1730.5
27.5°	1389.4	1308.1	1313.9	1432.1	1649.1
30°	1391.4	1265.4	1267.4	1391.4	1558.1
32.5°	1377.8	1220.8	1222.8	1341.0	1455.3
35°	1344.9	1168.5	1166.6	1282.9	1315.8
37.5°	1300.3	1112.4	1112.4	1218.9	1162.7
40°	1246.0	1056.2	1062.0	1135.7	1027.1
42.5°	1180.1	996.1	1003.9	1025.2	926.4
45°	1108.5	938.0	943.8	866.3	848.8
47.5°	1029.1	877.9	879.9	719.0	823.6
50°	934.1	815.9	808.1	616.3	821.7
52.5°	850.8	748.1	724.8	558.1	746.1
55°	769.4	676.4	626.0	513.6	691.9
57.5°	697.7	583.3	534.9	461.2	680.2
60°	631.8	492.3	455.4	405.0	624.0
62.5°	577.5	424.4	416.7	366.3	565.9
65°	519.4	377.9	376.0	333.3	480.6
67.5°	463.2	346.9	345.0	302.3	366.3
70°	403.1	314.0	310.1	269.4	271.3
72.5°	341.1	277.1	273.3	242.2	224.8
75°	279.1	234.5	232.6	211.2	182.2
77.5°	219.0	186.0	189.9	170.5	133.7
80°	157.0	135.7	139.5	122.1	100.8
82.5°	104.7	89.1	93.0	77.5	67.8
85°	58.1	50.4	52.3	40.7	31.0
87.5°	27.1	23.3	23.3	15.5	9.7
90°	26.5	16.9	15.7	10.9	6.0
92.5°	163.1	116.0	105.8	64.9	24.0
95°	401.1	225.9	207.2	132.5	57.7
97.5°	540.3	248.2	231.7	165.7	99.7
100°	591.0	266.8	251.8	192.0	132.2
102.5°	614.2	285.4	271.4	215.6	159.8
105°	631.4	313.0	301.2	254.0	206.7
107.5°	634.6	353.9	342.8	298.8	254.8
110°	629.8	376.7	366.7	326.9	287.2

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	629.9	404.3	394.8	356.9	319.0
115°	635.8	445.7	437.0	402.0	367.1
117.5°	647.7	486.1	478.1	446.3	414.5
120°	657.2	509.4	501.9	472.0	442.2
122.5°	671.0	537.1	529.6	499.4	469.2
125°	689.6	572.5	565.6	538.2	510.7
127.5°	708.3	606.8	599.8	572.1	544.3
130°	721.9	629.6	622.1	592.2	562.3
132.5°	733.0	648.3	640.8	610.9	580.9
135°	745.0	669.9	663.1	635.8	608.5
137.5°	763.0	697.5	690.7	663.8	636.8
140°	773.9	716.1	709.9	685.1	660.3
142.5°	783.2	729.9	724.2	701.3	678.3
145°	795.3	751.0	745.9	726.0	705.9
147.5°	812.9	777.4	772.6	753.0	733.5
150°	822.0	791.2	786.8	769.2	751.6
152.5°	828.0	800.2	796.9	783.5	770.2
155°	841.3	820.1	817.5	807.7	797.8
157.5°	854.5	839.8	837.4	827.8	818.2
160°	860.5	848.8	847.0	839.5	832.1
162.5°	867.0	858.5	857.1	851.5	845.8
165°	876.1	872.3	871.0	865.9	860.9
167.5°	883.3	880.1	879.6	877.1	874.7
170°	889.3	889.2	888.6	886.2	883.7
172.5°	889.7	889.7	889.6	889.1	888.6
175°	893.3	895.2	895.2	895.2	895.2
177.5°	893.7	895.2	895.2	895.2	895.2
180°	895.2	895.2	895.2	895.2	895.2

(END OF REPORT)