

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: P936198

Luminaire Tested: SQ4-FA-150U-125D-B35-1D-UNV-W2A-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936198
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-B35-1D-UNV-W2A-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

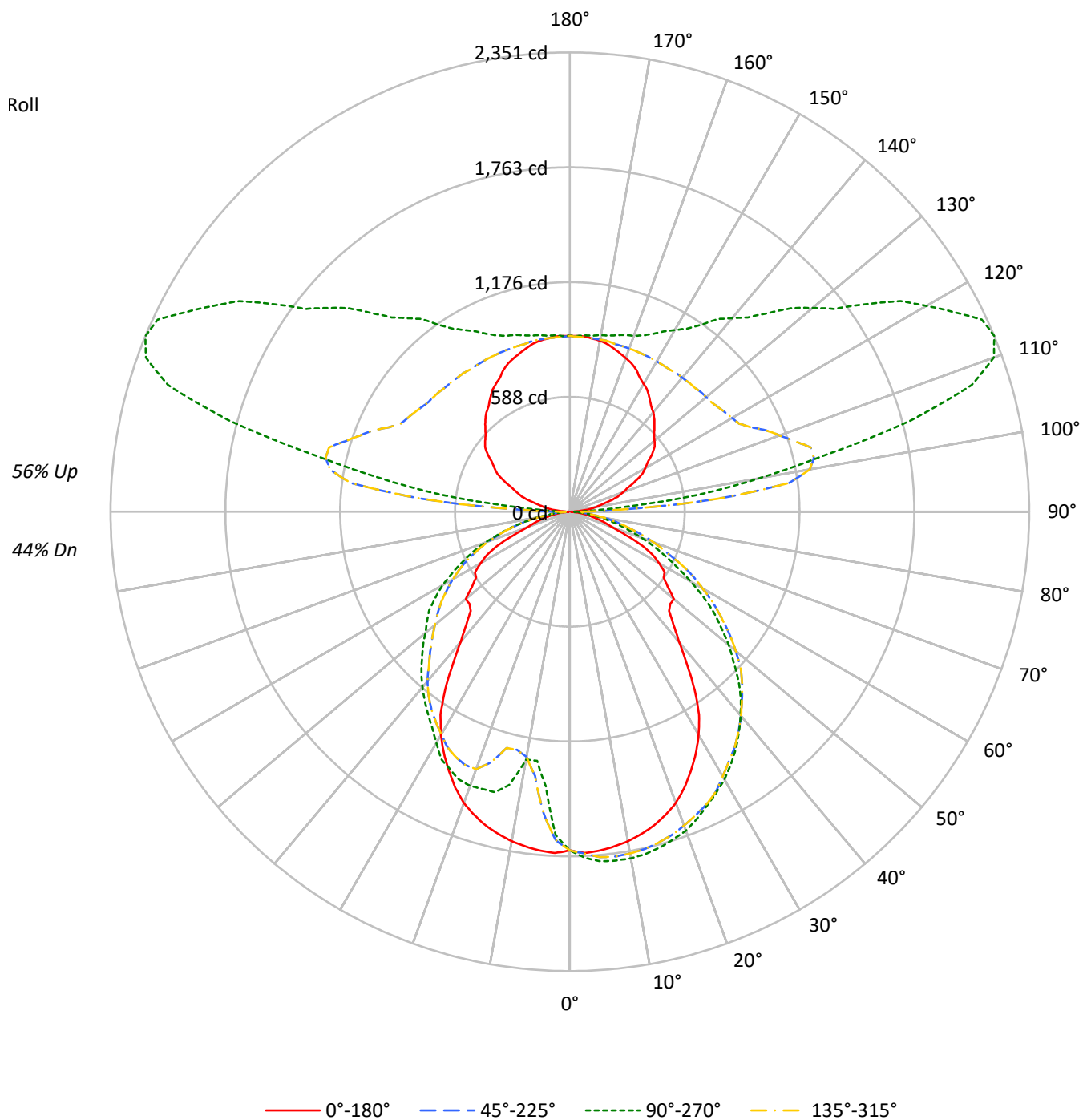
Lumens per Lamp: N/A
Luminaire Lumens: 10335.4 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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°	16084	16084	16084	16084
5°	16186	16237	16186	12766
10°	16060	15994	16060	11434
15°	15868	15647	15868	13065
20°	15518	15236	15518	13093
25°	14820	14637	14820	12815
30°	13925	14141	13925	12206
35°	12397	13512	12397	11537
40°	10311	12771	10311	11030
45°	9195	11906	9195	10449
50°	9747	10872	9747	9866
55°	9146	9759	9146	9528
60°	9392	8289	9392	8727
65°	8475	6851	8475	7659
70°	5829	5461	5829	6420
75°	5057	4037	5057	4833
80°	3992	2669	3992	2905
85°	2178	1413	2178	1200

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	1.5
10°-20°	444.2	4.3
20°-30°	686.7	6.6
30°-40°	819.8	7.9
40°-50°	824.6	8.0
50°-60°	717.5	6.9
60°-70°	508.7	4.9
70°-80°	269.2	2.6
80°-90°	70.5	0.7
90°-100°	439.0	4.2
100°-110°	1154.1	11.2
110°-120°	1196.6	11.6
120°-130°	959.8	9.3
130°-140°	753.1	7.3
140°-150°	578.1	5.6
150°-160°	416.3	4.0
160°-170°	254.7	2.5
170°-180°	86.1	0.8
0°-30°	1287.4	12.5
0°-40°	2107.2	20.4
0°-60°	3649.3	35.3
0°-90°	4497.7	43.5
90°-120°	2789.6	27.0
90°-150°	5080.6	49.2
90°-180°	5838.0	56.5
0°-180°	10335.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1733	1733	1733	1733	1733	
5°	1742	1796	1742	1412	1742	165
15°	1663	1779	1663	1486	1663	468
25°	1464	1660	1464	1453	1464	672
35°	1114	1481	1114	1264	1114	689
45°	718	1220	718	1071	718	575
55°	586	900	586	879	586	538
65°	407	543	407	607	407	389
75°	154	258	154	308	154	162
85°	26	66	26	56	26	35
90°	6	23	6	23	6	6
95°	58	265	58	265	58	64
105°	208	1807	208	1807	208	220
115°	369	2327	369	2327	369	365
125°	514	1853	514	1853	514	456
135°	612	1438	612	1438	612	474
145°	710	1166	710	1166	710	445
155°	803	1004	803	1004	803	369
165°	866	936	866	936	866	244
175°	900	907	900	907	900	85
180°	900	900	900	900	900	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1748.1	1748.1	1758.0	1761.3	1761.3	1756.3	1751.4	1756.3	1771.0	1776.0	1774.3
5°	1741.5	1754.7	1772.7	1776.0	1779.3	1777.6	1774.3	1777.6	1794.0	1797.3	1798.9
7.5°	1728.4	1753.0	1776.0	1780.9	1785.8	1780.9	1779.3	1782.6	1798.9	1802.2	1802.2
10°	1712.0	1746.4	1772.7	1776.0	1780.9	1776.0	1776.0	1782.6	1798.9	1802.2	1803.9
12.5°	1689.1	1736.6	1761.3	1764.5	1771.0	1769.4	1767.7	1774.3	1790.7	1794.0	1794.0
15°	1662.8	1718.6	1741.5	1744.8	1756.3	1753.0	1753.0	1759.6	1777.6	1782.6	1780.9
17.5°	1626.8	1695.7	1721.8	1726.8	1735.0	1733.3	1735.0	1741.5	1758.0	1761.3	1762.8
20°	1585.8	1664.5	1695.7	1700.5	1708.7	1708.7	1708.7	1717.0	1733.3	1739.9	1739.9
22.5°	1530.0	1631.7	1664.5	1667.7	1677.5	1677.5	1680.8	1692.4	1707.1	1708.7	1708.7
25°	1464.4	1595.6	1623.5	1633.3	1643.1	1648.1	1653.0	1659.5	1664.5	1662.8	1664.5
27.5°	1395.6	1549.6	1585.8	1592.3	1605.4	1610.4	1616.9	1618.5	1620.2	1625.1	1621.8
30°	1318.4	1485.7	1539.8	1546.4	1567.7	1570.9	1564.5	1567.7	1575.9	1579.2	1582.5
32.5°	1231.5	1390.6	1492.3	1507.0	1526.8	1516.9	1515.2	1520.2	1533.2	1533.2	1536.5
35°	1113.5	1316.8	1448.0	1461.2	1475.9	1464.4	1470.9	1472.6	1480.8	1485.7	1484.1
37.5°	983.9	1252.8	1402.0	1411.9	1423.4	1408.6	1418.5	1423.4	1430.0	1426.7	1426.7
40°	869.1	1152.8	1348.0	1354.6	1364.4	1352.9	1362.7	1366.0	1369.3	1366.0	1364.4
42.5°	783.8	1042.9	1290.6	1298.8	1292.2	1300.4	1303.7	1310.3	1305.3	1298.8	1298.8
45°	718.2	1013.5	1228.2	1238.1	1228.2	1241.4	1246.3	1246.3	1231.5	1228.2	1226.7
47.5°	696.9	954.4	1165.9	1165.9	1161.1	1177.4	1185.6	1174.1	1159.4	1154.5	1154.5
50°	695.3	888.8	1080.6	1074.1	1097.1	1116.8	1108.5	1097.1	1085.6	1067.5	1067.5
52.5°	631.3	808.4	970.8	995.4	1031.5	1042.9	1029.9	1018.3	998.7	990.5	983.9
55°	585.5	724.8	870.7	920.0	957.7	972.4	947.9	936.3	906.9	901.9	898.7
57.5°	575.6	603.5	779.0	841.3	887.1	885.6	870.7	849.4	824.8	820.0	818.3
60°	528.0	436.2	680.5	754.4	801.8	797.0	783.8	764.2	741.2	737.9	734.7
62.5°	478.9	316.5	569.0	652.6	719.9	718.2	706.8	677.2	660.9	652.6	646.1
65°	406.7	265.7	405.0	542.8	639.5	642.8	618.2	596.9	578.9	569.0	567.3
67.5°	309.9	216.5	273.8	452.6	562.5	559.2	528.0	518.2	495.3	490.3	480.5
70°	229.6	144.3	190.2	367.3	487.0	478.9	454.3	442.7	421.4	410.0	403.4
72.5°	190.2	116.5	139.3	285.4	410.0	400.1	378.8	365.7	347.7	337.8	331.2
75°	154.2	123.0	106.6	211.5	332.9	326.4	306.7	293.5	278.8	265.7	267.3
77.5°	113.2	114.8	85.3	155.8	264.1	254.2	242.7	226.3	219.8	206.6	206.6
80°	85.3	90.2	64.0	106.6	190.2	190.2	180.4	168.9	157.5	150.9	150.9
82.5°	57.4	57.4	47.6	67.2	129.6	124.6	118.0	114.8	108.2	104.9	104.9
85°	26.3	32.8	29.6	41.0	70.5	73.8	73.8	70.5	68.9	65.6	67.2
87.5°	8.2	14.7	18.0	23.0	36.0	37.7	39.3	39.3	39.3	41.0	41.0
90°	6.0	10.9	15.7	17.0	26.6	39.5	45.9	40.8	30.6	23.0	23.0
92.5°	24.1	65.2	106.4	116.7	164.0	227.0	258.6	226.6	162.8	114.8	110.3
95°	58.0	133.2	208.4	227.2	403.5	638.6	756.1	674.7	511.9	389.8	376.0
97.5°	100.3	166.7	233.0	249.6	543.5	935.5	1131.4	1080.0	977.0	899.9	873.6
100°	132.9	193.1	253.3	268.3	594.5	1029.4	1246.8	1250.6	1258.1	1263.8	1232.4
102.5°	160.8	217.0	273.1	287.1	617.9	1058.9	1279.5	1345.0	1476.1	1574.4	1547.6
105°	207.9	255.5	303.0	314.9	635.2	1062.2	1275.8	1422.7	1716.6	1937.0	1922.6
107.5°	256.3	300.6	345.0	356.0	638.5	1015.0	1203.3	1408.2	1818.1	2125.6	2129.1
110°	288.9	328.9	369.0	379.0	633.6	973.1	1142.8	1372.0	1830.2	2174.0	2189.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	320.9	359.1	397.3	406.8	633.8	936.5	1087.9	1322.4	1791.4	2143.1	2166.2
115°	369.3	404.5	439.6	448.5	639.6	894.6	1022.0	1247.9	1699.7	2038.6	2070.7
117.5°	417.1	449.0	481.0	489.0	651.6	868.3	976.7	1180.5	1588.3	1894.1	1929.7
120°	444.8	474.9	504.9	512.5	661.1	859.4	958.5	1144.8	1517.4	1796.8	1831.3
122.5°	472.0	502.3	532.8	540.3	675.1	854.9	944.7	1112.4	1447.9	1699.5	1733.5
125°	513.8	541.4	569.1	576.0	693.8	851.0	929.6	1072.0	1357.0	1570.7	1602.1
127.5°	547.6	575.5	603.4	610.4	712.5	848.7	916.9	1039.3	1283.9	1467.5	1493.9
130°	565.7	595.7	625.8	633.3	726.3	850.1	912.0	1020.9	1238.8	1402.1	1426.6
132.5°	584.4	614.5	644.6	652.1	737.3	851.0	907.8	1005.2	1200.3	1346.5	1368.4
135°	612.2	639.6	667.0	673.8	749.4	850.1	900.5	982.2	1145.5	1267.9	1286.8
137.5°	640.6	667.7	694.9	701.7	767.5	855.4	899.3	968.3	1106.4	1210.0	1225.4
140°	664.2	689.2	714.2	720.5	778.7	856.3	895.1	954.7	1073.9	1163.4	1177.8
142.5°	682.4	705.4	728.5	734.3	787.9	859.3	895.1	947.5	1052.2	1130.8	1143.2
145°	710.2	730.3	750.4	755.4	800.0	859.4	889.1	931.9	1017.5	1081.8	1091.2
147.5°	737.9	757.6	777.1	782.1	817.7	865.3	889.1	922.8	990.1	1040.7	1048.5
150°	756.1	773.8	791.5	795.9	826.9	868.3	889.1	917.5	974.4	1017.2	1023.5
152.5°	774.8	788.3	801.7	805.0	833.0	870.4	889.1	913.4	962.0	998.5	1003.2
155°	802.6	812.6	822.5	825.0	846.3	874.8	889.1	908.4	947.1	976.1	979.3
157.5°	823.2	832.9	842.4	844.9	859.6	879.3	889.1	904.1	934.1	956.7	958.9
160°	837.0	844.6	852.1	854.0	865.7	881.3	889.1	901.9	927.7	947.0	948.3
162.5°	851.0	856.6	862.2	863.7	872.1	883.4	889.1	899.9	921.7	938.0	939.2
165°	866.1	871.1	876.3	877.5	881.4	886.5	889.1	896.8	912.4	924.0	925.3
167.5°	879.9	882.4	884.8	885.4	888.6	892.9	895.1	900.2	910.4	918.0	918.6
170°	889.1	891.5	893.9	894.5	894.7	895.0	895.1	900.2	910.4	918.0	918.0
172.5°	893.9	894.4	895.0	895.1	895.1	895.1	895.1	899.1	907.2	913.2	912.7
175°	900.5	900.5	900.5	900.5	898.7	896.2	895.1	897.6	902.7	906.6	906.6
177.5°	900.5	900.5	900.5	900.5	899.1	897.3	896.3	898.4	902.3	905.3	904.8
180°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1777.6	1772.7	1777.6	1774.3	1776.0	1771.0	1756.3	1751.4	1756.3	1761.3	1761.3
5°	1798.9	1795.7	1798.9	1798.9	1797.3	1794.0	1777.6	1774.3	1777.6	1779.3	1776.0
7.5°	1805.4	1800.6	1805.4	1802.2	1802.2	1798.9	1782.6	1779.3	1780.9	1785.8	1780.9
10°	1805.4	1800.6	1805.4	1803.9	1802.2	1798.9	1782.6	1776.0	1776.0	1780.9	1776.0
12.5°	1797.3	1794.0	1797.3	1794.0	1794.0	1790.7	1774.3	1767.7	1769.4	1771.0	1764.5
15°	1784.1	1779.3	1784.1	1780.9	1782.6	1777.6	1759.6	1753.0	1753.0	1756.3	1744.8
17.5°	1764.5	1758.0	1764.5	1762.8	1761.3	1758.0	1741.5	1735.0	1733.3	1735.0	1726.8
20°	1741.5	1736.6	1741.5	1739.9	1739.9	1733.3	1717.0	1708.7	1708.7	1708.7	1700.5
22.5°	1705.4	1700.5	1705.4	1708.7	1708.7	1707.1	1692.4	1680.8	1677.5	1677.5	1667.7
25°	1664.5	1659.5	1664.5	1664.5	1662.8	1664.5	1659.5	1653.0	1648.1	1643.1	1633.3
27.5°	1625.1	1621.8	1625.1	1621.8	1625.1	1620.2	1618.5	1616.9	1610.4	1605.4	1592.3
30°	1585.8	1582.5	1585.8	1582.5	1579.2	1575.9	1567.7	1564.5	1570.9	1567.7	1546.4
32.5°	1536.5	1533.2	1536.5	1536.5	1533.2	1533.2	1520.2	1515.2	1516.9	1526.8	1507.0
35°	1485.7	1480.8	1485.7	1484.1	1485.7	1480.8	1472.6	1470.9	1464.4	1475.9	1461.2
37.5°	1426.7	1421.7	1426.7	1426.7	1426.7	1430.0	1423.4	1418.5	1408.6	1423.4	1411.9
40°	1366.0	1359.4	1366.0	1364.4	1366.0	1369.3	1366.0	1362.7	1352.9	1364.4	1354.6
42.5°	1297.1	1295.5	1297.1	1298.8	1298.8	1305.3	1310.3	1303.7	1300.4	1292.2	1298.8
45°	1223.4	1220.1	1223.4	1226.7	1228.2	1231.5	1246.3	1246.3	1241.4	1228.2	1238.1
47.5°	1144.6	1136.4	1144.6	1154.5	1154.5	1159.4	1174.1	1185.6	1177.4	1161.1	1165.9
50°	1061.0	1062.6	1061.0	1067.5	1067.5	1085.6	1097.1	1108.5	1116.8	1097.1	1074.1
52.5°	979.0	977.3	979.0	983.9	990.5	998.7	1018.3	1029.9	1042.9	1031.5	995.4
55°	897.0	900.3	897.0	898.7	901.9	906.9	936.3	947.9	972.4	957.7	920.0
57.5°	815.0	810.1	815.0	818.3	820.0	824.8	849.4	870.7	885.6	887.1	841.3
60°	719.9	713.4	719.9	734.7	737.9	741.2	764.2	783.8	797.0	801.8	754.4
62.5°	636.2	624.8	636.2	646.1	652.6	660.9	677.2	706.8	718.2	719.9	652.6
65°	547.7	542.8	547.7	567.3	569.0	578.9	596.9	618.2	642.8	639.5	542.8
67.5°	467.3	467.3	467.3	480.5	490.3	495.3	518.2	528.0	559.2	562.5	452.6
70°	393.6	392.0	393.6	403.4	410.0	421.4	442.7	454.3	478.9	487.0	367.3
72.5°	323.1	321.4	323.1	331.2	337.8	347.7	365.7	378.8	400.1	410.0	285.4
75°	260.8	257.5	260.8	267.3	265.7	278.8	293.5	306.7	326.4	332.9	211.5
77.5°	200.1	200.1	200.1	206.6	206.6	219.8	226.3	242.7	254.2	264.1	155.8
80°	149.2	147.6	149.2	150.9	150.9	157.5	168.9	180.4	190.2	190.2	106.6
82.5°	104.9	101.6	104.9	104.9	104.9	108.2	114.8	118.0	124.6	129.6	67.2
85°	65.6	65.6	65.6	67.2	65.6	68.9	70.5	73.8	73.8	70.5	41.0
87.5°	42.6	41.0	42.6	41.0	41.0	39.3	39.3	39.3	37.7	36.0	23.0
90°	23.0	23.0	23.0	23.0	23.0	30.6	40.8	45.9	39.5	26.6	17.0
92.5°	92.0	73.7	92.0	110.3	114.8	162.8	226.6	258.6	227.0	164.0	116.7
95°	320.6	265.3	320.6	376.0	389.8	511.9	674.7	756.1	638.6	403.5	227.2
97.5°	768.3	663.0	768.3	873.6	899.9	977.0	1080.0	1131.4	935.5	543.5	249.6
100°	1107.0	981.5	1107.0	1232.4	1263.8	1258.1	1250.6	1246.8	1029.4	594.5	268.3
102.5°	1440.1	1332.7	1440.1	1547.6	1574.4	1476.1	1345.0	1279.5	1058.9	617.9	287.1
105°	1864.8	1807.1	1864.8	1922.6	1937.0	1716.6	1422.7	1275.8	1062.2	635.2	314.9
107.5°	2143.0	2157.0	2143.0	2129.1	2125.6	1818.1	1408.2	1203.3	1015.0	638.5	356.0
110°	2249.1	2309.3	2249.1	2189.0	2174.0	1830.2	1372.0	1142.8	973.1	633.6	379.0

TEST NUMBER: P936198

CATALOG NUMBER: SQ4-FA-150U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2258.6	2351.0	2258.6	2166.2	2143.1	1791.4	1322.4	1087.9	936.5	633.8	406.8
115°	2198.8	2326.9	2198.8	2070.7	2038.6	1699.7	1247.9	1022.0	894.6	639.6	448.5
117.5°	2071.7	2213.8	2071.7	1929.7	1894.1	1588.3	1180.5	976.7	868.3	651.6	489.0
120°	1969.4	2107.5	1969.4	1831.3	1796.8	1517.4	1144.8	958.5	859.4	661.1	512.5
122.5°	1869.8	2005.9	1869.8	1733.5	1699.5	1447.9	1112.4	944.7	854.9	675.1	540.3
125°	1727.5	1853.0	1727.5	1602.1	1570.7	1357.0	1072.0	929.6	851.0	693.8	576.0
127.5°	1599.7	1705.5	1599.7	1493.9	1467.5	1283.9	1039.3	916.9	848.7	712.5	610.4
130°	1524.3	1622.1	1524.3	1426.6	1402.1	1238.8	1020.9	912.0	850.1	726.3	633.3
132.5°	1455.9	1543.5	1455.9	1368.4	1346.5	1200.3	1005.2	907.8	851.0	737.3	652.1
135°	1362.3	1437.8	1362.3	1286.8	1267.9	1145.5	982.2	900.5	850.1	749.4	673.8
137.5°	1287.2	1348.9	1287.2	1225.4	1210.0	1106.4	968.3	899.3	855.4	767.5	701.7
140°	1235.6	1293.3	1235.6	1177.8	1163.4	1073.9	954.7	895.1	856.3	778.7	720.5
142.5°	1192.9	1242.5	1192.9	1143.2	1130.8	1052.2	947.5	895.1	859.3	787.9	734.3
145°	1128.9	1166.5	1128.9	1091.2	1081.8	1017.5	931.9	889.1	859.4	800.0	755.4
147.5°	1079.7	1110.9	1079.7	1048.5	1040.7	990.1	922.8	889.1	865.3	817.7	782.1
150°	1048.7	1073.9	1048.7	1023.5	1017.2	974.4	917.5	889.1	868.3	826.9	795.9
152.5°	1022.3	1041.3	1022.3	1003.2	998.5	962.0	913.4	889.1	870.4	833.0	805.0
155°	991.9	1004.5	991.9	979.3	976.1	947.1	908.4	889.1	874.8	846.3	825.0
157.5°	967.7	976.7	967.7	958.9	956.7	934.1	904.1	889.1	879.3	859.6	844.9
160°	953.4	958.5	953.4	948.3	947.0	927.7	901.9	889.1	881.3	865.7	854.0
162.5°	944.0	948.8	944.0	939.2	938.0	921.7	899.9	889.1	883.4	872.1	863.7
165°	930.4	935.6	930.4	925.3	924.0	912.4	896.8	889.1	886.5	881.4	877.5
167.5°	920.7	922.9	920.7	918.6	918.0	910.4	900.2	895.1	892.9	888.6	885.4
170°	918.0	918.0	918.0	918.0	918.0	910.4	900.2	895.1	895.0	894.7	894.5
172.5°	910.9	909.0	910.9	912.7	913.2	907.2	899.1	895.1	895.1	895.1	895.1
175°	906.6	906.6	906.6	906.6	906.6	902.7	897.6	895.1	896.2	898.7	900.5
177.5°	902.6	900.5	902.6	904.8	905.3	902.3	898.4	896.3	897.3	899.1	900.5
180°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5

TEST NUMBER: P936198

CATALOG NUMBER: SQ4-FA-150U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1758.0	1748.1	1748.1	1731.7	1725.1	1720.2	1712.0	1687.4	1680.8	1674.3	1684.1
5°	1772.7	1754.7	1741.5	1712.0	1687.4	1677.5	1646.4	1587.4	1548.1	1518.5	1502.1
7.5°	1776.0	1753.0	1728.4	1682.5	1623.5	1597.2	1502.1	1393.9	1364.4	1338.1	1321.7
10°	1772.7	1746.4	1712.0	1643.1	1503.8	1457.9	1362.7	1292.2	1274.1	1269.3	1274.1
12.5°	1761.3	1736.6	1689.1	1574.2	1379.1	1348.0	1292.2	1251.2	1248.0	1256.1	1300.4
15°	1741.5	1718.6	1662.8	1482.5	1310.3	1287.3	1248.0	1233.1	1251.2	1308.6	1441.5
17.5°	1721.8	1695.7	1626.8	1392.3	1257.8	1241.4	1213.5	1243.0	1344.7	1421.7	1466.0
20°	1695.7	1664.5	1585.8	1326.7	1220.1	1205.3	1192.2	1325.0	1402.0	1430.0	1454.6
22.5°	1664.5	1631.7	1530.0	1280.7	1180.7	1169.2	1177.4	1370.9	1402.0	1421.7	1443.0
25°	1623.5	1595.6	1464.4	1244.7	1149.5	1136.4	1167.5	1366.0	1384.0	1389.0	1431.6
27.5°	1585.8	1549.6	1395.6	1211.8	1111.8	1106.9	1175.8	1344.7	1357.8	1362.7	1408.6
30°	1539.8	1485.7	1318.4	1177.4	1072.5	1070.8	1177.4	1318.4	1315.1	1328.3	1374.2
32.5°	1492.3	1390.6	1231.5	1134.8	1034.8	1033.1	1165.9	1279.1	1275.8	1293.8	1328.3
35°	1448.0	1316.8	1113.5	1085.6	987.2	988.9	1138.1	1233.1	1234.8	1251.2	1272.5
37.5°	1402.0	1252.8	983.9	1031.5	941.3	941.3	1100.3	1190.5	1187.2	1192.2	1221.7
40°	1348.0	1152.8	869.1	961.0	898.7	893.7	1054.5	1144.6	1133.1	1131.5	1172.5
42.5°	1290.6	1042.9	783.8	867.4	849.4	842.9	998.7	1088.9	1067.5	1072.5	1124.9
45°	1228.2	1013.5	718.2	733.0	798.6	793.7	938.0	1024.9	1010.2	1023.3	1077.4
47.5°	1165.9	954.4	696.9	608.4	744.5	742.8	870.7	962.6	954.4	967.5	1024.9
50°	1080.6	888.8	695.3	521.5	683.8	690.4	790.4	901.9	901.9	913.4	974.0
52.5°	970.8	808.4	631.3	472.3	613.3	633.0	719.9	849.4	852.7	864.3	918.3
55°	870.7	724.8	585.5	434.6	529.7	572.3	651.1	795.4	801.8	813.4	862.6
57.5°	779.0	603.5	575.6	390.3	452.6	493.6	590.3	742.8	746.1	756.0	803.5
60°	680.5	436.2	528.0	342.7	385.4	416.5	534.6	680.5	692.1	698.6	739.5
62.5°	569.0	316.5	478.9	309.9	352.5	359.1	488.7	621.5	636.2	641.2	665.8
65°	405.0	265.7	406.7	282.1	318.1	319.8	439.4	560.9	573.9	582.2	600.2
67.5°	273.8	216.5	309.9	255.8	291.9	293.5	392.0	490.3	508.3	514.9	526.4
70°	190.2	144.3	229.6	227.9	262.4	265.7	341.1	426.4	442.7	447.7	454.3
72.5°	139.3	116.5	190.2	204.9	231.2	234.5	288.6	354.2	370.6	375.5	378.8
75°	106.6	123.0	154.2	178.8	196.8	198.5	236.1	288.6	300.1	303.4	305.0
77.5°	85.3	114.8	113.2	144.3	160.7	157.5	185.3	223.1	232.9	232.9	232.9
80°	64.0	90.2	85.3	103.3	118.0	114.8	132.8	159.1	162.3	165.6	164.0
82.5°	47.6	57.4	57.4	65.6	78.7	75.4	88.6	103.3	103.3	103.3	106.6
85°	29.6	32.8	26.3	34.4	44.3	42.6	49.2	55.7	57.4	57.4	54.1
87.5°	18.0	14.7	8.2	13.1	19.7	19.7	23.0	24.6	23.0	23.0	23.0
90°	15.7	10.9	6.0	10.9	15.7	17.0	26.6	39.5	45.9	40.8	30.6
92.5°	106.4	65.2	24.1	65.2	106.4	116.7	164.0	227.0	258.6	226.6	162.8
95°	208.4	133.2	58.0	133.2	208.4	227.2	403.5	638.6	756.1	674.7	511.9
97.5°	233.0	166.7	100.3	166.7	233.0	249.6	543.5	935.5	1131.4	1080.0	977.0
100°	253.3	193.1	132.9	193.1	253.3	268.3	594.5	1029.4	1246.8	1250.6	1258.1
102.5°	273.1	217.0	160.8	217.0	273.1	287.1	617.9	1058.9	1279.5	1345.0	1476.1
105°	303.0	255.5	207.9	255.5	303.0	314.9	635.2	1062.2	1275.8	1422.7	1716.6
107.5°	345.0	300.6	256.3	300.6	345.0	356.0	638.5	1015.0	1203.3	1408.2	1818.1
110°	369.0	328.9	288.9	328.9	369.0	379.0	633.6	973.1	1142.8	1372.0	1830.2



TEST NUMBER: P936198

CATALOG NUMBER: SQ4-FA-150U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	397.3	359.1	320.9	359.1	397.3	406.8	633.8	936.5	1087.9	1322.4	1791.4
115°	439.6	404.5	369.3	404.5	439.6	448.5	639.6	894.6	1022.0	1247.9	1699.7
117.5°	481.0	449.0	417.1	449.0	481.0	489.0	651.6	868.3	976.7	1180.5	1588.3
120°	504.9	474.9	444.8	474.9	504.9	512.5	661.1	859.4	958.5	1144.8	1517.4
122.5°	532.8	502.3	472.0	502.3	532.8	540.3	675.1	854.9	944.7	1112.4	1447.9
125°	569.1	541.4	513.8	541.4	569.1	576.0	693.8	851.0	929.6	1072.0	1357.0
127.5°	603.4	575.5	547.6	575.5	603.4	610.4	712.5	848.7	916.9	1039.3	1283.9
130°	625.8	595.7	565.7	595.7	625.8	633.3	726.3	850.1	912.0	1020.9	1238.8
132.5°	644.6	614.5	584.4	614.5	644.6	652.1	737.3	851.0	907.8	1005.2	1200.3
135°	667.0	639.6	612.2	639.6	667.0	673.8	749.4	850.1	900.5	982.2	1145.5
137.5°	694.9	667.7	640.6	667.7	694.9	701.7	767.5	855.4	899.3	968.3	1106.4
140°	714.2	689.2	664.2	689.2	714.2	720.5	778.7	856.3	895.1	954.7	1073.9
142.5°	728.5	705.4	682.4	705.4	728.5	734.3	787.9	859.3	895.1	947.5	1052.2
145°	750.4	730.3	710.2	730.3	750.4	755.4	800.0	859.4	889.1	931.9	1017.5
147.5°	777.1	757.6	737.9	757.6	777.1	782.1	817.7	865.3	889.1	922.8	990.1
150°	791.5	773.8	756.1	773.8	791.5	795.9	826.9	868.3	889.1	917.5	974.4
152.5°	801.7	788.3	774.8	788.3	801.7	805.0	833.0	870.4	889.1	913.4	962.0
155°	822.5	812.6	802.6	812.6	822.5	825.0	846.3	874.8	889.1	908.4	947.1
157.5°	842.4	832.9	823.2	832.9	842.4	844.9	859.6	879.3	889.1	904.1	934.1
160°	852.1	844.6	837.0	844.6	852.1	854.0	865.7	881.3	889.1	901.9	927.7
162.5°	862.2	856.6	851.0	856.6	862.2	863.7	872.1	883.4	889.1	899.9	921.7
165°	876.3	871.1	866.1	871.1	876.3	877.5	881.4	886.5	889.1	896.8	912.4
167.5°	884.8	882.4	879.9	882.4	884.8	885.4	888.6	892.9	895.1	900.2	910.4
170°	893.9	891.5	889.1	891.5	893.9	894.5	894.7	895.0	895.1	900.2	910.4
172.5°	895.0	894.4	893.9	894.4	895.0	895.1	895.1	895.1	895.1	899.1	907.2
175°	900.5	900.5	900.5	900.5	900.5	900.5	898.7	896.2	895.1	897.6	902.7
177.5°	900.5	900.5	900.5	900.5	900.5	900.5	899.1	897.3	896.3	898.4	902.3
180°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5

TEST NUMBER: P936198

CATALOG NUMBER: SQ4-FA-150U-125D-B35-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1672.7	1667.7	1674.3	1656.2	1674.3	1667.7	1672.7	1684.1	1674.3	1680.8	1687.4
5°	1467.6	1459.5	1433.2	1411.9	1433.2	1459.5	1467.6	1502.1	1518.5	1548.1	1587.4
7.5°	1311.9	1305.3	1298.8	1285.7	1298.8	1305.3	1311.9	1321.7	1338.1	1364.4	1393.9
10°	1277.4	1279.1	1289.0	1287.3	1289.0	1279.1	1277.4	1274.1	1269.3	1274.1	1292.2
12.5°	1366.0	1380.7	1434.9	1431.6	1434.9	1380.7	1366.0	1300.4	1256.1	1248.0	1251.2
15°	1467.6	1472.6	1484.1	1485.7	1484.1	1472.6	1467.6	1441.5	1308.6	1251.2	1233.1
17.5°	1477.5	1479.2	1487.3	1487.3	1487.3	1479.2	1477.5	1466.0	1421.7	1344.7	1243.0
20°	1469.3	1472.6	1489.0	1492.3	1489.0	1472.6	1469.3	1454.6	1430.0	1402.0	1325.0
22.5°	1466.0	1472.6	1485.7	1484.1	1485.7	1472.6	1466.0	1443.0	1421.7	1402.0	1370.9
25°	1449.6	1449.6	1451.3	1452.9	1451.3	1449.6	1449.6	1431.6	1389.0	1384.0	1366.0
27.5°	1415.2	1418.5	1428.3	1426.7	1428.3	1418.5	1415.2	1408.6	1362.7	1357.8	1344.7
30°	1384.0	1380.7	1372.6	1366.0	1372.6	1380.7	1384.0	1374.2	1328.3	1315.1	1318.4
32.5°	1331.6	1323.4	1315.1	1310.3	1315.1	1323.4	1331.6	1328.3	1293.8	1275.8	1279.1
35°	1269.3	1270.8	1269.3	1264.4	1269.3	1270.8	1269.3	1272.5	1251.2	1234.8	1233.1
37.5°	1225.0	1228.2	1226.7	1220.1	1226.7	1228.2	1225.0	1221.7	1192.2	1187.2	1190.5
40°	1179.1	1180.7	1179.1	1174.1	1179.1	1180.7	1179.1	1172.5	1131.5	1133.1	1144.6
42.5°	1134.8	1133.1	1128.2	1124.9	1128.2	1133.1	1134.8	1124.9	1072.5	1067.5	1088.9
45°	1083.9	1085.6	1075.8	1070.8	1075.8	1085.6	1083.9	1077.4	1023.3	1010.2	1024.9
47.5°	1033.1	1033.1	1024.9	1020.0	1024.9	1033.1	1033.1	1024.9	967.5	954.4	962.6
50°	979.0	977.3	965.9	964.3	965.9	977.3	979.0	974.0	913.4	901.9	901.9
52.5°	916.7	916.7	918.3	921.6	918.3	916.7	916.7	918.3	864.3	852.7	849.4
55°	862.6	864.3	875.7	879.0	875.7	864.3	862.6	862.6	813.4	801.8	795.4
57.5°	806.8	806.8	815.0	815.0	815.0	806.8	806.8	803.5	756.0	746.1	742.8
60°	742.8	746.1	752.7	751.1	752.7	746.1	742.8	739.5	698.6	692.1	680.5
62.5°	675.6	678.9	680.5	677.2	680.5	678.9	675.6	665.8	641.2	636.2	621.5
65°	605.1	608.4	610.0	606.8	610.0	608.4	605.1	600.2	582.2	573.9	560.9
67.5°	532.9	531.3	529.7	536.2	529.7	531.3	532.9	526.4	514.9	508.3	490.3
70°	459.1	459.1	457.6	460.8	457.6	459.1	459.1	454.3	447.7	442.7	426.4
72.5°	380.4	378.8	385.4	380.4	385.4	378.8	380.4	378.8	375.5	370.6	354.2
75°	303.4	306.7	303.4	308.3	303.4	306.7	303.4	305.0	303.4	300.1	288.6
77.5°	231.2	234.5	231.2	231.2	231.2	234.5	231.2	232.9	232.9	232.9	223.1
80°	164.0	162.3	162.3	160.7	162.3	162.3	164.0	164.0	165.6	162.3	159.1
82.5°	104.9	103.3	103.3	106.6	103.3	103.3	104.9	106.6	103.3	103.3	103.3
85°	57.4	59.0	55.7	55.7	55.7	59.0	57.4	54.1	57.4	57.4	55.7
87.5°	21.3	19.7	19.7	19.7	19.7	19.7	21.3	23.0	23.0	23.0	24.6
90°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	30.6	40.8	45.9	39.5
92.5°	114.8	110.3	92.0	73.7	92.0	110.3	114.8	162.8	226.6	258.6	227.0
95°	389.8	376.0	320.6	265.3	320.6	376.0	389.8	511.9	674.7	756.1	638.6
97.5°	899.9	873.6	768.3	663.0	768.3	873.6	899.9	977.0	1080.0	1131.4	935.5
100°	1263.8	1232.4	1107.0	981.5	1107.0	1232.4	1263.8	1258.1	1250.6	1246.8	1029.4
102.5°	1574.4	1547.6	1440.1	1332.7	1440.1	1547.6	1574.4	1476.1	1345.0	1279.5	1058.9
105°	1937.0	1922.6	1864.8	1807.1	1864.8	1922.6	1937.0	1716.6	1422.7	1275.8	1062.2
107.5°	2125.6	2129.1	2143.0	2157.0	2143.0	2129.1	2125.6	1818.1	1408.2	1203.3	1015.0
110°	2174.0	2189.0	2249.1	2309.3	2249.1	2189.0	2174.0	1830.2	1372.0	1142.8	973.1

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2143.1	2166.2	2258.6	2351.0	2258.6	2166.2	2143.1	1791.4	1322.4	1087.9	936.5
115°	2038.6	2070.7	2198.8	2326.9	2198.8	2070.7	2038.6	1699.7	1247.9	1022.0	894.6
117.5°	1894.1	1929.7	2071.7	2213.8	2071.7	1929.7	1894.1	1588.3	1180.5	976.7	868.3
120°	1796.8	1831.3	1969.4	2107.5	1969.4	1831.3	1796.8	1517.4	1144.8	958.5	859.4
122.5°	1699.5	1733.5	1869.8	2005.9	1869.8	1733.5	1699.5	1447.9	1112.4	944.7	854.9
125°	1570.7	1602.1	1727.5	1853.0	1727.5	1602.1	1570.7	1357.0	1072.0	929.6	851.0
127.5°	1467.5	1493.9	1599.7	1705.5	1599.7	1493.9	1467.5	1283.9	1039.3	916.9	848.7
130°	1402.1	1426.6	1524.3	1622.1	1524.3	1426.6	1402.1	1238.8	1020.9	912.0	850.1
132.5°	1346.5	1368.4	1455.9	1543.5	1455.9	1368.4	1346.5	1200.3	1005.2	907.8	851.0
135°	1267.9	1286.8	1362.3	1437.8	1362.3	1286.8	1267.9	1145.5	982.2	900.5	850.1
137.5°	1210.0	1225.4	1287.2	1348.9	1287.2	1225.4	1210.0	1106.4	968.3	899.3	855.4
140°	1163.4	1177.8	1235.6	1293.3	1235.6	1177.8	1163.4	1073.9	954.7	895.1	856.3
142.5°	1130.8	1143.2	1192.9	1242.5	1192.9	1143.2	1130.8	1052.2	947.5	895.1	859.3
145°	1081.8	1091.2	1128.9	1166.5	1128.9	1091.2	1081.8	1017.5	931.9	889.1	859.4
147.5°	1040.7	1048.5	1079.7	1110.9	1079.7	1048.5	1040.7	990.1	922.8	889.1	865.3
150°	1017.2	1023.5	1048.7	1073.9	1048.7	1023.5	1017.2	974.4	917.5	889.1	868.3
152.5°	998.5	1003.2	1022.3	1041.3	1022.3	1003.2	998.5	962.0	913.4	889.1	870.4
155°	976.1	979.3	991.9	1004.5	991.9	979.3	976.1	947.1	908.4	889.1	874.8
157.5°	956.7	958.9	967.7	976.7	967.7	958.9	956.7	934.1	904.1	889.1	879.3
160°	947.0	948.3	953.4	958.5	953.4	948.3	947.0	927.7	901.9	889.1	881.3
162.5°	938.0	939.2	944.0	948.8	944.0	939.2	938.0	921.7	899.9	889.1	883.4
165°	924.0	925.3	930.4	935.6	930.4	925.3	924.0	912.4	896.8	889.1	886.5
167.5°	918.0	918.6	920.7	922.9	920.7	918.6	918.0	910.4	900.2	895.1	892.9
170°	918.0	918.0	918.0	918.0	918.0	918.0	918.0	910.4	900.2	895.1	895.0
172.5°	913.2	912.7	910.9	909.0	910.9	912.7	913.2	907.2	899.1	895.1	895.1
175°	906.6	906.6	906.6	906.6	906.6	906.6	906.6	902.7	897.6	895.1	896.2
177.5°	905.3	904.8	902.6	900.5	902.6	904.8	905.3	902.3	898.4	896.3	897.3
180°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5	900.5

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1733.3	1733.3	1733.3	1733.3	1733.3
2.5°	1712.0	1720.2	1725.1	1731.7	1748.1
5°	1646.4	1677.5	1687.4	1712.0	1741.5
7.5°	1502.1	1597.2	1623.5	1682.5	1728.4
10°	1362.7	1457.9	1503.8	1643.1	1712.0
12.5°	1292.2	1348.0	1379.1	1574.2	1689.1
15°	1248.0	1287.3	1310.3	1482.5	1662.8
17.5°	1213.5	1241.4	1257.8	1392.3	1626.8
20°	1192.2	1205.3	1220.1	1326.7	1585.8
22.5°	1177.4	1169.2	1180.7	1280.7	1530.0
25°	1167.5	1136.4	1149.5	1244.7	1464.4
27.5°	1175.8	1106.9	1111.8	1211.8	1395.6
30°	1177.4	1070.8	1072.5	1177.4	1318.4
32.5°	1165.9	1033.1	1034.8	1134.8	1231.5
35°	1138.1	988.9	987.2	1085.6	1113.5
37.5°	1100.3	941.3	941.3	1031.5	983.9
40°	1054.5	893.7	898.7	961.0	869.1
42.5°	998.7	842.9	849.4	867.4	783.8
45°	938.0	793.7	798.6	733.0	718.2
47.5°	870.7	742.8	744.5	608.4	696.9
50°	790.4	690.4	683.8	521.5	695.3
52.5°	719.9	633.0	613.3	472.3	631.3
55°	651.1	572.3	529.7	434.6	585.5
57.5°	590.3	493.6	452.6	390.3	575.6
60°	534.6	416.5	385.4	342.7	528.0
62.5°	488.7	359.1	352.5	309.9	478.9
65°	439.4	319.8	318.1	282.1	406.7
67.5°	392.0	293.5	291.9	255.8	309.9
70°	341.1	265.7	262.4	227.9	229.6
72.5°	288.6	234.5	231.2	204.9	190.2
75°	236.1	198.5	196.8	178.8	154.2
77.5°	185.3	157.5	160.7	144.3	113.2
80°	132.8	114.8	118.0	103.3	85.3
82.5°	88.6	75.4	78.7	65.6	57.4
85°	49.2	42.6	44.3	34.4	26.3
87.5°	23.0	19.7	19.7	13.1	8.2
90°	26.6	17.0	15.7	10.9	6.0
92.5°	164.0	116.7	106.4	65.2	24.1
95°	403.5	227.2	208.4	133.2	58.0
97.5°	543.5	249.6	233.0	166.7	100.3
100°	594.5	268.3	253.3	193.1	132.9
102.5°	617.9	287.1	273.1	217.0	160.8
105°	635.2	314.9	303.0	255.5	207.9
107.5°	638.5	356.0	345.0	300.6	256.3
110°	633.6	379.0	369.0	328.9	288.9

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	633.8	406.8	397.3	359.1	320.9
115°	639.6	448.5	439.6	404.5	369.3
117.5°	651.6	489.0	481.0	449.0	417.1
120°	661.1	512.5	504.9	474.9	444.8
122.5°	675.1	540.3	532.8	502.3	472.0
125°	693.8	576.0	569.1	541.4	513.8
127.5°	712.5	610.4	603.4	575.5	547.6
130°	726.3	633.3	625.8	595.7	565.7
132.5°	737.3	652.1	644.6	614.5	584.4
135°	749.4	673.8	667.0	639.6	612.2
137.5°	767.5	701.7	694.9	667.7	640.6
140°	778.7	720.5	714.2	689.2	664.2
142.5°	787.9	734.3	728.5	705.4	682.4
145°	800.0	755.4	750.4	730.3	710.2
147.5°	817.7	782.1	777.1	757.6	737.9
150°	826.9	795.9	791.5	773.8	756.1
152.5°	833.0	805.0	801.7	788.3	774.8
155°	846.3	825.0	822.5	812.6	802.6
157.5°	859.6	844.9	842.4	832.9	823.2
160°	865.7	854.0	852.1	844.6	837.0
162.5°	872.1	863.7	862.2	856.6	851.0
165°	881.4	877.5	876.3	871.1	866.1
167.5°	888.6	885.4	884.8	882.4	879.9
170°	894.7	894.5	893.9	891.5	889.1
172.5°	895.1	895.1	895.0	894.4	893.9
175°	898.7	900.5	900.5	900.5	900.5
177.5°	899.1	900.5	900.5	900.5	900.5
180°	900.5	900.5	900.5	900.5	900.5

(END OF REPORT)