

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: P936202

Luminaire Tested: SQ4-FA-150U-125D-B40-1D-UNV-W2A-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936202
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-B40-1D-UNV-W2A-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

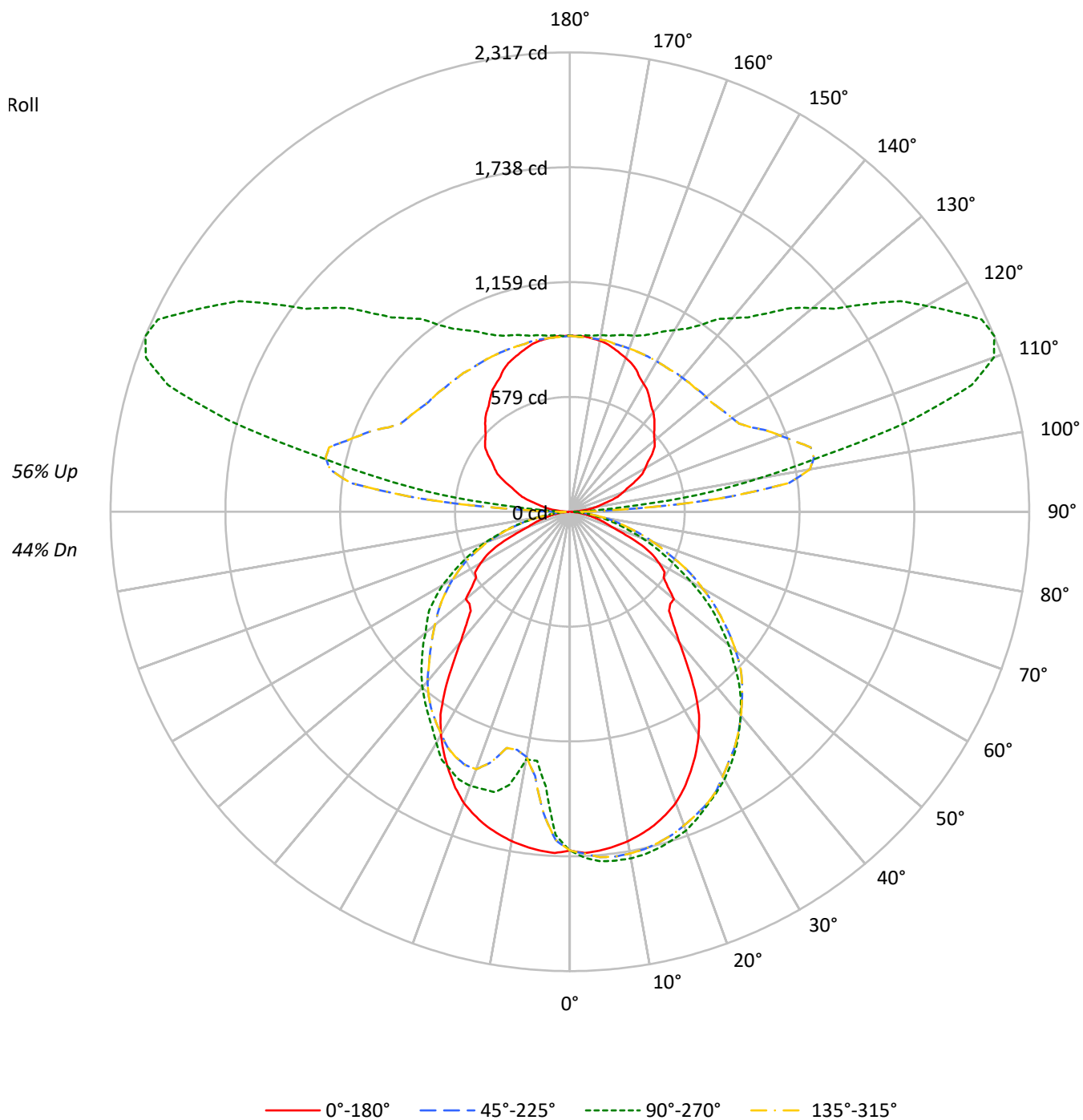
Lumens per Lamp: N/A
Luminaire Lumens: 10186.1 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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°	15852	15852	15852	15852
5°	15952	16001	15952	12582
10°	15829	15763	15829	11269
15°	15638	15421	15638	12876
20°	15294	15017	15294	12903
25°	14606	14426	14606	12630
30°	13725	13936	13725	12030
35°	12217	13317	12217	11370
40°	10162	12587	10162	10872
45°	9062	11733	9062	10299
50°	9605	10715	9605	9723
55°	9013	9618	9013	9390
60°	9257	8169	9257	8600
65°	8352	6753	8352	7548
70°	5743	5382	5743	6326
75°	4981	3977	4981	4764
80°	3931	2629	3931	2862
85°	2145	1394	2145	1183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 13917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	1.5
10°-20°	437.8	4.3
20°-30°	676.8	6.6
30°-40°	807.9	7.9
40°-50°	812.7	8.0
50°-60°	707.1	6.9
60°-70°	501.4	4.9
70°-80°	265.3	2.6
80°-90°	69.4	0.7
90°-100°	432.6	4.2
100°-110°	1137.4	11.2
110°-120°	1179.3	11.6
120°-130°	946.0	9.3
130°-140°	742.2	7.3
140°-150°	569.7	5.6
150°-160°	410.3	4.0
160°-170°	251.0	2.5
170°-180°	84.8	0.8
0°-30°	1268.8	12.5
0°-40°	2076.8	20.4
0°-60°	3596.6	35.3
0°-90°	4432.7	43.5
90°-120°	2749.3	27.0
90°-150°	5007.2	49.2
90°-180°	5753.0	56.5
0°-180°	10186.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1708	1708	1708	1708	1708	
5°	1716	1770	1716	1392	1716	163
15°	1639	1754	1639	1464	1639	461
25°	1443	1636	1443	1432	1443	663
35°	1097	1459	1097	1246	1097	679
45°	708	1202	708	1055	708	567
55°	577	887	577	866	577	530
65°	401	535	401	598	401	383
75°	152	254	152	304	152	160
85°	26	65	26	55	26	35
90°	6	23	6	23	6	6
95°	57	262	57	262	57	63
105°	205	1781	205	1781	205	217
115°	364	2293	364	2293	364	359
125°	506	1826	506	1826	506	449
135°	603	1417	603	1417	603	467
145°	700	1150	700	1150	700	438
155°	791	990	791	990	791	363
165°	854	922	854	922	854	241
175°	888	894	888	894	888	84
180°	888	888	888	888	888	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3
2.5°	1722.8	1722.8	1732.6	1735.8	1735.8	1730.9	1726.1	1730.9	1745.5	1750.3	1748.7
5°	1716.3	1729.3	1747.1	1750.3	1753.6	1751.9	1748.7	1751.9	1768.1	1771.3	1773.0
7.5°	1703.4	1727.7	1750.3	1755.2	1760.0	1755.2	1753.6	1756.8	1773.0	1776.2	1776.2
10°	1687.3	1721.2	1747.1	1750.3	1755.2	1750.3	1750.3	1756.8	1773.0	1776.2	1777.8
12.5°	1664.7	1711.6	1735.8	1739.0	1745.5	1743.8	1742.2	1748.7	1764.8	1768.1	1768.1
15°	1638.8	1693.8	1716.3	1719.6	1730.9	1727.7	1727.7	1734.2	1751.9	1756.8	1755.2
17.5°	1603.3	1671.2	1696.9	1701.8	1709.9	1708.3	1709.9	1716.3	1732.6	1735.8	1737.3
20°	1562.9	1640.4	1671.2	1675.9	1684.0	1684.0	1684.0	1692.2	1708.3	1714.8	1714.8
22.5°	1507.8	1608.1	1640.4	1643.7	1653.3	1653.3	1656.5	1667.9	1682.4	1684.0	1684.0
25°	1443.2	1572.5	1600.0	1609.7	1619.4	1624.3	1629.1	1635.5	1640.4	1638.8	1640.4
27.5°	1375.4	1527.2	1562.9	1569.3	1582.2	1587.1	1593.5	1595.1	1596.8	1601.6	1598.4
30°	1299.4	1464.2	1517.6	1524.1	1545.1	1548.2	1541.8	1545.1	1553.1	1556.4	1559.6
32.5°	1213.7	1370.5	1470.7	1485.2	1504.7	1495.0	1493.3	1498.2	1511.1	1511.1	1514.3
35°	1097.4	1297.7	1427.1	1440.0	1454.6	1443.2	1449.7	1451.3	1459.4	1464.2	1462.7
37.5°	969.7	1234.7	1381.8	1391.5	1402.8	1388.3	1398.0	1402.8	1409.3	1406.0	1406.0
40°	856.5	1136.2	1328.5	1335.0	1344.6	1333.4	1343.0	1346.3	1349.5	1346.3	1344.6
42.5°	772.5	1027.9	1272.0	1280.0	1273.5	1281.6	1284.9	1291.4	1286.5	1280.0	1280.0
45°	707.8	998.8	1210.5	1220.2	1210.5	1223.5	1228.3	1228.3	1213.7	1210.5	1208.9
47.5°	686.8	940.6	1149.1	1149.1	1144.3	1160.4	1168.4	1157.2	1142.7	1137.8	1137.8
50°	685.2	875.9	1065.0	1058.6	1081.3	1100.6	1092.5	1081.3	1069.9	1052.1	1052.1
52.5°	622.2	796.8	956.8	981.0	1016.6	1027.9	1015.0	1003.6	984.2	976.2	969.7
55°	577.0	714.3	858.2	906.7	943.8	958.3	934.2	922.8	893.8	888.9	885.7
57.5°	567.3	594.8	767.7	829.1	874.3	872.8	858.2	837.2	812.9	808.1	806.5
60°	520.4	429.9	670.7	743.5	790.3	785.5	772.5	753.1	730.5	727.2	724.1
62.5°	472.0	311.9	560.8	643.2	709.5	707.8	696.6	667.4	651.3	643.2	636.8
65°	400.8	261.9	399.2	535.0	630.3	633.5	609.3	588.3	570.5	560.8	559.2
67.5°	305.4	213.3	269.9	446.1	554.4	551.1	520.4	510.7	488.1	483.2	473.6
70°	226.2	142.2	187.5	362.0	480.0	472.0	447.7	436.3	415.3	404.1	397.6
72.5°	187.5	114.8	137.3	281.2	404.1	394.3	373.3	360.4	342.7	332.9	326.4
75°	151.9	121.2	105.0	208.5	328.0	321.6	302.3	289.3	274.8	261.9	263.4
77.5°	111.5	113.2	84.0	153.6	260.2	250.5	239.2	223.0	216.6	203.6	203.6
80°	84.0	88.9	63.0	105.0	187.5	187.5	177.8	166.5	155.2	148.7	148.7
82.5°	56.5	56.5	46.9	66.3	127.7	122.8	116.3	113.2	106.7	103.4	103.4
85°	25.9	32.3	29.1	40.4	69.5	72.8	72.8	69.5	67.9	64.7	66.3
87.5°	8.1	14.5	17.8	22.6	35.5	37.1	38.8	38.8	38.8	40.4	40.4
90°	5.9	10.7	15.5	16.7	26.3	39.0	45.3	40.2	30.2	22.6	22.6
92.5°	23.8	64.3	104.9	115.0	161.6	223.8	254.9	223.4	160.4	113.2	108.7
95°	57.2	131.3	205.4	223.9	397.7	629.3	745.2	665.0	504.5	384.2	370.5
97.5°	98.8	164.3	229.7	246.0	535.7	922.0	1115.1	1064.3	962.9	886.9	860.9
100°	131.0	190.3	249.6	264.4	585.9	1014.5	1228.8	1232.5	1240.0	1245.5	1214.6
102.5°	158.4	213.8	269.1	283.0	609.0	1043.6	1261.0	1325.5	1454.8	1551.7	1525.2
105°	204.9	251.8	298.6	310.4	626.0	1046.9	1257.4	1402.1	1691.8	1909.0	1894.8
107.5°	252.6	296.2	340.0	350.9	629.2	1000.4	1185.9	1387.9	1791.9	2094.9	2098.3
110°	284.7	324.1	363.7	373.5	624.5	959.0	1126.3	1352.2	1803.8	2142.5	2157.3

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	316.3	353.9	391.6	400.9	624.7	923.0	1072.2	1303.3	1765.5	2112.2	2134.9
115°	364.0	398.6	433.3	442.0	630.4	881.7	1007.2	1229.8	1675.2	2009.1	2040.7
117.5°	411.0	442.5	474.1	481.9	642.1	855.8	962.5	1163.5	1565.3	1866.7	1901.8
120°	438.3	468.0	497.7	505.1	651.6	847.0	944.7	1128.2	1495.4	1770.9	1804.9
122.5°	465.2	495.1	525.1	532.5	665.3	842.5	931.0	1096.3	1427.0	1675.0	1708.5
125°	506.3	533.6	560.9	567.7	683.8	838.7	916.1	1056.5	1337.4	1548.1	1579.0
127.5°	539.7	567.2	594.7	601.6	702.2	836.5	903.6	1024.2	1265.4	1446.3	1472.3
130°	557.5	587.1	616.7	624.2	715.8	837.8	898.8	1006.2	1220.9	1381.9	1406.0
132.5°	576.0	605.7	635.3	642.7	726.7	838.7	894.6	990.7	1183.0	1327.1	1348.7
135°	603.4	630.4	657.3	664.1	738.6	837.8	887.5	968.0	1128.9	1249.6	1268.2
137.5°	631.4	658.1	684.8	691.5	756.5	843.1	886.3	954.3	1090.4	1192.5	1207.7
140°	654.7	679.3	703.9	710.0	767.4	843.9	882.1	940.9	1058.4	1146.6	1160.8
142.5°	672.5	695.2	718.0	723.7	776.5	846.9	882.1	933.8	1037.0	1114.5	1126.7
145°	699.9	719.8	739.6	744.5	788.4	847.0	876.2	918.4	1002.8	1066.2	1075.4
147.5°	727.2	746.6	765.9	770.8	805.9	852.8	876.2	909.4	975.8	1025.7	1033.3
150°	745.2	762.7	780.0	784.4	815.0	855.8	876.2	904.3	960.3	1002.5	1008.7
152.5°	763.6	776.9	790.1	793.4	821.0	857.8	876.2	900.2	948.1	984.0	988.7
155°	791.0	800.9	810.6	813.1	834.1	862.2	876.2	895.3	933.4	962.0	965.1
157.5°	811.3	820.8	830.3	832.7	847.2	866.6	876.2	891.0	920.6	942.9	945.1
160°	824.9	832.4	839.8	841.6	853.2	868.6	876.2	888.9	914.3	933.3	934.6
162.5°	838.7	844.2	849.8	851.2	859.5	870.7	876.2	886.9	908.4	924.4	925.6
165°	853.6	858.5	863.6	864.8	868.7	873.7	876.2	883.9	899.2	910.7	911.9
167.5°	867.2	869.6	872.0	872.6	875.7	880.0	882.1	887.2	897.2	904.8	905.3
170°	876.2	878.6	881.0	881.6	881.8	882.0	882.1	887.2	897.2	904.8	904.8
172.5°	881.0	881.5	882.0	882.1	882.1	882.1	882.1	886.1	894.1	900.0	899.5
175°	887.5	887.5	887.5	887.5	885.7	883.3	882.1	884.6	889.7	893.5	893.5
177.5°	887.5	887.5	887.5	887.5	886.1	884.3	883.4	885.4	889.3	892.3	891.7
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3
2.5°	1751.9	1747.1	1751.9	1748.7	1750.3	1745.5	1730.9	1726.1	1730.9	1735.8	1735.8
5°	1773.0	1769.7	1773.0	1773.0	1771.3	1768.1	1751.9	1748.7	1751.9	1753.6	1750.3
7.5°	1779.4	1774.6	1779.4	1776.2	1776.2	1773.0	1756.8	1753.6	1755.2	1760.0	1755.2
10°	1779.4	1774.6	1779.4	1777.8	1776.2	1773.0	1756.8	1750.3	1750.3	1755.2	1750.3
12.5°	1771.3	1768.1	1771.3	1768.1	1768.1	1764.8	1748.7	1742.2	1743.8	1745.5	1739.0
15°	1758.3	1753.6	1758.3	1755.2	1756.8	1751.9	1734.2	1727.7	1727.7	1730.9	1719.6
17.5°	1739.0	1732.6	1739.0	1737.3	1735.8	1732.6	1716.3	1709.9	1708.3	1709.9	1701.8
20°	1716.3	1711.6	1716.3	1714.8	1714.8	1708.3	1692.2	1684.0	1684.0	1684.0	1675.9
22.5°	1680.8	1675.9	1680.8	1684.0	1684.0	1682.4	1667.9	1656.5	1653.3	1653.3	1643.7
25°	1640.4	1635.5	1640.4	1640.4	1638.8	1640.4	1635.5	1629.1	1624.3	1619.4	1609.7
27.5°	1601.6	1598.4	1601.6	1598.4	1601.6	1596.8	1595.1	1593.5	1587.1	1582.2	1569.3
30°	1562.9	1559.6	1562.9	1559.6	1556.4	1553.1	1545.1	1541.8	1548.2	1545.1	1524.1
32.5°	1514.3	1511.1	1514.3	1514.3	1511.1	1511.1	1498.2	1493.3	1495.0	1504.7	1485.2
35°	1464.2	1459.4	1464.2	1462.7	1464.2	1459.4	1451.3	1449.7	1443.2	1454.6	1440.0
37.5°	1406.0	1401.2	1406.0	1406.0	1406.0	1409.3	1402.8	1398.0	1388.3	1402.8	1391.5
40°	1346.3	1339.8	1346.3	1344.6	1346.3	1349.5	1346.3	1343.0	1333.4	1344.6	1335.0
42.5°	1278.4	1276.7	1278.4	1280.0	1280.0	1286.5	1291.4	1284.9	1281.6	1273.5	1280.0
45°	1205.7	1202.4	1205.7	1208.9	1210.5	1213.7	1228.3	1228.3	1223.5	1210.5	1220.2
47.5°	1128.0	1120.0	1128.0	1137.8	1137.8	1142.7	1157.2	1168.4	1160.4	1144.3	1149.1
50°	1045.6	1047.3	1045.6	1052.1	1052.1	1069.9	1081.3	1092.5	1100.6	1081.3	1058.6
52.5°	964.8	963.2	964.8	969.7	976.2	984.2	1003.6	1015.0	1027.9	1016.6	981.0
55°	884.0	887.3	884.0	885.7	888.9	893.8	922.8	934.2	958.3	943.8	906.7
57.5°	803.3	798.4	803.3	806.5	808.1	812.9	837.2	858.2	872.8	874.3	829.1
60°	709.5	703.1	709.5	724.1	727.2	730.5	753.1	772.5	785.5	790.3	743.5
62.5°	627.1	615.8	627.1	636.8	643.2	651.3	667.4	696.6	707.8	709.5	643.2
65°	539.8	535.0	539.8	559.2	560.8	570.5	588.3	609.3	633.5	630.3	535.0
67.5°	460.6	460.6	460.6	473.6	483.2	488.1	510.7	520.4	551.1	554.4	446.1
70°	387.9	386.3	387.9	397.6	404.1	415.3	436.3	447.7	472.0	480.0	362.0
72.5°	318.4	316.8	318.4	326.4	332.9	342.7	360.4	373.3	394.3	404.1	281.2
75°	257.0	253.7	257.0	263.4	261.9	274.8	289.3	302.3	321.6	328.0	208.5
77.5°	197.2	197.2	197.2	203.6	203.6	216.6	223.0	239.2	250.5	260.2	153.6
80°	147.1	145.4	147.1	148.7	148.7	155.2	166.5	177.8	187.5	187.5	105.0
82.5°	103.4	100.2	103.4	103.4	103.4	106.7	113.2	116.3	122.8	127.7	66.3
85°	64.7	64.7	64.7	66.3	64.7	67.9	69.5	72.8	72.8	69.5	40.4
87.5°	42.0	40.4	42.0	40.4	40.4	38.8	38.8	38.8	37.1	35.5	22.6
90°	22.6	22.6	22.6	22.6	22.6	30.2	40.2	45.3	39.0	26.3	16.7
92.5°	90.6	72.7	90.6	108.7	113.2	160.4	223.4	254.9	223.8	161.6	115.0
95°	316.0	261.5	316.0	370.5	384.2	504.5	665.0	745.2	629.3	397.7	223.9
97.5°	757.2	653.4	757.2	860.9	886.9	962.9	1064.3	1115.1	922.0	535.7	246.0
100°	1091.0	967.3	1091.0	1214.6	1245.5	1240.0	1232.5	1228.8	1014.5	585.9	264.4
102.5°	1419.3	1313.4	1419.3	1525.2	1551.7	1454.8	1325.5	1261.0	1043.6	609.0	283.0
105°	1837.9	1781.0	1837.9	1894.8	1909.0	1691.8	1402.1	1257.4	1046.9	626.0	310.4
107.5°	2112.1	2125.8	2112.1	2098.3	2094.9	1791.9	1387.9	1185.9	1000.4	629.2	350.9
110°	2216.7	2276.0	2216.7	2157.3	2142.5	1803.8	1352.2	1126.3	959.0	624.5	373.5

TEST NUMBER: P936202

CATALOG NUMBER: SQ4-FA-150U-125D-B40-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2226.0	2317.0	2226.0	2134.9	2112.2	1765.5	1303.3	1072.2	923.0	624.7	400.9
115°	2167.0	2293.2	2167.0	2040.7	2009.1	1675.2	1229.8	1007.2	881.7	630.4	442.0
117.5°	2041.8	2181.8	2041.8	1901.8	1866.7	1565.3	1163.5	962.5	855.8	642.1	481.9
120°	1940.9	2077.0	1940.9	1804.9	1770.9	1495.4	1128.2	944.7	847.0	651.6	505.1
122.5°	1842.8	1976.9	1842.8	1708.5	1675.0	1427.0	1096.3	931.0	842.5	665.3	532.5
125°	1702.6	1826.2	1702.6	1579.0	1548.1	1337.4	1056.5	916.1	838.7	683.8	567.7
127.5°	1576.6	1680.9	1576.6	1472.3	1446.3	1265.4	1024.2	903.6	836.5	702.2	601.6
130°	1502.3	1598.7	1502.3	1406.0	1381.9	1220.9	1006.2	898.8	837.8	715.8	624.2
132.5°	1434.9	1521.2	1434.9	1348.7	1327.1	1183.0	990.7	894.6	838.7	726.7	642.7
135°	1342.6	1417.0	1342.6	1268.2	1249.6	1128.9	968.0	887.5	837.8	738.6	664.1
137.5°	1268.6	1329.5	1268.6	1207.7	1192.5	1090.4	954.3	886.3	843.1	756.5	691.5
140°	1217.7	1274.6	1217.7	1160.8	1146.6	1058.4	940.9	882.1	843.9	767.4	710.0
142.5°	1175.7	1224.6	1175.7	1126.7	1114.5	1037.0	933.8	882.1	846.9	776.5	723.7
145°	1112.6	1149.6	1112.6	1075.4	1066.2	1002.8	918.4	876.2	847.0	788.4	744.5
147.5°	1064.1	1094.8	1064.1	1033.3	1025.7	975.8	909.4	876.2	852.8	805.9	770.8
150°	1033.6	1058.4	1033.6	1008.7	1002.5	960.3	904.3	876.2	855.8	815.0	784.4
152.5°	1007.5	1026.2	1007.5	988.7	984.0	948.1	900.2	876.2	857.8	821.0	793.4
155°	977.5	990.0	977.5	965.1	962.0	933.4	895.3	876.2	862.2	834.1	813.1
157.5°	953.8	962.5	953.8	945.1	942.9	920.6	891.0	876.2	866.6	847.2	832.7
160°	939.6	944.7	939.6	934.6	933.3	914.3	888.9	876.2	868.6	853.2	841.6
162.5°	930.4	935.1	930.4	925.6	924.4	908.4	886.9	876.2	870.7	859.5	851.2
165°	917.0	922.1	917.0	911.9	910.7	899.2	883.9	876.2	873.7	868.7	864.8
167.5°	907.4	909.5	907.4	905.3	904.8	897.2	887.2	882.1	880.0	875.7	872.6
170°	904.8	904.8	904.8	904.8	904.8	897.2	887.2	882.1	882.0	881.8	881.6
172.5°	897.7	895.9	897.7	899.5	900.0	894.1	886.1	882.1	882.1	882.1	882.1
175°	893.5	893.5	893.5	893.5	893.5	889.7	884.6	882.1	883.3	885.7	887.5
177.5°	889.6	887.5	889.6	891.7	892.3	889.3	885.4	883.4	884.3	886.1	887.5
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5

TEST NUMBER: P936202

CATALOG NUMBER: SQ4-FA-150U-125D-B40-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3
2.5°	1732.6	1722.8	1722.8	1706.7	1700.2	1695.3	1687.3	1663.0	1656.5	1650.1	1659.8
5°	1747.1	1729.3	1716.3	1687.3	1663.0	1653.3	1622.6	1564.5	1525.7	1496.6	1480.4
7.5°	1750.3	1727.7	1703.4	1658.2	1600.0	1574.1	1480.4	1373.8	1344.6	1318.8	1302.6
10°	1747.1	1721.2	1687.3	1619.4	1482.1	1436.8	1343.0	1273.5	1255.7	1251.0	1255.7
12.5°	1735.8	1711.6	1664.7	1551.5	1359.2	1328.5	1273.5	1233.1	1229.9	1238.0	1281.6
15°	1716.3	1693.8	1638.8	1461.1	1291.4	1268.7	1229.9	1215.3	1233.1	1289.7	1420.7
17.5°	1696.9	1671.2	1603.3	1372.1	1239.6	1223.5	1195.9	1225.1	1325.3	1401.2	1444.8
20°	1671.2	1640.4	1562.9	1307.5	1202.4	1187.9	1174.9	1305.9	1381.8	1409.3	1433.6
22.5°	1640.4	1608.1	1507.8	1262.2	1163.7	1152.3	1160.4	1351.1	1381.8	1401.2	1422.2
25°	1600.0	1572.5	1443.2	1226.7	1132.9	1120.0	1150.7	1346.3	1364.0	1368.9	1410.9
27.5°	1562.9	1527.2	1375.4	1194.3	1095.8	1090.9	1158.8	1325.3	1338.1	1343.0	1388.3
30°	1517.6	1464.2	1299.4	1160.4	1057.0	1055.4	1160.4	1299.4	1296.1	1309.1	1354.4
32.5°	1470.7	1370.5	1213.7	1118.4	1019.8	1018.2	1149.1	1260.6	1257.4	1275.1	1309.1
35°	1427.1	1297.7	1097.4	1069.9	973.0	974.6	1121.6	1215.3	1217.0	1233.1	1254.1
37.5°	1381.8	1234.7	969.7	1016.6	927.7	927.7	1084.4	1173.3	1170.1	1174.9	1204.1
40°	1328.5	1136.2	856.5	947.1	885.7	880.8	1039.2	1128.0	1116.8	1115.2	1155.6
42.5°	1272.0	1027.9	772.5	854.9	837.2	830.8	984.2	1073.1	1052.1	1057.0	1108.7
45°	1210.5	998.8	707.8	722.5	787.1	782.2	924.4	1010.1	995.6	1008.5	1061.9
47.5°	1149.1	940.6	686.8	599.6	733.7	732.1	858.2	948.7	940.6	953.6	1010.1
50°	1065.0	875.9	685.2	514.0	673.9	680.4	779.0	888.9	888.9	900.2	960.0
52.5°	956.8	796.8	622.2	465.5	604.4	623.8	709.5	837.2	840.4	851.8	905.1
55°	858.2	714.3	577.0	428.3	522.0	564.0	641.7	783.9	790.3	801.6	850.1
57.5°	767.7	594.8	567.3	384.7	446.1	486.5	581.8	732.1	735.4	745.1	791.9
60°	670.7	429.9	520.4	337.8	379.8	410.5	526.9	670.7	682.1	688.5	728.9
62.5°	560.8	311.9	472.0	305.4	347.4	353.9	481.6	612.5	627.1	631.9	656.2
65°	399.2	261.9	400.8	278.0	313.5	315.2	433.1	552.8	565.6	573.8	591.5
67.5°	269.9	213.3	305.4	252.1	287.6	289.3	386.3	483.2	501.0	507.5	518.8
70°	187.5	142.2	226.2	224.6	258.6	261.9	336.2	420.2	436.3	441.2	447.7
72.5°	137.3	114.8	187.5	202.0	227.9	231.1	284.4	349.1	365.3	370.1	373.3
75°	105.0	121.2	151.9	176.2	194.0	195.6	232.7	284.4	295.8	299.0	300.6
77.5°	84.0	113.2	111.5	142.2	158.3	155.2	182.6	219.8	229.5	229.5	229.5
80°	63.0	88.9	84.0	101.8	116.3	113.2	130.9	156.8	160.0	163.2	161.6
82.5°	46.9	56.5	56.5	64.7	77.5	74.3	87.3	101.8	101.8	101.8	105.0
85°	29.1	32.3	25.9	33.9	43.6	42.0	48.5	54.9	56.5	56.5	53.3
87.5°	17.8	14.5	8.1	12.9	19.4	19.4	22.6	24.3	22.6	22.6	22.6
90°	15.5	10.7	5.9	10.7	15.5	16.7	26.3	39.0	45.3	40.2	30.2
92.5°	104.9	64.3	23.8	64.3	104.9	115.0	161.6	223.8	254.9	223.4	160.4
95°	205.4	131.3	57.2	131.3	205.4	223.9	397.7	629.3	745.2	665.0	504.5
97.5°	229.7	164.3	98.8	164.3	229.7	246.0	535.7	922.0	1115.1	1064.3	962.9
100°	249.6	190.3	131.0	190.3	249.6	264.4	585.9	1014.5	1228.8	1232.5	1240.0
102.5°	269.1	213.8	158.4	213.8	269.1	283.0	609.0	1043.6	1261.0	1325.5	1454.8
105°	298.6	251.8	204.9	251.8	298.6	310.4	626.0	1046.9	1257.4	1402.1	1691.8
107.5°	340.0	296.2	252.6	296.2	340.0	350.9	629.2	1000.4	1185.9	1387.9	1791.9
110°	363.7	324.1	284.7	324.1	363.7	373.5	624.5	959.0	1126.3	1352.2	1803.8

TEST NUMBER: P936202

CATALOG NUMBER: SQ4-FA-150U-125D-B40-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	391.6	353.9	316.3	353.9	391.6	400.9	624.7	923.0	1072.2	1303.3	1765.5
115°	433.3	398.6	364.0	398.6	433.3	442.0	630.4	881.7	1007.2	1229.8	1675.2
117.5°	474.1	442.5	411.0	442.5	474.1	481.9	642.1	855.8	962.5	1163.5	1565.3
120°	497.7	468.0	438.3	468.0	497.7	505.1	651.6	847.0	944.7	1128.2	1495.4
122.5°	525.1	495.1	465.2	495.1	525.1	532.5	665.3	842.5	931.0	1096.3	1427.0
125°	560.9	533.6	506.3	533.6	560.9	567.7	683.8	838.7	916.1	1056.5	1337.4
127.5°	594.7	567.2	539.7	567.2	594.7	601.6	702.2	836.5	903.6	1024.2	1265.4
130°	616.7	587.1	557.5	587.1	616.7	624.2	715.8	837.8	898.8	1006.2	1220.9
132.5°	635.3	605.7	576.0	605.7	635.3	642.7	726.7	838.7	894.6	990.7	1183.0
135°	657.3	630.4	603.4	630.4	657.3	664.1	738.6	837.8	887.5	968.0	1128.9
137.5°	684.8	658.1	631.4	658.1	684.8	691.5	756.5	843.1	886.3	954.3	1090.4
140°	703.9	679.3	654.7	679.3	703.9	710.0	767.4	843.9	882.1	940.9	1058.4
142.5°	718.0	695.2	672.5	695.2	718.0	723.7	776.5	846.9	882.1	933.8	1037.0
145°	739.6	719.8	699.9	719.8	739.6	744.5	788.4	847.0	876.2	918.4	1002.8
147.5°	765.9	746.6	727.2	746.6	765.9	770.8	805.9	852.8	876.2	909.4	975.8
150°	780.0	762.7	745.2	762.7	780.0	784.4	815.0	855.8	876.2	904.3	960.3
152.5°	790.1	776.9	763.6	776.9	790.1	793.4	821.0	857.8	876.2	900.2	948.1
155°	810.6	800.9	791.0	800.9	810.6	813.1	834.1	862.2	876.2	895.3	933.4
157.5°	830.3	820.8	811.3	820.8	830.3	832.7	847.2	866.6	876.2	891.0	920.6
160°	839.8	832.4	824.9	832.4	839.8	841.6	853.2	868.6	876.2	888.9	914.3
162.5°	849.8	844.2	838.7	844.2	849.8	851.2	859.5	870.7	876.2	886.9	908.4
165°	863.6	858.5	853.6	858.5	863.6	864.8	868.7	873.7	876.2	883.9	899.2
167.5°	872.0	869.6	867.2	869.6	872.0	872.6	875.7	880.0	882.1	887.2	897.2
170°	881.0	878.6	876.2	878.6	881.0	881.6	881.8	882.0	882.1	887.2	897.2
172.5°	882.0	881.5	881.0	881.5	882.0	882.1	882.1	882.1	882.1	886.1	894.1
175°	887.5	887.5	887.5	887.5	887.5	887.5	885.7	883.3	882.1	884.6	889.7
177.5°	887.5	887.5	887.5	887.5	887.5	887.5	886.1	884.3	883.4	885.4	889.3
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5

TEST NUMBER: P936202

CATALOG NUMBER: SQ4-FA-150U-125D-B40-1D-UNV-W2A-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3	1708.3
2.5°	1648.5	1643.7	1650.1	1632.3	1650.1	1643.7	1648.5	1659.8	1650.1	1656.5	1663.0
5°	1446.4	1438.4	1412.5	1391.5	1412.5	1438.4	1446.4	1480.4	1496.6	1525.7	1564.5
7.5°	1293.0	1286.5	1280.0	1267.1	1280.0	1286.5	1293.0	1302.6	1318.8	1344.6	1373.8
10°	1259.0	1260.6	1270.3	1268.7	1270.3	1260.6	1259.0	1255.7	1251.0	1255.7	1273.5
12.5°	1346.3	1360.8	1414.2	1410.9	1414.2	1360.8	1346.3	1281.6	1238.0	1229.9	1233.1
15°	1446.4	1451.3	1462.7	1464.2	1462.7	1451.3	1446.4	1420.7	1289.7	1233.1	1215.3
17.5°	1456.2	1457.8	1465.8	1465.8	1465.8	1457.8	1456.2	1444.8	1401.2	1325.3	1225.1
20°	1448.1	1451.3	1467.5	1470.7	1467.5	1451.3	1448.1	1433.6	1409.3	1381.8	1305.9
22.5°	1444.8	1451.3	1464.2	1462.7	1464.2	1451.3	1444.8	1422.2	1401.2	1381.8	1351.1
25°	1428.7	1428.7	1430.3	1431.9	1430.3	1428.7	1428.7	1410.9	1368.9	1364.0	1346.3
27.5°	1394.8	1398.0	1407.7	1406.0	1407.7	1398.0	1394.8	1388.3	1343.0	1338.1	1325.3
30°	1364.0	1360.8	1352.8	1346.3	1352.8	1360.8	1364.0	1354.4	1309.1	1296.1	1299.4
32.5°	1312.4	1304.2	1296.1	1291.4	1296.1	1304.2	1312.4	1309.1	1275.1	1257.4	1260.6
35°	1251.0	1252.5	1251.0	1246.1	1251.0	1252.5	1251.0	1254.1	1233.1	1217.0	1215.3
37.5°	1207.3	1210.5	1208.9	1202.4	1208.9	1210.5	1207.3	1204.1	1174.9	1170.1	1173.3
40°	1162.0	1163.7	1162.0	1157.2	1162.0	1163.7	1162.0	1155.6	1115.2	1116.8	1128.0
42.5°	1118.4	1116.8	1111.9	1108.7	1111.9	1116.8	1118.4	1108.7	1057.0	1052.1	1073.1
45°	1068.3	1069.9	1060.2	1055.4	1060.2	1069.9	1068.3	1061.9	1008.5	995.6	1010.1
47.5°	1018.2	1018.2	1010.1	1005.2	1010.1	1018.2	1018.2	1010.1	953.6	940.6	948.7
50°	964.8	963.2	951.9	950.3	951.9	963.2	964.8	960.0	900.2	888.9	888.9
52.5°	903.4	903.4	905.1	908.3	905.1	903.4	903.4	905.1	851.8	840.4	837.2
55°	850.1	851.8	863.0	866.3	863.0	851.8	850.1	850.1	801.6	790.3	783.9
57.5°	795.1	795.1	803.3	803.3	803.3	795.1	795.1	791.9	745.1	735.4	732.1
60°	732.1	735.4	741.8	740.2	741.8	735.4	732.1	728.9	688.5	682.1	670.7
62.5°	665.8	669.1	670.7	667.4	670.7	669.1	665.8	656.2	631.9	627.1	612.5
65°	596.4	599.6	601.2	598.0	601.2	599.6	596.4	591.5	573.8	565.6	552.8
67.5°	525.2	523.6	522.0	528.5	522.0	523.6	525.2	518.8	507.5	501.0	483.2
70°	452.5	452.5	451.0	454.1	451.0	452.5	452.5	447.7	441.2	436.3	420.2
72.5°	374.9	373.3	379.8	374.9	379.8	373.3	374.9	373.3	370.1	365.3	349.1
75°	299.0	302.3	299.0	303.9	299.0	302.3	299.0	300.6	299.0	295.8	284.4
77.5°	227.9	231.1	227.9	227.9	227.9	231.1	227.9	229.5	229.5	229.5	219.8
80°	161.6	160.0	160.0	158.3	160.0	160.0	161.6	161.6	163.2	160.0	156.8
82.5°	103.4	101.8	101.8	105.0	101.8	101.8	103.4	105.0	101.8	101.8	101.8
85°	56.5	58.2	54.9	54.9	54.9	58.2	56.5	53.3	56.5	56.5	54.9
87.5°	21.0	19.4	19.4	19.4	19.4	19.4	21.0	22.6	22.6	22.6	24.3
90°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	30.2	40.2	45.3	39.0
92.5°	113.2	108.7	90.6	72.7	90.6	108.7	113.2	160.4	223.4	254.9	223.8
95°	384.2	370.5	316.0	261.5	316.0	370.5	384.2	504.5	665.0	745.2	629.3
97.5°	886.9	860.9	757.2	653.4	757.2	860.9	886.9	962.9	1064.3	1115.1	922.0
100°	1245.5	1214.6	1091.0	967.3	1091.0	1214.6	1245.5	1240.0	1232.5	1228.8	1014.5
102.5°	1551.7	1525.2	1419.3	1313.4	1419.3	1525.2	1551.7	1454.8	1325.5	1261.0	1043.6
105°	1909.0	1894.8	1837.9	1781.0	1837.9	1894.8	1909.0	1691.8	1402.1	1257.4	1046.9
107.5°	2094.9	2098.3	2112.1	2125.8	2112.1	2098.3	2094.9	1791.9	1387.9	1185.9	1000.4
110°	2142.5	2157.3	2216.7	2276.0	2216.7	2157.3	2142.5	1803.8	1352.2	1126.3	959.0

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2112.2	2134.9	2226.0	2317.0	2226.0	2134.9	2112.2	1765.5	1303.3	1072.2	923.0
115°	2009.1	2040.7	2167.0	2293.2	2167.0	2040.7	2009.1	1675.2	1229.8	1007.2	881.7
117.5°	1866.7	1901.8	2041.8	2181.8	2041.8	1901.8	1866.7	1565.3	1163.5	962.5	855.8
120°	1770.9	1804.9	1940.9	2077.0	1940.9	1804.9	1770.9	1495.4	1128.2	944.7	847.0
122.5°	1675.0	1708.5	1842.8	1976.9	1842.8	1708.5	1675.0	1427.0	1096.3	931.0	842.5
125°	1548.1	1579.0	1702.6	1826.2	1702.6	1579.0	1548.1	1337.4	1056.5	916.1	838.7
127.5°	1446.3	1472.3	1576.6	1680.9	1576.6	1472.3	1446.3	1265.4	1024.2	903.6	836.5
130°	1381.9	1406.0	1502.3	1598.7	1502.3	1406.0	1381.9	1220.9	1006.2	898.8	837.8
132.5°	1327.1	1348.7	1434.9	1521.2	1434.9	1348.7	1327.1	1183.0	990.7	894.6	838.7
135°	1249.6	1268.2	1342.6	1417.0	1342.6	1268.2	1249.6	1128.9	968.0	887.5	837.8
137.5°	1192.5	1207.7	1268.6	1329.5	1268.6	1207.7	1192.5	1090.4	954.3	886.3	843.1
140°	1146.6	1160.8	1217.7	1274.6	1217.7	1160.8	1146.6	1058.4	940.9	882.1	843.9
142.5°	1114.5	1126.7	1175.7	1224.6	1175.7	1126.7	1114.5	1037.0	933.8	882.1	846.9
145°	1066.2	1075.4	1112.6	1149.6	1112.6	1075.4	1066.2	1002.8	918.4	876.2	847.0
147.5°	1025.7	1033.3	1064.1	1094.8	1064.1	1033.3	1025.7	975.8	909.4	876.2	852.8
150°	1002.5	1008.7	1033.6	1058.4	1033.6	1008.7	1002.5	960.3	904.3	876.2	855.8
152.5°	984.0	988.7	1007.5	1026.2	1007.5	988.7	984.0	948.1	900.2	876.2	857.8
155°	962.0	965.1	977.5	990.0	977.5	965.1	962.0	933.4	895.3	876.2	862.2
157.5°	942.9	945.1	953.8	962.5	953.8	945.1	942.9	920.6	891.0	876.2	866.6
160°	933.3	934.6	939.6	944.7	939.6	934.6	933.3	914.3	888.9	876.2	868.6
162.5°	924.4	925.6	930.4	935.1	930.4	925.6	924.4	908.4	886.9	876.2	870.7
165°	910.7	911.9	917.0	922.1	917.0	911.9	910.7	899.2	883.9	876.2	873.7
167.5°	904.8	905.3	907.4	909.5	907.4	905.3	904.8	897.2	887.2	882.1	880.0
170°	904.8	904.8	904.8	904.8	904.8	904.8	904.8	897.2	887.2	882.1	882.0
172.5°	900.0	899.5	897.7	895.9	897.7	899.5	900.0	894.1	886.1	882.1	882.1
175°	893.5	893.5	893.5	893.5	893.5	893.5	893.5	889.7	884.6	882.1	883.3
177.5°	892.3	891.7	889.6	887.5	889.6	891.7	892.3	889.3	885.4	883.4	884.3
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1708.3	1708.3	1708.3	1708.3	1708.3
2.5°	1687.3	1695.3	1700.2	1706.7	1722.8
5°	1622.6	1653.3	1663.0	1687.3	1716.3
7.5°	1480.4	1574.1	1600.0	1658.2	1703.4
10°	1343.0	1436.8	1482.1	1619.4	1687.3
12.5°	1273.5	1328.5	1359.2	1551.5	1664.7
15°	1229.9	1268.7	1291.4	1461.1	1638.8
17.5°	1195.9	1223.5	1239.6	1372.1	1603.3
20°	1174.9	1187.9	1202.4	1307.5	1562.9
22.5°	1160.4	1152.3	1163.7	1262.2	1507.8
25°	1150.7	1120.0	1132.9	1226.7	1443.2
27.5°	1158.8	1090.9	1095.8	1194.3	1375.4
30°	1160.4	1055.4	1057.0	1160.4	1299.4
32.5°	1149.1	1018.2	1019.8	1118.4	1213.7
35°	1121.6	974.6	973.0	1069.9	1097.4
37.5°	1084.4	927.7	927.7	1016.6	969.7
40°	1039.2	880.8	885.7	947.1	856.5
42.5°	984.2	830.8	837.2	854.9	772.5
45°	924.4	782.2	787.1	722.5	707.8
47.5°	858.2	732.1	733.7	599.6	686.8
50°	779.0	680.4	673.9	514.0	685.2
52.5°	709.5	623.8	604.4	465.5	622.2
55°	641.7	564.0	522.0	428.3	577.0
57.5°	581.8	486.5	446.1	384.7	567.3
60°	526.9	410.5	379.8	337.8	520.4
62.5°	481.6	353.9	347.4	305.4	472.0
65°	433.1	315.2	313.5	278.0	400.8
67.5°	386.3	289.3	287.6	252.1	305.4
70°	336.2	261.9	258.6	224.6	226.2
72.5°	284.4	231.1	227.9	202.0	187.5
75°	232.7	195.6	194.0	176.2	151.9
77.5°	182.6	155.2	158.3	142.2	111.5
80°	130.9	113.2	116.3	101.8	84.0
82.5°	87.3	74.3	77.5	64.7	56.5
85°	48.5	42.0	43.6	33.9	25.9
87.5°	22.6	19.4	19.4	12.9	8.1
90°	26.3	16.7	15.5	10.7	5.9
92.5°	161.6	115.0	104.9	64.3	23.8
95°	397.7	223.9	205.4	131.3	57.2
97.5°	535.7	246.0	229.7	164.3	98.8
100°	585.9	264.4	249.6	190.3	131.0
102.5°	609.0	283.0	269.1	213.8	158.4
105°	626.0	310.4	298.6	251.8	204.9
107.5°	629.2	350.9	340.0	296.2	252.6
110°	624.5	373.5	363.7	324.1	284.7

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	624.7	400.9	391.6	353.9	316.3
115°	630.4	442.0	433.3	398.6	364.0
117.5°	642.1	481.9	474.1	442.5	411.0
120°	651.6	505.1	497.7	468.0	438.3
122.5°	665.3	532.5	525.1	495.1	465.2
125°	683.8	567.7	560.9	533.6	506.3
127.5°	702.2	601.6	594.7	567.2	539.7
130°	715.8	624.2	616.7	587.1	557.5
132.5°	726.7	642.7	635.3	605.7	576.0
135°	738.6	664.1	657.3	630.4	603.4
137.5°	756.5	691.5	684.8	658.1	631.4
140°	767.4	710.0	703.9	679.3	654.7
142.5°	776.5	723.7	718.0	695.2	672.5
145°	788.4	744.5	739.6	719.8	699.9
147.5°	805.9	770.8	765.9	746.6	727.2
150°	815.0	784.4	780.0	762.7	745.2
152.5°	821.0	793.4	790.1	776.9	763.6
155°	834.1	813.1	810.6	800.9	791.0
157.5°	847.2	832.7	830.3	820.8	811.3
160°	853.2	841.6	839.8	832.4	824.9
162.5°	859.5	851.2	849.8	844.2	838.7
165°	868.7	864.8	863.6	858.5	853.6
167.5°	875.7	872.6	872.0	869.6	867.2
170°	881.8	881.6	881.0	878.6	876.2
172.5°	882.1	882.1	882.0	881.5	881.0
175°	885.7	887.5	887.5	887.5	887.5
177.5°	886.1	887.5	887.5	887.5	887.5
180°	887.5	887.5	887.5	887.5	887.5

(END OF REPORT)