

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: P935203

Luminaire Tested: SQ4-FA-100U-075D-B40-1D-UNV-W2A-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935203
REPORT IS A COMBINATION OF REPORTS P933743 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-B40-1D-UNV-W2A-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

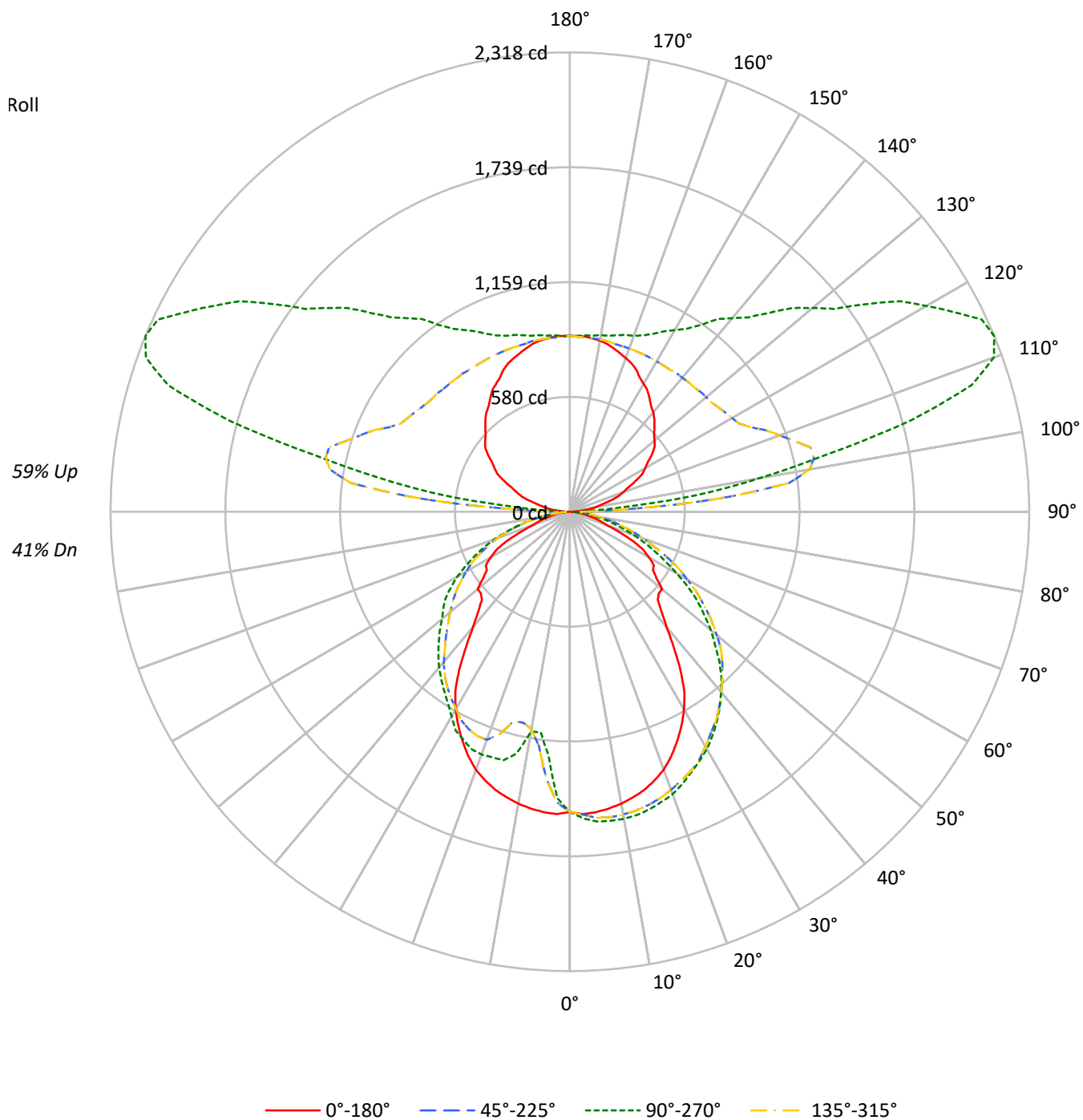
Lumens per Lamp: N/A
Luminaire Lumens: 9684.6 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 73.8
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9433	9455	9433	7435
10°	9367	9314	9367	6659
15°	9262	9112	9262	7609
20°	9064	8873	9064	7625
25°	8664	8524	8664	7463
30°	8148	8235	8148	7109
35°	7261	7869	7261	6719
40°	6046	7438	6046	6424
45°	5399	6933	5399	6085
50°	5732	6332	5732	5745
55°	5387	5683	5387	5548
60°	5547	4827	5547	5082
65°	5021	3990	5021	4460
70°	3468	3180	3468	3738
75°	3031	2351	3031	2815
80°	2425	1554	2425	1692
85°	1365	823	1365	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	1.4
10°-20°	388.1	4.0
20°-30°	599.9	6.2
30°-40°	716.1	7.4
40°-50°	720.3	7.4
50°-60°	626.8	6.5
60°-70°	444.4	4.6
70°-80°	235.1	2.4
80°-90°	61.9	0.6
90°-100°	432.8	4.5
100°-110°	1137.7	11.7
110°-120°	1179.7	12.2
120°-130°	946.3	9.8
130°-140°	742.5	7.7
140°-150°	569.9	5.9
150°-160°	410.4	4.2
160°-170°	251.1	2.6
170°-180°	84.8	0.9
0°-30°	1124.6	11.6
0°-40°	1840.8	19.0
0°-60°	3187.9	32.9
0°-90°	3929.3	40.6
90°-120°	2750.2	28.4
90°-150°	5008.9	51.7
90°-180°	5755.0	59.4
0°-180°	9684.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1514	1514	1514	1514	1514	
5°	1521	1569	1521	1233	1521	144
15°	1453	1554	1453	1298	1453	409
25°	1279	1450	1279	1269	1279	587
35°	973	1294	973	1104	973	602
45°	627	1066	627	935	627	503
55°	511	786	511	768	511	470
65°	355	474	355	530	355	340
75°	135	225	135	269	135	142
85°	23	57	23	49	23	31
90°	6	23	6	23	6	6
95°	57	262	57	262	57	64
105°	205	1782	205	1782	205	217
115°	364	2294	364	2294	364	360
125°	506	1827	506	1827	506	450
135°	604	1418	604	1418	604	467
145°	700	1150	700	1150	700	439
155°	791	990	791	990	791	364
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°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1527.0	1527.0	1535.6	1538.5	1538.5	1534.2	1529.9	1534.2	1547.1	1551.4	1550.0
5°	1521.3	1532.8	1548.5	1551.4	1554.3	1552.8	1550.0	1552.8	1567.2	1570.0	1571.5
7.5°	1509.9	1531.3	1551.4	1555.7	1560.0	1555.7	1554.3	1557.1	1571.5	1574.3	1574.3
10°	1495.5	1525.6	1548.5	1551.4	1555.7	1551.4	1551.4	1557.1	1571.5	1574.3	1575.8
12.5°	1475.5	1517.0	1538.5	1541.4	1547.1	1545.7	1544.2	1550.0	1564.3	1567.2	1567.2
15°	1452.6	1501.3	1521.3	1524.2	1534.2	1531.3	1531.3	1537.1	1552.8	1557.1	1555.7
17.5°	1421.0	1481.2	1504.1	1508.4	1515.6	1514.2	1515.6	1521.3	1535.6	1538.5	1539.9
20°	1385.2	1454.0	1481.2	1485.5	1492.7	1492.7	1492.7	1499.8	1514.2	1519.9	1519.9
22.5°	1336.5	1425.3	1454.0	1456.9	1465.4	1465.4	1468.3	1478.3	1491.2	1492.7	1492.7
25°	1279.2	1393.8	1418.2	1426.8	1435.4	1439.7	1444.0	1449.7	1454.0	1452.6	1454.0
27.5°	1219.1	1353.7	1385.2	1391.0	1402.4	1406.7	1412.4	1413.9	1415.3	1419.6	1416.7
30°	1151.7	1297.8	1345.1	1350.8	1369.5	1372.3	1366.6	1369.5	1376.6	1379.5	1382.4
32.5°	1075.8	1214.8	1303.6	1316.5	1333.7	1325.1	1323.6	1327.9	1339.4	1339.4	1342.3
35°	972.7	1150.3	1264.9	1276.4	1289.2	1279.2	1285.0	1286.4	1293.5	1297.8	1296.4
37.5°	859.5	1094.4	1224.8	1233.4	1243.4	1230.5	1239.1	1243.4	1249.1	1246.3	1246.3
40°	759.2	1007.0	1177.5	1183.2	1191.8	1181.8	1190.4	1193.3	1196.1	1193.3	1191.8
42.5°	684.7	911.1	1127.4	1134.5	1128.8	1136.0	1138.8	1144.6	1140.3	1134.5	1134.5
45°	627.4	885.3	1072.9	1081.5	1072.9	1084.4	1088.7	1088.7	1075.8	1072.9	1071.5
47.5°	608.8	833.7	1018.5	1018.5	1014.2	1028.5	1035.7	1025.7	1012.8	1008.5	1008.5
50°	607.4	776.4	944.0	938.3	958.3	975.5	968.4	958.3	948.3	932.6	932.6
52.5°	551.5	706.2	848.0	869.5	901.0	911.1	899.6	889.6	872.4	865.2	859.5
55°	511.4	633.2	760.7	803.6	836.6	849.5	828.0	818.0	792.2	787.9	785.0
57.5°	502.8	527.2	680.4	734.9	775.0	773.6	760.7	742.0	720.5	716.2	714.8
60°	461.3	381.0	594.5	658.9	700.5	696.2	684.7	667.5	647.5	644.6	641.8
62.5°	418.3	276.5	497.1	570.1	628.9	627.4	617.4	591.6	577.3	570.1	564.4
65°	355.3	232.1	353.8	474.2	558.7	561.5	540.1	521.4	505.7	497.1	495.6
67.5°	270.7	189.1	239.2	395.4	491.3	488.5	461.3	452.7	432.6	428.3	419.7
70°	200.5	126.1	166.2	320.9	425.5	418.3	396.8	386.8	368.2	358.1	352.4
72.5°	166.2	101.7	121.8	249.3	358.1	349.5	330.9	319.4	303.7	295.1	289.4
75°	134.7	107.4	93.1	184.8	290.8	285.1	267.9	256.4	243.5	232.1	233.5
77.5°	98.8	100.3	74.5	136.1	230.6	222.0	212.0	197.7	192.0	180.5	180.5
80°	74.5	78.8	55.9	93.1	166.2	166.2	157.6	147.5	137.5	131.8	131.8
82.5°	50.1	50.1	41.5	58.7	113.2	108.9	103.1	100.3	94.5	91.7	91.7
85°	22.9	28.6	25.8	35.8	61.6	64.5	64.5	61.6	60.2	57.3	58.7
87.5°	7.2	12.9	15.8	20.1	31.5	32.9	34.4	34.4	34.4	35.8	35.8
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°	23.9	64.4	104.9	115.0	161.7	223.9	255.0	223.5	160.4	113.2	108.7
95°	57.2	131.3	205.5	224.0	397.9	629.5	745.4	665.2	504.6	384.3	370.6
97.5°	98.9	164.4	229.8	246.1	535.9	922.2	1115.4	1064.7	963.3	887.2	861.2
100°	131.1	190.4	249.7	264.5	586.1	1014.8	1229.2	1232.9	1240.4	1245.9	1215.0
102.5°	158.5	213.9	269.2	283.1	609.2	1044.0	1261.4	1326.0	1455.2	1552.2	1525.7
105°	204.9	251.8	298.7	310.5	626.3	1047.3	1257.8	1402.7	1692.4	1909.6	1895.4
107.5°	252.6	296.3	340.1	351.0	629.4	1000.6	1186.3	1388.4	1792.4	2095.6	2099.0
110°	284.8	324.2	363.8	373.6	624.7	959.4	1126.7	1352.6	1804.4	2143.2	2158.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	316.4	354.0	391.6	401.0	624.9	923.3	1072.5	1303.7	1766.1	2112.8	2135.6
115°	364.0	398.7	433.4	442.1	630.6	881.8	1007.5	1230.2	1675.7	2009.8	2041.4
117.5°	411.1	442.6	474.2	482.0	642.2	856.0	962.8	1163.9	1565.8	1867.3	1902.4
120°	438.5	468.2	497.8	505.3	651.9	847.3	945.0	1128.6	1495.9	1771.4	1805.4
122.5°	465.4	495.3	525.2	532.7	665.5	842.7	931.3	1096.7	1427.4	1675.5	1709.1
125°	506.4	533.7	561.1	567.8	684.1	839.0	916.4	1056.9	1337.9	1548.6	1579.6
127.5°	539.9	567.4	595.0	601.8	702.5	836.8	903.9	1024.5	1265.8	1446.7	1472.8
130°	557.7	587.4	617.0	624.5	716.1	838.1	899.1	1006.5	1221.3	1382.4	1406.4
132.5°	576.2	605.9	635.5	642.9	726.9	839.0	894.9	991.1	1183.3	1327.5	1349.1
135°	603.6	630.6	657.6	664.4	738.9	838.1	887.8	968.3	1129.3	1250.1	1268.7
137.5°	631.5	658.3	685.1	691.8	756.7	843.4	886.6	954.7	1090.8	1192.9	1208.1
140°	654.8	679.5	704.1	710.2	767.6	844.1	882.4	941.2	1058.8	1147.0	1161.2
142.5°	672.7	695.5	718.3	724.0	776.8	847.2	882.4	934.1	1037.3	1114.8	1127.0
145°	700.1	720.0	739.8	744.8	788.7	847.3	876.5	918.7	1003.2	1066.5	1075.8
147.5°	727.5	746.8	766.1	771.0	806.1	853.0	876.5	909.7	976.2	1026.1	1033.7
150°	745.4	762.9	780.3	784.7	815.3	856.1	876.5	904.6	960.6	1002.8	1009.0
152.5°	763.9	777.2	790.4	793.7	821.3	858.1	876.5	900.5	948.4	984.3	989.0
155°	791.3	801.1	810.8	813.3	834.4	862.5	876.5	895.6	933.7	962.3	965.4
157.5°	811.6	821.1	830.6	833.0	847.5	866.9	876.5	891.3	921.0	943.3	945.4
160°	825.2	832.7	840.1	841.9	853.5	868.9	876.5	889.2	914.6	933.7	934.9
162.5°	839.0	844.5	850.0	851.5	859.8	871.0	876.5	887.2	908.7	924.7	925.9
165°	853.9	858.8	863.9	865.1	869.0	874.0	876.5	884.1	899.5	911.1	912.3
167.5°	867.5	869.9	872.3	872.9	876.0	880.3	882.4	887.5	897.5	905.1	905.6
170°	876.5	878.9	881.3	881.8	882.0	882.3	882.4	887.5	897.5	905.1	905.1
172.5°	881.3	881.8	882.3	882.4	882.4	882.4	882.4	886.4	894.4	900.3	899.8
175°	887.8	887.8	887.8	887.8	886.0	883.6	882.4	884.9	890.0	893.8	893.8
177.5°	887.8	887.8	887.8	887.8	886.4	884.6	883.7	885.7	889.6	892.5	892.0
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1552.8	1548.5	1552.8	1550.0	1551.4	1547.1	1534.2	1529.9	1534.2	1538.5	1538.5
5°	1571.5	1568.6	1571.5	1571.5	1570.0	1567.2	1552.8	1550.0	1552.8	1554.3	1551.4
7.5°	1577.2	1572.9	1577.2	1574.3	1574.3	1571.5	1557.1	1554.3	1555.7	1560.0	1555.7
10°	1577.2	1572.9	1577.2	1575.8	1574.3	1571.5	1557.1	1551.4	1551.4	1555.7	1551.4
12.5°	1570.0	1567.2	1570.0	1567.2	1567.2	1564.3	1550.0	1544.2	1545.7	1547.1	1541.4
15°	1558.6	1554.3	1558.6	1555.7	1557.1	1552.8	1537.1	1531.3	1531.3	1534.2	1524.2
17.5°	1541.4	1535.6	1541.4	1539.9	1538.5	1535.6	1521.3	1515.6	1514.2	1515.6	1508.4
20°	1521.3	1517.0	1521.3	1519.9	1519.9	1514.2	1499.8	1492.7	1492.7	1492.7	1485.5
22.5°	1489.8	1485.5	1489.8	1492.7	1492.7	1491.2	1478.3	1468.3	1465.4	1465.4	1456.9
25°	1454.0	1449.7	1454.0	1454.0	1452.6	1454.0	1449.7	1444.0	1439.7	1435.4	1426.8
27.5°	1419.6	1416.7	1419.6	1416.7	1419.6	1415.3	1413.9	1412.4	1406.7	1402.4	1391.0
30°	1385.2	1382.4	1385.2	1382.4	1379.5	1376.6	1369.5	1366.6	1372.3	1369.5	1350.8
32.5°	1342.3	1339.4	1342.3	1342.3	1339.4	1339.4	1327.9	1323.6	1325.1	1333.7	1316.5
35°	1297.8	1293.5	1297.8	1296.4	1297.8	1293.5	1286.4	1285.0	1279.2	1289.2	1276.4
37.5°	1246.3	1242.0	1246.3	1246.3	1246.3	1249.1	1243.4	1239.1	1230.5	1243.4	1233.4
40°	1193.3	1187.5	1193.3	1191.8	1193.3	1196.1	1193.3	1190.4	1181.8	1191.8	1183.2
42.5°	1133.1	1131.7	1133.1	1134.5	1134.5	1140.3	1144.6	1138.8	1136.0	1128.8	1134.5
45°	1068.6	1065.8	1068.6	1071.5	1072.9	1075.8	1088.7	1088.7	1084.4	1072.9	1081.5
47.5°	999.9	992.7	999.9	1008.5	1008.5	1012.8	1025.7	1035.7	1028.5	1014.2	1018.5
50°	926.8	928.3	926.8	932.6	932.6	948.3	958.3	968.4	975.5	958.3	938.3
52.5°	855.2	853.8	855.2	859.5	865.2	872.4	889.6	899.6	911.1	901.0	869.5
55°	783.6	786.4	783.6	785.0	787.9	792.2	818.0	828.0	849.5	836.6	803.6
57.5°	712.0	707.7	712.0	714.8	716.2	720.5	742.0	760.7	773.6	775.0	734.9
60°	628.9	623.1	628.9	641.8	644.6	647.5	667.5	684.7	696.2	700.5	658.9
62.5°	555.8	545.8	555.8	564.4	570.1	577.3	591.6	617.4	627.4	628.9	570.1
65°	478.5	474.2	478.5	495.6	497.1	505.7	521.4	540.1	561.5	558.7	474.2
67.5°	408.3	408.3	408.3	419.7	428.3	432.6	452.7	461.3	488.5	491.3	395.4
70°	343.8	342.4	343.8	352.4	358.1	368.2	386.8	396.8	418.3	425.5	320.9
72.5°	282.2	280.8	282.2	289.4	295.1	303.7	319.4	330.9	349.5	358.1	249.3
75°	227.8	224.9	227.8	233.5	232.1	243.5	256.4	267.9	285.1	290.8	184.8
77.5°	174.8	174.8	174.8	180.5	180.5	192.0	197.7	212.0	222.0	230.6	136.1
80°	130.4	128.9	130.4	131.8	131.8	137.5	147.5	157.6	166.2	166.2	93.1
82.5°	91.7	88.8	91.7	91.7	91.7	94.5	100.3	103.1	108.9	113.2	58.7
85°	57.3	57.3	57.3	58.7	57.3	60.2	61.6	64.5	64.5	61.6	35.8
87.5°	37.2	35.8	37.2	35.8	35.8	34.4	34.4	34.4	32.9	31.5	20.1
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	223.5	255.0	223.9	161.7	115.0
95°	316.1	261.6	316.1	370.6	384.3	504.6	665.2	745.4	629.5	397.9	224.0
97.5°	757.4	653.6	757.4	861.2	887.2	963.3	1064.7	1115.4	922.2	535.9	246.1
100°	1091.3	967.6	1091.3	1215.0	1245.9	1240.4	1232.9	1229.2	1014.8	586.1	264.5
102.5°	1419.7	1313.8	1419.7	1525.7	1552.2	1455.2	1326.0	1261.4	1044.0	609.2	283.1
105°	1838.5	1781.6	1838.5	1895.4	1909.6	1692.4	1402.7	1257.8	1047.3	626.3	310.5
107.5°	2112.8	2126.6	2112.8	2099.0	2095.6	1792.4	1388.4	1186.3	1000.6	629.4	351.0
110°	2217.4	2276.7	2217.4	2158.0	2143.2	1804.4	1352.6	1126.7	959.4	624.7	373.6

TEST NUMBER: P935203

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2226.7	2317.8	2226.7	2135.6	2112.8	1766.1	1303.7	1072.5	923.3	624.9	401.0
115°	2167.7	2294.0	2167.7	2041.4	2009.8	1675.7	1230.2	1007.5	881.8	630.6	442.1
117.5°	2042.5	2182.6	2042.5	1902.4	1867.3	1565.8	1163.9	962.8	856.0	642.2	482.0
120°	1941.6	2077.7	1941.6	1805.4	1771.4	1495.9	1128.6	945.0	847.3	651.9	505.3
122.5°	1843.3	1977.6	1843.3	1709.1	1675.5	1427.4	1096.7	931.3	842.7	665.5	532.7
125°	1703.1	1826.8	1703.1	1579.6	1548.6	1337.9	1056.9	916.4	839.0	684.1	567.8
127.5°	1577.2	1681.5	1577.2	1472.8	1446.7	1265.8	1024.5	903.9	836.8	702.5	601.8
130°	1502.9	1599.2	1502.9	1406.4	1382.4	1221.3	1006.5	899.1	838.1	716.1	624.5
132.5°	1435.5	1521.8	1435.5	1349.1	1327.5	1183.3	991.1	894.9	839.0	726.9	642.9
135°	1343.1	1417.5	1343.1	1268.7	1250.1	1129.3	968.3	887.8	838.1	738.9	664.4
137.5°	1269.0	1329.9	1269.0	1208.1	1192.9	1090.8	954.7	886.6	843.4	756.7	691.8
140°	1218.2	1275.1	1218.2	1161.2	1147.0	1058.8	941.2	882.4	844.1	767.6	710.2
142.5°	1176.1	1225.1	1176.1	1127.0	1114.8	1037.3	934.1	882.4	847.2	776.8	724.0
145°	1113.0	1150.0	1113.0	1075.8	1066.5	1003.2	918.7	876.5	847.3	788.7	744.8
147.5°	1064.4	1095.2	1064.4	1033.7	1026.1	976.2	909.7	876.5	853.0	806.1	771.0
150°	1033.9	1058.8	1033.9	1009.0	1002.8	960.6	904.6	876.5	856.1	815.3	784.7
152.5°	1007.8	1026.6	1007.8	989.0	984.3	948.4	900.5	876.5	858.1	821.3	793.7
155°	977.8	990.2	977.8	965.4	962.3	933.7	895.6	876.5	862.5	834.4	813.3
157.5°	954.1	962.8	954.1	945.4	943.3	921.0	891.3	876.5	866.9	847.5	833.0
160°	940.0	945.0	940.0	934.9	933.7	914.6	889.2	876.5	868.9	853.5	841.9
162.5°	930.6	935.4	930.6	925.9	924.7	908.7	887.2	876.5	871.0	859.8	851.5
165°	917.4	922.3	917.4	912.3	911.1	899.5	884.1	876.5	874.0	869.0	865.1
167.5°	907.7	909.8	907.7	905.6	905.1	897.5	887.5	882.4	880.3	876.0	872.9
170°	905.1	905.1	905.1	905.1	905.1	897.5	887.5	882.4	882.3	882.0	881.8
172.5°	898.0	896.2	898.0	899.8	900.3	894.4	886.4	882.4	882.4	882.4	882.4
175°	893.8	893.8	893.8	893.8	893.8	890.0	884.9	882.4	883.6	886.0	887.8
177.5°	889.9	887.8	889.9	892.0	892.5	889.6	885.7	883.7	884.6	886.4	887.8
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

TEST NUMBER: P935203

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1535.6	1527.0	1527.0	1512.7	1507.0	1502.7	1495.5	1474.0	1468.3	1462.6	1471.2
5°	1548.5	1532.8	1521.3	1495.5	1474.0	1465.4	1438.2	1386.7	1352.3	1326.5	1312.2
7.5°	1551.4	1531.3	1509.9	1469.7	1418.2	1395.3	1312.2	1217.6	1191.8	1168.9	1154.6
10°	1548.5	1525.6	1495.5	1435.4	1313.6	1273.5	1190.4	1128.8	1113.1	1108.8	1113.1
12.5°	1538.5	1517.0	1475.5	1375.2	1204.7	1177.5	1128.8	1093.0	1090.1	1097.3	1136.0
15°	1521.3	1501.3	1452.6	1295.0	1144.6	1124.5	1090.1	1077.2	1093.0	1143.1	1259.2
17.5°	1504.1	1481.2	1421.0	1216.2	1098.7	1084.4	1060.0	1085.8	1174.6	1242.0	1280.7
20°	1481.2	1454.0	1385.2	1158.9	1065.8	1052.9	1041.4	1157.5	1224.8	1249.1	1270.6
22.5°	1454.0	1425.3	1336.5	1118.8	1031.4	1021.4	1028.5	1197.6	1224.8	1242.0	1260.6
25°	1418.2	1393.8	1279.2	1087.3	1004.2	992.7	1019.9	1193.3	1209.0	1213.3	1250.6
27.5°	1385.2	1353.7	1219.1	1058.6	971.2	966.9	1027.1	1174.6	1186.1	1190.4	1230.5
30°	1345.1	1297.8	1151.7	1028.5	936.9	935.4	1028.5	1151.7	1148.9	1160.3	1200.4
32.5°	1303.6	1214.8	1075.8	991.3	903.9	902.5	1018.5	1117.4	1114.5	1130.2	1160.3
35°	1264.9	1150.3	972.7	948.3	862.4	863.8	994.2	1077.2	1078.7	1093.0	1111.6
37.5°	1224.8	1094.4	859.5	901.0	822.3	822.3	961.2	1040.0	1037.1	1041.4	1067.2
40°	1177.5	1007.0	759.2	839.4	785.0	780.7	921.1	999.9	989.9	988.4	1024.2
42.5°	1127.4	911.1	684.7	757.8	742.0	736.3	872.4	951.2	932.6	936.9	982.7
45°	1072.9	885.3	627.4	640.3	697.6	693.3	819.4	895.3	882.4	893.9	941.2
47.5°	1018.5	833.7	608.8	531.5	650.4	648.9	760.7	840.9	833.7	845.2	895.3
50°	944.0	776.4	607.4	455.5	597.4	603.1	690.5	787.9	787.9	797.9	850.9
52.5°	848.0	706.2	551.5	412.6	535.8	552.9	628.9	742.0	744.9	754.9	802.2
55°	760.7	633.2	511.4	379.6	462.7	499.9	568.7	694.8	700.5	710.5	753.5
57.5°	680.4	527.2	502.8	340.9	395.4	431.2	515.7	648.9	651.8	660.4	701.9
60°	594.5	381.0	461.3	299.4	336.6	363.9	467.0	594.5	604.5	610.2	646.1
62.5°	497.1	276.5	418.3	270.7	308.0	313.7	426.9	542.9	555.8	560.1	581.6
65°	353.8	232.1	355.3	246.4	277.9	279.3	383.9	489.9	501.4	508.5	524.3
67.5°	239.2	189.1	270.7	223.5	255.0	256.4	342.4	428.3	444.1	449.8	459.8
70°	166.2	126.1	200.5	199.1	229.2	232.1	298.0	372.4	386.8	391.1	396.8
72.5°	121.8	101.7	166.2	179.1	202.0	204.8	252.1	309.4	323.7	328.0	330.9
75°	93.1	107.4	134.7	156.1	171.9	173.3	206.3	252.1	262.1	265.0	266.4
77.5°	74.5	100.3	98.8	126.1	140.4	137.5	161.9	194.8	203.4	203.4	203.4
80°	55.9	78.8	74.5	90.2	103.1	100.3	116.0	139.0	141.8	144.7	143.2
82.5°	41.5	50.1	50.1	57.3	68.8	65.9	77.4	90.2	90.2	90.2	93.1
85°	25.8	28.6	22.9	30.1	38.7	37.2	43.0	48.7	50.1	50.1	47.3
87.5°	15.8	12.9	7.2	11.5	17.2	17.2	20.1	21.5	20.1	20.1	20.1
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	64.4	23.9	64.4	104.9	115.0	161.7	223.9	255.0	223.5	160.4
95°	205.5	131.3	57.2	131.3	205.5	224.0	397.9	629.5	745.4	665.2	504.6
97.5°	229.8	164.4	98.9	164.4	229.8	246.1	535.9	922.2	1115.4	1064.7	963.3
100°	249.7	190.4	131.1	190.4	249.7	264.5	586.1	1014.8	1229.2	1232.9	1240.4
102.5°	269.2	213.9	158.5	213.9	269.2	283.1	609.2	1044.0	1261.4	1326.0	1455.2
105°	298.7	251.8	204.9	251.8	298.7	310.5	626.3	1047.3	1257.8	1402.7	1692.4
107.5°	340.1	296.3	252.6	296.3	340.1	351.0	629.4	1000.6	1186.3	1388.4	1792.4
110°	363.8	324.2	284.8	324.2	363.8	373.6	624.7	959.4	1126.7	1352.6	1804.4

TEST NUMBER: P935203

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	391.6	354.0	316.4	354.0	391.6	401.0	624.9	923.3	1072.5	1303.7	1766.1
115°	433.4	398.7	364.0	398.7	433.4	442.1	630.6	881.8	1007.5	1230.2	1675.7
117.5°	474.2	442.6	411.1	442.6	474.2	482.0	642.2	856.0	962.8	1163.9	1565.8
120°	497.8	468.2	438.5	468.2	497.8	505.3	651.9	847.3	945.0	1128.6	1495.9
122.5°	525.2	495.3	465.4	495.3	525.2	532.7	665.5	842.7	931.3	1096.7	1427.4
125°	561.1	533.7	506.4	533.7	561.1	567.8	684.1	839.0	916.4	1056.9	1337.9
127.5°	595.0	567.4	539.9	567.4	595.0	601.8	702.5	836.8	903.9	1024.5	1265.8
130°	617.0	587.4	557.7	587.4	617.0	624.5	716.1	838.1	899.1	1006.5	1221.3
132.5°	635.5	605.9	576.2	605.9	635.5	642.9	726.9	839.0	894.9	991.1	1183.3
135°	657.6	630.6	603.6	630.6	657.6	664.4	738.9	838.1	887.8	968.3	1129.3
137.5°	685.1	658.3	631.5	658.3	685.1	691.8	756.7	843.4	886.6	954.7	1090.8
140°	704.1	679.5	654.8	679.5	704.1	710.2	767.6	844.1	882.4	941.2	1058.8
142.5°	718.3	695.5	672.7	695.5	718.3	724.0	776.8	847.2	882.4	934.1	1037.3
145°	739.8	720.0	700.1	720.0	739.8	744.8	788.7	847.3	876.5	918.7	1003.2
147.5°	766.1	746.8	727.5	746.8	766.1	771.0	806.1	853.0	876.5	909.7	976.2
150°	780.3	762.9	745.4	762.9	780.3	784.7	815.3	856.1	876.5	904.6	960.6
152.5°	790.4	777.2	763.9	777.2	790.4	793.7	821.3	858.1	876.5	900.5	948.4
155°	810.8	801.1	791.3	801.1	810.8	813.3	834.4	862.5	876.5	895.6	933.7
157.5°	830.6	821.1	811.6	821.1	830.6	833.0	847.5	866.9	876.5	891.3	921.0
160°	840.1	832.7	825.2	832.7	840.1	841.9	853.5	868.9	876.5	889.2	914.6
162.5°	850.0	844.5	839.0	844.5	850.0	851.5	859.8	871.0	876.5	887.2	908.7
165°	863.9	858.8	853.9	858.8	863.9	865.1	869.0	874.0	876.5	884.1	899.5
167.5°	872.3	869.9	867.5	869.9	872.3	872.9	876.0	880.3	882.4	887.5	897.5
170°	881.3	878.9	876.5	878.9	881.3	881.8	882.0	882.3	882.4	887.5	897.5
172.5°	882.3	881.8	881.3	881.8	882.3	882.4	882.4	882.4	882.4	886.4	894.4
175°	887.8	887.8	887.8	887.8	887.8	887.8	886.0	883.6	882.4	884.9	890.0
177.5°	887.8	887.8	887.8	887.8	887.8	887.8	886.4	884.6	883.7	885.7	889.6
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

TEST NUMBER: P935203

CATALOG NUMBER: SQ4-FA-100U-075D-B40-1D-UNV-W2A-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1461.1	1456.9	1462.6	1446.8	1462.6	1456.9	1461.1	1471.2	1462.6	1468.3	1474.0
5°	1282.1	1274.9	1252.0	1233.4	1252.0	1274.9	1282.1	1312.2	1326.5	1352.3	1386.7
7.5°	1146.0	1140.3	1134.5	1123.1	1134.5	1140.3	1146.0	1154.6	1168.9	1191.8	1217.6
10°	1115.9	1117.4	1125.9	1124.5	1125.9	1117.4	1115.9	1113.1	1108.8	1113.1	1128.8
12.5°	1193.3	1206.2	1253.4	1250.6	1253.4	1206.2	1193.3	1136.0	1097.3	1090.1	1093.0
15°	1282.1	1286.4	1296.4	1297.8	1296.4	1286.4	1282.1	1259.2	1143.1	1093.0	1077.2
17.5°	1290.7	1292.1	1299.3	1299.3	1299.3	1292.1	1290.7	1280.7	1242.0	1174.6	1085.8
20°	1283.5	1286.4	1300.7	1303.6	1300.7	1286.4	1283.5	1270.6	1249.1	1224.8	1157.5
22.5°	1280.7	1286.4	1297.8	1296.4	1297.8	1286.4	1280.7	1260.6	1242.0	1224.8	1197.6
25°	1266.3	1266.3	1267.8	1269.2	1267.8	1266.3	1266.3	1250.6	1213.3	1209.0	1193.3
27.5°	1236.2	1239.1	1247.7	1246.3	1247.7	1239.1	1236.2	1230.5	1190.4	1186.1	1174.6
30°	1209.0	1206.2	1199.0	1193.3	1199.0	1206.2	1209.0	1200.4	1160.3	1148.9	1151.7
32.5°	1163.2	1156.0	1148.9	1144.6	1148.9	1156.0	1163.2	1160.3	1130.2	1114.5	1117.4
35°	1108.8	1110.2	1108.8	1104.5	1108.8	1110.2	1108.8	1111.6	1093.0	1078.7	1077.2
37.5°	1070.1	1072.9	1071.5	1065.8	1071.5	1072.9	1070.1	1067.2	1041.4	1037.1	1040.0
40°	1030.0	1031.4	1030.0	1025.7	1030.0	1031.4	1030.0	1024.2	988.4	989.9	999.9
42.5°	991.3	989.9	985.6	982.7	985.6	989.9	991.3	982.7	936.9	932.6	951.2
45°	946.9	948.3	939.7	935.4	939.7	948.3	946.9	941.2	893.9	882.4	895.3
47.5°	902.5	902.5	895.3	891.0	895.3	902.5	902.5	895.3	845.2	833.7	840.9
50°	855.2	853.8	843.7	842.3	843.7	853.8	855.2	850.9	797.9	787.9	787.9
52.5°	800.8	800.8	802.2	805.1	802.2	800.8	800.8	802.2	754.9	744.9	742.0
55°	753.5	754.9	765.0	767.8	765.0	754.9	753.5	753.5	710.5	700.5	694.8
57.5°	704.8	704.8	712.0	712.0	712.0	704.8	704.8	701.9	660.4	651.8	648.9
60°	648.9	651.8	657.5	656.1	657.5	651.8	648.9	646.1	610.2	604.5	594.5
62.5°	590.2	593.1	594.5	591.6	594.5	593.1	590.2	581.6	560.1	555.8	542.9
65°	528.6	531.5	532.9	530.0	532.9	531.5	528.6	524.3	508.5	501.4	489.9
67.5°	465.6	464.1	462.7	468.4	462.7	464.1	465.6	459.8	449.8	444.1	428.3
70°	401.1	401.1	399.7	402.5	399.7	401.1	401.1	396.8	391.1	386.8	372.4
72.5°	332.3	330.9	336.6	332.3	336.6	330.9	332.3	330.9	328.0	323.7	309.4
75°	265.0	267.9	265.0	269.3	265.0	267.9	265.0	266.4	265.0	262.1	252.1
77.5°	202.0	204.8	202.0	202.0	202.0	204.8	202.0	203.4	203.4	203.4	194.8
80°	143.2	141.8	141.8	140.4	141.8	141.8	143.2	143.2	144.7	141.8	139.0
82.5°	91.7	90.2	90.2	93.1	90.2	90.2	91.7	93.1	90.2	90.2	90.2
85°	50.1	51.6	48.7	48.7	48.7	51.6	50.1	47.3	50.1	50.1	48.7
87.5°	18.6	17.2	17.2	17.2	17.2	17.2	18.6	20.1	20.1	20.1	21.5
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	223.5	255.0	223.9
95°	384.3	370.6	316.1	261.6	316.1	370.6	384.3	504.6	665.2	745.4	629.5
97.5°	887.2	861.2	757.4	653.6	757.4	861.2	887.2	963.3	1064.7	1115.4	922.2
100°	1245.9	1215.0	1091.3	967.6	1091.3	1215.0	1245.9	1240.4	1232.9	1229.2	1014.8
102.5°	1552.2	1525.7	1419.7	1313.8	1419.7	1525.7	1552.2	1455.2	1326.0	1261.4	1044.0
105°	1909.6	1895.4	1838.5	1781.6	1838.5	1895.4	1909.6	1692.4	1402.7	1257.8	1047.3
107.5°	2095.6	2099.0	2112.8	2126.6	2112.8	2099.0	2095.6	1792.4	1388.4	1186.3	1000.6
110°	2143.2	2158.0	2217.4	2276.7	2217.4	2158.0	2143.2	1804.4	1352.6	1126.7	959.4

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2112.8	2135.6	2226.7	2317.8	2226.7	2135.6	2112.8	1766.1	1303.7	1072.5	923.3
115°	2009.8	2041.4	2167.7	2294.0	2167.7	2041.4	2009.8	1675.7	1230.2	1007.5	881.8
117.5°	1867.3	1902.4	2042.5	2182.6	2042.5	1902.4	1867.3	1565.8	1163.9	962.8	856.0
120°	1771.4	1805.4	1941.6	2077.7	1941.6	1805.4	1771.4	1495.9	1128.6	945.0	847.3
122.5°	1675.5	1709.1	1843.3	1977.6	1843.3	1709.1	1675.5	1427.4	1096.7	931.3	842.7
125°	1548.6	1579.6	1703.1	1826.8	1703.1	1579.6	1548.6	1337.9	1056.9	916.4	839.0
127.5°	1446.7	1472.8	1577.2	1681.5	1577.2	1472.8	1446.7	1265.8	1024.5	903.9	836.8
130°	1382.4	1406.4	1502.9	1599.2	1502.9	1406.4	1382.4	1221.3	1006.5	899.1	838.1
132.5°	1327.5	1349.1	1435.5	1521.8	1435.5	1349.1	1327.5	1183.3	991.1	894.9	839.0
135°	1250.1	1268.7	1343.1	1417.5	1343.1	1268.7	1250.1	1129.3	968.3	887.8	838.1
137.5°	1192.9	1208.1	1269.0	1329.9	1269.0	1208.1	1192.9	1090.8	954.7	886.6	843.4
140°	1147.0	1161.2	1218.2	1275.1	1218.2	1161.2	1147.0	1058.8	941.2	882.4	844.1
142.5°	1114.8	1127.0	1176.1	1225.1	1176.1	1127.0	1114.8	1037.3	934.1	882.4	847.2
145°	1066.5	1075.8	1113.0	1150.0	1113.0	1075.8	1066.5	1003.2	918.7	876.5	847.3
147.5°	1026.1	1033.7	1064.4	1095.2	1064.4	1033.7	1026.1	976.2	909.7	876.5	853.0
150°	1002.8	1009.0	1033.9	1058.8	1033.9	1009.0	1002.8	960.6	904.6	876.5	856.1
152.5°	984.3	989.0	1007.8	1026.6	1007.8	989.0	984.3	948.4	900.5	876.5	858.1
155°	962.3	965.4	977.8	990.2	977.8	965.4	962.3	933.7	895.6	876.5	862.5
157.5°	943.3	945.4	954.1	962.8	954.1	945.4	943.3	921.0	891.3	876.5	866.9
160°	933.7	934.9	940.0	945.0	940.0	934.9	933.7	914.6	889.2	876.5	868.9
162.5°	924.7	925.9	930.6	935.4	930.6	925.9	924.7	908.7	887.2	876.5	871.0
165°	911.1	912.3	917.4	922.3	917.4	912.3	911.1	899.5	884.1	876.5	874.0
167.5°	905.1	905.6	907.7	909.8	907.7	905.6	905.1	897.5	887.5	882.4	880.3
170°	905.1	905.1	905.1	905.1	905.1	905.1	905.1	897.5	887.5	882.4	882.3
172.5°	900.3	899.8	898.0	896.2	898.0	899.8	900.3	894.4	886.4	882.4	882.4
175°	893.8	893.8	893.8	893.8	893.8	893.8	893.8	890.0	884.9	882.4	883.6
177.5°	892.5	892.0	889.9	887.8	889.9	892.0	892.5	889.6	885.7	883.7	884.6
180°	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8	887.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1514.2	1514.2	1514.2	1514.2	1514.2
2.5°	1495.5	1502.7	1507.0	1512.7	1527.0
5°	1438.2	1465.4	1474.0	1495.5	1521.3
7.5°	1312.2	1395.3	1418.2	1469.7	1509.9
10°	1190.4	1273.5	1313.6	1435.4	1495.5
12.5°	1128.8	1177.5	1204.7	1375.2	1475.5
15°	1090.1	1124.5	1144.6	1295.0	1452.6
17.5°	1060.0	1084.4	1098.7	1216.2	1421.0
20°	1041.4	1052.9	1065.8	1158.9	1385.2
22.5°	1028.5	1021.4	1031.4	1118.8	1336.5
25°	1019.9	992.7	1004.2	1087.3	1279.2
27.5°	1027.1	966.9	971.2	1058.6	1219.1
30°	1028.5	935.4	936.9	1028.5	1151.7
32.5°	1018.5	902.5	903.9	991.3	1075.8
35°	994.2	863.8	862.4	948.3	972.7
37.5°	961.2	822.3	822.3	901.0	859.5
40°	921.1	780.7	785.0	839.4	759.2
42.5°	872.4	736.3	742.0	757.8	684.7
45°	819.4	693.3	697.6	640.3	627.4
47.5°	760.7	648.9	650.4	531.5	608.8
50°	690.5	603.1	597.4	455.5	607.4
52.5°	628.9	552.9	535.8	412.6	551.5
55°	568.7	499.9	462.7	379.6	511.4
57.5°	515.7	431.2	395.4	340.9	502.8
60°	467.0	363.9	336.6	299.4	461.3
62.5°	426.9	313.7	308.0	270.7	418.3
65°	383.9	279.3	277.9	246.4	355.3
67.5°	342.4	256.4	255.0	223.5	270.7
70°	298.0	232.1	229.2	199.1	200.5
72.5°	252.1	204.8	202.0	179.1	166.2
75°	206.3	173.3	171.9	156.1	134.7
77.5°	161.9	137.5	140.4	126.1	98.8
80°	116.0	100.3	103.1	90.2	74.5
82.5°	77.4	65.9	68.8	57.3	50.1
85°	43.0	37.2	38.7	30.1	22.9
87.5°	20.1	17.2	17.2	11.5	7.2
90°	26.3	16.7	15.5	10.7	5.9
92.5°	161.7	115.0	104.9	64.4	23.9
95°	397.9	224.0	205.5	131.3	57.2
97.5°	535.9	246.1	229.8	164.4	98.9
100°	586.1	264.5	249.7	190.4	131.1
102.5°	609.2	283.1	269.2	213.9	158.5
105°	626.3	310.5	298.7	251.8	204.9
107.5°	629.4	351.0	340.1	296.3	252.6
110°	624.7	373.6	363.8	324.2	284.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	624.9	401.0	391.6	354.0	316.4
115°	630.6	442.1	433.4	398.7	364.0
117.5°	642.2	482.0	474.2	442.6	411.1
120°	651.9	505.3	497.8	468.2	438.5
122.5°	665.5	532.7	525.2	495.3	465.4
125°	684.1	567.8	561.1	533.7	506.4
127.5°	702.5	601.8	595.0	567.4	539.9
130°	716.1	624.5	617.0	587.4	557.7
132.5°	726.9	642.9	635.5	605.9	576.2
135°	738.9	664.4	657.6	630.6	603.6
137.5°	756.7	691.8	685.1	658.3	631.5
140°	767.6	710.2	704.1	679.5	654.8
142.5°	776.8	724.0	718.3	695.5	672.7
145°	788.7	744.8	739.8	720.0	700.1
147.5°	806.1	771.0	766.1	746.8	727.5
150°	815.3	784.7	780.3	762.9	745.4
152.5°	821.3	793.7	790.4	777.2	763.9
155°	834.4	813.3	810.8	801.1	791.3
157.5°	847.5	833.0	830.6	821.1	811.6
160°	853.5	841.9	840.1	832.7	825.2
162.5°	859.8	851.5	850.0	844.5	839.0
165°	869.0	865.1	863.9	858.8	853.9
167.5°	876.0	872.9	872.3	869.9	867.5
170°	882.0	881.8	881.3	878.9	876.5
172.5°	882.4	882.4	882.3	881.8	881.3
175°	886.0	887.8	887.8	887.8	887.8
177.5°	886.4	887.8	887.8	887.8	887.8
180°	887.8	887.8	887.8	887.8	887.8

(END OF REPORT)