

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: P935100

Luminaire Tested: SQ4-FA-100U-050D-B35-1D-UNV-W2A-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935100
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-B35-1D-UNV-W2A-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

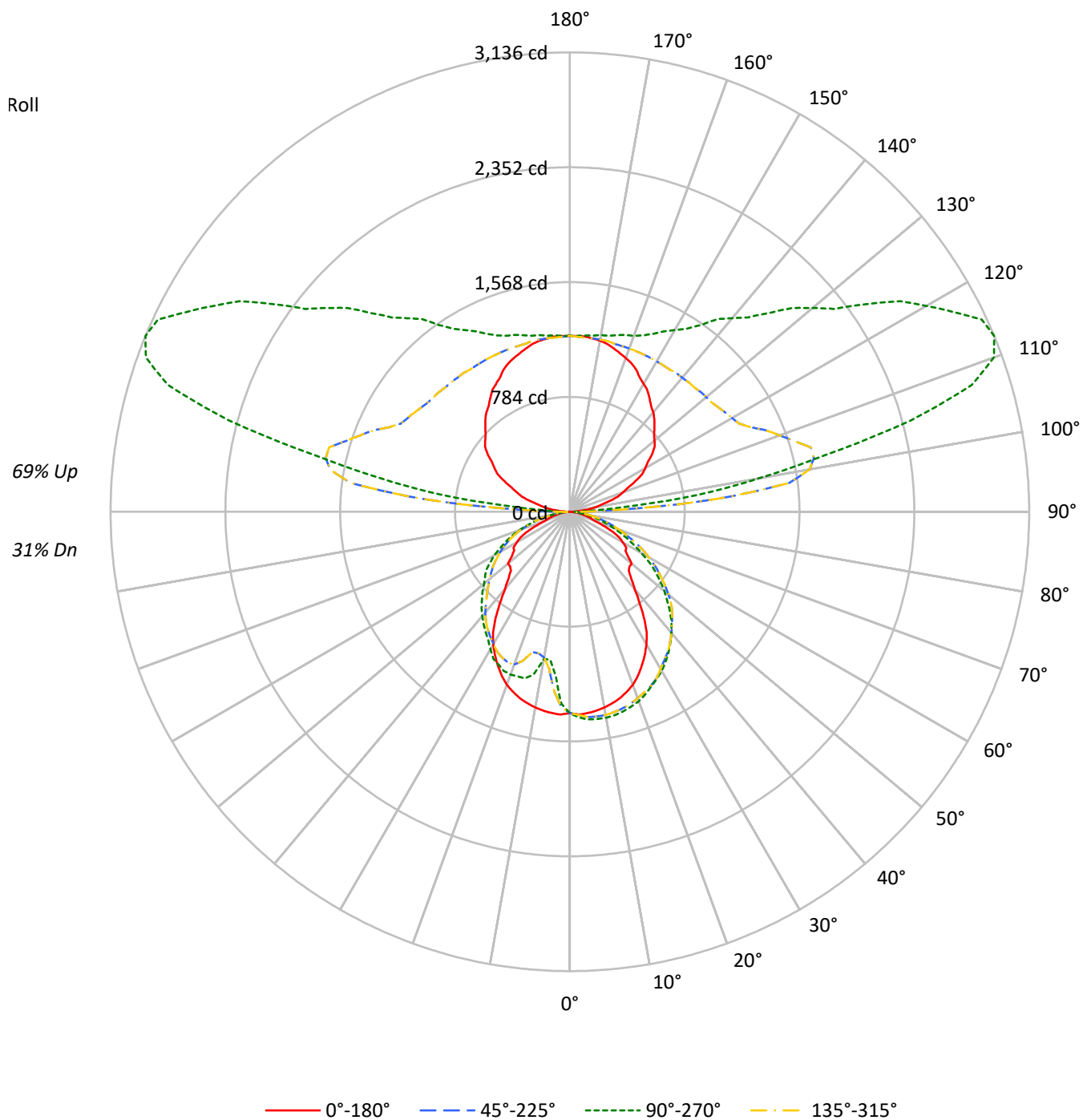
Lumens per Lamp: N/A
Luminaire Lumens: 11352.8 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 82.4
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6374	6374	6374	6374
5°	6422	6434	6422	5059
10°	6379	6338	6379	4531
15°	6309	6201	6309	5177
20°	6177	6038	6177	5189
25°	5907	5801	5907	5079
30°	5558	5604	5558	4837
35°	4955	5355	4955	4571
40°	4129	5061	4129	4371
45°	3689	4718	3689	4141
50°	3919	4309	3919	3910
55°	3687	3868	3687	3775
60°	3801	3285	3801	3458
65°	3446	2715	3446	3035
70°	2387	2164	2387	2544
75°	2093	1600	2093	1916
80°	1684	1058	1684	1151
85°	969	560	969	476

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5654 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	1.1
10°-20°	352.1	3.1
20°-30°	544.3	4.8
30°-40°	649.8	5.7
40°-50°	653.6	5.8
50°-60°	568.7	5.0
60°-70°	403.2	3.6
70°-80°	213.3	1.9
80°-90°	57.7	0.5
90°-100°	585.5	5.2
100°-110°	1539.2	13.6
110°-120°	1596.0	14.1
120°-130°	1280.2	11.3
130°-140°	1004.5	8.8
140°-150°	771.0	6.8
150°-160°	555.2	4.9
160°-170°	339.7	3.0
170°-180°	114.8	1.0
0°-30°	1020.4	9.0
0°-40°	1670.1	14.7
0°-60°	2892.4	25.5
0°-90°	3566.6	31.4
90°-120°	3720.7	32.8
90°-150°	6776.4	59.7
90°-180°	7786.0	68.6
0°-180°	11352.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1374	1374	1374	1374	1374	
5°	1380	1423	1380	1119	1380	131
15°	1318	1410	1318	1178	1318	371
25°	1161	1315	1161	1152	1161	533
35°	882	1174	882	1002	882	546
45°	569	967	569	849	569	456
55°	464	714	464	697	464	426
65°	322	430	322	481	322	308
75°	122	204	122	244	122	128
85°	21	52	21	44	21	28
90°	8	31	8	31	8	8
95°	77	354	77	354	77	86
105°	277	2410	277	2410	277	294
115°	492	3104	492	3104	492	486
125°	685	2472	685	2472	685	608
135°	817	1918	817	1918	817	632
145°	947	1556	947	1556	947	593
155°	1070	1340	1070	1340	1070	492
165°	1155	1248	1155	1248	1155	326
175°	1201	1209	1201	1209	1201	114
180°	1201	1201	1201	1201	1201	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1385.5	1385.5	1393.3	1395.9	1395.9	1392.0	1388.1	1392.0	1403.7	1407.6	1406.3
5°	1380.3	1390.7	1405.0	1407.6	1410.2	1408.9	1406.3	1408.9	1421.9	1424.5	1425.8
7.5°	1369.9	1389.4	1407.6	1411.5	1415.4	1411.5	1410.2	1412.8	1425.8	1428.4	1428.4
10°	1356.9	1384.2	1405.0	1407.6	1411.5	1407.6	1407.6	1412.8	1425.8	1428.4	1429.7
12.5°	1338.7	1376.4	1395.9	1398.5	1403.7	1402.4	1401.1	1406.3	1419.3	1421.9	1421.9
15°	1317.9	1362.1	1380.3	1382.9	1392.0	1389.4	1389.4	1394.6	1408.9	1412.8	1411.5
17.5°	1289.4	1343.9	1364.7	1368.6	1375.1	1373.8	1375.1	1380.3	1393.3	1395.9	1397.2
20°	1256.8	1319.2	1343.9	1347.8	1354.3	1354.3	1354.3	1360.8	1373.8	1379.0	1379.0
22.5°	1212.6	1293.2	1319.2	1321.8	1329.7	1329.7	1332.2	1341.3	1353.0	1354.3	1354.3
25°	1160.7	1264.6	1286.7	1294.5	1302.3	1306.2	1310.1	1315.3	1319.2	1317.9	1319.2
27.5°	1106.1	1228.2	1256.8	1262.0	1272.4	1276.4	1281.5	1282.9	1284.1	1288.0	1285.5
30°	1045.0	1177.5	1220.5	1225.7	1242.5	1245.2	1239.9	1242.5	1249.0	1251.7	1254.3
32.5°	976.1	1102.1	1182.8	1194.5	1210.1	1202.2	1201.0	1204.9	1215.2	1215.2	1217.8
35°	882.5	1043.7	1147.7	1158.1	1169.8	1160.7	1165.9	1167.2	1173.7	1177.5	1176.3
37.5°	779.9	993.0	1111.2	1119.1	1128.2	1116.5	1124.2	1128.2	1133.3	1130.7	1130.7
40°	688.9	913.7	1068.4	1073.6	1081.4	1072.3	1080.0	1082.7	1085.3	1082.7	1081.4
42.5°	621.2	826.7	1022.9	1029.4	1024.1	1030.7	1033.2	1038.5	1034.6	1029.4	1029.4
45°	569.3	803.2	973.5	981.3	973.5	983.9	987.8	987.8	976.1	973.5	972.2
47.5°	552.4	756.4	924.1	924.1	920.2	933.2	939.7	930.6	918.9	915.0	915.0
50°	551.1	704.5	856.5	851.4	869.5	885.1	878.6	869.5	860.4	846.1	846.1
52.5°	500.4	640.8	769.5	789.0	817.5	826.7	816.2	807.2	791.6	785.0	779.9
55°	464.0	574.5	690.1	729.2	759.0	770.7	751.3	742.2	718.7	714.8	712.2
57.5°	456.2	478.3	617.3	666.8	703.1	701.8	690.1	673.3	653.8	649.9	648.6
60°	418.5	345.7	539.3	597.9	635.6	631.7	621.2	605.6	587.5	584.9	582.3
62.5°	379.6	250.9	451.0	517.3	570.5	569.3	560.2	536.8	523.7	517.3	512.1
65°	322.3	210.6	321.0	430.2	506.9	509.5	490.0	473.1	458.8	451.0	449.7
67.5°	245.6	171.6	217.1	358.7	445.8	443.2	418.5	410.8	392.5	388.7	380.8
70°	182.0	114.3	150.8	291.2	386.0	379.6	360.0	351.0	334.0	324.9	319.8
72.5°	150.8	92.2	110.5	226.2	324.9	317.2	300.2	289.8	275.6	267.7	262.5
75°	122.2	97.5	84.5	167.6	263.9	258.6	243.0	232.7	220.9	210.6	211.8
77.5°	89.7	91.0	67.5	123.5	209.3	201.5	192.3	179.4	174.1	163.8	163.8
80°	67.5	71.5	50.7	84.5	150.8	150.8	142.9	133.9	124.8	119.6	119.6
82.5°	45.4	45.4	37.7	53.3	102.7	98.7	93.6	91.0	85.8	83.1	83.1
85°	20.8	26.0	23.4	32.5	55.9	58.5	58.5	55.9	54.6	52.0	53.3
87.5°	6.5	11.7	14.3	18.2	28.6	29.9	31.2	31.2	31.2	32.5	32.5
90°	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8	30.6	30.6
92.5°	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2	153.2	147.1
95°	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8	520.0	501.6
97.5°	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2	1200.3	1165.2
100°	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0	1685.6	1643.7
102.5°	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8	2099.9	2064.1
105°	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6	2583.5	2564.3
107.5°	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0	2835.0	2839.7
110°	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1	2899.5	2919.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3	2858.5	2889.3
115°	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1	2719.0	2761.7
117.5°	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4	2526.3	2573.7
120°	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9	2396.5	2442.6
122.5°	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1	2266.8	2312.2
125°	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0	2095.1	2136.9
127.5°	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4	1957.2	1992.5
130°	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2	1870.2	1902.7
132.5°	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9	1795.9	1825.1
135°	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8	1691.2	1716.4
137.5°	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7	1613.8	1634.4
140°	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5	1551.8	1571.0
142.5°	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4	1508.2	1524.8
145°	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2	1442.9	1455.4
147.5°	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7	1388.1	1398.5
150°	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7	1356.7	1365.1
152.5°	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1	1331.7	1338.1
155°	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2	1301.9	1306.0
157.5°	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9	1276.1	1279.0
160°	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4	1263.2	1264.9
162.5°	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3	1251.1	1252.7
165°	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0	1232.6	1234.3
167.5°	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3	1224.4	1225.1
170°	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3	1224.4	1224.4
172.5°	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0	1218.0	1217.5
175°	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0	1209.1	1209.1
177.5°	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5	1207.6	1206.9
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1408.9	1405.0	1408.9	1406.3	1407.6	1403.7	1392.0	1388.1	1392.0	1395.9	1395.9
5°	1425.8	1423.2	1425.8	1425.8	1424.5	1421.9	1408.9	1406.3	1408.9	1410.2	1407.6
7.5°	1431.0	1427.1	1431.0	1428.4	1428.4	1425.8	1412.8	1410.2	1411.5	1415.4	1411.5
10°	1431.0	1427.1	1431.0	1429.7	1428.4	1425.8	1412.8	1407.6	1407.6	1411.5	1407.6
12.5°	1424.5	1421.9	1424.5	1421.9	1421.9	1419.3	1406.3	1401.1	1402.4	1403.7	1398.5
15°	1414.1	1410.2	1414.1	1411.5	1412.8	1408.9	1394.6	1389.4	1389.4	1392.0	1382.9
17.5°	1398.5	1393.3	1398.5	1397.2	1395.9	1393.3	1380.3	1375.1	1373.8	1375.1	1368.6
20°	1380.3	1376.4	1380.3	1379.0	1379.0	1373.8	1360.8	1354.3	1354.3	1354.3	1347.8
22.5°	1351.8	1347.8	1351.8	1354.3	1354.3	1353.0	1341.3	1332.2	1329.7	1329.7	1321.8
25°	1319.2	1315.3	1319.2	1319.2	1317.9	1319.2	1315.3	1310.1	1306.2	1302.3	1294.5
27.5°	1288.0	1285.5	1288.0	1285.5	1288.0	1284.1	1282.9	1281.5	1276.4	1272.4	1262.0
30°	1256.8	1254.3	1256.8	1254.3	1251.7	1249.0	1242.5	1239.9	1245.2	1242.5	1225.7
32.5°	1217.8	1215.2	1217.8	1217.8	1215.2	1215.2	1204.9	1201.0	1202.2	1210.1	1194.5
35°	1177.5	1173.7	1177.5	1176.3	1177.5	1173.7	1167.2	1165.9	1160.7	1169.8	1158.1
37.5°	1130.7	1126.9	1130.7	1130.7	1130.7	1133.3	1128.2	1124.2	1116.5	1128.2	1119.1
40°	1082.7	1077.4	1082.7	1081.4	1082.7	1085.3	1082.7	1080.0	1072.3	1081.4	1073.6
42.5°	1028.1	1026.8	1028.1	1029.4	1029.4	1034.6	1038.5	1033.2	1030.7	1024.1	1029.4
45°	969.6	967.0	969.6	972.2	973.5	976.1	987.8	987.8	983.9	973.5	981.3
47.5°	907.2	900.7	907.2	915.0	915.0	918.9	930.6	939.7	933.2	920.2	924.1
50°	840.9	842.3	840.9	846.1	846.1	860.4	869.5	878.6	885.1	869.5	851.4
52.5°	776.0	774.6	776.0	779.9	785.0	791.6	807.2	816.2	826.7	817.5	789.0
55°	711.0	713.6	711.0	712.2	714.8	718.7	742.2	751.3	770.7	759.0	729.2
57.5°	645.9	642.1	645.9	648.6	649.9	653.8	673.3	690.1	701.8	703.1	666.8
60°	570.5	565.4	570.5	582.3	584.9	587.5	605.6	621.2	631.7	635.6	597.9
62.5°	504.3	495.2	504.3	512.1	517.3	523.7	536.8	560.2	569.3	570.5	517.3
65°	434.1	430.2	434.1	449.7	451.0	458.8	473.1	490.0	509.5	506.9	430.2
67.5°	370.4	370.4	370.4	380.8	388.7	392.5	410.8	418.5	443.2	445.8	358.7
70°	311.9	310.7	311.9	319.8	324.9	334.0	351.0	360.0	379.6	386.0	291.2
72.5°	256.0	254.8	256.0	262.5	267.7	275.6	289.8	300.2	317.2	324.9	226.2
75°	206.7	204.1	206.7	211.8	210.6	220.9	232.7	243.0	258.6	263.9	167.6
77.5°	158.5	158.5	158.5	163.8	163.8	174.1	179.4	192.3	201.5	209.3	123.5
80°	118.3	117.0	118.3	119.6	119.6	124.8	133.9	142.9	150.8	150.8	84.5
82.5°	83.1	80.6	83.1	83.1	83.1	85.8	91.0	93.6	98.7	102.7	53.3
85°	52.0	52.0	52.0	53.3	52.0	54.6	55.9	58.5	58.5	55.9	32.5
87.5°	33.8	32.5	33.8	32.5	32.5	31.2	31.2	31.2	29.9	28.6	18.2
90°	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6	35.5	22.6
92.5°	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9	218.7	155.6
95°	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7	538.2	303.1
97.5°	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7	725.0	332.9
100°	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0	792.9	357.9
102.5°	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3	824.0	382.9
105°	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9	847.2	420.0
107.5°	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8	851.6	474.8
110°	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9	845.1	505.4

TEST NUMBER: P935100

CATALOG NUMBER: SQ4-FA-100U-050D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1	845.4	542.5
115°	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1	853.1	598.2
117.5°	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1	869.0	652.1
120°	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3	881.9	683.5
122.5°	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0	900.4	720.6
125°	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0	925.4	768.2
127.5°	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1	950.4	814.2
130°	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8	968.6	844.8
132.5°	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0	983.4	869.8
135°	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9	999.6	898.8
137.5°	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9	1023.7	935.9
140°	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1	1038.5	960.9
142.5°	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1	1050.9	979.4
145°	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2	1067.1	1007.7
147.5°	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1	1090.7	1043.1
150°	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1	1103.0	1061.6
152.5°	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9	1111.1	1073.7
155°	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8	1128.8	1100.3
157.5°	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7	1146.5	1126.9
160°	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4	1154.7	1139.1
162.5°	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2	1163.2	1151.9
165°	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4	1175.6	1170.5
167.5°	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9	1185.2	1180.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6	1193.3	1193.0
172.5°	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5	1198.7	1201.1
177.5°	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7	1199.2	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1

TEST NUMBER: P935100

CATALOG NUMBER: SQ4-FA-100U-050D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1393.3	1385.5	1385.5	1372.5	1367.4	1363.4	1356.9	1337.4	1332.2	1327.0	1334.8
5°	1405.0	1390.7	1380.3	1356.9	1337.4	1329.7	1305.0	1258.1	1226.9	1203.5	1190.5
7.5°	1407.6	1389.4	1369.9	1333.5	1286.7	1265.9	1190.5	1104.8	1081.4	1060.6	1047.6
10°	1405.0	1384.2	1356.9	1302.3	1191.9	1155.4	1080.0	1024.1	1009.9	1006.0	1009.9
12.5°	1395.9	1376.4	1338.7	1247.8	1093.0	1068.4	1024.1	991.7	989.1	995.6	1030.7
15°	1380.3	1362.1	1317.9	1174.9	1038.5	1020.3	989.1	977.4	991.7	1037.2	1142.5
17.5°	1364.7	1343.9	1289.4	1103.5	996.9	983.9	961.8	985.2	1065.8	1126.9	1161.9
20°	1343.9	1319.2	1256.8	1051.5	967.0	955.3	944.9	1050.2	1111.2	1133.3	1152.8
22.5°	1319.2	1293.2	1212.6	1015.1	935.8	926.8	933.2	1086.5	1111.2	1126.9	1143.7
25°	1286.7	1264.6	1160.7	986.5	911.2	900.7	925.4	1082.7	1097.0	1100.9	1134.7
27.5°	1256.8	1228.2	1106.1	960.5	881.2	877.3	931.9	1065.8	1076.2	1080.0	1116.5
30°	1220.5	1177.5	1045.0	933.2	850.0	848.7	933.2	1045.0	1042.4	1052.8	1089.2
32.5°	1182.8	1102.1	976.1	899.4	820.2	818.8	924.1	1013.8	1011.2	1025.5	1052.8
35°	1147.7	1043.7	882.5	860.4	782.5	783.7	902.0	977.4	978.7	991.7	1008.6
37.5°	1111.2	993.0	779.9	817.5	746.0	746.0	872.1	943.6	941.0	944.9	968.3
40°	1068.4	913.7	688.9	761.6	712.2	708.3	835.8	907.2	898.1	896.8	929.3
42.5°	1022.9	826.7	621.2	687.6	673.3	668.0	791.6	863.0	846.1	850.0	891.6
45°	973.5	803.2	569.3	581.0	633.0	629.1	743.4	812.3	800.6	811.1	853.9
47.5°	924.1	756.4	552.4	482.2	590.1	588.8	690.1	762.9	756.4	766.9	812.3
50°	856.5	704.5	551.1	413.3	542.0	547.2	626.5	714.8	714.8	723.9	772.0
52.5°	769.5	640.8	500.4	374.3	486.1	501.7	570.5	673.3	675.9	685.0	727.8
55°	690.1	574.5	464.0	344.4	419.8	453.6	516.0	630.3	635.6	644.7	683.6
57.5°	617.3	478.3	456.2	309.3	358.7	391.2	467.9	588.8	591.4	599.1	636.8
60°	539.3	345.7	418.5	271.6	305.4	330.1	423.7	539.3	548.5	553.7	586.1
62.5°	451.0	250.9	379.6	245.6	279.5	284.6	387.3	492.6	504.3	508.2	527.7
65°	321.0	210.6	322.3	223.5	252.1	253.5	348.4	444.5	454.9	461.4	475.7
67.5°	217.1	171.6	245.6	202.7	231.4	232.7	310.7	388.7	402.9	408.1	417.3
70°	150.8	114.3	182.0	180.6	207.9	210.6	270.4	337.9	351.0	354.8	360.0
72.5°	110.5	92.2	150.8	162.5	183.2	185.9	228.8	280.7	293.7	297.7	300.2
75°	84.5	97.5	122.2	141.7	156.0	157.3	187.1	228.8	237.9	240.4	241.8
77.5°	67.5	91.0	89.7	114.3	127.3	124.8	146.9	176.7	184.6	184.6	184.6
80°	50.7	71.5	67.5	81.9	93.6	91.0	105.2	126.1	128.7	131.3	129.9
82.5°	37.7	45.4	45.4	52.0	62.4	59.8	70.2	81.9	81.9	81.9	84.5
85°	23.4	26.0	20.8	27.3	35.1	33.8	39.0	44.2	45.4	45.4	42.9
87.5°	14.3	11.7	6.5	10.4	15.6	15.6	18.2	19.5	18.2	18.2	18.2
90°	20.9	14.5	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8
92.5°	142.0	87.1	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2
95°	278.0	177.7	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8
97.5°	310.9	222.3	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2
100°	337.9	257.6	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0
102.5°	364.2	289.2	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8
105°	404.1	340.7	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6
107.5°	460.0	400.9	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0
110°	492.1	438.7	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1

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CATALOG NUMBER: SQ4-FA-100U-050D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	529.8	478.9	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3
115°	586.4	539.4	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1
117.5°	641.5	598.8	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4
120°	673.6	633.4	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9
122.5°	710.6	670.1	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1
125°	759.0	722.1	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0
127.5°	804.9	767.5	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4
130°	834.7	794.6	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2
132.5°	859.7	819.6	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9
135°	889.7	853.1	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8
137.5°	926.8	890.6	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7
140°	952.5	919.2	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5
142.5°	971.7	940.9	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4
145°	1001.0	974.0	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2
147.5°	1036.5	1010.4	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7
150°	1055.7	1032.1	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7
152.5°	1069.3	1051.4	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1
155°	1097.0	1083.7	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2
157.5°	1123.7	1110.8	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9
160°	1136.5	1126.6	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4
162.5°	1150.1	1142.5	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3
165°	1168.7	1161.9	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0
167.5°	1180.1	1176.9	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3
170°	1192.3	1189.0	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3
172.5°	1193.6	1192.9	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0
175°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0
177.5°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1

TEST NUMBER: P935100

CATALOG NUMBER: SQ4-FA-100U-050D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1325.7	1321.8	1327.0	1312.7	1327.0	1321.8	1325.7	1334.8	1327.0	1332.2	1337.4
5°	1163.3	1156.8	1136.0	1119.1	1136.0	1156.8	1163.3	1190.5	1203.5	1226.9	1258.1
7.5°	1039.7	1034.6	1029.4	1019.0	1029.4	1034.6	1039.7	1047.6	1060.6	1081.4	1104.8
10°	1012.5	1013.8	1021.6	1020.3	1021.6	1013.8	1012.5	1009.9	1006.0	1009.9	1024.1
12.5°	1082.7	1094.4	1137.2	1134.7	1137.2	1094.4	1082.7	1030.7	995.6	989.1	991.7
15°	1163.3	1167.2	1176.3	1177.5	1176.3	1167.2	1163.3	1142.5	1037.2	991.7	977.4
17.5°	1171.0	1172.4	1178.9	1178.9	1178.9	1172.4	1171.0	1161.9	1126.9	1065.8	985.2
20°	1164.5	1167.2	1180.1	1182.8	1180.1	1167.2	1164.5	1152.8	1133.3	1111.2	1050.2
22.5°	1161.9	1167.2	1177.5	1176.3	1177.5	1167.2	1161.9	1143.7	1126.9	1111.2	1086.5
25°	1148.9	1148.9	1150.3	1151.6	1150.3	1148.9	1148.9	1134.7	1100.9	1097.0	1082.7
27.5°	1121.6	1124.2	1132.1	1130.7	1132.1	1124.2	1121.6	1116.5	1080.0	1076.2	1065.8
30°	1097.0	1094.4	1087.9	1082.7	1087.9	1094.4	1097.0	1089.2	1052.8	1042.4	1045.0
32.5°	1055.3	1048.8	1042.4	1038.5	1042.4	1048.8	1055.3	1052.8	1025.5	1011.2	1013.8
35°	1006.0	1007.3	1006.0	1002.0	1006.0	1007.3	1006.0	1008.6	991.7	978.7	977.4
37.5°	970.9	973.5	972.2	967.0	972.2	973.5	970.9	968.3	944.9	941.0	943.6
40°	934.5	935.8	934.5	930.6	934.5	935.8	934.5	929.3	896.8	898.1	907.2
42.5°	899.4	898.1	894.2	891.6	894.2	898.1	899.4	891.6	850.0	846.1	863.0
45°	859.1	860.4	852.6	848.7	852.6	860.4	859.1	853.9	811.1	800.6	812.3
47.5°	818.8	818.8	812.3	808.4	812.3	818.8	818.8	812.3	766.9	756.4	762.9
50°	776.0	774.6	765.5	764.3	765.5	774.6	776.0	772.0	723.9	714.8	714.8
52.5°	726.6	726.6	727.8	730.4	727.8	726.6	726.6	727.8	685.0	675.9	673.3
55°	683.6	685.0	694.1	696.6	694.1	685.0	683.6	683.6	644.7	635.6	630.3
57.5°	639.4	639.4	645.9	645.9	645.9	639.4	639.4	636.8	599.1	591.4	588.8
60°	588.8	591.4	596.6	595.3	596.6	591.4	588.8	586.1	553.7	548.5	539.3
62.5°	535.5	538.1	539.3	536.8	539.3	538.1	535.5	527.7	508.2	504.3	492.6
65°	479.6	482.2	483.5	480.9	483.5	482.2	479.6	475.7	461.4	454.9	444.5
67.5°	422.4	421.1	419.8	425.0	419.8	421.1	422.4	417.3	408.1	402.9	388.7
70°	364.0	364.0	362.6	365.2	362.6	364.0	364.0	360.0	354.8	351.0	337.9
72.5°	301.6	300.2	305.4	301.6	305.4	300.2	301.6	300.2	297.7	293.7	280.7
75°	240.4	243.0	240.4	244.4	240.4	243.0	240.4	241.8	240.4	237.9	228.8
77.5°	183.2	185.9	183.2	183.2	183.2	185.9	183.2	184.6	184.6	184.6	176.7
80°	129.9	128.7	128.7	127.3	128.7	128.7	129.9	129.9	131.3	128.7	126.1
82.5°	83.1	81.9	81.9	84.5	81.9	81.9	83.1	84.5	81.9	81.9	81.9
85°	45.4	46.8	44.2	44.2	44.2	46.8	45.4	42.9	45.4	45.4	44.2
87.5°	16.9	15.6	15.6	15.6	15.6	15.6	16.9	18.2	18.2	18.2	19.5
90°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6
92.5°	153.2	147.1	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9
95°	520.0	501.6	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7
97.5°	1200.3	1165.2	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7
100°	1685.6	1643.7	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0
102.5°	2099.9	2064.1	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3
105°	2583.5	2564.3	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9
107.5°	2835.0	2839.7	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8
110°	2899.5	2919.6	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2858.5	2889.3	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1
115°	2719.0	2761.7	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1
117.5°	2526.3	2573.7	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1
120°	2396.5	2442.6	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3
122.5°	2266.8	2312.2	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0
125°	2095.1	2136.9	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0
127.5°	1957.2	1992.5	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1
130°	1870.2	1902.7	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8
132.5°	1795.9	1825.1	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0
135°	1691.2	1716.4	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9
137.5°	1613.8	1634.4	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9
140°	1551.8	1571.0	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1
142.5°	1508.2	1524.8	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1
145°	1442.9	1455.4	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2
147.5°	1388.1	1398.5	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1
150°	1356.7	1365.1	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1
152.5°	1331.7	1338.1	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9
155°	1301.9	1306.0	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8
157.5°	1276.1	1279.0	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7
160°	1263.2	1264.9	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4
162.5°	1251.1	1252.7	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2
165°	1232.6	1234.3	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4
167.5°	1224.4	1225.1	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6
172.5°	1218.0	1217.5	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5
177.5°	1207.6	1206.9	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1356.9	1363.4	1367.4	1372.5	1385.5
5°	1305.0	1329.7	1337.4	1356.9	1380.3
7.5°	1190.5	1265.9	1286.7	1333.5	1369.9
10°	1080.0	1155.4	1191.9	1302.3	1356.9
12.5°	1024.1	1068.4	1093.0	1247.8	1338.7
15°	989.1	1020.3	1038.5	1174.9	1317.9
17.5°	961.8	983.9	996.9	1103.5	1289.4
20°	944.9	955.3	967.0	1051.5	1256.8
22.5°	933.2	926.8	935.8	1015.1	1212.6
25°	925.4	900.7	911.2	986.5	1160.7
27.5°	931.9	877.3	881.2	960.5	1106.1
30°	933.2	848.7	850.0	933.2	1045.0
32.5°	924.1	818.8	820.2	899.4	976.1
35°	902.0	783.7	782.5	860.4	882.5
37.5°	872.1	746.0	746.0	817.5	779.9
40°	835.8	708.3	712.2	761.6	688.9
42.5°	791.6	668.0	673.3	687.6	621.2
45°	743.4	629.1	633.0	581.0	569.3
47.5°	690.1	588.8	590.1	482.2	552.4
50°	626.5	547.2	542.0	413.3	551.1
52.5°	570.5	501.7	486.1	374.3	500.4
55°	516.0	453.6	419.8	344.4	464.0
57.5°	467.9	391.2	358.7	309.3	456.2
60°	423.7	330.1	305.4	271.6	418.5
62.5°	387.3	284.6	279.5	245.6	379.6
65°	348.4	253.5	252.1	223.5	322.3
67.5°	310.7	232.7	231.4	202.7	245.6
70°	270.4	210.6	207.9	180.6	182.0
72.5°	228.8	185.9	183.2	162.5	150.8
75°	187.1	157.3	156.0	141.7	122.2
77.5°	146.9	124.8	127.3	114.3	89.7
80°	105.2	91.0	93.6	81.9	67.5
82.5°	70.2	59.8	62.4	52.0	45.4
85°	39.0	33.8	35.1	27.3	20.8
87.5°	18.2	15.6	15.6	10.4	6.5
90°	35.5	22.6	20.9	14.5	8.0
92.5°	218.7	155.6	142.0	87.1	32.3
95°	538.2	303.1	278.0	177.7	77.4
97.5°	725.0	332.9	310.9	222.3	133.8
100°	792.9	357.9	337.9	257.6	177.3
102.5°	824.0	382.9	364.2	289.2	214.4
105°	847.2	420.0	404.1	340.7	277.3
107.5°	851.6	474.8	460.0	400.9	341.8
110°	845.1	505.4	492.1	438.7	385.3



TEST NUMBER: P935100

CATALOG NUMBER: SQ4-FA-100U-050D-B35-1D-UNV-W2A-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	845.4	542.5	529.8	478.9	428.0
115°	853.1	598.2	586.4	539.4	492.5
117.5°	869.0	652.1	641.5	598.8	556.2
120°	881.9	683.5	673.6	633.4	593.3
122.5°	900.4	720.6	710.6	670.1	629.6
125°	925.4	768.2	759.0	722.1	685.2
127.5°	950.4	814.2	804.9	767.5	730.3
130°	968.6	844.8	834.7	794.6	754.5
132.5°	983.4	869.8	859.7	819.6	779.5
135°	999.6	898.8	889.7	853.1	816.6
137.5°	1023.7	935.9	926.8	890.6	854.5
140°	1038.5	960.9	952.5	919.2	885.9
142.5°	1050.9	979.4	971.7	940.9	910.1
145°	1067.1	1007.7	1001.0	974.0	947.2
147.5°	1090.7	1043.1	1036.5	1010.4	984.2
150°	1103.0	1061.6	1055.7	1032.1	1008.4
152.5°	1111.1	1073.7	1069.3	1051.4	1033.4
155°	1128.8	1100.3	1097.0	1083.7	1070.5
157.5°	1146.5	1126.9	1123.7	1110.8	1097.9
160°	1154.7	1139.1	1136.5	1126.6	1116.5
162.5°	1163.2	1151.9	1150.1	1142.5	1135.0
165°	1175.6	1170.5	1168.7	1161.9	1155.1
167.5°	1185.2	1180.9	1180.1	1176.9	1173.7
170°	1193.3	1193.0	1192.3	1189.0	1185.8
172.5°	1193.8	1193.8	1193.6	1192.9	1192.3
175°	1198.7	1201.1	1201.1	1201.1	1201.1
177.5°	1199.2	1201.1	1201.1	1201.1	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1

(END OF REPORT)