

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P935108

Luminaire Tested: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

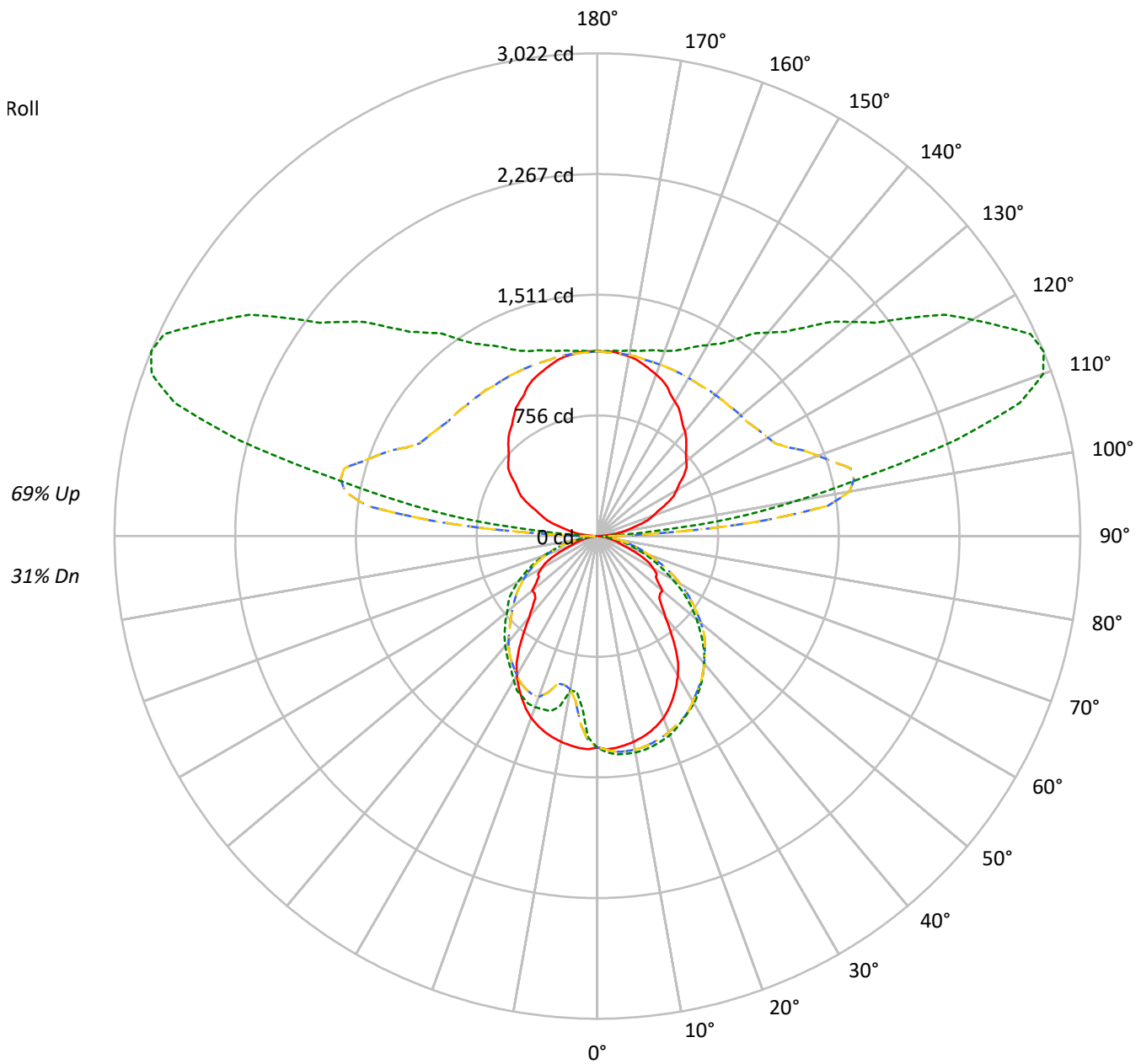
Test Method: LM-79-2019  
Report Number: P935108  
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10942.8 lumens  
Efficiency: N/A  
Efficacy: 132.8 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

TEST NUMBER: P935108  
CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6144	6144	6144	6144
5°	6190	6202	6190	4877
10°	6148	6109	6148	4367
15°	6081	5977	6081	4991
20°	5954	5820	5954	5001
25°	5694	5591	5694	4895
30°	5357	5402	5357	4663
35°	4776	5161	4776	4406
40°	3980	4878	3980	4214
45°	3556	4547	3556	3992
50°	3778	4153	3778	3768
55°	3554	3728	3554	3639
60°	3664	3166	3664	3333
65°	3321	2617	3321	2925
70°	2300	2086	2300	2452
75°	2018	1542	2018	1847
80°	1624	1019	1624	1109
85°	936	541	936	459

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5450 cd/sqm



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.5	1.1
10°-20°	339.4	3.1
20°-30°	524.6	4.8
30°-40°	626.3	5.7
40°-50°	630.0	5.8
50°-60°	548.1	5.0
60°-70°	388.6	3.6
70°-80°	205.6	1.9
80°-90°	55.6	0.5
90°-100°	564.3	5.2
100°-110°	1483.6	13.6
110°-120°	1538.4	14.1
120°-130°	1234.0	11.3
130°-140°	968.2	8.8
140°-150°	743.1	6.8
150°-160°	535.2	4.9
160°-170°	327.5	3.0
170°-180°	110.6	1.0
0°-30°	983.5	9.0
0°-40°	1609.8	14.7
0°-60°	2787.9	25.5
0°-90°	3437.8	31.4
90°-120°	3586.3	32.8
90°-150°	6531.7	59.7
90°-180°	7505.0	68.6
0°-180°	10942.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1324	1324	1324	1324	1324	
5°	1330	1372	1330	1079	1330	126
15°	1270	1359	1270	1135	1270	357
25°	1119	1268	1119	1110	1119	514
35°	851	1131	851	966	851	526
45°	549	932	549	818	549	440
55°	447	688	447	672	447	411
65°	311	415	311	464	311	297
75°	118	197	118	236	118	124
85°	20	50	20	43	20	27
90°	8	30	8	30	8	7
95°	75	341	75	341	75	83
105°	267	2323	267	2323	267	283
115°	475	2991	475	2991	475	469
125°	660	2382	660	2382	660	586
135°	787	1848	787	1848	787	609
145°	913	1500	913	1500	913	572
155°	1032	1291	1032	1291	1032	474
165°	1113	1203	1113	1203	1113	314
175°	1158	1165	1158	1165	1158	110
180°	1158	1158	1158	1158	1158	



TEST NUMBER: P935108  
 CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2
2.5°	1335.4	1335.4	1343.0	1345.5	1345.5	1341.7	1338.0	1341.7	1353.0	1356.7	1355.5
5°	1330.5	1340.5	1354.3	1356.7	1359.3	1358.0	1355.5	1358.0	1370.6	1373.1	1374.3
7.5°	1320.4	1339.3	1356.7	1360.6	1364.3	1360.6	1359.3	1361.8	1374.3	1376.8	1376.8
10°	1307.9	1334.2	1354.3	1356.7	1360.6	1356.7	1356.7	1361.8	1374.3	1376.8	1378.0
12.5°	1290.3	1326.7	1345.5	1347.9	1353.0	1351.8	1350.5	1355.5	1368.0	1370.6	1370.6
15°	1270.3	1312.9	1330.5	1332.9	1341.7	1339.3	1339.3	1344.2	1358.0	1361.8	1360.6
17.5°	1242.8	1295.4	1315.4	1319.2	1325.4	1324.2	1325.4	1330.5	1343.0	1345.5	1346.7
20°	1211.4	1271.5	1295.4	1299.1	1305.4	1305.4	1305.4	1311.6	1324.2	1329.2	1329.2
22.5°	1168.8	1246.5	1271.5	1274.1	1281.6	1281.6	1284.1	1292.8	1304.1	1305.4	1305.4
25°	1118.7	1219.0	1240.3	1247.7	1255.3	1259.0	1262.8	1267.8	1271.5	1270.3	1271.5
27.5°	1066.2	1183.8	1211.4	1216.4	1226.4	1230.3	1235.2	1236.5	1237.7	1241.5	1239.0
30°	1007.2	1135.0	1176.4	1181.4	1197.7	1200.2	1195.1	1197.7	1203.9	1206.4	1209.0
32.5°	940.8	1062.3	1140.0	1151.3	1166.4	1158.8	1157.6	1161.3	1171.3	1171.3	1173.9
35°	850.6	1006.0	1106.2	1116.2	1127.5	1118.7	1123.8	1125.0	1131.3	1135.0	1133.8
37.5°	751.7	957.2	1071.1	1078.7	1087.5	1076.2	1083.6	1087.5	1092.4	1089.9	1089.9
40°	664.0	880.7	1029.8	1034.8	1042.3	1033.6	1041.0	1043.6	1046.1	1043.6	1042.3
42.5°	598.8	796.8	985.9	992.2	987.1	993.5	995.9	1001.0	997.2	992.2	992.2
45°	548.7	774.2	938.3	945.9	938.3	948.4	952.1	952.1	940.8	938.3	937.1
47.5°	532.5	729.1	890.8	890.8	886.9	899.5	905.8	897.0	885.7	882.0	882.0
50°	531.2	679.0	825.6	820.6	838.1	853.1	846.9	838.1	829.3	815.6	815.6
52.5°	482.3	617.7	741.7	760.5	788.0	796.8	786.7	778.0	763.0	756.6	751.7
55°	447.2	553.8	665.2	702.8	731.6	742.9	724.1	715.4	692.7	689.0	686.5
57.5°	439.7	461.0	595.1	642.7	677.7	676.5	665.2	648.9	630.2	626.4	625.1
60°	403.4	333.3	519.9	576.3	612.6	608.9	598.8	583.8	566.3	563.8	561.2
62.5°	365.8	241.8	434.7	498.6	549.9	548.7	539.9	517.4	504.8	498.6	493.6
65°	310.6	203.0	309.4	414.7	488.6	491.1	472.3	456.0	442.2	434.7	433.5
67.5°	236.8	165.4	209.2	345.8	429.7	427.2	403.4	395.9	378.4	374.6	367.1
70°	175.4	110.2	145.3	280.7	372.1	365.8	347.0	338.3	321.9	313.2	308.2
72.5°	145.3	88.9	106.5	218.0	313.2	305.7	289.4	279.4	265.6	258.1	253.0
75°	117.8	94.0	81.4	161.6	254.3	249.3	234.2	224.3	213.0	203.0	204.2
77.5°	86.5	87.7	65.1	119.0	201.7	194.2	185.4	172.9	167.8	157.8	157.8
80°	65.1	68.9	48.8	81.4	145.3	145.3	137.8	129.1	120.3	115.3	115.3
82.5°	43.8	43.8	36.3	51.4	99.0	95.2	90.2	87.7	82.7	80.1	80.1
85°	20.1	25.0	22.5	31.3	53.9	56.4	56.4	53.9	52.6	50.2	51.4
87.5°	6.3	11.3	13.8	17.6	27.6	28.9	30.1	30.1	30.1	31.3	31.3
90°	7.8	14.0	20.2	21.8	34.2	50.7	59.0	52.5	39.3	29.5	29.5
92.5°	31.1	84.0	136.8	150.0	210.8	292.0	332.5	291.4	209.3	147.7	141.8
95°	74.6	171.3	268.0	292.2	518.7	820.9	972.0	867.4	658.1	501.2	483.4
97.5°	129.0	214.3	299.6	320.9	698.8	1202.6	1454.5	1388.4	1256.1	1156.9	1123.1
100°	170.9	248.3	325.7	345.0	764.3	1323.4	1602.9	1607.8	1617.4	1624.7	1584.3
102.5°	206.7	278.8	351.0	369.0	794.3	1361.3	1644.9	1729.1	1897.7	2024.1	1989.5
105°	267.3	328.4	389.5	404.8	816.6	1365.7	1640.2	1829.1	2206.9	2490.2	2471.6
107.5°	329.4	386.4	443.4	457.7	820.8	1304.9	1547.0	1810.5	2337.4	2732.6	2737.1
110°	371.4	422.8	474.3	487.2	814.5	1251.0	1469.3	1763.9	2352.9	2794.8	2814.1



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	412.5	461.6	510.7	522.9	814.8	1204.0	1398.6	1700.1	2303.0	2755.2	2784.9
115°	474.8	520.0	565.3	576.6	822.3	1150.0	1313.9	1604.3	2185.2	2620.8	2662.0
117.5°	536.1	577.2	618.3	628.6	837.6	1116.2	1255.6	1517.7	2041.9	2435.0	2480.7
120°	571.9	610.6	649.2	658.8	850.0	1104.9	1232.3	1471.8	1950.8	2310.0	2354.3
122.5°	606.8	645.9	684.9	694.6	867.9	1098.9	1214.4	1430.0	1861.4	2184.9	2228.7
125°	660.4	696.0	731.6	740.5	892.0	1094.0	1195.0	1378.2	1744.6	2019.4	2059.8
127.5°	704.0	739.8	775.8	784.7	916.1	1091.2	1178.7	1336.0	1650.6	1886.5	1920.5
130°	727.2	765.9	804.5	814.3	933.6	1092.9	1172.5	1312.5	1592.6	1802.6	1834.0
132.5°	751.3	790.0	828.6	838.4	947.9	1094.0	1167.0	1292.4	1543.1	1731.1	1759.2
135°	787.1	822.3	857.6	866.4	963.5	1093.0	1157.7	1262.7	1472.6	1630.1	1654.4
137.5°	823.6	858.4	893.4	902.1	986.8	1099.7	1156.1	1244.8	1422.4	1555.5	1575.4
140°	853.9	886.0	918.1	926.2	1001.0	1100.8	1150.7	1227.4	1380.7	1495.7	1514.3
142.5°	877.2	906.9	936.6	944.0	1012.9	1104.7	1150.7	1218.0	1352.7	1453.8	1469.7
145°	913.0	938.9	964.8	971.3	1028.5	1104.8	1142.9	1198.0	1308.2	1390.8	1402.9
147.5°	948.7	973.9	999.1	1005.5	1051.3	1112.4	1142.9	1186.3	1272.9	1338.0	1347.9
150°	972.0	994.8	1017.6	1023.3	1063.2	1116.3	1142.9	1179.5	1252.8	1307.7	1315.8
152.5°	996.1	1013.4	1030.7	1035.0	1070.9	1118.9	1142.9	1174.2	1236.7	1283.6	1289.8
155°	1031.8	1044.6	1057.4	1060.6	1088.0	1124.6	1142.9	1167.8	1217.6	1254.8	1258.8
157.5°	1058.2	1070.6	1083.2	1086.2	1105.1	1130.3	1142.9	1162.3	1200.9	1230.0	1232.8
160°	1076.2	1085.9	1095.5	1097.9	1113.0	1132.9	1142.9	1159.6	1192.7	1217.6	1219.2
162.5°	1094.0	1101.3	1108.6	1110.3	1121.2	1135.7	1142.9	1156.9	1184.9	1205.9	1207.5
165°	1113.4	1120.0	1126.5	1128.2	1133.1	1139.7	1142.9	1152.9	1173.0	1188.0	1189.7
167.5°	1131.3	1134.3	1137.5	1138.3	1142.4	1147.9	1150.7	1157.2	1170.4	1180.2	1180.9
170°	1142.9	1146.0	1149.2	1149.9	1150.2	1150.5	1150.7	1157.2	1170.4	1180.2	1180.2
172.5°	1149.2	1149.8	1150.5	1150.7	1150.7	1150.7	1150.7	1155.9	1166.3	1174.0	1173.5
175°	1157.7	1157.7	1157.7	1157.7	1155.4	1152.3	1150.7	1154.0	1160.5	1165.4	1165.4
177.5°	1157.7	1157.7	1157.7	1157.7	1155.9	1153.5	1152.3	1154.9	1160.0	1164.0	1163.3
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2
2.5°	1358.0	1354.3	1358.0	1355.5	1356.7	1353.0	1341.7	1338.0	1341.7	1345.5	1345.5
5°	1374.3	1371.8	1374.3	1374.3	1373.1	1370.6	1358.0	1355.5	1358.0	1359.3	1356.7
7.5°	1379.3	1375.6	1379.3	1376.8	1376.8	1374.3	1361.8	1359.3	1360.6	1364.3	1360.6
10°	1379.3	1375.6	1379.3	1378.0	1376.8	1374.3	1361.8	1356.7	1356.7	1360.6	1356.7
12.5°	1373.1	1370.6	1373.1	1370.6	1370.6	1368.0	1355.5	1350.5	1351.8	1353.0	1347.9
15°	1363.0	1359.3	1363.0	1360.6	1361.8	1358.0	1344.2	1339.3	1339.3	1341.7	1332.9
17.5°	1347.9	1343.0	1347.9	1346.7	1345.5	1343.0	1330.5	1325.4	1324.2	1325.4	1319.2
20°	1330.5	1326.7	1330.5	1329.2	1329.2	1324.2	1311.6	1305.4	1305.4	1305.4	1299.1
22.5°	1302.9	1299.1	1302.9	1305.4	1305.4	1304.1	1292.8	1284.1	1281.6	1281.6	1274.1
25°	1271.5	1267.8	1271.5	1271.5	1270.3	1271.5	1267.8	1262.8	1259.0	1255.3	1247.7
27.5°	1241.5	1239.0	1241.5	1239.0	1241.5	1237.7	1236.5	1235.2	1230.3	1226.4	1216.4
30°	1211.4	1209.0	1211.4	1209.0	1206.4	1203.9	1197.7	1195.1	1200.2	1197.7	1181.4
32.5°	1173.9	1171.3	1173.9	1173.9	1171.3	1171.3	1161.3	1157.6	1158.8	1166.4	1151.3
35°	1135.0	1131.3	1135.0	1133.8	1135.0	1131.3	1125.0	1123.8	1118.7	1127.5	1116.2
37.5°	1089.9	1086.1	1089.9	1089.9	1089.9	1092.4	1087.5	1083.6	1076.2	1087.5	1078.7
40°	1043.6	1038.5	1043.6	1042.3	1043.6	1046.1	1043.6	1041.0	1033.6	1042.3	1034.8
42.5°	991.0	989.7	991.0	992.2	992.2	997.2	1001.0	995.9	993.5	987.1	992.2
45°	934.6	932.0	934.6	937.1	938.3	940.8	952.1	952.1	948.4	938.3	945.9
47.5°	874.4	868.2	874.4	882.0	882.0	885.7	897.0	905.8	899.5	886.9	890.8
50°	810.5	811.8	810.5	815.6	815.6	829.3	838.1	846.9	853.1	838.1	820.6
52.5°	747.9	746.6	747.9	751.7	756.6	763.0	778.0	786.7	796.8	788.0	760.5
55°	685.3	687.8	685.3	686.5	689.0	692.7	715.4	724.1	742.9	731.6	702.8
57.5°	622.6	618.9	622.6	625.1	626.4	630.2	648.9	665.2	676.5	677.7	642.7
60°	549.9	545.0	549.9	561.2	563.8	566.3	583.8	598.8	608.9	612.6	576.3
62.5°	486.1	477.3	486.1	493.6	498.6	504.8	517.4	539.9	548.7	549.9	498.6
65°	418.4	414.7	418.4	433.5	434.7	442.2	456.0	472.3	491.1	488.6	414.7
67.5°	357.1	357.1	357.1	367.1	374.6	378.4	395.9	403.4	427.2	429.7	345.8
70°	300.7	299.4	300.7	308.2	313.2	321.9	338.3	347.0	365.8	372.1	280.7
72.5°	246.8	245.5	246.8	253.0	258.1	265.6	279.4	289.4	305.7	313.2	218.0
75°	199.2	196.7	199.2	204.2	203.0	213.0	224.3	234.2	249.3	254.3	161.6
77.5°	152.8	152.8	152.8	157.8	157.8	167.8	172.9	185.4	194.2	201.7	119.0
80°	114.0	112.7	114.0	115.3	115.3	120.3	129.1	137.8	145.3	145.3	81.4
82.5°	80.1	77.7	80.1	80.1	80.1	82.7	87.7	90.2	95.2	99.0	51.4
85°	50.2	50.2	50.2	51.4	50.2	52.6	53.9	56.4	56.4	53.9	31.3
87.5°	32.6	31.3	32.6	31.3	31.3	30.1	30.1	30.1	28.9	27.6	17.6
90°	29.5	29.5	29.5	29.5	29.5	39.3	52.5	59.0	50.7	34.2	21.8
92.5°	118.3	94.8	118.3	141.8	147.7	209.3	291.4	332.5	292.0	210.8	150.0
95°	412.3	341.1	412.3	483.4	501.2	658.1	867.4	972.0	820.9	518.7	292.2
97.5°	987.7	852.4	987.7	1123.1	1156.9	1256.1	1388.4	1454.5	1202.6	698.8	320.9
100°	1423.1	1261.8	1423.1	1584.3	1624.7	1617.4	1607.8	1602.9	1323.4	764.3	345.0
102.5°	1851.4	1713.2	1851.4	1989.5	2024.1	1897.7	1729.1	1644.9	1361.3	794.3	369.0
105°	2397.4	2323.1	2397.4	2471.6	2490.2	2206.9	1829.1	1640.2	1365.7	816.6	404.8
107.5°	2755.1	2773.0	2755.1	2737.1	2732.6	2337.4	1810.5	1547.0	1304.9	820.8	457.7
110°	2891.5	2968.8	2891.5	2814.1	2794.8	2352.9	1763.9	1469.3	1251.0	814.5	487.2





TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2903.6	3022.4	2903.6	2784.9	2755.2	2303.0	1700.1	1398.6	1204.0	814.8	522.9
115°	2826.7	2991.4	2826.7	2662.0	2620.8	2185.2	1604.3	1313.9	1150.0	822.3	576.6
117.5°	2663.4	2846.1	2663.4	2480.7	2435.0	2041.9	1517.7	1255.6	1116.2	837.6	628.6
120°	2531.9	2709.3	2531.9	2354.3	2310.0	1950.8	1471.8	1232.3	1104.9	850.0	658.8
122.5°	2403.7	2578.8	2403.7	2228.7	2184.9	1861.4	1430.0	1214.4	1098.9	867.9	694.6
125°	2221.0	2382.3	2221.0	2059.8	2019.4	1744.6	1378.2	1195.0	1094.0	892.0	740.5
127.5°	2056.6	2192.7	2056.6	1920.5	1886.5	1650.6	1336.0	1178.7	1091.2	916.1	784.7
130°	1959.7	2085.4	1959.7	1834.0	1802.6	1592.6	1312.5	1172.5	1092.9	933.6	814.3
132.5°	1871.8	1984.4	1871.8	1759.2	1731.1	1543.1	1292.4	1167.0	1094.0	947.9	838.4
135°	1751.4	1848.5	1751.4	1654.4	1630.1	1472.6	1262.7	1157.7	1093.0	963.5	866.4
137.5°	1654.8	1734.3	1654.8	1575.4	1555.5	1422.4	1244.8	1156.1	1099.7	986.8	902.1
140°	1588.5	1662.7	1588.5	1514.3	1495.7	1380.7	1227.4	1150.7	1100.8	1001.0	926.2
142.5°	1533.6	1597.5	1533.6	1469.7	1453.8	1352.7	1218.0	1150.7	1104.7	1012.9	944.0
145°	1451.2	1499.5	1451.2	1402.9	1390.8	1308.2	1198.0	1142.9	1104.8	1028.5	971.3
147.5°	1388.0	1428.1	1388.0	1347.9	1338.0	1272.9	1186.3	1142.9	1112.4	1051.3	1005.5
150°	1348.2	1380.7	1348.2	1315.8	1307.7	1252.8	1179.5	1142.9	1116.3	1063.2	1023.3
152.5°	1314.2	1338.7	1314.2	1289.8	1283.6	1236.7	1174.2	1142.9	1118.9	1070.9	1035.0
155°	1275.1	1291.3	1275.1	1258.8	1254.8	1217.6	1167.8	1142.9	1124.6	1088.0	1060.6
157.5°	1244.2	1255.6	1244.2	1232.8	1230.0	1200.9	1162.3	1142.9	1130.3	1105.1	1086.2
160°	1225.8	1232.3	1225.8	1219.2	1217.6	1192.7	1159.6	1142.9	1132.9	1113.0	1097.9
162.5°	1213.6	1219.9	1213.6	1207.5	1205.9	1184.9	1156.9	1142.9	1135.7	1121.2	1110.3
165°	1196.3	1202.8	1196.3	1189.7	1188.0	1173.0	1152.9	1142.9	1139.7	1133.1	1128.2
167.5°	1183.7	1186.5	1183.7	1180.9	1180.2	1170.4	1157.2	1150.7	1147.9	1142.4	1138.3
170°	1180.2	1180.2	1180.2	1180.2	1180.2	1170.4	1157.2	1150.7	1150.5	1150.2	1149.9
172.5°	1171.0	1168.6	1171.0	1173.5	1174.0	1166.3	1155.9	1150.7	1150.7	1150.7	1150.7
175°	1165.4	1165.4	1165.4	1165.4	1165.4	1160.5	1154.0	1150.7	1152.3	1155.4	1157.7
177.5°	1160.5	1157.7	1160.5	1163.3	1164.0	1160.0	1154.9	1152.3	1153.5	1155.9	1157.7
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935108  
 CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2
2.5°	1343.0	1335.4	1335.4	1322.9	1318.0	1314.1	1307.9	1289.1	1284.1	1279.1	1286.6
5°	1354.3	1340.5	1330.5	1307.9	1289.1	1281.6	1257.8	1212.7	1182.6	1160.0	1147.5
7.5°	1356.7	1339.3	1320.4	1285.4	1240.3	1220.2	1147.5	1064.9	1042.3	1022.3	1009.7
10°	1354.3	1334.2	1307.9	1255.3	1148.8	1113.7	1041.0	987.1	973.4	969.7	973.4
12.5°	1345.5	1326.7	1290.3	1202.7	1053.6	1029.8	987.1	955.9	953.3	959.6	993.5
15°	1330.5	1312.9	1270.3	1132.5	1001.0	983.4	953.3	942.1	955.9	999.8	1101.2
17.5°	1315.4	1295.4	1242.8	1063.6	960.9	948.4	927.1	949.6	1027.3	1086.1	1120.0
20°	1295.4	1271.5	1211.4	1013.5	932.0	920.8	910.7	1012.3	1071.1	1092.4	1111.2
22.5°	1271.5	1246.5	1168.8	978.5	902.0	893.3	899.5	1047.3	1071.1	1086.1	1102.4
25°	1240.3	1219.0	1118.7	950.9	878.2	868.2	892.0	1043.6	1057.4	1061.1	1093.7
27.5°	1211.4	1183.8	1066.2	925.8	849.4	845.6	898.2	1027.3	1037.3	1041.0	1076.2
30°	1176.4	1135.0	1007.2	899.5	819.3	818.1	899.5	1007.2	1004.7	1014.8	1049.8
32.5°	1140.0	1062.3	940.8	866.9	790.5	789.2	890.8	977.2	974.6	988.5	1014.8
35°	1106.2	1006.0	850.6	829.3	754.2	755.4	869.5	942.1	943.3	955.9	972.2
37.5°	1071.1	957.2	751.7	788.0	719.1	719.1	840.6	909.5	907.0	910.7	933.3
40°	1029.8	880.7	664.0	734.1	686.5	682.8	805.6	874.4	865.6	864.4	895.7
42.5°	985.9	796.8	598.8	662.8	648.9	643.9	763.0	831.8	815.6	819.3	859.4
45°	938.3	774.2	548.7	560.0	610.1	606.4	716.6	783.0	771.7	781.8	823.0
47.5°	890.8	729.1	532.5	464.8	568.8	567.5	665.2	735.3	729.1	739.2	783.0
50°	825.6	679.0	531.2	398.4	522.4	527.4	603.8	689.0	689.0	697.8	744.1
52.5°	741.7	617.7	482.3	360.8	468.5	483.5	549.9	648.9	651.5	660.2	701.5
55°	665.2	553.8	447.2	331.9	404.6	437.2	497.4	607.6	612.6	621.4	658.9
57.5°	595.1	461.0	439.7	298.1	345.8	377.1	451.0	567.5	570.0	577.5	613.8
60°	519.9	333.3	403.4	261.8	294.4	318.2	408.4	519.9	528.6	533.7	565.0
62.5°	434.7	241.8	365.8	236.8	269.4	274.3	373.3	474.8	486.1	489.9	508.7
65°	309.4	203.0	310.6	215.5	243.0	244.3	335.8	428.4	438.5	444.8	458.5
67.5°	209.2	165.4	236.8	195.4	223.0	224.3	299.4	374.6	388.4	393.4	402.2
70°	145.3	110.2	175.4	174.1	200.4	203.0	260.6	325.7	338.3	342.0	347.0
72.5°	106.5	88.9	145.3	156.6	176.6	179.1	220.5	270.6	283.1	286.9	289.4
75°	81.4	94.0	117.8	136.6	150.4	151.6	180.4	220.5	229.3	231.7	233.0
77.5°	65.1	87.7	86.5	110.2	122.7	120.3	141.6	170.4	177.9	177.9	177.9
80°	48.8	68.9	65.1	78.9	90.2	87.7	101.4	121.5	124.0	126.6	125.2
82.5°	36.3	43.8	43.8	50.2	60.1	57.6	67.6	78.9	78.9	78.9	81.4
85°	22.5	25.0	20.1	26.3	33.8	32.6	37.5	42.6	43.8	43.8	41.4
87.5°	13.8	11.3	6.3	10.0	15.0	15.0	17.6	18.8	17.6	17.6	17.6
90°	20.2	14.0	7.8	14.0	20.2	21.8	34.2	50.7	59.0	52.5	39.3
92.5°	136.8	84.0	31.1	84.0	136.8	150.0	210.8	292.0	332.5	291.4	209.3
95°	268.0	171.3	74.6	171.3	268.0	292.2	518.7	820.9	972.0	867.4	658.1
97.5°	299.6	214.3	129.0	214.3	299.6	320.9	698.8	1202.6	1454.5	1388.4	1256.1
100°	325.7	248.3	170.9	248.3	325.7	345.0	764.3	1323.4	1602.9	1607.8	1617.4
102.5°	351.0	278.8	206.7	278.8	351.0	369.0	794.3	1361.3	1644.9	1729.1	1897.7
105°	389.5	328.4	267.3	328.4	389.5	404.8	816.6	1365.7	1640.2	1829.1	2206.9
107.5°	443.4	386.4	329.4	386.4	443.4	457.7	820.8	1304.9	1547.0	1810.5	2337.4
110°	474.3	422.8	371.4	422.8	474.3	487.2	814.5	1251.0	1469.3	1763.9	2352.9



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	510.7	461.6	412.5	461.6	510.7	522.9	814.8	1204.0	1398.6	1700.1	2303.0
115°	565.3	520.0	474.8	520.0	565.3	576.6	822.3	1150.0	1313.9	1604.3	2185.2
117.5°	618.3	577.2	536.1	577.2	618.3	628.6	837.6	1116.2	1255.6	1517.7	2041.9
120°	649.2	610.6	571.9	610.6	649.2	658.8	850.0	1104.9	1232.3	1471.8	1950.8
122.5°	684.9	645.9	606.8	645.9	684.9	694.6	867.9	1098.9	1214.4	1430.0	1861.4
125°	731.6	696.0	660.4	696.0	731.6	740.5	892.0	1094.0	1195.0	1378.2	1744.6
127.5°	775.8	739.8	704.0	739.8	775.8	784.7	916.1	1091.2	1178.7	1336.0	1650.6
130°	804.5	765.9	727.2	765.9	804.5	814.3	933.6	1092.9	1172.5	1312.5	1592.6
132.5°	828.6	790.0	751.3	790.0	828.6	838.4	947.9	1094.0	1167.0	1292.4	1543.1
135°	857.6	822.3	787.1	822.3	857.6	866.4	963.5	1093.0	1157.7	1262.7	1472.6
137.5°	893.4	858.4	823.6	858.4	893.4	902.1	986.8	1099.7	1156.1	1244.8	1422.4
140°	918.1	886.0	853.9	886.0	918.1	926.2	1001.0	1100.8	1150.7	1227.4	1380.7
142.5°	936.6	906.9	877.2	906.9	936.6	944.0	1012.9	1104.7	1150.7	1218.0	1352.7
145°	964.8	938.9	913.0	938.9	964.8	971.3	1028.5	1104.8	1142.9	1198.0	1308.2
147.5°	999.1	973.9	948.7	973.9	999.1	1005.5	1051.3	1112.4	1142.9	1186.3	1272.9
150°	1017.6	994.8	972.0	994.8	1017.6	1023.3	1063.2	1116.3	1142.9	1179.5	1252.8
152.5°	1030.7	1013.4	996.1	1013.4	1030.7	1035.0	1070.9	1118.9	1142.9	1174.2	1236.7
155°	1057.4	1044.6	1031.8	1044.6	1057.4	1060.6	1088.0	1124.6	1142.9	1167.8	1217.6
157.5°	1083.2	1070.6	1058.2	1070.6	1083.2	1086.2	1105.1	1130.3	1142.9	1162.3	1200.9
160°	1095.5	1085.9	1076.2	1085.9	1095.5	1097.9	1113.0	1132.9	1142.9	1159.6	1192.7
162.5°	1108.6	1101.3	1094.0	1101.3	1108.6	1110.3	1121.2	1135.7	1142.9	1156.9	1184.9
165°	1126.5	1120.0	1113.4	1120.0	1126.5	1128.2	1133.1	1139.7	1142.9	1152.9	1173.0
167.5°	1137.5	1134.3	1131.3	1134.3	1137.5	1138.3	1142.4	1147.9	1150.7	1157.2	1170.4
170°	1149.2	1146.0	1142.9	1146.0	1149.2	1149.9	1150.2	1150.5	1150.7	1157.2	1170.4
172.5°	1150.5	1149.8	1149.2	1149.8	1150.5	1150.7	1150.7	1150.7	1150.7	1155.9	1166.3
175°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1155.4	1152.3	1150.7	1154.0	1160.5
177.5°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1155.9	1153.5	1152.3	1154.9	1160.0
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2
2.5°	1277.8	1274.1	1279.1	1265.3	1279.1	1274.1	1277.8	1286.6	1279.1	1284.1	1289.1
5°	1121.3	1115.0	1094.9	1078.7	1094.9	1115.0	1121.3	1147.5	1160.0	1182.6	1212.7
7.5°	1002.2	997.2	992.2	982.2	992.2	997.2	1002.2	1009.7	1022.3	1042.3	1064.9
10°	975.9	977.2	984.7	983.4	984.7	977.2	975.9	973.4	969.7	973.4	987.1
12.5°	1043.6	1054.9	1096.1	1093.7	1096.1	1054.9	1043.6	993.5	959.6	953.3	955.9
15°	1121.3	1125.0	1133.8	1135.0	1133.8	1125.0	1121.3	1101.2	999.8	955.9	942.1
17.5°	1128.7	1130.0	1136.3	1136.3	1136.3	1130.0	1128.7	1120.0	1086.1	1027.3	949.6
20°	1122.5	1125.0	1137.5	1140.0	1137.5	1125.0	1122.5	1111.2	1092.4	1071.1	1012.3
22.5°	1120.0	1125.0	1135.0	1133.8	1135.0	1125.0	1120.0	1102.4	1086.1	1071.1	1047.3
25°	1107.4	1107.4	1108.8	1110.0	1108.8	1107.4	1107.4	1093.7	1061.1	1057.4	1043.6
27.5°	1081.1	1083.6	1091.2	1089.9	1091.2	1083.6	1081.1	1076.2	1041.0	1037.3	1027.3
30°	1057.4	1054.9	1048.6	1043.6	1048.6	1054.9	1057.4	1049.8	1014.8	1004.7	1007.2
32.5°	1017.2	1011.0	1004.7	1001.0	1004.7	1011.0	1017.2	1014.8	988.5	974.6	977.2
35°	969.7	970.9	969.7	965.8	969.7	970.9	969.7	972.2	955.9	943.3	942.1
37.5°	935.9	938.3	937.1	932.0	937.1	938.3	935.9	933.3	910.7	907.0	909.5
40°	900.7	902.0	900.7	897.0	900.7	902.0	900.7	895.7	864.4	865.6	874.4
42.5°	866.9	865.6	861.9	859.4	861.9	865.6	866.9	859.4	819.3	815.6	831.8
45°	828.1	829.3	821.8	818.1	821.8	829.3	828.1	823.0	781.8	771.7	783.0
47.5°	789.2	789.2	783.0	779.2	783.0	789.2	789.2	783.0	739.2	729.1	735.3
50°	747.9	746.6	737.9	736.6	737.9	746.6	747.9	744.1	697.8	689.0	689.0
52.5°	700.3	700.3	701.5	704.0	701.5	700.3	700.3	701.5	660.2	651.5	648.9
55°	658.9	660.2	669.0	671.5	669.0	660.2	658.9	658.9	621.4	612.6	607.6
57.5°	616.3	616.3	622.6	622.6	622.6	616.3	616.3	613.8	577.5	570.0	567.5
60°	567.5	570.0	575.1	573.8	575.1	570.0	567.5	565.0	533.7	528.6	519.9
62.5°	516.1	518.7	519.9	517.4	519.9	518.7	516.1	508.7	489.9	486.1	474.8
65°	462.2	464.8	466.1	463.5	466.1	464.8	462.2	458.5	444.8	438.5	428.4
67.5°	407.1	405.9	404.6	409.7	404.6	405.9	407.1	402.2	393.4	388.4	374.6
70°	350.8	350.8	349.5	352.0	349.5	350.8	350.8	347.0	342.0	338.3	325.7
72.5°	290.7	289.4	294.4	290.7	294.4	289.4	290.7	289.4	286.9	283.1	270.6
75°	231.7	234.2	231.7	235.6	231.7	234.2	231.7	233.0	231.7	229.3	220.5
77.5°	176.6	179.1	176.6	176.6	176.6	179.1	176.6	177.9	177.9	177.9	170.4
80°	125.2	124.0	124.0	122.7	124.0	124.0	125.2	125.2	126.6	124.0	121.5
82.5°	80.1	78.9	78.9	81.4	78.9	78.9	80.1	81.4	78.9	78.9	78.9
85°	43.8	45.1	42.6	42.6	42.6	45.1	43.8	41.4	43.8	43.8	42.6
87.5°	16.3	15.0	15.0	15.0	15.0	15.0	16.3	17.6	17.6	17.6	18.8
90°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	39.3	52.5	59.0	50.7
92.5°	147.7	141.8	118.3	94.8	118.3	141.8	147.7	209.3	291.4	332.5	292.0
95°	501.2	483.4	412.3	341.1	412.3	483.4	501.2	658.1	867.4	972.0	820.9
97.5°	1156.9	1123.1	987.7	852.4	987.7	1123.1	1156.9	1256.1	1388.4	1454.5	1202.6
100°	1624.7	1584.3	1423.1	1261.8	1423.1	1584.3	1624.7	1617.4	1607.8	1602.9	1323.4
102.5°	2024.1	1989.5	1851.4	1713.2	1851.4	1989.5	2024.1	1897.7	1729.1	1644.9	1361.3
105°	2490.2	2471.6	2397.4	2323.1	2397.4	2471.6	2490.2	2206.9	1829.1	1640.2	1365.7
107.5°	2732.6	2737.1	2755.1	2773.0	2755.1	2737.1	2732.6	2337.4	1810.5	1547.0	1304.9
110°	2794.8	2814.1	2891.5	2968.8	2891.5	2814.1	2794.8	2352.9	1763.9	1469.3	1251.0



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2755.2	2784.9	2903.6	3022.4	2903.6	2784.9	2755.2	2303.0	1700.1	1398.6	1204.0
115°	2620.8	2662.0	2826.7	2991.4	2826.7	2662.0	2620.8	2185.2	1604.3	1313.9	1150.0
117.5°	2435.0	2480.7	2663.4	2846.1	2663.4	2480.7	2435.0	2041.9	1517.7	1255.6	1116.2
120°	2310.0	2354.3	2531.9	2709.3	2531.9	2354.3	2310.0	1950.8	1471.8	1232.3	1104.9
122.5°	2184.9	2228.7	2403.7	2578.8	2403.7	2228.7	2184.9	1861.4	1430.0	1214.4	1098.9
125°	2019.4	2059.8	2221.0	2382.3	2221.0	2059.8	2019.4	1744.6	1378.2	1195.0	1094.0
127.5°	1886.5	1920.5	2056.6	2192.7	2056.6	1920.5	1886.5	1650.6	1336.0	1178.7	1091.2
130°	1802.6	1834.0	1959.7	2085.4	1959.7	1834.0	1802.6	1592.6	1312.5	1172.5	1092.9
132.5°	1731.1	1759.2	1871.8	1984.4	1871.8	1759.2	1731.1	1543.1	1292.4	1167.0	1094.0
135°	1630.1	1654.4	1751.4	1848.5	1751.4	1654.4	1630.1	1472.6	1262.7	1157.7	1093.0
137.5°	1555.5	1575.4	1654.8	1734.3	1654.8	1575.4	1555.5	1422.4	1244.8	1156.1	1099.7
140°	1495.7	1514.3	1588.5	1662.7	1588.5	1514.3	1495.7	1380.7	1227.4	1150.7	1100.8
142.5°	1453.8	1469.7	1533.6	1597.5	1533.6	1469.7	1453.8	1352.7	1218.0	1150.7	1104.7
145°	1390.8	1402.9	1451.2	1499.5	1451.2	1402.9	1390.8	1308.2	1198.0	1142.9	1104.8
147.5°	1338.0	1347.9	1388.0	1428.1	1388.0	1347.9	1338.0	1272.9	1186.3	1142.9	1112.4
150°	1307.7	1315.8	1348.2	1380.7	1348.2	1315.8	1307.7	1252.8	1179.5	1142.9	1116.3
152.5°	1283.6	1289.8	1314.2	1338.7	1314.2	1289.8	1283.6	1236.7	1174.2	1142.9	1118.9
155°	1254.8	1258.8	1275.1	1291.3	1275.1	1258.8	1254.8	1217.6	1167.8	1142.9	1124.6
157.5°	1230.0	1232.8	1244.2	1255.6	1244.2	1232.8	1230.0	1200.9	1162.3	1142.9	1130.3
160°	1217.6	1219.2	1225.8	1232.3	1225.8	1219.2	1217.6	1192.7	1159.6	1142.9	1132.9
162.5°	1205.9	1207.5	1213.6	1219.9	1213.6	1207.5	1205.9	1184.9	1156.9	1142.9	1135.7
165°	1188.0	1189.7	1196.3	1202.8	1196.3	1189.7	1188.0	1173.0	1152.9	1142.9	1139.7
167.5°	1180.2	1180.9	1183.7	1186.5	1183.7	1180.9	1180.2	1170.4	1157.2	1150.7	1147.9
170°	1180.2	1180.2	1180.2	1180.2	1180.2	1180.2	1180.2	1170.4	1157.2	1150.7	1150.5
172.5°	1174.0	1173.5	1171.0	1168.6	1171.0	1173.5	1174.0	1166.3	1155.9	1150.7	1150.7
175°	1165.4	1165.4	1165.4	1165.4	1165.4	1165.4	1165.4	1160.5	1154.0	1150.7	1152.3
177.5°	1164.0	1163.3	1160.5	1157.7	1160.5	1163.3	1164.0	1160.0	1154.9	1152.3	1153.5
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935108  
 CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1324.2	1324.2	1324.2	1324.2	1324.2
2.5°	1307.9	1314.1	1318.0	1322.9	1335.4
5°	1257.8	1281.6	1289.1	1307.9	1330.5
7.5°	1147.5	1220.2	1240.3	1285.4	1320.4
10°	1041.0	1113.7	1148.8	1255.3	1307.9
12.5°	987.1	1029.8	1053.6	1202.7	1290.3
15°	953.3	983.4	1001.0	1132.5	1270.3
17.5°	927.1	948.4	960.9	1063.6	1242.8
20°	910.7	920.8	932.0	1013.5	1211.4
22.5°	899.5	893.3	902.0	978.5	1168.8
25°	892.0	868.2	878.2	950.9	1118.7
27.5°	898.2	845.6	849.4	925.8	1066.2
30°	899.5	818.1	819.3	899.5	1007.2
32.5°	890.8	789.2	790.5	866.9	940.8
35°	869.5	755.4	754.2	829.3	850.6
37.5°	840.6	719.1	719.1	788.0	751.7
40°	805.6	682.8	686.5	734.1	664.0
42.5°	763.0	643.9	648.9	662.8	598.8
45°	716.6	606.4	610.1	560.0	548.7
47.5°	665.2	567.5	568.8	464.8	532.5
50°	603.8	527.4	522.4	398.4	531.2
52.5°	549.9	483.5	468.5	360.8	482.3
55°	497.4	437.2	404.6	331.9	447.2
57.5°	451.0	377.1	345.8	298.1	439.7
60°	408.4	318.2	294.4	261.8	403.4
62.5°	373.3	274.3	269.4	236.8	365.8
65°	335.8	244.3	243.0	215.5	310.6
67.5°	299.4	224.3	223.0	195.4	236.8
70°	260.6	203.0	200.4	174.1	175.4
72.5°	220.5	179.1	176.6	156.6	145.3
75°	180.4	151.6	150.4	136.6	117.8
77.5°	141.6	120.3	122.7	110.2	86.5
80°	101.4	87.7	90.2	78.9	65.1
82.5°	67.6	57.6	60.1	50.2	43.8
85°	37.5	32.6	33.8	26.3	20.1
87.5°	17.6	15.0	15.0	10.0	6.3
90°	34.2	21.8	20.2	14.0	7.8
92.5°	210.8	150.0	136.8	84.0	31.1
95°	518.7	292.2	268.0	171.3	74.6
97.5°	698.8	320.9	299.6	214.3	129.0
100°	764.3	345.0	325.7	248.3	170.9
102.5°	794.3	369.0	351.0	278.8	206.7
105°	816.6	404.8	389.5	328.4	267.3
107.5°	820.8	457.7	443.4	386.4	329.4
110°	814.5	487.2	474.3	422.8	371.4



TEST NUMBER: P935108

CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	814.8	522.9	510.7	461.6	412.5
115°	822.3	576.6	565.3	520.0	474.8
117.5°	837.6	628.6	618.3	577.2	536.1
120°	850.0	658.8	649.2	610.6	571.9
122.5°	867.9	694.6	684.9	645.9	606.8
125°	892.0	740.5	731.6	696.0	660.4
127.5°	916.1	784.7	775.8	739.8	704.0
130°	933.6	814.3	804.5	765.9	727.2
132.5°	947.9	838.4	828.6	790.0	751.3
135°	963.5	866.4	857.6	822.3	787.1
137.5°	986.8	902.1	893.4	858.4	823.6
140°	1001.0	926.2	918.1	886.0	853.9
142.5°	1012.9	944.0	936.6	906.9	877.2
145°	1028.5	971.3	964.8	938.9	913.0
147.5°	1051.3	1005.5	999.1	973.9	948.7
150°	1063.2	1023.3	1017.6	994.8	972.0
152.5°	1070.9	1035.0	1030.7	1013.4	996.1
155°	1088.0	1060.6	1057.4	1044.6	1031.8
157.5°	1105.1	1086.2	1083.2	1070.6	1058.2
160°	1113.0	1097.9	1095.5	1085.9	1076.2
162.5°	1121.2	1110.3	1108.6	1101.3	1094.0
165°	1133.1	1128.2	1126.5	1120.0	1113.4
167.5°	1142.4	1138.3	1137.5	1134.3	1131.3
170°	1150.2	1149.9	1149.2	1146.0	1142.9
172.5°	1150.7	1150.7	1150.5	1149.8	1149.2
175°	1155.4	1157.7	1157.7	1157.7	1157.7
177.5°	1155.9	1157.7	1157.7	1157.7	1157.7
180°	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935108  
 CATALOG NUMBER: SQ4-FA-100U-050D-B50-1D-UNV-STD-W-8

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.09	9.81	10.19	10.91	12.42	11.93	12.64	13.03	13.74	15.26
	3H	9.56	10.20	10.67	11.30	12.84	13.27	13.91	14.38	15.01	16.54
	4H	9.74	10.35	10.86	11.46	12.99	13.70	14.31	14.82	15.42	16.96
	6H	9.85	10.41	10.98	11.52	13.07	13.98	14.54	15.11	15.65	17.20
	8H	9.85	10.38	10.98	11.51	13.05	14.05	14.59	15.19	15.71	17.25
	12H	9.81	10.32	10.95	11.44	13.00	14.09	14.59	15.23	15.71	17.28
4H	2H	10.11	10.72	11.24	11.82	13.36	12.32	12.93	13.45	14.04	15.57
	3H	11.12	11.63	12.25	12.76	14.31	13.81	14.32	14.95	15.45	17.00
	4H	11.39	11.86	12.53	12.98	14.55	14.34	14.80	15.47	15.93	17.50
	6H	11.51	11.91	12.65	13.05	14.61	14.70	15.09	15.84	16.24	17.80
	8H	11.51	11.88	12.65	13.02	14.60	14.80	15.17	15.94	16.31	17.89
	12H	11.47	11.81	12.63	12.96	14.54	14.85	15.19	16.01	16.34	17.92
8H	4H	11.83	12.21	12.98	13.34	14.92	14.45	14.82	15.59	15.96	17.54
	6H	12.09	12.40	13.25	13.58	15.15	14.88	15.19	16.05	16.37	17.94
	8H	12.13	12.40	13.30	13.56	15.15	15.03	15.30	16.20	16.46	18.05
	12H	12.11	12.34	13.28	13.50	15.13	15.13	15.36	16.30	16.52	18.15
12H	4H	11.83	12.17	12.99	13.32	14.90	14.41	14.74	15.57	15.89	17.48
	6H	12.15	12.42	13.32	13.58	15.17	14.88	15.15	16.05	16.31	17.90
	8H	12.21	12.44	13.38	13.60	15.23	15.03	15.27	16.21	16.43	18.05