

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: P935452

Luminaire Tested: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935452
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

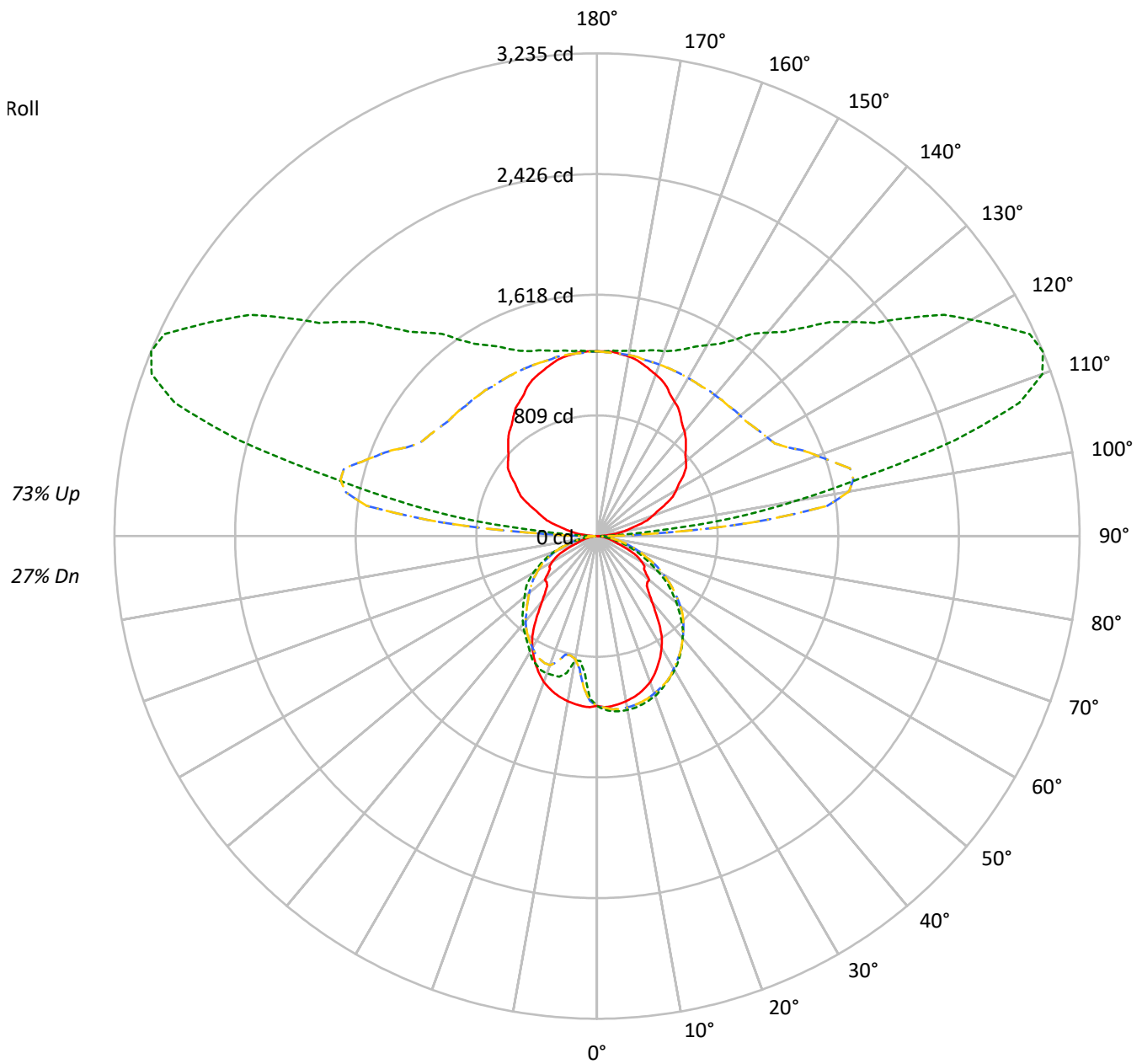
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10988.3 lumens
Efficiency: N/A
Efficacy: 115.4 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): 95.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935452
CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



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



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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5282	5282	5282	5282
5°	5322	5332	5322	4193
10°	5286	5253	5286	3755
15°	5229	5138	5229	4291
20°	5119	5004	5119	4300
25°	4895	4807	4895	4209
30°	4606	4644	4606	4009
35°	4106	4437	4106	3789
40°	3422	4194	3422	3623
45°	3057	3910	3057	3431
50°	3248	3571	3248	3240
55°	3056	3205	3056	3129
60°	3150	2722	3150	2866
65°	2856	2250	2856	2515
70°	1978	1793	1978	2109
75°	1735	1326	1735	1587
80°	1397	876	1397	954
85°	806	464	806	394

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4685 cd/sqm



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CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	0.9
10°-20°	291.8	2.7
20°-30°	451.0	4.1
30°-40°	538.4	4.9
40°-50°	541.6	4.9
50°-60°	471.3	4.3
60°-70°	334.1	3.0
70°-80°	176.8	1.6
80°-90°	48.8	0.4
90°-100°	603.9	5.5
100°-110°	1587.8	14.4
110°-120°	1646.3	15.0
120°-130°	1320.6	12.0
130°-140°	1036.2	9.4
140°-150°	795.3	7.2
150°-160°	572.7	5.2
160°-170°	350.4	3.2
170°-180°	118.4	1.1
0°-30°	845.6	7.7
0°-40°	1384.0	12.6
0°-60°	2396.9	21.8
0°-90°	2956.6	26.9
90°-120°	3838.1	34.9
90°-150°	6990.1	63.6
90°-180°	8032.0	73.1
0°-180°	10988.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1138	1138	1138	1138	1138	
5°	1144	1179	1144	927	1144	109
15°	1092	1169	1092	976	1092	307
25°	962	1090	962	954	962	442
35°	731	973	731	830	731	452
45°	472	801	472	703	472	378
55°	384	591	384	577	384	353
65°	267	356	267	398	267	255
75°	101	169	101	202	101	106
85°	17	43	17	37	17	23
90°	8	32	8	32	8	8
95°	80	365	80	365	80	89
105°	286	2486	286	2486	286	303
115°	508	3201	508	3201	508	502
125°	707	2549	707	2549	707	628
135°	842	1978	842	1978	842	652
145°	977	1605	977	1605	977	612
155°	1104	1382	1104	1382	1104	507
165°	1192	1287	1192	1287	1192	336
175°	1239	1247	1239	1247	1239	118
180°	1239	1239	1239	1239	1239	



TEST NUMBER: P935452
 CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1148.1	1148.1	1154.6	1156.8	1156.8	1153.5	1150.3	1153.5	1163.2	1166.4	1165.4
5°	1143.9	1152.5	1164.4	1166.4	1168.6	1167.6	1165.4	1167.6	1178.3	1180.5	1181.5
7.5°	1135.2	1151.4	1166.4	1169.7	1172.9	1169.7	1168.6	1170.8	1181.5	1183.7	1183.7
10°	1124.4	1147.1	1164.4	1166.4	1169.7	1166.4	1166.4	1170.8	1181.5	1183.7	1184.7
12.5°	1109.3	1140.6	1156.8	1158.9	1163.2	1162.2	1161.1	1165.4	1176.2	1178.3	1178.3
15°	1092.2	1128.8	1143.9	1146.0	1153.5	1151.4	1151.4	1155.7	1167.6	1170.8	1169.7
17.5°	1068.5	1113.7	1130.9	1134.2	1139.5	1138.5	1139.5	1143.9	1154.6	1156.8	1157.8
20°	1041.5	1093.2	1113.7	1116.9	1122.3	1122.3	1122.3	1127.7	1138.5	1142.7	1142.7
22.5°	1004.9	1071.7	1093.2	1095.4	1101.9	1101.9	1104.0	1111.5	1121.2	1122.3	1122.3
25°	961.8	1048.0	1066.3	1072.7	1079.2	1082.4	1085.7	1090.0	1093.2	1092.2	1093.2
27.5°	916.6	1017.8	1041.5	1045.8	1054.4	1057.7	1062.0	1063.1	1064.1	1067.3	1065.3
30°	866.0	975.8	1011.4	1015.7	1029.7	1031.9	1027.5	1029.7	1035.1	1037.2	1039.4
32.5°	808.9	913.3	980.1	989.9	1002.8	996.3	995.2	998.5	1007.0	1007.0	1009.2
35°	731.3	864.9	951.1	959.7	969.4	961.8	966.2	967.2	972.6	975.8	974.8
37.5°	646.3	822.9	920.9	927.4	934.9	925.2	931.6	934.9	939.2	937.0	937.0
40°	570.9	757.1	885.4	889.6	896.1	888.6	895.0	897.2	899.4	897.2	896.1
42.5°	514.8	685.0	847.6	853.0	848.7	854.2	856.2	860.6	857.4	853.0	853.0
45°	471.8	665.6	806.7	813.2	806.7	815.4	818.6	818.6	808.9	806.7	805.6
47.5°	457.8	626.8	765.8	765.8	762.5	773.4	778.7	771.2	761.5	758.3	758.3
50°	456.7	583.8	709.8	705.5	720.5	733.5	728.1	720.5	713.0	701.2	701.2
52.5°	414.7	531.0	637.7	653.8	677.5	685.0	676.4	668.9	656.0	650.5	646.3
55°	384.5	476.1	571.9	604.3	629.0	638.7	622.6	615.0	595.6	592.4	590.2
57.5°	378.1	396.4	511.6	552.5	582.7	581.6	571.9	557.9	541.8	538.6	537.4
60°	346.8	286.5	446.9	495.5	526.7	523.5	514.8	501.9	486.9	484.7	482.5
62.5°	314.5	207.9	373.7	428.6	472.8	471.8	464.2	444.9	434.0	428.6	424.4
65°	267.1	174.5	266.0	356.5	420.0	422.2	406.1	392.0	380.2	373.7	372.7
67.5°	203.6	142.2	179.9	297.3	369.5	367.3	346.8	340.4	325.3	322.1	315.6
70°	150.8	94.8	124.9	241.3	319.9	314.5	298.3	290.8	276.8	269.2	265.0
72.5°	124.9	76.4	91.5	187.4	269.2	262.8	248.8	240.2	228.4	221.9	217.5
75°	101.3	80.8	70.0	138.9	218.7	214.3	201.4	192.8	183.1	174.5	175.5
77.5°	74.4	75.4	56.0	102.3	173.4	166.9	159.4	148.6	144.3	135.7	135.7
80°	56.0	59.3	42.0	70.0	124.9	124.9	118.4	111.0	103.4	99.1	99.1
82.5°	37.7	37.7	31.2	44.2	85.1	81.8	77.6	75.4	71.1	68.9	68.9
85°	17.3	21.5	19.4	26.9	46.3	48.5	48.5	46.3	45.2	43.1	44.2
87.5°	5.4	9.7	11.9	15.1	23.7	24.8	25.9	25.9	25.9	26.9	26.9
90°	8.4	15.0	21.6	23.3	36.6	54.4	63.2	56.1	42.1	31.6	31.6
92.5°	33.2	89.8	146.4	160.5	225.6	312.4	355.9	311.9	224.0	158.0	151.7
95°	79.8	183.3	286.8	312.7	555.2	878.6	1040.2	928.3	704.3	536.3	517.3
97.5°	138.0	229.3	320.6	343.4	747.8	1287.0	1556.6	1485.9	1344.3	1238.1	1201.9
100°	182.9	265.7	348.5	369.2	817.9	1416.3	1715.4	1720.6	1730.9	1738.7	1695.6
102.5°	221.1	298.4	375.6	395.0	850.1	1457.0	1760.3	1850.5	2030.9	2166.1	2129.2
105°	286.0	351.5	416.8	433.2	873.9	1461.5	1755.4	1957.5	2361.8	2665.0	2645.2
107.5°	352.6	413.5	474.5	489.7	878.3	1396.5	1655.5	1937.6	2501.5	2924.4	2929.3
110°	397.5	452.6	507.7	521.4	871.7	1338.8	1572.4	1887.7	2518.1	2990.9	3011.7



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	441.6	494.0	546.5	559.6	872.0	1288.5	1496.7	1819.4	2464.6	2948.5	2980.3
115°	508.1	556.5	604.8	616.9	880.0	1230.8	1406.1	1716.9	2338.5	2804.7	2848.8
117.5°	573.7	617.7	661.7	672.7	896.4	1194.6	1343.7	1624.2	2185.2	2606.0	2654.9
120°	612.0	653.4	694.8	705.1	909.6	1182.4	1318.8	1575.1	2087.6	2472.1	2519.6
122.5°	649.4	691.1	732.9	743.3	928.7	1176.0	1299.7	1530.4	1992.1	2338.3	2385.1
125°	706.8	744.9	782.9	792.4	954.5	1170.8	1278.9	1475.0	1867.1	2161.1	2204.2
127.5°	753.4	791.8	830.2	839.9	980.4	1167.7	1261.4	1429.7	1766.4	2018.9	2055.3
130°	778.3	819.7	861.1	871.4	999.2	1169.6	1254.8	1404.6	1704.4	1929.1	1962.8
132.5°	804.0	845.5	886.8	897.2	1014.4	1170.8	1248.9	1383.1	1651.4	1852.6	1882.7
135°	842.3	880.0	917.7	927.1	1031.1	1169.6	1238.9	1351.3	1576.0	1744.5	1770.5
137.5°	881.4	918.7	956.1	965.4	1056.0	1176.9	1237.3	1332.3	1522.2	1664.7	1686.0
140°	913.8	948.2	982.6	991.1	1071.3	1178.1	1231.5	1313.5	1477.6	1600.7	1620.5
142.5°	938.8	970.6	1002.3	1010.3	1084.0	1182.3	1231.5	1303.5	1447.6	1555.7	1572.8
145°	977.0	1004.7	1032.5	1039.4	1100.7	1182.3	1223.1	1282.1	1400.0	1488.4	1501.4
147.5°	1015.3	1042.3	1069.3	1076.0	1125.1	1190.4	1223.1	1269.5	1362.3	1431.9	1442.6
150°	1040.2	1064.6	1089.0	1095.1	1137.8	1194.7	1223.1	1262.3	1340.7	1399.5	1408.1
152.5°	1066.0	1084.5	1102.9	1107.6	1146.1	1197.4	1223.1	1256.6	1323.5	1373.7	1380.3
155°	1104.3	1117.9	1131.6	1135.0	1164.4	1203.5	1223.1	1249.8	1303.0	1342.9	1347.3
157.5°	1132.6	1145.8	1159.1	1162.4	1182.7	1209.6	1223.1	1243.8	1285.2	1316.3	1319.3
160°	1151.7	1162.0	1172.4	1174.9	1191.0	1212.4	1223.1	1240.9	1276.4	1302.9	1304.7
162.5°	1170.8	1178.5	1186.3	1188.2	1199.8	1215.3	1223.1	1238.1	1268.0	1290.5	1292.2
165°	1191.6	1198.6	1205.6	1207.4	1212.6	1219.6	1223.1	1233.9	1255.3	1271.4	1273.2
167.5°	1210.7	1214.0	1217.3	1218.2	1222.6	1228.5	1231.5	1238.5	1252.5	1263.0	1263.8
170°	1223.1	1226.5	1229.9	1230.7	1230.9	1231.3	1231.5	1238.5	1252.5	1263.0	1263.0
172.5°	1229.8	1230.5	1231.3	1231.5	1231.5	1231.5	1231.5	1237.0	1248.1	1256.5	1255.8
175°	1238.9	1238.9	1238.9	1238.9	1236.5	1233.2	1231.5	1235.0	1242.0	1247.3	1247.3
177.5°	1238.9	1238.9	1238.9	1238.9	1237.0	1234.5	1233.2	1235.9	1241.4	1245.6	1244.9
180°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1167.6	1164.4	1167.6	1165.4	1166.4	1163.2	1153.5	1150.3	1153.5	1156.8	1156.8
5°	1181.5	1179.4	1181.5	1181.5	1180.5	1178.3	1167.6	1165.4	1167.6	1168.6	1166.4
7.5°	1185.9	1182.7	1185.9	1183.7	1183.7	1181.5	1170.8	1168.6	1169.7	1172.9	1169.7
10°	1185.9	1182.7	1185.9	1184.7	1183.7	1181.5	1170.8	1166.4	1166.4	1169.7	1166.4
12.5°	1180.5	1178.3	1180.5	1178.3	1178.3	1176.2	1165.4	1161.1	1162.2	1163.2	1158.9
15°	1171.8	1168.6	1171.8	1169.7	1170.8	1167.6	1155.7	1151.4	1151.4	1153.5	1146.0
17.5°	1158.9	1154.6	1158.9	1157.8	1156.8	1154.6	1143.9	1139.5	1138.5	1139.5	1134.2
20°	1143.9	1140.6	1143.9	1142.7	1142.7	1138.5	1127.7	1122.3	1122.3	1122.3	1116.9
22.5°	1120.2	1116.9	1120.2	1122.3	1122.3	1121.2	1111.5	1104.0	1101.9	1101.9	1095.4
25°	1093.2	1090.0	1093.2	1093.2	1092.2	1093.2	1090.0	1085.7	1082.4	1079.2	1072.7
27.5°	1067.3	1065.3	1067.3	1065.3	1067.3	1064.1	1063.1	1062.0	1057.7	1054.4	1045.8
30°	1041.5	1039.4	1041.5	1039.4	1037.2	1035.1	1029.7	1027.5	1031.9	1029.7	1015.7
32.5°	1009.2	1007.0	1009.2	1009.2	1007.0	1007.0	998.5	995.2	996.3	1002.8	989.9
35°	975.8	972.6	975.8	974.8	975.8	972.6	967.2	966.2	961.8	969.4	959.7
37.5°	937.0	933.8	937.0	937.0	937.0	939.2	934.9	931.6	925.2	934.9	927.4
40°	897.2	892.9	897.2	896.1	897.2	899.4	897.2	895.0	888.6	896.1	889.6
42.5°	852.0	850.9	852.0	853.0	853.0	857.4	860.6	856.2	854.2	848.7	853.0
45°	803.5	801.3	803.5	805.6	806.7	808.9	818.6	818.6	815.4	806.7	813.2
47.5°	751.8	746.4	751.8	758.3	758.3	761.5	771.2	778.7	773.4	762.5	765.8
50°	696.8	698.0	696.8	701.2	701.2	713.0	720.5	728.1	733.5	720.5	705.5
52.5°	643.0	641.9	643.0	646.3	650.5	656.0	668.9	676.4	685.0	677.5	653.8
55°	589.2	591.3	589.2	590.2	592.4	595.6	615.0	622.6	638.7	629.0	604.3
57.5°	535.3	532.1	535.3	537.4	538.6	541.8	557.9	571.9	581.6	582.7	552.5
60°	472.8	468.6	472.8	482.5	484.7	486.9	501.9	514.8	523.5	526.7	495.5
62.5°	417.9	410.3	417.9	424.4	428.6	434.0	444.9	464.2	471.8	472.8	428.6
65°	359.7	356.5	359.7	372.7	373.7	380.2	392.0	406.1	422.2	420.0	356.5
67.5°	307.0	307.0	307.0	315.6	322.1	325.3	340.4	346.8	367.3	369.5	297.3
70°	258.5	257.4	258.5	265.0	269.2	276.8	290.8	298.3	314.5	319.9	241.3
72.5°	212.2	211.1	212.2	217.5	221.9	228.4	240.2	248.8	262.8	269.2	187.4
75°	171.3	169.1	171.3	175.5	174.5	183.1	192.8	201.4	214.3	218.7	138.9
77.5°	131.4	131.4	131.4	135.7	135.7	144.3	148.6	159.4	166.9	173.4	102.3
80°	98.0	96.9	98.0	99.1	99.1	103.4	111.0	118.4	124.9	124.9	70.0
82.5°	68.9	66.8	68.9	68.9	68.9	71.1	75.4	77.6	81.8	85.1	44.2
85°	43.1	43.1	43.1	44.2	43.1	45.2	46.3	48.5	48.5	46.3	26.9
87.5°	28.0	26.9	28.0	26.9	26.9	25.9	25.9	25.9	24.8	23.7	15.1
90°	31.6	31.6	31.6	31.6	31.6	42.1	56.1	63.2	54.4	36.6	23.3
92.5°	126.6	101.4	126.6	151.7	158.0	224.0	311.9	355.9	312.4	225.6	160.5
95°	441.2	365.0	441.2	517.3	536.3	704.3	928.3	1040.2	878.6	555.2	312.7
97.5°	1057.1	912.2	1057.1	1201.9	1238.1	1344.3	1485.9	1556.6	1287.0	747.8	343.4
100°	1523.0	1350.4	1523.0	1695.6	1738.7	1730.9	1720.6	1715.4	1416.3	817.9	369.2
102.5°	1981.3	1833.5	1981.3	2129.2	2166.1	2030.9	1850.5	1760.3	1457.0	850.1	395.0
105°	2565.7	2486.2	2565.7	2645.2	2665.0	2361.8	1957.5	1755.4	1461.5	873.9	433.2
107.5°	2948.5	2967.6	2948.5	2929.3	2924.4	2501.5	1937.6	1655.5	1396.5	878.3	489.7
110°	3094.4	3177.2	3094.4	3011.7	2990.9	2518.1	1887.7	1572.4	1338.8	871.7	521.4



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3107.4	3234.6	3107.4	2980.3	2948.5	2464.6	1819.4	1496.7	1288.5	872.0	559.6
115°	3025.1	3201.3	3025.1	2848.8	2804.7	2338.5	1716.9	1406.1	1230.8	880.0	616.9
117.5°	2850.3	3045.9	2850.3	2654.9	2606.0	2185.2	1624.2	1343.7	1194.6	896.4	672.7
120°	2709.6	2899.5	2709.6	2519.6	2472.1	2087.6	1575.1	1318.8	1182.4	909.6	705.1
122.5°	2572.5	2759.8	2572.5	2385.1	2338.3	1992.1	1530.4	1299.7	1176.0	928.7	743.3
125°	2376.9	2549.4	2376.9	2204.2	2161.1	1867.1	1475.0	1278.9	1170.8	954.5	792.4
127.5°	2200.9	2346.5	2200.9	2055.3	2018.9	1766.4	1429.7	1261.4	1167.7	980.4	839.9
130°	2097.3	2231.8	2097.3	1962.8	1929.1	1704.4	1404.6	1254.8	1169.6	999.2	871.4
132.5°	2003.2	2123.7	2003.2	1882.7	1852.6	1651.4	1383.1	1248.9	1170.8	1014.4	897.2
135°	1874.4	1978.2	1874.4	1770.5	1744.5	1576.0	1351.3	1238.9	1169.6	1031.1	927.1
137.5°	1770.9	1856.0	1770.9	1686.0	1664.7	1522.2	1332.3	1237.3	1176.9	1056.0	965.4
140°	1700.0	1779.4	1700.0	1620.5	1600.7	1477.6	1313.5	1231.5	1178.1	1071.3	991.1
142.5°	1641.2	1709.6	1641.2	1572.8	1555.7	1447.6	1303.5	1231.5	1182.3	1084.0	1010.3
145°	1553.1	1604.8	1553.1	1501.4	1488.4	1400.0	1282.1	1223.1	1182.3	1100.7	1039.4
147.5°	1485.5	1528.3	1485.5	1442.6	1431.9	1362.3	1269.5	1223.1	1190.4	1125.1	1076.0
150°	1442.9	1477.6	1442.9	1408.1	1399.5	1340.7	1262.3	1223.1	1194.7	1137.8	1095.1
152.5°	1406.5	1432.7	1406.5	1380.3	1373.7	1323.5	1256.6	1223.1	1197.4	1146.1	1107.6
155°	1364.6	1382.0	1364.6	1347.3	1342.9	1303.0	1249.8	1223.1	1203.5	1164.4	1135.0
157.5°	1331.5	1343.7	1331.5	1319.3	1316.3	1285.2	1243.8	1223.1	1209.6	1182.7	1162.4
160°	1311.7	1318.8	1311.7	1304.7	1302.9	1276.4	1240.9	1223.1	1212.4	1191.0	1174.9
162.5°	1298.9	1305.5	1298.9	1292.2	1290.5	1268.0	1238.1	1223.1	1215.3	1199.8	1188.2
165°	1280.1	1287.2	1280.1	1273.2	1271.4	1255.3	1233.9	1223.1	1219.6	1212.6	1207.4
167.5°	1266.7	1269.7	1266.7	1263.8	1263.0	1252.5	1238.5	1231.5	1228.5	1222.6	1218.2
170°	1263.0	1263.0	1263.0	1263.0	1263.0	1252.5	1238.5	1231.5	1231.3	1230.9	1230.7
172.5°	1253.2	1250.6	1253.2	1255.8	1256.5	1248.1	1237.0	1231.5	1231.5	1231.5	1231.5
175°	1247.3	1247.3	1247.3	1247.3	1247.3	1242.0	1235.0	1231.5	1233.2	1236.5	1238.9
177.5°	1241.9	1238.9	1241.9	1244.9	1245.6	1241.4	1235.9	1233.2	1234.5	1237.0	1238.9
180°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1154.6	1148.1	1148.1	1137.4	1133.1	1129.8	1124.4	1108.3	1104.0	1099.7	1106.1
5°	1164.4	1152.5	1143.9	1124.4	1108.3	1101.9	1081.4	1042.6	1016.8	997.3	986.6
7.5°	1166.4	1151.4	1135.2	1105.1	1066.3	1049.0	986.6	915.5	896.1	878.9	868.1
10°	1164.4	1147.1	1124.4	1079.2	987.7	957.5	895.0	848.7	836.9	833.7	836.9
12.5°	1156.8	1140.6	1109.3	1034.0	905.8	885.4	848.7	821.8	819.6	825.0	854.2
15°	1143.9	1128.8	1092.2	973.6	860.6	845.5	819.6	810.0	821.8	859.5	946.7
17.5°	1130.9	1113.7	1068.5	914.5	826.1	815.4	797.1	816.4	883.2	933.8	962.9
20°	1113.7	1093.2	1041.5	871.3	801.3	791.7	783.0	870.3	920.9	939.2	955.3
22.5°	1093.2	1071.7	1004.9	841.2	775.5	768.0	773.4	900.4	920.9	933.8	947.8
25°	1066.3	1048.0	961.8	817.5	755.1	746.4	766.9	897.2	909.1	912.3	940.3
27.5°	1041.5	1017.8	916.6	795.9	730.2	727.0	772.2	883.2	891.8	895.0	925.2
30°	1011.4	975.8	866.0	773.4	704.4	703.3	773.4	866.0	863.8	872.5	902.6
32.5°	980.1	913.3	808.9	745.3	679.7	678.5	765.8	840.1	837.9	849.8	872.5
35°	951.1	864.9	731.3	713.0	648.4	649.5	747.5	810.0	811.0	821.8	835.8
37.5°	920.9	822.9	646.3	677.5	618.2	618.2	722.7	782.0	779.8	783.0	802.4
40°	885.4	757.1	570.9	631.2	590.2	587.0	692.6	751.8	744.2	743.2	770.1
42.5°	847.6	685.0	514.8	569.8	557.9	553.6	656.0	715.2	701.2	704.4	738.8
45°	806.7	665.6	471.8	481.5	524.5	521.3	616.1	673.2	663.4	672.1	707.6
47.5°	765.8	626.8	457.8	399.6	489.0	487.9	571.9	632.2	626.8	635.5	673.2
50°	709.8	583.8	456.7	342.5	449.1	453.5	519.1	592.4	592.4	599.9	639.8
52.5°	637.7	531.0	414.7	310.2	402.8	415.7	472.8	557.9	560.1	567.6	603.1
55°	571.9	476.1	384.5	285.4	347.9	375.9	427.6	522.4	526.7	534.2	566.5
57.5°	511.6	396.4	378.1	256.3	297.3	324.2	387.8	487.9	490.1	496.5	527.7
60°	446.9	286.5	346.8	225.1	253.1	273.6	351.2	446.9	454.5	458.8	485.7
62.5°	373.7	207.9	314.5	203.6	231.6	235.8	321.0	408.2	417.9	421.2	437.3
65°	266.0	174.5	267.1	185.3	208.9	210.1	288.7	368.3	377.0	382.4	394.2
67.5°	179.9	142.2	203.6	168.0	191.8	192.8	257.4	322.1	333.9	338.2	345.8
70°	124.9	94.8	150.8	149.7	172.3	174.5	224.0	280.0	290.8	294.1	298.3
72.5°	91.5	76.4	124.9	134.7	151.8	154.0	189.6	232.6	243.4	246.7	248.8
75°	70.0	80.8	101.3	117.4	129.3	130.3	155.1	189.6	197.1	199.2	200.3
77.5°	56.0	75.4	74.4	94.8	105.5	103.4	121.7	146.5	153.0	153.0	153.0
80°	42.0	59.3	56.0	67.9	77.6	75.4	87.2	104.5	106.6	108.8	107.7
82.5°	31.2	37.7	37.7	43.1	51.7	49.5	58.1	67.9	67.9	67.9	70.0
85°	19.4	21.5	17.3	22.6	29.1	28.0	32.3	36.6	37.7	37.7	35.6
87.5°	11.9	9.7	5.4	8.6	12.9	12.9	15.1	16.1	15.1	15.1	15.1
90°	21.6	15.0	8.4	15.0	21.6	23.3	36.6	54.4	63.2	56.1	42.1
92.5°	146.4	89.8	33.2	89.8	146.4	160.5	225.6	312.4	355.9	311.9	224.0
95°	286.8	183.3	79.8	183.3	286.8	312.7	555.2	878.6	1040.2	928.3	704.3
97.5°	320.6	229.3	138.0	229.3	320.6	343.4	747.8	1287.0	1556.6	1485.9	1344.3
100°	348.5	265.7	182.9	265.7	348.5	369.2	817.9	1416.3	1715.4	1720.6	1730.9
102.5°	375.6	298.4	221.1	298.4	375.6	395.0	850.1	1457.0	1760.3	1850.5	2030.9
105°	416.8	351.5	286.0	351.5	416.8	433.2	873.9	1461.5	1755.4	1957.5	2361.8
107.5°	474.5	413.5	352.6	413.5	474.5	489.7	878.3	1396.5	1655.5	1937.6	2501.5
110°	507.7	452.6	397.5	452.6	507.7	521.4	871.7	1338.8	1572.4	1887.7	2518.1



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	546.5	494.0	441.6	494.0	546.5	559.6	872.0	1288.5	1496.7	1819.4	2464.6
115°	604.8	556.5	508.1	556.5	604.8	616.9	880.0	1230.8	1406.1	1716.9	2338.5
117.5°	661.7	617.7	573.7	617.7	661.7	672.7	896.4	1194.6	1343.7	1624.2	2185.2
120°	694.8	653.4	612.0	653.4	694.8	705.1	909.6	1182.4	1318.8	1575.1	2087.6
122.5°	732.9	691.1	649.4	691.1	732.9	743.3	928.7	1176.0	1299.7	1530.4	1992.1
125°	782.9	744.9	706.8	744.9	782.9	792.4	954.5	1170.8	1278.9	1475.0	1867.1
127.5°	830.2	791.8	753.4	791.8	830.2	839.9	980.4	1167.7	1261.4	1429.7	1766.4
130°	861.1	819.7	778.3	819.7	861.1	871.4	999.2	1169.6	1254.8	1404.6	1704.4
132.5°	886.8	845.5	804.0	845.5	886.8	897.2	1014.4	1170.8	1248.9	1383.1	1651.4
135°	917.7	880.0	842.3	880.0	917.7	927.1	1031.1	1169.6	1238.9	1351.3	1576.0
137.5°	956.1	918.7	881.4	918.7	956.1	965.4	1056.0	1176.9	1237.3	1332.3	1522.2
140°	982.6	948.2	913.8	948.2	982.6	991.1	1071.3	1178.1	1231.5	1313.5	1477.6
142.5°	1002.3	970.6	938.8	970.6	1002.3	1010.3	1084.0	1182.3	1231.5	1303.5	1447.6
145°	1032.5	1004.7	977.0	1004.7	1032.5	1039.4	1100.7	1182.3	1223.1	1282.1	1400.0
147.5°	1069.3	1042.3	1015.3	1042.3	1069.3	1076.0	1125.1	1190.4	1223.1	1269.5	1362.3
150°	1089.0	1064.6	1040.2	1064.6	1089.0	1095.1	1137.8	1194.7	1223.1	1262.3	1340.7
152.5°	1102.9	1084.5	1066.0	1084.5	1102.9	1107.6	1146.1	1197.4	1223.1	1256.6	1323.5
155°	1131.6	1117.9	1104.3	1117.9	1131.6	1135.0	1164.4	1203.5	1223.1	1249.8	1303.0
157.5°	1159.1	1145.8	1132.6	1145.8	1159.1	1162.4	1182.7	1209.6	1223.1	1243.8	1285.2
160°	1172.4	1162.0	1151.7	1162.0	1172.4	1174.9	1191.0	1212.4	1223.1	1240.9	1276.4
162.5°	1186.3	1178.5	1170.8	1178.5	1186.3	1188.2	1199.8	1215.3	1223.1	1238.1	1268.0
165°	1205.6	1198.6	1191.6	1198.6	1205.6	1207.4	1212.6	1219.6	1223.1	1233.9	1255.3
167.5°	1217.3	1214.0	1210.7	1214.0	1217.3	1218.2	1222.6	1228.5	1231.5	1238.5	1252.5
170°	1229.9	1226.5	1223.1	1226.5	1229.9	1230.7	1230.9	1231.3	1231.5	1238.5	1252.5
172.5°	1231.3	1230.5	1229.8	1230.5	1231.3	1231.5	1231.5	1231.5	1231.5	1237.0	1248.1
175°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1236.5	1233.2	1231.5	1235.0	1242.0
177.5°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1237.0	1234.5	1233.2	1235.9	1241.4
180°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1098.6	1095.4	1099.7	1087.8	1099.7	1095.4	1098.6	1106.1	1099.7	1104.0	1108.3
5°	964.0	958.6	941.4	927.4	941.4	958.6	964.0	986.6	997.3	1016.8	1042.6
7.5°	861.6	857.4	853.0	844.4	853.0	857.4	861.6	868.1	878.9	896.1	915.5
10°	839.1	840.1	846.6	845.5	846.6	840.1	839.1	836.9	833.7	836.9	848.7
12.5°	897.2	906.9	942.4	940.3	942.4	906.9	897.2	854.2	825.0	819.6	821.8
15°	964.0	967.2	974.8	975.8	974.8	967.2	964.0	946.7	859.5	821.8	810.0
17.5°	970.4	971.5	976.9	976.9	976.9	971.5	970.4	962.9	933.8	883.2	816.4
20°	965.0	967.2	978.0	980.1	978.0	967.2	965.0	955.3	939.2	920.9	870.3
22.5°	962.9	967.2	975.8	974.8	975.8	967.2	962.9	947.8	933.8	920.9	900.4
25°	952.1	952.1	953.2	954.3	953.2	952.1	952.1	940.3	912.3	909.1	897.2
27.5°	929.5	931.6	938.1	937.0	938.1	931.6	929.5	925.2	895.0	891.8	883.2
30°	909.1	906.9	901.5	897.2	901.5	906.9	909.1	902.6	872.5	863.8	866.0
32.5°	874.5	869.2	863.8	860.6	863.8	869.2	874.5	872.5	849.8	837.9	840.1
35°	833.7	834.7	833.7	830.4	833.7	834.7	833.7	835.8	821.8	811.0	810.0
37.5°	804.6	806.7	805.6	801.3	805.6	806.7	804.6	802.4	783.0	779.8	782.0
40°	774.4	775.5	774.4	771.2	774.4	775.5	774.4	770.1	743.2	744.2	751.8
42.5°	745.3	744.2	741.0	738.8	741.0	744.2	745.3	738.8	704.4	701.2	715.2
45°	711.9	713.0	706.6	703.3	706.6	713.0	711.9	707.6	672.1	663.4	673.2
47.5°	678.5	678.5	673.2	669.9	673.2	678.5	678.5	673.2	635.5	626.8	632.2
50°	643.0	641.9	634.4	633.3	634.4	641.9	643.0	639.8	599.9	592.4	592.4
52.5°	602.1	602.1	603.1	605.3	603.1	602.1	602.1	603.1	567.6	560.1	557.9
55°	566.5	567.6	575.2	577.3	575.2	567.6	566.5	566.5	534.2	526.7	522.4
57.5°	529.9	529.9	535.3	535.3	535.3	529.9	529.9	527.7	496.5	490.1	487.9
60°	487.9	490.1	494.4	493.3	494.4	490.1	487.9	485.7	458.8	454.5	446.9
62.5°	443.7	445.9	446.9	444.9	446.9	445.9	443.7	437.3	421.2	417.9	408.2
65°	397.4	399.6	400.7	398.5	400.7	399.6	397.4	394.2	382.4	377.0	368.3
67.5°	350.0	349.0	347.9	352.2	347.9	349.0	350.0	345.8	338.2	333.9	322.1
70°	301.6	301.6	300.5	302.7	300.5	301.6	301.6	298.3	294.1	290.8	280.0
72.5°	249.9	248.8	253.1	249.9	253.1	248.8	249.9	248.8	246.7	243.4	232.6
75°	199.2	201.4	199.2	202.5	199.2	201.4	199.2	200.3	199.2	197.1	189.6
77.5°	151.8	154.0	151.8	151.8	151.8	154.0	151.8	153.0	153.0	153.0	146.5
80°	107.7	106.6	106.6	105.5	106.6	106.6	107.7	107.7	108.8	106.6	104.5
82.5°	68.9	67.9	67.9	70.0	67.9	67.9	68.9	70.0	67.9	67.9	67.9
85°	37.7	38.8	36.6	36.6	36.6	38.8	37.7	35.6	37.7	37.7	36.6
87.5°	14.0	12.9	12.9	12.9	12.9	12.9	14.0	15.1	15.1	15.1	16.1
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.1	56.1	63.2	54.4
92.5°	158.0	151.7	126.6	101.4	126.6	151.7	158.0	224.0	311.9	355.9	312.4
95°	536.3	517.3	441.2	365.0	441.2	517.3	536.3	704.3	928.3	1040.2	878.6
97.5°	1238.1	1201.9	1057.1	912.2	1057.1	1201.9	1238.1	1344.3	1485.9	1556.6	1287.0
100°	1738.7	1695.6	1523.0	1350.4	1523.0	1695.6	1738.7	1730.9	1720.6	1715.4	1416.3
102.5°	2166.1	2129.2	1981.3	1833.5	1981.3	2129.2	2166.1	2030.9	1850.5	1760.3	1457.0
105°	2665.0	2645.2	2565.7	2486.2	2565.7	2645.2	2665.0	2361.8	1957.5	1755.4	1461.5
107.5°	2924.4	2929.3	2948.5	2967.6	2948.5	2929.3	2924.4	2501.5	1937.6	1655.5	1396.5
110°	2990.9	3011.7	3094.4	3177.2	3094.4	3011.7	2990.9	2518.1	1887.7	1572.4	1338.8



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2948.5	2980.3	3107.4	3234.6	3107.4	2980.3	2948.5	2464.6	1819.4	1496.7	1288.5
115°	2804.7	2848.8	3025.1	3201.3	3025.1	2848.8	2804.7	2338.5	1716.9	1406.1	1230.8
117.5°	2606.0	2654.9	2850.3	3045.9	2850.3	2654.9	2606.0	2185.2	1624.2	1343.7	1194.6
120°	2472.1	2519.6	2709.6	2899.5	2709.6	2519.6	2472.1	2087.6	1575.1	1318.8	1182.4
122.5°	2338.3	2385.1	2572.5	2759.8	2572.5	2385.1	2338.3	1992.1	1530.4	1299.7	1176.0
125°	2161.1	2204.2	2376.9	2549.4	2376.9	2204.2	2161.1	1867.1	1475.0	1278.9	1170.8
127.5°	2018.9	2055.3	2200.9	2346.5	2200.9	2055.3	2018.9	1766.4	1429.7	1261.4	1167.7
130°	1929.1	1962.8	2097.3	2231.8	2097.3	1962.8	1929.1	1704.4	1404.6	1254.8	1169.6
132.5°	1852.6	1882.7	2003.2	2123.7	2003.2	1882.7	1852.6	1651.4	1383.1	1248.9	1170.8
135°	1744.5	1770.5	1874.4	1978.2	1874.4	1770.5	1744.5	1576.0	1351.3	1238.9	1169.6
137.5°	1664.7	1686.0	1770.9	1856.0	1770.9	1686.0	1664.7	1522.2	1332.3	1237.3	1176.9
140°	1600.7	1620.5	1700.0	1779.4	1700.0	1620.5	1600.7	1477.6	1313.5	1231.5	1178.1
142.5°	1555.7	1572.8	1641.2	1709.6	1641.2	1572.8	1555.7	1447.6	1303.5	1231.5	1182.3
145°	1488.4	1501.4	1553.1	1604.8	1553.1	1501.4	1488.4	1400.0	1282.1	1223.1	1182.3
147.5°	1431.9	1442.6	1485.5	1528.3	1485.5	1442.6	1431.9	1362.3	1269.5	1223.1	1190.4
150°	1399.5	1408.1	1442.9	1477.6	1442.9	1408.1	1399.5	1340.7	1262.3	1223.1	1194.7
152.5°	1373.7	1380.3	1406.5	1432.7	1406.5	1380.3	1373.7	1323.5	1256.6	1223.1	1197.4
155°	1342.9	1347.3	1364.6	1382.0	1364.6	1347.3	1342.9	1303.0	1249.8	1223.1	1203.5
157.5°	1316.3	1319.3	1331.5	1343.7	1331.5	1319.3	1316.3	1285.2	1243.8	1223.1	1209.6
160°	1302.9	1304.7	1311.7	1318.8	1311.7	1304.7	1302.9	1276.4	1240.9	1223.1	1212.4
162.5°	1290.5	1292.2	1298.9	1305.5	1298.9	1292.2	1290.5	1268.0	1238.1	1223.1	1215.3
165°	1271.4	1273.2	1280.1	1287.2	1280.1	1273.2	1271.4	1255.3	1233.9	1223.1	1219.6
167.5°	1263.0	1263.8	1266.7	1269.7	1266.7	1263.8	1263.0	1252.5	1238.5	1231.5	1228.5
170°	1263.0	1263.0	1263.0	1263.0	1263.0	1263.0	1263.0	1252.5	1238.5	1231.5	1231.3
172.5°	1256.5	1255.8	1253.2	1250.6	1253.2	1255.8	1256.5	1248.1	1237.0	1231.5	1231.5
175°	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1242.0	1235.0	1231.5	1233.2
177.5°	1245.6	1244.9	1241.9	1238.9	1241.9	1244.9	1245.6	1241.4	1235.9	1233.2	1234.5
180°	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9	1238.9



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1124.4	1129.8	1133.1	1137.4	1148.1
5°	1081.4	1101.9	1108.3	1124.4	1143.9
7.5°	986.6	1049.0	1066.3	1105.1	1135.2
10°	895.0	957.5	987.7	1079.2	1124.4
12.5°	848.7	885.4	905.8	1034.0	1109.3
15°	819.6	845.5	860.6	973.6	1092.2
17.5°	797.1	815.4	826.1	914.5	1068.5
20°	783.0	791.7	801.3	871.3	1041.5
22.5°	773.4	768.0	775.5	841.2	1004.9
25°	766.9	746.4	755.1	817.5	961.8
27.5°	772.2	727.0	730.2	795.9	916.6
30°	773.4	703.3	704.4	773.4	866.0
32.5°	765.8	678.5	679.7	745.3	808.9
35°	747.5	649.5	648.4	713.0	731.3
37.5°	722.7	618.2	618.2	677.5	646.3
40°	692.6	587.0	590.2	631.2	570.9
42.5°	656.0	553.6	557.9	569.8	514.8
45°	616.1	521.3	524.5	481.5	471.8
47.5°	571.9	487.9	489.0	399.6	457.8
50°	519.1	453.5	449.1	342.5	456.7
52.5°	472.8	415.7	402.8	310.2	414.7
55°	427.6	375.9	347.9	285.4	384.5
57.5°	387.8	324.2	297.3	256.3	378.1
60°	351.2	273.6	253.1	225.1	346.8
62.5°	321.0	235.8	231.6	203.6	314.5
65°	288.7	210.1	208.9	185.3	267.1
67.5°	257.4	192.8	191.8	168.0	203.6
70°	224.0	174.5	172.3	149.7	150.8
72.5°	189.6	154.0	151.8	134.7	124.9
75°	155.1	130.3	129.3	117.4	101.3
77.5°	121.7	103.4	105.5	94.8	74.4
80°	87.2	75.4	77.6	67.9	56.0
82.5°	58.1	49.5	51.7	43.1	37.7
85°	32.3	28.0	29.1	22.6	17.3
87.5°	15.1	12.9	12.9	8.6	5.4
90°	36.6	23.3	21.6	15.0	8.4
92.5°	225.6	160.5	146.4	89.8	33.2
95°	555.2	312.7	286.8	183.3	79.8
97.5°	747.8	343.4	320.6	229.3	138.0
100°	817.9	369.2	348.5	265.7	182.9
102.5°	850.1	395.0	375.6	298.4	221.1
105°	873.9	433.2	416.8	351.5	286.0
107.5°	878.3	489.7	474.5	413.5	352.6
110°	871.7	521.4	507.7	452.6	397.5



TEST NUMBER: P935452

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	872.0	559.6	546.5	494.0	441.6
115°	880.0	616.9	604.8	556.5	508.1
117.5°	896.4	672.7	661.7	617.7	573.7
120°	909.6	705.1	694.8	653.4	612.0
122.5°	928.7	743.3	732.9	691.1	649.4
125°	954.5	792.4	782.9	744.9	706.8
127.5°	980.4	839.9	830.2	791.8	753.4
130°	999.2	871.4	861.1	819.7	778.3
132.5°	1014.4	897.2	886.8	845.5	804.0
135°	1031.1	927.1	917.7	880.0	842.3
137.5°	1056.0	965.4	956.1	918.7	881.4
140°	1071.3	991.1	982.6	948.2	913.8
142.5°	1084.0	1010.3	1002.3	970.6	938.8
145°	1100.7	1039.4	1032.5	1004.7	977.0
147.5°	1125.1	1076.0	1069.3	1042.3	1015.3
150°	1137.8	1095.1	1089.0	1064.6	1040.2
152.5°	1146.1	1107.6	1102.9	1084.5	1066.0
155°	1164.4	1135.0	1131.6	1117.9	1104.3
157.5°	1182.7	1162.4	1159.1	1145.8	1132.6
160°	1191.0	1174.9	1172.4	1162.0	1151.7
162.5°	1199.8	1188.2	1186.3	1178.5	1170.8
165°	1212.6	1207.4	1205.6	1198.6	1191.6
167.5°	1222.6	1218.2	1217.3	1214.0	1210.7
170°	1230.9	1230.7	1229.9	1226.5	1223.1
172.5°	1231.5	1231.5	1231.3	1230.5	1229.8
175°	1236.5	1238.9	1238.9	1238.9	1238.9
177.5°	1237.0	1238.9	1238.9	1238.9	1238.9
180°	1238.9	1238.9	1238.9	1238.9	1238.9



TEST NUMBER: P935452
 CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-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	7.93	8.62	9.07	9.74	11.31	10.77	11.46	11.90	12.58	14.15
	3H	8.40	9.01	9.54	10.14	11.73	12.11	12.72	13.25	13.85	15.44
	4H	8.58	9.16	9.73	10.30	11.88	12.54	13.13	13.69	14.26	15.85
	6H	8.69	9.23	9.85	10.36	11.96	12.82	13.36	13.98	14.49	16.09
	8H	8.69	9.20	9.85	10.35	11.94	12.89	13.40	14.05	14.55	16.14
	12H	8.65	9.14	9.82	10.28	11.89	12.93	13.41	14.09	14.55	16.17
4H	2H	8.95	9.53	10.10	10.66	12.25	11.16	11.74	12.32	12.87	14.46
	3H	9.96	10.44	11.12	11.60	13.20	12.65	13.14	13.81	14.30	15.89
	4H	10.23	10.67	11.39	11.82	13.44	13.17	13.62	14.34	14.77	16.39
	6H	10.34	10.72	11.51	11.89	13.50	13.53	13.91	14.70	15.08	16.69
	8H	10.34	10.70	11.51	11.86	13.49	13.63	13.99	14.80	15.15	16.78
	12H	10.30	10.63	11.49	11.80	13.43	13.68	14.01	14.87	15.18	16.81
8H	4H	10.67	11.02	11.84	12.19	13.81	13.28	13.64	14.45	14.80	16.43
	6H	10.92	11.22	12.11	12.42	14.04	13.71	14.01	14.90	15.21	16.83
	8H	10.96	11.22	12.16	12.40	14.04	13.87	14.12	15.06	15.30	16.95
	12H	10.94	11.16	12.14	12.34	14.02	13.96	14.18	15.16	15.36	17.04
12H	4H	10.66	10.99	11.85	12.16	13.79	13.24	13.56	14.42	14.74	16.37
	6H	10.98	11.24	12.18	12.42	14.06	13.71	13.97	14.90	15.15	16.79
	8H	11.04	11.26	12.24	12.44	14.12	13.86	14.09	15.06	15.27	16.94