

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: P935066

Luminaire Tested: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935066
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-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

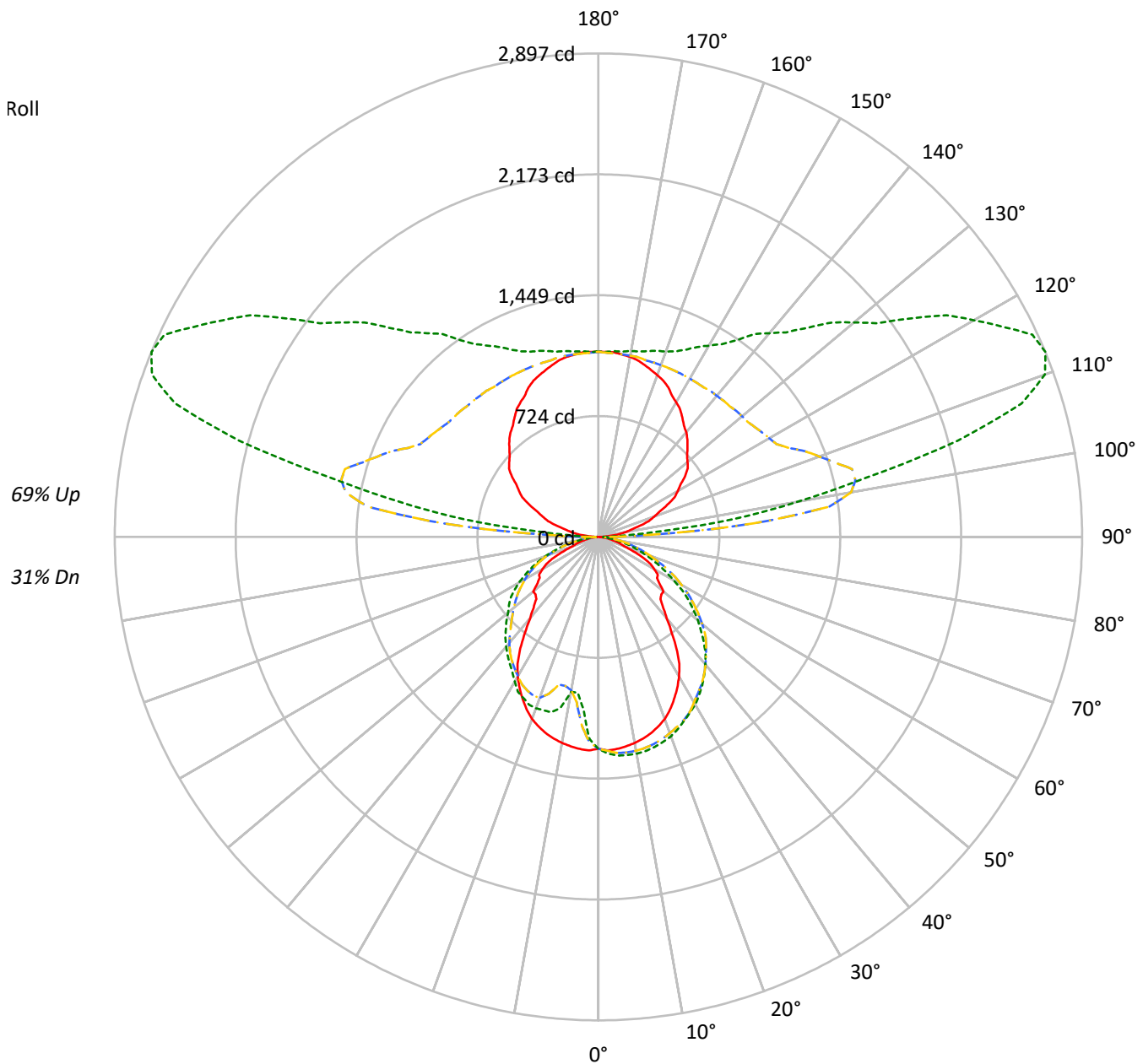
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10489.5 lumens
Efficiency: N/A
Efficacy: 127.3 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: P935066
CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5890	5890	5890	5890
5°	5933	5945	5933	4675
10°	5893	5856	5893	4187
15°	5829	5729	5829	4784
20°	5707	5579	5707	4794
25°	5458	5360	5458	4692
30°	5135	5178	5135	4469
35°	4578	4947	4578	4224
40°	3815	4676	3815	4039
45°	3409	4359	3409	3826
50°	3621	3981	3621	3612
55°	3407	3573	3407	3488
60°	3512	3035	3512	3195
65°	3184	2509	3184	2804
70°	2205	1999	2205	2350
75°	1934	1478	1934	1770
80°	1557	977	1557	1063
85°	894	518	894	440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5224 cd/sqm



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	1.1
10°-20°	325.3	3.1
20°-30°	502.9	4.8
30°-40°	600.3	5.7
40°-50°	603.9	5.8
50°-60°	525.4	5.0
60°-70°	372.5	3.6
70°-80°	197.1	1.9
80°-90°	53.3	0.5
90°-100°	541.0	5.2
100°-110°	1422.2	13.6
110°-120°	1474.7	14.1
120°-130°	1182.9	11.3
130°-140°	928.1	8.8
140°-150°	712.4	6.8
150°-160°	513.0	4.9
160°-170°	313.9	3.0
170°-180°	106.0	1.0
0°-30°	942.8	9.0
0°-40°	1543.1	14.7
0°-60°	2672.4	25.5
0°-90°	3295.4	31.4
90°-120°	3437.8	32.8
90°-150°	6261.1	59.7
90°-180°	7194.0	68.6
0°-180°	10489.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1269	1269	1269	1269	1269	
5°	1275	1315	1275	1034	1275	121
15°	1218	1303	1218	1088	1218	343
25°	1072	1215	1072	1064	1072	492
35°	815	1084	815	926	815	504
45°	526	893	526	784	526	421
55°	429	659	429	644	429	394
65°	298	398	298	444	298	285
75°	113	189	113	226	113	119
85°	19	48	19	41	19	26
90°	7	28	7	28	7	7
95°	72	327	72	327	72	79
105°	256	2227	256	2227	256	272
115°	455	2868	455	2868	455	449
125°	633	2284	633	2284	633	562
135°	754	1772	754	1772	754	584
145°	875	1437	875	1437	875	548
155°	989	1238	989	1238	989	454
165°	1067	1153	1067	1153	1067	301
175°	1110	1117	1110	1117	1110	105
180°	1110	1110	1110	1110	1110	



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1280.1	1280.1	1287.4	1289.8	1289.8	1286.1	1282.5	1286.1	1296.9	1300.5	1299.4
5°	1275.4	1285.0	1298.2	1300.5	1302.9	1301.8	1299.4	1301.8	1313.8	1316.2	1317.4
7.5°	1265.7	1283.8	1300.5	1304.2	1307.8	1304.2	1302.9	1305.4	1317.4	1319.8	1319.8
10°	1253.7	1279.0	1298.2	1300.5	1304.2	1300.5	1300.5	1305.4	1317.4	1319.8	1320.9
12.5°	1236.9	1271.7	1289.8	1292.1	1296.9	1295.8	1294.5	1299.4	1311.4	1313.8	1313.8
15°	1217.7	1258.5	1275.4	1277.7	1286.1	1283.8	1283.8	1288.5	1301.8	1305.4	1304.2
17.5°	1191.3	1241.7	1261.0	1264.5	1270.5	1269.4	1270.5	1275.4	1287.4	1289.8	1291.0
20°	1161.2	1218.9	1241.7	1245.3	1251.3	1251.3	1251.3	1257.3	1269.4	1274.1	1274.1
22.5°	1120.4	1194.9	1218.9	1221.3	1228.5	1228.5	1230.9	1239.3	1250.1	1251.3	1251.3
25°	1072.4	1168.5	1188.9	1196.0	1203.3	1206.9	1210.5	1215.3	1218.9	1217.7	1218.9
27.5°	1022.0	1134.8	1161.2	1166.1	1175.6	1179.3	1184.1	1185.3	1186.5	1190.0	1187.7
30°	965.5	1088.0	1127.6	1132.5	1148.1	1150.5	1145.6	1148.1	1154.1	1156.5	1158.9
32.5°	901.8	1018.3	1092.8	1103.7	1118.1	1110.8	1109.6	1113.2	1122.8	1122.8	1125.2
35°	815.4	964.3	1060.4	1070.0	1080.8	1072.4	1077.2	1078.4	1084.4	1088.0	1086.8
37.5°	720.5	917.5	1026.7	1034.0	1042.4	1031.6	1038.7	1042.4	1047.2	1044.7	1044.7
40°	636.5	844.2	987.2	991.9	999.2	990.8	997.9	1000.3	1002.7	1000.3	999.2
42.5°	574.0	763.8	945.1	951.1	946.3	952.3	954.7	959.5	955.9	951.1	951.1
45°	526.0	742.1	899.4	906.7	899.4	909.1	912.7	912.7	901.8	899.4	898.3
47.5°	510.4	698.9	853.9	853.9	850.2	862.3	868.3	859.9	849.0	845.4	845.4
50°	509.2	650.9	791.4	786.6	803.4	817.8	811.8	803.4	794.9	781.8	781.8
52.5°	462.3	592.1	711.0	729.0	755.4	763.8	754.1	745.8	731.4	725.3	720.5
55°	428.7	530.8	637.6	673.7	701.3	712.1	694.1	685.7	664.1	660.5	658.1
57.5°	421.5	441.9	570.4	616.1	649.6	648.5	637.6	622.1	604.1	600.5	599.2
60°	386.7	319.4	498.3	552.4	587.2	583.7	574.0	559.6	542.8	540.4	538.0
62.5°	350.7	231.8	416.7	477.9	527.2	526.0	517.6	496.0	483.9	477.9	473.2
65°	297.8	194.6	296.6	397.5	468.3	470.8	452.8	437.1	423.9	416.7	415.5
67.5°	227.0	158.6	200.5	331.4	411.9	409.5	386.7	379.5	362.7	359.1	351.9
70°	168.1	105.6	139.3	269.0	356.7	350.7	332.6	324.3	308.6	300.2	295.5
72.5°	139.3	85.2	102.1	209.0	300.2	293.0	277.4	267.8	254.6	247.4	242.5
75°	112.9	90.1	78.1	154.9	243.8	239.0	224.5	215.0	204.1	194.6	195.7
77.5°	82.9	84.1	62.4	114.1	193.4	186.1	177.7	165.7	160.9	151.3	151.3
80°	62.4	66.1	46.8	78.1	139.3	139.3	132.1	123.7	115.3	110.5	110.5
82.5°	42.0	42.0	34.8	49.2	94.9	91.2	86.5	84.1	79.2	76.8	76.8
85°	19.2	24.0	21.6	30.0	51.7	54.1	54.1	51.7	50.4	48.1	49.2
87.5°	6.0	10.8	13.3	16.8	26.4	27.7	28.8	28.8	28.8	30.0	30.0
90°	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7	28.3	28.3
92.5°	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6	141.5	135.9
95°	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8	480.4	463.4
97.5°	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1	1109.0	1076.6
100°	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4	1557.4	1518.7
102.5°	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1	1940.2	1907.1
105°	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4	2387.1	2369.3
107.5°	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6	2619.4	2623.7
110°	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5	2679.0	2697.6



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6	2641.1	2669.6
115°	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7	2512.2	2551.7
117.5°	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3	2334.2	2377.9
120°	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9	2214.3	2256.8
122.5°	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3	2094.4	2136.4
125°	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4	1935.8	1974.4
127.5°	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2	1808.4	1840.9
130°	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6	1728.0	1758.0
132.5°	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1	1659.4	1686.3
135°	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6	1562.6	1585.9
137.5°	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5	1491.1	1510.1
140°	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5	1433.8	1451.6
142.5°	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7	1393.6	1408.9
145°	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0	1333.2	1344.8
147.5°	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2	1282.5	1292.1
150°	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9	1253.5	1261.3
152.5°	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5	1230.4	1236.3
155°	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1	1202.9	1206.7
157.5°	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2	1179.0	1181.7
160°	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3	1167.1	1168.7
162.5°	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8	1155.9	1157.5
165°	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4	1138.8	1140.4
167.5°	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9	1131.3	1131.9
170°	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9	1131.3	1131.3
172.5°	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0	1125.4	1124.9
175°	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4	1117.2	1117.2
177.5°	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0	1115.7	1115.1
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1301.8	1298.2	1301.8	1299.4	1300.5	1296.9	1286.1	1282.5	1286.1	1289.8	1289.8
5°	1317.4	1314.9	1317.4	1317.4	1316.2	1313.8	1301.8	1299.4	1301.8	1302.9	1300.5
7.5°	1322.2	1318.6	1322.2	1319.8	1319.8	1317.4	1305.4	1302.9	1304.2	1307.8	1304.2
10°	1322.2	1318.6	1322.2	1320.9	1319.8	1317.4	1305.4	1300.5	1300.5	1304.2	1300.5
12.5°	1316.2	1313.8	1316.2	1313.8	1313.8	1311.4	1299.4	1294.5	1295.8	1296.9	1292.1
15°	1306.5	1302.9	1306.5	1304.2	1305.4	1301.8	1288.5	1283.8	1283.8	1286.1	1277.7
17.5°	1292.1	1287.4	1292.1	1291.0	1289.8	1287.4	1275.4	1270.5	1269.4	1270.5	1264.5
20°	1275.4	1271.7	1275.4	1274.1	1274.1	1269.4	1257.3	1251.3	1251.3	1251.3	1245.3
22.5°	1249.0	1245.3	1249.0	1251.3	1251.3	1250.1	1239.3	1230.9	1228.5	1228.5	1221.3
25°	1218.9	1215.3	1218.9	1218.9	1217.7	1218.9	1215.3	1210.5	1206.9	1203.3	1196.0
27.5°	1190.0	1187.7	1190.0	1187.7	1190.0	1186.5	1185.3	1184.1	1179.3	1175.6	1166.1
30°	1161.2	1158.9	1161.2	1158.9	1156.5	1154.1	1148.1	1145.6	1150.5	1148.1	1132.5
32.5°	1125.2	1122.8	1125.2	1125.2	1122.8	1122.8	1113.2	1109.6	1110.8	1118.1	1103.7
35°	1088.0	1084.4	1088.0	1086.8	1088.0	1084.4	1078.4	1077.2	1072.4	1080.8	1070.0
37.5°	1044.7	1041.2	1044.7	1044.7	1044.7	1047.2	1042.4	1038.7	1031.6	1042.4	1034.0
40°	1000.3	995.5	1000.3	999.2	1000.3	1002.7	1000.3	997.9	990.8	999.2	991.9
42.5°	949.9	948.7	949.9	951.1	951.1	955.9	959.5	954.7	952.3	946.3	951.1
45°	895.8	893.4	895.8	898.3	899.4	901.8	912.7	912.7	909.1	899.4	906.7
47.5°	838.2	832.2	838.2	845.4	845.4	849.0	859.9	868.3	862.3	850.2	853.9
50°	777.0	778.2	777.0	781.8	781.8	794.9	803.4	811.8	817.8	803.4	786.6
52.5°	717.0	715.7	717.0	720.5	725.3	731.4	745.8	754.1	763.8	755.4	729.0
55°	656.9	659.3	656.9	658.1	660.5	664.1	685.7	694.1	712.1	701.3	673.7
57.5°	596.8	593.2	596.8	599.2	600.5	604.1	622.1	637.6	648.5	649.6	616.1
60°	527.2	522.4	527.2	538.0	540.4	542.8	559.6	574.0	583.7	587.2	552.4
62.5°	465.9	457.5	465.9	473.2	477.9	483.9	496.0	517.6	526.0	527.2	477.9
65°	401.1	397.5	401.1	415.5	416.7	423.9	437.1	452.8	470.8	468.3	397.5
67.5°	342.3	342.3	342.3	351.9	359.1	362.7	379.5	386.7	409.5	411.9	331.4
70°	288.2	287.0	288.2	295.5	300.2	308.6	324.3	332.6	350.7	356.7	269.0
72.5°	236.5	235.4	236.5	242.5	247.4	254.6	267.8	277.4	293.0	300.2	209.0
75°	191.0	188.6	191.0	195.7	194.6	204.1	215.0	224.5	239.0	243.8	154.9
77.5°	146.5	146.5	146.5	151.3	151.3	160.9	165.7	177.7	186.1	193.4	114.1
80°	109.3	108.1	109.3	110.5	110.5	115.3	123.7	132.1	139.3	139.3	78.1
82.5°	76.8	74.5	76.8	76.8	76.8	79.2	84.1	86.5	91.2	94.9	49.2
85°	48.1	48.1	48.1	49.2	48.1	50.4	51.7	54.1	54.1	51.7	30.0
87.5°	31.2	30.0	31.2	30.0	30.0	28.8	28.8	28.8	27.7	26.4	16.8
90°	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6	32.8	20.9
92.5°	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9	202.1	143.8
95°	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9	497.3	280.1
97.5°	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8	669.9	307.6
100°	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6	732.6	330.7
102.5°	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9	761.4	353.7
105°	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1	782.8	388.0
107.5°	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8	786.8	438.7
110°	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2	780.8	467.0



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1	781.1	501.3
115°	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4	788.2	552.7
117.5°	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0	802.9	602.5
120°	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2	814.8	631.6
122.5°	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3	831.9	665.8
125°	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7	855.0	709.8
127.5°	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0	878.1	752.2
130°	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6	895.0	780.5
132.5°	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7	908.7	803.6
135°	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7	923.6	830.5
137.5°	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1	945.9	864.7
140°	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2	959.5	887.8
142.5°	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0	971.0	904.9
145°	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1	985.9	931.0
147.5°	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3	1007.8	963.8
150°	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1	1019.1	980.9
152.5°	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6	1026.6	992.1
155°	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0	1042.9	1016.6
157.5°	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5	1059.3	1041.2
160°	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0	1066.9	1052.4
162.5°	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6	1074.7	1064.3
165°	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5	1086.2	1081.4
167.5°	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3	1095.1	1091.1
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8	1102.6	1102.3
172.5°	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5	1107.5	1109.7
177.5°	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7	1108.0	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1287.4	1280.1	1280.1	1268.1	1263.4	1259.7	1253.7	1235.7	1230.9	1226.1	1233.3
5°	1298.2	1285.0	1275.4	1253.7	1235.7	1228.5	1205.7	1162.5	1133.6	1112.0	1100.0
7.5°	1300.5	1283.8	1265.7	1232.1	1188.9	1169.6	1100.0	1020.7	999.2	979.9	967.9
10°	1298.2	1279.0	1253.7	1203.3	1101.2	1067.6	997.9	946.3	933.1	929.5	933.1
12.5°	1289.8	1271.7	1236.9	1152.9	1009.9	987.2	946.3	916.3	913.8	919.8	952.3
15°	1275.4	1258.5	1217.7	1085.6	959.5	942.7	913.8	903.1	916.3	958.3	1055.6
17.5°	1261.0	1241.7	1191.3	1019.6	921.1	909.1	888.7	910.3	984.8	1041.2	1073.6
20°	1241.7	1218.9	1161.2	971.5	893.4	882.7	873.0	970.3	1026.7	1047.2	1065.2
22.5°	1218.9	1194.9	1120.4	937.9	864.6	856.3	862.3	1003.9	1026.7	1041.2	1056.7
25°	1188.9	1168.5	1072.4	911.5	841.9	832.2	855.0	1000.3	1013.6	1017.2	1048.4
27.5°	1161.2	1134.8	1022.0	887.4	814.2	810.6	861.0	984.8	994.3	997.9	1031.6
30°	1127.6	1088.0	965.5	862.3	785.4	784.2	862.3	965.5	963.1	972.8	1006.3
32.5°	1092.8	1018.3	901.8	831.0	757.8	756.5	853.9	936.7	934.3	947.5	972.8
35°	1060.4	964.3	815.4	794.9	723.0	724.1	833.4	903.1	904.3	916.3	931.9
37.5°	1026.7	917.5	720.5	755.4	689.3	689.3	805.8	871.9	869.4	873.0	894.7
40°	987.2	844.2	636.5	703.7	658.1	654.5	772.2	838.2	829.8	828.6	858.6
42.5°	945.1	763.8	574.0	635.3	622.1	617.2	731.4	797.4	781.8	785.4	823.8
45°	899.4	742.1	526.0	536.8	584.8	581.2	686.9	750.5	739.7	749.4	788.9
47.5°	853.9	698.9	510.4	445.5	545.2	544.0	637.6	704.9	698.9	708.5	750.5
50°	791.4	650.9	509.2	381.9	500.7	505.6	578.8	660.5	660.5	668.9	713.3
52.5°	711.0	592.1	462.3	345.9	449.1	463.5	527.2	622.1	624.5	632.9	672.5
55°	637.6	530.8	428.7	318.2	387.8	419.1	476.8	582.4	587.2	595.7	631.6
57.5°	570.4	441.9	421.5	285.8	331.4	361.4	432.3	544.0	546.4	553.6	588.4
60°	498.3	319.4	386.7	251.0	282.2	305.0	391.5	498.3	506.7	511.6	541.6
62.5°	416.7	231.8	350.7	227.0	258.2	263.0	357.9	455.2	465.9	469.6	487.6
65°	296.6	194.6	297.8	206.5	233.0	234.2	321.9	410.7	420.3	426.3	439.5
67.5°	200.5	158.6	227.0	187.3	213.8	215.0	287.0	359.1	372.3	377.1	385.5
70°	139.3	105.6	168.1	166.9	192.1	194.6	249.8	312.2	324.3	327.9	332.6
72.5°	102.1	85.2	139.3	150.1	169.3	171.7	211.4	259.4	271.4	275.0	277.4
75°	78.1	90.1	112.9	130.9	144.1	145.3	172.9	211.4	219.8	222.1	223.4
77.5°	62.4	84.1	82.9	105.6	117.6	115.3	135.7	163.3	170.6	170.6	170.6
80°	46.8	66.1	62.4	75.7	86.5	84.1	97.2	116.5	118.9	121.3	120.1
82.5°	34.8	42.0	42.0	48.1	57.7	55.2	64.8	75.7	75.7	75.7	78.1
85°	21.6	24.0	19.2	25.2	32.4	31.2	36.0	40.8	42.0	42.0	39.7
87.5°	13.3	10.8	6.0	9.6	14.4	14.4	16.8	18.0	16.8	16.8	16.8
90°	19.3	13.4	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7
92.5°	131.2	80.5	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6
95°	256.9	164.2	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8
97.5°	287.2	205.4	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1
100°	312.2	238.0	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4
102.5°	336.5	267.3	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1
105°	373.3	314.8	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4
107.5°	425.0	370.4	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6
110°	454.6	405.3	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	489.6	442.5	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6
115°	541.8	498.4	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7
117.5°	592.7	553.3	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3
120°	622.3	585.3	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9
122.5°	656.5	619.1	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3
125°	701.3	667.2	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4
127.5°	743.6	709.2	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2
130°	771.2	734.2	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6
132.5°	794.3	757.3	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1
135°	822.1	788.2	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6
137.5°	856.4	822.9	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5
140°	880.1	849.3	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5
142.5°	897.8	869.3	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7
145°	924.9	900.0	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0
147.5°	957.7	933.5	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2
150°	975.4	953.6	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9
152.5°	988.0	971.4	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5
155°	1013.6	1001.3	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1
157.5°	1038.3	1026.3	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2
160°	1050.1	1040.9	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3
162.5°	1062.6	1055.7	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8
165°	1079.8	1073.6	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4
167.5°	1090.4	1087.4	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9
170°	1101.6	1098.5	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9
172.5°	1102.8	1102.2	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0
175°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4
177.5°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1224.9	1221.3	1226.1	1212.9	1226.1	1221.3	1224.9	1233.3	1226.1	1230.9	1235.7
5°	1074.8	1068.8	1049.6	1034.0	1049.6	1068.8	1074.8	1100.0	1112.0	1133.6	1162.5
7.5°	960.7	955.9	951.1	941.5	951.1	955.9	960.7	967.9	979.9	999.2	1020.7
10°	935.5	936.7	943.9	942.7	943.9	936.7	935.5	933.1	929.5	933.1	946.3
12.5°	1000.3	1011.2	1050.7	1048.4	1050.7	1011.2	1000.3	952.3	919.8	913.8	916.3
15°	1074.8	1078.4	1086.8	1088.0	1086.8	1078.4	1074.8	1055.6	958.3	916.3	903.1
17.5°	1082.0	1083.2	1089.2	1089.2	1089.2	1083.2	1082.0	1073.6	1041.2	984.8	910.3
20°	1076.0	1078.4	1090.4	1092.8	1090.4	1078.4	1076.0	1065.2	1047.2	1026.7	970.3
22.5°	1073.6	1078.4	1088.0	1086.8	1088.0	1078.4	1073.6	1056.7	1041.2	1026.7	1003.9
25°	1061.6	1061.6	1062.8	1064.0	1062.8	1061.6	1061.6	1048.4	1017.2	1013.6	1000.3
27.5°	1036.3	1038.7	1046.0	1044.7	1046.0	1038.7	1036.3	1031.6	997.9	994.3	984.8
30°	1013.6	1011.2	1005.2	1000.3	1005.2	1011.2	1013.6	1006.3	972.8	963.1	965.5
32.5°	975.1	969.1	963.1	959.5	963.1	969.1	975.1	972.8	947.5	934.3	936.7
35°	929.5	930.7	929.5	925.8	929.5	930.7	929.5	931.9	916.3	904.3	903.1
37.5°	897.1	899.4	898.3	893.4	898.3	899.4	897.1	894.7	873.0	869.4	871.9
40°	863.4	864.6	863.4	859.9	863.4	864.6	863.4	858.6	828.6	829.8	838.2
42.5°	831.0	829.8	826.2	823.8	826.2	829.8	831.0	823.8	785.4	781.8	797.4
45°	793.8	794.9	787.8	784.2	787.8	794.9	793.8	788.9	749.4	739.7	750.5
47.5°	756.5	756.5	750.5	747.0	750.5	756.5	756.5	750.5	708.5	698.9	704.9
50°	717.0	715.7	707.3	706.1	707.3	715.7	717.0	713.3	668.9	660.5	660.5
52.5°	671.3	671.3	672.5	674.9	672.5	671.3	671.3	672.5	632.9	624.5	622.1
55°	631.6	632.9	641.3	643.6	641.3	632.9	631.6	631.6	595.7	587.2	582.4
57.5°	590.8	590.8	596.8	596.8	596.8	590.8	590.8	588.4	553.6	546.4	544.0
60°	544.0	546.4	551.2	550.0	551.2	546.4	544.0	541.6	511.6	506.7	498.3
62.5°	494.7	497.2	498.3	496.0	498.3	497.2	494.7	487.6	469.6	465.9	455.2
65°	443.1	445.5	446.8	444.3	446.8	445.5	443.1	439.5	426.3	420.3	410.7
67.5°	390.3	389.1	387.8	392.7	387.8	389.1	390.3	385.5	377.1	372.3	359.1
70°	336.3	336.3	335.0	337.4	335.0	336.3	336.3	332.6	327.9	324.3	312.2
72.5°	278.6	277.4	282.2	278.6	282.2	277.4	278.6	277.4	275.0	271.4	259.4
75°	222.1	224.5	222.1	225.8	222.1	224.5	222.1	223.4	222.1	219.8	211.4
77.5°	169.3	171.7	169.3	169.3	169.3	171.7	169.3	170.6	170.6	170.6	163.3
80°	120.1	118.9	118.9	117.6	118.9	118.9	120.1	120.1	121.3	118.9	116.5
82.5°	76.8	75.7	75.7	78.1	75.7	75.7	76.8	78.1	75.7	75.7	75.7
85°	42.0	43.2	40.8	40.8	40.8	43.2	42.0	39.7	42.0	42.0	40.8
87.5°	15.6	14.4	14.4	14.4	14.4	14.4	15.6	16.8	16.8	16.8	18.0
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6
92.5°	141.5	135.9	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9
95°	480.4	463.4	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9
97.5°	1109.0	1076.6	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8
100°	1557.4	1518.7	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6
102.5°	1940.2	1907.1	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9
105°	2387.1	2369.3	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1
107.5°	2619.4	2623.7	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8
110°	2679.0	2697.6	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2641.1	2669.6	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1
115°	2512.2	2551.7	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4
117.5°	2334.2	2377.9	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0
120°	2214.3	2256.8	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2
122.5°	2094.4	2136.4	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3
125°	1935.8	1974.4	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7
127.5°	1808.4	1840.9	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0
130°	1728.0	1758.0	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6
132.5°	1659.4	1686.3	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7
135°	1562.6	1585.9	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7
137.5°	1491.1	1510.1	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1
140°	1433.8	1451.6	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2
142.5°	1393.6	1408.9	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0
145°	1333.2	1344.8	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1
147.5°	1282.5	1292.1	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3
150°	1253.5	1261.3	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1
152.5°	1230.4	1236.3	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6
155°	1202.9	1206.7	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0
157.5°	1179.0	1181.7	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5
160°	1167.1	1168.7	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0
162.5°	1155.9	1157.5	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6
165°	1138.8	1140.4	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5
167.5°	1131.3	1131.9	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8
172.5°	1125.4	1124.9	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5
177.5°	1115.7	1115.1	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1269.4	1269.4	1269.4	1269.4	1269.4
2.5°	1253.7	1259.7	1263.4	1268.1	1280.1
5°	1205.7	1228.5	1235.7	1253.7	1275.4
7.5°	1100.0	1169.6	1188.9	1232.1	1265.7
10°	997.9	1067.6	1101.2	1203.3	1253.7
12.5°	946.3	987.2	1009.9	1152.9	1236.9
15°	913.8	942.7	959.5	1085.6	1217.7
17.5°	888.7	909.1	921.1	1019.6	1191.3
20°	873.0	882.7	893.4	971.5	1161.2
22.5°	862.3	856.3	864.6	937.9	1120.4
25°	855.0	832.2	841.9	911.5	1072.4
27.5°	861.0	810.6	814.2	887.4	1022.0
30°	862.3	784.2	785.4	862.3	965.5
32.5°	853.9	756.5	757.8	831.0	901.8
35°	833.4	724.1	723.0	794.9	815.4
37.5°	805.8	689.3	689.3	755.4	720.5
40°	772.2	654.5	658.1	703.7	636.5
42.5°	731.4	617.2	622.1	635.3	574.0
45°	686.9	581.2	584.8	536.8	526.0
47.5°	637.6	544.0	545.2	445.5	510.4
50°	578.8	505.6	500.7	381.9	509.2
52.5°	527.2	463.5	449.1	345.9	462.3
55°	476.8	419.1	387.8	318.2	428.7
57.5°	432.3	361.4	331.4	285.8	421.5
60°	391.5	305.0	282.2	251.0	386.7
62.5°	357.9	263.0	258.2	227.0	350.7
65°	321.9	234.2	233.0	206.5	297.8
67.5°	287.0	215.0	213.8	187.3	227.0
70°	249.8	194.6	192.1	166.9	168.1
72.5°	211.4	171.7	169.3	150.1	139.3
75°	172.9	145.3	144.1	130.9	112.9
77.5°	135.7	115.3	117.6	105.6	82.9
80°	97.2	84.1	86.5	75.7	62.4
82.5°	64.8	55.2	57.7	48.1	42.0
85°	36.0	31.2	32.4	25.2	19.2
87.5°	16.8	14.4	14.4	9.6	6.0
90°	32.8	20.9	19.3	13.4	7.4
92.5°	202.1	143.8	131.2	80.5	29.8
95°	497.3	280.1	256.9	164.2	71.5
97.5°	669.9	307.6	287.2	205.4	123.6
100°	732.6	330.7	312.2	238.0	163.8
102.5°	761.4	353.7	336.5	267.3	198.1
105°	782.8	388.0	373.3	314.8	256.2
107.5°	786.8	438.7	425.0	370.4	315.8
110°	780.8	467.0	454.6	405.3	356.0



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	781.1	501.3	489.6	442.5	395.5
115°	788.2	552.7	541.8	498.4	455.1
117.5°	802.9	602.5	592.7	553.3	513.9
120°	814.8	631.6	622.3	585.3	548.2
122.5°	831.9	665.8	656.5	619.1	581.7
125°	855.0	709.8	701.3	667.2	633.1
127.5°	878.1	752.2	743.6	709.2	674.8
130°	895.0	780.5	771.2	734.2	697.1
132.5°	908.7	803.6	794.3	757.3	720.2
135°	923.6	830.5	822.1	788.2	754.5
137.5°	945.9	864.7	856.4	822.9	789.5
140°	959.5	887.8	880.1	849.3	818.5
142.5°	971.0	904.9	897.8	869.3	840.9
145°	985.9	931.0	924.9	900.0	875.2
147.5°	1007.8	963.8	957.7	933.5	909.4
150°	1019.1	980.9	975.4	953.6	931.8
152.5°	1026.6	992.1	988.0	971.4	954.9
155°	1042.9	1016.6	1013.6	1001.3	989.1
157.5°	1059.3	1041.2	1038.3	1026.3	1014.4
160°	1066.9	1052.4	1050.1	1040.9	1031.6
162.5°	1074.7	1064.3	1062.6	1055.7	1048.7
165°	1086.2	1081.4	1079.8	1073.6	1067.3
167.5°	1095.1	1091.1	1090.4	1087.4	1084.4
170°	1102.6	1102.3	1101.6	1098.5	1095.6
172.5°	1103.0	1103.0	1102.8	1102.2	1101.6
175°	1107.5	1109.7	1109.7	1109.7	1109.7
177.5°	1108.0	1109.7	1109.7	1109.7	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935066

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-8-3500K

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	8.94	9.66	10.05	10.76	12.27	11.78	12.50	12.88	13.60	15.11
	3H	9.41	10.05	10.52	11.16	12.69	13.12	13.76	14.23	14.87	16.40
	4H	9.59	10.20	10.71	11.31	12.85	13.56	14.17	14.68	15.27	16.81
	6H	9.70	10.26	10.83	11.37	12.92	13.84	14.40	14.97	15.51	17.05
	8H	9.70	10.23	10.83	11.36	12.90	13.91	14.44	15.04	15.57	17.11
	12H	9.67	10.17	10.80	11.29	12.86	13.94	14.45	15.08	15.57	17.13
4H	2H	9.96	10.57	11.09	11.68	13.21	12.17	12.78	13.30	13.89	15.42
	3H	10.97	11.48	12.11	12.61	14.16	13.67	14.17	14.80	15.31	16.86
	4H	11.24	11.71	12.38	12.83	14.40	14.19	14.66	15.33	15.78	17.35
	6H	11.36	11.76	12.50	12.91	14.47	14.55	14.95	15.69	16.09	17.65
	8H	11.36	11.73	12.51	12.87	14.45	14.65	15.03	15.80	16.16	17.74
	12H	11.32	11.66	12.48	12.81	14.39	14.70	15.04	15.86	16.19	17.77
8H	4H	11.69	12.06	12.83	13.20	14.77	14.30	14.68	15.45	15.81	17.39
	6H	11.94	12.25	13.11	13.43	15.00	14.73	15.04	15.90	16.22	17.80
	8H	11.98	12.25	13.15	13.41	15.00	14.89	15.16	16.06	16.31	17.91
	12H	11.96	12.20	13.13	13.35	14.98	14.98	15.22	16.15	16.37	18.00
12H	4H	11.69	12.02	12.85	13.17	14.75	14.26	14.60	15.42	15.75	17.33
	6H	12.00	12.27	13.17	13.43	15.02	14.73	15.00	15.90	16.16	17.75
	8H	12.06	12.30	13.24	13.45	15.08	14.89	15.12	16.06	16.28	17.91