

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: P935047

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935047
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-92765-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

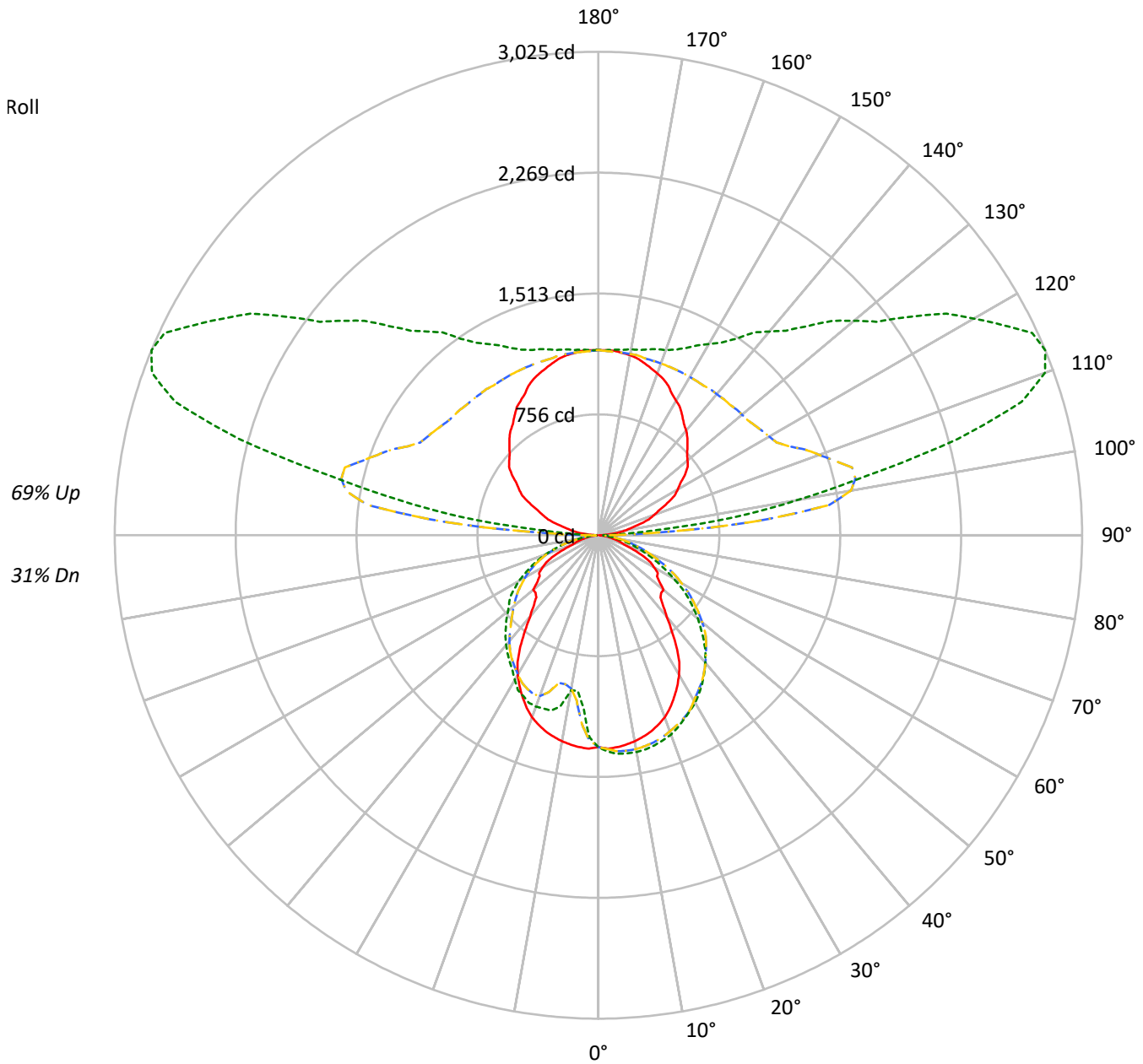
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10951.0 lumens
Efficiency: N/A
Efficacy: 132.9 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: P935047
CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

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°	6148	6148	6148	6148
5°	6194	6206	6194	4880
10°	6153	6114	6153	4371
15°	6086	5981	6086	4995
20°	5958	5824	5958	5005
25°	5698	5596	5698	4899
30°	5362	5406	5362	4666
35°	4779	5165	4779	4410
40°	3983	4882	3983	4217
45°	3558	4551	3558	3994
50°	3781	4156	3781	3771
55°	3556	3730	3556	3642
60°	3667	3168	3667	3336
65°	3324	2619	3324	2928
70°	2302	2088	2302	2454
75°	2019	1543	2019	1848
80°	1624	1020	1624	1110
85°	936	541	936	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5454 cd/sqm



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	1.1
10°-20°	339.6	3.1
20°-30°	525.0	4.8
30°-40°	626.8	5.7
40°-50°	630.4	5.8
50°-60°	548.5	5.0
60°-70°	388.9	3.6
70°-80°	205.8	1.9
80°-90°	55.7	0.5
90°-100°	564.8	5.2
100°-110°	1484.7	13.6
110°-120°	1539.5	14.1
120°-130°	1234.9	11.3
130°-140°	968.9	8.8
140°-150°	743.7	6.8
150°-160°	535.6	4.9
160°-170°	327.7	3.0
170°-180°	110.7	1.0
0°-30°	984.3	9.0
0°-40°	1611.0	14.7
0°-60°	2790.0	25.5
0°-90°	3440.4	31.4
90°-120°	3589.0	32.8
90°-150°	6536.6	59.7
90°-180°	7511.0	68.6
0°-180°	10951.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1325	1325	1325	1325	1325	
5°	1332	1373	1332	1080	1332	126
15°	1271	1360	1271	1136	1271	358
25°	1120	1269	1120	1111	1120	514
35°	851	1132	851	967	851	527
45°	549	933	549	819	549	440
55°	448	688	448	672	448	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°	268	2325	268	2325	268	284
115°	475	2994	475	2994	475	469
125°	661	2384	661	2384	661	587
135°	788	1850	788	1850	788	609
145°	914	1501	914	1501	914	572
155°	1033	1292	1033	1292	1033	474
165°	1114	1204	1114	1204	1114	314
175°	1159	1166	1159	1166	1159	110
180°	1159	1159	1159	1159	1159	



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2
2.5°	1336.4	1336.4	1344.0	1346.5	1346.5	1342.7	1339.0	1342.7	1354.0	1357.8	1356.5
5°	1331.5	1341.5	1355.3	1357.8	1360.3	1359.1	1356.5	1359.1	1371.6	1374.1	1375.3
7.5°	1321.4	1340.3	1357.8	1361.6	1365.3	1361.6	1360.3	1362.8	1375.3	1377.9	1377.9
10°	1308.9	1335.2	1355.3	1357.8	1361.6	1357.8	1357.8	1362.8	1375.3	1377.9	1379.1
12.5°	1291.3	1327.7	1346.5	1349.0	1354.0	1352.8	1351.5	1356.5	1369.1	1371.6	1371.6
15°	1271.3	1313.9	1331.5	1333.9	1342.7	1340.3	1340.3	1345.2	1359.1	1362.8	1361.6
17.5°	1243.7	1296.3	1316.4	1320.2	1326.4	1325.2	1326.4	1331.5	1344.0	1346.5	1347.8
20°	1212.3	1272.5	1296.3	1300.1	1306.3	1306.3	1306.3	1312.6	1325.2	1330.2	1330.2
22.5°	1169.7	1247.5	1272.5	1275.0	1282.6	1282.6	1285.0	1293.8	1305.1	1306.3	1306.3
25°	1119.6	1219.9	1241.2	1248.7	1256.2	1260.0	1263.7	1268.8	1272.5	1271.3	1272.5
27.5°	1067.0	1184.7	1212.3	1217.4	1227.4	1231.2	1236.1	1237.5	1238.7	1242.4	1240.0
30°	1008.0	1135.9	1177.3	1182.3	1198.6	1201.1	1196.0	1198.6	1204.8	1207.4	1209.9
32.5°	941.5	1063.1	1140.9	1152.2	1167.3	1159.7	1158.5	1162.2	1172.2	1172.2	1174.7
35°	851.2	1006.8	1107.1	1117.1	1128.4	1119.6	1124.6	1125.9	1132.1	1135.9	1134.6
37.5°	752.3	957.9	1071.9	1079.5	1088.3	1077.0	1084.4	1088.3	1093.2	1090.7	1090.7
40°	664.5	881.3	1030.6	1035.6	1043.1	1034.3	1041.8	1044.3	1046.9	1044.3	1043.1
42.5°	599.2	797.4	986.7	992.9	987.9	994.2	996.7	1001.7	998.0	992.9	992.9
45°	549.1	774.8	939.0	946.6	939.0	949.1	952.8	952.8	941.5	939.0	937.8
47.5°	532.9	729.6	891.4	891.4	887.6	900.2	906.5	897.7	886.4	882.6	882.6
50°	531.6	679.5	826.2	821.2	838.7	853.8	847.5	838.7	829.9	816.2	816.2
52.5°	482.7	618.1	742.3	761.0	788.6	797.4	787.3	778.6	763.6	757.2	752.3
55°	447.5	554.2	665.7	703.4	732.2	743.5	724.7	715.9	693.3	689.5	687.0
57.5°	440.1	461.4	595.5	643.2	678.2	677.0	665.7	649.4	630.6	626.9	625.6
60°	403.7	333.5	520.3	576.7	613.1	609.3	599.2	584.2	566.7	564.2	561.7
62.5°	366.1	242.0	435.0	498.9	550.4	549.1	540.4	517.8	505.2	498.9	494.0
65°	310.9	203.1	309.7	415.0	488.9	491.5	472.7	456.3	442.6	435.0	433.8
67.5°	236.9	165.5	209.4	346.0	430.1	427.5	403.7	396.2	378.6	374.9	367.3
70°	175.5	110.3	145.4	280.9	372.4	366.1	347.2	338.6	322.2	313.4	308.5
72.5°	145.4	89.0	106.6	218.2	313.4	305.9	289.6	279.6	265.8	258.3	253.2
75°	117.9	94.0	81.5	161.7	254.5	249.5	234.4	224.4	213.1	203.1	204.3
77.5°	86.6	87.8	65.1	119.1	201.9	194.3	185.5	173.0	168.0	158.0	158.0
80°	65.1	69.0	48.9	81.5	145.4	145.4	137.9	129.2	120.4	115.3	115.3
82.5°	43.8	43.8	36.4	51.4	99.1	95.2	90.3	87.8	82.7	80.2	80.2
85°	20.1	25.1	22.5	31.3	53.9	56.5	56.5	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	50.8	59.1	52.5	39.4	29.5	29.5
92.5°	31.1	84.0	136.9	150.1	211.0	292.2	332.8	291.6	209.5	147.8	141.9
95°	74.7	171.4	268.2	292.4	519.1	821.5	972.7	868.1	658.6	501.6	483.8
97.5°	129.1	214.4	299.9	321.2	699.3	1203.5	1455.6	1389.4	1257.1	1157.8	1124.0
100°	171.1	248.4	325.9	345.3	764.9	1324.4	1604.1	1609.0	1618.6	1625.9	1585.5
102.5°	206.9	279.0	351.3	369.3	794.9	1362.3	1646.1	1730.4	1899.1	2025.6	1991.0
105°	267.5	328.6	389.8	405.1	817.2	1366.7	1641.4	1830.4	2208.5	2492.1	2473.5
107.5°	329.7	386.7	443.7	458.0	821.4	1305.9	1548.2	1811.8	2339.2	2734.7	2739.2
110°	371.6	423.1	474.6	487.5	815.2	1251.9	1470.4	1765.2	2354.7	2796.9	2816.3



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	412.9	461.9	511.1	523.3	815.4	1204.9	1399.6	1701.4	2304.7	2757.3	2787.0
115°	475.1	520.4	565.7	577.0	822.9	1150.9	1314.9	1605.5	2186.8	2622.8	2664.0
117.5°	536.5	577.6	618.8	629.1	838.2	1117.1	1256.5	1518.8	2043.5	2436.9	2482.6
120°	572.3	611.0	649.7	659.3	850.7	1105.8	1233.3	1472.9	1952.2	2311.7	2356.1
122.5°	607.3	646.3	685.4	695.1	868.5	1099.7	1215.3	1431.1	1862.8	2186.6	2230.4
125°	660.9	696.5	732.2	741.0	892.6	1094.8	1195.9	1379.3	1745.9	2020.9	2061.3
127.5°	704.5	740.4	776.4	785.3	916.8	1092.0	1179.6	1337.0	1651.8	1887.9	1921.9
130°	727.8	766.5	805.2	814.9	934.3	1093.7	1173.3	1313.4	1593.8	1804.0	1835.4
132.5°	751.9	790.6	829.3	839.0	948.6	1094.8	1167.9	1293.4	1544.2	1732.4	1760.5
135°	787.7	822.9	858.2	867.0	964.2	1093.8	1158.6	1263.6	1473.8	1631.3	1655.6
137.5°	824.2	859.1	894.0	902.7	987.5	1100.5	1157.0	1245.8	1423.5	1556.7	1576.6
140°	854.5	886.7	918.8	926.9	1001.7	1101.6	1151.6	1228.3	1381.8	1496.8	1515.4
142.5°	877.9	907.6	937.3	944.7	1013.7	1105.6	1151.6	1219.0	1353.7	1454.9	1470.9
145°	913.7	939.6	965.6	972.0	1029.3	1105.7	1143.8	1198.9	1309.1	1391.9	1403.9
147.5°	949.4	974.6	999.9	1006.2	1052.1	1113.2	1143.8	1187.2	1273.9	1339.0	1349.0
150°	972.7	995.6	1018.4	1024.1	1064.0	1117.2	1143.8	1180.4	1253.7	1308.7	1316.8
152.5°	996.9	1014.2	1031.4	1035.7	1071.7	1119.8	1143.8	1175.1	1237.6	1284.6	1290.7
155°	1032.6	1045.4	1058.2	1061.4	1088.8	1125.5	1143.8	1168.7	1218.5	1255.8	1259.8
157.5°	1059.0	1071.5	1084.0	1087.1	1105.9	1131.2	1143.8	1163.1	1201.8	1230.9	1233.7
160°	1077.0	1086.7	1096.3	1098.7	1113.8	1133.8	1143.8	1160.4	1193.6	1218.5	1220.2
162.5°	1094.8	1102.1	1109.4	1111.2	1122.0	1136.5	1143.8	1157.8	1185.8	1206.8	1208.4
165°	1114.3	1120.8	1127.3	1129.0	1134.0	1140.5	1143.8	1153.8	1173.9	1188.9	1190.6
167.5°	1132.1	1135.2	1138.4	1139.1	1143.2	1148.8	1151.6	1158.1	1171.3	1181.1	1181.7
170°	1143.8	1146.9	1150.1	1150.8	1151.1	1151.4	1151.6	1158.1	1171.3	1181.1	1181.1
172.5°	1150.1	1150.7	1151.4	1151.6	1151.6	1151.6	1151.6	1156.8	1167.2	1174.9	1174.4
175°	1158.6	1158.6	1158.6	1158.6	1156.2	1153.1	1151.6	1154.8	1161.4	1166.3	1166.3
177.5°	1158.6	1158.6	1158.6	1158.6	1156.8	1154.4	1153.1	1155.8	1160.9	1164.8	1164.2
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2
2.5°	1359.1	1355.3	1359.1	1356.5	1357.8	1354.0	1342.7	1339.0	1342.7	1346.5	1346.5
5°	1375.3	1372.8	1375.3	1375.3	1374.1	1371.6	1359.1	1356.5	1359.1	1360.3	1357.8
7.5°	1380.4	1376.6	1380.4	1377.9	1377.9	1375.3	1362.8	1360.3	1361.6	1365.3	1361.6
10°	1380.4	1376.6	1380.4	1379.1	1377.9	1375.3	1362.8	1357.8	1357.8	1361.6	1357.8
12.5°	1374.1	1371.6	1374.1	1371.6	1371.6	1369.1	1356.5	1351.5	1352.8	1354.0	1349.0
15°	1364.0	1360.3	1364.0	1361.6	1362.8	1359.1	1345.2	1340.3	1340.3	1342.7	1333.9
17.5°	1349.0	1344.0	1349.0	1347.8	1346.5	1344.0	1331.5	1326.4	1325.2	1326.4	1320.2
20°	1331.5	1327.7	1331.5	1330.2	1330.2	1325.2	1312.6	1306.3	1306.3	1306.3	1300.1
22.5°	1303.9	1300.1	1303.9	1306.3	1306.3	1305.1	1293.8	1285.0	1282.6	1282.6	1275.0
25°	1272.5	1268.8	1272.5	1272.5	1271.3	1272.5	1268.8	1263.7	1260.0	1256.2	1248.7
27.5°	1242.4	1240.0	1242.4	1240.0	1242.4	1238.7	1237.5	1236.1	1231.2	1227.4	1217.4
30°	1212.3	1209.9	1212.3	1209.9	1207.4	1204.8	1198.6	1196.0	1201.1	1198.6	1182.3
32.5°	1174.7	1172.2	1174.7	1174.7	1172.2	1172.2	1162.2	1158.5	1159.7	1167.3	1152.2
35°	1135.9	1132.1	1135.9	1134.6	1135.9	1132.1	1125.9	1124.6	1119.6	1128.4	1117.1
37.5°	1090.7	1087.0	1090.7	1090.7	1090.7	1093.2	1088.3	1084.4	1077.0	1088.3	1079.5
40°	1044.3	1039.3	1044.3	1043.1	1044.3	1046.9	1044.3	1041.8	1034.3	1043.1	1035.6
42.5°	991.7	990.4	991.7	992.9	992.9	998.0	1001.7	996.7	994.2	987.9	992.9
45°	935.3	932.7	935.3	937.8	939.0	941.5	952.8	952.8	949.1	939.0	946.6
47.5°	875.1	868.8	875.1	882.6	882.6	886.4	897.7	906.5	900.2	887.6	891.4
50°	811.1	812.4	811.1	816.2	816.2	829.9	838.7	847.5	853.8	838.7	821.2
52.5°	748.5	747.2	748.5	752.3	757.2	763.6	778.6	787.3	797.4	788.6	761.0
55°	685.8	688.3	685.8	687.0	689.5	693.3	715.9	724.7	743.5	732.2	703.4
57.5°	623.1	619.3	623.1	625.6	626.9	630.6	649.4	665.7	677.0	678.2	643.2
60°	550.4	545.4	550.4	561.7	564.2	566.7	584.2	599.2	609.3	613.1	576.7
62.5°	486.4	477.6	486.4	494.0	498.9	505.2	517.8	540.4	549.1	550.4	498.9
65°	418.7	415.0	418.7	433.8	435.0	442.6	456.3	472.7	491.5	488.9	415.0
67.5°	357.3	357.3	357.3	367.3	374.9	378.6	396.2	403.7	427.5	430.1	346.0
70°	300.9	299.7	300.9	308.5	313.4	322.2	338.6	347.2	366.1	372.4	280.9
72.5°	246.9	245.7	246.9	253.2	258.3	265.8	279.6	289.6	305.9	313.4	218.2
75°	199.4	196.8	199.4	204.3	203.1	213.1	224.4	234.4	249.5	254.5	161.7
77.5°	152.9	152.9	152.9	158.0	158.0	168.0	173.0	185.5	194.3	201.9	119.1
80°	114.1	112.8	114.1	115.3	115.3	120.4	129.2	137.9	145.4	145.4	81.5
82.5°	80.2	77.8	80.2	80.2	80.2	82.7	87.8	90.3	95.2	99.1	51.4
85°	50.2	50.2	50.2	51.4	50.2	52.6	53.9	56.5	56.5	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	39.4	52.5	59.1	50.8	34.2	21.8
92.5°	118.4	94.9	118.4	141.9	147.8	209.5	291.6	332.8	292.2	211.0	150.1
95°	412.6	341.4	412.6	483.8	501.6	658.6	868.1	972.7	821.5	519.1	292.4
97.5°	988.5	853.0	988.5	1124.0	1157.8	1257.1	1389.4	1455.6	1203.5	699.3	321.2
100°	1424.2	1262.8	1424.2	1585.5	1625.9	1618.6	1609.0	1604.1	1324.4	764.9	345.3
102.5°	1852.8	1714.5	1852.8	1991.0	2025.6	1899.1	1730.4	1646.1	1362.3	794.9	369.3
105°	2399.2	2324.9	2399.2	2473.5	2492.1	2208.5	1830.4	1641.4	1366.7	817.2	405.1
107.5°	2757.2	2775.1	2757.2	2739.2	2734.7	2339.2	1811.8	1548.2	1305.9	821.4	458.0
110°	2893.7	2971.1	2893.7	2816.3	2796.9	2354.7	1765.2	1470.4	1251.9	815.2	487.5



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2905.8	3024.7	2905.8	2787.0	2757.3	2304.7	1701.4	1399.6	1204.9	815.4	523.3
115°	2828.8	2993.7	2828.8	2664.0	2622.8	2186.8	1605.5	1314.9	1150.9	822.9	577.0
117.5°	2665.4	2848.2	2665.4	2482.6	2436.9	2043.5	1518.8	1256.5	1117.1	838.2	629.1
120°	2533.8	2711.4	2533.8	2356.1	2311.7	1952.2	1472.9	1233.3	1105.8	850.7	659.3
122.5°	2405.6	2580.7	2405.6	2230.4	2186.6	1862.8	1431.1	1215.3	1099.7	868.5	695.1
125°	2222.6	2384.1	2222.6	2061.3	2020.9	1745.9	1379.3	1195.9	1094.8	892.6	741.0
127.5°	2058.1	2194.3	2058.1	1921.9	1887.9	1651.8	1337.0	1179.6	1092.0	916.8	785.3
130°	1961.2	2087.0	1961.2	1835.4	1804.0	1593.8	1313.4	1173.3	1093.7	934.3	814.9
132.5°	1873.2	1985.9	1873.2	1760.5	1732.4	1544.2	1293.4	1167.9	1094.8	948.6	839.0
135°	1752.8	1849.9	1752.8	1655.6	1631.3	1473.8	1263.6	1158.6	1093.8	964.2	867.0
137.5°	1656.0	1735.6	1656.0	1576.6	1556.7	1423.5	1245.8	1157.0	1100.5	987.5	902.7
140°	1589.7	1664.0	1589.7	1515.4	1496.8	1381.8	1228.3	1151.6	1101.6	1001.7	926.9
142.5°	1534.8	1598.7	1534.8	1470.9	1454.9	1353.7	1219.0	1151.6	1105.6	1013.7	944.7
145°	1452.3	1500.7	1452.3	1403.9	1391.9	1309.1	1198.9	1143.8	1105.7	1029.3	972.0
147.5°	1389.1	1429.2	1389.1	1349.0	1339.0	1273.9	1187.2	1143.8	1113.2	1052.1	1006.2
150°	1349.2	1381.8	1349.2	1316.8	1308.7	1253.7	1180.4	1143.8	1117.2	1064.0	1024.1
152.5°	1315.2	1339.7	1315.2	1290.7	1284.6	1237.6	1175.1	1143.8	1119.8	1071.7	1035.7
155°	1276.1	1292.3	1276.1	1259.8	1255.8	1218.5	1168.7	1143.8	1125.5	1088.8	1061.4
157.5°	1245.1	1256.5	1245.1	1233.7	1230.9	1201.8	1163.1	1143.8	1131.2	1105.9	1087.1
160°	1226.7	1233.3	1226.7	1220.2	1218.5	1193.6	1160.4	1143.8	1133.8	1113.8	1098.7
162.5°	1214.6	1220.8	1214.6	1208.4	1206.8	1185.8	1157.8	1143.8	1136.5	1122.0	1111.2
165°	1197.2	1203.7	1197.2	1190.6	1188.9	1173.9	1153.8	1143.8	1140.5	1134.0	1129.0
167.5°	1184.6	1187.4	1184.6	1181.7	1181.1	1171.3	1158.1	1151.6	1148.8	1143.2	1139.1
170°	1181.1	1181.1	1181.1	1181.1	1181.1	1171.3	1158.1	1151.6	1151.4	1151.1	1150.8
172.5°	1171.9	1169.5	1171.9	1174.4	1174.9	1167.2	1156.8	1151.6	1151.6	1151.6	1151.6
175°	1166.3	1166.3	1166.3	1166.3	1166.3	1161.4	1154.8	1151.6	1153.1	1156.2	1158.6
177.5°	1161.4	1158.6	1161.4	1164.2	1164.8	1160.9	1155.8	1153.1	1154.4	1156.8	1158.6
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2
2.5°	1344.0	1336.4	1336.4	1323.9	1319.0	1315.1	1308.9	1290.1	1285.0	1280.1	1287.6
5°	1355.3	1341.5	1331.5	1308.9	1290.1	1282.6	1258.8	1213.6	1183.5	1160.9	1148.4
7.5°	1357.8	1340.3	1321.4	1286.3	1241.2	1221.1	1148.4	1065.7	1043.1	1023.0	1010.5
10°	1355.3	1335.2	1308.9	1256.2	1149.7	1114.5	1041.8	987.9	974.2	970.4	974.2
12.5°	1346.5	1327.7	1291.3	1203.6	1054.3	1030.6	987.9	956.6	954.1	960.3	994.2
15°	1331.5	1313.9	1271.3	1133.3	1001.7	984.2	954.1	942.8	956.6	1000.5	1102.0
17.5°	1316.4	1296.3	1243.7	1064.4	961.6	949.1	927.8	950.3	1028.1	1087.0	1120.8
20°	1296.3	1272.5	1212.3	1014.2	932.7	921.5	911.4	1013.0	1071.9	1093.2	1112.0
22.5°	1272.5	1247.5	1169.7	979.2	902.6	894.0	900.2	1048.1	1071.9	1087.0	1103.2
25°	1241.2	1219.9	1119.6	951.6	878.9	868.8	892.6	1044.3	1058.2	1061.9	1094.5
27.5°	1212.3	1184.7	1067.0	926.5	850.0	846.3	898.9	1028.1	1038.1	1041.8	1077.0
30°	1177.3	1135.9	1008.0	900.2	819.9	818.7	900.2	1008.0	1005.5	1015.6	1050.6
32.5°	1140.9	1063.1	941.5	867.6	791.1	789.8	891.4	977.9	975.4	989.2	1015.6
35°	1107.1	1006.8	851.2	829.9	754.8	756.0	870.1	942.8	944.1	956.6	972.9
37.5°	1071.9	957.9	752.3	788.6	719.6	719.6	841.2	910.2	907.7	911.4	934.1
40°	1030.6	881.3	664.5	734.7	687.0	683.3	806.2	875.1	866.3	865.1	896.4
42.5°	986.7	797.4	599.2	663.3	649.4	644.4	763.6	832.4	816.2	819.9	860.0
45°	939.0	774.8	549.1	560.4	610.5	606.8	717.1	783.6	772.3	782.3	823.7
47.5°	891.4	729.6	532.9	465.1	569.2	567.9	665.7	735.9	729.6	739.7	783.6
50°	826.2	679.5	531.6	398.7	522.8	527.8	604.3	689.5	689.5	698.3	744.7
52.5°	742.3	618.1	482.7	361.1	468.8	483.9	550.4	649.4	652.0	660.7	702.1
55°	665.7	554.2	447.5	332.2	404.9	437.5	497.7	608.0	613.1	621.9	659.4
57.5°	595.5	461.4	440.1	298.4	346.0	377.3	451.4	567.9	570.5	577.9	614.3
60°	520.3	333.5	403.7	262.0	294.6	318.5	408.7	520.3	529.0	534.1	565.4
62.5°	435.0	242.0	366.1	236.9	269.6	274.5	373.6	475.2	486.4	490.3	509.0
65°	309.7	203.1	310.9	215.6	243.2	244.5	336.0	428.7	438.8	445.1	458.8
67.5°	209.4	165.5	236.9	195.5	223.2	224.4	299.7	374.9	388.7	393.7	402.5
70°	145.4	110.3	175.5	174.2	200.6	203.1	260.8	325.9	338.6	342.3	347.2
72.5°	106.6	89.0	145.4	156.8	176.8	179.3	220.7	270.8	283.3	287.1	289.6
75°	81.5	94.0	117.9	136.7	150.5	151.7	180.5	220.7	229.5	231.9	233.2
77.5°	65.1	87.8	86.6	110.3	122.8	120.4	141.7	170.5	178.1	178.1	178.1
80°	48.9	69.0	65.1	79.0	90.3	87.8	101.5	121.6	124.1	126.7	125.3
82.5°	36.4	43.8	43.8	50.2	60.2	57.7	67.7	79.0	79.0	79.0	81.5
85°	22.5	25.1	20.1	26.4	33.8	32.6	37.6	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	50.8	59.1	52.5	39.4
92.5°	136.9	84.0	31.1	84.0	136.9	150.1	211.0	292.2	332.8	291.6	209.5
95°	268.2	171.4	74.7	171.4	268.2	292.4	519.1	821.5	972.7	868.1	658.6
97.5°	299.9	214.4	129.1	214.4	299.9	321.2	699.3	1203.5	1455.6	1389.4	1257.1
100°	325.9	248.4	171.1	248.4	325.9	345.3	764.9	1324.4	1604.1	1609.0	1618.6
102.5°	351.3	279.0	206.9	279.0	351.3	369.3	794.9	1362.3	1646.1	1730.4	1899.1
105°	389.8	328.6	267.5	328.6	389.8	405.1	817.2	1366.7	1641.4	1830.4	2208.5
107.5°	443.7	386.7	329.7	386.7	443.7	458.0	821.4	1305.9	1548.2	1811.8	2339.2
110°	474.6	423.1	371.6	423.1	474.6	487.5	815.2	1251.9	1470.4	1765.2	2354.7



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	511.1	461.9	412.9	461.9	511.1	523.3	815.4	1204.9	1399.6	1701.4	2304.7
115°	565.7	520.4	475.1	520.4	565.7	577.0	822.9	1150.9	1314.9	1605.5	2186.8
117.5°	618.8	577.6	536.5	577.6	618.8	629.1	838.2	1117.1	1256.5	1518.8	2043.5
120°	649.7	611.0	572.3	611.0	649.7	659.3	850.7	1105.8	1233.3	1472.9	1952.2
122.5°	685.4	646.3	607.3	646.3	685.4	695.1	868.5	1099.7	1215.3	1431.1	1862.8
125°	732.2	696.5	660.9	696.5	732.2	741.0	892.6	1094.8	1195.9	1379.3	1745.9
127.5°	776.4	740.4	704.5	740.4	776.4	785.3	916.8	1092.0	1179.6	1337.0	1651.8
130°	805.2	766.5	727.8	766.5	805.2	814.9	934.3	1093.7	1173.3	1313.4	1593.8
132.5°	829.3	790.6	751.9	790.6	829.3	839.0	948.6	1094.8	1167.9	1293.4	1544.2
135°	858.2	822.9	787.7	822.9	858.2	867.0	964.2	1093.8	1158.6	1263.6	1473.8
137.5°	894.0	859.1	824.2	859.1	894.0	902.7	987.5	1100.5	1157.0	1245.8	1423.5
140°	918.8	886.7	854.5	886.7	918.8	926.9	1001.7	1101.6	1151.6	1228.3	1381.8
142.5°	937.3	907.6	877.9	907.6	937.3	944.7	1013.7	1105.6	1151.6	1219.0	1353.7
145°	965.6	939.6	913.7	939.6	965.6	972.0	1029.3	1105.7	1143.8	1198.9	1309.1
147.5°	999.9	974.6	949.4	974.6	999.9	1006.2	1052.1	1113.2	1143.8	1187.2	1273.9
150°	1018.4	995.6	972.7	995.6	1018.4	1024.1	1064.0	1117.2	1143.8	1180.4	1253.7
152.5°	1031.4	1014.2	996.9	1014.2	1031.4	1035.7	1071.7	1119.8	1143.8	1175.1	1237.6
155°	1058.2	1045.4	1032.6	1045.4	1058.2	1061.4	1088.8	1125.5	1143.8	1168.7	1218.5
157.5°	1084.0	1071.5	1059.0	1071.5	1084.0	1087.1	1105.9	1131.2	1143.8	1163.1	1201.8
160°	1096.3	1086.7	1077.0	1086.7	1096.3	1098.7	1113.8	1133.8	1143.8	1160.4	1193.6
162.5°	1109.4	1102.1	1094.8	1102.1	1109.4	1111.2	1122.0	1136.5	1143.8	1157.8	1185.8
165°	1127.3	1120.8	1114.3	1120.8	1127.3	1129.0	1134.0	1140.5	1143.8	1153.8	1173.9
167.5°	1138.4	1135.2	1132.1	1135.2	1138.4	1139.1	1143.2	1148.8	1151.6	1158.1	1171.3
170°	1150.1	1146.9	1143.8	1146.9	1150.1	1150.8	1151.1	1151.4	1151.6	1158.1	1171.3
172.5°	1151.4	1150.7	1150.1	1150.7	1151.4	1151.6	1151.6	1151.6	1151.6	1156.8	1167.2
175°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1156.2	1153.1	1151.6	1154.8	1161.4
177.5°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1156.8	1154.4	1153.1	1155.8	1160.9
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2
2.5°	1278.8	1275.0	1280.1	1266.2	1280.1	1275.0	1278.8	1287.6	1280.1	1285.0	1290.1
5°	1122.1	1115.9	1095.8	1079.5	1095.8	1115.9	1122.1	1148.4	1160.9	1183.5	1213.6
7.5°	1002.9	998.0	992.9	982.9	992.9	998.0	1002.9	1010.5	1023.0	1043.1	1065.7
10°	976.7	977.9	985.5	984.2	985.5	977.9	976.7	974.2	970.4	974.2	987.9
12.5°	1044.3	1055.7	1097.0	1094.5	1097.0	1055.7	1044.3	994.2	960.3	954.1	956.6
15°	1122.1	1125.9	1134.6	1135.9	1134.6	1125.9	1122.1	1102.0	1000.5	956.6	942.8
17.5°	1129.6	1130.9	1137.2	1137.2	1137.2	1130.9	1129.6	1120.8	1087.0	1028.1	950.3
20°	1123.3	1125.9	1138.4	1140.9	1138.4	1125.9	1123.3	1112.0	1093.2	1071.9	1013.0
22.5°	1120.8	1125.9	1135.9	1134.6	1135.9	1125.9	1120.8	1103.2	1087.0	1071.9	1048.1
25°	1108.3	1108.3	1109.6	1110.8	1109.6	1108.3	1108.3	1094.5	1061.9	1058.2	1044.3
27.5°	1081.9	1084.4	1092.0	1090.7	1092.0	1084.4	1081.9	1077.0	1041.8	1038.1	1028.1
30°	1058.2	1055.7	1049.4	1044.3	1049.4	1055.7	1058.2	1050.6	1015.6	1005.5	1008.0
32.5°	1018.0	1011.7	1005.5	1001.7	1005.5	1011.7	1018.0	1015.6	989.2	975.4	977.9
35°	970.4	971.6	970.4	966.6	970.4	971.6	970.4	972.9	956.6	944.1	942.8
37.5°	936.6	939.0	937.8	932.7	937.8	939.0	936.6	934.1	911.4	907.7	910.2
40°	901.4	902.6	901.4	897.7	901.4	902.6	901.4	896.4	865.1	866.3	875.1
42.5°	867.6	866.3	862.5	860.0	862.5	866.3	867.6	860.0	819.9	816.2	832.4
45°	828.7	829.9	822.4	818.7	822.4	829.9	828.7	823.7	782.3	772.3	783.6
47.5°	789.8	789.8	783.6	779.8	783.6	789.8	789.8	783.6	739.7	729.6	735.9
50°	748.5	747.2	738.4	737.2	738.4	747.2	748.5	744.7	698.3	689.5	689.5
52.5°	700.8	700.8	702.1	704.6	702.1	700.8	700.8	702.1	660.7	652.0	649.4
55°	659.4	660.7	669.5	672.0	669.5	660.7	659.4	659.4	621.9	613.1	608.0
57.5°	616.8	616.8	623.1	623.1	623.1	616.8	616.8	614.3	577.9	570.5	567.9
60°	567.9	570.5	575.5	574.2	575.5	570.5	567.9	565.4	534.1	529.0	520.3
62.5°	516.5	519.0	520.3	517.8	520.3	519.0	516.5	509.0	490.3	486.4	475.2
65°	462.6	465.1	466.4	463.9	466.4	465.1	462.6	458.8	445.1	438.8	428.7
67.5°	407.4	406.2	404.9	410.0	404.9	406.2	407.4	402.5	393.7	388.7	374.9
70°	351.1	351.1	349.8	352.3	349.8	351.1	351.1	347.2	342.3	338.6	325.9
72.5°	290.9	289.6	294.6	290.9	294.6	289.6	290.9	289.6	287.1	283.3	270.8
75°	231.9	234.4	231.9	235.7	231.9	234.4	231.9	233.2	231.9	229.5	220.7
77.5°	176.8	179.3	176.8	176.8	176.8	179.3	176.8	178.1	178.1	178.1	170.5
80°	125.3	124.1	124.1	122.8	124.1	124.1	125.3	125.3	126.7	124.1	121.6
82.5°	80.2	79.0	79.0	81.5	79.0	79.0	80.2	81.5	79.0	79.0	79.0
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	39.4	52.5	59.1	50.8
92.5°	147.8	141.9	118.4	94.9	118.4	141.9	147.8	209.5	291.6	332.8	292.2
95°	501.6	483.8	412.6	341.4	412.6	483.8	501.6	658.6	868.1	972.7	821.5
97.5°	1157.8	1124.0	988.5	853.0	988.5	1124.0	1157.8	1257.1	1389.4	1455.6	1203.5
100°	1625.9	1585.5	1424.2	1262.8	1424.2	1585.5	1625.9	1618.6	1609.0	1604.1	1324.4
102.5°	2025.6	1991.0	1852.8	1714.5	1852.8	1991.0	2025.6	1899.1	1730.4	1646.1	1362.3
105°	2492.1	2473.5	2399.2	2324.9	2399.2	2473.5	2492.1	2208.5	1830.4	1641.4	1366.7
107.5°	2734.7	2739.2	2757.2	2775.1	2757.2	2739.2	2734.7	2339.2	1811.8	1548.2	1305.9
110°	2796.9	2816.3	2893.7	2971.1	2893.7	2816.3	2796.9	2354.7	1765.2	1470.4	1251.9



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2757.3	2787.0	2905.8	3024.7	2905.8	2787.0	2757.3	2304.7	1701.4	1399.6	1204.9
115°	2622.8	2664.0	2828.8	2993.7	2828.8	2664.0	2622.8	2186.8	1605.5	1314.9	1150.9
117.5°	2436.9	2482.6	2665.4	2848.2	2665.4	2482.6	2436.9	2043.5	1518.8	1256.5	1117.1
120°	2311.7	2356.1	2533.8	2711.4	2533.8	2356.1	2311.7	1952.2	1472.9	1233.3	1105.8
122.5°	2186.6	2230.4	2405.6	2580.7	2405.6	2230.4	2186.6	1862.8	1431.1	1215.3	1099.7
125°	2020.9	2061.3	2222.6	2384.1	2222.6	2061.3	2020.9	1745.9	1379.3	1195.9	1094.8
127.5°	1887.9	1921.9	2058.1	2194.3	2058.1	1921.9	1887.9	1651.8	1337.0	1179.6	1092.0
130°	1804.0	1835.4	1961.2	2087.0	1961.2	1835.4	1804.0	1593.8	1313.4	1173.3	1093.7
132.5°	1732.4	1760.5	1873.2	1985.9	1873.2	1760.5	1732.4	1544.2	1293.4	1167.9	1094.8
135°	1631.3	1655.6	1752.8	1849.9	1752.8	1655.6	1631.3	1473.8	1263.6	1158.6	1093.8
137.5°	1556.7	1576.6	1656.0	1735.6	1656.0	1576.6	1556.7	1423.5	1245.8	1157.0	1100.5
140°	1496.8	1515.4	1589.7	1664.0	1589.7	1515.4	1496.8	1381.8	1228.3	1151.6	1101.6
142.5°	1454.9	1470.9	1534.8	1598.7	1534.8	1470.9	1454.9	1353.7	1219.0	1151.6	1105.6
145°	1391.9	1403.9	1452.3	1500.7	1452.3	1403.9	1391.9	1309.1	1198.9	1143.8	1105.7
147.5°	1339.0	1349.0	1389.1	1429.2	1389.1	1349.0	1339.0	1273.9	1187.2	1143.8	1113.2
150°	1308.7	1316.8	1349.2	1381.8	1349.2	1316.8	1308.7	1253.7	1180.4	1143.8	1117.2
152.5°	1284.6	1290.7	1315.2	1339.7	1315.2	1290.7	1284.6	1237.6	1175.1	1143.8	1119.8
155°	1255.8	1259.8	1276.1	1292.3	1276.1	1259.8	1255.8	1218.5	1168.7	1143.8	1125.5
157.5°	1230.9	1233.7	1245.1	1256.5	1245.1	1233.7	1230.9	1201.8	1163.1	1143.8	1131.2
160°	1218.5	1220.2	1226.7	1233.3	1226.7	1220.2	1218.5	1193.6	1160.4	1143.8	1133.8
162.5°	1206.8	1208.4	1214.6	1220.8	1214.6	1208.4	1206.8	1185.8	1157.8	1143.8	1136.5
165°	1188.9	1190.6	1197.2	1203.7	1197.2	1190.6	1188.9	1173.9	1153.8	1143.8	1140.5
167.5°	1181.1	1181.7	1184.6	1187.4	1184.6	1181.7	1181.1	1171.3	1158.1	1151.6	1148.8
170°	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1171.3	1158.1	1151.6	1151.4
172.5°	1174.9	1174.4	1171.9	1169.5	1171.9	1174.4	1174.9	1167.2	1156.8	1151.6	1151.6
175°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1161.4	1154.8	1151.6	1153.1
177.5°	1164.8	1164.2	1161.4	1158.6	1161.4	1164.2	1164.8	1160.9	1155.8	1153.1	1154.4
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1325.2	1325.2	1325.2	1325.2	1325.2
2.5°	1308.9	1315.1	1319.0	1323.9	1336.4
5°	1258.8	1282.6	1290.1	1308.9	1331.5
7.5°	1148.4	1221.1	1241.2	1286.3	1321.4
10°	1041.8	1114.5	1149.7	1256.2	1308.9
12.5°	987.9	1030.6	1054.3	1203.6	1291.3
15°	954.1	984.2	1001.7	1133.3	1271.3
17.5°	927.8	949.1	961.6	1064.4	1243.7
20°	911.4	921.5	932.7	1014.2	1212.3
22.5°	900.2	894.0	902.6	979.2	1169.7
25°	892.6	868.8	878.9	951.6	1119.6
27.5°	898.9	846.3	850.0	926.5	1067.0
30°	900.2	818.7	819.9	900.2	1008.0
32.5°	891.4	789.8	791.1	867.6	941.5
35°	870.1	756.0	754.8	829.9	851.2
37.5°	841.2	719.6	719.6	788.6	752.3
40°	806.2	683.3	687.0	734.7	664.5
42.5°	763.6	644.4	649.4	663.3	599.2
45°	717.1	606.8	610.5	560.4	549.1
47.5°	665.7	567.9	569.2	465.1	532.9
50°	604.3	527.8	522.8	398.7	531.6
52.5°	550.4	483.9	468.8	361.1	482.7
55°	497.7	437.5	404.9	332.2	447.5
57.5°	451.4	377.3	346.0	298.4	440.1
60°	408.7	318.5	294.6	262.0	403.7
62.5°	373.6	274.5	269.6	236.9	366.1
65°	336.0	244.5	243.2	215.6	310.9
67.5°	299.7	224.4	223.2	195.5	236.9
70°	260.8	203.1	200.6	174.2	175.5
72.5°	220.7	179.3	176.8	156.8	145.4
75°	180.5	151.7	150.5	136.7	117.9
77.5°	141.7	120.4	122.8	110.3	86.6
80°	101.5	87.8	90.3	79.0	65.1
82.5°	67.7	57.7	60.2	50.2	43.8
85°	37.6	32.6	33.8	26.4	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°	211.0	150.1	136.9	84.0	31.1
95°	519.1	292.4	268.2	171.4	74.7
97.5°	699.3	321.2	299.9	214.4	129.1
100°	764.9	345.3	325.9	248.4	171.1
102.5°	794.9	369.3	351.3	279.0	206.9
105°	817.2	405.1	389.8	328.6	267.5
107.5°	821.4	458.0	443.7	386.7	329.7
110°	815.2	487.5	474.6	423.1	371.6



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	815.4	523.3	511.1	461.9	412.9
115°	822.9	577.0	565.7	520.4	475.1
117.5°	838.2	629.1	618.8	577.6	536.5
120°	850.7	659.3	649.7	611.0	572.3
122.5°	868.5	695.1	685.4	646.3	607.3
125°	892.6	741.0	732.2	696.5	660.9
127.5°	916.8	785.3	776.4	740.4	704.5
130°	934.3	814.9	805.2	766.5	727.8
132.5°	948.6	839.0	829.3	790.6	751.9
135°	964.2	867.0	858.2	822.9	787.7
137.5°	987.5	902.7	894.0	859.1	824.2
140°	1001.7	926.9	918.8	886.7	854.5
142.5°	1013.7	944.7	937.3	907.6	877.9
145°	1029.3	972.0	965.6	939.6	913.7
147.5°	1052.1	1006.2	999.9	974.6	949.4
150°	1064.0	1024.1	1018.4	995.6	972.7
152.5°	1071.7	1035.7	1031.4	1014.2	996.9
155°	1088.8	1061.4	1058.2	1045.4	1032.6
157.5°	1105.9	1087.1	1084.0	1071.5	1059.0
160°	1113.8	1098.7	1096.3	1086.7	1077.0
162.5°	1122.0	1111.2	1109.4	1102.1	1094.8
165°	1134.0	1129.0	1127.3	1120.8	1114.3
167.5°	1143.2	1139.1	1138.4	1135.2	1132.1
170°	1151.1	1150.8	1150.1	1146.9	1143.8
172.5°	1151.6	1151.6	1151.4	1150.7	1150.1
175°	1156.2	1158.6	1158.6	1158.6	1158.6
177.5°	1156.8	1158.6	1158.6	1158.6	1158.6
180°	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935047

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-8-5000K

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	10.20	10.91	12.42	11.93	12.65	13.03	13.75	15.26
	3H	9.56	10.20	10.67	11.31	12.84	13.27	13.91	14.38	15.02	16.55
	4H	9.74	10.35	10.86	11.46	13.00	13.71	14.31	14.83	15.42	16.96
	6H	9.85	10.41	10.98	11.52	13.07	13.99	14.55	15.11	15.66	17.20
	8H	9.85	10.38	10.98	11.51	13.05	14.06	14.59	15.19	15.72	17.26
	12H	9.82	10.32	10.95	11.44	13.01	14.09	14.60	15.23	15.72	17.28
4H	2H	10.11	10.72	11.24	11.83	13.36	12.32	12.93	13.45	14.04	15.57
	3H	11.12	11.63	12.26	12.76	14.31	13.82	14.32	14.95	15.46	17.01
	4H	11.39	11.86	12.53	12.98	14.55	14.34	14.81	15.48	15.93	17.50
	6H	11.51	11.91	12.65	13.06	14.62	14.70	15.10	15.84	16.24	17.80
	8H	11.51	11.88	12.66	13.02	14.60	14.80	15.18	15.95	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	11.84	12.21	12.98	13.35	14.92	14.45	14.82	15.60	15.96	17.54
	6H	12.09	12.40	13.26	13.58	15.15	14.88	15.19	16.05	16.37	17.95
	8H	12.13	12.40	13.30	13.56	15.15	15.04	15.30	16.21	16.46	18.06
	12H	12.11	12.35	13.28	13.50	15.13	15.13	15.37	16.30	16.52	18.15
12H	4H	11.84	12.17	13.00	13.32	14.90	14.41	14.75	15.57	15.90	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	12.45	13.38	13.60	15.23	15.04	15.27	16.21	16.43	18.06