

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: P935443

Luminaire Tested: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935443
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-92765-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

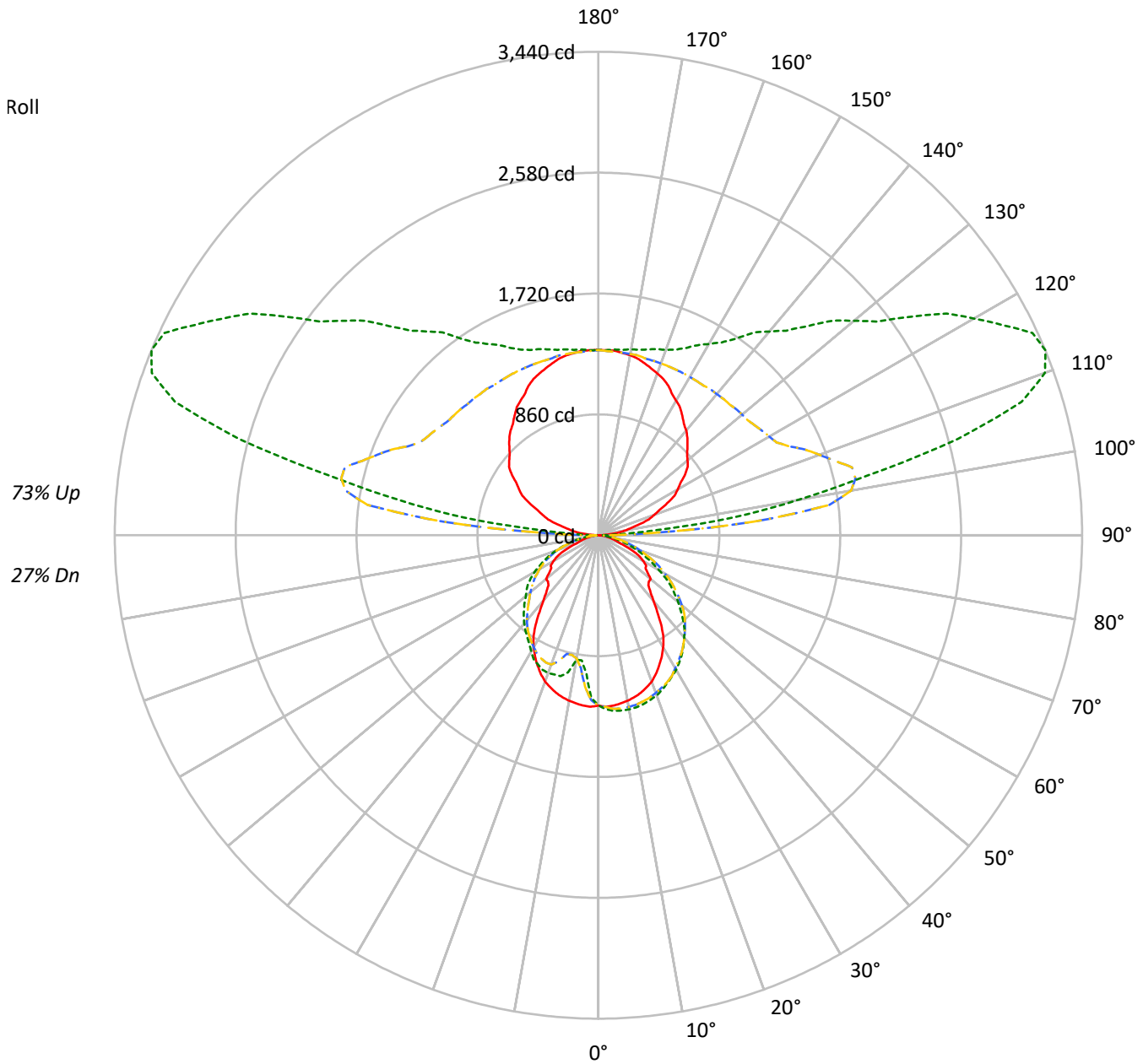
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11687.9 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 95.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P935443
CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

Luminous Intensity Polar Plot



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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	0.9
10°-20°	310.4	2.7
20°-30°	479.8	4.1
30°-40°	572.7	4.9
40°-50°	576.1	4.9
50°-60°	501.3	4.3
60°-70°	355.4	3.0
70°-80°	188.0	1.6
80°-90°	51.9	0.4
90°-100°	642.4	5.5
100°-110°	1688.9	14.4
110°-120°	1751.2	15.0
120°-130°	1404.7	12.0
130°-140°	1102.1	9.4
140°-150°	845.9	7.2
150°-160°	609.2	5.2
160°-170°	372.8	3.2
170°-180°	125.9	1.1
0°-30°	899.4	7.7
0°-40°	1472.2	12.6
0°-60°	2549.5	21.8
0°-90°	3144.8	26.9
90°-120°	4082.4	34.9
90°-150°	7435.2	63.6
90°-180°	8543.0	73.1
0°-180°	11687.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1211	1211	1211	1211	1211	
5°	1217	1254	1217	986	1217	115
15°	1162	1243	1162	1038	1162	327
25°	1023	1159	1023	1015	1023	470
35°	778	1034	778	883	778	481
45°	502	852	502	748	502	402
55°	409	629	409	614	409	376
65°	284	379	284	424	284	272
75°	108	180	108	215	108	113
85°	18	46	18	39	18	25
90°	9	34	9	34	9	8
95°	85	388	85	388	85	94
105°	304	2645	304	2645	304	323
115°	540	3405	540	3405	540	534
125°	752	2712	752	2712	752	667
135°	896	2104	896	2104	896	693
145°	1039	1707	1039	1707	1039	651
155°	1175	1470	1175	1470	1175	540
165°	1267	1369	1267	1369	1267	358
175°	1318	1327	1318	1327	1318	125
180°	1318	1318	1318	1318	1318	



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1221.2	1221.2	1228.2	1230.5	1230.5	1227.0	1223.5	1227.0	1237.3	1240.7	1239.6
5°	1216.7	1225.8	1238.5	1240.7	1243.0	1241.9	1239.6	1241.9	1253.3	1255.7	1256.8
7.5°	1207.5	1224.7	1240.7	1244.2	1247.6	1244.2	1243.0	1245.3	1256.8	1259.1	1259.1
10°	1196.0	1220.1	1238.5	1240.7	1244.2	1240.7	1240.7	1245.3	1256.8	1259.1	1260.2
12.5°	1180.0	1213.2	1230.5	1232.7	1237.3	1236.2	1235.0	1239.6	1251.0	1253.3	1253.3
15°	1161.7	1200.6	1216.7	1218.9	1227.0	1224.7	1224.7	1229.3	1241.9	1245.3	1244.2
17.5°	1136.5	1184.6	1203.0	1206.4	1212.1	1211.0	1212.1	1216.7	1228.2	1230.5	1231.6
20°	1107.8	1162.8	1184.6	1188.0	1193.7	1193.7	1193.7	1199.5	1211.0	1215.5	1215.5
22.5°	1068.9	1139.9	1162.8	1165.1	1172.0	1172.0	1174.3	1182.3	1192.6	1193.7	1193.7
25°	1023.1	1114.7	1134.2	1141.0	1147.9	1151.4	1154.8	1159.4	1162.8	1161.7	1162.8
27.5°	975.0	1082.6	1107.8	1112.4	1121.6	1125.1	1129.6	1130.8	1131.9	1135.3	1133.1
30°	921.1	1037.9	1075.8	1080.4	1095.2	1097.6	1092.9	1095.2	1101.0	1103.3	1105.6
32.5°	860.4	971.5	1042.5	1052.9	1066.6	1059.7	1058.6	1062.0	1071.2	1071.2	1073.5
35°	777.9	920.0	1011.6	1020.8	1031.1	1023.1	1027.7	1028.8	1034.5	1037.9	1036.8
37.5°	687.4	875.3	979.5	986.4	994.5	984.1	991.0	994.5	999.0	996.7	996.7
40°	607.2	805.4	941.8	946.3	953.2	945.2	952.0	954.3	956.6	954.3	953.2
42.5°	547.6	728.7	901.6	907.3	902.7	908.5	910.8	915.4	912.0	907.3	907.3
45°	501.8	708.0	858.1	865.0	858.1	867.3	870.7	870.7	860.4	858.1	856.9
47.5°	486.9	666.7	814.6	814.6	811.1	822.6	828.3	820.3	810.0	806.6	806.6
50°	485.7	621.0	755.0	750.4	766.4	780.2	774.4	766.4	758.4	745.8	745.8
52.5°	441.1	564.8	678.3	695.4	720.6	728.7	719.4	711.5	697.7	691.9	687.4
55°	409.0	506.4	608.3	642.7	669.0	679.4	662.2	654.2	633.5	630.1	627.8
57.5°	402.1	421.6	544.2	587.7	619.8	618.6	608.3	593.4	576.3	572.9	571.7
60°	368.9	304.8	475.4	527.0	560.2	556.8	547.6	533.8	517.9	515.6	513.2
62.5°	334.6	221.1	397.5	455.9	502.9	501.8	493.8	473.2	461.7	455.9	451.4
65°	284.1	185.6	283.0	379.2	446.8	449.1	431.9	417.0	404.4	397.5	396.4
67.5°	216.5	151.3	191.3	316.2	393.0	390.7	368.9	362.1	346.0	342.6	335.7
70°	160.4	100.8	132.9	256.7	340.3	334.6	317.3	309.4	294.4	286.4	281.9
72.5°	132.9	81.3	97.4	199.4	286.4	279.6	264.6	255.5	242.9	236.0	231.4
75°	107.7	85.9	74.5	147.8	232.6	228.0	214.2	205.1	194.7	185.6	186.7
77.5°	79.1	80.2	59.5	108.8	184.5	177.6	169.5	158.1	153.5	144.3	144.3
80°	59.5	63.0	44.7	74.5	132.9	132.9	126.0	118.0	110.0	105.4	105.4
82.5°	40.1	40.1	33.2	47.0	90.5	87.0	82.5	80.2	75.6	73.3	73.3
85°	18.4	22.9	20.6	28.6	49.3	51.6	51.6	49.3	48.1	45.9	47.0
87.5°	5.7	10.3	12.6	16.1	25.2	26.4	27.5	27.5	27.5	28.6	28.6
90°	8.9	16.0	23.0	24.8	38.9	57.8	67.2	59.7	44.8	33.6	33.6
92.5°	35.4	95.5	155.7	170.7	240.0	332.3	378.5	331.7	238.2	168.0	161.3
95°	84.9	195.0	305.1	332.6	590.5	934.5	1106.4	987.4	749.2	570.5	550.2
97.5°	146.8	243.9	341.1	365.3	795.4	1369.0	1655.7	1580.5	1429.9	1317.0	1278.5
100°	194.6	282.6	370.7	392.7	870.0	1506.4	1824.7	1830.1	1841.2	1849.4	1803.6
102.5°	235.2	317.4	399.6	420.1	904.3	1549.7	1872.4	1968.3	2160.2	2304.0	2264.7
105°	304.2	373.9	443.4	460.8	929.5	1554.6	1867.1	2082.1	2512.2	2834.7	2813.6
107.5°	375.0	439.9	504.7	520.9	934.2	1485.4	1761.0	2060.9	2660.8	3110.6	3115.8
110°	422.8	481.4	540.0	554.6	927.2	1424.1	1672.6	2007.9	2678.5	3181.4	3203.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	469.7	525.5	581.3	595.2	927.5	1370.5	1592.0	1935.2	2621.5	3136.3	3170.1
115°	540.4	591.9	643.3	656.2	936.0	1309.1	1495.7	1826.2	2487.4	2983.3	3030.2
117.5°	610.3	657.1	703.8	715.5	953.5	1270.7	1429.3	1727.6	2324.3	2771.9	2823.9
120°	650.9	695.0	739.0	750.0	967.6	1257.7	1402.7	1675.4	2220.6	2629.5	2680.0
122.5°	690.7	735.1	779.6	790.7	987.9	1250.9	1382.4	1627.9	2118.9	2487.1	2536.9
125°	751.8	792.3	832.8	842.9	1015.3	1245.3	1360.3	1568.9	1985.9	2298.7	2344.6
127.5°	801.3	842.3	883.1	893.3	1042.8	1242.1	1341.7	1520.8	1878.9	2147.4	2186.1
130°	827.8	871.9	915.9	926.9	1062.8	1244.0	1334.7	1494.0	1812.9	2052.0	2087.7
132.5°	855.2	899.3	943.3	954.3	1079.0	1245.3	1328.4	1471.2	1756.5	1970.6	2002.6
135°	896.0	936.0	976.2	986.2	1096.7	1244.1	1317.8	1437.3	1676.3	1855.6	1883.2
137.5°	937.5	977.2	1016.9	1026.8	1123.3	1251.8	1316.0	1417.1	1619.2	1770.7	1793.3
140°	972.0	1008.6	1045.1	1054.3	1139.5	1253.1	1309.9	1397.2	1571.7	1702.6	1723.7
142.5°	998.6	1032.4	1066.1	1074.6	1153.0	1257.6	1309.9	1386.5	1539.8	1654.8	1673.0
145°	1039.2	1068.7	1098.2	1105.6	1170.8	1257.6	1301.0	1363.7	1489.2	1583.2	1597.0
147.5°	1080.0	1108.7	1137.4	1144.5	1196.7	1266.2	1301.0	1350.4	1449.0	1523.1	1534.4
150°	1106.4	1132.4	1158.4	1164.9	1210.2	1270.8	1301.0	1342.7	1426.1	1488.6	1497.8
152.5°	1133.9	1153.5	1173.1	1178.1	1219.1	1273.7	1301.0	1336.6	1407.8	1461.2	1468.2
155°	1174.6	1189.1	1203.6	1207.3	1238.6	1280.2	1301.0	1329.4	1386.0	1428.4	1433.1
157.5°	1204.7	1218.8	1232.9	1236.4	1258.0	1286.7	1301.0	1323.0	1367.0	1400.1	1403.3
160°	1225.0	1236.0	1247.0	1249.8	1266.8	1289.6	1301.0	1319.9	1357.6	1385.9	1387.8
162.5°	1245.3	1253.5	1261.8	1263.9	1276.2	1292.7	1301.0	1316.9	1348.8	1372.7	1374.5
165°	1267.4	1275.0	1282.4	1284.3	1289.8	1297.2	1301.0	1312.5	1335.3	1352.3	1354.2
167.5°	1287.8	1291.3	1294.9	1295.7	1300.4	1306.7	1309.9	1317.3	1332.3	1343.5	1344.2
170°	1301.0	1304.6	1308.2	1309.0	1309.3	1309.7	1309.9	1317.3	1332.3	1343.5	1343.5
172.5°	1308.1	1308.9	1309.7	1309.9	1309.9	1309.9	1309.9	1315.8	1327.6	1336.5	1335.8
175°	1317.8	1317.8	1317.8	1317.8	1315.2	1311.7	1309.9	1313.6	1321.1	1326.7	1326.7
177.5°	1317.8	1317.8	1317.8	1317.8	1315.8	1313.1	1311.7	1314.6	1320.5	1324.9	1324.2
180°	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8



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CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1241.9	1238.5	1241.9	1239.6	1240.7	1237.3	1227.0	1223.5	1227.0	1230.5	1230.5
5°	1256.8	1254.5	1256.8	1256.8	1255.7	1253.3	1241.9	1239.6	1241.9	1243.0	1240.7
7.5°	1261.4	1258.0	1261.4	1259.1	1259.1	1256.8	1245.3	1243.0	1244.2	1247.6	1244.2
10°	1261.4	1258.0	1261.4	1260.2	1259.1	1256.8	1245.3	1240.7	1240.7	1244.2	1240.7
12.5°	1255.7	1253.3	1255.7	1253.3	1253.3	1251.0	1239.6	1235.0	1236.2	1237.3	1232.7
15°	1246.4	1243.0	1246.4	1244.2	1245.3	1241.9	1229.3	1224.7	1224.7	1227.0	1218.9
17.5°	1232.7	1228.2	1232.7	1231.6	1230.5	1228.2	1216.7	1212.1	1211.0	1212.1	1206.4
20°	1216.7	1213.2	1216.7	1215.5	1215.5	1211.0	1199.5	1193.7	1193.7	1193.7	1188.0
22.5°	1191.5	1188.0	1191.5	1193.7	1193.7	1192.6	1182.3	1174.3	1172.0	1172.0	1165.1
25°	1162.8	1159.4	1162.8	1162.8	1161.7	1162.8	1159.4	1154.8	1151.4	1147.9	1141.0
27.5°	1135.3	1133.1	1135.3	1133.1	1135.3	1131.9	1130.8	1129.6	1125.1	1121.6	1112.4
30°	1107.8	1105.6	1107.8	1105.6	1103.3	1101.0	1095.2	1092.9	1097.6	1095.2	1080.4
32.5°	1073.5	1071.2	1073.5	1073.5	1071.2	1071.2	1062.0	1058.6	1059.7	1066.6	1052.9
35°	1037.9	1034.5	1037.9	1036.8	1037.9	1034.5	1028.8	1027.7	1023.1	1031.1	1020.8
37.5°	996.7	993.3	996.7	996.7	996.7	999.0	994.5	991.0	984.1	994.5	986.4
40°	954.3	949.7	954.3	953.2	954.3	956.6	954.3	952.0	945.2	953.2	946.3
42.5°	906.2	905.0	906.2	907.3	907.3	912.0	915.4	910.8	908.5	902.7	907.3
45°	854.6	852.3	854.6	856.9	858.1	860.4	870.7	870.7	867.3	858.1	865.0
47.5°	799.6	793.9	799.6	806.6	806.6	810.0	820.3	828.3	822.6	811.1	814.6
50°	741.2	742.4	741.2	745.8	745.8	758.4	766.4	774.4	780.2	766.4	750.4
52.5°	684.0	682.8	684.0	687.4	691.9	697.7	711.5	719.4	728.7	720.6	695.4
55°	626.7	629.0	626.7	627.8	630.1	633.5	654.2	662.2	679.4	669.0	642.7
57.5°	569.4	565.9	569.4	571.7	572.9	576.3	593.4	608.3	618.6	619.8	587.7
60°	502.9	498.4	502.9	513.2	515.6	517.9	533.8	547.6	556.8	560.2	527.0
62.5°	444.5	436.5	444.5	451.4	455.9	461.7	473.2	493.8	501.8	502.9	455.9
65°	382.6	379.2	382.6	396.4	397.5	404.4	417.0	431.9	449.1	446.8	379.2
67.5°	326.5	326.5	326.5	335.7	342.6	346.0	362.1	368.9	390.7	393.0	316.2
70°	274.9	273.8	274.9	281.9	286.4	294.4	309.4	317.3	334.6	340.3	256.7
72.5°	225.7	224.6	225.7	231.4	236.0	242.9	255.5	264.6	279.6	286.4	199.4
75°	182.2	179.9	182.2	186.7	185.6	194.7	205.1	214.2	228.0	232.6	147.8
77.5°	139.7	139.7	139.7	144.3	144.3	153.5	158.1	169.5	177.6	184.5	108.8
80°	104.3	103.1	104.3	105.4	105.4	110.0	118.0	126.0	132.9	132.9	74.5
82.5°	73.3	71.1	73.3	73.3	73.3	75.6	80.2	82.5	87.0	90.5	47.0
85°	45.9	45.9	45.9	47.0	45.9	48.1	49.3	51.6	51.6	49.3	28.6
87.5°	29.8	28.6	29.8	28.6	28.6	27.5	27.5	27.5	26.4	25.2	16.1
90°	33.6	33.6	33.6	33.6	33.6	44.8	59.7	67.2	57.8	38.9	24.8
92.5°	134.6	107.9	134.6	161.3	168.0	238.2	331.7	378.5	332.3	240.0	170.7
95°	469.3	388.3	469.3	550.2	570.5	749.2	987.4	1106.4	934.5	590.5	332.6
97.5°	1124.4	970.3	1124.4	1278.5	1317.0	1429.9	1580.5	1655.7	1369.0	795.4	365.3
100°	1619.9	1436.4	1619.9	1803.6	1849.4	1841.2	1830.1	1824.7	1506.4	870.0	392.7
102.5°	2107.5	1950.2	2107.5	2264.7	2304.0	2160.2	1968.3	1872.4	1549.7	904.3	420.1
105°	2729.0	2644.6	2729.0	2813.6	2834.7	2512.2	2082.1	1867.1	1554.6	929.5	460.8
107.5°	3136.2	3156.6	3136.2	3115.8	3110.6	2660.8	2060.9	1761.0	1485.4	934.2	520.9
110°	3291.5	3379.5	3291.5	3203.4	3181.4	2678.5	2007.9	1672.6	1424.1	927.2	554.6



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3305.3	3440.5	3305.3	3170.1	3136.3	2621.5	1935.2	1592.0	1370.5	927.5	595.2
115°	3217.7	3405.2	3217.7	3030.2	2983.3	2487.4	1826.2	1495.7	1309.1	936.0	656.2
117.5°	3031.8	3239.8	3031.8	2823.9	2771.9	2324.3	1727.6	1429.3	1270.7	953.5	715.5
120°	2882.1	3084.1	2882.1	2680.0	2629.5	2220.6	1675.4	1402.7	1257.7	967.6	750.0
122.5°	2736.3	2935.6	2736.3	2536.9	2487.1	2118.9	1627.9	1382.4	1250.9	987.9	790.7
125°	2528.2	2711.8	2528.2	2344.6	2298.7	1985.9	1568.9	1360.3	1245.3	1015.3	842.9
127.5°	2341.1	2495.9	2341.1	2186.1	2147.4	1878.9	1520.8	1341.7	1242.1	1042.8	893.3
130°	2230.8	2373.9	2230.8	2087.7	2052.0	1812.9	1494.0	1334.7	1244.0	1062.8	926.9
132.5°	2130.8	2258.9	2130.8	2002.6	1970.6	1756.5	1471.2	1328.4	1245.3	1079.0	954.3
135°	1993.7	2104.1	1993.7	1883.2	1855.6	1676.3	1437.3	1317.8	1244.1	1096.7	986.2
137.5°	1883.7	1974.1	1883.7	1793.3	1770.7	1619.2	1417.1	1316.0	1251.8	1123.3	1026.8
140°	1808.3	1892.7	1808.3	1723.7	1702.6	1571.7	1397.2	1309.9	1253.1	1139.5	1054.3
142.5°	1745.7	1818.4	1745.7	1673.0	1654.8	1539.8	1386.5	1309.9	1257.6	1153.0	1074.6
145°	1652.0	1707.0	1652.0	1597.0	1583.2	1489.2	1363.7	1301.0	1257.6	1170.8	1105.6
147.5°	1580.1	1625.7	1580.1	1534.4	1523.1	1449.0	1350.4	1301.0	1266.2	1196.7	1144.5
150°	1534.8	1571.7	1534.8	1497.8	1488.6	1426.1	1342.7	1301.0	1270.8	1210.2	1164.9
152.5°	1496.0	1523.9	1496.0	1468.2	1461.2	1407.8	1336.6	1301.0	1273.7	1219.1	1178.1
155°	1451.5	1470.0	1451.5	1433.1	1428.4	1386.0	1329.4	1301.0	1280.2	1238.6	1207.3
157.5°	1416.3	1429.3	1416.3	1403.3	1400.1	1367.0	1323.0	1301.0	1286.7	1258.0	1236.4
160°	1395.2	1402.7	1395.2	1387.8	1385.9	1357.6	1319.9	1301.0	1289.6	1266.8	1249.8
162.5°	1381.6	1388.6	1381.6	1374.5	1372.7	1348.8	1316.9	1301.0	1292.7	1276.2	1263.9
165°	1361.7	1369.2	1361.7	1354.2	1352.3	1335.3	1312.5	1301.0	1297.2	1289.8	1284.3
167.5°	1347.4	1350.5	1347.4	1344.2	1343.5	1332.3	1317.3	1309.9	1306.7	1300.4	1295.7
170°	1343.5	1343.5	1343.5	1343.5	1343.5	1332.3	1317.3	1309.9	1309.7	1309.3	1309.0
172.5°	1333.0	1330.2	1333.0	1335.8	1336.5	1327.6	1315.8	1309.9	1309.9	1309.9	1309.9
175°	1326.7	1326.7	1326.7	1326.7	1326.7	1321.1	1313.6	1309.9	1311.7	1315.2	1317.8
177.5°	1321.0	1317.8	1321.0	1324.2	1324.9	1320.5	1314.6	1311.7	1313.1	1315.8	1317.8
180°	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1228.2	1221.2	1221.2	1209.8	1205.3	1201.8	1196.0	1178.9	1174.3	1169.7	1176.6
5°	1238.5	1225.8	1216.7	1196.0	1178.9	1172.0	1150.3	1109.0	1081.5	1060.8	1049.4
7.5°	1240.7	1224.7	1207.5	1175.5	1134.2	1115.8	1049.4	973.8	953.2	934.8	923.4
10°	1238.5	1220.1	1196.0	1147.9	1050.6	1018.5	952.0	902.7	890.2	886.8	890.2
12.5°	1230.5	1213.2	1180.0	1099.9	963.5	941.8	902.7	874.1	871.8	877.5	908.5
15°	1216.7	1200.6	1161.7	1035.6	915.4	899.3	871.8	861.6	874.1	914.3	1007.0
17.5°	1203.0	1184.6	1136.5	972.7	878.7	867.3	847.8	868.4	939.5	993.3	1024.2
20°	1184.6	1162.8	1107.8	926.8	852.3	842.1	832.9	925.7	979.5	999.0	1016.2
22.5°	1162.8	1139.9	1068.9	894.8	824.8	816.9	822.6	957.7	979.5	993.3	1008.1
25°	1134.2	1114.7	1023.1	869.6	803.1	793.9	815.7	954.3	967.0	970.4	1000.2
27.5°	1107.8	1082.6	975.0	846.6	776.7	773.3	821.4	939.5	948.6	952.0	984.1
30°	1075.8	1037.9	921.1	822.6	749.2	748.1	822.6	921.1	918.8	928.0	960.0
32.5°	1042.5	971.5	860.4	792.8	722.9	721.7	814.6	893.6	891.3	903.9	928.0
35°	1011.6	920.0	777.9	758.4	689.7	690.8	795.1	861.6	862.7	874.1	889.1
37.5°	979.5	875.3	687.4	720.6	657.6	657.6	768.7	831.7	829.4	832.9	853.5
40°	941.8	805.4	607.2	671.3	627.8	624.4	736.7	799.6	791.6	790.5	819.1
42.5°	901.6	728.7	547.6	606.1	593.4	588.8	697.7	760.7	745.8	749.2	785.9
45°	858.1	708.0	501.8	512.1	557.9	554.5	655.3	716.0	705.7	714.9	752.7
47.5°	814.6	666.7	486.9	425.0	520.2	519.0	608.3	672.5	666.7	676.0	716.0
50°	755.0	621.0	485.7	364.3	477.7	482.3	552.2	630.1	630.1	638.1	680.5
52.5°	678.3	564.8	441.1	329.9	428.4	442.2	502.9	593.4	595.8	603.8	641.5
55°	608.3	506.4	409.0	303.6	370.0	399.8	454.8	555.6	560.2	568.3	602.6
57.5°	544.2	421.6	402.1	272.6	316.2	344.8	412.5	519.0	521.3	528.1	561.3
60°	475.4	304.8	368.9	239.4	269.2	291.0	373.5	475.4	483.4	488.0	516.7
62.5°	397.5	221.1	334.6	216.5	246.3	250.9	341.4	434.2	444.5	448.0	465.2
65°	283.0	185.6	284.1	197.0	222.2	223.4	307.1	391.8	401.0	406.7	419.3
67.5°	191.3	151.3	216.5	178.7	204.0	205.1	273.8	342.6	355.1	359.8	367.8
70°	132.9	100.8	160.4	159.2	183.3	185.6	238.3	297.8	309.4	312.8	317.3
72.5°	97.4	81.3	132.9	143.2	161.5	163.8	201.7	247.4	258.9	262.4	264.6
75°	74.5	85.9	107.7	124.9	137.5	138.6	164.9	201.7	209.7	211.9	213.1
77.5°	59.5	80.2	79.1	100.8	112.2	110.0	129.5	155.8	162.7	162.7	162.7
80°	44.7	63.0	59.5	72.2	82.5	80.2	92.8	111.1	113.4	115.7	114.5
82.5°	33.2	40.1	40.1	45.9	55.0	52.7	61.8	72.2	72.2	72.2	74.5
85°	20.6	22.9	18.4	24.1	30.9	29.8	34.3	38.9	40.1	40.1	37.8
87.5°	12.6	10.3	5.7	9.1	13.8	13.8	16.1	17.2	16.1	16.1	16.1
90°	23.0	16.0	8.9	16.0	23.0	24.8	38.9	57.8	67.2	59.7	44.8
92.5°	155.7	95.5	35.4	95.5	155.7	170.7	240.0	332.3	378.5	331.7	238.2
95°	305.1	195.0	84.9	195.0	305.1	332.6	590.5	934.5	1106.4	987.4	749.2
97.5°	341.1	243.9	146.8	243.9	341.1	365.3	795.4	1369.0	1655.7	1580.5	1429.9
100°	370.7	282.6	194.6	282.6	370.7	392.7	870.0	1506.4	1824.7	1830.1	1841.2
102.5°	399.6	317.4	235.2	317.4	399.6	420.1	904.3	1549.7	1872.4	1968.3	2160.2
105°	443.4	373.9	304.2	373.9	443.4	460.8	929.5	1554.6	1867.1	2082.1	2512.2
107.5°	504.7	439.9	375.0	439.9	504.7	520.9	934.2	1485.4	1761.0	2060.9	2660.8
110°	540.0	481.4	422.8	481.4	540.0	554.6	927.2	1424.1	1672.6	2007.9	2678.5



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	581.3	525.5	469.7	525.5	581.3	595.2	927.5	1370.5	1592.0	1935.2	2621.5
115°	643.3	591.9	540.4	591.9	643.3	656.2	936.0	1309.1	1495.7	1826.2	2487.4
117.5°	703.8	657.1	610.3	657.1	703.8	715.5	953.5	1270.7	1429.3	1727.6	2324.3
120°	739.0	695.0	650.9	695.0	739.0	750.0	967.6	1257.7	1402.7	1675.4	2220.6
122.5°	779.6	735.1	690.7	735.1	779.6	790.7	987.9	1250.9	1382.4	1627.9	2118.9
125°	832.8	792.3	751.8	792.3	832.8	842.9	1015.3	1245.3	1360.3	1568.9	1985.9
127.5°	883.1	842.3	801.3	842.3	883.1	893.3	1042.8	1242.1	1341.7	1520.8	1878.9
130°	915.9	871.9	827.8	871.9	915.9	926.9	1062.8	1244.0	1334.7	1494.0	1812.9
132.5°	943.3	899.3	855.2	899.3	943.3	954.3	1079.0	1245.3	1328.4	1471.2	1756.5
135°	976.2	936.0	896.0	936.0	976.2	986.2	1096.7	1244.1	1317.8	1437.3	1676.3
137.5°	1016.9	977.2	937.5	977.2	1016.9	1026.8	1123.3	1251.8	1316.0	1417.1	1619.2
140°	1045.1	1008.6	972.0	1008.6	1045.1	1054.3	1139.5	1253.1	1309.9	1397.2	1571.7
142.5°	1066.1	1032.4	998.6	1032.4	1066.1	1074.6	1153.0	1257.6	1309.9	1386.5	1539.8
145°	1098.2	1068.7	1039.2	1068.7	1098.2	1105.6	1170.8	1257.6	1301.0	1363.7	1489.2
147.5°	1137.4	1108.7	1080.0	1108.7	1137.4	1144.5	1196.7	1266.2	1301.0	1350.4	1449.0
150°	1158.4	1132.4	1106.4	1132.4	1158.4	1164.9	1210.2	1270.8	1301.0	1342.7	1426.1
152.5°	1173.1	1153.5	1133.9	1153.5	1173.1	1178.1	1219.1	1273.7	1301.0	1336.6	1407.8
155°	1203.6	1189.1	1174.6	1189.1	1203.6	1207.3	1238.6	1280.2	1301.0	1329.4	1386.0
157.5°	1232.9	1218.8	1204.7	1218.8	1232.9	1236.4	1258.0	1286.7	1301.0	1323.0	1367.0
160°	1247.0	1236.0	1225.0	1236.0	1247.0	1249.8	1266.8	1289.6	1301.0	1319.9	1357.6
162.5°	1261.8	1253.5	1245.3	1253.5	1261.8	1263.9	1276.2	1292.7	1301.0	1316.9	1348.8
165°	1282.4	1275.0	1267.4	1275.0	1282.4	1284.3	1289.8	1297.2	1301.0	1312.5	1335.3
167.5°	1294.9	1291.3	1287.8	1291.3	1294.9	1295.7	1300.4	1306.7	1309.9	1317.3	1332.3
170°	1308.2	1304.6	1301.0	1304.6	1308.2	1309.0	1309.3	1309.7	1309.9	1317.3	1332.3
172.5°	1309.7	1308.9	1308.1	1308.9	1309.7	1309.9	1309.9	1309.9	1309.9	1315.8	1327.6
175°	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1315.2	1311.7	1309.9	1313.6	1321.1
177.5°	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1315.8	1313.1	1311.7	1314.6	1320.5
180°	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1168.5	1165.1	1169.7	1157.1	1169.7	1165.1	1168.5	1176.6	1169.7	1174.3	1178.9
5°	1025.4	1019.7	1001.3	986.4	1001.3	1019.7	1025.4	1049.4	1060.8	1081.5	1109.0
7.5°	916.5	912.0	907.3	898.2	907.3	912.0	916.5	923.4	934.8	953.2	973.8
10°	892.5	893.6	900.5	899.3	900.5	893.6	892.5	890.2	886.8	890.2	902.7
12.5°	954.3	964.7	1002.4	1000.2	1002.4	964.7	954.3	908.5	877.5	871.8	874.1
15°	1025.4	1028.8	1036.8	1037.9	1036.8	1028.8	1025.4	1007.0	914.3	874.1	861.6
17.5°	1032.2	1033.4	1039.1	1039.1	1039.1	1033.4	1032.2	1024.2	993.3	939.5	868.4
20°	1026.5	1028.8	1040.2	1042.5	1040.2	1028.8	1026.5	1016.2	999.0	979.5	925.7
22.5°	1024.2	1028.8	1037.9	1036.8	1037.9	1028.8	1024.2	1008.1	993.3	979.5	957.7
25°	1012.7	1012.7	1013.9	1015.0	1013.9	1012.7	1012.7	1000.2	970.4	967.0	954.3
27.5°	988.7	991.0	997.9	996.7	997.9	991.0	988.7	984.1	952.0	948.6	939.5
30°	967.0	964.7	958.9	954.3	958.9	964.7	967.0	960.0	928.0	918.8	921.1
32.5°	930.2	924.5	918.8	915.4	918.8	924.5	930.2	928.0	903.9	891.3	893.6
35°	886.8	887.9	886.8	883.3	886.8	887.9	886.8	889.1	874.1	862.7	861.6
37.5°	855.8	858.1	856.9	852.3	856.9	858.1	855.8	853.5	832.9	829.4	831.7
40°	823.7	824.8	823.7	820.3	823.7	824.8	823.7	819.1	790.5	791.6	799.6
42.5°	792.8	791.6	788.2	785.9	788.2	791.6	792.8	785.9	749.2	745.8	760.7
45°	757.3	758.4	751.5	748.1	751.5	758.4	757.3	752.7	714.9	705.7	716.0
47.5°	721.7	721.7	716.0	712.6	716.0	721.7	721.7	716.0	676.0	666.7	672.5
50°	684.0	682.8	674.8	673.7	674.8	682.8	684.0	680.5	638.1	630.1	630.1
52.5°	640.4	640.4	641.5	643.8	641.5	640.4	640.4	641.5	603.8	595.8	593.4
55°	602.6	603.8	611.8	614.0	611.8	603.8	602.6	602.6	568.3	560.2	555.6
57.5°	563.6	563.6	569.4	569.4	569.4	563.6	563.6	561.3	528.1	521.3	519.0
60°	519.0	521.3	525.9	524.7	525.9	521.3	519.0	516.7	488.0	483.4	475.4
62.5°	472.0	474.3	475.4	473.2	475.4	474.3	472.0	465.2	448.0	444.5	434.2
65°	422.7	425.0	426.2	423.9	426.2	425.0	422.7	419.3	406.7	401.0	391.8
67.5°	372.3	371.2	370.0	374.6	370.0	371.2	372.3	367.8	359.8	355.1	342.6
70°	320.8	320.8	319.6	321.9	319.6	320.8	320.8	317.3	312.8	309.4	297.8
72.5°	265.8	264.6	269.2	265.8	269.2	264.6	265.8	264.6	262.4	258.9	247.4
75°	211.9	214.2	211.9	215.4	211.9	214.2	211.9	213.1	211.9	209.7	201.7
77.5°	161.5	163.8	161.5	161.5	161.5	163.8	161.5	162.7	162.7	162.7	155.8
80°	114.5	113.4	113.4	112.2	113.4	113.4	114.5	114.5	115.7	113.4	111.1
82.5°	73.3	72.2	72.2	74.5	72.2	72.2	73.3	74.5	72.2	72.2	72.2
85°	40.1	41.3	38.9	38.9	38.9	41.3	40.1	37.8	40.1	40.1	38.9
87.5°	14.9	13.8	13.8	13.8	13.8	13.8	14.9	16.1	16.1	16.1	17.2
90°	33.6	33.6	33.6	33.6	33.6	33.6	33.6	44.8	59.7	67.2	57.8
92.5°	168.0	161.3	134.6	107.9	134.6	161.3	168.0	238.2	331.7	378.5	332.3
95°	570.5	550.2	469.3	388.3	469.3	550.2	570.5	749.2	987.4	1106.4	934.5
97.5°	1317.0	1278.5	1124.4	970.3	1124.4	1278.5	1317.0	1429.9	1580.5	1655.7	1369.0
100°	1849.4	1803.6	1619.9	1436.4	1619.9	1803.6	1849.4	1841.2	1830.1	1824.7	1506.4
102.5°	2304.0	2264.7	2107.5	1950.2	2107.5	2264.7	2304.0	2160.2	1968.3	1872.4	1549.7
105°	2834.7	2813.6	2729.0	2644.6	2729.0	2813.6	2834.7	2512.2	2082.1	1867.1	1554.6
107.5°	3110.6	3115.8	3136.2	3156.6	3136.2	3115.8	3110.6	2660.8	2060.9	1761.0	1485.4
110°	3181.4	3203.4	3291.5	3379.5	3291.5	3203.4	3181.4	2678.5	2007.9	1672.6	1424.1



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3136.3	3170.1	3305.3	3440.5	3305.3	3170.1	3136.3	2621.5	1935.2	1592.0	1370.5
115°	2983.3	3030.2	3217.7	3405.2	3217.7	3030.2	2983.3	2487.4	1826.2	1495.7	1309.1
117.5°	2771.9	2823.9	3031.8	3239.8	3031.8	2823.9	2771.9	2324.3	1727.6	1429.3	1270.7
120°	2629.5	2680.0	2882.1	3084.1	2882.1	2680.0	2629.5	2220.6	1675.4	1402.7	1257.7
122.5°	2487.1	2536.9	2736.3	2935.6	2736.3	2536.9	2487.1	2118.9	1627.9	1382.4	1250.9
125°	2298.7	2344.6	2528.2	2711.8	2528.2	2344.6	2298.7	1985.9	1568.9	1360.3	1245.3
127.5°	2147.4	2186.1	2341.1	2495.9	2341.1	2186.1	2147.4	1878.9	1520.8	1341.7	1242.1
130°	2052.0	2087.7	2230.8	2373.9	2230.8	2087.7	2052.0	1812.9	1494.0	1334.7	1244.0
132.5°	1970.6	2002.6	2130.8	2258.9	2130.8	2002.6	1970.6	1756.5	1471.2	1328.4	1245.3
135°	1855.6	1883.2	1993.7	2104.1	1993.7	1883.2	1855.6	1676.3	1437.3	1317.8	1244.1
137.5°	1770.7	1793.3	1883.7	1974.1	1883.7	1793.3	1770.7	1619.2	1417.1	1316.0	1251.8
140°	1702.6	1723.7	1808.3	1892.7	1808.3	1723.7	1702.6	1571.7	1397.2	1309.9	1253.1
142.5°	1654.8	1673.0	1745.7	1818.4	1745.7	1673.0	1654.8	1539.8	1386.5	1309.9	1257.6
145°	1583.2	1597.0	1652.0	1707.0	1652.0	1597.0	1583.2	1489.2	1363.7	1301.0	1257.6
147.5°	1523.1	1534.4	1580.1	1625.7	1580.1	1534.4	1523.1	1449.0	1350.4	1301.0	1266.2
150°	1488.6	1497.8	1534.8	1571.7	1534.8	1497.8	1488.6	1426.1	1342.7	1301.0	1270.8
152.5°	1461.2	1468.2	1496.0	1523.9	1496.0	1468.2	1461.2	1407.8	1336.6	1301.0	1273.7
155°	1428.4	1433.1	1451.5	1470.0	1451.5	1433.1	1428.4	1386.0	1329.4	1301.0	1280.2
157.5°	1400.1	1403.3	1416.3	1429.3	1416.3	1403.3	1400.1	1367.0	1323.0	1301.0	1286.7
160°	1385.9	1387.8	1395.2	1402.7	1395.2	1387.8	1385.9	1357.6	1319.9	1301.0	1289.6
162.5°	1372.7	1374.5	1381.6	1388.6	1381.6	1374.5	1372.7	1348.8	1316.9	1301.0	1292.7
165°	1352.3	1354.2	1361.7	1369.2	1361.7	1354.2	1352.3	1335.3	1312.5	1301.0	1297.2
167.5°	1343.5	1344.2	1347.4	1350.5	1347.4	1344.2	1343.5	1332.3	1317.3	1309.9	1306.7
170°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1332.3	1317.3	1309.9	1309.7
172.5°	1336.5	1335.8	1333.0	1330.2	1333.0	1335.8	1336.5	1327.6	1315.8	1309.9	1309.9
175°	1326.7	1326.7	1326.7	1326.7	1326.7	1326.7	1326.7	1321.1	1313.6	1309.9	1311.7
177.5°	1324.9	1324.2	1321.0	1317.8	1321.0	1324.2	1324.9	1320.5	1314.6	1311.7	1313.1
180°	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1211.0	1211.0	1211.0	1211.0	1211.0
2.5°	1196.0	1201.8	1205.3	1209.8	1221.2
5°	1150.3	1172.0	1178.9	1196.0	1216.7
7.5°	1049.4	1115.8	1134.2	1175.5	1207.5
10°	952.0	1018.5	1050.6	1147.9	1196.0
12.5°	902.7	941.8	963.5	1099.9	1180.0
15°	871.8	899.3	915.4	1035.6	1161.7
17.5°	847.8	867.3	878.7	972.7	1136.5
20°	832.9	842.1	852.3	926.8	1107.8
22.5°	822.6	816.9	824.8	894.8	1068.9
25°	815.7	793.9	803.1	869.6	1023.1
27.5°	821.4	773.3	776.7	846.6	975.0
30°	822.6	748.1	749.2	822.6	921.1
32.5°	814.6	721.7	722.9	792.8	860.4
35°	795.1	690.8	689.7	758.4	777.9
37.5°	768.7	657.6	657.6	720.6	687.4
40°	736.7	624.4	627.8	671.3	607.2
42.5°	697.7	588.8	593.4	606.1	547.6
45°	655.3	554.5	557.9	512.1	501.8
47.5°	608.3	519.0	520.2	425.0	486.9
50°	552.2	482.3	477.7	364.3	485.7
52.5°	502.9	442.2	428.4	329.9	441.1
55°	454.8	399.8	370.0	303.6	409.0
57.5°	412.5	344.8	316.2	272.6	402.1
60°	373.5	291.0	269.2	239.4	368.9
62.5°	341.4	250.9	246.3	216.5	334.6
65°	307.1	223.4	222.2	197.0	284.1
67.5°	273.8	205.1	204.0	178.7	216.5
70°	238.3	185.6	183.3	159.2	160.4
72.5°	201.7	163.8	161.5	143.2	132.9
75°	164.9	138.6	137.5	124.9	107.7
77.5°	129.5	110.0	112.2	100.8	79.1
80°	92.8	80.2	82.5	72.2	59.5
82.5°	61.8	52.7	55.0	45.9	40.1
85°	34.3	29.8	30.9	24.1	18.4
87.5°	16.1	13.8	13.8	9.1	5.7
90°	38.9	24.8	23.0	16.0	8.9
92.5°	240.0	170.7	155.7	95.5	35.4
95°	590.5	332.6	305.1	195.0	84.9
97.5°	795.4	365.3	341.1	243.9	146.8
100°	870.0	392.7	370.7	282.6	194.6
102.5°	904.3	420.1	399.6	317.4	235.2
105°	929.5	460.8	443.4	373.9	304.2
107.5°	934.2	520.9	504.7	439.9	375.0
110°	927.2	554.6	540.0	481.4	422.8



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	927.5	595.2	581.3	525.5	469.7
115°	936.0	656.2	643.3	591.9	540.4
117.5°	953.5	715.5	703.8	657.1	610.3
120°	967.6	750.0	739.0	695.0	650.9
122.5°	987.9	790.7	779.6	735.1	690.7
125°	1015.3	842.9	832.8	792.3	751.8
127.5°	1042.8	893.3	883.1	842.3	801.3
130°	1062.8	926.9	915.9	871.9	827.8
132.5°	1079.0	954.3	943.3	899.3	855.2
135°	1096.7	986.2	976.2	936.0	896.0
137.5°	1123.3	1026.8	1016.9	977.2	937.5
140°	1139.5	1054.3	1045.1	1008.6	972.0
142.5°	1153.0	1074.6	1066.1	1032.4	998.6
145°	1170.8	1105.6	1098.2	1068.7	1039.2
147.5°	1196.7	1144.5	1137.4	1108.7	1080.0
150°	1210.2	1164.9	1158.4	1132.4	1106.4
152.5°	1219.1	1178.1	1173.1	1153.5	1133.9
155°	1238.6	1207.3	1203.6	1189.1	1174.6
157.5°	1258.0	1236.4	1232.9	1218.8	1204.7
160°	1266.8	1249.8	1247.0	1236.0	1225.0
162.5°	1276.2	1263.9	1261.8	1253.5	1245.3
165°	1289.8	1284.3	1282.4	1275.0	1267.4
167.5°	1300.4	1295.7	1294.9	1291.3	1287.8
170°	1309.3	1309.0	1308.2	1304.6	1301.0
172.5°	1309.9	1309.9	1309.7	1308.9	1308.1
175°	1315.2	1317.8	1317.8	1317.8	1317.8
177.5°	1315.8	1317.8	1317.8	1317.8	1317.8
180°	1317.8	1317.8	1317.8	1317.8	1317.8



TEST NUMBER: P935443

CATALOG NUMBER: SQ4-FA-125U-050D-92765-1D-UNV-STD-W-8-2700K

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	8.15	8.84	9.28	9.96	11.53	10.99	11.67	12.12	12.80	14.36
	3H	8.61	9.23	9.75	10.36	11.94	12.32	12.93	13.46	14.07	15.65
	4H	8.79	9.38	9.95	10.51	12.10	12.76	13.34	13.91	14.47	16.06
	6H	8.90	9.44	10.06	10.58	12.18	13.04	13.57	14.19	14.71	16.31
	8H	8.90	9.41	10.06	10.56	12.15	13.11	13.62	14.27	14.77	16.36
	12H	8.87	9.35	10.03	10.49	12.11	13.14	13.62	14.31	14.77	16.38
4H	2H	9.16	9.74	10.32	10.88	12.46	11.37	11.96	12.53	13.09	14.68
	3H	10.17	10.66	11.33	11.82	13.42	12.86	13.35	14.03	14.51	16.11
	4H	10.44	10.89	11.61	12.03	13.65	13.39	13.83	14.55	14.98	16.60
	6H	10.56	10.94	11.73	12.11	13.72	13.74	14.13	14.91	15.30	16.91
	8H	10.56	10.91	11.73	12.08	13.70	13.85	14.20	15.02	15.37	16.99
	12H	10.52	10.84	11.70	12.01	13.64	13.90	14.22	15.08	15.39	17.02
8H	4H	10.88	11.24	12.05	12.40	14.03	13.50	13.85	14.67	15.02	16.64
	6H	11.13	11.43	12.32	12.63	14.26	13.93	14.22	15.12	15.43	17.05
	8H	11.18	11.43	12.37	12.61	14.26	14.08	14.34	15.27	15.52	17.16
	12H	11.15	11.38	12.35	12.56	14.23	14.17	14.40	15.37	15.58	17.25
12H	4H	10.88	11.20	12.06	12.38	14.01	13.45	13.78	14.64	14.95	16.58
	6H	11.19	11.45	12.39	12.63	14.28	13.92	14.18	15.12	15.36	17.01
	8H	11.25	11.48	12.45	12.66	14.33	14.08	14.30	15.28	15.48	17.16