

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: P935564

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

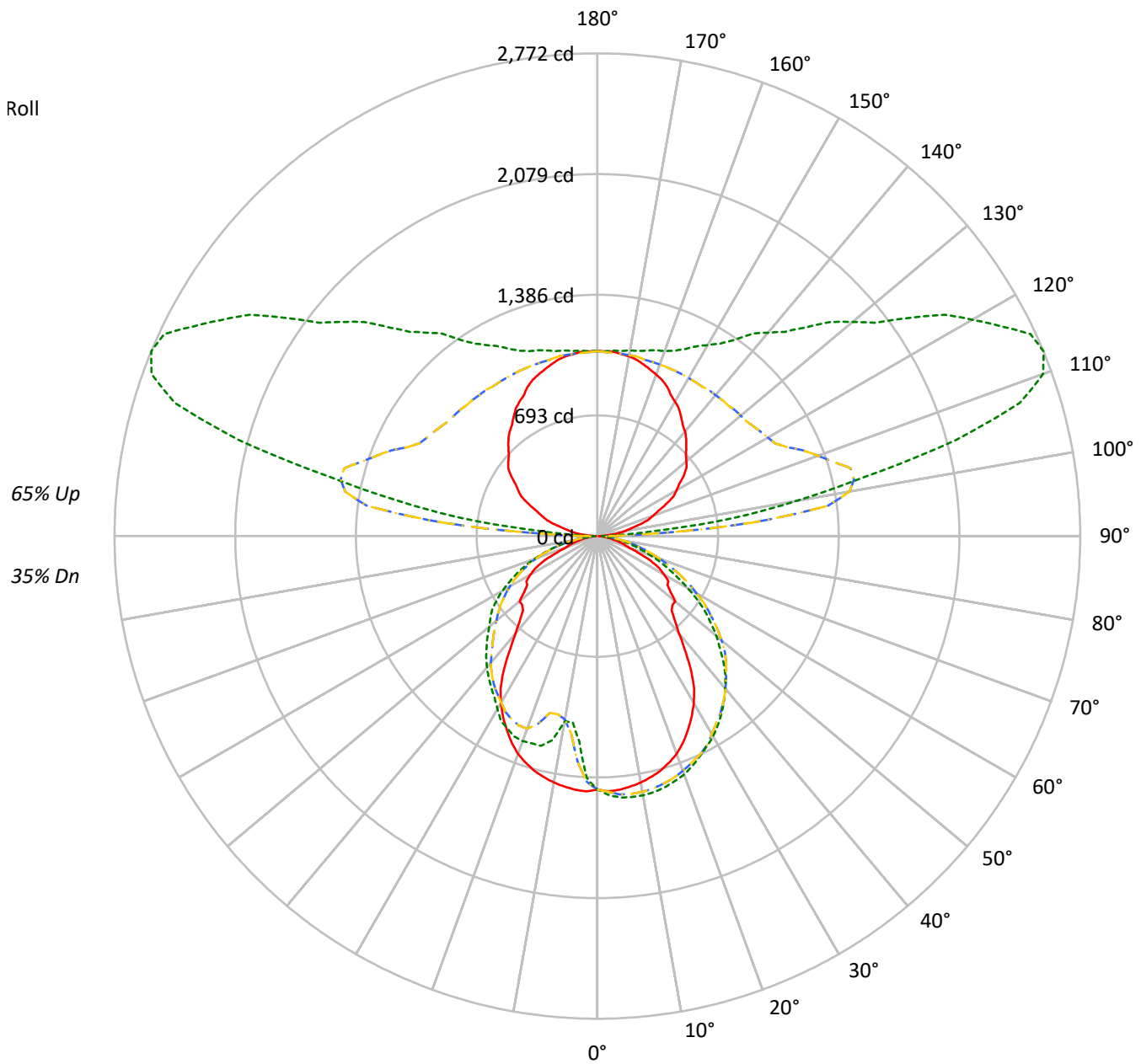
Test Method: LM-79-2019  
Report Number: P935564  
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10660.8 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 83.4  
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: P935564  
CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

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

	0°	90°	180°	270°
0°	9001	9001	9001	9001
5°	9065	9086	9065	7144
10°	9001	8950	9001	6399
15°	8899	8756	8899	7311
20°	8710	8527	8710	7327
25°	8326	8192	8326	7171
30°	7830	7914	7830	6831
35°	6977	7561	6977	6456
40°	5811	7148	5811	6173
45°	5188	6662	5188	5848
50°	5508	6084	5508	5521
55°	5177	5461	5177	5332
60°	5330	4638	5330	4884
65°	4825	3834	4825	4286
70°	3333	3056	3333	3593
75°	2912	2259	2912	2705
80°	2330	1493	2330	1626
85°	1312	791	1312	672

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7957 cd/sqm



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	1.2
10°-20°	372.9	3.5
20°-30°	576.5	5.4
30°-40°	688.2	6.5
40°-50°	692.2	6.5
50°-60°	602.3	5.6
60°-70°	427.0	4.0
70°-80°	225.9	2.1
80°-90°	60.3	0.6
90°-100°	517.6	4.9
100°-110°	1360.9	12.8
110°-120°	1411.1	13.2
120°-130°	1131.9	10.6
130°-140°	888.1	8.3
140°-150°	681.7	6.4
150°-160°	490.9	4.6
160°-170°	300.4	2.8
170°-180°	101.5	1.0
0°-30°	1080.7	10.1
0°-40°	1768.9	16.6
0°-60°	3063.3	28.7
0°-90°	3776.6	35.4
90°-120°	3289.7	30.9
90°-150°	5991.4	56.2
90°-180°	6884.0	64.6
0°-180°	10660.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1455	1455	1455	1455	1455	
5°	1462	1507	1462	1185	1462	139
15°	1396	1494	1396	1247	1396	393
25°	1229	1393	1229	1220	1229	564
35°	935	1243	935	1061	935	578
45°	603	1024	603	899	603	483
55°	491	756	491	738	491	452
65°	341	456	341	509	341	326
75°	129	216	129	259	129	136
85°	22	55	22	47	22	30
90°	7	27	7	27	7	7
95°	68	313	68	313	68	76
105°	245	2131	245	2131	245	260
115°	435	2744	435	2744	435	430
125°	606	2185	606	2185	606	538
135°	722	1696	722	1696	722	559
145°	837	1376	837	1376	837	525
155°	946	1185	946	1185	946	435
165°	1021	1103	1021	1103	1021	288
175°	1062	1069	1062	1069	1062	101
180°	1062	1062	1062	1062	1062	



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1467.4	1467.4	1475.7	1478.4	1478.4	1474.3	1470.1	1474.3	1486.7	1490.8	1489.4
5°	1461.9	1472.9	1488.0	1490.8	1493.5	1492.2	1489.4	1492.2	1505.9	1508.7	1510.1
7.5°	1450.9	1471.5	1490.8	1494.9	1499.1	1494.9	1493.5	1496.3	1510.1	1512.8	1512.8
10°	1437.1	1466.0	1488.0	1490.8	1494.9	1490.8	1490.8	1496.3	1510.1	1512.8	1514.2
12.5°	1417.8	1457.8	1478.4	1481.2	1486.7	1485.3	1483.9	1489.4	1503.2	1505.9	1505.9
15°	1395.8	1442.6	1461.9	1464.6	1474.3	1471.5	1471.5	1477.0	1492.2	1496.3	1494.9
17.5°	1365.5	1423.3	1445.4	1449.5	1456.4	1455.0	1456.4	1461.9	1475.7	1478.4	1479.8
20°	1331.1	1397.2	1423.3	1427.5	1434.4	1434.4	1434.4	1441.2	1455.0	1460.5	1460.5
22.5°	1284.3	1369.7	1397.2	1399.9	1408.2	1408.2	1411.0	1420.6	1433.0	1434.4	1434.4
25°	1229.3	1339.4	1362.8	1371.0	1379.3	1383.4	1387.6	1393.1	1397.2	1395.8	1397.2
27.5°	1171.4	1300.8	1331.1	1336.6	1347.6	1351.8	1357.3	1358.6	1360.0	1364.2	1361.4
30°	1106.7	1247.1	1292.6	1298.1	1316.0	1318.7	1313.2	1316.0	1322.9	1325.6	1328.4
32.5°	1033.8	1167.3	1252.7	1265.0	1281.6	1273.3	1271.9	1276.1	1287.1	1287.1	1289.8
35°	934.7	1105.4	1215.5	1226.5	1238.9	1229.3	1234.8	1236.1	1243.0	1247.1	1245.8
37.5°	825.9	1051.7	1176.9	1185.2	1194.8	1182.5	1190.7	1194.8	1200.3	1197.6	1197.6
40°	729.6	967.7	1131.5	1137.0	1145.3	1135.6	1143.9	1146.7	1149.4	1146.7	1145.3
42.5°	658.0	875.5	1083.3	1090.2	1084.7	1091.6	1094.4	1099.9	1095.7	1090.2	1090.2
45°	602.9	850.7	1031.0	1039.3	1031.0	1042.0	1046.2	1046.2	1033.8	1031.0	1029.7
47.5°	585.0	801.1	978.7	978.7	974.6	988.4	995.2	985.6	973.2	969.1	969.1
50°	583.7	746.1	907.1	901.6	920.9	937.4	930.5	920.9	911.3	896.1	896.1
52.5°	530.0	678.6	814.9	835.6	865.8	875.5	864.5	854.8	838.3	831.4	825.9
55°	491.4	608.4	730.9	772.2	803.9	816.3	795.6	786.0	761.2	757.1	754.3
57.5°	483.2	506.6	653.9	706.2	744.7	743.3	730.9	713.0	692.4	688.3	686.9
60°	443.2	366.2	571.3	633.2	673.1	669.0	658.0	641.5	622.2	619.4	616.7
62.5°	402.0	265.7	477.7	547.9	604.3	602.9	593.3	568.5	554.7	547.9	542.4
65°	341.4	223.0	340.0	455.6	536.9	539.6	519.0	501.1	485.9	477.7	476.3
67.5°	260.2	181.7	229.9	379.9	472.2	469.4	443.2	435.0	415.7	411.6	403.3
70°	192.7	121.1	159.7	308.3	408.8	402.0	381.3	371.7	353.8	344.1	338.6
72.5°	159.7	97.7	117.0	239.5	344.1	335.9	318.0	307.0	291.8	283.6	278.1
75°	129.4	103.2	89.5	177.6	279.4	273.9	257.4	246.4	234.0	223.0	224.4
77.5°	95.0	96.4	71.6	130.8	221.6	213.4	203.7	190.0	184.5	173.4	173.4
80°	71.6	75.7	53.7	89.5	159.7	159.7	151.4	141.8	132.1	126.6	126.6
82.5°	48.2	48.2	39.9	56.4	108.7	104.6	99.1	96.4	90.9	88.1	88.1
85°	22.0	27.5	24.8	34.4	59.2	61.9	61.9	59.2	57.8	55.1	56.4
87.5°	6.9	12.4	15.1	19.3	30.3	31.7	33.0	33.0	33.0	34.4	34.4
90°	7.2	12.8	18.5	19.9	31.3	46.5	54.1	48.1	36.1	27.1	27.1
92.5°	28.5	77.0	125.4	137.6	193.4	267.8	305.0	267.3	192.0	135.5	130.0
95°	68.5	157.1	245.8	268.0	475.8	753.1	891.6	795.6	603.7	459.7	443.3
97.5°	118.3	196.5	274.8	294.3	640.9	1103.2	1334.2	1273.6	1152.3	1061.2	1030.2
100°	156.8	227.8	298.7	316.4	701.0	1213.9	1470.3	1474.7	1483.6	1490.2	1453.3
102.5°	189.6	255.8	322.0	338.5	728.6	1248.7	1508.8	1586.1	1740.7	1856.6	1824.9
105°	245.2	301.3	357.3	371.3	749.0	1252.7	1504.6	1677.8	2024.3	2284.2	2267.2
107.5°	302.2	354.4	406.7	419.8	752.9	1196.9	1419.0	1660.8	2144.1	2506.6	2510.7
110°	340.6	387.8	435.0	446.8	747.1	1147.5	1347.7	1617.9	2158.3	2563.7	2581.4



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	378.5	423.4	468.4	479.7	747.4	1104.4	1282.8	1559.3	2112.4	2527.2	2554.5
115°	435.4	476.9	518.5	528.9	754.3	1054.9	1205.2	1471.6	2004.4	2404.0	2441.8
117.5°	491.8	529.5	567.1	576.6	768.3	1023.9	1151.7	1392.1	1873.0	2233.7	2275.5
120°	524.6	560.1	595.5	604.4	779.7	1013.4	1130.3	1350.0	1789.3	2118.9	2159.6
122.5°	556.7	592.5	628.3	637.2	796.1	1008.0	1114.0	1311.8	1707.5	2004.2	2044.3
125°	605.8	638.4	671.0	679.2	818.2	1003.5	1096.2	1264.2	1600.3	1852.4	1889.4
127.5°	645.7	678.6	711.6	719.8	840.3	1000.9	1081.2	1225.5	1514.1	1730.5	1761.7
130°	667.1	702.6	738.0	746.9	856.4	1002.4	1075.4	1203.9	1460.8	1653.5	1682.3
132.5°	689.2	724.7	760.1	769.0	869.5	1003.5	1070.5	1185.5	1415.5	1587.9	1613.7
135°	722.0	754.3	786.6	794.6	883.7	1002.6	1062.0	1158.2	1350.8	1495.3	1517.5
137.5°	755.4	787.5	819.5	827.5	905.1	1008.7	1060.5	1141.9	1304.7	1426.8	1445.0
140°	783.3	812.7	842.2	849.5	918.2	1009.7	1055.5	1125.8	1266.5	1372.0	1389.0
142.5°	804.6	831.9	859.1	865.9	929.2	1013.4	1055.5	1117.3	1240.8	1333.5	1348.2
145°	837.4	861.2	884.9	890.9	943.4	1013.4	1048.4	1098.9	1200.0	1275.8	1286.9
147.5°	870.3	893.4	916.5	922.3	964.3	1020.4	1048.4	1088.1	1167.7	1227.3	1236.5
150°	891.6	912.6	933.4	938.6	975.2	1024.0	1048.4	1082.0	1149.1	1199.5	1207.0
152.5°	913.7	929.5	945.4	949.4	982.4	1026.4	1048.4	1077.0	1134.4	1177.4	1183.0
155°	946.5	958.3	969.9	972.8	998.0	1031.6	1048.4	1071.2	1116.8	1151.1	1154.8
157.5°	970.7	982.1	993.5	996.3	1013.7	1036.8	1048.4	1066.1	1101.6	1128.2	1130.8
160°	987.1	996.0	1004.9	1007.1	1020.8	1039.2	1048.4	1063.6	1094.0	1116.8	1118.3
162.5°	1003.5	1010.1	1016.8	1018.5	1028.5	1041.8	1048.4	1061.2	1086.8	1106.1	1107.6
165°	1021.3	1027.4	1033.4	1034.9	1039.4	1045.3	1048.4	1057.6	1076.0	1089.8	1091.2
167.5°	1037.7	1040.6	1043.4	1044.2	1047.9	1053.0	1055.5	1061.6	1073.6	1082.6	1083.2
170°	1048.4	1051.2	1054.1	1054.8	1055.1	1055.3	1055.5	1061.6	1073.6	1082.6	1082.6
172.5°	1054.1	1054.7	1055.3	1055.5	1055.5	1055.5	1055.5	1060.3	1069.8	1076.9	1076.4
175°	1062.0	1062.0	1062.0	1062.0	1059.8	1057.0	1055.5	1058.6	1064.6	1069.1	1069.1
177.5°	1062.0	1062.0	1062.0	1062.0	1060.3	1058.0	1056.9	1059.3	1064.1	1067.6	1067.0
180°	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1492.2	1488.0	1492.2	1489.4	1490.8	1486.7	1474.3	1470.1	1474.3	1478.4	1478.4
5°	1510.1	1507.3	1510.1	1510.1	1508.7	1505.9	1492.2	1489.4	1492.2	1493.5	1490.8
7.5°	1515.6	1511.4	1515.6	1512.8	1512.8	1510.1	1496.3	1493.5	1494.9	1499.1	1494.9
10°	1515.6	1511.4	1515.6	1514.2	1512.8	1510.1	1496.3	1490.8	1490.8	1494.9	1490.8
12.5°	1508.7	1505.9	1508.7	1505.9	1505.9	1503.2	1489.4	1483.9	1485.3	1486.7	1481.2
15°	1497.7	1493.5	1497.7	1494.9	1496.3	1492.2	1477.0	1471.5	1471.5	1474.3	1464.6
17.5°	1481.2	1475.7	1481.2	1479.8	1478.4	1475.7	1461.9	1456.4	1455.0	1456.4	1449.5
20°	1461.9	1457.8	1461.9	1460.5	1460.5	1455.0	1441.2	1434.4	1434.4	1434.4	1427.5
22.5°	1431.6	1427.5	1431.6	1434.4	1434.4	1433.0	1420.6	1411.0	1408.2	1408.2	1399.9
25°	1397.2	1393.1	1397.2	1397.2	1395.8	1397.2	1393.1	1387.6	1383.4	1379.3	1371.0
27.5°	1364.2	1361.4	1364.2	1361.4	1364.2	1360.0	1358.6	1357.3	1351.8	1347.6	1336.6
30°	1331.1	1328.4	1331.1	1328.4	1325.6	1322.9	1316.0	1313.2	1318.7	1316.0	1298.1
32.5°	1289.8	1287.1	1289.8	1289.8	1287.1	1287.1	1276.1	1271.9	1273.3	1281.6	1265.0
35°	1247.1	1243.0	1247.1	1245.8	1247.1	1243.0	1236.1	1234.8	1229.3	1238.9	1226.5
37.5°	1197.6	1193.5	1197.6	1197.6	1197.6	1200.3	1194.8	1190.7	1182.5	1194.8	1185.2
40°	1146.7	1141.2	1146.7	1145.3	1146.7	1149.4	1146.7	1143.9	1135.6	1145.3	1137.0
42.5°	1088.8	1087.5	1088.8	1090.2	1090.2	1095.7	1099.9	1094.4	1091.6	1084.7	1090.2
45°	1026.9	1024.1	1026.9	1029.7	1031.0	1033.8	1046.2	1046.2	1042.0	1031.0	1039.3
47.5°	960.8	953.9	960.8	969.1	969.1	973.2	985.6	995.2	988.4	974.6	978.7
50°	890.6	892.0	890.6	896.1	896.1	911.3	920.9	930.5	937.4	920.9	901.6
52.5°	821.8	820.4	821.8	825.9	831.4	838.3	854.8	864.5	875.5	865.8	835.6
55°	753.0	755.7	753.0	754.3	757.1	761.2	786.0	795.6	816.3	803.9	772.2
57.5°	684.1	680.0	684.1	686.9	688.3	692.4	713.0	730.9	743.3	744.7	706.2
60°	604.3	598.8	604.3	616.7	619.4	622.2	641.5	658.0	669.0	673.1	633.2
62.5°	534.1	524.5	534.1	542.4	547.9	554.7	568.5	593.3	602.9	604.3	547.9
65°	459.8	455.6	459.8	476.3	477.7	485.9	501.1	519.0	539.6	536.9	455.6
67.5°	392.3	392.3	392.3	403.3	411.6	415.7	435.0	443.2	469.4	472.2	379.9
70°	330.4	329.0	330.4	338.6	344.1	353.8	371.7	381.3	402.0	408.8	308.3
72.5°	271.2	269.8	271.2	278.1	283.6	291.8	307.0	318.0	335.9	344.1	239.5
75°	218.9	216.1	218.9	224.4	223.0	234.0	246.4	257.4	273.9	279.4	177.6
77.5°	167.9	167.9	167.9	173.4	173.4	184.5	190.0	203.7	213.4	221.6	130.8
80°	125.3	123.9	125.3	126.6	126.6	132.1	141.8	151.4	159.7	159.7	89.5
82.5°	88.1	85.3	88.1	88.1	88.1	90.9	96.4	99.1	104.6	108.7	56.4
85°	55.1	55.1	55.1	56.4	55.1	57.8	59.2	61.9	61.9	59.2	34.4
87.5°	35.8	34.4	35.8	34.4	34.4	33.0	33.0	33.0	31.7	30.3	19.3
90°	27.1	27.1	27.1	27.1	27.1	36.1	48.1	54.1	46.5	31.3	19.9
92.5°	108.5	86.9	108.5	130.0	135.5	192.0	267.3	305.0	267.8	193.4	137.6
95°	378.1	312.8	378.1	443.3	459.7	603.7	795.6	891.6	753.1	475.8	268.0
97.5°	906.0	781.9	906.0	1030.2	1061.2	1152.3	1273.6	1334.2	1103.2	640.9	294.3
100°	1305.4	1157.5	1305.4	1453.3	1490.2	1483.6	1474.7	1470.3	1213.9	701.0	316.4
102.5°	1698.2	1571.6	1698.2	1824.9	1856.6	1740.7	1586.1	1508.8	1248.7	728.6	338.5
105°	2199.1	2131.0	2199.1	2267.2	2284.2	2024.3	1677.8	1504.6	1252.7	749.0	371.3
107.5°	2527.1	2543.7	2527.1	2510.7	2506.6	2144.1	1660.8	1419.0	1196.9	752.9	419.8
110°	2652.3	2723.3	2652.3	2581.4	2563.7	2158.3	1617.9	1347.7	1147.5	747.1	446.8





TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2663.4	2772.4	2663.4	2554.5	2527.2	2112.4	1559.3	1282.8	1104.4	747.4	479.7
115°	2592.9	2743.9	2592.9	2441.8	2404.0	2004.4	1471.6	1205.2	1054.9	754.3	528.9
117.5°	2443.1	2610.7	2443.1	2275.5	2233.7	1873.0	1392.1	1151.7	1023.9	768.3	576.6
120°	2322.4	2485.2	2322.4	2159.6	2118.9	1789.3	1350.0	1130.3	1013.4	779.7	604.4
122.5°	2204.9	2365.5	2204.9	2044.3	2004.2	1707.5	1311.8	1114.0	1008.0	796.1	637.2
125°	2037.3	2185.2	2037.3	1889.4	1852.4	1600.3	1264.2	1096.2	1003.5	818.2	679.2
127.5°	1886.5	2011.3	1886.5	1761.7	1730.5	1514.1	1225.5	1081.2	1000.9	840.3	719.8
130°	1797.7	1912.9	1797.7	1682.3	1653.5	1460.8	1203.9	1075.4	1002.4	856.4	746.9
132.5°	1717.0	1820.2	1717.0	1613.7	1587.9	1415.5	1185.5	1070.5	1003.5	869.5	769.0
135°	1606.5	1695.5	1606.5	1517.5	1495.3	1350.8	1158.2	1062.0	1002.6	883.7	794.6
137.5°	1517.9	1590.7	1517.9	1445.0	1426.8	1304.7	1141.9	1060.5	1008.7	905.1	827.5
140°	1457.1	1525.2	1457.1	1389.0	1372.0	1266.5	1125.8	1055.5	1009.7	918.2	849.5
142.5°	1406.7	1465.4	1406.7	1348.2	1333.5	1240.8	1117.3	1055.5	1013.4	929.2	865.9
145°	1331.2	1375.5	1331.2	1286.9	1275.8	1200.0	1098.9	1048.4	1013.4	943.4	890.9
147.5°	1273.3	1310.0	1273.3	1236.5	1227.3	1167.7	1088.1	1048.4	1020.4	964.3	922.3
150°	1236.8	1266.5	1236.8	1207.0	1199.5	1149.1	1082.0	1048.4	1024.0	975.2	938.6
152.5°	1205.5	1228.0	1205.5	1183.0	1177.4	1134.4	1077.0	1048.4	1026.4	982.4	949.4
155°	1169.7	1184.6	1169.7	1154.8	1151.1	1116.8	1071.2	1048.4	1031.6	998.0	972.8
157.5°	1141.2	1151.7	1141.2	1130.8	1128.2	1101.6	1066.1	1048.4	1036.8	1013.7	996.3
160°	1124.4	1130.3	1124.4	1118.3	1116.8	1094.0	1063.6	1048.4	1039.2	1020.8	1007.1
162.5°	1113.3	1118.9	1113.3	1107.6	1106.1	1086.8	1061.2	1048.4	1041.8	1028.5	1018.5
165°	1097.3	1103.3	1097.3	1091.2	1089.8	1076.0	1057.6	1048.4	1045.3	1039.4	1034.9
167.5°	1085.7	1088.3	1085.7	1083.2	1082.6	1073.6	1061.6	1055.5	1053.0	1047.9	1044.2
170°	1082.6	1082.6	1082.6	1082.6	1082.6	1073.6	1061.6	1055.5	1055.3	1055.1	1054.8
172.5°	1074.2	1072.0	1074.2	1076.4	1076.9	1069.8	1060.3	1055.5	1055.5	1055.5	1055.5
175°	1069.1	1069.1	1069.1	1069.1	1069.1	1064.6	1058.6	1055.5	1057.0	1059.8	1062.0
177.5°	1064.5	1062.0	1064.5	1067.0	1067.6	1064.1	1059.3	1056.9	1058.0	1060.3	1062.0
180°	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1475.7	1467.4	1467.4	1453.6	1448.1	1444.0	1437.1	1416.5	1411.0	1405.4	1413.7
5°	1488.0	1472.9	1461.9	1437.1	1416.5	1408.2	1382.0	1332.5	1299.5	1274.7	1260.9
7.5°	1490.8	1471.5	1450.9	1412.3	1362.8	1340.8	1260.9	1170.1	1145.3	1123.3	1109.5
10°	1488.0	1466.0	1437.1	1379.3	1262.3	1223.7	1143.9	1084.7	1069.6	1065.4	1069.6
12.5°	1478.4	1457.8	1417.8	1321.5	1157.7	1131.5	1084.7	1050.3	1047.5	1054.4	1091.6
15°	1461.9	1442.6	1395.8	1244.4	1099.9	1080.6	1047.5	1035.2	1050.3	1098.5	1210.0
17.5°	1445.4	1423.3	1365.5	1168.7	1055.8	1042.0	1018.6	1043.4	1128.8	1193.5	1230.6
20°	1423.3	1397.2	1331.1	1113.6	1024.1	1011.8	1000.7	1112.2	1176.9	1200.3	1221.0
22.5°	1397.2	1369.7	1284.3	1075.1	991.1	981.5	988.4	1150.8	1176.9	1193.5	1211.4
25°	1362.8	1339.4	1229.3	1044.8	965.0	953.9	980.1	1146.7	1161.8	1165.9	1201.7
27.5°	1331.1	1300.8	1171.4	1017.3	933.3	929.2	987.0	1128.8	1139.8	1143.9	1182.5
30°	1292.6	1247.1	1106.7	988.4	900.3	898.9	988.4	1106.7	1104.0	1115.0	1153.5
32.5°	1252.7	1167.3	1033.8	952.6	868.6	867.2	978.7	1073.7	1071.0	1086.1	1115.0
35°	1215.5	1105.4	934.7	911.3	828.7	830.1	955.3	1035.2	1036.5	1050.3	1068.2
37.5°	1176.9	1051.7	825.9	865.8	790.1	790.1	923.7	999.4	996.6	1000.7	1025.5
40°	1131.5	967.7	729.6	806.7	754.3	750.2	885.1	960.8	951.2	949.8	984.2
42.5°	1083.3	875.5	658.0	728.2	713.0	707.5	838.3	914.0	896.1	900.3	944.3
45°	1031.0	850.7	602.9	615.3	670.4	666.2	787.4	860.3	848.0	859.0	904.4
47.5°	978.7	801.1	585.0	510.7	625.0	623.6	730.9	808.0	801.1	812.2	860.3
50°	907.1	746.1	583.7	437.7	574.0	579.5	663.5	757.1	757.1	766.7	817.7
52.5°	814.9	678.6	530.0	396.4	514.8	531.3	604.3	713.0	715.8	725.4	770.9
55°	730.9	608.4	491.4	364.8	444.6	480.4	546.5	667.6	673.1	682.8	724.1
57.5°	653.9	506.6	483.2	327.6	379.9	414.3	495.6	623.6	626.3	634.6	674.5
60°	571.3	366.2	443.2	287.7	323.5	349.6	448.8	571.3	580.9	586.4	620.8
62.5°	477.7	265.7	402.0	260.2	296.0	301.5	410.2	521.7	534.1	538.2	558.9
65°	340.0	223.0	341.4	236.8	267.0	268.4	368.9	470.8	481.8	488.7	503.8
67.5°	229.9	181.7	260.2	214.7	245.0	246.4	329.0	411.6	426.7	432.2	441.9
70°	159.7	121.1	192.7	191.3	220.2	223.0	286.3	357.9	371.7	375.8	381.3
72.5°	117.0	97.7	159.7	172.1	194.1	196.8	242.3	297.3	311.1	315.2	318.0
75°	89.5	103.2	129.4	150.0	165.2	166.6	198.2	242.3	251.9	254.7	256.0
77.5°	71.6	96.4	95.0	121.1	134.9	132.1	155.5	187.2	195.5	195.5	195.5
80°	53.7	75.7	71.6	86.7	99.1	96.4	111.5	133.5	136.3	139.0	137.7
82.5°	39.9	48.2	48.2	55.1	66.1	63.3	74.3	86.7	86.7	86.7	89.5
85°	24.8	27.5	22.0	28.9	37.2	35.8	41.3	46.8	48.2	48.2	45.4
87.5°	15.1	12.4	6.9	11.0	16.5	16.5	19.3	20.6	19.3	19.3	19.3
90°	18.5	12.8	7.2	12.8	18.5	19.9	31.3	46.5	54.1	48.1	36.1
92.5°	125.4	77.0	28.5	77.0	125.4	137.6	193.4	267.8	305.0	267.3	192.0
95°	245.8	157.1	68.5	157.1	245.8	268.0	475.8	753.1	891.6	795.6	603.7
97.5°	274.8	196.5	118.3	196.5	274.8	294.3	640.9	1103.2	1334.2	1273.6	1152.3
100°	298.7	227.8	156.8	227.8	298.7	316.4	701.0	1213.9	1470.3	1474.7	1483.6
102.5°	322.0	255.8	189.6	255.8	322.0	338.5	728.6	1248.7	1508.8	1586.1	1740.7
105°	357.3	301.3	245.2	301.3	357.3	371.3	749.0	1252.7	1504.6	1677.8	2024.3
107.5°	406.7	354.4	302.2	354.4	406.7	419.8	752.9	1196.9	1419.0	1660.8	2144.1
110°	435.0	387.8	340.6	387.8	435.0	446.8	747.1	1147.5	1347.7	1617.9	2158.3



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	468.4	423.4	378.5	423.4	468.4	479.7	747.4	1104.4	1282.8	1559.3	2112.4
115°	518.5	476.9	435.4	476.9	518.5	528.9	754.3	1054.9	1205.2	1471.6	2004.4
117.5°	567.1	529.5	491.8	529.5	567.1	576.6	768.3	1023.9	1151.7	1392.1	1873.0
120°	595.5	560.1	524.6	560.1	595.5	604.4	779.7	1013.4	1130.3	1350.0	1789.3
122.5°	628.3	592.5	556.7	592.5	628.3	637.2	796.1	1008.0	1114.0	1311.8	1707.5
125°	671.0	638.4	605.8	638.4	671.0	679.2	818.2	1003.5	1096.2	1264.2	1600.3
127.5°	711.6	678.6	645.7	678.6	711.6	719.8	840.3	1000.9	1081.2	1225.5	1514.1
130°	738.0	702.6	667.1	702.6	738.0	746.9	856.4	1002.4	1075.4	1203.9	1460.8
132.5°	760.1	724.7	689.2	724.7	760.1	769.0	869.5	1003.5	1070.5	1185.5	1415.5
135°	786.6	754.3	722.0	754.3	786.6	794.6	883.7	1002.6	1062.0	1158.2	1350.8
137.5°	819.5	787.5	755.4	787.5	819.5	827.5	905.1	1008.7	1060.5	1141.9	1304.7
140°	842.2	812.7	783.3	812.7	842.2	849.5	918.2	1009.7	1055.5	1125.8	1266.5
142.5°	859.1	831.9	804.6	831.9	859.1	865.9	929.2	1013.4	1055.5	1117.3	1240.8
145°	884.9	861.2	837.4	861.2	884.9	890.9	943.4	1013.4	1048.4	1098.9	1200.0
147.5°	916.5	893.4	870.3	893.4	916.5	922.3	964.3	1020.4	1048.4	1088.1	1167.7
150°	933.4	912.6	891.6	912.6	933.4	938.6	975.2	1024.0	1048.4	1082.0	1149.1
152.5°	945.4	929.5	913.7	929.5	945.4	949.4	982.4	1026.4	1048.4	1077.0	1134.4
155°	969.9	958.3	946.5	958.3	969.9	972.8	998.0	1031.6	1048.4	1071.2	1116.8
157.5°	993.5	982.1	970.7	982.1	993.5	996.3	1013.7	1036.8	1048.4	1066.1	1101.6
160°	1004.9	996.0	987.1	996.0	1004.9	1007.1	1020.8	1039.2	1048.4	1063.6	1094.0
162.5°	1016.8	1010.1	1003.5	1010.1	1016.8	1018.5	1028.5	1041.8	1048.4	1061.2	1086.8
165°	1033.4	1027.4	1021.3	1027.4	1033.4	1034.9	1039.4	1045.3	1048.4	1057.6	1076.0
167.5°	1043.4	1040.6	1037.7	1040.6	1043.4	1044.2	1047.9	1053.0	1055.5	1061.6	1073.6
170°	1054.1	1051.2	1048.4	1051.2	1054.1	1054.8	1055.1	1055.3	1055.5	1061.6	1073.6
172.5°	1055.3	1054.7	1054.1	1054.7	1055.3	1055.5	1055.5	1055.5	1055.5	1060.3	1069.8
175°	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1059.8	1057.0	1055.5	1058.6	1064.6
177.5°	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1060.3	1058.0	1056.9	1059.3	1064.1
180°	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1404.1	1399.9	1405.4	1390.3	1405.4	1399.9	1404.1	1413.7	1405.4	1411.0	1416.5
5°	1232.0	1225.1	1203.1	1185.2	1203.1	1225.1	1232.0	1260.9	1274.7	1299.5	1332.5
7.5°	1101.2	1095.7	1090.2	1079.2	1090.2	1095.7	1101.2	1109.5	1123.3	1145.3	1170.1
10°	1072.3	1073.7	1082.0	1080.6	1082.0	1073.7	1072.3	1069.6	1065.4	1069.6	1084.7
12.5°	1146.7	1159.0	1204.5	1201.7	1204.5	1159.0	1146.7	1091.6	1054.4	1047.5	1050.3
15°	1232.0	1236.1	1245.8	1247.1	1245.8	1236.1	1232.0	1210.0	1098.5	1050.3	1035.2
17.5°	1240.3	1241.6	1248.5	1248.5	1248.5	1241.6	1240.3	1230.6	1193.5	1128.8	1043.4
20°	1233.4	1236.1	1249.9	1252.7	1249.9	1236.1	1233.4	1221.0	1200.3	1176.9	1112.2
22.5°	1230.6	1236.1	1247.1	1245.8	1247.1	1236.1	1230.6	1211.4	1193.5	1176.9	1150.8
25°	1216.9	1216.9	1218.2	1219.6	1218.2	1216.9	1216.9	1201.7	1165.9	1161.8	1146.7
27.5°	1188.0	1190.7	1199.0	1197.6	1199.0	1190.7	1188.0	1182.5	1143.9	1139.8	1128.8
30°	1161.8	1159.0	1152.2	1146.7	1152.2	1159.0	1161.8	1153.5	1115.0	1104.0	1106.7
32.5°	1117.8	1110.9	1104.0	1099.9	1104.0	1110.9	1117.8	1115.0	1086.1	1071.0	1073.7
35°	1065.4	1066.8	1065.4	1061.3	1065.4	1066.8	1065.4	1068.2	1050.3	1036.5	1035.2
37.5°	1028.3	1031.0	1029.7	1024.1	1029.7	1031.0	1028.3	1025.5	1000.7	996.6	999.4
40°	989.7	991.1	989.7	985.6	989.7	991.1	989.7	984.2	949.8	951.2	960.8
42.5°	952.6	951.2	947.1	944.3	947.1	951.2	952.6	944.3	900.3	896.1	914.0
45°	909.9	911.3	903.0	898.9	903.0	911.3	909.9	904.4	859.0	848.0	860.3
47.5°	867.2	867.2	860.3	856.2	860.3	867.2	867.2	860.3	812.2	801.1	808.0
50°	821.8	820.4	810.8	809.4	810.8	820.4	821.8	817.7	766.7	757.1	757.1
52.5°	769.5	769.5	770.9	773.6	770.9	769.5	769.5	770.9	725.4	715.8	713.0
55°	724.1	725.4	735.1	737.8	735.1	725.4	724.1	724.1	682.8	673.1	667.6
57.5°	677.3	677.3	684.1	684.1	684.1	677.3	677.3	674.5	634.6	626.3	623.6
60°	623.6	626.3	631.8	630.5	631.8	626.3	623.6	620.8	586.4	580.9	571.3
62.5°	567.1	569.9	571.3	568.5	571.3	569.9	567.1	558.9	538.2	534.1	521.7
65°	507.9	510.7	512.1	509.3	512.1	510.7	507.9	503.8	488.7	481.8	470.8
67.5°	447.4	446.0	444.6	450.1	444.6	446.0	447.4	441.9	432.2	426.7	411.6
70°	385.4	385.4	384.1	386.8	384.1	385.4	385.4	381.3	375.8	371.7	357.9
72.5°	319.4	318.0	323.5	319.4	323.5	318.0	319.4	318.0	315.2	311.1	297.3
75°	254.7	257.4	254.7	258.8	254.7	257.4	254.7	256.0	254.7	251.9	242.3
77.5°	194.1	196.8	194.1	194.1	194.1	196.8	194.1	195.5	195.5	195.5	187.2
80°	137.7	136.3	136.3	134.9	136.3	136.3	137.7	137.7	139.0	136.3	133.5
82.5°	88.1	86.7	86.7	89.5	86.7	86.7	88.1	89.5	86.7	86.7	86.7
85°	48.2	49.6	46.8	46.8	46.8	49.6	48.2	45.4	48.2	48.2	46.8
87.5°	17.9	16.5	16.5	16.5	16.5	16.5	17.9	19.3	19.3	19.3	20.6
90°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	36.1	48.1	54.1	46.5
92.5°	135.5	130.0	108.5	86.9	108.5	130.0	135.5	192.0	267.3	305.0	267.8
95°	459.7	443.3	378.1	312.8	378.1	443.3	459.7	603.7	795.6	891.6	753.1
97.5°	1061.2	1030.2	906.0	781.9	906.0	1030.2	1061.2	1152.3	1273.6	1334.2	1103.2
100°	1490.2	1453.3	1305.4	1157.5	1305.4	1453.3	1490.2	1483.6	1474.7	1470.3	1213.9
102.5°	1856.6	1824.9	1698.2	1571.6	1698.2	1824.9	1856.6	1740.7	1586.1	1508.8	1248.7
105°	2284.2	2267.2	2199.1	2131.0	2199.1	2267.2	2284.2	2024.3	1677.8	1504.6	1252.7
107.5°	2506.6	2510.7	2527.1	2543.7	2527.1	2510.7	2506.6	2144.1	1660.8	1419.0	1196.9
110°	2563.7	2581.4	2652.3	2723.3	2652.3	2581.4	2563.7	2158.3	1617.9	1347.7	1147.5



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2527.2	2554.5	2663.4	2772.4	2663.4	2554.5	2527.2	2112.4	1559.3	1282.8	1104.4
115°	2404.0	2441.8	2592.9	2743.9	2592.9	2441.8	2404.0	2004.4	1471.6	1205.2	1054.9
117.5°	2233.7	2275.5	2443.1	2610.7	2443.1	2275.5	2233.7	1873.0	1392.1	1151.7	1023.9
120°	2118.9	2159.6	2322.4	2485.2	2322.4	2159.6	2118.9	1789.3	1350.0	1130.3	1013.4
122.5°	2004.2	2044.3	2204.9	2365.5	2204.9	2044.3	2004.2	1707.5	1311.8	1114.0	1008.0
125°	1852.4	1889.4	2037.3	2185.2	2037.3	1889.4	1852.4	1600.3	1264.2	1096.2	1003.5
127.5°	1730.5	1761.7	1886.5	2011.3	1886.5	1761.7	1730.5	1514.1	1225.5	1081.2	1000.9
130°	1653.5	1682.3	1797.7	1912.9	1797.7	1682.3	1653.5	1460.8	1203.9	1075.4	1002.4
132.5°	1587.9	1613.7	1717.0	1820.2	1717.0	1613.7	1587.9	1415.5	1185.5	1070.5	1003.5
135°	1495.3	1517.5	1606.5	1695.5	1606.5	1517.5	1495.3	1350.8	1158.2	1062.0	1002.6
137.5°	1426.8	1445.0	1517.9	1590.7	1517.9	1445.0	1426.8	1304.7	1141.9	1060.5	1008.7
140°	1372.0	1389.0	1457.1	1525.2	1457.1	1389.0	1372.0	1266.5	1125.8	1055.5	1009.7
142.5°	1333.5	1348.2	1406.7	1465.4	1406.7	1348.2	1333.5	1240.8	1117.3	1055.5	1013.4
145°	1275.8	1286.9	1331.2	1375.5	1331.2	1286.9	1275.8	1200.0	1098.9	1048.4	1013.4
147.5°	1227.3	1236.5	1273.3	1310.0	1273.3	1236.5	1227.3	1167.7	1088.1	1048.4	1020.4
150°	1199.5	1207.0	1236.8	1266.5	1236.8	1207.0	1199.5	1149.1	1082.0	1048.4	1024.0
152.5°	1177.4	1183.0	1205.5	1228.0	1205.5	1183.0	1177.4	1134.4	1077.0	1048.4	1026.4
155°	1151.1	1154.8	1169.7	1184.6	1169.7	1154.8	1151.1	1116.8	1071.2	1048.4	1031.6
157.5°	1128.2	1130.8	1141.2	1151.7	1141.2	1130.8	1128.2	1101.6	1066.1	1048.4	1036.8
160°	1116.8	1118.3	1124.4	1130.3	1124.4	1118.3	1116.8	1094.0	1063.6	1048.4	1039.2
162.5°	1106.1	1107.6	1113.3	1118.9	1113.3	1107.6	1106.1	1086.8	1061.2	1048.4	1041.8
165°	1089.8	1091.2	1097.3	1103.3	1097.3	1091.2	1089.8	1076.0	1057.6	1048.4	1045.3
167.5°	1082.6	1083.2	1085.7	1088.3	1085.7	1083.2	1082.6	1073.6	1061.6	1055.5	1053.0
170°	1082.6	1082.6	1082.6	1082.6	1082.6	1082.6	1082.6	1073.6	1061.6	1055.5	1055.3
172.5°	1076.9	1076.4	1074.2	1072.0	1074.2	1076.4	1076.9	1069.8	1060.3	1055.5	1055.5
175°	1069.1	1069.1	1069.1	1069.1	1069.1	1069.1	1069.1	1064.6	1058.6	1055.5	1057.0
177.5°	1067.6	1067.0	1064.5	1062.0	1064.5	1067.0	1067.6	1064.1	1059.3	1056.9	1058.0
180°	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0	1062.0



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1437.1	1444.0	1448.1	1453.6	1467.4
5°	1382.0	1408.2	1416.5	1437.1	1461.9
7.5°	1260.9	1340.8	1362.8	1412.3	1450.9
10°	1143.9	1223.7	1262.3	1379.3	1437.1
12.5°	1084.7	1131.5	1157.7	1321.5	1417.8
15°	1047.5	1080.6	1099.9	1244.4	1395.8
17.5°	1018.6	1042.0	1055.8	1168.7	1365.5
20°	1000.7	1011.8	1024.1	1113.6	1331.1
22.5°	988.4	981.5	991.1	1075.1	1284.3
25°	980.1	953.9	965.0	1044.8	1229.3
27.5°	987.0	929.2	933.3	1017.3	1171.4
30°	988.4	898.9	900.3	988.4	1106.7
32.5°	978.7	867.2	868.6	952.6	1033.8
35°	955.3	830.1	828.7	911.3	934.7
37.5°	923.7	790.1	790.1	865.8	825.9
40°	885.1	750.2	754.3	806.7	729.6
42.5°	838.3	707.5	713.0	728.2	658.0
45°	787.4	666.2	670.4	615.3	602.9
47.5°	730.9	623.6	625.0	510.7	585.0
50°	663.5	579.5	574.0	437.7	583.7
52.5°	604.3	531.3	514.8	396.4	530.0
55°	546.5	480.4	444.6	364.8	491.4
57.5°	495.6	414.3	379.9	327.6	483.2
60°	448.8	349.6	323.5	287.7	443.2
62.5°	410.2	301.5	296.0	260.2	402.0
65°	368.9	268.4	267.0	236.8	341.4
67.5°	329.0	246.4	245.0	214.7	260.2
70°	286.3	223.0	220.2	191.3	192.7
72.5°	242.3	196.8	194.1	172.1	159.7
75°	198.2	166.6	165.2	150.0	129.4
77.5°	155.5	132.1	134.9	121.1	95.0
80°	111.5	96.4	99.1	86.7	71.6
82.5°	74.3	63.3	66.1	55.1	48.2
85°	41.3	35.8	37.2	28.9	22.0
87.5°	19.3	16.5	16.5	11.0	6.9
90°	31.3	19.9	18.5	12.8	7.2
92.5°	193.4	137.6	125.4	77.0	28.5
95°	475.8	268.0	245.8	157.1	68.5
97.5°	640.9	294.3	274.8	196.5	118.3
100°	701.0	316.4	298.7	227.8	156.8
102.5°	728.6	338.5	322.0	255.8	189.6
105°	749.0	371.3	357.3	301.3	245.2
107.5°	752.9	419.8	406.7	354.4	302.2
110°	747.1	446.8	435.0	387.8	340.6



TEST NUMBER: P935564

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	747.4	479.7	468.4	423.4	378.5
115°	754.3	528.9	518.5	476.9	435.4
117.5°	768.3	576.6	567.1	529.5	491.8
120°	779.7	604.4	595.5	560.1	524.6
122.5°	796.1	637.2	628.3	592.5	556.7
125°	818.2	679.2	671.0	638.4	605.8
127.5°	840.3	719.8	711.6	678.6	645.7
130°	856.4	746.9	738.0	702.6	667.1
132.5°	869.5	769.0	760.1	724.7	689.2
135°	883.7	794.6	786.6	754.3	722.0
137.5°	905.1	827.5	819.5	787.5	755.4
140°	918.2	849.5	842.2	812.7	783.3
142.5°	929.2	865.9	859.1	831.9	804.6
145°	943.4	890.9	884.9	861.2	837.4
147.5°	964.3	922.3	916.5	893.4	870.3
150°	975.2	938.6	933.4	912.6	891.6
152.5°	982.4	949.4	945.4	929.5	913.7
155°	998.0	972.8	969.9	958.3	946.5
157.5°	1013.7	996.3	993.5	982.1	970.7
160°	1020.8	1007.1	1004.9	996.0	987.1
162.5°	1028.5	1018.5	1016.8	1010.1	1003.5
165°	1039.4	1034.9	1033.4	1027.4	1021.3
167.5°	1047.9	1044.2	1043.4	1040.6	1037.7
170°	1055.1	1054.8	1054.1	1051.2	1048.4
172.5°	1055.5	1055.5	1055.3	1054.7	1054.1
175°	1059.8	1062.0	1062.0	1062.0	1062.0
177.5°	1060.3	1062.0	1062.0	1062.0	1062.0
180°	1062.0	1062.0	1062.0	1062.0	1062.0



TEST NUMBER: P935564  
 CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-5000K

**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	10.92	11.66	11.99	12.73	14.20	13.74	14.48	14.81	15.56	17.02
	3H	11.38	12.05	12.47	13.13	14.61	15.07	15.74	16.16	16.82	18.31
	4H	11.57	12.20	12.66	13.28	14.77	15.51	16.14	16.60	17.23	18.72
	6H	11.68	12.26	12.78	13.35	14.85	15.79	16.37	16.89	17.46	18.96
	8H	11.68	12.23	12.79	13.34	14.83	15.86	16.41	16.97	17.52	19.01
	12H	11.65	12.17	12.76	13.27	14.79	15.89	16.42	17.00	17.52	19.03
4H	2H	11.93	12.56	13.03	13.65	15.14	14.13	14.77	15.23	15.85	17.34
	3H	12.95	13.47	14.05	14.59	16.09	15.63	16.15	16.73	17.26	18.77
	4H	13.22	13.70	14.33	14.80	16.33	16.15	16.63	17.26	17.73	19.26
	6H	13.34	13.75	14.46	14.88	16.39	16.51	16.92	17.62	18.04	19.56
	8H	13.34	13.73	14.46	14.84	16.37	16.61	17.00	17.73	18.11	19.64
	12H	13.30	13.65	14.44	14.78	16.32	16.66	17.01	17.80	18.14	19.67
8H	4H	13.66	14.05	14.78	15.16	16.70	16.26	16.65	17.38	17.77	19.30
	6H	13.92	14.24	15.06	15.40	16.92	16.69	17.01	17.83	18.17	19.70
	8H	13.96	14.24	15.11	15.38	16.93	16.84	17.12	17.99	18.26	19.81
	12H	13.94	14.18	15.09	15.32	16.90	16.94	17.18	18.09	18.32	19.90
12H	4H	13.66	14.01	14.80	15.14	16.68	16.22	16.57	17.36	17.70	19.24
	6H	13.98	14.26	15.12	15.40	16.94	16.69	16.97	17.84	18.11	19.66
	8H	14.04	14.28	15.19	15.42	17.00	16.85	17.09	18.00	18.23	19.81