

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: P935243

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

**Test Information**

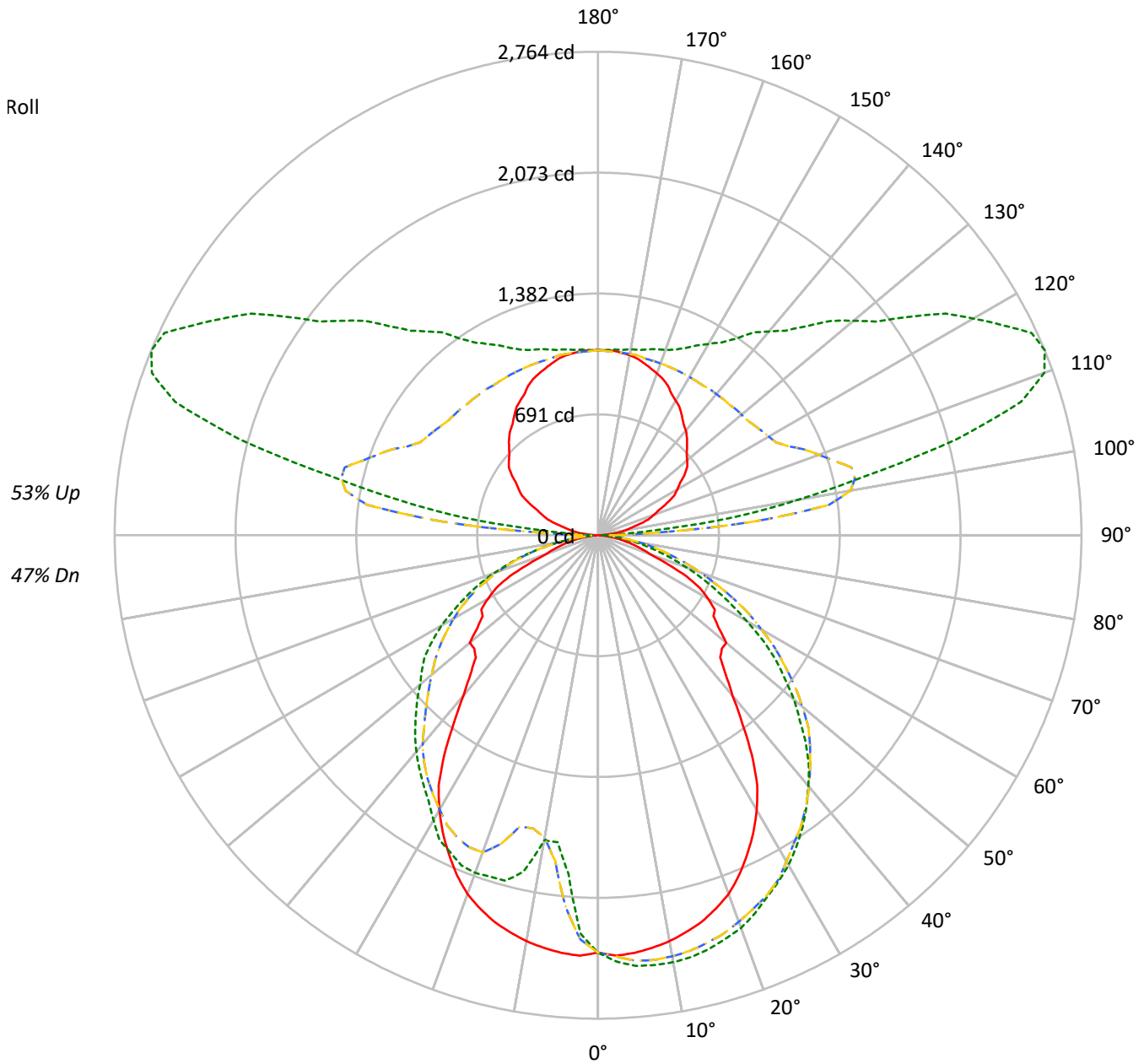
Test Method: LM-79-2019  
Report Number: P935243  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13052.8 lumens  
Efficiency: N/A  
Efficacy: 112.5 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: General Diffuse  
  
Input Watts (W): 116  
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: P935243  
CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

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

	0°	90°	180°	270°
0°	11069	11069	11069	11069
5°	11151	11173	11151	8786
10°	11077	11006	11077	7868
15°	10956	10768	10956	8991
20°	10728	10485	10728	9010
25°	10258	10073	10258	8819
30°	9652	9731	9652	8400
35°	8605	9299	8605	7939
40°	7170	8789	7170	7591
45°	6407	8193	6407	7191
50°	6806	7482	6806	6789
55°	6404	6716	6404	6557
60°	6601	5704	6601	6006
65°	5984	4715	5984	5270
70°	4143	3758	4143	4418
75°	3634	2778	3634	3326
80°	2929	1836	2929	2000
85°	1681	973	1681	826

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9819 cd/sqm



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.3	1.6
10°-20°	611.4	4.7
20°-30°	945.2	7.2
30°-40°	1128.3	8.6
40°-50°	1134.9	8.7
50°-60°	987.5	7.6
60°-70°	700.2	5.4
70°-80°	370.4	2.8
80°-90°	96.3	0.7
90°-100°	516.1	4.0
100°-110°	1356.8	10.4
110°-120°	1406.8	10.8
120°-130°	1128.4	8.6
130°-140°	885.4	6.8
140°-150°	679.6	5.2
150°-160°	489.4	3.7
160°-170°	299.5	2.3
170°-180°	101.2	0.8
0°-30°	1771.9	13.6
0°-40°	2900.3	22.2
0°-60°	5022.7	38.5
0°-90°	6189.6	47.4
90°-120°	3279.7	25.1
90°-150°	5973.1	45.8
90°-180°	6863.0	52.6
0°-180°	13052.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2386	2386	2386	2386	2386	
5°	2397	2471	2397	1943	2397	227
15°	2289	2449	2289	2045	2289	644
25°	2016	2284	2016	2000	2016	925
35°	1532	2038	1532	1740	1532	948
45°	989	1679	989	1474	989	792
55°	806	1239	806	1210	806	740
65°	560	747	560	835	560	535
75°	212	354	212	424	212	223
85°	36	90	36	77	36	49
90°	7	27	7	27	7	7
95°	68	312	68	312	68	76
105°	244	2124	244	2124	244	259
115°	434	2736	434	2736	434	429
125°	604	2178	604	2178	604	536
135°	720	1690	720	1690	720	557
145°	835	1371	835	1371	835	523
155°	944	1181	944	1181	944	434
165°	1018	1100	1018	1100	1018	287
175°	1059	1066	1059	1066	1059	100
180°	1059	1059	1059	1059	1059	



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2406.0	2406.0	2419.5	2424.0	2424.0	2417.3	2410.5	2417.3	2437.6	2444.3	2442.1
5°	2396.9	2415.0	2439.8	2444.3	2448.9	2446.6	2442.1	2446.6	2469.2	2473.7	2475.9
7.5°	2378.9	2412.7	2444.3	2451.1	2457.9	2451.1	2448.9	2453.4	2475.9	2480.5	2480.5
10°	2356.3	2403.7	2439.8	2444.3	2451.1	2444.3	2444.3	2453.4	2475.9	2480.5	2482.7
12.5°	2324.7	2390.2	2424.0	2428.5	2437.6	2435.3	2433.1	2442.1	2464.7	2469.2	2469.2
15°	2288.6	2365.3	2396.9	2401.5	2417.3	2412.7	2412.7	2421.8	2446.6	2453.4	2451.1
17.5°	2238.9	2333.7	2369.9	2376.6	2387.9	2385.7	2387.9	2396.9	2419.5	2424.0	2426.3
20°	2182.6	2290.9	2333.7	2340.5	2351.8	2351.8	2351.8	2363.1	2385.7	2394.7	2394.7
22.5°	2105.8	2245.8	2290.9	2295.4	2308.9	2308.9	2313.4	2329.2	2349.5	2351.8	2351.8
25°	2015.5	2196.0	2234.4	2248.0	2261.6	2268.3	2275.1	2284.1	2290.9	2288.6	2290.9
27.5°	1920.7	2132.8	2182.6	2191.5	2209.6	2216.4	2225.4	2227.7	2230.0	2236.7	2232.2
30°	1814.6	2044.9	2119.3	2128.4	2157.7	2162.2	2153.2	2157.7	2169.0	2173.5	2178.0
32.5°	1695.0	1913.9	2053.9	2074.2	2101.2	2087.7	2085.4	2092.3	2110.3	2110.3	2114.8
35°	1532.5	1812.4	1992.9	2011.0	2031.3	2015.5	2024.5	2026.8	2038.1	2044.9	2042.6
37.5°	1354.2	1724.3	1929.7	1943.3	1959.1	1938.8	1952.3	1959.1	1968.1	1963.6	1963.6
40°	1196.2	1586.7	1855.3	1864.3	1877.8	1862.0	1875.6	1880.1	1884.6	1880.1	1877.8
42.5°	1078.8	1435.4	1776.2	1787.5	1778.6	1789.8	1794.4	1803.3	1796.6	1787.5	1787.5
45°	988.6	1394.8	1690.5	1704.1	1690.5	1708.6	1715.3	1715.3	1695.0	1690.5	1688.3
47.5°	959.3	1313.6	1604.7	1604.7	1598.0	1620.5	1631.8	1616.0	1595.7	1588.9	1588.9
50°	957.0	1223.3	1487.4	1478.3	1509.9	1537.0	1525.7	1509.9	1494.1	1469.3	1469.3
52.5°	869.0	1112.7	1336.1	1370.0	1419.6	1435.4	1417.4	1401.6	1374.5	1363.3	1354.2
55°	805.8	997.6	1198.5	1266.2	1318.1	1338.4	1304.5	1288.8	1248.1	1241.4	1236.9
57.5°	792.2	830.6	1072.1	1157.9	1221.1	1218.8	1198.5	1169.1	1135.3	1128.5	1126.3
60°	726.8	600.4	936.6	1038.2	1103.7	1096.9	1078.8	1051.8	1020.2	1015.6	1011.1
62.5°	659.0	435.6	783.1	898.3	990.8	988.6	972.8	932.1	909.6	898.3	889.2
65°	559.7	365.7	557.5	747.1	880.3	884.7	850.9	821.6	796.7	783.1	780.9
67.5°	426.6	297.9	376.9	622.9	774.2	769.7	726.8	713.2	681.6	674.8	661.3
70°	315.9	198.6	261.8	505.6	670.3	659.0	625.2	609.4	580.0	564.2	555.2
72.5°	261.8	160.2	191.8	392.7	564.2	550.7	521.4	503.3	478.5	464.9	455.9
75°	212.2	169.3	146.7	291.2	458.2	449.2	422.0	404.0	383.7	365.7	367.9
77.5°	155.7	158.0	117.4	214.4	363.3	349.9	334.0	311.5	302.4	284.4	284.4
80°	117.4	124.1	88.1	146.7	261.8	261.8	248.3	232.5	216.7	207.6	207.6
82.5°	79.0	79.0	65.4	92.5	178.3	171.5	162.5	158.0	149.0	144.4	144.4
85°	36.1	45.1	40.7	56.5	97.0	101.6	101.6	97.0	94.8	90.3	92.5
87.5°	11.3	20.3	24.9	31.6	49.6	51.9	54.2	54.2	54.2	56.5	56.5
90°	7.1	12.8	18.4	19.9	31.3	46.4	54.0	48.0	36.0	27.0	27.0
92.5°	28.4	76.8	125.1	137.2	192.8	267.0	304.1	266.5	191.4	135.0	129.7
95°	68.2	156.6	245.0	267.2	474.4	750.7	888.9	793.2	601.8	458.3	442.1
97.5°	118.0	195.9	274.0	293.5	639.1	1099.8	1330.1	1269.7	1148.7	1058.0	1027.1
100°	156.3	227.0	297.8	315.5	698.9	1210.2	1465.9	1470.3	1479.1	1485.8	1448.9
102.5°	189.0	255.0	321.0	337.5	726.4	1244.9	1504.2	1581.2	1735.4	1851.0	1819.4
105°	244.5	300.3	356.2	370.2	746.8	1248.9	1499.9	1672.6	2018.1	2277.3	2260.3
107.5°	301.3	353.4	405.5	418.5	750.6	1193.3	1414.7	1655.6	2137.5	2498.9	2503.0
110°	339.6	386.7	433.7	445.5	744.9	1144.0	1343.6	1613.0	2151.7	2555.8	2573.5



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	377.3	422.1	467.0	478.2	745.1	1101.1	1279.0	1554.7	2106.0	2519.6	2546.8
115°	434.2	475.5	516.9	527.3	752.0	1051.7	1201.5	1467.1	1998.3	2396.7	2434.4
117.5°	490.3	527.9	565.4	574.8	766.0	1020.8	1148.2	1387.9	1867.3	2226.8	2268.6
120°	523.0	558.3	593.7	602.5	777.3	1010.4	1126.9	1345.9	1783.9	2112.4	2153.0
122.5°	554.9	590.6	626.3	635.2	793.7	1004.9	1110.5	1307.8	1702.2	1998.1	2038.1
125°	604.0	636.5	669.0	677.2	815.7	1000.4	1092.8	1260.4	1595.4	1846.7	1883.6
127.5°	643.8	676.6	709.4	717.6	837.7	997.9	1077.9	1221.7	1509.4	1725.2	1756.3
130°	665.0	700.4	735.7	744.6	853.8	999.4	1072.2	1200.2	1456.4	1648.5	1677.2
132.5°	687.1	722.4	757.8	766.7	866.9	1000.4	1067.2	1181.9	1411.1	1583.0	1608.8
135°	719.8	752.0	784.3	792.3	881.1	999.5	1058.7	1154.7	1346.7	1490.7	1512.9
137.5°	753.2	785.0	817.0	824.9	902.4	1005.7	1057.2	1138.4	1300.8	1422.5	1440.7
140°	780.8	810.2	839.6	847.0	915.4	1006.7	1052.3	1122.4	1262.7	1367.8	1384.8
142.5°	802.2	829.4	856.5	863.3	926.3	1010.3	1052.3	1113.9	1237.0	1329.5	1344.1
145°	834.9	858.6	882.3	888.2	940.6	1010.3	1045.2	1095.6	1196.3	1271.9	1282.9
147.5°	867.5	890.6	913.7	919.5	961.4	1017.3	1045.2	1084.8	1164.1	1223.5	1232.7
150°	888.9	909.7	930.6	935.8	972.3	1020.9	1045.2	1078.7	1145.6	1195.9	1203.3
152.5°	910.9	926.7	942.5	946.5	979.3	1023.2	1045.2	1073.8	1131.0	1173.8	1179.5
155°	943.6	955.3	967.0	969.9	995.0	1028.5	1045.2	1067.9	1113.4	1147.5	1151.2
157.5°	967.7	979.1	990.5	993.4	1010.6	1033.7	1045.2	1062.9	1098.2	1124.8	1127.4
160°	984.1	993.0	1001.8	1004.0	1017.8	1036.1	1045.2	1060.4	1090.7	1113.4	1115.0
162.5°	1000.4	1007.1	1013.8	1015.4	1025.3	1038.5	1045.2	1058.0	1083.5	1102.8	1104.2
165°	1018.2	1024.2	1030.2	1031.7	1036.2	1042.2	1045.2	1054.3	1072.7	1086.5	1088.0
167.5°	1034.5	1037.3	1040.2	1040.9	1044.7	1049.7	1052.3	1058.3	1070.3	1079.3	1079.9
170°	1045.2	1048.0	1050.9	1051.6	1051.9	1052.1	1052.3	1058.3	1070.3	1079.3	1079.3
172.5°	1050.9	1051.5	1052.1	1052.3	1052.3	1052.3	1052.3	1057.1	1066.5	1073.6	1073.1
175°	1058.7	1058.7	1058.7	1058.7	1056.6	1053.7	1052.3	1055.3	1061.3	1065.8	1065.8
177.5°	1058.7	1058.7	1058.7	1058.7	1057.1	1054.8	1053.7	1056.1	1060.8	1064.4	1063.8
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2446.6	2439.8	2446.6	2442.1	2444.3	2437.6	2417.3	2410.5	2417.3	2424.0	2424.0
5°	2475.9	2471.4	2475.9	2475.9	2473.7	2469.2	2446.6	2442.1	2446.6	2448.9	2444.3
7.5°	2485.0	2478.2	2485.0	2480.5	2480.5	2475.9	2453.4	2448.9	2451.1	2457.9	2451.1
10°	2485.0	2478.2	2485.0	2482.7	2480.5	2475.9	2453.4	2444.3	2444.3	2451.1	2444.3
12.5°	2473.7	2469.2	2473.7	2469.2	2469.2	2464.7	2442.1	2433.1	2435.3	2437.6	2428.5
15°	2455.6	2448.9	2455.6	2451.1	2453.4	2446.6	2421.8	2412.7	2412.7	2417.3	2401.5
17.5°	2428.5	2419.5	2428.5	2426.3	2424.0	2419.5	2396.9	2387.9	2385.7	2387.9	2376.6
20°	2396.9	2390.2	2396.9	2394.7	2394.7	2385.7	2363.1	2351.8	2351.8	2351.8	2340.5
22.5°	2347.3	2340.5	2347.3	2351.8	2351.8	2349.5	2329.2	2313.4	2308.9	2308.9	2295.4
25°	2290.9	2284.1	2290.9	2290.9	2288.6	2290.9	2284.1	2275.1	2268.3	2261.6	2248.0
27.5°	2236.7	2232.2	2236.7	2232.2	2236.7	2230.0	2227.7	2225.4	2216.4	2209.6	2191.5
30°	2182.6	2178.0	2182.6	2178.0	2173.5	2169.0	2157.7	2153.2	2162.2	2157.7	2128.4
32.5°	2114.8	2110.3	2114.8	2114.8	2110.3	2110.3	2092.3	2085.4	2087.7	2101.2	2074.2
35°	2044.9	2038.1	2044.9	2042.6	2044.9	2038.1	2026.8	2024.5	2015.5	2031.3	2011.0
37.5°	1963.6	1956.8	1963.6	1963.6	1963.6	1968.1	1959.1	1952.3	1938.8	1959.1	1943.3
40°	1880.1	1871.1	1880.1	1877.8	1880.1	1884.6	1880.1	1875.6	1862.0	1877.8	1864.3
42.5°	1785.3	1783.1	1785.3	1787.5	1787.5	1796.6	1803.3	1794.4	1789.8	1778.6	1787.5
45°	1683.7	1679.2	1683.7	1688.3	1690.5	1695.0	1715.3	1715.3	1708.6	1690.5	1704.1
47.5°	1575.4	1564.1	1575.4	1588.9	1588.9	1595.7	1616.0	1631.8	1620.5	1598.0	1604.7
50°	1460.3	1462.5	1460.3	1469.3	1469.3	1494.1	1509.9	1525.7	1537.0	1509.9	1478.3
52.5°	1347.5	1345.2	1347.5	1354.2	1363.3	1374.5	1401.6	1417.4	1435.4	1419.6	1370.0
55°	1234.6	1239.1	1234.6	1236.9	1241.4	1248.1	1288.8	1304.5	1338.4	1318.1	1266.2
57.5°	1121.7	1115.0	1121.7	1126.3	1128.5	1135.3	1169.1	1198.5	1218.8	1221.1	1157.9
60°	990.8	981.8	990.8	1011.1	1015.6	1020.2	1051.8	1078.8	1096.9	1103.7	1038.2
62.5°	875.7	859.9	875.7	889.2	898.3	909.6	932.1	972.8	988.6	990.8	898.3
65°	753.9	747.1	753.9	780.9	783.1	796.7	821.6	850.9	884.7	880.3	747.1
67.5°	643.2	643.2	643.2	661.3	674.8	681.6	713.2	726.8	769.7	774.2	622.9
70°	541.7	539.5	541.7	555.2	564.2	580.0	609.4	625.2	659.0	670.3	505.6
72.5°	444.7	442.4	444.7	455.9	464.9	478.5	503.3	521.4	550.7	564.2	392.7
75°	358.9	354.4	358.9	367.9	365.7	383.7	404.0	422.0	449.2	458.2	291.2
77.5°	275.4	275.4	275.4	284.4	284.4	302.4	311.5	334.0	349.9	363.3	214.4
80°	205.4	203.1	205.4	207.6	207.6	216.7	232.5	248.3	261.8	261.8	146.7
82.5°	144.4	139.9	144.4	144.4	144.4	149.0	158.0	162.5	171.5	178.3	92.5
85°	90.3	90.3	90.3	92.5	90.3	94.8	97.0	101.6	101.6	97.0	56.5
87.5°	58.7	56.5	58.7	56.5	56.5	54.2	54.2	54.2	51.9	49.6	31.6
90°	27.0	27.0	27.0	27.0	27.0	36.0	48.0	54.0	46.4	31.3	19.9
92.5°	108.2	86.7	108.2	129.7	135.0	191.4	266.5	304.1	267.0	192.8	137.2
95°	377.0	311.9	377.0	442.1	458.3	601.8	793.2	888.9	750.7	474.4	267.2
97.5°	903.2	779.5	903.2	1027.1	1058.0	1148.7	1269.7	1330.1	1099.8	639.1	293.5
100°	1301.4	1153.9	1301.4	1448.9	1485.8	1479.1	1470.3	1465.9	1210.2	698.9	315.5
102.5°	1693.1	1566.7	1693.1	1819.4	1851.0	1735.4	1581.2	1504.2	1244.9	726.4	337.5
105°	2192.4	2124.5	2192.4	2260.3	2277.3	2018.1	1672.6	1499.9	1248.9	746.8	370.2
107.5°	2519.5	2535.9	2519.5	2503.0	2498.9	2137.5	1655.6	1414.7	1193.3	750.6	418.5
110°	2644.2	2714.9	2644.2	2573.5	2555.8	2151.7	1613.0	1343.6	1144.0	744.9	445.5





TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-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°	2655.3	2764.0	2655.3	2546.8	2519.6	2106.0	1554.7	1279.0	1101.1	745.1	478.2
115°	2584.9	2735.6	2584.9	2434.4	2396.7	1998.3	1467.1	1201.5	1051.7	752.0	527.3
117.5°	2435.6	2602.7	2435.6	2268.6	2226.8	1867.3	1387.9	1148.2	1020.8	766.0	574.8
120°	2315.4	2477.7	2315.4	2153.0	2112.4	1783.9	1345.9	1126.9	1010.4	777.3	602.5
122.5°	2198.2	2358.2	2198.2	2038.1	1998.1	1702.2	1307.8	1110.5	1004.9	793.7	635.2
125°	2031.0	2178.5	2031.0	1883.6	1846.7	1595.4	1260.4	1092.8	1000.4	815.7	677.2
127.5°	1880.7	2005.2	1880.7	1756.3	1725.2	1509.4	1221.7	1077.9	997.9	837.7	717.6
130°	1792.1	1907.1	1792.1	1677.2	1648.5	1456.4	1200.2	1072.2	999.4	853.8	744.6
132.5°	1711.8	1814.7	1711.8	1608.8	1583.0	1411.1	1181.9	1067.2	1000.4	866.9	766.7
135°	1601.7	1690.4	1601.7	1512.9	1490.7	1346.7	1154.7	1058.7	999.5	881.1	792.3
137.5°	1513.3	1585.9	1513.3	1440.7	1422.5	1300.8	1138.4	1057.2	1005.7	902.4	824.9
140°	1452.6	1520.5	1452.6	1384.8	1367.8	1262.7	1122.4	1052.3	1006.7	915.4	847.0
142.5°	1402.5	1460.9	1402.5	1344.1	1329.5	1237.0	1113.9	1052.3	1010.3	926.3	863.3
145°	1327.1	1371.3	1327.1	1282.9	1271.9	1196.3	1095.6	1045.2	1010.3	940.6	888.2
147.5°	1269.3	1306.0	1269.3	1232.7	1223.5	1164.1	1084.8	1045.2	1017.3	961.4	919.5
150°	1232.9	1262.7	1232.9	1203.3	1195.9	1145.6	1078.7	1045.2	1020.9	972.3	935.8
152.5°	1201.8	1224.2	1201.8	1179.5	1173.8	1131.0	1073.8	1045.2	1023.2	979.3	946.5
155°	1166.1	1180.9	1166.1	1151.2	1147.5	1113.4	1067.9	1045.2	1028.5	995.0	969.9
157.5°	1137.8	1148.2	1137.8	1127.4	1124.8	1098.2	1062.9	1045.2	1033.7	1010.6	993.4
160°	1121.0	1126.9	1121.0	1115.0	1113.4	1090.7	1060.4	1045.2	1036.1	1017.8	1004.0
162.5°	1109.9	1115.6	1109.9	1104.2	1102.8	1083.5	1058.0	1045.2	1038.5	1025.3	1015.4
165°	1094.0	1099.9	1094.0	1088.0	1086.5	1072.7	1054.3	1045.2	1042.2	1036.2	1031.7
167.5°	1082.4	1085.0	1082.4	1079.9	1079.3	1070.3	1058.3	1052.3	1049.7	1044.7	1040.9
170°	1079.3	1079.3	1079.3	1079.3	1079.3	1070.3	1058.3	1052.3	1052.1	1051.9	1051.6
172.5°	1070.9	1068.7	1070.9	1073.1	1073.6	1066.5	1057.1	1052.3	1052.3	1052.3	1052.3
175°	1065.8	1065.8	1065.8	1065.8	1065.8	1061.3	1055.3	1052.3	1053.7	1056.6	1058.7
177.5°	1061.3	1058.7	1061.3	1063.8	1064.4	1060.8	1056.1	1053.7	1054.8	1057.1	1058.7
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2419.5	2406.0	2406.0	2383.4	2374.4	2367.6	2356.3	2322.5	2313.4	2304.4	2317.9
5°	2439.8	2415.0	2396.9	2356.3	2322.5	2308.9	2266.0	2184.8	2130.6	2090.0	2067.4
7.5°	2444.3	2412.7	2378.9	2315.7	2234.4	2198.4	2067.4	1918.5	1877.8	1841.8	1819.1
10°	2439.8	2403.7	2356.3	2261.6	2069.6	2006.5	1875.6	1778.6	1753.7	1746.9	1753.7
12.5°	2424.0	2390.2	2324.7	2166.8	1898.1	1855.3	1778.6	1722.1	1717.6	1728.8	1789.8
15°	2396.9	2365.3	2288.6	2040.3	1803.3	1771.7	1717.6	1697.2	1722.1	1801.1	1983.9
17.5°	2369.9	2333.7	2238.9	1916.2	1731.1	1708.6	1670.2	1710.8	1850.7	1956.8	2017.8
20°	2333.7	2290.9	2182.6	1826.0	1679.2	1658.9	1640.9	1823.6	1929.7	1968.1	2002.0
22.5°	2290.9	2245.8	2105.8	1762.7	1625.1	1609.3	1620.5	1886.9	1929.7	1956.8	1986.2
25°	2234.4	2196.0	2015.5	1713.0	1582.2	1564.1	1607.0	1880.1	1904.9	1911.7	1970.4
27.5°	2182.6	2132.8	1920.7	1667.9	1530.3	1523.5	1618.3	1850.7	1868.8	1875.6	1938.8
30°	2119.3	2044.9	1814.6	1620.5	1476.1	1473.8	1620.5	1814.6	1810.2	1828.2	1891.4
32.5°	2053.9	1913.9	1695.0	1561.9	1424.2	1422.0	1604.7	1760.4	1755.9	1780.8	1828.2
35°	1992.9	1812.4	1532.5	1494.1	1358.7	1361.0	1566.4	1697.2	1699.5	1722.1	1751.5
37.5°	1929.7	1724.3	1354.2	1419.6	1295.5	1295.5	1514.5	1638.6	1634.1	1640.9	1681.4
40°	1855.3	1586.7	1196.2	1322.6	1236.9	1230.0	1451.2	1575.4	1559.6	1557.3	1613.8
42.5°	1776.2	1435.4	1078.8	1194.0	1169.1	1160.1	1374.5	1498.7	1469.3	1476.1	1548.3
45°	1690.5	1394.8	988.6	1008.9	1099.2	1092.4	1291.0	1410.6	1390.3	1408.4	1482.9
47.5°	1604.7	1313.6	959.3	837.4	1024.7	1022.4	1198.5	1324.8	1313.6	1331.7	1410.6
50°	1487.4	1223.3	957.0	717.7	941.2	950.2	1087.9	1241.4	1241.4	1257.2	1340.6
52.5°	1336.1	1112.7	869.0	650.0	844.1	871.2	990.8	1169.1	1173.7	1189.5	1263.9
55°	1198.5	997.6	805.8	598.1	729.0	787.7	896.1	1094.7	1103.7	1119.5	1187.2
57.5°	1072.1	830.6	792.2	537.2	622.9	679.4	812.5	1022.4	1026.9	1040.5	1105.9
60°	936.6	600.4	726.8	471.7	530.4	573.3	735.7	936.6	952.4	961.5	1017.9
62.5°	783.1	435.6	659.0	426.6	485.2	494.3	672.6	855.4	875.7	882.5	916.3
65°	557.5	365.7	559.7	388.2	437.8	440.1	604.9	771.9	790.0	801.3	826.0
67.5°	376.9	297.9	426.6	352.1	401.8	404.0	539.5	674.8	699.7	708.7	724.5
70°	261.8	198.6	315.9	313.7	361.1	365.7	469.4	586.8	609.4	616.2	625.2
72.5°	191.8	160.2	261.8	282.1	318.2	322.8	397.3	487.5	510.1	516.8	521.4
75°	146.7	169.3	212.2	246.0	270.8	273.1	325.0	397.3	413.1	417.6	419.8
77.5°	117.4	158.0	155.7	198.6	221.2	216.7	255.0	307.0	320.5	320.5	320.5
80°	88.1	124.1	117.4	142.2	162.5	158.0	182.8	218.9	223.4	228.0	225.7
82.5°	65.4	79.0	79.0	90.3	108.3	103.9	121.9	142.2	142.2	142.2	146.7
85°	40.7	45.1	36.1	47.4	60.9	58.7	67.7	76.7	79.0	79.0	74.5
87.5°	24.9	20.3	11.3	18.0	27.1	27.1	31.6	33.8	31.6	31.6	31.6
90°	18.4	12.8	7.1	12.8	18.4	19.9	31.3	46.4	54.0	48.0	36.0
92.5°	125.1	76.8	28.4	76.8	125.1	137.2	192.8	267.0	304.1	266.5	191.4
95°	245.0	156.6	68.2	156.6	245.0	267.2	474.4	750.7	888.9	793.2	601.8
97.5°	274.0	195.9	118.0	195.9	274.0	293.5	639.1	1099.8	1330.1	1269.7	1148.7
100°	297.8	227.0	156.3	227.0	297.8	315.5	698.9	1210.2	1465.9	1470.3	1479.1
102.5°	321.0	255.0	189.0	255.0	321.0	337.5	726.4	1244.9	1504.2	1581.2	1735.4
105°	356.2	300.3	244.5	300.3	356.2	370.2	746.8	1248.9	1499.9	1672.6	2018.1
107.5°	405.5	353.4	301.3	353.4	405.5	418.5	750.6	1193.3	1414.7	1655.6	2137.5
110°	433.7	386.7	339.6	386.7	433.7	445.5	744.9	1144.0	1343.6	1613.0	2151.7



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	467.0	422.1	377.3	422.1	467.0	478.2	745.1	1101.1	1279.0	1554.7	2106.0
115°	516.9	475.5	434.2	475.5	516.9	527.3	752.0	1051.7	1201.5	1467.1	1998.3
117.5°	565.4	527.9	490.3	527.9	565.4	574.8	766.0	1020.8	1148.2	1387.9	1867.3
120°	593.7	558.3	523.0	558.3	593.7	602.5	777.3	1010.4	1126.9	1345.9	1783.9
122.5°	626.3	590.6	554.9	590.6	626.3	635.2	793.7	1004.9	1110.5	1307.8	1702.2
125°	669.0	636.5	604.0	636.5	669.0	677.2	815.7	1000.4	1092.8	1260.4	1595.4
127.5°	709.4	676.6	643.8	676.6	709.4	717.6	837.7	997.9	1077.9	1221.7	1509.4
130°	735.7	700.4	665.0	700.4	735.7	744.6	853.8	999.4	1072.2	1200.2	1456.4
132.5°	757.8	722.4	687.1	722.4	757.8	766.7	866.9	1000.4	1067.2	1181.9	1411.1
135°	784.3	752.0	719.8	752.0	784.3	792.3	881.1	999.5	1058.7	1154.7	1346.7
137.5°	817.0	785.0	753.2	785.0	817.0	824.9	902.4	1005.7	1057.2	1138.4	1300.8
140°	839.6	810.2	780.8	810.2	839.6	847.0	915.4	1006.7	1052.3	1122.4	1262.7
142.5°	856.5	829.4	802.2	829.4	856.5	863.3	926.3	1010.3	1052.3	1113.9	1237.0
145°	882.3	858.6	834.9	858.6	882.3	888.2	940.6	1010.3	1045.2	1095.6	1196.3
147.5°	913.7	890.6	867.5	890.6	913.7	919.5	961.4	1017.3	1045.2	1084.8	1164.1
150°	930.6	909.7	888.9	909.7	930.6	935.8	972.3	1020.9	1045.2	1078.7	1145.6
152.5°	942.5	926.7	910.9	926.7	942.5	946.5	979.3	1023.2	1045.2	1073.8	1131.0
155°	967.0	955.3	943.6	955.3	967.0	969.9	995.0	1028.5	1045.2	1067.9	1113.4
157.5°	990.5	979.1	967.7	979.1	990.5	993.4	1010.6	1033.7	1045.2	1062.9	1098.2
160°	1001.8	993.0	984.1	993.0	1001.8	1004.0	1017.8	1036.1	1045.2	1060.4	1090.7
162.5°	1013.8	1007.1	1000.4	1007.1	1013.8	1015.4	1025.3	1038.5	1045.2	1058.0	1083.5
165°	1030.2	1024.2	1018.2	1024.2	1030.2	1031.7	1036.2	1042.2	1045.2	1054.3	1072.7
167.5°	1040.2	1037.3	1034.5	1037.3	1040.2	1040.9	1044.7	1049.7	1052.3	1058.3	1070.3
170°	1050.9	1048.0	1045.2	1048.0	1050.9	1051.6	1051.9	1052.1	1052.3	1058.3	1070.3
172.5°	1052.1	1051.5	1050.9	1051.5	1052.1	1052.3	1052.3	1052.3	1052.3	1057.1	1066.5
175°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1056.6	1053.7	1052.3	1055.3	1061.3
177.5°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1057.1	1054.8	1053.7	1056.1	1060.8
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2302.1	2295.4	2304.4	2279.6	2304.4	2295.4	2302.1	2317.9	2304.4	2313.4	2322.5
5°	2020.0	2008.7	1972.6	1943.3	1972.6	2008.7	2020.0	2067.4	2090.0	2130.6	2184.8
7.5°	1805.6	1796.6	1787.5	1769.5	1787.5	1796.6	1805.6	1819.1	1841.8	1877.8	1918.5
10°	1758.2	1760.4	1774.0	1771.7	1774.0	1760.4	1758.2	1753.7	1746.9	1753.7	1778.6
12.5°	1880.1	1900.4	1974.9	1970.4	1974.9	1900.4	1880.1	1789.8	1728.8	1717.6	1722.1
15°	2020.0	2026.8	2042.6	2044.9	2042.6	2026.8	2020.0	1983.9	1801.1	1722.1	1697.2
17.5°	2033.6	2035.8	2047.1	2047.1	2047.1	2035.8	2033.6	2017.8	1956.8	1850.7	1710.8
20°	2022.3	2026.8	2049.4	2053.9	2049.4	2026.8	2022.3	2002.0	1968.1	1929.7	1823.6
22.5°	2017.8	2026.8	2044.9	2042.6	2044.9	2026.8	2017.8	1986.2	1956.8	1929.7	1886.9
25°	1995.2	1995.2	1997.5	1999.7	1997.5	1995.2	1995.2	1970.4	1911.7	1904.9	1880.1
27.5°	1947.8	1952.3	1965.9	1963.6	1965.9	1952.3	1947.8	1938.8	1875.6	1868.8	1850.7
30°	1904.9	1900.4	1889.1	1880.1	1889.1	1900.4	1904.9	1891.4	1828.2	1810.2	1814.6
32.5°	1832.7	1821.4	1810.2	1803.3	1810.2	1821.4	1832.7	1828.2	1780.8	1755.9	1760.4
35°	1746.9	1749.2	1746.9	1740.1	1746.9	1749.2	1746.9	1751.5	1722.1	1699.5	1697.2
37.5°	1686.0	1690.5	1688.3	1679.2	1688.3	1690.5	1686.0	1681.4	1640.9	1634.1	1638.6
40°	1622.8	1625.1	1622.8	1616.0	1622.8	1625.1	1622.8	1613.8	1557.3	1559.6	1575.4
42.5°	1561.9	1559.6	1552.8	1548.3	1552.8	1559.6	1561.9	1548.3	1476.1	1469.3	1498.7
45°	1491.9	1494.1	1480.6	1473.8	1480.6	1494.1	1491.9	1482.9	1408.4	1390.3	1410.6
47.5°	1422.0	1422.0	1410.6	1403.8	1410.6	1422.0	1422.0	1410.6	1331.7	1313.6	1324.8
50°	1347.5	1345.2	1329.4	1327.1	1329.4	1345.2	1347.5	1340.6	1257.2	1241.4	1241.4
52.5°	1261.6	1261.6	1263.9	1268.5	1263.9	1261.6	1261.6	1263.9	1189.5	1173.7	1169.1
55°	1187.2	1189.5	1205.3	1209.8	1205.3	1189.5	1187.2	1187.2	1119.5	1103.7	1094.7
57.5°	1110.5	1110.5	1121.7	1121.7	1121.7	1110.5	1110.5	1105.9	1040.5	1026.9	1022.4
60°	1022.4	1026.9	1036.0	1033.8	1036.0	1026.9	1022.4	1017.9	961.5	952.4	936.6
62.5°	929.9	934.4	936.6	932.1	936.6	934.4	929.9	916.3	882.5	875.7	855.4
65°	832.9	837.4	839.6	835.1	839.6	837.4	832.9	826.0	801.3	790.0	771.9
67.5°	733.5	731.3	729.0	738.1	729.0	731.3	733.5	724.5	708.7	699.7	674.8
70°	632.0	632.0	629.7	634.2	629.7	632.0	632.0	625.2	616.2	609.4	586.8
72.5°	523.7	521.4	530.4	523.7	530.4	521.4	523.7	521.4	516.8	510.1	487.5
75°	417.6	422.0	417.6	424.3	417.6	422.0	417.6	419.8	417.6	413.1	397.3
77.5°	318.2	322.8	318.2	318.2	318.2	322.8	318.2	320.5	320.5	320.5	307.0
80°	225.7	223.4	223.4	221.2	223.4	223.4	225.7	225.7	228.0	223.4	218.9
82.5°	144.4	142.2	142.2	146.7	142.2	142.2	144.4	146.7	142.2	142.2	142.2
85°	79.0	81.2	76.7	76.7	76.7	81.2	79.0	74.5	79.0	79.0	76.7
87.5°	29.4	27.1	27.1	27.1	27.1	27.1	29.4	31.6	31.6	31.6	33.8
90°	27.0	27.0	27.0	27.0	27.0	27.0	27.0	36.0	48.0	54.0	46.4
92.5°	135.0	129.7	108.2	86.7	108.2	129.7	135.0	191.4	266.5	304.1	267.0
95°	458.3	442.1	377.0	311.9	377.0	442.1	458.3	601.8	793.2	888.9	750.7
97.5°	1058.0	1027.1	903.2	779.5	903.2	1027.1	1058.0	1148.7	1269.7	1330.1	1099.8
100°	1485.8	1448.9	1301.4	1153.9	1301.4	1448.9	1485.8	1479.1	1470.3	1465.9	1210.2
102.5°	1851.0	1819.4	1693.1	1566.7	1693.1	1819.4	1851.0	1735.4	1581.2	1504.2	1244.9
105°	2277.3	2260.3	2192.4	2124.5	2192.4	2260.3	2277.3	2018.1	1672.6	1499.9	1248.9
107.5°	2498.9	2503.0	2519.5	2535.9	2519.5	2503.0	2498.9	2137.5	1655.6	1414.7	1193.3
110°	2555.8	2573.5	2644.2	2714.9	2644.2	2573.5	2555.8	2151.7	1613.0	1343.6	1144.0



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-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°	2519.6	2546.8	2655.3	2764.0	2655.3	2546.8	2519.6	2106.0	1554.7	1279.0	1101.1
115°	2396.7	2434.4	2584.9	2735.6	2584.9	2434.4	2396.7	1998.3	1467.1	1201.5	1051.7
117.5°	2226.8	2268.6	2435.6	2602.7	2435.6	2268.6	2226.8	1867.3	1387.9	1148.2	1020.8
120°	2112.4	2153.0	2315.4	2477.7	2315.4	2153.0	2112.4	1783.9	1345.9	1126.9	1010.4
122.5°	1998.1	2038.1	2198.2	2358.2	2198.2	2038.1	1998.1	1702.2	1307.8	1110.5	1004.9
125°	1846.7	1883.6	2031.0	2178.5	2031.0	1883.6	1846.7	1595.4	1260.4	1092.8	1000.4
127.5°	1725.2	1756.3	1880.7	2005.2	1880.7	1756.3	1725.2	1509.4	1221.7	1077.9	997.9
130°	1648.5	1677.2	1792.1	1907.1	1792.1	1677.2	1648.5	1456.4	1200.2	1072.2	999.4
132.5°	1583.0	1608.8	1711.8	1814.7	1711.8	1608.8	1583.0	1411.1	1181.9	1067.2	1000.4
135°	1490.7	1512.9	1601.7	1690.4	1601.7	1512.9	1490.7	1346.7	1154.7	1058.7	999.5
137.5°	1422.5	1440.7	1513.3	1585.9	1513.3	1440.7	1422.5	1300.8	1138.4	1057.2	1005.7
140°	1367.8	1384.8	1452.6	1520.5	1452.6	1384.8	1367.8	1262.7	1122.4	1052.3	1006.7
142.5°	1329.5	1344.1	1402.5	1460.9	1402.5	1344.1	1329.5	1237.0	1113.9	1052.3	1010.3
145°	1271.9	1282.9	1327.1	1371.3	1327.1	1282.9	1271.9	1196.3	1095.6	1045.2	1010.3
147.5°	1223.5	1232.7	1269.3	1306.0	1269.3	1232.7	1223.5	1164.1	1084.8	1045.2	1017.3
150°	1195.9	1203.3	1232.9	1262.7	1232.9	1203.3	1195.9	1145.6	1078.7	1045.2	1020.9
152.5°	1173.8	1179.5	1201.8	1224.2	1201.8	1179.5	1173.8	1131.0	1073.8	1045.2	1023.2
155°	1147.5	1151.2	1166.1	1180.9	1166.1	1151.2	1147.5	1113.4	1067.9	1045.2	1028.5
157.5°	1124.8	1127.4	1137.8	1148.2	1137.8	1127.4	1124.8	1098.2	1062.9	1045.2	1033.7
160°	1113.4	1115.0	1121.0	1126.9	1121.0	1115.0	1113.4	1090.7	1060.4	1045.2	1036.1
162.5°	1102.8	1104.2	1109.9	1115.6	1109.9	1104.2	1102.8	1083.5	1058.0	1045.2	1038.5
165°	1086.5	1088.0	1094.0	1099.9	1094.0	1088.0	1086.5	1072.7	1054.3	1045.2	1042.2
167.5°	1079.3	1079.9	1082.4	1085.0	1082.4	1079.9	1079.3	1070.3	1058.3	1052.3	1049.7
170°	1079.3	1079.3	1079.3	1079.3	1079.3	1079.3	1079.3	1070.3	1058.3	1052.3	1052.1
172.5°	1073.6	1073.1	1070.9	1068.7	1070.9	1073.1	1073.6	1066.5	1057.1	1052.3	1052.3
175°	1065.8	1065.8	1065.8	1065.8	1065.8	1065.8	1065.8	1061.3	1055.3	1052.3	1053.7
177.5°	1064.4	1063.8	1061.3	1058.7	1061.3	1063.8	1064.4	1060.8	1056.1	1053.7	1054.8
180°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2356.3	2367.6	2374.4	2383.4	2406.0
5°	2266.0	2308.9	2322.5	2356.3	2396.9
7.5°	2067.4	2198.4	2234.4	2315.7	2378.9
10°	1875.6	2006.5	2069.6	2261.6	2356.3
12.5°	1778.6	1855.3	1898.1	2166.8	2324.7
15°	1717.6	1771.7	1803.3	2040.3	2288.6
17.5°	1670.2	1708.6	1731.1	1916.2	2238.9
20°	1640.9	1658.9	1679.2	1826.0	2182.6
22.5°	1620.5	1609.3	1625.1	1762.7	2105.8
25°	1607.0	1564.1	1582.2	1713.0	2015.5
27.5°	1618.3	1523.5	1530.3	1667.9	1920.7
30°	1620.5	1473.8	1476.1	1620.5	1814.6
32.5°	1604.7	1422.0	1424.2	1561.9	1695.0
35°	1566.4	1361.0	1358.7	1494.1	1532.5
37.5°	1514.5	1295.5	1295.5	1419.6	1354.2
40°	1451.2	1230.0	1236.9	1322.6	1196.2
42.5°	1374.5	1160.1	1169.1	1194.0	1078.8
45°	1291.0	1092.4	1099.2	1008.9	988.6
47.5°	1198.5	1022.4	1024.7	837.4	959.3
50°	1087.9	950.2	941.2	717.7	957.0
52.5°	990.8	871.2	844.1	650.0	869.0
55°	896.1	787.7	729.0	598.1	805.8
57.5°	812.5	679.4	622.9	537.2	792.2
60°	735.7	573.3	530.4	471.7	726.8
62.5°	672.6	494.3	485.2	426.6	659.0
65°	604.9	440.1	437.8	388.2	559.7
67.5°	539.5	404.0	401.8	352.1	426.6
70°	469.4	365.7	361.1	313.7	315.9
72.5°	397.3	322.8	318.2	282.1	261.8
75°	325.0	273.1	270.8	246.0	212.2
77.5°	255.0	216.7	221.2	198.6	155.7
80°	182.8	158.0	162.5	142.2	117.4
82.5°	121.9	103.9	108.3	90.3	79.0
85°	67.7	58.7	60.9	47.4	36.1
87.5°	31.6	27.1	27.1	18.0	11.3
90°	31.3	19.9	18.4	12.8	7.1
92.5°	192.8	137.2	125.1	76.8	28.4
95°	474.4	267.2	245.0	156.6	68.2
97.5°	639.1	293.5	274.0	195.9	118.0
100°	698.9	315.5	297.8	227.0	156.3
102.5°	726.4	337.5	321.0	255.0	189.0
105°	746.8	370.2	356.2	300.3	244.5
107.5°	750.6	418.5	405.5	353.4	301.3
110°	744.9	445.5	433.7	386.7	339.6



TEST NUMBER: P935243

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	745.1	478.2	467.0	422.1	377.3
115°	752.0	527.3	516.9	475.5	434.2
117.5°	766.0	574.8	565.4	527.9	490.3
120°	777.3	602.5	593.7	558.3	523.0
122.5°	793.7	635.2	626.3	590.6	554.9
125°	815.7	677.2	669.0	636.5	604.0
127.5°	837.7	717.6	709.4	676.6	643.8
130°	853.8	744.6	735.7	700.4	665.0
132.5°	866.9	766.7	757.8	722.4	687.1
135°	881.1	792.3	784.3	752.0	719.8
137.5°	902.4	824.9	817.0	785.0	753.2
140°	915.4	847.0	839.6	810.2	780.8
142.5°	926.3	863.3	856.5	829.4	802.2
145°	940.6	888.2	882.3	858.6	834.9
147.5°	961.4	919.5	913.7	890.6	867.5
150°	972.3	935.8	930.6	909.7	888.9
152.5°	979.3	946.5	942.5	926.7	910.9
155°	995.0	969.9	967.0	955.3	943.6
157.5°	1010.6	993.4	990.5	979.1	967.7
160°	1017.8	1004.0	1001.8	993.0	984.1
162.5°	1025.3	1015.4	1013.8	1007.1	1000.4
165°	1036.2	1031.7	1030.2	1024.2	1018.2
167.5°	1044.7	1040.9	1040.2	1037.3	1034.5
170°	1051.9	1051.6	1050.9	1048.0	1045.2
172.5°	1052.3	1052.3	1052.1	1051.5	1050.9
175°	1056.6	1058.7	1058.7	1058.7	1058.7
177.5°	1057.1	1058.7	1058.7	1058.7	1058.7
180°	1058.7	1058.7	1058.7	1058.7	1058.7



TEST NUMBER: P935243  
 CATALOG NUMBER: SQ4-FA-100U-100D-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	12.92	13.76	13.90	14.75	16.06	15.75	16.59	16.73	17.59	18.89
	3H	13.39	14.14	14.38	15.14	16.47	17.10	17.85	18.09	18.85	20.18
	4H	13.58	14.29	14.58	15.30	16.63	17.55	18.26	18.55	19.26	20.60
	6H	13.70	14.35	14.71	15.36	16.71	17.83	18.49	18.84	19.50	20.85
	8H	13.70	14.32	14.72	15.35	16.70	17.91	18.53	18.93	19.56	20.90
	12H	13.67	14.26	14.70	15.28	16.65	17.94	18.54	18.97	19.56	20.93
4H	2H	13.95	14.66	14.96	15.66	17.00	16.16	16.87	17.17	17.88	19.21
	3H	14.97	15.57	15.99	16.60	17.95	17.67	18.26	18.68	19.29	20.64
	4H	15.25	15.79	16.27	16.82	18.19	18.20	18.74	19.22	19.76	21.14
	6H	15.37	15.84	16.41	16.89	18.26	18.56	19.03	19.60	20.08	21.45
	8H	15.38	15.81	16.41	16.85	18.24	18.67	19.10	19.71	20.15	21.53
	12H	15.34	15.74	16.40	16.79	18.18	18.73	19.12	19.78	20.18	21.57
8H	4H	15.70	16.14	16.74	17.18	18.56	18.32	18.75	19.36	19.79	21.18
	6H	15.96	16.32	17.02	17.41	18.79	18.76	19.11	19.82	20.20	21.58
	8H	16.00	16.32	17.07	17.39	18.79	18.91	19.22	19.98	20.29	21.69
	12H	15.99	16.27	17.06	17.33	18.77	19.01	19.29	20.08	20.35	21.79
12H	4H	15.71	16.10	16.76	17.16	18.55	18.28	18.67	19.34	19.73	21.12
	6H	16.02	16.34	17.09	17.41	18.81	18.75	19.07	19.82	20.14	21.54
	8H	16.09	16.37	17.16	17.43	18.87	18.91	19.19	19.99	20.26	21.70