

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: P935267

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

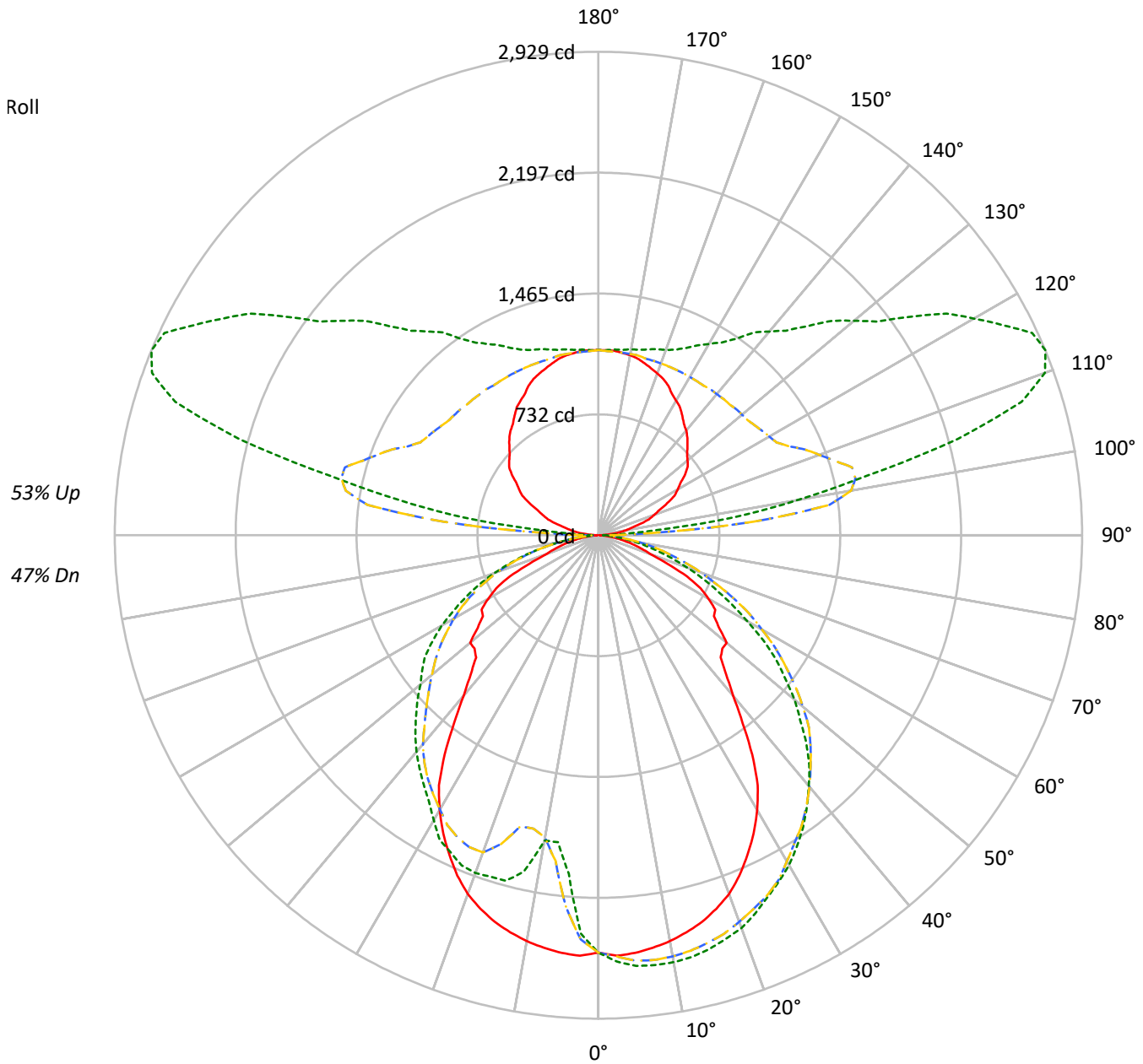
Test Method: LM-79-2019  
Report Number: P935267  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13832.7 lumens  
Efficiency: N/A  
Efficacy: 119.2 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: P935267  
CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**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	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	11730	11730	11730	11730
5°	11818	11841	11818	9310
10°	11738	11663	11738	8339
15°	11611	11411	11611	9528
20°	11368	11112	11368	9548
25°	10871	10675	10871	9346
30°	10228	10313	10228	8902
35°	9118	9854	9118	8413
40°	7598	9314	7598	8045
45°	6789	8682	6789	7621
50°	7212	7929	7212	7195
55°	6786	7117	6786	6949
60°	6995	6045	6995	6364
65°	6342	4997	6342	5585
70°	4391	3982	4391	4682
75°	3850	2944	3850	3525
80°	3104	1945	3104	2119
85°	1784	1031	1784	876

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10405 cd/sqm



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.2	1.6
10°-20°	648.0	4.7
20°-30°	1001.6	7.2
30°-40°	1195.7	8.6
40°-50°	1202.7	8.7
50°-60°	1046.5	7.6
60°-70°	742.0	5.4
70°-80°	392.6	2.8
80°-90°	102.0	0.7
90°-100°	546.9	4.0
100°-110°	1437.8	10.4
110°-120°	1490.9	10.8
120°-130°	1195.9	8.6
130°-140°	938.3	6.8
140°-150°	720.2	5.2
150°-160°	518.7	3.7
160°-170°	317.4	2.3
170°-180°	107.2	0.8
0°-30°	1877.8	13.6
0°-40°	3073.5	22.2
0°-60°	5322.8	38.5
0°-90°	6559.4	47.4
90°-120°	3475.6	25.1
90°-150°	6330.0	45.8
90°-180°	7273.0	52.6
0°-180°	13832.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2528	2528	2528	2528	2528	
5°	2540	2619	2540	2059	2540	241
15°	2425	2595	2425	2167	2425	682
25°	2136	2421	2136	2119	2136	981
35°	1624	2160	1624	1844	1624	1005
45°	1048	1780	1048	1562	1048	839
55°	854	1313	854	1282	854	785
65°	593	792	593	885	593	567
75°	225	376	225	450	225	236
85°	38	96	38	81	38	52
90°	8	29	8	29	8	8
95°	72	331	72	331	72	80
105°	259	2251	259	2251	259	275
115°	460	2899	460	2899	460	454
125°	640	2309	640	2309	640	568
135°	763	1791	763	1791	763	590
145°	885	1453	885	1453	885	554
155°	1000	1252	1000	1252	1000	459
165°	1079	1166	1079	1166	1079	305
175°	1122	1130	1122	1130	1122	107
180°	1122	1122	1122	1122	1122	



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2549.7	2549.7	2564.0	2568.8	2568.8	2561.7	2554.5	2561.7	2583.2	2590.4	2588.0
5°	2540.2	2559.3	2585.6	2590.4	2595.2	2592.7	2588.0	2592.7	2616.7	2621.5	2623.9
7.5°	2521.1	2556.9	2590.4	2597.5	2604.8	2597.5	2595.2	2600.0	2623.9	2628.7	2628.7
10°	2497.1	2547.3	2585.6	2590.4	2597.5	2590.4	2590.4	2600.0	2623.9	2628.7	2631.0
12.5°	2463.6	2533.0	2568.8	2573.6	2583.2	2580.8	2578.4	2588.0	2611.9	2616.7	2616.7
15°	2425.4	2506.7	2540.2	2545.0	2561.7	2556.9	2556.9	2566.5	2592.7	2600.0	2597.5
17.5°	2372.7	2473.2	2511.5	2518.6	2530.6	2528.2	2530.6	2540.2	2564.0	2568.8	2571.3
20°	2313.0	2427.7	2473.2	2480.3	2492.4	2492.4	2492.4	2504.3	2528.2	2537.8	2537.8
22.5°	2231.6	2379.9	2427.7	2432.5	2446.8	2446.8	2451.6	2468.4	2489.9	2492.4	2492.4
25°	2135.9	2327.3	2367.9	2382.3	2396.7	2403.8	2411.0	2420.6	2427.7	2425.4	2427.7
27.5°	2035.4	2260.3	2313.0	2322.5	2341.7	2348.8	2358.4	2360.8	2363.2	2370.3	2365.5
30°	1923.0	2167.0	2246.0	2255.6	2286.6	2291.4	2281.8	2286.6	2298.6	2303.4	2308.2
32.5°	1796.3	2028.3	2176.6	2198.1	2226.8	2212.5	2210.0	2217.3	2236.4	2236.4	2241.2
35°	1624.0	1920.7	2112.0	2131.1	2152.7	2135.9	2145.5	2147.9	2159.9	2167.0	2164.6
37.5°	1435.1	1827.3	2045.0	2059.4	2076.2	2054.6	2068.9	2076.2	2085.7	2081.0	2081.0
40°	1267.7	1681.5	1966.1	1975.7	1990.0	1973.3	1987.6	1992.4	1997.2	1992.4	1990.0
42.5°	1143.3	1521.2	1882.4	1894.3	1884.8	1896.8	1901.6	1911.1	1903.9	1894.3	1894.3
45°	1047.6	1478.1	1791.5	1805.9	1791.5	1810.7	1817.8	1817.8	1796.3	1791.5	1789.1
47.5°	1016.6	1392.0	1700.6	1700.6	1693.5	1717.4	1729.3	1712.6	1691.0	1683.9	1683.9
50°	1014.1	1296.4	1576.2	1566.7	1600.1	1628.8	1616.9	1600.1	1583.4	1557.1	1557.1
52.5°	920.9	1179.2	1415.9	1451.9	1504.5	1521.2	1502.1	1485.4	1456.7	1444.7	1435.1
55°	853.9	1057.2	1270.1	1341.8	1396.8	1418.4	1382.5	1365.8	1322.7	1315.6	1310.8
57.5°	839.5	880.2	1136.2	1227.0	1294.0	1291.6	1270.1	1239.0	1203.1	1195.9	1193.5
60°	770.2	636.2	992.6	1100.2	1169.6	1162.4	1143.3	1114.6	1081.1	1076.3	1071.5
62.5°	698.4	461.6	829.9	952.0	1050.0	1047.6	1030.9	987.8	963.9	952.0	942.4
65°	593.2	387.5	590.8	791.7	932.9	937.6	901.7	870.7	844.3	829.9	827.6
67.5°	452.0	315.7	399.4	660.1	820.4	815.6	770.2	755.8	722.3	715.2	700.8
70°	334.8	210.4	277.4	535.8	710.4	698.4	662.6	645.8	614.7	597.9	588.4
72.5°	277.4	169.8	203.3	416.2	597.9	583.6	552.5	533.4	507.1	492.7	483.2
75°	224.8	179.4	155.5	308.6	485.5	476.0	447.2	428.1	406.6	387.5	389.9
77.5°	165.0	167.5	124.4	227.2	385.1	370.8	354.0	330.1	320.5	301.4	301.4
80°	124.4	131.5	93.3	155.5	277.4	277.4	263.1	246.4	229.6	220.0	220.0
82.5°	83.7	83.7	69.3	98.0	189.0	181.8	172.3	167.5	157.9	153.1	153.1
85°	38.3	47.8	43.1	59.8	102.8	107.6	107.6	102.8	100.5	95.7	98.0
87.5°	11.9	21.5	26.3	33.5	52.6	55.0	57.4	57.4	57.4	59.8	59.8
90°	7.5	13.6	19.6	21.1	33.1	49.2	57.2	50.9	38.1	28.6	28.6
92.5°	30.1	81.4	132.6	145.4	204.3	283.0	322.2	282.4	202.8	143.1	137.4
95°	72.3	166.0	259.7	283.1	502.7	795.5	942.0	840.6	637.8	485.7	468.5
97.5°	125.0	207.6	290.4	311.0	677.2	1165.5	1409.6	1345.5	1217.4	1121.2	1088.5
100°	165.6	240.6	315.6	334.4	740.7	1282.5	1553.4	1558.1	1567.5	1574.5	1535.4
102.5°	200.3	270.2	340.2	357.6	769.7	1319.3	1594.1	1675.7	1839.1	1961.6	1928.1
105°	259.1	318.3	377.5	392.3	791.4	1323.5	1589.6	1772.6	2138.7	2413.3	2395.3
107.5°	319.3	374.5	429.7	443.5	795.5	1264.6	1499.2	1754.6	2265.3	2648.2	2652.6
110°	359.9	409.8	459.6	472.1	789.4	1212.4	1423.9	1709.4	2280.3	2708.5	2727.3



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	399.8	447.3	494.9	506.8	789.7	1166.8	1355.4	1647.6	2231.9	2670.1	2698.9
115°	460.1	503.9	547.8	558.8	796.9	1114.5	1273.3	1554.8	2117.7	2539.9	2579.8
117.5°	519.6	559.4	599.2	609.2	811.7	1081.8	1216.8	1470.8	1978.9	2359.8	2404.1
120°	554.2	591.7	629.2	638.5	823.8	1070.8	1194.3	1426.4	1890.5	2238.6	2281.6
122.5°	588.1	625.9	663.8	673.2	841.1	1064.9	1176.9	1385.9	1803.9	2117.4	2159.9
125°	640.0	674.5	709.0	717.6	864.4	1060.2	1158.1	1335.7	1690.8	1957.0	1996.2
127.5°	682.2	717.0	751.8	760.5	887.8	1057.5	1142.3	1294.7	1599.6	1828.2	1861.2
130°	704.8	742.2	779.7	789.1	904.8	1059.1	1136.2	1271.9	1543.4	1747.0	1777.4
132.5°	728.1	765.6	803.1	812.5	918.6	1060.2	1131.0	1252.5	1495.4	1677.6	1704.9
135°	762.8	796.9	831.1	839.6	933.8	1059.2	1121.9	1223.7	1427.2	1579.8	1603.3
137.5°	798.2	831.9	865.8	874.2	956.3	1065.7	1120.4	1206.4	1378.5	1507.5	1526.7
140°	827.5	858.6	889.8	897.6	970.1	1066.8	1115.2	1189.5	1338.1	1449.5	1467.5
142.5°	850.1	878.9	907.7	914.8	981.6	1070.6	1115.2	1180.4	1310.9	1408.9	1424.4
145°	884.8	909.9	935.0	941.3	996.8	1070.7	1107.6	1161.1	1267.8	1347.9	1359.6
147.5°	919.4	943.8	968.3	974.4	1018.8	1078.0	1107.6	1149.6	1233.6	1296.6	1306.3
150°	942.0	964.1	986.2	991.7	1030.3	1081.8	1107.6	1143.1	1214.1	1267.3	1275.2
152.5°	965.4	982.1	998.8	1003.0	1037.9	1084.4	1107.6	1138.0	1198.5	1244.0	1249.9
155°	999.9	1012.3	1024.7	1027.8	1054.4	1089.9	1107.6	1131.7	1180.0	1216.1	1220.0
157.5°	1025.5	1037.6	1049.7	1052.7	1071.0	1095.4	1107.6	1126.4	1163.9	1192.0	1194.7
160°	1042.9	1052.3	1061.7	1064.0	1078.6	1098.0	1107.6	1123.8	1155.9	1180.0	1181.6
162.5°	1060.2	1067.3	1074.3	1076.1	1086.6	1100.6	1107.6	1121.2	1148.3	1168.7	1170.2
165°	1079.0	1085.4	1091.7	1093.3	1098.1	1104.5	1107.6	1117.3	1136.8	1151.4	1153.0
167.5°	1096.3	1099.3	1102.4	1103.1	1107.1	1112.4	1115.2	1121.5	1134.3	1143.8	1144.4
170°	1107.6	1110.6	1113.7	1114.4	1114.7	1115.0	1115.2	1121.5	1134.3	1143.8	1143.8
172.5°	1113.7	1114.3	1115.0	1115.2	1115.2	1115.2	1115.2	1120.2	1130.3	1137.8	1137.2
175°	1121.9	1121.9	1121.9	1121.9	1119.7	1116.7	1115.2	1118.3	1124.7	1129.5	1129.5
177.5°	1121.9	1121.9	1121.9	1121.9	1120.2	1117.9	1116.7	1119.2	1124.2	1128.0	1127.4
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-400K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2592.7	2585.6	2592.7	2588.0	2590.4	2583.2	2561.7	2554.5	2561.7	2568.8	2568.8
5°	2623.9	2619.1	2623.9	2623.9	2621.5	2616.7	2592.7	2588.0	2592.7	2595.2	2590.4
7.5°	2633.5	2626.2	2633.5	2628.7	2628.7	2623.9	2600.0	2595.2	2597.5	2604.8	2597.5
10°	2633.5	2626.2	2633.5	2631.0	2628.7	2623.9	2600.0	2590.4	2590.4	2597.5	2590.4
12.5°	2621.5	2616.7	2621.5	2616.7	2616.7	2611.9	2588.0	2578.4	2580.8	2583.2	2573.6
15°	2602.3	2595.2	2602.3	2597.5	2600.0	2592.7	2566.5	2556.9	2556.9	2561.7	2545.0
17.5°	2573.6	2564.0	2573.6	2571.3	2568.8	2564.0	2540.2	2530.6	2528.2	2530.6	2518.6
20°	2540.2	2533.0	2540.2	2537.8	2537.8	2528.2	2504.3	2492.4	2492.4	2492.4	2480.3
22.5°	2487.6	2480.3	2487.6	2492.4	2492.4	2489.9	2468.4	2451.6	2446.8	2446.8	2432.5
25°	2427.7	2420.6	2427.7	2427.7	2425.4	2427.7	2420.6	2411.0	2403.8	2396.7	2382.3
27.5°	2370.3	2365.5	2370.3	2365.5	2370.3	2363.2	2360.8	2358.4	2348.8	2341.7	2322.5
30°	2313.0	2308.2	2313.0	2308.2	2303.4	2298.6	2286.6	2281.8	2291.4	2286.6	2255.6
32.5°	2241.2	2236.4	2241.2	2241.2	2236.4	2236.4	2217.3	2210.0	2212.5	2226.8	2198.1
35°	2167.0	2159.9	2167.0	2164.6	2167.0	2159.9	2147.9	2145.5	2135.9	2152.7	2131.1
37.5°	2081.0	2073.7	2081.0	2081.0	2081.0	2085.7	2076.2	2068.9	2054.6	2076.2	2059.4
40°	1992.4	1982.8	1992.4	1990.0	1992.4	1997.2	1992.4	1987.6	1973.3	1990.0	1975.7
42.5°	1892.0	1889.6	1892.0	1894.3	1894.3	1903.9	1911.1	1901.6	1896.8	1884.8	1894.3
45°	1784.3	1779.5	1784.3	1789.1	1791.5	1796.3	1817.8	1817.8	1810.7	1791.5	1805.9
47.5°	1669.5	1657.5	1669.5	1683.9	1683.9	1691.0	1712.6	1729.3	1717.4	1693.5	1700.6
50°	1547.6	1549.9	1547.6	1557.1	1557.1	1583.4	1600.1	1616.9	1628.8	1600.1	1566.7
52.5°	1428.0	1425.5	1428.0	1435.1	1444.7	1456.7	1485.4	1502.1	1521.2	1504.5	1451.9
55°	1308.3	1313.1	1308.3	1310.8	1315.6	1322.7	1365.8	1382.5	1418.4	1396.8	1341.8
57.5°	1188.7	1181.6	1188.7	1193.5	1195.9	1203.1	1239.0	1270.1	1291.6	1294.0	1227.0
60°	1050.0	1040.5	1050.0	1071.5	1076.3	1081.1	1114.6	1143.3	1162.4	1169.6	1100.2
62.5°	928.1	911.3	928.1	942.4	952.0	963.9	987.8	1030.9	1047.6	1050.0	952.0
65°	798.9	791.7	798.9	827.6	829.9	844.3	870.7	901.7	937.6	932.9	791.7
67.5°	681.7	681.7	681.7	700.8	715.2	722.3	755.8	770.2	815.6	820.4	660.1
70°	574.1	571.7	574.1	588.4	597.9	614.7	645.8	662.6	698.4	710.4	535.8
72.5°	471.2	468.8	471.2	483.2	492.7	507.1	533.4	552.5	583.6	597.9	416.2
75°	380.3	375.6	380.3	389.9	387.5	406.6	428.1	447.2	476.0	485.5	308.6
77.5°	291.8	291.8	291.8	301.4	301.4	320.5	330.1	354.0	370.8	385.1	227.2
80°	217.7	215.2	217.7	220.0	220.0	229.6	246.4	263.1	277.4	277.4	155.5
82.5°	153.1	148.3	153.1	153.1	153.1	157.9	167.5	172.3	181.8	189.0	98.0
85°	95.7	95.7	95.7	98.0	95.7	100.5	102.8	107.6	107.6	102.8	59.8
87.5°	62.2	59.8	62.2	59.8	59.8	57.4	57.4	57.4	55.0	52.6	33.5
90°	28.6	28.6	28.6	28.6	28.6	38.1	50.9	57.2	49.2	33.1	21.1
92.5°	114.7	91.9	114.7	137.4	143.1	202.8	282.4	322.2	283.0	204.3	145.4
95°	399.5	330.6	399.5	468.5	485.7	637.8	840.6	942.0	795.5	502.7	283.1
97.5°	957.2	826.0	957.2	1088.5	1121.2	1217.4	1345.5	1409.6	1165.5	677.2	311.0
100°	1379.2	1222.9	1379.2	1535.4	1574.5	1567.5	1558.1	1553.4	1282.5	740.7	334.4
102.5°	1794.2	1660.3	1794.2	1928.1	1961.6	1839.1	1675.7	1594.1	1319.3	769.7	357.6
105°	2323.4	2251.4	2323.4	2395.3	2413.3	2138.7	1772.6	1589.6	1323.5	791.4	392.3
107.5°	2670.0	2687.4	2670.0	2652.6	2648.2	2265.3	1754.6	1499.2	1264.6	795.5	443.5
110°	2802.2	2877.1	2802.2	2727.3	2708.5	2280.3	1709.4	1423.9	1212.4	789.4	472.1





TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2814.0	2929.1	2814.0	2698.9	2670.1	2231.9	1647.6	1355.4	1166.8	789.7	506.8
115°	2739.4	2899.0	2739.4	2579.8	2539.9	2117.7	1554.8	1273.3	1114.5	796.9	558.8
117.5°	2581.2	2758.2	2581.2	2404.1	2359.8	1978.9	1470.8	1216.8	1081.8	811.7	609.2
120°	2453.7	2625.7	2453.7	2281.6	2238.6	1890.5	1426.4	1194.3	1070.8	823.8	638.5
122.5°	2329.5	2499.1	2329.5	2159.9	2117.4	1803.9	1385.9	1176.9	1064.9	841.1	673.2
125°	2152.4	2308.7	2152.4	1996.2	1957.0	1690.8	1335.7	1158.1	1060.2	864.4	717.6
127.5°	1993.1	2125.0	1993.1	1861.2	1828.2	1599.6	1294.7	1142.3	1057.5	887.8	760.5
130°	1899.2	2021.0	1899.2	1777.4	1747.0	1543.4	1271.9	1136.2	1059.1	904.8	789.1
132.5°	1814.0	1923.1	1814.0	1704.9	1677.6	1495.4	1252.5	1131.0	1060.2	918.6	812.5
135°	1697.4	1791.4	1697.4	1603.3	1579.8	1427.2	1223.7	1121.9	1059.2	933.8	839.6
137.5°	1603.7	1680.7	1603.7	1526.7	1507.5	1378.5	1206.4	1120.4	1065.7	956.3	874.2
140°	1539.4	1611.4	1539.4	1467.5	1449.5	1338.1	1189.5	1115.2	1066.8	970.1	897.6
142.5°	1486.3	1548.2	1486.3	1424.4	1408.9	1310.9	1180.4	1115.2	1070.6	981.6	914.8
145°	1406.4	1453.2	1406.4	1359.6	1347.9	1267.8	1161.1	1107.6	1070.7	996.8	941.3
147.5°	1345.2	1384.0	1345.2	1306.3	1296.6	1233.6	1149.6	1107.6	1078.0	1018.8	974.4
150°	1306.6	1338.1	1306.6	1275.2	1267.3	1214.1	1143.1	1107.6	1081.8	1030.3	991.7
152.5°	1273.7	1297.4	1273.7	1249.9	1244.0	1198.5	1138.0	1107.6	1084.4	1037.9	1003.0
155°	1235.7	1251.5	1235.7	1220.0	1216.1	1180.0	1131.7	1107.6	1089.9	1054.4	1027.8
157.5°	1205.8	1216.8	1205.8	1194.7	1192.0	1163.9	1126.4	1107.6	1095.4	1071.0	1052.7
160°	1187.9	1194.3	1187.9	1181.6	1180.0	1155.9	1123.8	1107.6	1098.0	1078.6	1064.0
162.5°	1176.2	1182.2	1176.2	1170.2	1168.7	1148.3	1121.2	1107.6	1100.6	1086.6	1076.1
165°	1159.3	1165.7	1159.3	1153.0	1151.4	1136.8	1117.3	1107.6	1104.5	1098.1	1093.3
167.5°	1147.1	1149.8	1147.1	1144.4	1143.8	1134.3	1121.5	1115.2	1112.4	1107.1	1103.1
170°	1143.8	1143.8	1143.8	1143.8	1143.8	1134.3	1121.5	1115.2	1115.0	1114.7	1114.4
172.5°	1134.9	1132.5	1134.9	1137.2	1137.8	1130.3	1120.2	1115.2	1115.2	1115.2	1115.2
175°	1129.5	1129.5	1129.5	1129.5	1129.5	1124.7	1118.3	1115.2	1116.7	1119.7	1121.9
177.5°	1124.7	1121.9	1124.7	1127.4	1128.0	1124.2	1119.2	1116.7	1117.9	1120.2	1121.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2564.0	2549.7	2549.7	2525.9	2516.3	2509.1	2497.1	2461.2	2451.6	2442.1	2456.4
5°	2585.6	2559.3	2540.2	2497.1	2461.2	2446.8	2401.4	2315.3	2257.9	2214.8	2190.9
7.5°	2590.4	2556.9	2521.1	2454.1	2367.9	2329.7	2190.9	2033.1	1990.0	1951.8	1927.8
10°	2585.6	2547.3	2497.1	2396.7	2193.3	2126.4	1987.6	1884.8	1858.5	1851.3	1858.5
12.5°	2568.8	2533.0	2463.6	2296.2	2011.5	1966.1	1884.8	1825.0	1820.2	1832.1	1896.8
15°	2540.2	2506.7	2425.4	2162.2	1911.1	1877.6	1820.2	1798.6	1825.0	1908.7	2102.4
17.5°	2511.5	2473.2	2372.7	2030.7	1834.6	1810.7	1770.0	1813.0	1961.3	2073.7	2138.4
20°	2473.2	2427.7	2313.0	1935.1	1779.5	1758.0	1738.9	1932.6	2045.0	2085.7	2121.6
22.5°	2427.7	2379.9	2231.6	1868.1	1722.2	1705.4	1717.4	1999.6	2045.0	2073.7	2104.9
25°	2367.9	2327.3	2135.9	1815.4	1676.7	1657.5	1703.0	1992.4	2018.7	2025.9	2088.1
27.5°	2313.0	2260.3	2035.4	1767.6	1621.7	1614.5	1715.0	1961.3	1980.5	1987.6	2054.6
30°	2246.0	2167.0	1923.0	1717.4	1564.3	1561.9	1717.4	1923.0	1918.3	1937.4	2004.4
32.5°	2176.6	2028.3	1796.3	1655.2	1509.3	1506.9	1700.6	1865.6	1860.8	1887.2	1937.4
35°	2112.0	1920.7	1624.0	1583.4	1439.9	1442.3	1660.0	1798.6	1801.1	1825.0	1856.1
37.5°	2045.0	1827.3	1435.1	1504.5	1372.9	1372.9	1604.9	1736.5	1731.8	1738.9	1781.9
40°	1966.1	1681.5	1267.7	1401.6	1310.8	1303.5	1538.0	1669.5	1652.7	1650.4	1710.2
42.5°	1882.4	1521.2	1143.3	1265.3	1239.0	1229.4	1456.7	1588.2	1557.1	1564.3	1640.8
45°	1791.5	1478.1	1047.6	1069.2	1164.9	1157.7	1368.2	1494.9	1473.4	1492.5	1571.5
47.5°	1700.6	1392.0	1016.6	887.4	1085.9	1083.5	1270.1	1404.0	1392.0	1411.2	1494.9
50°	1576.2	1296.4	1014.1	760.6	997.4	1007.0	1152.9	1315.6	1315.6	1332.3	1420.7
52.5°	1415.9	1179.2	920.9	688.8	894.6	923.3	1050.0	1239.0	1243.8	1260.5	1339.5
55°	1270.1	1057.2	853.9	633.9	772.6	834.7	949.6	1160.1	1169.6	1186.4	1258.1
57.5°	1136.2	880.2	839.5	569.3	660.1	720.0	861.1	1083.5	1088.3	1102.7	1172.0
60°	992.6	636.2	770.2	499.9	562.1	607.5	779.7	992.6	1009.3	1018.9	1078.8
62.5°	829.9	461.6	698.4	452.0	514.2	523.8	712.8	906.5	928.1	935.2	971.1
65°	590.8	387.5	593.2	411.4	464.0	466.4	641.0	818.0	837.2	849.1	875.4
67.5°	399.4	315.7	452.0	373.1	425.8	428.1	571.7	715.2	741.5	751.0	767.8
70°	277.4	210.4	334.8	332.5	382.7	387.5	497.5	621.8	645.8	653.0	662.6
72.5°	203.3	169.8	277.4	299.0	337.3	342.1	421.0	516.7	540.6	547.7	552.5
75°	155.5	179.4	224.8	260.7	287.0	289.4	344.4	421.0	437.7	442.5	444.9
77.5°	124.4	167.5	165.0	210.4	234.4	229.6	270.3	325.3	339.6	339.6	339.6
80°	93.3	131.5	124.4	150.7	172.3	167.5	193.7	232.0	236.8	241.6	239.1
82.5°	69.3	83.7	83.7	95.7	114.8	110.1	129.2	150.7	150.7	150.7	155.5
85°	43.1	47.8	38.3	50.2	64.5	62.2	71.8	81.3	83.7	83.7	78.9
87.5°	26.3	21.5	11.9	19.1	28.7	28.7	33.5	35.8	33.5	33.5	33.5
90°	19.6	13.6	7.5	13.6	19.6	21.1	33.1	49.2	57.2	50.9	38.1
92.5°	132.6	81.4	30.1	81.4	132.6	145.4	204.3	283.0	322.2	282.4	202.8
95°	259.7	166.0	72.3	166.0	259.7	283.1	502.7	795.5	942.0	840.6	637.8
97.5°	290.4	207.6	125.0	207.6	290.4	311.0	677.2	1165.5	1409.6	1345.5	1217.4
100°	315.6	240.6	165.6	240.6	315.6	334.4	740.7	1282.5	1553.4	1558.1	1567.5
102.5°	340.2	270.2	200.3	270.2	340.2	357.6	769.7	1319.3	1594.1	1675.7	1839.1
105°	377.5	318.3	259.1	318.3	377.5	392.3	791.4	1323.5	1589.6	1772.6	2138.7
107.5°	429.7	374.5	319.3	374.5	429.7	443.5	795.5	1264.6	1499.2	1754.6	2265.3
110°	459.6	409.8	359.9	409.8	459.6	472.1	789.4	1212.4	1423.9	1709.4	2280.3



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	494.9	447.3	399.8	447.3	494.9	506.8	789.7	1166.8	1355.4	1647.6	2231.9
115°	547.8	503.9	460.1	503.9	547.8	558.8	796.9	1114.5	1273.3	1554.8	2117.7
117.5°	599.2	559.4	519.6	559.4	599.2	609.2	811.7	1081.8	1216.8	1470.8	1978.9
120°	629.2	591.7	554.2	591.7	629.2	638.5	823.8	1070.8	1194.3	1426.4	1890.5
122.5°	663.8	625.9	588.1	625.9	663.8	673.2	841.1	1064.9	1176.9	1385.9	1803.9
125°	709.0	674.5	640.0	674.5	709.0	717.6	864.4	1060.2	1158.1	1335.7	1690.8
127.5°	751.8	717.0	682.2	717.0	751.8	760.5	887.8	1057.5	1142.3	1294.7	1599.6
130°	779.7	742.2	704.8	742.2	779.7	789.1	904.8	1059.1	1136.2	1271.9	1543.4
132.5°	803.1	765.6	728.1	765.6	803.1	812.5	918.6	1060.2	1131.0	1252.5	1495.4
135°	831.1	796.9	762.8	796.9	831.1	839.6	933.8	1059.2	1121.9	1223.7	1427.2
137.5°	865.8	831.9	798.2	831.9	865.8	874.2	956.3	1065.7	1120.4	1206.4	1378.5
140°	889.8	858.6	827.5	858.6	889.8	897.6	970.1	1066.8	1115.2	1189.5	1338.1
142.5°	907.7	878.9	850.1	878.9	907.7	914.8	981.6	1070.6	1115.2	1180.4	1310.9
145°	935.0	909.9	884.8	909.9	935.0	941.3	996.8	1070.7	1107.6	1161.1	1267.8
147.5°	968.3	943.8	919.4	943.8	968.3	974.4	1018.8	1078.0	1107.6	1149.6	1233.6
150°	986.2	964.1	942.0	964.1	986.2	991.7	1030.3	1081.8	1107.6	1143.1	1214.1
152.5°	998.8	982.1	965.4	982.1	998.8	1003.0	1037.9	1084.4	1107.6	1138.0	1198.5
155°	1024.7	1012.3	999.9	1012.3	1024.7	1027.8	1054.4	1089.9	1107.6	1131.7	1180.0
157.5°	1049.7	1037.6	1025.5	1037.6	1049.7	1052.7	1071.0	1095.4	1107.6	1126.4	1163.9
160°	1061.7	1052.3	1042.9	1052.3	1061.7	1064.0	1078.6	1098.0	1107.6	1123.8	1155.9
162.5°	1074.3	1067.3	1060.2	1067.3	1074.3	1076.1	1086.6	1100.6	1107.6	1121.2	1148.3
165°	1091.7	1085.4	1079.0	1085.4	1091.7	1093.3	1098.1	1104.5	1107.6	1117.3	1136.8
167.5°	1102.4	1099.3	1096.3	1099.3	1102.4	1103.1	1107.1	1112.4	1115.2	1121.5	1134.3
170°	1113.7	1110.6	1107.6	1110.6	1113.7	1114.4	1114.7	1115.0	1115.2	1121.5	1134.3
172.5°	1115.0	1114.3	1113.7	1114.3	1115.0	1115.2	1115.2	1115.2	1115.2	1120.2	1130.3
175°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1119.7	1116.7	1115.2	1118.3	1124.7
177.5°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1120.2	1117.9	1116.7	1119.2	1124.2
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2439.7	2432.5	2442.1	2415.8	2442.1	2432.5	2439.7	2456.4	2442.1	2451.6	2461.2
5°	2140.7	2128.8	2090.5	2059.4	2090.5	2128.8	2140.7	2190.9	2214.8	2257.9	2315.3
7.5°	1913.5	1903.9	1894.3	1875.2	1894.3	1903.9	1913.5	1927.8	1951.8	1990.0	2033.1
10°	1863.3	1865.6	1880.0	1877.6	1880.0	1865.6	1863.3	1858.5	1851.3	1858.5	1884.8
12.5°	1992.4	2014.0	2092.9	2088.1	2092.9	2014.0	1992.4	1896.8	1832.1	1820.2	1825.0
15°	2140.7	2147.9	2164.6	2167.0	2164.6	2147.9	2140.7	2102.4	1908.7	1825.0	1798.6
17.5°	2155.1	2157.5	2169.4	2169.4	2169.4	2157.5	2155.1	2138.4	2073.7	1961.3	1813.0
20°	2143.1	2147.9	2171.8	2176.6	2171.8	2147.9	2143.1	2121.6	2085.7	2045.0	1932.6
22.5°	2138.4	2147.9	2167.0	2164.6	2167.0	2147.9	2138.4	2104.9	2073.7	2045.0	1999.6
25°	2114.4	2114.4	2116.8	2119.2	2116.8	2114.4	2114.4	2088.1	2025.9	2018.7	1992.4
27.5°	2064.2	2068.9	2083.3	2081.0	2083.3	2068.9	2064.2	2054.6	1987.6	1980.5	1961.3
30°	2018.7	2014.0	2001.9	1992.4	2001.9	2014.0	2018.7	2004.4	1937.4	1918.3	1923.0
32.5°	1942.2	1930.3	1918.3	1911.1	1918.3	1930.3	1942.2	1937.4	1887.2	1860.8	1865.6
35°	1851.3	1853.7	1851.3	1844.1	1851.3	1853.7	1851.3	1856.1	1825.0	1801.1	1798.6
37.5°	1786.7	1791.5	1789.1	1779.5	1789.1	1791.5	1786.7	1781.9	1738.9	1731.8	1736.5
40°	1719.7	1722.2	1719.7	1712.6	1719.7	1722.2	1719.7	1710.2	1650.4	1652.7	1669.5
42.5°	1655.2	1652.7	1645.6	1640.8	1645.6	1652.7	1655.2	1640.8	1564.3	1557.1	1588.2
45°	1581.0	1583.4	1569.1	1561.9	1569.1	1583.4	1581.0	1571.5	1492.5	1473.4	1494.9
47.5°	1506.9	1506.9	1494.9	1487.7	1494.9	1506.9	1506.9	1494.9	1411.2	1392.0	1404.0
50°	1428.0	1425.5	1408.8	1406.4	1408.8	1425.5	1428.0	1420.7	1332.3	1315.6	1315.6
52.5°	1337.0	1337.0	1339.5	1344.3	1339.5	1337.0	1337.0	1339.5	1260.5	1243.8	1239.0
55°	1258.1	1260.5	1277.3	1282.1	1277.3	1260.5	1258.1	1258.1	1186.4	1169.6	1160.1
57.5°	1176.8	1176.8	1188.7	1188.7	1188.7	1176.8	1176.8	1172.0	1102.7	1088.3	1083.5
60°	1083.5	1088.3	1097.9	1095.5	1097.9	1088.3	1083.5	1078.8	1018.9	1009.3	992.6
62.5°	985.4	990.2	992.6	987.8	992.6	990.2	985.4	971.1	935.2	928.1	906.5
65°	882.6	887.4	889.8	885.0	889.8	887.4	882.6	875.4	849.1	837.2	818.0
67.5°	777.4	775.0	772.6	782.1	772.6	775.0	777.4	767.8	751.0	741.5	715.2
70°	669.7	669.7	667.3	672.1	667.3	669.7	669.7	662.6	653.0	645.8	621.8
72.5°	555.0	552.5	562.1	555.0	562.1	552.5	555.0	552.5	547.7	540.6	516.7
75°	442.5	447.2	442.5	449.7	442.5	447.2	442.5	444.9	442.5	437.7	421.0
77.5°	337.3	342.1	337.3	337.3	337.3	342.1	337.3	339.6	339.6	339.6	325.3
80°	239.1	236.8	236.8	234.4	236.8	236.8	239.1	239.1	241.6	236.8	232.0
82.5°	153.1	150.7	150.7	155.5	150.7	150.7	153.1	155.5	150.7	150.7	150.7
85°	83.7	86.1	81.3	81.3	81.3	86.1	83.7	78.9	83.7	83.7	81.3
87.5°	31.1	28.7	28.7	28.7	28.7	28.7	31.1	33.5	33.5	33.5	35.8
90°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	38.1	50.9	57.2	49.2
92.5°	143.1	137.4	114.7	91.9	114.7	137.4	143.1	202.8	282.4	322.2	283.0
95°	485.7	468.5	399.5	330.6	399.5	468.5	485.7	637.8	840.6	942.0	795.5
97.5°	1121.2	1088.5	957.2	826.0	957.2	1088.5	1121.2	1217.4	1345.5	1409.6	1165.5
100°	1574.5	1535.4	1379.2	1222.9	1379.2	1535.4	1574.5	1567.5	1558.1	1553.4	1282.5
102.5°	1961.6	1928.1	1794.2	1660.3	1794.2	1928.1	1961.6	1839.1	1675.7	1594.1	1319.3
105°	2413.3	2395.3	2323.4	2251.4	2323.4	2395.3	2413.3	2138.7	1772.6	1589.6	1323.5
107.5°	2648.2	2652.6	2670.0	2687.4	2670.0	2652.6	2648.2	2265.3	1754.6	1499.2	1264.6
110°	2708.5	2727.3	2802.2	2877.1	2802.2	2727.3	2708.5	2280.3	1709.4	1423.9	1212.4



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2670.1	2698.9	2814.0	2929.1	2814.0	2698.9	2670.1	2231.9	1647.6	1355.4	1166.8
115°	2539.9	2579.8	2739.4	2899.0	2739.4	2579.8	2539.9	2117.7	1554.8	1273.3	1114.5
117.5°	2359.8	2404.1	2581.2	2758.2	2581.2	2404.1	2359.8	1978.9	1470.8	1216.8	1081.8
120°	2238.6	2281.6	2453.7	2625.7	2453.7	2281.6	2238.6	1890.5	1426.4	1194.3	1070.8
122.5°	2117.4	2159.9	2329.5	2499.1	2329.5	2159.9	2117.4	1803.9	1385.9	1176.9	1064.9
125°	1957.0	1996.2	2152.4	2308.7	2152.4	1996.2	1957.0	1690.8	1335.7	1158.1	1060.2
127.5°	1828.2	1861.2	1993.1	2125.0	1993.1	1861.2	1828.2	1599.6	1294.7	1142.3	1057.5
130°	1747.0	1777.4	1899.2	2021.0	1899.2	1777.4	1747.0	1543.4	1271.9	1136.2	1059.1
132.5°	1677.6	1704.9	1814.0	1923.1	1814.0	1704.9	1677.6	1495.4	1252.5	1131.0	1060.2
135°	1579.8	1603.3	1697.4	1791.4	1697.4	1603.3	1579.8	1427.2	1223.7	1121.9	1059.2
137.5°	1507.5	1526.7	1603.7	1680.7	1603.7	1526.7	1507.5	1378.5	1206.4	1120.4	1065.7
140°	1449.5	1467.5	1539.4	1611.4	1539.4	1467.5	1449.5	1338.1	1189.5	1115.2	1066.8
142.5°	1408.9	1424.4	1486.3	1548.2	1486.3	1424.4	1408.9	1310.9	1180.4	1115.2	1070.6
145°	1347.9	1359.6	1406.4	1453.2	1406.4	1359.6	1347.9	1267.8	1161.1	1107.6	1070.7
147.5°	1296.6	1306.3	1345.2	1384.0	1345.2	1306.3	1296.6	1233.6	1149.6	1107.6	1078.0
150°	1267.3	1275.2	1306.6	1338.1	1306.6	1275.2	1267.3	1214.1	1143.1	1107.6	1081.8
152.5°	1244.0	1249.9	1273.7	1297.4	1273.7	1249.9	1244.0	1198.5	1138.0	1107.6	1084.4
155°	1216.1	1220.0	1235.7	1251.5	1235.7	1220.0	1216.1	1180.0	1131.7	1107.6	1089.9
157.5°	1192.0	1194.7	1205.8	1216.8	1205.8	1194.7	1192.0	1163.9	1126.4	1107.6	1095.4
160°	1180.0	1181.6	1187.9	1194.3	1187.9	1181.6	1180.0	1155.9	1123.8	1107.6	1098.0
162.5°	1168.7	1170.2	1176.2	1182.2	1176.2	1170.2	1168.7	1148.3	1121.2	1107.6	1100.6
165°	1151.4	1153.0	1159.3	1165.7	1159.3	1153.0	1151.4	1136.8	1117.3	1107.6	1104.5
167.5°	1143.8	1144.4	1147.1	1149.8	1147.1	1144.4	1143.8	1134.3	1121.5	1115.2	1112.4
170°	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1134.3	1121.5	1115.2	1115.0
172.5°	1137.8	1137.2	1134.9	1132.5	1134.9	1137.2	1137.8	1130.3	1120.2	1115.2	1115.2
175°	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1124.7	1118.3	1115.2	1116.7
177.5°	1128.0	1127.4	1124.7	1121.9	1124.7	1127.4	1128.0	1124.2	1119.2	1116.7	1117.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2497.1	2509.1	2516.3	2525.9	2549.7
5°	2401.4	2446.8	2461.2	2497.1	2540.2
7.5°	2190.9	2329.7	2367.9	2454.1	2521.1
10°	1987.6	2126.4	2193.3	2396.7	2497.1
12.5°	1884.8	1966.1	2011.5	2296.2	2463.6
15°	1820.2	1877.6	1911.1	2162.2	2425.4
17.5°	1770.0	1810.7	1834.6	2030.7	2372.7
20°	1738.9	1758.0	1779.5	1935.1	2313.0
22.5°	1717.4	1705.4	1722.2	1868.1	2231.6
25°	1703.0	1657.5	1676.7	1815.4	2135.9
27.5°	1715.0	1614.5	1621.7	1767.6	2035.4
30°	1717.4	1561.9	1564.3	1717.4	1923.0
32.5°	1700.6	1506.9	1509.3	1655.2	1796.3
35°	1660.0	1442.3	1439.9	1583.4	1624.0
37.5°	1604.9	1372.9	1372.9	1504.5	1435.1
40°	1538.0	1303.5	1310.8	1401.6	1267.7
42.5°	1456.7	1229.4	1239.0	1265.3	1143.3
45°	1368.2	1157.7	1164.9	1069.2	1047.6
47.5°	1270.1	1083.5	1085.9	887.4	1016.6
50°	1152.9	1007.0	997.4	760.6	1014.1
52.5°	1050.0	923.3	894.6	688.8	920.9
55°	949.6	834.7	772.6	633.9	853.9
57.5°	861.1	720.0	660.1	569.3	839.5
60°	779.7	607.5	562.1	499.9	770.2
62.5°	712.8	523.8	514.2	452.0	698.4
65°	641.0	466.4	464.0	411.4	593.2
67.5°	571.7	428.1	425.8	373.1	452.0
70°	497.5	387.5	382.7	332.5	334.8
72.5°	421.0	342.1	337.3	299.0	277.4
75°	344.4	289.4	287.0	260.7	224.8
77.5°	270.3	229.6	234.4	210.4	165.0
80°	193.7	167.5	172.3	150.7	124.4
82.5°	129.2	110.1	114.8	95.7	83.7
85°	71.8	62.2	64.5	50.2	38.3
87.5°	33.5	28.7	28.7	19.1	11.9
90°	33.1	21.1	19.6	13.6	7.5
92.5°	204.3	145.4	132.6	81.4	30.1
95°	502.7	283.1	259.7	166.0	72.3
97.5°	677.2	311.0	290.4	207.6	125.0
100°	740.7	334.4	315.6	240.6	165.6
102.5°	769.7	357.6	340.2	270.2	200.3
105°	791.4	392.3	377.5	318.3	259.1
107.5°	795.5	443.5	429.7	374.5	319.3
110°	789.4	472.1	459.6	409.8	359.9



TEST NUMBER: P935267

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	789.7	506.8	494.9	447.3	399.8
115°	796.9	558.8	547.8	503.9	460.1
117.5°	811.7	609.2	599.2	559.4	519.6
120°	823.8	638.5	629.2	591.7	554.2
122.5°	841.1	673.2	663.8	625.9	588.1
125°	864.4	717.6	709.0	674.5	640.0
127.5°	887.8	760.5	751.8	717.0	682.2
130°	904.8	789.1	779.7	742.2	704.8
132.5°	918.6	812.5	803.1	765.6	728.1
135°	933.8	839.6	831.1	796.9	762.8
137.5°	956.3	874.2	865.8	831.9	798.2
140°	970.1	897.6	889.8	858.6	827.5
142.5°	981.6	914.8	907.7	878.9	850.1
145°	996.8	941.3	935.0	909.9	884.8
147.5°	1018.8	974.4	968.3	943.8	919.4
150°	1030.3	991.7	986.2	964.1	942.0
152.5°	1037.9	1003.0	998.8	982.1	965.4
155°	1054.4	1027.8	1024.7	1012.3	999.9
157.5°	1071.0	1052.7	1049.7	1037.6	1025.5
160°	1078.6	1064.0	1061.7	1052.3	1042.9
162.5°	1086.6	1076.1	1074.3	1067.3	1060.2
165°	1098.1	1093.3	1091.7	1085.4	1079.0
167.5°	1107.1	1103.1	1102.4	1099.3	1096.3
170°	1114.7	1114.4	1113.7	1110.6	1107.6
172.5°	1115.2	1115.2	1115.0	1114.3	1113.7
175°	1119.7	1121.9	1121.9	1121.9	1121.9
177.5°	1120.2	1121.9	1121.9	1121.9	1121.9
180°	1121.9	1121.9	1121.9	1121.9	1121.9



TEST NUMBER: P935267  
 CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-4000K

**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	13.12	13.96	14.10	14.95	16.26	15.96	16.79	16.93	17.79	19.09
	3H	13.59	14.34	14.58	15.35	16.68	17.30	18.05	18.29	19.05	20.38
	4H	13.78	14.49	14.79	15.50	16.84	17.75	18.46	18.75	19.46	20.80
	6H	13.90	14.56	14.91	15.57	16.92	18.03	18.69	19.05	19.70	21.05
	8H	13.90	14.53	14.92	15.55	16.90	18.11	18.73	19.13	19.76	21.10
	12H	13.87	14.46	14.90	15.48	16.86	18.15	18.74	19.17	19.76	21.13
4H	2H	14.15	14.86	15.16	15.87	17.20	16.36	17.07	17.37	18.08	19.41
	3H	15.17	15.77	16.19	16.80	18.15	17.87	18.46	18.89	19.49	20.84
	4H	15.45	15.99	16.48	17.02	18.39	18.40	18.94	19.42	19.96	21.34
	6H	15.57	16.04	16.61	17.09	18.46	18.76	19.23	19.80	20.28	21.65
	8H	15.58	16.01	16.62	17.06	18.44	18.87	19.31	19.91	20.35	21.73
	12H	15.54	15.94	16.60	16.99	18.39	18.93	19.32	19.98	20.38	21.77
8H	4H	15.90	16.34	16.94	17.38	18.77	18.52	18.95	19.56	20.00	21.38
	6H	16.16	16.52	17.23	17.61	18.99	18.96	19.32	20.02	20.40	21.78
	8H	16.21	16.52	17.27	17.59	18.99	19.11	19.43	20.18	20.49	21.90
	12H	16.19	16.47	17.26	17.53	18.97	19.21	19.49	20.28	20.55	21.99
12H	4H	15.91	16.30	16.96	17.36	18.75	18.48	18.88	19.54	19.93	21.32
	6H	16.22	16.54	17.29	17.61	19.01	18.95	19.27	20.02	20.34	21.74
	8H	16.29	16.57	17.36	17.63	19.08	19.12	19.39	20.19	20.46	21.90