

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: P935266

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

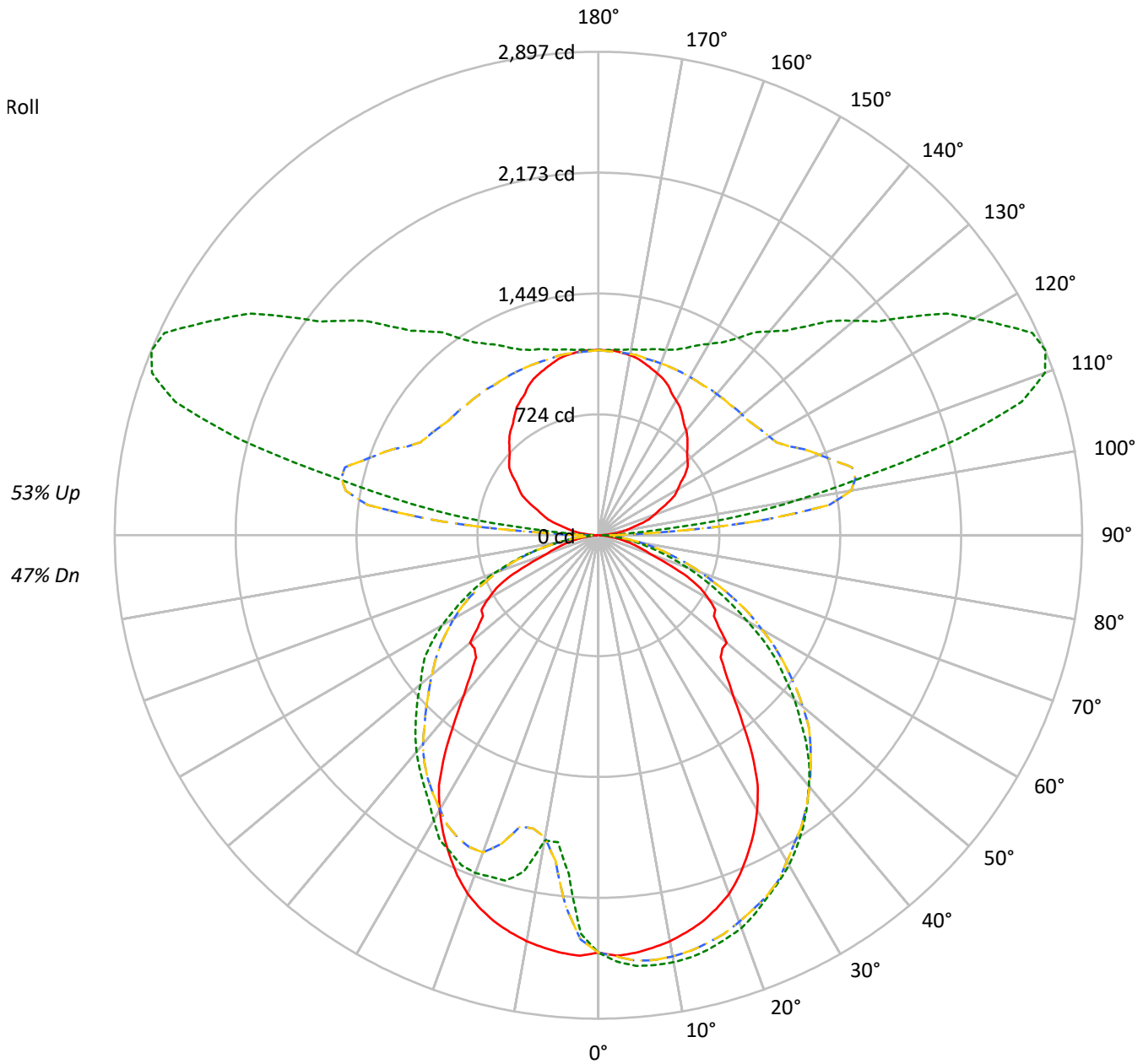
Test Method: LM-79-2019  
Report Number: P935266  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13682.2 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: 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: P935266  
CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**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°	11602	11602	11602	11602
5°	11689	11712	11689	9209
10°	11611	11537	11611	8248
15°	11485	11287	11485	9425
20°	11245	10991	11245	9445
25°	10753	10559	10753	9244
30°	10117	10200	10117	8805
35°	9020	9747	9020	8322
40°	7516	9213	7516	7957
45°	6715	8588	6715	7538
50°	7134	7842	7134	7116
55°	6712	7039	6712	6873
60°	6919	5979	6919	6295
65°	6273	4942	6273	5524
70°	4344	3939	4344	4631
75°	3809	2912	3809	3487
80°	3069	1925	3069	2096
85°	1765	1019	1765	866

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10292 cd/sqm



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.7	1.6
10°-20°	640.9	4.7
20°-30°	990.7	7.2
30°-40°	1182.7	8.6
40°-50°	1189.7	8.7
50°-60°	1035.1	7.6
60°-70°	733.9	5.4
70°-80°	388.3	2.8
80°-90°	100.9	0.7
90°-100°	541.0	4.0
100°-110°	1422.2	10.4
110°-120°	1474.7	10.8
120°-130°	1182.9	8.6
130°-140°	928.1	6.8
140°-150°	712.4	5.2
150°-160°	513.0	3.7
160°-170°	313.9	2.3
170°-180°	106.0	0.8
0°-30°	1857.4	13.6
0°-40°	3040.1	22.2
0°-60°	5264.9	38.5
0°-90°	6488.1	47.4
90°-120°	3437.8	25.1
90°-150°	6261.1	45.8
90°-180°	7194.0	52.6
0°-180°	13682.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2501	2501	2501	2501	2501	
5°	2512	2591	2512	2037	2512	238
15°	2399	2567	2399	2144	2399	675
25°	2113	2394	2113	2096	2113	970
35°	1606	2136	1606	1824	1606	994
45°	1036	1760	1036	1545	1036	830
55°	845	1299	845	1268	845	776
65°	587	783	587	875	587	561
75°	222	372	222	445	222	234
85°	38	95	38	80	38	51
90°	7	28	7	28	7	8
95°	72	327	72	327	72	79
105°	256	2227	256	2227	256	272
115°	455	2868	455	2868	455	449
125°	633	2284	633	2284	633	562
135°	754	1772	754	1772	754	584
145°	875	1437	875	1437	875	548
155°	989	1238	989	1238	989	454
165°	1067	1153	1067	1153	1067	301
175°	1110	1117	1110	1117	1110	105
180°	1110	1110	1110	1110	1110	



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2522.0	2522.0	2536.2	2540.9	2540.9	2533.8	2526.7	2533.8	2555.1	2562.2	2559.9
5°	2512.5	2531.4	2557.5	2562.2	2566.9	2564.5	2559.9	2564.5	2588.3	2593.0	2595.3
7.5°	2493.6	2529.1	2562.2	2569.3	2576.4	2569.3	2566.9	2571.7	2595.3	2600.1	2600.1
10°	2469.9	2519.6	2557.5	2562.2	2569.3	2562.2	2562.2	2571.7	2595.3	2600.1	2602.4
12.5°	2436.8	2505.4	2540.9	2545.6	2555.1	2552.7	2550.4	2559.9	2583.5	2588.3	2588.3
15°	2399.0	2479.4	2512.5	2517.3	2533.8	2529.1	2529.1	2538.6	2564.5	2571.7	2569.3
17.5°	2346.9	2446.3	2484.1	2491.2	2503.0	2500.7	2503.0	2512.5	2536.2	2540.9	2543.3
20°	2287.8	2401.3	2446.3	2453.3	2465.2	2465.2	2465.2	2477.1	2500.7	2510.2	2510.2
22.5°	2207.3	2354.0	2401.3	2406.1	2420.2	2420.2	2425.0	2441.5	2462.8	2465.2	2465.2
25°	2112.7	2301.9	2342.1	2356.4	2370.6	2377.7	2384.8	2394.2	2401.3	2399.0	2401.3
27.5°	2013.3	2235.7	2287.8	2297.2	2316.2	2323.2	2332.7	2335.1	2337.5	2344.6	2339.8
30°	1902.1	2143.5	2221.5	2231.0	2261.7	2266.5	2257.0	2261.7	2273.6	2278.3	2283.0
32.5°	1776.7	2006.2	2153.0	2174.2	2202.6	2188.4	2186.0	2193.2	2212.0	2212.0	2216.8
35°	1606.4	1899.8	2089.0	2107.9	2129.2	2112.7	2122.2	2124.5	2136.4	2143.5	2141.0
37.5°	1419.5	1807.5	2022.8	2037.0	2053.6	2032.3	2046.4	2053.6	2063.0	2058.3	2058.3
40°	1253.9	1663.2	1944.7	1954.2	1968.3	1951.8	1966.0	1970.8	1975.5	1970.8	1968.3
42.5°	1130.9	1504.7	1861.9	1873.7	1864.3	1876.1	1880.9	1890.3	1883.2	1873.7	1873.7
45°	1036.2	1462.0	1772.0	1786.2	1772.0	1791.0	1798.1	1798.1	1776.7	1772.0	1769.7
47.5°	1005.5	1376.9	1682.1	1682.1	1675.0	1698.7	1710.5	1693.9	1672.6	1665.5	1665.5
50°	1003.1	1282.3	1559.1	1549.6	1582.7	1611.1	1599.3	1582.7	1566.2	1540.1	1540.1
52.5°	910.9	1166.3	1400.5	1436.1	1488.1	1504.7	1485.8	1469.2	1440.8	1429.0	1419.5
55°	844.6	1045.7	1256.3	1327.2	1381.6	1403.0	1367.4	1350.9	1308.3	1301.2	1296.5
57.5°	830.4	870.6	1123.8	1213.7	1279.9	1277.5	1256.3	1225.5	1190.0	1182.9	1180.6
60°	761.8	629.3	981.8	1088.3	1156.9	1149.8	1130.9	1102.5	1069.4	1064.6	1059.9
62.5°	690.8	456.6	820.9	941.6	1038.6	1036.2	1019.7	977.1	953.4	941.6	932.1
65°	586.7	383.3	584.4	783.1	922.7	927.4	891.9	861.2	835.1	820.9	818.6
67.5°	447.1	312.3	395.1	653.0	811.5	806.8	761.8	747.6	714.5	707.4	693.2
70°	331.2	208.2	274.4	529.9	702.6	690.8	655.4	638.8	608.0	591.4	582.0
72.5°	274.4	168.0	201.1	411.7	591.4	577.3	546.5	527.6	501.6	487.3	477.9
75°	222.4	177.5	153.8	305.2	480.2	470.8	442.4	423.5	402.2	383.3	385.6
77.5°	163.2	165.6	123.0	224.7	380.9	366.7	350.2	326.5	317.0	298.1	298.1
80°	123.0	130.1	92.3	153.8	274.4	274.4	260.3	243.7	227.1	217.7	217.7
82.5°	82.8	82.8	68.6	97.0	186.9	179.8	170.4	165.6	156.1	151.4	151.4
85°	37.9	47.3	42.6	59.2	101.7	106.5	106.5	101.7	99.4	94.6	97.0
87.5°	11.8	21.3	26.1	33.1	52.0	54.4	56.8	56.8	56.8	59.2	59.2
90°	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7	28.3	28.3
92.5°	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6	141.5	135.9
95°	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8	480.4	463.4
97.5°	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1	1109.0	1076.6
100°	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4	1557.4	1518.7
102.5°	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1	1940.2	1907.1
105°	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4	2387.1	2369.3
107.5°	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6	2619.4	2623.7
110°	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5	2679.0	2697.6



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6	2641.1	2669.6
115°	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7	2512.2	2551.7
117.5°	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3	2334.2	2377.9
120°	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9	2214.3	2256.8
122.5°	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3	2094.4	2136.4
125°	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4	1935.8	1974.4
127.5°	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2	1808.4	1840.9
130°	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6	1728.0	1758.0
132.5°	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1	1659.4	1686.3
135°	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6	1562.6	1585.9
137.5°	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5	1491.1	1510.1
140°	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5	1433.8	1451.6
142.5°	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7	1393.6	1408.9
145°	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0	1333.2	1344.8
147.5°	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2	1282.5	1292.1
150°	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9	1253.5	1261.3
152.5°	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5	1230.4	1236.3
155°	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1	1202.9	1206.7
157.5°	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2	1179.0	1181.7
160°	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3	1167.1	1168.7
162.5°	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8	1155.9	1157.5
165°	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4	1138.8	1140.4
167.5°	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9	1131.3	1131.9
170°	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9	1131.3	1131.3
172.5°	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0	1125.4	1124.9
175°	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4	1117.2	1117.2
177.5°	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0	1115.7	1115.1
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2564.5	2557.5	2564.5	2559.9	2562.2	2555.1	2533.8	2526.7	2533.8	2540.9	2540.9
5°	2595.3	2590.6	2595.3	2595.3	2593.0	2588.3	2564.5	2559.9	2564.5	2566.9	2562.2
7.5°	2604.8	2597.7	2604.8	2600.1	2600.1	2595.3	2571.7	2566.9	2569.3	2576.4	2569.3
10°	2604.8	2597.7	2604.8	2602.4	2600.1	2595.3	2571.7	2562.2	2562.2	2569.3	2562.2
12.5°	2593.0	2588.3	2593.0	2588.3	2588.3	2583.5	2559.9	2550.4	2552.7	2555.1	2545.6
15°	2574.0	2566.9	2574.0	2569.3	2571.7	2564.5	2538.6	2529.1	2529.1	2533.8	2517.3
17.5°	2545.6	2536.2	2545.6	2543.3	2540.9	2536.2	2512.5	2503.0	2500.7	2503.0	2491.2
20°	2512.5	2505.4	2512.5	2510.2	2510.2	2500.7	2477.1	2465.2	2465.2	2465.2	2453.3
22.5°	2460.5	2453.3	2460.5	2465.2	2465.2	2462.8	2441.5	2425.0	2420.2	2420.2	2406.1
25°	2401.3	2394.2	2401.3	2401.3	2399.0	2401.3	2394.2	2384.8	2377.7	2370.6	2356.4
27.5°	2344.6	2339.8	2344.6	2339.8	2344.6	2337.5	2335.1	2332.7	2323.2	2316.2	2297.2
30°	2287.8	2283.0	2287.8	2283.0	2278.3	2273.6	2261.7	2257.0	2266.5	2261.7	2231.0
32.5°	2216.8	2212.0	2216.8	2216.8	2212.0	2212.0	2193.2	2186.0	2188.4	2202.6	2174.2
35°	2143.5	2136.4	2143.5	2141.0	2143.5	2136.4	2124.5	2122.2	2112.7	2129.2	2107.9
37.5°	2058.3	2051.2	2058.3	2058.3	2058.3	2063.0	2053.6	2046.4	2032.3	2053.6	2037.0
40°	1970.8	1961.3	1970.8	1968.3	1970.8	1975.5	1970.8	1966.0	1951.8	1968.3	1954.2
42.5°	1871.4	1869.1	1871.4	1873.7	1873.7	1883.2	1890.3	1880.9	1876.1	1864.3	1873.7
45°	1764.9	1760.2	1764.9	1769.7	1772.0	1776.7	1798.1	1798.1	1791.0	1772.0	1786.2
47.5°	1651.3	1639.5	1651.3	1665.5	1665.5	1672.6	1693.9	1710.5	1698.7	1675.0	1682.1
50°	1530.7	1533.0	1530.7	1540.1	1540.1	1566.2	1582.7	1599.3	1611.1	1582.7	1549.6
52.5°	1412.4	1410.0	1412.4	1419.5	1429.0	1440.8	1469.2	1485.8	1504.7	1488.1	1436.1
55°	1294.1	1298.8	1294.1	1296.5	1301.2	1308.3	1350.9	1367.4	1403.0	1381.6	1327.2
57.5°	1175.8	1168.7	1175.8	1180.6	1182.9	1190.0	1225.5	1256.3	1277.5	1279.9	1213.7
60°	1038.6	1029.2	1038.6	1059.9	1064.6	1069.4	1102.5	1130.9	1149.8	1156.9	1088.3
62.5°	918.0	901.4	918.0	932.1	941.6	953.4	977.1	1019.7	1036.2	1038.6	941.6
65°	790.2	783.1	790.2	818.6	820.9	835.1	861.2	891.9	927.4	922.7	783.1
67.5°	674.3	674.3	674.3	693.2	707.4	714.5	747.6	761.8	806.8	811.5	653.0
70°	567.8	565.5	567.8	582.0	591.4	608.0	638.8	655.4	690.8	702.6	529.9
72.5°	466.1	463.7	466.1	477.9	487.3	501.6	527.6	546.5	577.3	591.4	411.7
75°	376.2	371.5	376.2	385.6	383.3	402.2	423.5	442.4	470.8	480.2	305.2
77.5°	288.6	288.6	288.6	298.1	298.1	317.0	326.5	350.2	366.7	380.9	224.7
80°	215.3	212.9	215.3	217.7	217.7	227.1	243.7	260.3	274.4	274.4	153.8
82.5°	151.4	146.7	151.4	151.4	151.4	156.1	165.6	170.4	179.8	186.9	97.0
85°	94.6	94.6	94.6	97.0	94.6	99.4	101.7	106.5	106.5	101.7	59.2
87.5°	61.5	59.2	61.5	59.2	59.2	56.8	56.8	56.8	54.4	52.0	33.1
90°	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6	32.8	20.9
92.5°	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9	202.1	143.8
95°	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9	497.3	280.1
97.5°	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8	669.9	307.6
100°	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6	732.6	330.7
102.5°	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9	761.4	353.7
105°	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1	782.8	388.0
107.5°	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8	786.8	438.7
110°	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2	780.8	467.0





TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1	781.1	501.3
115°	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4	788.2	552.7
117.5°	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0	802.9	602.5
120°	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2	814.8	631.6
122.5°	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3	831.9	665.8
125°	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7	855.0	709.8
127.5°	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0	878.1	752.2
130°	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6	895.0	780.5
132.5°	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7	908.7	803.6
135°	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7	923.6	830.5
137.5°	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1	945.9	864.7
140°	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2	959.5	887.8
142.5°	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0	971.0	904.9
145°	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1	985.9	931.0
147.5°	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3	1007.8	963.8
150°	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1	1019.1	980.9
152.5°	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6	1026.6	992.1
155°	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0	1042.9	1016.6
157.5°	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5	1059.3	1041.2
160°	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0	1066.9	1052.4
162.5°	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6	1074.7	1064.3
165°	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5	1086.2	1081.4
167.5°	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3	1095.1	1091.1
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8	1102.6	1102.3
172.5°	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5	1107.5	1109.7
177.5°	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7	1108.0	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2536.2	2522.0	2522.0	2498.4	2488.9	2481.8	2469.9	2434.4	2425.0	2415.6	2429.7
5°	2557.5	2531.4	2512.5	2469.9	2434.4	2420.2	2375.3	2290.1	2233.4	2190.7	2167.1
7.5°	2562.2	2529.1	2493.6	2427.4	2342.1	2304.4	2167.1	2011.0	1968.3	1930.6	1906.8
10°	2557.5	2519.6	2469.9	2370.6	2169.4	2103.3	1966.0	1864.3	1838.3	1831.2	1838.3
12.5°	2540.9	2505.4	2436.8	2271.2	1989.7	1944.7	1864.3	1805.1	1800.4	1812.2	1876.1
15°	2512.5	2479.4	2399.0	2138.7	1890.3	1857.1	1800.4	1779.1	1805.1	1887.9	2079.5
17.5°	2484.1	2446.3	2346.9	2008.6	1814.6	1791.0	1750.7	1793.3	1940.0	2051.2	2115.1
20°	2446.3	2401.3	2287.8	1914.0	1760.2	1738.9	1720.0	1911.6	2022.8	2063.0	2098.5
22.5°	2401.3	2354.0	2207.3	1847.7	1703.4	1686.9	1698.7	1977.8	2022.8	2051.2	2082.0
25°	2342.1	2301.9	2112.7	1795.6	1658.5	1639.5	1684.4	1970.8	1996.7	2003.9	2065.4
27.5°	2287.8	2235.7	2013.3	1748.4	1604.0	1597.0	1696.3	1940.0	1958.9	1966.0	2032.3
30°	2221.5	2143.5	1902.1	1698.7	1547.3	1544.9	1698.7	1902.1	1897.4	1916.3	1982.6
32.5°	2153.0	2006.2	1776.7	1637.2	1492.8	1490.5	1682.1	1845.3	1840.6	1866.6	1916.3
35°	2089.0	1899.8	1606.4	1566.2	1424.3	1426.6	1641.9	1779.1	1781.5	1805.1	1835.9
37.5°	2022.8	1807.5	1419.5	1488.1	1358.0	1358.0	1587.5	1717.6	1712.9	1720.0	1762.5
40°	1944.7	1663.2	1253.9	1386.4	1296.5	1289.3	1521.2	1651.3	1634.8	1632.4	1691.6
42.5°	1861.9	1504.7	1130.9	1251.6	1225.5	1216.0	1440.8	1570.9	1540.1	1547.3	1622.9
45°	1772.0	1462.0	1036.2	1057.5	1152.2	1145.1	1353.3	1478.6	1457.4	1476.3	1554.4
47.5°	1682.1	1376.9	1005.5	877.8	1074.1	1071.7	1256.3	1388.7	1376.9	1395.9	1478.6
50°	1559.1	1282.3	1003.1	752.3	986.5	996.0	1140.4	1301.2	1301.2	1317.8	1405.3
52.5°	1400.5	1166.3	910.9	681.3	884.8	913.2	1038.6	1225.5	1230.2	1246.8	1324.9
55°	1256.3	1045.7	844.6	627.0	764.1	825.7	939.3	1147.4	1156.9	1173.5	1244.4
57.5°	1123.8	870.6	830.4	563.1	653.0	712.1	851.7	1071.7	1076.4	1090.7	1159.2
60°	981.8	629.3	761.8	494.5	556.0	600.9	771.2	981.8	998.4	1007.9	1067.0
62.5°	820.9	456.6	690.8	447.1	508.6	518.1	705.1	896.7	918.0	925.0	960.5
65°	584.4	383.3	586.7	406.9	458.9	461.4	634.1	809.1	828.1	839.9	865.9
67.5°	395.1	312.3	447.1	369.0	421.2	423.5	565.5	707.4	733.4	742.8	759.4
70°	274.4	208.2	331.2	328.8	378.5	383.3	492.1	615.1	638.8	645.9	655.4
72.5°	201.1	168.0	274.4	295.7	333.6	338.3	416.4	511.0	534.7	541.8	546.5
75°	153.8	177.5	222.4	257.8	283.9	286.2	340.7	416.4	433.0	437.7	440.0
77.5°	123.0	165.6	163.2	208.2	231.9	227.1	267.3	321.8	335.9	335.9	335.9
80°	92.3	130.1	123.0	149.1	170.4	165.6	191.6	229.5	234.2	239.0	236.5
82.5°	68.6	82.8	82.8	94.6	113.5	108.9	127.8	149.1	149.1	149.1	153.8
85°	42.6	47.3	37.9	49.7	63.8	61.5	71.0	80.4	82.8	82.8	78.1
87.5°	26.1	21.3	11.8	18.9	28.4	28.4	33.1	35.5	33.1	33.1	33.1
90°	19.3	13.4	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7
92.5°	131.2	80.5	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6
95°	256.9	164.2	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8
97.5°	287.2	205.4	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1
100°	312.2	238.0	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4
102.5°	336.5	267.3	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1
105°	373.3	314.8	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4
107.5°	425.0	370.4	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6
110°	454.6	405.3	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	489.6	442.5	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6
115°	541.8	498.4	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7
117.5°	592.7	553.3	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3
120°	622.3	585.3	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9
122.5°	656.5	619.1	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3
125°	701.3	667.2	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4
127.5°	743.6	709.2	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2
130°	771.2	734.2	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6
132.5°	794.3	757.3	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1
135°	822.1	788.2	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6
137.5°	856.4	822.9	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5
140°	880.1	849.3	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5
142.5°	897.8	869.3	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7
145°	924.9	900.0	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0
147.5°	957.7	933.5	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2
150°	975.4	953.6	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9
152.5°	988.0	971.4	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5
155°	1013.6	1001.3	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1
157.5°	1038.3	1026.3	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2
160°	1050.1	1040.9	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3
162.5°	1062.6	1055.7	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8
165°	1079.8	1073.6	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4
167.5°	1090.4	1087.4	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9
170°	1101.6	1098.5	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9
172.5°	1102.8	1102.2	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0
175°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4
177.5°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2413.1	2406.1	2415.6	2389.5	2415.6	2406.1	2413.1	2429.7	2415.6	2425.0	2434.4
5°	2117.4	2105.6	2067.7	2037.0	2067.7	2105.6	2117.4	2167.1	2190.7	2233.4	2290.1
7.5°	1892.7	1883.2	1873.7	1854.8	1873.7	1883.2	1892.7	1906.8	1930.6	1968.3	2011.0
10°	1843.0	1845.3	1859.6	1857.1	1859.6	1845.3	1843.0	1838.3	1831.2	1838.3	1864.3
12.5°	1970.8	1992.1	2070.1	2065.4	2070.1	1992.1	1970.8	1876.1	1812.2	1800.4	1805.1
15°	2117.4	2124.5	2141.0	2143.5	2141.0	2124.5	2117.4	2079.5	1887.9	1805.1	1779.1
17.5°	2131.6	2134.0	2145.8	2145.8	2145.8	2134.0	2131.6	2115.1	2051.2	1940.0	1793.3
20°	2119.8	2124.5	2148.2	2153.0	2148.2	2124.5	2119.8	2098.5	2063.0	2022.8	1911.6
22.5°	2115.1	2124.5	2143.5	2141.0	2143.5	2124.5	2115.1	2082.0	2051.2	2022.8	1977.8
25°	2091.4	2091.4	2093.8	2096.1	2093.8	2091.4	2091.4	2065.4	2003.9	1996.7	1970.8
27.5°	2041.8	2046.4	2060.7	2058.3	2060.7	2046.4	2041.8	2032.3	1966.0	1958.9	1940.0
30°	1996.7	1992.1	1980.2	1970.8	1980.2	1992.1	1996.7	1982.6	1916.3	1897.4	1902.1
32.5°	1921.1	1909.3	1897.4	1890.3	1897.4	1909.3	1921.1	1916.3	1866.6	1840.6	1845.3
35°	1831.2	1833.5	1831.2	1824.0	1831.2	1833.5	1831.2	1835.9	1805.1	1781.5	1779.1
37.5°	1767.3	1772.0	1769.7	1760.2	1769.7	1772.0	1767.3	1762.5	1720.0	1712.9	1717.6
40°	1701.0	1703.4	1701.0	1693.9	1701.0	1703.4	1701.0	1691.6	1632.4	1634.8	1651.3
42.5°	1637.2	1634.8	1627.7	1622.9	1627.7	1634.8	1637.2	1622.9	1547.3	1540.1	1570.9
45°	1563.8	1566.2	1552.0	1544.9	1552.0	1566.2	1563.8	1554.4	1476.3	1457.4	1478.6
47.5°	1490.5	1490.5	1478.6	1471.5	1478.6	1490.5	1490.5	1478.6	1395.9	1376.9	1388.7
50°	1412.4	1410.0	1393.5	1391.1	1393.5	1410.0	1412.4	1405.3	1317.8	1301.2	1301.2
52.5°	1322.5	1322.5	1324.9	1329.6	1324.9	1322.5	1322.5	1324.9	1246.8	1230.2	1225.5
55°	1244.4	1246.8	1263.4	1268.1	1263.4	1246.8	1244.4	1244.4	1173.5	1156.9	1147.4
57.5°	1164.0	1164.0	1175.8	1175.8	1175.8	1164.0	1164.0	1159.2	1090.7	1076.4	1071.7
60°	1071.7	1076.4	1085.9	1083.6	1085.9	1076.4	1071.7	1067.0	1007.9	998.4	981.8
62.5°	974.7	979.5	981.8	977.1	981.8	979.5	974.7	960.5	925.0	918.0	896.7
65°	873.0	877.8	880.1	875.3	880.1	877.8	873.0	865.9	839.9	828.1	809.1
67.5°	768.9	766.6	764.1	773.6	764.1	766.6	768.9	759.4	742.8	733.4	707.4
70°	662.4	662.4	660.0	664.8	660.0	662.4	662.4	655.4	645.9	638.8	615.1
72.5°	548.9	546.5	556.0	548.9	556.0	546.5	548.9	546.5	541.8	534.7	511.0
75°	437.7	442.4	437.7	444.8	437.7	442.4	437.7	440.0	437.7	433.0	416.4
77.5°	333.6	338.3	333.6	333.6	333.6	338.3	333.6	335.9	335.9	335.9	321.8
80°	236.5	234.2	234.2	231.9	234.2	234.2	236.5	236.5	239.0	234.2	229.5
82.5°	151.4	149.1	149.1	153.8	149.1	149.1	151.4	153.8	149.1	149.1	149.1
85°	82.8	85.1	80.4	80.4	80.4	85.1	82.8	78.1	82.8	82.8	80.4
87.5°	30.8	28.4	28.4	28.4	28.4	28.4	30.8	33.1	33.1	33.1	35.5
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6
92.5°	141.5	135.9	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9
95°	480.4	463.4	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9
97.5°	1109.0	1076.6	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8
100°	1557.4	1518.7	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6
102.5°	1940.2	1907.1	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9
105°	2387.1	2369.3	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1
107.5°	2619.4	2623.7	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8
110°	2679.0	2697.6	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2641.1	2669.6	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1
115°	2512.2	2551.7	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4
117.5°	2334.2	2377.9	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0
120°	2214.3	2256.8	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2
122.5°	2094.4	2136.4	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3
125°	1935.8	1974.4	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7
127.5°	1808.4	1840.9	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0
130°	1728.0	1758.0	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6
132.5°	1659.4	1686.3	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7
135°	1562.6	1585.9	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7
137.5°	1491.1	1510.1	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1
140°	1433.8	1451.6	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2
142.5°	1393.6	1408.9	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0
145°	1333.2	1344.8	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1
147.5°	1282.5	1292.1	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3
150°	1253.5	1261.3	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1
152.5°	1230.4	1236.3	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6
155°	1202.9	1206.7	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0
157.5°	1179.0	1181.7	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5
160°	1167.1	1168.7	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0
162.5°	1155.9	1157.5	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6
165°	1138.8	1140.4	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5
167.5°	1131.3	1131.9	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8
172.5°	1125.4	1124.9	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5
177.5°	1115.7	1115.1	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2469.9	2481.8	2488.9	2498.4	2522.0
5°	2375.3	2420.2	2434.4	2469.9	2512.5
7.5°	2167.1	2304.4	2342.1	2427.4	2493.6
10°	1966.0	2103.3	2169.4	2370.6	2469.9
12.5°	1864.3	1944.7	1989.7	2271.2	2436.8
15°	1800.4	1857.1	1890.3	2138.7	2399.0
17.5°	1750.7	1791.0	1814.6	2008.6	2346.9
20°	1720.0	1738.9	1760.2	1914.0	2287.8
22.5°	1698.7	1686.9	1703.4	1847.7	2207.3
25°	1684.4	1639.5	1658.5	1795.6	2112.7
27.5°	1696.3	1597.0	1604.0	1748.4	2013.3
30°	1698.7	1544.9	1547.3	1698.7	1902.1
32.5°	1682.1	1490.5	1492.8	1637.2	1776.7
35°	1641.9	1426.6	1424.3	1566.2	1606.4
37.5°	1587.5	1358.0	1358.0	1488.1	1419.5
40°	1521.2	1289.3	1296.5	1386.4	1253.9
42.5°	1440.8	1216.0	1225.5	1251.6	1130.9
45°	1353.3	1145.1	1152.2	1057.5	1036.2
47.5°	1256.3	1071.7	1074.1	877.8	1005.5
50°	1140.4	996.0	986.5	752.3	1003.1
52.5°	1038.6	913.2	884.8	681.3	910.9
55°	939.3	825.7	764.1	627.0	844.6
57.5°	851.7	712.1	653.0	563.1	830.4
60°	771.2	600.9	556.0	494.5	761.8
62.5°	705.1	518.1	508.6	447.1	690.8
65°	634.1	461.4	458.9	406.9	586.7
67.5°	565.5	423.5	421.2	369.0	447.1
70°	492.1	383.3	378.5	328.8	331.2
72.5°	416.4	338.3	333.6	295.7	274.4
75°	340.7	286.2	283.9	257.8	222.4
77.5°	267.3	227.1	231.9	208.2	163.2
80°	191.6	165.6	170.4	149.1	123.0
82.5°	127.8	108.9	113.5	94.6	82.8
85°	71.0	61.5	63.8	49.7	37.9
87.5°	33.1	28.4	28.4	18.9	11.8
90°	32.8	20.9	19.3	13.4	7.4
92.5°	202.1	143.8	131.2	80.5	29.8
95°	497.3	280.1	256.9	164.2	71.5
97.5°	669.9	307.6	287.2	205.4	123.6
100°	732.6	330.7	312.2	238.0	163.8
102.5°	761.4	353.7	336.5	267.3	198.1
105°	782.8	388.0	373.3	314.8	256.2
107.5°	786.8	438.7	425.0	370.4	315.8
110°	780.8	467.0	454.6	405.3	356.0



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	781.1	501.3	489.6	442.5	395.5
115°	788.2	552.7	541.8	498.4	455.1
117.5°	802.9	602.5	592.7	553.3	513.9
120°	814.8	631.6	622.3	585.3	548.2
122.5°	831.9	665.8	656.5	619.1	581.7
125°	855.0	709.8	701.3	667.2	633.1
127.5°	878.1	752.2	743.6	709.2	674.8
130°	895.0	780.5	771.2	734.2	697.1
132.5°	908.7	803.6	794.3	757.3	720.2
135°	923.6	830.5	822.1	788.2	754.5
137.5°	945.9	864.7	856.4	822.9	789.5
140°	959.5	887.8	880.1	849.3	818.5
142.5°	971.0	904.9	897.8	869.3	840.9
145°	985.9	931.0	924.9	900.0	875.2
147.5°	1007.8	963.8	957.7	933.5	909.4
150°	1019.1	980.9	975.4	953.6	931.8
152.5°	1026.6	992.1	988.0	971.4	954.9
155°	1042.9	1016.6	1013.6	1001.3	989.1
157.5°	1059.3	1041.2	1038.3	1026.3	1014.4
160°	1066.9	1052.4	1050.1	1040.9	1031.6
162.5°	1074.7	1064.3	1062.6	1055.7	1048.7
165°	1086.2	1081.4	1079.8	1073.6	1067.3
167.5°	1095.1	1091.1	1090.4	1087.4	1084.4
170°	1102.6	1102.3	1101.6	1098.5	1095.6
172.5°	1103.0	1103.0	1102.8	1102.2	1101.6
175°	1107.5	1109.7	1109.7	1109.7	1109.7
177.5°	1108.0	1109.7	1109.7	1109.7	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935266

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-8-3500K

**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	13.08	13.92	14.06	14.91	16.22	15.92	16.76	16.90	17.75	19.06
	3H	13.56	14.31	14.55	15.31	16.64	17.26	18.02	18.25	19.02	20.35
	4H	13.75	14.46	14.75	15.46	16.80	17.71	18.42	18.71	19.42	20.76
	6H	13.86	14.52	14.88	15.53	16.88	17.99	18.65	19.01	19.66	21.01
	8H	13.86	14.49	14.88	15.51	16.86	18.07	18.69	19.09	19.72	21.06
	12H	13.83	14.43	14.86	15.45	16.82	18.11	18.70	19.13	19.72	21.09
4H	2H	14.11	14.82	15.12	15.83	17.16	16.32	17.04	17.33	18.04	19.38
	3H	15.14	15.73	16.16	16.76	18.11	17.83	18.42	18.85	19.46	20.81
	4H	15.41	15.95	16.44	16.98	18.35	18.36	18.90	19.38	19.93	21.30
	6H	15.54	16.00	16.57	17.05	18.42	18.72	19.19	19.76	20.24	21.61
	8H	15.54	15.98	16.58	17.02	18.40	18.83	19.27	19.87	20.31	21.69
	12H	15.51	15.90	16.56	16.96	18.35	18.89	19.28	19.94	20.34	21.73
8H	4H	15.86	16.30	16.90	17.34	18.73	18.48	18.92	19.52	19.96	21.34
	6H	16.13	16.49	17.19	17.57	18.95	18.92	19.28	19.98	20.36	21.74
	8H	16.17	16.48	17.24	17.55	18.95	19.07	19.39	20.14	20.46	21.86
	12H	16.15	16.43	17.22	17.49	18.94	19.17	19.45	20.24	20.51	21.96
12H	4H	15.87	16.26	16.93	17.32	18.71	18.44	18.84	19.50	19.89	21.29
	6H	16.19	16.50	17.26	17.57	18.97	18.92	19.23	19.98	20.30	21.70
	8H	16.25	16.53	17.32	17.59	19.04	19.08	19.36	20.15	20.42	21.86