

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: P935245

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

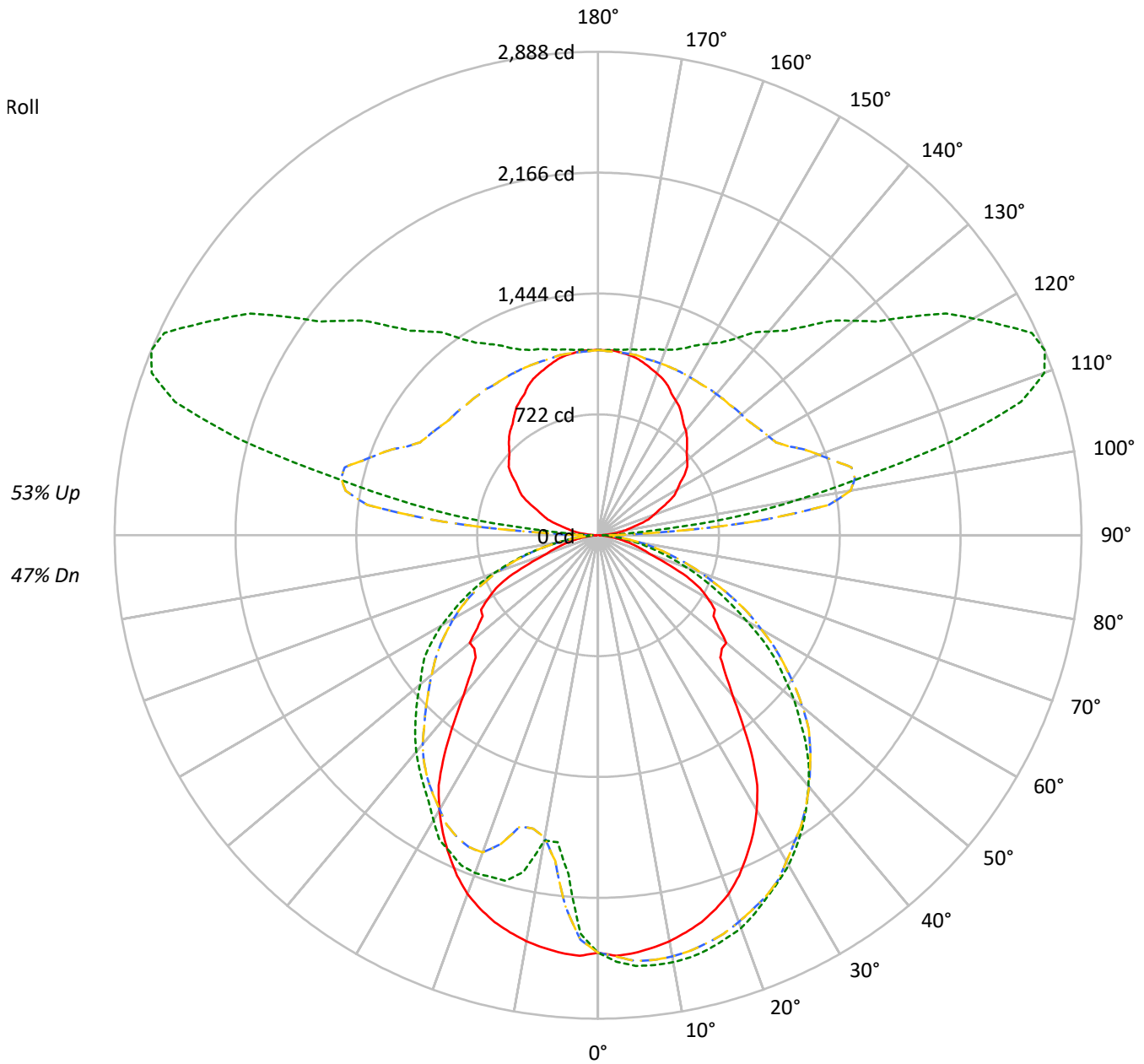
Test Method: LM-79-2019  
Report Number: P935245  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13641.0 lumens  
Efficiency: N/A  
Efficacy: 117.6 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

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### Luminous Intensity Polar Plot



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



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**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°	11567	11567	11567	11567
5°	11654	11677	11654	9182
10°	11576	11502	11576	8223
15°	11450	11253	11450	9396
20°	11211	10958	11211	9416
25°	10720	10527	10720	9216
30°	10087	10170	10087	8778
35°	8992	9718	8992	8297
40°	7493	9185	7493	7933
45°	6695	8562	6695	7515
50°	7113	7819	7113	7095
55°	6692	7018	6692	6852
60°	6898	5961	6898	6276
65°	6254	4928	6254	5508
70°	4331	3927	4331	4617
75°	3797	2903	3797	3476
80°	3059	1919	3059	2090
85°	1761	1016	1761	864

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10261 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.1	1.6
10°-20°	639.0	4.7
20°-30°	987.8	7.2
30°-40°	1179.2	8.6
40°-50°	1186.1	8.7
50°-60°	1032.0	7.6
60°-70°	731.7	5.4
70°-80°	387.1	2.8
80°-90°	100.6	0.7
90°-100°	539.3	4.0
100°-110°	1417.9	10.4
110°-120°	1470.2	10.8
120°-130°	1179.3	8.6
130°-140°	925.3	6.8
140°-150°	710.2	5.2
150°-160°	511.5	3.7
160°-170°	313.0	2.3
170°-180°	105.7	0.8
0°-30°	1851.8	13.6
0°-40°	3031.0	22.2
0°-60°	5249.1	38.5
0°-90°	6468.6	47.4
90°-120°	3427.5	25.1
90°-150°	6242.3	45.8
90°-180°	7172.0	52.6
0°-180°	13641.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2493	2493	2493	2493	2493	
5°	2505	2583	2505	2031	2505	238
15°	2392	2559	2392	2137	2392	673
25°	2106	2387	2106	2090	2106	967
35°	1602	2130	1602	1818	1602	991
45°	1033	1755	1033	1540	1033	828
55°	842	1295	842	1264	842	774
65°	585	781	585	873	585	559
75°	222	370	222	444	222	233
85°	38	94	38	80	38	51
90°	7	28	7	28	7	8
95°	71	326	71	326	71	79
105°	256	2220	256	2220	256	271
115°	454	2859	454	2859	454	448
125°	631	2277	631	2277	631	560
135°	752	1767	752	1767	752	582
145°	872	1433	872	1433	872	547
155°	986	1234	986	1234	986	453
165°	1064	1150	1064	1150	1064	300
175°	1106	1114	1106	1114	1106	105
180°	1106	1106	1106	1106	1106	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2514.4	2514.4	2528.5	2533.3	2533.3	2526.2	2519.2	2526.2	2547.4	2554.5	2552.2
5°	2505.0	2523.8	2549.8	2554.5	2559.2	2556.8	2552.2	2556.8	2580.5	2585.2	2587.5
7.5°	2486.1	2521.5	2554.5	2561.6	2568.7	2561.6	2559.2	2564.0	2587.5	2592.3	2592.3
10°	2462.5	2512.0	2549.8	2554.5	2561.6	2554.5	2554.5	2564.0	2587.5	2592.3	2594.6
12.5°	2429.4	2497.9	2533.3	2538.0	2547.4	2545.0	2542.7	2552.2	2575.7	2580.5	2580.5
15°	2391.8	2471.9	2505.0	2509.7	2526.2	2521.5	2521.5	2530.9	2556.8	2564.0	2561.6
17.5°	2339.8	2438.9	2476.7	2483.7	2495.5	2493.2	2495.5	2505.0	2528.5	2533.3	2535.7
20°	2280.9	2394.1	2438.9	2446.0	2457.8	2457.8	2457.8	2469.6	2493.2	2502.6	2502.6
22.5°	2200.7	2347.0	2394.1	2398.8	2412.9	2412.9	2417.7	2434.2	2455.4	2457.8	2457.8
25°	2106.3	2295.0	2335.1	2349.3	2363.5	2370.5	2377.6	2387.0	2394.1	2391.8	2394.1
27.5°	2007.2	2229.0	2280.9	2290.3	2309.2	2316.3	2325.7	2328.0	2330.5	2337.5	2332.8
30°	1896.4	2137.0	2214.9	2224.3	2254.9	2259.7	2250.2	2254.9	2266.7	2271.5	2276.2
32.5°	1771.4	2000.2	2146.5	2167.6	2195.9	2181.8	2179.4	2186.6	2205.4	2205.4	2210.1
35°	1601.5	1894.1	2082.8	2101.6	2122.8	2106.3	2115.8	2118.1	2130.0	2137.0	2134.6
37.5°	1415.2	1802.0	2016.7	2030.9	2047.4	2026.2	2040.3	2047.4	2056.8	2052.1	2052.1
40°	1250.1	1658.2	1938.9	1948.3	1962.4	1945.9	1960.1	1964.8	1969.6	1964.8	1962.4
42.5°	1127.5	1500.1	1856.3	1868.1	1858.7	1870.5	1875.2	1884.6	1877.5	1868.1	1868.1
45°	1033.1	1457.6	1766.7	1780.9	1766.7	1785.6	1792.6	1792.6	1771.4	1766.7	1764.4
47.5°	1002.5	1372.8	1677.1	1677.1	1670.0	1693.6	1705.4	1688.8	1667.6	1660.5	1660.5
50°	1000.1	1278.4	1554.4	1544.9	1578.0	1606.3	1594.5	1578.0	1561.5	1535.5	1535.5
52.5°	908.2	1162.8	1396.3	1431.8	1483.6	1500.1	1481.3	1464.8	1436.5	1424.7	1415.2
55°	842.1	1042.6	1252.5	1323.2	1377.5	1398.7	1363.3	1346.9	1304.4	1297.3	1292.6
57.5°	827.9	868.0	1120.4	1210.0	1276.1	1273.7	1252.5	1221.8	1186.5	1179.3	1177.0
60°	759.5	627.4	978.8	1085.0	1153.4	1146.3	1127.5	1099.2	1066.1	1061.4	1056.7
62.5°	688.7	455.2	818.4	938.8	1035.4	1033.1	1016.6	974.1	950.6	938.8	929.3
65°	584.9	382.1	582.6	780.8	919.9	924.6	889.2	858.6	832.6	818.4	816.1
67.5°	445.8	311.3	393.9	651.0	809.1	804.3	759.5	745.3	712.3	705.3	691.1
70°	330.2	207.5	273.6	528.3	700.5	688.7	653.4	636.9	606.2	589.7	580.2
72.5°	273.6	167.5	200.5	410.4	589.7	575.6	544.9	526.0	500.0	485.9	476.5
75°	221.7	176.9	153.4	304.3	478.8	469.4	441.0	422.2	401.0	382.1	384.5
77.5°	162.7	165.1	122.6	224.0	379.7	365.6	349.1	325.5	316.1	297.2	297.2
80°	122.6	129.7	92.0	153.4	273.6	273.6	259.5	243.0	226.5	217.0	217.0
82.5°	82.6	82.6	68.4	96.7	186.4	179.2	169.9	165.1	155.7	150.9	150.9
85°	37.8	47.1	42.5	59.0	101.4	106.1	106.1	101.4	99.1	94.3	96.7
87.5°	11.8	21.2	26.0	33.0	51.9	54.3	56.6	56.6	56.6	59.0	59.0
90°	7.4	13.4	19.3	20.8	32.7	48.5	56.4	50.2	37.6	28.2	28.2
92.5°	29.7	80.2	130.8	143.4	201.5	279.0	317.8	278.5	200.0	141.1	135.5
95°	71.3	163.7	256.1	279.2	495.8	784.5	928.9	829.0	628.9	479.0	462.0
97.5°	123.3	204.8	286.4	306.7	667.9	1149.3	1390.1	1326.9	1200.5	1105.7	1073.4
100°	163.3	237.3	311.3	329.7	730.4	1264.8	1531.9	1536.6	1545.8	1552.7	1514.2
102.5°	197.5	266.4	335.4	352.7	759.1	1301.0	1572.0	1652.5	1813.6	1934.4	1901.4
105°	255.5	313.8	372.2	386.9	780.4	1305.2	1567.5	1748.0	2109.1	2379.9	2362.1
107.5°	314.8	369.3	423.7	437.4	784.4	1247.1	1478.4	1730.3	2233.9	2611.5	2615.8
110°	354.9	404.1	453.3	465.6	778.5	1195.6	1404.2	1685.7	2248.7	2671.0	2689.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	394.3	441.1	488.1	499.8	778.7	1150.7	1336.6	1624.7	2200.9	2633.1	2661.5
115°	453.7	496.9	540.2	551.0	785.9	1099.1	1255.6	1533.3	2088.4	2504.7	2544.1
117.5°	512.4	551.6	590.9	600.7	800.5	1066.8	1199.9	1450.4	1951.4	2327.1	2370.8
120°	546.6	583.5	620.5	629.7	812.4	1056.0	1177.7	1406.6	1864.3	2207.6	2250.0
122.5°	579.9	617.2	654.6	663.8	829.4	1050.2	1160.6	1366.7	1778.9	2088.1	2130.0
125°	631.2	665.2	699.2	707.7	852.5	1045.5	1142.0	1317.2	1667.3	1929.9	1968.5
127.5°	672.8	707.0	741.4	750.0	875.5	1042.8	1126.5	1276.8	1577.4	1802.9	1835.4
130°	695.0	731.9	768.9	778.2	892.3	1044.5	1120.5	1254.3	1522.0	1722.8	1752.7
132.5°	718.0	755.0	791.9	801.2	905.9	1045.5	1115.3	1235.1	1474.7	1654.4	1681.2
135°	752.2	785.9	819.6	828.0	920.8	1044.5	1106.4	1206.7	1407.4	1557.9	1581.1
137.5°	787.1	820.4	853.8	862.1	943.1	1051.0	1104.9	1189.7	1359.4	1486.6	1505.6
140°	816.0	846.7	877.4	885.1	956.6	1052.0	1099.7	1173.0	1319.6	1429.4	1447.2
142.5°	838.3	866.7	895.1	902.2	968.0	1055.8	1099.7	1164.1	1292.8	1389.4	1404.6
145°	872.5	897.3	922.1	928.2	983.0	1055.9	1092.3	1145.0	1250.2	1329.2	1340.7
147.5°	906.6	930.7	954.8	960.9	1004.7	1063.1	1092.3	1133.7	1216.6	1278.7	1288.2
150°	928.9	950.7	972.5	978.0	1016.1	1066.9	1092.3	1127.3	1197.3	1249.8	1257.5
152.5°	952.0	968.5	985.0	989.1	1023.5	1069.4	1092.3	1122.2	1181.9	1226.7	1232.6
155°	986.1	998.3	1010.5	1013.6	1039.8	1074.8	1092.3	1116.0	1163.6	1199.2	1203.1
157.5°	1011.3	1023.2	1035.2	1038.1	1056.1	1080.2	1092.3	1110.8	1147.7	1175.5	1178.2
160°	1028.5	1037.8	1047.0	1049.3	1063.6	1082.7	1092.3	1108.2	1139.9	1163.6	1165.2
162.5°	1045.5	1052.5	1059.5	1061.1	1071.5	1085.3	1092.3	1105.7	1132.4	1152.5	1154.0
165°	1064.1	1070.3	1076.6	1078.2	1082.9	1089.2	1092.3	1101.9	1121.0	1135.4	1137.0
167.5°	1081.1	1084.1	1087.1	1087.8	1091.8	1097.0	1099.7	1106.0	1118.5	1127.9	1128.5
170°	1092.3	1095.2	1098.3	1099.0	1099.3	1099.5	1099.7	1106.0	1118.5	1127.9	1127.9
172.5°	1098.3	1098.9	1099.5	1099.7	1099.7	1099.7	1099.7	1104.7	1114.6	1122.0	1121.5
175°	1106.4	1106.4	1106.4	1106.4	1104.2	1101.2	1099.7	1102.8	1109.1	1113.8	1113.8
177.5°	1106.4	1106.4	1106.4	1106.4	1104.7	1102.4	1101.2	1103.7	1108.6	1112.4	1111.8
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935245

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2556.8	2549.8	2556.8	2552.2	2554.5	2547.4	2526.2	2519.2	2526.2	2533.3	2533.3
5°	2587.5	2582.8	2587.5	2587.5	2585.2	2580.5	2556.8	2552.2	2556.8	2559.2	2554.5
7.5°	2597.0	2589.8	2597.0	2592.3	2592.3	2587.5	2564.0	2559.2	2561.6	2568.7	2561.6
10°	2597.0	2589.8	2597.0	2594.6	2592.3	2587.5	2564.0	2554.5	2554.5	2561.6	2554.5
12.5°	2585.2	2580.5	2585.2	2580.5	2580.5	2575.7	2552.2	2542.7	2545.0	2547.4	2538.0
15°	2566.3	2559.2	2566.3	2561.6	2564.0	2556.8	2530.9	2521.5	2521.5	2526.2	2509.7
17.5°	2538.0	2528.5	2538.0	2535.7	2533.3	2528.5	2505.0	2495.5	2493.2	2495.5	2483.7
20°	2505.0	2497.9	2505.0	2502.6	2502.6	2493.2	2469.6	2457.8	2457.8	2457.8	2446.0
22.5°	2453.1	2446.0	2453.1	2457.8	2457.8	2455.4	2434.2	2417.7	2412.9	2412.9	2398.8
25°	2394.1	2387.0	2394.1	2394.1	2391.8	2394.1	2387.0	2377.6	2370.5	2363.5	2349.3
27.5°	2337.5	2332.8	2337.5	2332.8	2337.5	2330.5	2328.0	2325.7	2316.3	2309.2	2290.3
30°	2280.9	2276.2	2280.9	2276.2	2271.5	2266.7	2254.9	2250.2	2259.7	2254.9	2224.3
32.5°	2210.1	2205.4	2210.1	2210.1	2205.4	2205.4	2186.6	2179.4	2181.8	2195.9	2167.6
35°	2137.0	2130.0	2137.0	2134.6	2137.0	2130.0	2118.1	2115.8	2106.3	2122.8	2101.6
37.5°	2052.1	2045.0	2052.1	2052.1	2052.1	2056.8	2047.4	2040.3	2026.2	2047.4	2030.9
40°	1964.8	1955.4	1964.8	1962.4	1964.8	1969.6	1964.8	1960.1	1945.9	1962.4	1948.3
42.5°	1865.8	1863.4	1865.8	1868.1	1868.1	1877.5	1884.6	1875.2	1870.5	1858.7	1868.1
45°	1759.6	1754.9	1759.6	1764.4	1766.7	1771.4	1792.6	1792.6	1785.6	1766.7	1780.9
47.5°	1646.3	1634.6	1646.3	1660.5	1660.5	1667.6	1688.8	1705.4	1693.6	1670.0	1677.1
50°	1526.1	1528.4	1526.1	1535.5	1535.5	1561.5	1578.0	1594.5	1606.3	1578.0	1544.9
52.5°	1408.2	1405.8	1408.2	1415.2	1424.7	1436.5	1464.8	1481.3	1500.1	1483.6	1431.8
55°	1290.2	1294.9	1290.2	1292.6	1297.3	1304.4	1346.9	1363.3	1398.7	1377.5	1323.2
57.5°	1172.3	1165.2	1172.3	1177.0	1179.3	1186.5	1221.8	1252.5	1273.7	1276.1	1210.0
60°	1035.4	1026.1	1035.4	1056.7	1061.4	1066.1	1099.2	1127.5	1146.3	1153.4	1085.0
62.5°	915.2	898.7	915.2	929.3	938.8	950.6	974.1	1016.6	1033.1	1035.4	938.8
65°	787.8	780.8	787.8	816.1	818.4	832.6	858.6	889.2	924.6	919.9	780.8
67.5°	672.2	672.2	672.2	691.1	705.3	712.3	745.3	759.5	804.3	809.1	651.0
70°	566.1	563.8	566.1	580.2	589.7	606.2	636.9	653.4	688.7	700.5	528.3
72.5°	464.7	462.3	464.7	476.5	485.9	500.0	526.0	544.9	575.6	589.7	410.4
75°	375.1	370.3	375.1	384.5	382.1	401.0	422.2	441.0	469.4	478.8	304.3
77.5°	287.8	287.8	287.8	297.2	297.2	316.1	325.5	349.1	365.6	379.7	224.0
80°	214.7	212.3	214.7	217.0	217.0	226.5	243.0	259.5	273.6	273.6	153.4
82.5°	150.9	146.2	150.9	150.9	150.9	155.7	165.1	169.9	179.2	186.4	96.7
85°	94.3	94.3	94.3	96.7	94.3	99.1	101.4	106.1	106.1	101.4	59.0
87.5°	61.3	59.0	61.3	59.0	59.0	56.6	56.6	56.6	54.3	51.9	33.0
90°	28.2	28.2	28.2	28.2	28.2	37.6	50.2	56.4	48.5	32.7	20.8
92.5°	113.1	90.6	113.1	135.5	141.1	200.0	278.5	317.8	279.0	201.5	143.4
95°	394.0	326.0	394.0	462.0	479.0	628.9	829.0	928.9	784.5	495.8	279.2
97.5°	943.9	814.6	943.9	1073.4	1105.7	1200.5	1326.9	1390.1	1149.3	667.9	306.7
100°	1360.1	1205.9	1360.1	1514.2	1552.7	1545.8	1536.6	1531.9	1264.8	730.4	329.7
102.5°	1769.4	1637.3	1769.4	1901.4	1934.4	1813.6	1652.5	1572.0	1301.0	759.1	352.7
105°	2291.2	2220.2	2291.2	2362.1	2379.9	2109.1	1748.0	1567.5	1305.2	780.4	386.9
107.5°	2633.1	2650.2	2633.1	2615.8	2611.5	2233.9	1730.3	1478.4	1247.1	784.4	437.4
110°	2763.4	2837.3	2763.4	2689.5	2671.0	2248.7	1685.7	1404.2	1195.6	778.5	465.6





TEST NUMBER: P935245

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2775.0	2888.5	2775.0	2661.5	2633.1	2200.9	1624.7	1336.6	1150.7	778.7	499.8
115°	2701.4	2858.9	2701.4	2544.1	2504.7	2088.4	1533.3	1255.6	1099.1	785.9	551.0
117.5°	2545.4	2720.0	2545.4	2370.8	2327.1	1951.4	1450.4	1199.9	1066.8	800.5	600.7
120°	2419.7	2589.3	2419.7	2250.0	2207.6	1864.3	1406.6	1177.7	1056.0	812.4	629.7
122.5°	2297.2	2464.5	2297.2	2130.0	2088.1	1778.9	1366.7	1160.6	1050.2	829.4	663.8
125°	2122.6	2276.7	2122.6	1968.5	1929.9	1667.3	1317.2	1142.0	1045.5	852.5	707.7
127.5°	1965.5	2095.5	1965.5	1835.4	1802.9	1577.4	1276.8	1126.5	1042.8	875.5	750.0
130°	1872.9	1993.0	1872.9	1752.7	1722.8	1522.0	1254.3	1120.5	1044.5	892.3	778.2
132.5°	1788.9	1896.5	1788.9	1681.2	1654.4	1474.7	1235.1	1115.3	1045.5	905.9	801.2
135°	1673.8	1766.6	1673.8	1581.1	1557.9	1407.4	1206.7	1106.4	1044.5	920.8	828.0
137.5°	1581.5	1657.4	1581.5	1505.6	1486.6	1359.4	1189.7	1104.9	1051.0	943.1	862.1
140°	1518.1	1589.0	1518.1	1447.2	1429.4	1319.6	1173.0	1099.7	1052.0	956.6	885.1
142.5°	1465.7	1526.7	1465.7	1404.6	1389.4	1292.8	1164.1	1099.7	1055.8	968.0	902.2
145°	1387.0	1433.1	1387.0	1340.7	1329.2	1250.2	1145.0	1092.3	1055.9	983.0	928.2
147.5°	1326.5	1364.8	1326.5	1288.2	1278.7	1216.6	1133.7	1092.3	1063.1	1004.7	960.9
150°	1288.5	1319.6	1288.5	1257.5	1249.8	1197.3	1127.3	1092.3	1066.9	1016.1	978.0
152.5°	1256.0	1279.4	1256.0	1232.6	1226.7	1181.9	1122.2	1092.3	1069.4	1023.5	989.1
155°	1218.6	1234.1	1218.6	1203.1	1199.2	1163.6	1116.0	1092.3	1074.8	1039.8	1013.6
157.5°	1189.1	1199.9	1189.1	1178.2	1175.5	1147.7	1110.8	1092.3	1080.2	1056.1	1038.1
160°	1171.5	1177.7	1171.5	1165.2	1163.6	1139.9	1108.2	1092.3	1082.7	1063.6	1049.3
162.5°	1159.9	1165.9	1159.9	1154.0	1152.5	1132.4	1105.7	1092.3	1085.3	1071.5	1061.1
165°	1143.3	1149.5	1143.3	1137.0	1135.4	1121.0	1101.9	1092.3	1089.2	1082.9	1078.2
167.5°	1131.2	1133.9	1131.2	1128.5	1127.9	1118.5	1106.0	1099.7	1097.0	1091.8	1087.8
170°	1127.9	1127.9	1127.9	1127.9	1127.9	1118.5	1106.0	1099.7	1099.5	1099.3	1099.0
172.5°	1119.2	1116.8	1119.2	1121.5	1122.0	1114.6	1104.7	1099.7	1099.7	1099.7	1099.7
175°	1113.8	1113.8	1113.8	1113.8	1113.8	1109.1	1102.8	1099.7	1101.2	1104.2	1106.4
177.5°	1109.1	1106.4	1109.1	1111.8	1112.4	1108.6	1103.7	1101.2	1102.4	1104.7	1106.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935245

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2528.5	2514.4	2514.4	2490.9	2481.4	2474.3	2462.5	2427.1	2417.7	2408.3	2422.4
5°	2549.8	2523.8	2505.0	2462.5	2427.1	2412.9	2368.1	2283.2	2226.6	2184.2	2160.6
7.5°	2554.5	2521.5	2486.1	2420.1	2335.1	2297.4	2160.6	2004.9	1962.4	1924.8	1901.1
10°	2549.8	2512.0	2462.5	2363.5	2162.9	2096.9	1960.1	1858.7	1832.7	1825.7	1832.7
12.5°	2533.3	2497.9	2429.4	2264.4	1983.7	1938.9	1858.7	1799.7	1795.0	1806.8	1870.5
15°	2505.0	2471.9	2391.8	2132.3	1884.6	1851.6	1795.0	1773.7	1799.7	1882.3	2073.3
17.5°	2476.7	2438.9	2339.8	2002.6	1809.2	1785.6	1745.4	1787.9	1934.1	2045.0	2108.7
20°	2438.9	2394.1	2280.9	1908.2	1754.9	1733.6	1714.8	1905.8	2016.7	2056.8	2092.2
22.5°	2394.1	2347.0	2200.7	1842.2	1698.3	1681.8	1693.6	1971.9	2016.7	2045.0	2075.7
25°	2335.1	2295.0	2106.3	1790.2	1653.5	1634.6	1679.4	1964.8	1990.7	1997.9	2059.2
27.5°	2280.9	2229.0	2007.2	1743.1	1599.2	1592.2	1691.2	1934.1	1953.1	1960.1	2026.2
30°	2214.9	2137.0	1896.4	1693.6	1542.6	1540.2	1693.6	1896.4	1891.7	1910.6	1976.6
32.5°	2146.5	2000.2	1771.4	1632.2	1488.4	1486.0	1677.1	1839.8	1835.0	1861.0	1910.6
35°	2082.8	1894.1	1601.5	1561.5	1420.0	1422.3	1637.0	1773.7	1776.1	1799.7	1830.4
37.5°	2016.7	1802.0	1415.2	1483.6	1353.9	1353.9	1582.7	1712.4	1707.8	1714.8	1757.2
40°	1938.9	1658.2	1250.1	1382.2	1292.6	1285.5	1516.7	1646.3	1629.8	1627.5	1686.5
42.5°	1856.3	1500.1	1127.5	1247.8	1221.8	1212.4	1436.5	1566.2	1535.5	1542.6	1618.1
45°	1766.7	1457.6	1033.1	1054.4	1148.7	1141.7	1349.2	1474.2	1453.0	1471.8	1549.7
47.5°	1677.1	1372.8	1002.5	875.1	1070.9	1068.5	1252.5	1384.5	1372.8	1391.7	1474.2
50°	1554.4	1278.4	1000.1	750.1	983.6	993.0	1136.9	1297.3	1297.3	1313.8	1401.1
52.5°	1396.3	1162.8	908.2	679.3	882.2	910.5	1035.4	1221.8	1226.5	1243.1	1320.9
55°	1252.5	1042.6	842.1	625.1	761.9	823.2	936.4	1144.0	1153.4	1170.0	1240.7
57.5°	1120.4	868.0	827.9	561.4	651.0	710.0	849.1	1068.5	1073.2	1087.4	1155.8
60°	978.8	627.4	759.5	493.0	554.3	599.1	768.9	978.8	995.4	1004.8	1063.8
62.5°	818.4	455.2	688.7	445.8	507.1	516.6	702.9	894.0	915.2	922.3	957.6
65°	582.6	382.1	584.9	405.7	457.6	460.0	632.2	806.7	825.6	837.4	863.3
67.5°	393.9	311.3	445.8	367.9	419.9	422.2	563.8	705.3	731.2	740.6	757.1
70°	273.6	207.5	330.2	327.9	377.4	382.1	490.6	613.2	636.9	643.9	653.4
72.5°	200.5	167.5	273.6	294.8	332.6	337.3	415.2	509.5	533.1	540.1	544.9
75°	153.4	176.9	221.7	257.1	283.0	285.4	339.6	415.2	431.7	436.4	438.7
77.5°	122.6	165.1	162.7	207.5	231.2	226.5	266.5	320.8	334.9	334.9	334.9
80°	92.0	129.7	122.6	148.6	169.9	165.1	191.0	228.8	233.5	238.2	235.8
82.5°	68.4	82.6	82.6	94.3	113.2	108.5	127.4	148.6	148.6	148.6	153.4
85°	42.5	47.1	37.8	49.5	63.6	61.3	70.8	80.2	82.6	82.6	77.8
87.5°	26.0	21.2	11.8	18.8	28.3	28.3	33.0	35.3	33.0	33.0	33.0
90°	19.3	13.4	7.4	13.4	19.3	20.8	32.7	48.5	56.4	50.2	37.6
92.5°	130.8	80.2	29.7	80.2	130.8	143.4	201.5	279.0	317.8	278.5	200.0
95°	256.1	163.7	71.3	163.7	256.1	279.2	495.8	784.5	928.9	829.0	628.9
97.5°	286.4	204.8	123.3	204.8	286.4	306.7	667.9	1149.3	1390.1	1326.9	1200.5
100°	311.3	237.3	163.3	237.3	311.3	329.7	730.4	1264.8	1531.9	1536.6	1545.8
102.5°	335.4	266.4	197.5	266.4	335.4	352.7	759.1	1301.0	1572.0	1652.5	1813.6
105°	372.2	313.8	255.5	313.8	372.2	386.9	780.4	1305.2	1567.5	1748.0	2109.1
107.5°	423.7	369.3	314.8	369.3	423.7	437.4	784.4	1247.1	1478.4	1730.3	2233.9
110°	453.3	404.1	354.9	404.1	453.3	465.6	778.5	1195.6	1404.2	1685.7	2248.7



TEST NUMBER: P935245

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	488.1	441.1	394.3	441.1	488.1	499.8	778.7	1150.7	1336.6	1624.7	2200.9
115°	540.2	496.9	453.7	496.9	540.2	551.0	785.9	1099.1	1255.6	1533.3	2088.4
117.5°	590.9	551.6	512.4	551.6	590.9	600.7	800.5	1066.8	1199.9	1450.4	1951.4
120°	620.5	583.5	546.6	583.5	620.5	629.7	812.4	1056.0	1177.7	1406.6	1864.3
122.5°	654.6	617.2	579.9	617.2	654.6	663.8	829.4	1050.2	1160.6	1366.7	1778.9
125°	699.2	665.2	631.2	665.2	699.2	707.7	852.5	1045.5	1142.0	1317.2	1667.3
127.5°	741.4	707.0	672.8	707.0	741.4	750.0	875.5	1042.8	1126.5	1276.8	1577.4
130°	768.9	731.9	695.0	731.9	768.9	778.2	892.3	1044.5	1120.5	1254.3	1522.0
132.5°	791.9	755.0	718.0	755.0	791.9	801.2	905.9	1045.5	1115.3	1235.1	1474.7
135°	819.6	785.9	752.2	785.9	819.6	828.0	920.8	1044.5	1106.4	1206.7	1407.4
137.5°	853.8	820.4	787.1	820.4	853.8	862.1	943.1	1051.0	1104.9	1189.7	1359.4
140°	877.4	846.7	816.0	846.7	877.4	885.1	956.6	1052.0	1099.7	1173.0	1319.6
142.5°	895.1	866.7	838.3	866.7	895.1	902.2	968.0	1055.8	1099.7	1164.1	1292.8
145°	922.1	897.3	872.5	897.3	922.1	928.2	983.0	1055.9	1092.3	1145.0	1250.2
147.5°	954.8	930.7	906.6	930.7	954.8	960.9	1004.7	1063.1	1092.3	1133.7	1216.6
150°	972.5	950.7	928.9	950.7	972.5	978.0	1016.1	1066.9	1092.3	1127.3	1197.3
152.5°	985.0	968.5	952.0	968.5	985.0	989.1	1023.5	1069.4	1092.3	1122.2	1181.9
155°	1010.5	998.3	986.1	998.3	1010.5	1013.6	1039.8	1074.8	1092.3	1116.0	1163.6
157.5°	1035.2	1023.2	1011.3	1023.2	1035.2	1038.1	1056.1	1080.2	1092.3	1110.8	1147.7
160°	1047.0	1037.8	1028.5	1037.8	1047.0	1049.3	1063.6	1082.7	1092.3	1108.2	1139.9
162.5°	1059.5	1052.5	1045.5	1052.5	1059.5	1061.1	1071.5	1085.3	1092.3	1105.7	1132.4
165°	1076.6	1070.3	1064.1	1070.3	1076.6	1078.2	1082.9	1089.2	1092.3	1101.9	1121.0
167.5°	1087.1	1084.1	1081.1	1084.1	1087.1	1087.8	1091.8	1097.0	1099.7	1106.0	1118.5
170°	1098.3	1095.2	1092.3	1095.2	1098.3	1099.0	1099.3	1099.5	1099.7	1106.0	1118.5
172.5°	1099.5	1098.9	1098.3	1098.9	1099.5	1099.7	1099.7	1099.7	1099.7	1104.7	1114.6
175°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1104.2	1101.2	1099.7	1102.8	1109.1
177.5°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1104.7	1102.4	1101.2	1103.7	1108.6
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935245

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2405.9	2398.8	2408.3	2382.3	2408.3	2398.8	2405.9	2422.4	2408.3	2417.7	2427.1
5°	2111.0	2099.3	2061.5	2030.9	2061.5	2099.3	2111.0	2160.6	2184.2	2226.6	2283.2
7.5°	1887.0	1877.5	1868.1	1849.2	1868.1	1877.5	1887.0	1901.1	1924.8	1962.4	2004.9
10°	1837.5	1839.8	1854.0	1851.6	1854.0	1839.8	1837.5	1832.7	1825.7	1832.7	1858.7
12.5°	1964.8	1986.1	2063.9	2059.2	2063.9	1986.1	1964.8	1870.5	1806.8	1795.0	1799.7
15°	2111.0	2118.1	2134.6	2137.0	2134.6	2118.1	2111.0	2073.3	1882.3	1799.7	1773.7
17.5°	2125.2	2127.6	2139.3	2139.3	2139.3	2127.6	2125.2	2108.7	2045.0	1934.1	1787.9
20°	2113.5	2118.1	2141.8	2146.5	2141.8	2118.1	2113.5	2092.2	2056.8	2016.7	1905.8
22.5°	2108.7	2118.1	2137.0	2134.6	2137.0	2118.1	2108.7	2075.7	2045.0	2016.7	1971.9
25°	2085.1	2085.1	2087.5	2089.8	2087.5	2085.1	2085.1	2059.2	1997.9	1990.7	1964.8
27.5°	2035.6	2040.3	2054.5	2052.1	2054.5	2040.3	2035.6	2026.2	1960.1	1953.1	1934.1
30°	1990.7	1986.1	1974.2	1964.8	1974.2	1986.1	1990.7	1976.6	1910.6	1891.7	1896.4
32.5°	1915.3	1903.5	1891.7	1884.6	1891.7	1903.5	1915.3	1910.6	1861.0	1835.0	1839.8
35°	1825.7	1828.0	1825.7	1818.5	1825.7	1828.0	1825.7	1830.4	1799.7	1776.1	1773.7
37.5°	1761.9	1766.7	1764.4	1754.9	1764.4	1766.7	1761.9	1757.2	1714.8	1707.8	1712.4
40°	1695.9	1698.3	1695.9	1688.8	1695.9	1698.3	1695.9	1686.5	1627.5	1629.8	1646.3
42.5°	1632.2	1629.8	1622.8	1618.1	1622.8	1629.8	1632.2	1618.1	1542.6	1535.5	1566.2
45°	1559.1	1561.5	1547.4	1540.2	1547.4	1561.5	1559.1	1549.7	1471.8	1453.0	1474.2
47.5°	1486.0	1486.0	1474.2	1467.1	1474.2	1486.0	1486.0	1474.2	1391.7	1372.8	1384.5
50°	1408.2	1405.8	1389.3	1387.0	1389.3	1405.8	1408.2	1401.1	1313.8	1297.3	1297.3
52.5°	1318.5	1318.5	1320.9	1325.6	1320.9	1318.5	1318.5	1320.9	1243.1	1226.5	1221.8
55°	1240.7	1243.1	1259.6	1264.3	1259.6	1243.1	1240.7	1240.7	1170.0	1153.4	1144.0
57.5°	1160.5	1160.5	1172.3	1172.3	1172.3	1160.5	1160.5	1155.8	1087.4	1073.2	1068.5
60°	1068.5	1073.2	1082.7	1080.3	1082.7	1073.2	1068.5	1063.8	1004.8	995.4	978.8
62.5°	971.8	976.5	978.8	974.1	978.8	976.5	971.8	957.6	922.3	915.2	894.0
65°	870.4	875.1	877.4	872.7	877.4	875.1	870.4	863.3	837.4	825.6	806.7
67.5°	766.6	764.3	761.9	771.3	761.9	764.3	766.6	757.1	740.6	731.2	705.3
70°	660.4	660.4	658.0	662.8	658.0	660.4	660.4	653.4	643.9	636.9	613.2
72.5°	547.3	544.9	554.3	547.3	554.3	544.9	547.3	544.9	540.1	533.1	509.5
75°	436.4	441.0	436.4	443.5	436.4	441.0	436.4	438.7	436.4	431.7	415.2
77.5°	332.6	337.3	332.6	332.6	332.6	337.3	332.6	334.9	334.9	334.9	320.8
80°	235.8	233.5	233.5	231.2	233.5	233.5	235.8	235.8	238.2	233.5	228.8
82.5°	150.9	148.6	148.6	153.4	148.6	148.6	150.9	153.4	148.6	148.6	148.6
85°	82.6	84.9	80.2	80.2	80.2	84.9	82.6	77.8	82.6	82.6	80.2
87.5°	30.7	28.3	28.3	28.3	28.3	28.3	30.7	33.0	33.0	33.0	35.3
90°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	37.6	50.2	56.4	48.5
92.5°	141.1	135.5	113.1	90.6	113.1	135.5	141.1	200.0	278.5	317.8	279.0
95°	479.0	462.0	394.0	326.0	394.0	462.0	479.0	628.9	829.0	928.9	784.5
97.5°	1105.7	1073.4	943.9	814.6	943.9	1073.4	1105.7	1200.5	1326.9	1390.1	1149.3
100°	1552.7	1514.2	1360.1	1205.9	1360.1	1514.2	1552.7	1545.8	1536.6	1531.9	1264.8
102.5°	1934.4	1901.4	1769.4	1637.3	1769.4	1901.4	1934.4	1813.6	1652.5	1572.0	1301.0
105°	2379.9	2362.1	2291.2	2220.2	2291.2	2362.1	2379.9	2109.1	1748.0	1567.5	1305.2
107.5°	2611.5	2615.8	2633.1	2650.2	2633.1	2615.8	2611.5	2233.9	1730.3	1478.4	1247.1
110°	2671.0	2689.5	2763.4	2837.3	2763.4	2689.5	2671.0	2248.7	1685.7	1404.2	1195.6



TEST NUMBER: P935245

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2633.1	2661.5	2775.0	2888.5	2775.0	2661.5	2633.1	2200.9	1624.7	1336.6	1150.7
115°	2504.7	2544.1	2701.4	2858.9	2701.4	2544.1	2504.7	2088.4	1533.3	1255.6	1099.1
117.5°	2327.1	2370.8	2545.4	2720.0	2545.4	2370.8	2327.1	1951.4	1450.4	1199.9	1066.8
120°	2207.6	2250.0	2419.7	2589.3	2419.7	2250.0	2207.6	1864.3	1406.6	1177.7	1056.0
122.5°	2088.1	2130.0	2297.2	2464.5	2297.2	2130.0	2088.1	1778.9	1366.7	1160.6	1050.2
125°	1929.9	1968.5	2122.6	2276.7	2122.6	1968.5	1929.9	1667.3	1317.2	1142.0	1045.5
127.5°	1802.9	1835.4	1965.5	2095.5	1965.5	1835.4	1802.9	1577.4	1276.8	1126.5	1042.8
130°	1722.8	1752.7	1872.9	1993.0	1872.9	1752.7	1722.8	1522.0	1254.3	1120.5	1044.5
132.5°	1654.4	1681.2	1788.9	1896.5	1788.9	1681.2	1654.4	1474.7	1235.1	1115.3	1045.5
135°	1557.9	1581.1	1673.8	1766.6	1673.8	1581.1	1557.9	1407.4	1206.7	1106.4	1044.5
137.5°	1486.6	1505.6	1581.5	1657.4	1581.5	1505.6	1486.6	1359.4	1189.7	1104.9	1051.0
140°	1429.4	1447.2	1518.1	1589.0	1518.1	1447.2	1429.4	1319.6	1173.0	1099.7	1052.0
142.5°	1389.4	1404.6	1465.7	1526.7	1465.7	1404.6	1389.4	1292.8	1164.1	1099.7	1055.8
145°	1329.2	1340.7	1387.0	1433.1	1387.0	1340.7	1329.2	1250.2	1145.0	1092.3	1055.9
147.5°	1278.7	1288.2	1326.5	1364.8	1326.5	1288.2	1278.7	1216.6	1133.7	1092.3	1063.1
150°	1249.8	1257.5	1288.5	1319.6	1288.5	1257.5	1249.8	1197.3	1127.3	1092.3	1066.9
152.5°	1226.7	1232.6	1256.0	1279.4	1256.0	1232.6	1226.7	1181.9	1122.2	1092.3	1069.4
155°	1199.2	1203.1	1218.6	1234.1	1218.6	1203.1	1199.2	1163.6	1116.0	1092.3	1074.8
157.5°	1175.5	1178.2	1189.1	1199.9	1189.1	1178.2	1175.5	1147.7	1110.8	1092.3	1080.2
160°	1163.6	1165.2	1171.5	1177.7	1171.5	1165.2	1163.6	1139.9	1108.2	1092.3	1082.7
162.5°	1152.5	1154.0	1159.9	1165.9	1159.9	1154.0	1152.5	1132.4	1105.7	1092.3	1085.3
165°	1135.4	1137.0	1143.3	1149.5	1143.3	1137.0	1135.4	1121.0	1101.9	1092.3	1089.2
167.5°	1127.9	1128.5	1131.2	1133.9	1131.2	1128.5	1127.9	1118.5	1106.0	1099.7	1097.0
170°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1118.5	1106.0	1099.7	1099.5
172.5°	1122.0	1121.5	1119.2	1116.8	1119.2	1121.5	1122.0	1114.6	1104.7	1099.7	1099.7
175°	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1113.8	1109.1	1102.8	1099.7	1101.2
177.5°	1112.4	1111.8	1109.1	1106.4	1109.1	1111.8	1112.4	1108.6	1103.7	1101.2	1102.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935245

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2462.5	2474.3	2481.4	2490.9	2514.4
5°	2368.1	2412.9	2427.1	2462.5	2505.0
7.5°	2160.6	2297.4	2335.1	2420.1	2486.1
10°	1960.1	2096.9	2162.9	2363.5	2462.5
12.5°	1858.7	1938.9	1983.7	2264.4	2429.4
15°	1795.0	1851.6	1884.6	2132.3	2391.8
17.5°	1745.4	1785.6	1809.2	2002.6	2339.8
20°	1714.8	1733.6	1754.9	1908.2	2280.9
22.5°	1693.6	1681.8	1698.3	1842.2	2200.7
25°	1679.4	1634.6	1653.5	1790.2	2106.3
27.5°	1691.2	1592.2	1599.2	1743.1	2007.2
30°	1693.6	1540.2	1542.6	1693.6	1896.4
32.5°	1677.1	1486.0	1488.4	1632.2	1771.4
35°	1637.0	1422.3	1420.0	1561.5	1601.5
37.5°	1582.7	1353.9	1353.9	1483.6	1415.2
40°	1516.7	1285.5	1292.6	1382.2	1250.1
42.5°	1436.5	1212.4	1221.8	1247.8	1127.5
45°	1349.2	1141.7	1148.7	1054.4	1033.1
47.5°	1252.5	1068.5	1070.9	875.1	1002.5
50°	1136.9	993.0	983.6	750.1	1000.1
52.5°	1035.4	910.5	882.2	679.3	908.2
55°	936.4	823.2	761.9	625.1	842.1
57.5°	849.1	710.0	651.0	561.4	827.9
60°	768.9	599.1	554.3	493.0	759.5
62.5°	702.9	516.6	507.1	445.8	688.7
65°	632.2	460.0	457.6	405.7	584.9
67.5°	563.8	422.2	419.9	367.9	445.8
70°	490.6	382.1	377.4	327.9	330.2
72.5°	415.2	337.3	332.6	294.8	273.6
75°	339.6	285.4	283.0	257.1	221.7
77.5°	266.5	226.5	231.2	207.5	162.7
80°	191.0	165.1	169.9	148.6	122.6
82.5°	127.4	108.5	113.2	94.3	82.6
85°	70.8	61.3	63.6	49.5	37.8
87.5°	33.0	28.3	28.3	18.8	11.8
90°	32.7	20.8	19.3	13.4	7.4
92.5°	201.5	143.4	130.8	80.2	29.7
95°	495.8	279.2	256.1	163.7	71.3
97.5°	667.9	306.7	286.4	204.8	123.3
100°	730.4	329.7	311.3	237.3	163.3
102.5°	759.1	352.7	335.4	266.4	197.5
105°	780.4	386.9	372.2	313.8	255.5
107.5°	784.4	437.4	423.7	369.3	314.8
110°	778.5	465.6	453.3	404.1	354.9



TEST NUMBER: P935245

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	778.7	499.8	488.1	441.1	394.3
115°	785.9	551.0	540.2	496.9	453.7
117.5°	800.5	600.7	590.9	551.6	512.4
120°	812.4	629.7	620.5	583.5	546.6
122.5°	829.4	663.8	654.6	617.2	579.9
125°	852.5	707.7	699.2	665.2	631.2
127.5°	875.5	750.0	741.4	707.0	672.8
130°	892.3	778.2	768.9	731.9	695.0
132.5°	905.9	801.2	791.9	755.0	718.0
135°	920.8	828.0	819.6	785.9	752.2
137.5°	943.1	862.1	853.8	820.4	787.1
140°	956.6	885.1	877.4	846.7	816.0
142.5°	968.0	902.2	895.1	866.7	838.3
145°	983.0	928.2	922.1	897.3	872.5
147.5°	1004.7	960.9	954.8	930.7	906.6
150°	1016.1	978.0	972.5	950.7	928.9
152.5°	1023.5	989.1	985.0	968.5	952.0
155°	1039.8	1013.6	1010.5	998.3	986.1
157.5°	1056.1	1038.1	1035.2	1023.2	1011.3
160°	1063.6	1049.3	1047.0	1037.8	1028.5
162.5°	1071.5	1061.1	1059.5	1052.5	1045.5
165°	1082.9	1078.2	1076.6	1070.3	1064.1
167.5°	1091.8	1087.8	1087.1	1084.1	1081.1
170°	1099.3	1099.0	1098.3	1095.2	1092.3
172.5°	1099.7	1099.7	1099.5	1098.9	1098.3
175°	1104.2	1106.4	1106.4	1106.4	1106.4
177.5°	1104.7	1106.4	1106.4	1106.4	1106.4
180°	1106.4	1106.4	1106.4	1106.4	1106.4



TEST NUMBER: P935245  
 CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-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	13.07	13.91	14.05	14.90	16.21	15.91	16.75	16.89	17.74	19.05
	3H	13.54	14.30	14.53	15.30	16.63	17.25	18.00	18.24	19.01	20.34
	4H	13.73	14.45	14.74	15.45	16.79	17.70	18.41	18.70	19.41	20.75
	6H	13.85	14.51	14.87	15.52	16.87	17.98	18.64	19.00	19.65	21.00
	8H	13.85	14.48	14.87	15.50	16.85	18.06	18.68	19.08	19.71	21.05
	12H	13.82	14.42	14.85	15.44	16.81	18.10	18.69	19.12	19.71	21.08
4H	2H	14.10	14.81	15.11	15.82	17.15	16.31	17.02	17.32	18.03	19.37
	3H	15.13	15.72	16.14	16.75	18.10	17.82	18.41	18.84	19.45	20.80
	4H	15.40	15.94	16.43	16.97	18.34	18.35	18.89	19.37	19.92	21.29
	6H	15.53	15.99	16.56	17.04	18.41	18.71	19.18	19.75	20.23	21.60
	8H	15.53	15.97	16.57	17.01	18.39	18.82	19.26	19.86	20.30	21.68
	12H	15.50	15.89	16.55	16.95	18.34	18.88	19.27	19.93	20.33	21.72
8H	4H	15.85	16.29	16.89	17.33	18.72	18.47	18.91	19.51	19.95	21.33
	6H	16.11	16.47	17.18	17.56	18.94	18.91	19.27	19.97	20.35	21.73
	8H	16.16	16.47	17.23	17.54	18.94	19.06	19.38	20.13	20.45	21.85
	12H	16.14	16.42	17.21	17.48	18.93	19.16	19.44	20.23	20.50	21.94
12H	4H	15.86	16.25	16.92	17.31	18.70	18.43	18.83	19.49	19.88	21.27
	6H	16.18	16.49	17.24	17.56	18.96	18.91	19.22	19.97	20.29	21.69
	8H	16.24	16.52	17.31	17.58	19.03	19.07	19.34	20.14	20.41	21.85