

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: P935246

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935246
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-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

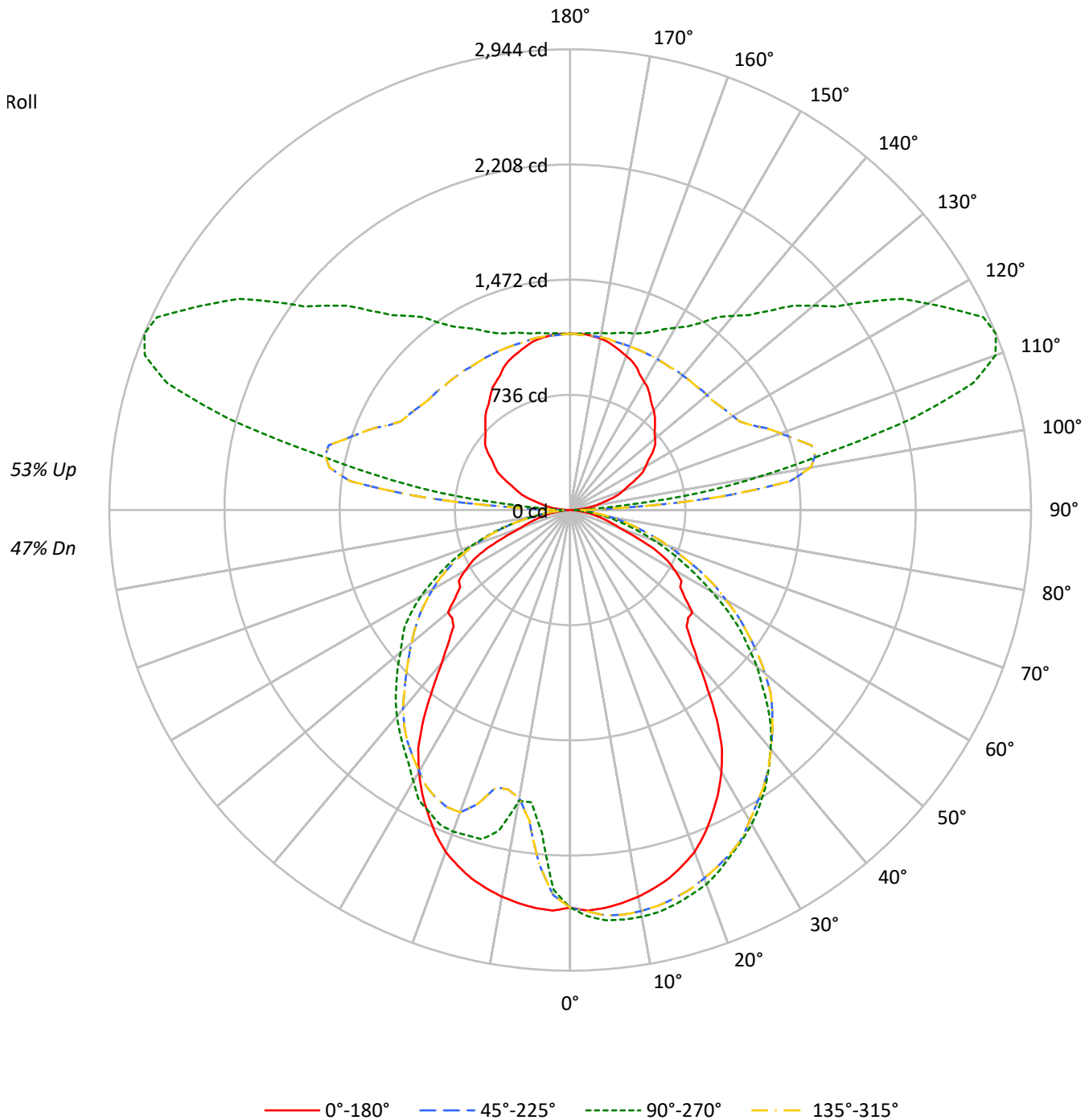
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13901.1 lumens
Efficiency: N/A
Efficacy: 119.8 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: P935246
CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P935246

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11788	11788	11788	11788
5°	11876	11899	11876	9357
10°	11796	11721	11796	8380
15°	11668	11467	11668	9576
20°	11424	11167	11424	9596
25°	10925	10728	10925	9392
30°	10279	10364	10279	8946
35°	9164	9903	9164	8455
40°	7635	9361	7635	8084
45°	6823	8725	6823	7658
50°	7249	7968	7249	7231
55°	6820	7152	6820	6983
60°	7030	6074	7030	6396
65°	6373	5022	6373	5613
70°	4413	4002	4413	4705
75°	3871	2958	3871	3542
80°	3119	1955	3119	2130
85°	1793	1035	1793	880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	1.6
10°-20°	651.2	4.7
20°-30°	1006.6	7.2
30°-40°	1201.6	8.6
40°-50°	1208.7	8.7
50°-60°	1051.7	7.6
60°-70°	745.7	5.4
70°-80°	394.5	2.8
80°-90°	102.5	0.7
90°-100°	549.6	4.0
100°-110°	1444.9	10.4
110°-120°	1498.2	10.8
120°-130°	1201.8	8.6
130°-140°	943.0	6.8
140°-150°	723.8	5.2
150°-160°	521.2	3.7
160°-170°	318.9	2.3
170°-180°	107.7	0.8
0°-30°	1887.1	13.6
0°-40°	3088.7	22.2
0°-60°	5349.2	38.5
0°-90°	6591.9	47.4
90°-120°	3492.8	25.1
90°-150°	6361.3	45.8
90°-180°	7309.0	52.6
0°-180°	13901.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2541	2541	2541	2541	2541	
5°	2553	2632	2553	2070	2553	242
15°	2437	2608	2437	2178	2437	686
25°	2146	2433	2146	2130	2146	986
35°	1632	2171	1632	1853	1632	1010
45°	1053	1788	1053	1570	1053	843
55°	858	1320	858	1288	858	789
65°	596	796	596	889	596	570
75°	226	377	226	452	226	238
85°	38	96	38	82	38	52
90°	8	29	8	29	8	8
95°	73	332	73	332	73	81
105°	260	2262	260	2262	260	276
115°	462	2913	462	2913	462	457
125°	643	2320	643	2320	643	571
135°	767	1800	767	1800	767	593
145°	889	1460	889	1460	889	557
155°	1005	1258	1005	1258	1005	462
165°	1084	1171	1084	1171	1084	306
175°	1128	1135	1128	1135	1128	107
180°	1128	1128	1128	1128	1128	



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2562.4	2562.4	2576.7	2581.5	2581.5	2574.4	2567.2	2574.4	2596.0	2603.2	2600.8
5°	2552.7	2571.9	2598.4	2603.2	2608.0	2605.6	2600.8	2605.6	2629.7	2634.5	2636.9
7.5°	2533.5	2569.5	2603.2	2610.4	2617.7	2610.4	2608.0	2612.8	2636.9	2641.7	2641.7
10°	2509.4	2559.9	2598.4	2603.2	2610.4	2603.2	2603.2	2612.8	2636.9	2641.7	2644.0
12.5°	2475.8	2545.5	2581.5	2586.4	2596.0	2593.6	2591.2	2600.8	2624.8	2629.7	2629.7
15°	2437.4	2519.1	2552.7	2557.5	2574.4	2569.5	2569.5	2579.2	2605.6	2612.8	2610.4
17.5°	2384.4	2485.4	2523.9	2531.1	2543.1	2540.7	2543.1	2552.7	2576.7	2581.5	2584.0
20°	2324.4	2439.7	2485.4	2492.6	2504.7	2504.7	2504.7	2516.7	2540.7	2550.3	2550.3
22.5°	2242.6	2391.7	2439.7	2444.6	2458.9	2458.9	2463.8	2480.6	2502.2	2504.7	2504.7
25°	2146.5	2338.8	2379.6	2394.1	2408.5	2415.7	2422.9	2432.6	2439.7	2437.4	2439.7
27.5°	2045.5	2271.5	2324.4	2333.9	2353.2	2360.4	2370.1	2372.4	2374.9	2382.1	2377.2
30°	1932.5	2177.8	2257.1	2266.7	2297.9	2302.7	2293.1	2297.9	2309.9	2314.8	2319.6
32.5°	1805.2	2038.3	2187.4	2209.0	2237.8	2223.4	2221.0	2228.2	2247.4	2247.4	2252.3
35°	1632.1	1930.2	2122.5	2141.6	2163.3	2146.5	2156.1	2158.5	2170.6	2177.8	2175.3
37.5°	1442.2	1836.4	2055.1	2069.6	2086.4	2064.8	2079.2	2086.4	2096.0	2091.3	2091.3
40°	1273.9	1689.8	1975.8	1985.5	1999.8	1983.0	1997.5	2002.3	2007.1	2002.3	1999.8
42.5°	1149.0	1528.7	1891.7	1903.7	1894.1	1906.1	1911.0	1920.5	1913.3	1903.7	1903.7
45°	1052.8	1485.4	1800.4	1814.8	1800.4	1819.6	1826.8	1826.8	1805.2	1800.4	1798.0
47.5°	1021.6	1398.9	1709.0	1709.0	1701.8	1725.9	1737.9	1721.0	1699.4	1692.2	1692.2
50°	1019.2	1302.8	1584.0	1574.4	1608.1	1636.9	1624.9	1608.1	1591.2	1564.8	1564.8
52.5°	925.5	1185.0	1422.9	1459.1	1511.9	1528.7	1509.5	1492.7	1463.9	1451.9	1442.2
55°	858.2	1062.5	1276.4	1348.4	1403.8	1425.4	1389.3	1372.6	1329.3	1322.1	1317.2
57.5°	843.7	884.5	1141.8	1233.1	1300.4	1298.0	1276.4	1245.1	1209.1	1201.8	1199.4
60°	774.0	639.4	997.5	1105.7	1175.4	1168.2	1149.0	1120.1	1086.5	1081.6	1076.8
62.5°	701.9	463.9	834.0	956.7	1055.2	1052.8	1036.0	992.7	968.7	956.7	947.0
65°	596.1	389.4	593.7	795.7	937.5	942.2	906.2	875.0	848.5	834.0	831.7
67.5°	454.3	317.3	401.4	663.4	824.5	819.7	774.0	759.5	725.9	718.7	704.2
70°	336.5	211.5	278.8	538.4	713.9	701.9	665.9	649.0	617.7	600.9	591.3
72.5°	278.8	170.6	204.3	418.3	600.9	586.5	555.2	536.0	509.6	495.1	485.6
75°	226.0	180.3	156.3	310.1	487.9	478.4	449.5	430.3	408.6	389.4	391.8
77.5°	165.8	168.3	125.0	228.3	387.0	372.6	355.8	331.7	322.1	302.9	302.9
80°	125.0	132.2	93.8	156.3	278.8	278.8	264.4	247.6	230.8	221.1	221.1
82.5°	84.1	84.1	69.7	98.5	189.9	182.7	173.1	168.3	158.6	153.8	153.8
85°	38.5	48.0	43.3	60.1	103.3	108.2	108.2	103.3	101.0	96.1	98.5
87.5°	12.0	21.6	26.5	33.7	52.8	55.3	57.7	57.7	57.7	60.1	60.1
90°	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3	28.7	28.7
92.5°	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8	143.8	138.1
95°	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9	488.1	470.8
97.5°	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4	1126.8	1093.8
100°	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2	1582.3	1543.0
102.5°	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2	1971.3	1937.6
105°	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3	2425.3	2407.2
107.5°	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5	2661.3	2665.7
110°	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6	2721.9	2740.7



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9	2683.3	2712.3
115°	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2	2552.4	2592.6
117.5°	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6	2371.5	2416.0
120°	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9	2249.7	2292.9
122.5°	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8	2127.9	2170.6
125°	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1	1966.7	2006.0
127.5°	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5	1837.3	1870.4
130°	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0	1755.6	1786.2
132.5°	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8	1685.9	1713.3
135°	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2	1587.6	1611.2
137.5°	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3	1514.9	1534.3
140°	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7	1456.7	1474.8
142.5°	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4	1415.8	1431.4
145°	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0	1354.5	1366.3
147.5°	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7	1303.1	1312.8
150°	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1	1273.6	1281.5
152.5°	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5	1250.1	1256.1
155°	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8	1222.1	1226.0
157.5°	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6	1197.9	1200.6
160°	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6	1185.8	1187.4
162.5°	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0	1174.4	1176.0
165°	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4	1157.1	1158.7
167.5°	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9	1149.4	1150.1
170°	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9	1149.4	1149.4
172.5°	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9	1143.4	1142.9
175°	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2	1135.0	1135.0
177.5°	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8	1133.6	1133.0
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2605.6	2598.4	2605.6	2600.8	2603.2	2596.0	2574.4	2567.2	2574.4	2581.5	2581.5
5°	2636.9	2632.0	2636.9	2636.9	2634.5	2629.7	2605.6	2600.8	2605.6	2608.0	2603.2
7.5°	2646.5	2639.2	2646.5	2641.7	2641.7	2636.9	2612.8	2608.0	2610.4	2617.7	2610.4
10°	2646.5	2639.2	2646.5	2644.0	2641.7	2636.9	2612.8	2603.2	2603.2	2610.4	2603.2
12.5°	2634.5	2629.7	2634.5	2629.7	2629.7	2624.8	2600.8	2591.2	2593.6	2596.0	2586.4
15°	2615.2	2608.0	2615.2	2610.4	2612.8	2605.6	2579.2	2569.5	2569.5	2574.4	2557.5
17.5°	2586.4	2576.7	2586.4	2584.0	2581.5	2576.7	2552.7	2543.1	2540.7	2543.1	2531.1
20°	2552.7	2545.5	2552.7	2550.3	2550.3	2540.7	2516.7	2504.7	2504.7	2504.7	2492.6
22.5°	2499.9	2492.6	2499.9	2504.7	2504.7	2502.2	2480.6	2463.8	2458.9	2458.9	2444.6
25°	2439.7	2432.6	2439.7	2439.7	2437.4	2439.7	2432.6	2422.9	2415.7	2408.5	2394.1
27.5°	2382.1	2377.2	2382.1	2377.2	2382.1	2374.9	2372.4	2370.1	2360.4	2353.2	2333.9
30°	2324.4	2319.6	2324.4	2319.6	2314.8	2309.9	2297.9	2293.1	2302.7	2297.9	2266.7
32.5°	2252.3	2247.4	2252.3	2252.3	2247.4	2247.4	2228.2	2221.0	2223.4	2237.8	2209.0
35°	2177.8	2170.6	2177.8	2175.3	2177.8	2170.6	2158.5	2156.1	2146.5	2163.3	2141.6
37.5°	2091.3	2084.0	2091.3	2091.3	2091.3	2096.0	2086.4	2079.2	2064.8	2086.4	2069.6
40°	2002.3	1992.7	2002.3	1999.8	2002.3	2007.1	2002.3	1997.5	1983.0	1999.8	1985.5
42.5°	1901.3	1899.0	1901.3	1903.7	1903.7	1913.3	1920.5	1911.0	1906.1	1894.1	1903.7
45°	1793.2	1788.3	1793.2	1798.0	1800.4	1805.2	1826.8	1826.8	1819.6	1800.4	1814.8
47.5°	1677.7	1665.7	1677.7	1692.2	1692.2	1699.4	1721.0	1737.9	1725.9	1701.8	1709.0
50°	1555.2	1557.6	1555.2	1564.8	1564.8	1591.2	1608.1	1624.9	1636.9	1608.1	1574.4
52.5°	1435.0	1432.6	1435.0	1442.2	1451.9	1463.9	1492.7	1509.5	1528.7	1511.9	1459.1
55°	1314.8	1319.6	1314.8	1317.2	1322.1	1329.3	1372.6	1389.3	1425.4	1403.8	1348.4
57.5°	1194.6	1187.4	1194.6	1199.4	1201.8	1209.1	1245.1	1276.4	1298.0	1300.4	1233.1
60°	1055.2	1045.6	1055.2	1076.8	1081.6	1086.5	1120.1	1149.0	1168.2	1175.4	1105.7
62.5°	932.7	915.8	932.7	947.0	956.7	968.7	992.7	1036.0	1052.8	1055.2	956.7
65°	802.8	795.7	802.8	831.7	834.0	848.5	875.0	906.2	942.2	937.5	795.7
67.5°	685.0	685.0	685.0	704.2	718.7	725.9	759.5	774.0	819.7	824.5	663.4
70°	576.9	574.5	576.9	591.3	600.9	617.7	649.0	665.9	701.9	713.9	538.4
72.5°	473.6	471.1	473.6	485.6	495.1	509.6	536.0	555.2	586.5	600.9	418.3
75°	382.2	377.4	382.2	391.8	389.4	408.6	430.3	449.5	478.4	487.9	310.1
77.5°	293.3	293.3	293.3	302.9	302.9	322.1	331.7	355.8	372.6	387.0	228.3
80°	218.8	216.3	218.8	221.1	221.1	230.8	247.6	264.4	278.8	278.8	156.3
82.5°	153.8	149.0	153.8	153.8	153.8	158.6	168.3	173.1	182.7	189.9	98.5
85°	96.1	96.1	96.1	98.5	96.1	101.0	103.3	108.2	108.2	103.3	60.1
87.5°	62.5	60.1	62.5	60.1	60.1	57.7	57.7	57.7	55.3	52.8	33.7
90°	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4	33.3	21.2
92.5°	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4	205.3	146.1
95°	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5	505.2	284.5
97.5°	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2	680.6	312.6
100°	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9	744.4	336.0
102.5°	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8	773.6	359.4
105°	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1	795.3	394.2
107.5°	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9	799.4	445.7
110°	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4	793.3	474.5



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6	793.6	509.3
115°	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0	800.8	561.5
117.5°	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1	815.8	612.2
120°	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1	827.9	641.7
122.5°	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2	845.2	676.5
125°	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5	868.7	721.2
127.5°	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7	892.2	764.3
130°	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4	909.3	793.0
132.5°	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5	923.2	816.5
135°	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5	938.4	843.8
137.5°	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0	961.0	878.5
140°	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1	974.9	902.0
142.5°	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9	986.5	919.4
145°	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0	1001.7	945.9
147.5°	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4	1023.9	979.2
150°	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2	1035.4	996.6
152.5°	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7	1043.0	1008.0
155°	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3	1059.6	1032.9
157.5°	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8	1076.3	1057.9
160°	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4	1083.9	1069.3
162.5°	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0	1091.9	1081.4
165°	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9	1103.6	1098.8
167.5°	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9	1112.6	1108.6
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5	1120.2	1119.9
172.5°	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2	1125.2	1127.5
177.5°	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4	1125.8	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2576.7	2562.4	2562.4	2538.3	2528.7	2521.5	2509.4	2473.4	2463.8	2454.2	2468.6
5°	2598.4	2571.9	2552.7	2509.4	2473.4	2458.9	2413.3	2326.8	2269.1	2225.8	2201.8
7.5°	2603.2	2569.5	2533.5	2466.2	2379.6	2341.2	2201.8	2043.1	1999.8	1961.5	1937.3
10°	2598.4	2559.9	2509.4	2408.5	2204.1	2136.9	1997.5	1894.1	1867.7	1860.5	1867.7
12.5°	2581.5	2545.5	2475.8	2307.6	2021.5	1975.8	1894.1	1834.0	1829.2	1841.2	1906.1
15°	2552.7	2519.1	2437.4	2172.9	1920.5	1886.9	1829.2	1807.5	1834.0	1918.2	2112.8
17.5°	2523.9	2485.4	2384.4	2040.8	1843.7	1819.6	1778.7	1822.0	1971.0	2084.0	2148.9
20°	2485.4	2439.7	2324.4	1944.6	1788.3	1766.7	1747.5	1942.2	2055.1	2096.0	2132.1
22.5°	2439.7	2391.7	2242.6	1877.3	1730.7	1713.8	1725.9	2009.5	2055.1	2084.0	2115.3
25°	2379.6	2338.8	2146.5	1824.4	1685.0	1665.7	1711.4	2002.3	2028.7	2035.9	2098.4
27.5°	2324.4	2271.5	2045.5	1776.3	1629.7	1622.5	1723.5	1971.0	1990.3	1997.5	2064.8
30°	2257.1	2177.8	1932.5	1725.9	1572.0	1569.6	1725.9	1932.5	1927.8	1947.0	2014.3
32.5°	2187.4	2038.3	1805.2	1663.4	1516.7	1514.4	1709.0	1874.9	1870.0	1896.5	1947.0
35°	2122.5	1930.2	1632.1	1591.2	1447.1	1449.4	1668.2	1807.5	1810.0	1834.0	1865.3
37.5°	2055.1	1836.4	1442.2	1511.9	1379.7	1379.7	1612.9	1745.0	1740.3	1747.5	1790.7
40°	1975.8	1689.8	1273.9	1408.6	1317.2	1310.0	1545.6	1677.7	1660.9	1658.5	1718.7
42.5°	1891.7	1528.7	1149.0	1271.6	1245.1	1235.5	1463.9	1596.0	1564.8	1572.0	1648.9
45°	1800.4	1485.4	1052.8	1074.5	1170.6	1163.4	1374.9	1502.3	1480.7	1499.9	1579.2
47.5°	1709.0	1398.9	1021.6	891.8	1091.3	1088.8	1276.4	1410.9	1398.9	1418.2	1502.3
50°	1584.0	1302.8	1019.2	764.4	1002.3	1012.0	1158.6	1322.1	1322.1	1338.9	1427.8
52.5°	1422.9	1185.0	925.5	692.2	899.0	927.8	1055.2	1245.1	1249.9	1266.8	1346.1
55°	1276.4	1062.5	858.2	637.0	776.4	838.9	954.3	1165.8	1175.4	1192.3	1264.3
57.5°	1141.8	884.5	843.7	572.1	663.4	723.5	865.3	1088.8	1093.7	1108.1	1177.8
60°	997.5	639.4	774.0	502.4	564.9	610.5	783.6	997.5	1014.3	1024.0	1084.1
62.5°	834.0	463.9	701.9	454.3	516.8	526.4	716.3	911.0	932.7	939.8	975.9
65°	593.7	389.4	596.1	413.4	466.3	468.7	644.2	822.0	841.3	853.3	879.7
67.5°	401.4	317.3	454.3	375.0	427.9	430.3	574.5	718.7	745.2	754.7	771.6
70°	278.8	211.5	336.5	334.1	384.6	389.4	499.9	624.9	649.0	656.2	665.9
72.5°	204.3	170.6	278.8	300.5	338.9	343.8	423.1	519.2	543.2	550.4	555.2
75°	156.3	180.3	226.0	262.0	288.4	290.8	346.1	423.1	439.9	444.7	447.1
77.5°	125.0	168.3	165.8	211.5	235.6	230.8	271.6	326.9	341.3	341.3	341.3
80°	93.8	132.2	125.0	151.5	173.1	168.3	194.7	233.1	238.0	242.8	240.3
82.5°	69.7	84.1	84.1	96.1	115.3	110.6	129.8	151.5	151.5	151.5	156.3
85°	43.3	48.0	38.5	50.5	64.9	62.5	72.1	81.7	84.1	84.1	79.3
87.5°	26.5	21.6	12.0	19.2	28.8	28.8	33.7	36.0	33.7	33.7	33.7
90°	19.6	13.6	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3
92.5°	133.3	81.8	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8
95°	261.0	166.8	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9
97.5°	291.8	208.7	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4
100°	317.2	241.8	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2
102.5°	341.8	271.5	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2
105°	379.3	319.8	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3
107.5°	431.8	376.3	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5
110°	461.9	411.8	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	497.4	449.5	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9
115°	550.5	506.4	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2
117.5°	602.2	562.2	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6
120°	632.3	594.6	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9
122.5°	667.0	629.0	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8
125°	712.5	677.9	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1
127.5°	755.5	720.5	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5
130°	783.6	745.9	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0
132.5°	807.0	769.4	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8
135°	835.2	800.8	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2
137.5°	870.1	836.0	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3
140°	894.2	862.9	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7
142.5°	912.2	883.3	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4
145°	939.7	914.4	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0
147.5°	973.0	948.5	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7
150°	991.0	968.9	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1
152.5°	1003.8	987.0	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5
155°	1029.8	1017.3	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8
157.5°	1054.9	1042.7	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6
160°	1066.9	1057.5	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6
162.5°	1079.6	1072.6	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0
165°	1097.1	1090.7	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4
167.5°	1107.8	1104.8	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9
170°	1119.2	1116.1	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9
172.5°	1120.5	1119.9	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9
175°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2
177.5°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2451.7	2444.6	2454.2	2427.7	2454.2	2444.6	2451.7	2468.6	2454.2	2463.8	2473.4
5°	2151.3	2139.3	2100.8	2069.6	2100.8	2139.3	2151.3	2201.8	2225.8	2269.1	2326.8
7.5°	1923.0	1913.3	1903.7	1884.5	1903.7	1913.3	1923.0	1937.3	1961.5	1999.8	2043.1
10°	1872.5	1874.9	1889.3	1886.9	1889.3	1874.9	1872.5	1867.7	1860.5	1867.7	1894.1
12.5°	2002.3	2023.9	2103.3	2098.4	2103.3	2023.9	2002.3	1906.1	1841.2	1829.2	1834.0
15°	2151.3	2158.5	2175.3	2177.8	2175.3	2158.5	2151.3	2112.8	1918.2	1834.0	1807.5
17.5°	2165.8	2168.1	2180.1	2180.1	2180.1	2168.1	2165.8	2148.9	2084.0	1971.0	1822.0
20°	2153.7	2158.5	2182.6	2187.4	2182.6	2158.5	2153.7	2132.1	2096.0	2055.1	1942.2
22.5°	2148.9	2158.5	2177.8	2175.3	2177.8	2158.5	2148.9	2115.3	2084.0	2055.1	2009.5
25°	2124.8	2124.8	2127.3	2129.6	2127.3	2124.8	2124.8	2098.4	2035.9	2028.7	2002.3
27.5°	2074.4	2079.2	2093.6	2091.3	2093.6	2079.2	2074.4	2064.8	1997.5	1990.3	1971.0
30°	2028.7	2023.9	2011.8	2002.3	2011.8	2023.9	2028.7	2014.3	1947.0	1927.8	1932.5
32.5°	1951.8	1939.8	1927.8	1920.5	1927.8	1939.8	1951.8	1947.0	1896.5	1870.0	1874.9
35°	1860.5	1862.8	1860.5	1853.2	1860.5	1862.8	1860.5	1865.3	1834.0	1810.0	1807.5
37.5°	1795.5	1800.4	1798.0	1788.3	1798.0	1800.4	1795.5	1790.7	1747.5	1740.3	1745.0
40°	1728.2	1730.7	1728.2	1721.0	1728.2	1730.7	1728.2	1718.7	1658.5	1660.9	1677.7
42.5°	1663.4	1660.9	1653.7	1648.9	1653.7	1660.9	1663.4	1648.9	1572.0	1564.8	1596.0
45°	1588.9	1591.2	1576.9	1569.6	1576.9	1591.2	1588.9	1579.2	1499.9	1480.7	1502.3
47.5°	1514.4	1514.4	1502.3	1495.1	1502.3	1514.4	1514.4	1502.3	1418.2	1398.9	1410.9
50°	1435.0	1432.6	1415.8	1413.4	1415.8	1432.6	1435.0	1427.8	1338.9	1322.1	1322.1
52.5°	1343.6	1343.6	1346.1	1350.9	1346.1	1343.6	1343.6	1346.1	1266.8	1249.9	1245.1
55°	1264.3	1266.8	1283.6	1288.4	1283.6	1266.8	1264.3	1264.3	1192.3	1175.4	1165.8
57.5°	1182.6	1182.6	1194.6	1194.6	1194.6	1182.6	1182.6	1177.8	1108.1	1093.7	1088.8
60°	1088.8	1093.7	1103.3	1100.9	1103.3	1093.7	1088.8	1084.1	1024.0	1014.3	997.5
62.5°	990.3	995.1	997.5	992.7	997.5	995.1	990.3	975.9	939.8	932.7	911.0
65°	887.0	891.8	894.2	889.4	894.2	891.8	887.0	879.7	853.3	841.3	822.0
67.5°	781.2	778.8	776.4	786.0	776.4	778.8	781.2	771.6	754.7	745.2	718.7
70°	673.0	673.0	670.6	675.4	670.6	673.0	673.0	665.9	656.2	649.0	624.9
72.5°	557.7	555.2	564.9	557.7	564.9	555.2	557.7	555.2	550.4	543.2	519.2
75°	444.7	449.5	444.7	451.9	444.7	449.5	444.7	447.1	444.7	439.9	423.1
77.5°	338.9	343.8	338.9	338.9	338.9	343.8	338.9	341.3	341.3	341.3	326.9
80°	240.3	238.0	238.0	235.6	238.0	238.0	240.3	240.3	242.8	238.0	233.1
82.5°	153.8	151.5	151.5	156.3	151.5	151.5	153.8	156.3	151.5	151.5	151.5
85°	84.1	86.5	81.7	81.7	81.7	86.5	84.1	79.3	84.1	84.1	81.7
87.5°	31.3	28.8	28.8	28.8	28.8	28.8	31.3	33.7	33.7	33.7	36.0
90°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4
92.5°	143.8	138.1	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4
95°	488.1	470.8	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5
97.5°	1126.8	1093.8	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2
100°	1582.3	1543.0	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9
102.5°	1971.3	1937.6	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8
105°	2425.3	2407.2	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1
107.5°	2661.3	2665.7	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9
110°	2721.9	2740.7	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2683.3	2712.3	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6
115°	2552.4	2592.6	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0
117.5°	2371.5	2416.0	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1
120°	2249.7	2292.9	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1
122.5°	2127.9	2170.6	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2
125°	1966.7	2006.0	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5
127.5°	1837.3	1870.4	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7
130°	1755.6	1786.2	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4
132.5°	1685.9	1713.3	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5
135°	1587.6	1611.2	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5
137.5°	1514.9	1534.3	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0
140°	1456.7	1474.8	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1
142.5°	1415.8	1431.4	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9
145°	1354.5	1366.3	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0
147.5°	1303.1	1312.8	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4
150°	1273.6	1281.5	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2
152.5°	1250.1	1256.1	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7
155°	1222.1	1226.0	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3
157.5°	1197.9	1200.6	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8
160°	1185.8	1187.4	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4
162.5°	1174.4	1176.0	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0
165°	1157.1	1158.7	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9
167.5°	1149.4	1150.1	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5
172.5°	1143.4	1142.9	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2
177.5°	1133.6	1133.0	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2509.4	2521.5	2528.7	2538.3	2562.4
5°	2413.3	2458.9	2473.4	2509.4	2552.7
7.5°	2201.8	2341.2	2379.6	2466.2	2533.5
10°	1997.5	2136.9	2204.1	2408.5	2509.4
12.5°	1894.1	1975.8	2021.5	2307.6	2475.8
15°	1829.2	1886.9	1920.5	2172.9	2437.4
17.5°	1778.7	1819.6	1843.7	2040.8	2384.4
20°	1747.5	1766.7	1788.3	1944.6	2324.4
22.5°	1725.9	1713.8	1730.7	1877.3	2242.6
25°	1711.4	1665.7	1685.0	1824.4	2146.5
27.5°	1723.5	1622.5	1629.7	1776.3	2045.5
30°	1725.9	1569.6	1572.0	1725.9	1932.5
32.5°	1709.0	1514.4	1516.7	1663.4	1805.2
35°	1668.2	1449.4	1447.1	1591.2	1632.1
37.5°	1612.9	1379.7	1379.7	1511.9	1442.2
40°	1545.6	1310.0	1317.2	1408.6	1273.9
42.5°	1463.9	1235.5	1245.1	1271.6	1149.0
45°	1374.9	1163.4	1170.6	1074.5	1052.8
47.5°	1276.4	1088.8	1091.3	891.8	1021.6
50°	1158.6	1012.0	1002.3	764.4	1019.2
52.5°	1055.2	927.8	899.0	692.2	925.5
55°	954.3	838.9	776.4	637.0	858.2
57.5°	865.3	723.5	663.4	572.1	843.7
60°	783.6	610.5	564.9	502.4	774.0
62.5°	716.3	526.4	516.8	454.3	701.9
65°	644.2	468.7	466.3	413.4	596.1
67.5°	574.5	430.3	427.9	375.0	454.3
70°	499.9	389.4	384.6	334.1	336.5
72.5°	423.1	343.8	338.9	300.5	278.8
75°	346.1	290.8	288.4	262.0	226.0
77.5°	271.6	230.8	235.6	211.5	165.8
80°	194.7	168.3	173.1	151.5	125.0
82.5°	129.8	110.6	115.3	96.1	84.1
85°	72.1	62.5	64.9	50.5	38.5
87.5°	33.7	28.8	28.8	19.2	12.0
90°	33.3	21.2	19.6	13.6	7.5
92.5°	205.3	146.1	133.3	81.8	30.3
95°	505.2	284.5	261.0	166.8	72.7
97.5°	680.6	312.6	291.8	208.7	125.6
100°	744.4	336.0	317.2	241.8	166.5
102.5°	773.6	359.4	341.8	271.5	201.3
105°	795.3	394.2	379.3	319.8	260.3
107.5°	799.4	445.7	431.8	376.3	320.8
110°	793.3	474.5	461.9	411.8	361.7



TEST NUMBER: P935246

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	793.6	509.3	497.4	449.5	401.8
115°	800.8	561.5	550.5	506.4	462.4
117.5°	815.8	612.2	602.2	562.2	522.1
120°	827.9	641.7	632.3	594.6	557.0
122.5°	845.2	676.5	667.0	629.0	591.0
125°	868.7	721.2	712.5	677.9	643.2
127.5°	892.2	764.3	755.5	720.5	685.6
130°	909.3	793.0	783.6	745.9	708.2
132.5°	923.2	816.5	807.0	769.4	731.7
135°	938.4	843.8	835.2	800.8	766.6
137.5°	961.0	878.5	870.1	836.0	802.1
140°	974.9	902.0	894.2	862.9	831.6
142.5°	986.5	919.4	912.2	883.3	854.3
145°	1001.7	945.9	939.7	914.4	889.2
147.5°	1023.9	979.2	973.0	948.5	923.9
150°	1035.4	996.6	991.0	968.9	946.7
152.5°	1043.0	1008.0	1003.8	987.0	970.1
155°	1059.6	1032.9	1029.8	1017.3	1004.9
157.5°	1076.3	1057.9	1054.9	1042.7	1030.6
160°	1083.9	1069.3	1066.9	1057.5	1048.1
162.5°	1091.9	1081.4	1079.6	1072.6	1065.5
165°	1103.6	1098.8	1097.1	1090.7	1084.4
167.5°	1112.6	1108.6	1107.8	1104.8	1101.8
170°	1120.2	1119.9	1119.2	1116.1	1113.1
172.5°	1120.7	1120.7	1120.5	1119.9	1119.2
175°	1125.2	1127.5	1127.5	1127.5	1127.5
177.5°	1125.8	1127.5	1127.5	1127.5	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935246
 CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-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	13.14	13.97	14.11	14.97	16.27	15.97	16.81	16.95	17.80	19.11
	3H	13.61	14.36	14.60	15.36	16.69	17.32	18.07	18.31	19.07	20.40
	4H	13.80	14.51	14.80	15.52	16.85	17.76	18.47	18.77	19.48	20.82
	6H	13.92	14.57	14.93	15.58	16.93	18.05	18.70	19.06	19.71	21.06
	8H	13.92	14.54	14.94	15.57	16.91	18.12	18.75	19.14	19.77	21.12
	12H	13.89	14.48	14.91	15.50	16.87	18.16	18.76	19.19	19.78	21.15
4H	2H	14.17	14.88	15.18	15.88	17.22	16.38	17.09	17.39	18.09	19.43
	3H	15.19	15.78	16.21	16.82	18.17	17.88	18.48	18.90	19.51	20.86
	4H	15.47	16.01	16.49	17.03	18.41	18.41	18.96	19.44	19.98	21.36
	6H	15.59	16.06	16.63	17.11	18.48	18.78	19.25	19.82	20.30	21.67
	8H	15.60	16.03	16.63	17.07	18.46	18.89	19.32	19.92	20.36	21.75
	12H	15.56	15.96	16.62	17.01	18.40	18.94	19.34	20.00	20.39	21.78
8H	4H	15.92	16.36	16.96	17.40	18.78	18.54	18.97	19.57	20.01	21.40
	6H	16.18	16.54	17.24	17.62	19.01	18.97	19.33	20.04	20.42	21.80
	8H	16.22	16.54	17.29	17.61	19.01	19.13	19.44	20.20	20.51	21.91
	12H	16.21	16.48	17.28	17.55	18.99	19.23	19.50	20.30	20.57	22.01
12H	4H	15.93	16.32	16.98	17.38	18.77	18.50	18.89	19.56	19.95	21.34
	6H	16.24	16.56	17.31	17.63	19.03	18.97	19.29	20.04	20.36	21.76
	8H	16.31	16.59	17.38	17.65	19.09	19.13	19.41	20.20	20.47	21.92