

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: P935293

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935293
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-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

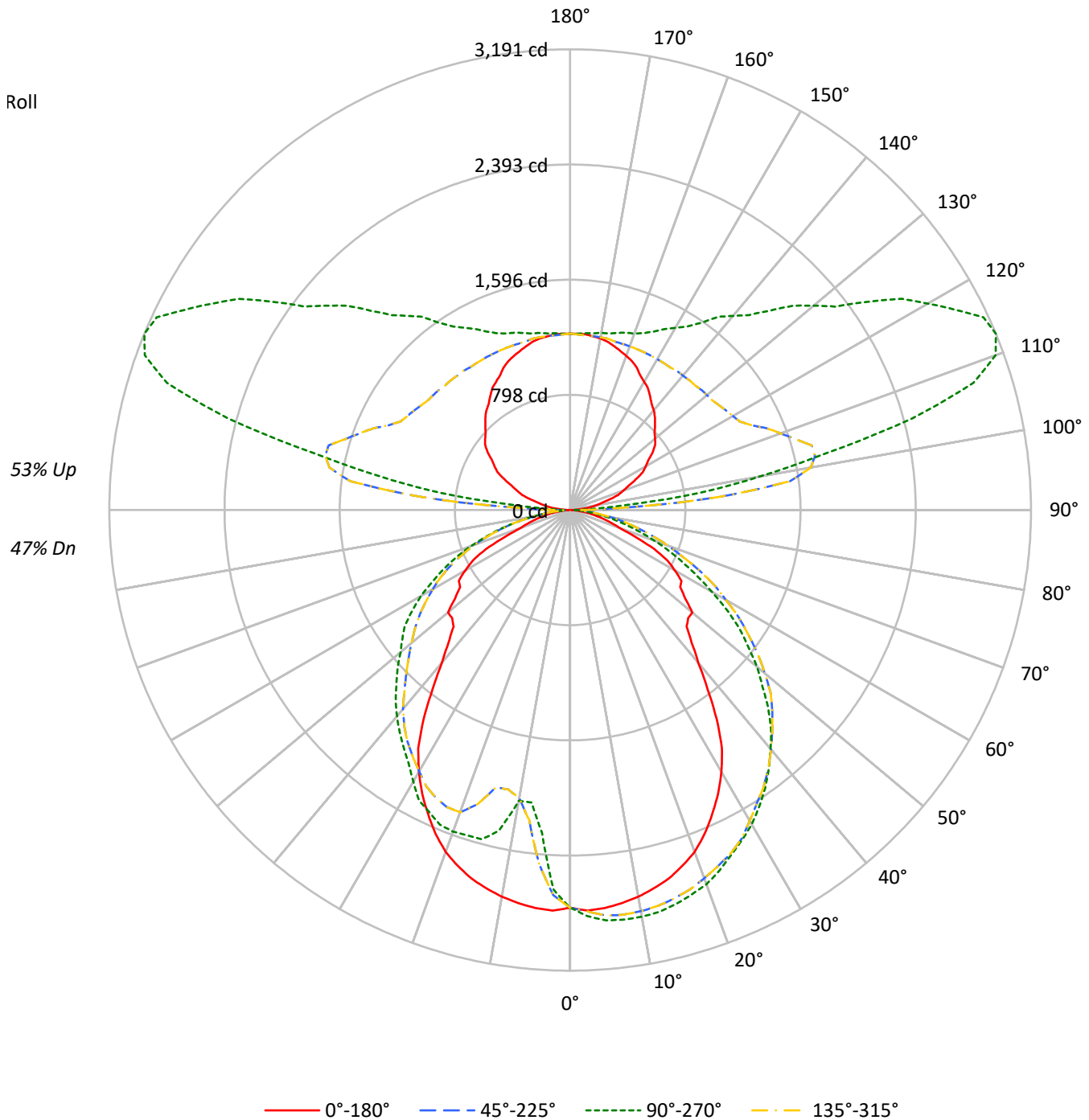
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15068.1 lumens
Efficiency: N/A
Efficacy: 129.9 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

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Luminous Intensity Polar Plot





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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°	12778	12778	12778	12778
5°	12873	12898	12873	10142
10°	12787	12705	12787	9084
15°	12648	12430	12648	10380
20°	12383	12104	12383	10401
25°	11842	11629	11842	10180
30°	11142	11234	11142	9697
35°	9933	10734	9933	9165
40°	8277	10146	8277	8763
45°	7395	9458	7395	8301
50°	7857	8637	7857	7837
55°	7392	7753	7392	7569
60°	7620	6584	7620	6933
65°	6908	5443	6908	6084
70°	4783	4338	4783	5100
75°	4194	3207	4194	3839
80°	3381	2120	3381	2309
85°	1942	1123	1942	953

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11335 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	1.6
10°-20°	705.8	4.7
20°-30°	1091.1	7.2
30°-40°	1302.5	8.6
40°-50°	1310.2	8.7
50°-60°	1140.0	7.6
60°-70°	808.3	5.4
70°-80°	427.6	2.8
80°-90°	111.2	0.7
90°-100°	595.8	4.0
100°-110°	1566.2	10.4
110°-120°	1624.0	10.8
120°-130°	1302.7	8.6
130°-140°	1022.1	6.8
140°-150°	784.5	5.2
150°-160°	565.0	3.7
160°-170°	345.7	2.3
170°-180°	116.8	0.8
0°-30°	2045.5	13.6
0°-40°	3348.0	22.2
0°-60°	5798.2	38.5
0°-90°	7145.3	47.4
90°-120°	3786.0	25.1
90°-150°	6895.3	45.8
90°-180°	7923.0	52.6
0°-180°	15068.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2754	2754	2754	2754	2754	
5°	2767	2853	2767	2243	2767	262
15°	2642	2827	2642	2361	2642	743
25°	2327	2637	2327	2308	2327	1068
35°	1769	2353	1769	2009	1769	1094
45°	1141	1938	1141	1701	1141	914
55°	930	1430	930	1397	930	855
65°	646	862	646	964	646	618
75°	245	409	245	490	245	257
85°	42	104	42	88	42	56
90°	8	31	8	31	8	9
95°	79	360	79	360	79	87
105°	282	2452	282	2452	282	299
115°	501	3158	501	3158	501	495
125°	697	2515	697	2515	697	619
135°	831	1951	831	1951	831	643
145°	964	1583	964	1583	964	604
155°	1089	1363	1089	1363	1089	500
165°	1175	1270	1175	1270	1175	332
175°	1222	1230	1222	1230	1222	116
180°	1222	1222	1222	1222	1222	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2777.5	2777.5	2793.0	2798.3	2798.3	2790.5	2782.7	2790.5	2813.9	2821.7	2819.2
5°	2767.0	2787.8	2816.5	2821.7	2827.0	2824.3	2819.2	2824.3	2850.4	2855.7	2858.2
7.5°	2746.2	2785.3	2821.7	2829.5	2837.4	2829.5	2827.0	2832.2	2858.2	2863.4	2863.4
10°	2720.1	2774.8	2816.5	2821.7	2829.5	2821.7	2821.7	2832.2	2858.2	2863.4	2866.0
12.5°	2683.6	2759.2	2798.3	2803.5	2813.9	2811.3	2808.7	2819.2	2845.2	2850.4	2850.4
15°	2642.0	2730.5	2767.0	2772.2	2790.5	2785.3	2785.3	2795.7	2824.3	2832.2	2829.5
17.5°	2584.6	2694.0	2735.8	2743.5	2756.6	2754.0	2756.6	2767.0	2793.0	2798.3	2800.9
20°	2519.5	2644.6	2694.0	2701.8	2715.0	2715.0	2715.0	2728.0	2754.0	2764.4	2764.4
22.5°	2430.9	2592.5	2644.6	2649.8	2665.4	2665.4	2670.6	2688.8	2712.3	2715.0	2715.0
25°	2326.7	2535.1	2579.4	2595.1	2610.7	2618.5	2626.3	2636.8	2644.6	2642.0	2644.6
27.5°	2217.2	2462.1	2519.5	2529.9	2550.8	2558.6	2569.0	2571.6	2574.2	2582.0	2576.8
30°	2094.8	2360.6	2446.6	2457.0	2490.8	2496.1	2485.6	2490.8	2503.8	2509.1	2514.3
32.5°	1956.7	2209.4	2371.0	2394.4	2425.7	2410.1	2407.4	2415.3	2436.1	2436.1	2441.3
35°	1769.1	2092.2	2300.6	2321.4	2344.9	2326.7	2337.1	2339.7	2352.8	2360.6	2357.9
37.5°	1563.3	1990.5	2227.7	2243.3	2261.6	2238.1	2253.7	2261.6	2271.9	2266.8	2266.8
40°	1380.9	1831.7	2141.7	2152.1	2167.7	2149.5	2165.2	2170.4	2175.6	2170.4	2167.7
42.5°	1245.4	1657.1	2050.5	2063.5	2053.1	2066.2	2071.4	2081.7	2074.0	2063.5	2063.5
45°	1141.2	1610.1	1951.5	1967.2	1951.5	1972.4	1980.2	1980.2	1956.7	1951.5	1948.9
47.5°	1107.4	1516.4	1852.5	1852.5	1844.7	1870.7	1883.8	1865.5	1842.0	1834.3	1834.3
50°	1104.7	1412.1	1717.0	1706.6	1743.1	1774.3	1761.3	1743.1	1724.8	1696.1	1696.1
52.5°	1003.2	1284.5	1542.4	1581.5	1638.8	1657.1	1636.3	1618.0	1586.8	1573.8	1563.3
55°	930.2	1151.6	1383.6	1461.6	1521.6	1545.1	1505.9	1487.8	1440.8	1433.1	1427.8
57.5°	914.5	958.8	1237.6	1336.6	1409.6	1406.9	1383.6	1349.6	1310.6	1302.7	1300.1
60°	839.0	693.1	1081.2	1198.5	1274.1	1266.2	1245.4	1214.2	1177.7	1172.5	1167.2
62.5°	760.8	502.9	904.1	1037.0	1143.8	1141.2	1123.0	1076.0	1050.0	1037.0	1026.5
65°	646.1	422.1	643.6	862.5	1016.2	1021.3	982.3	948.4	919.7	904.1	901.5
67.5°	492.4	343.9	435.1	719.1	893.7	888.5	839.0	823.3	786.8	779.0	763.4
70°	364.7	229.2	302.2	583.6	773.8	760.8	721.8	703.5	669.6	651.4	640.9
72.5°	302.2	185.0	221.5	453.4	651.4	635.8	601.9	581.0	552.4	536.7	526.3
75°	244.9	195.4	169.4	336.1	528.9	518.5	487.2	466.4	442.9	422.1	424.7
77.5°	179.7	182.4	135.5	247.5	419.4	403.9	385.6	359.6	349.1	328.3	328.3
80°	135.5	143.3	101.7	169.4	302.2	302.2	286.6	268.4	250.1	239.7	239.7
82.5°	91.2	91.2	75.5	106.8	205.9	198.0	187.6	182.4	172.0	166.7	166.7
85°	41.7	52.1	46.9	65.2	112.0	117.2	117.2	112.0	109.4	104.2	106.8
87.5°	13.0	23.5	28.7	36.5	57.3	59.9	62.5	62.5	62.5	65.2	65.2
90°	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5	31.2	31.2
92.5°	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0	155.9	149.7
95°	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7	529.1	510.4
97.5°	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1	1221.4	1185.7
100°	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5	1715.1	1672.6
102.5°	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4	2136.8	2100.3
105°	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7	2628.9	2609.3
107.5°	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6	2884.7	2889.5
110°	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9	2950.4	2970.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2	2908.6	2940.0
115°	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8	2766.7	2810.2
117.5°	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6	2570.6	2618.8
120°	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4	2438.6	2485.4
122.5°	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0	2306.5	2352.8
125°	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7	2131.8	2174.4
127.5°	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5	1991.5	2027.4
130°	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2	1903.0	1936.1
132.5°	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0	1827.5	1857.1
135°	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6	1720.9	1746.5
137.5°	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6	1642.1	1663.1
140°	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6	1579.0	1598.6
142.5°	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0	1534.7	1551.6
145°	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0	1468.3	1481.0
147.5°	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8	1412.4	1423.0
150°	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5	1380.5	1389.1
152.5°	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6	1355.1	1361.6
155°	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3	1324.7	1328.9
157.5°	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8	1298.5	1301.4
160°	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1	1285.3	1287.1
162.5°	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8	1273.0	1274.7
165°	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3	1254.2	1256.0
167.5°	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6	1245.9	1246.6
170°	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6	1245.9	1245.9
172.5°	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2	1239.4	1238.8
175°	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1	1230.3	1230.3
177.5°	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6	1228.8	1228.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2824.3	2816.5	2824.3	2819.2	2821.7	2813.9	2790.5	2782.7	2790.5	2798.3	2798.3
5°	2858.2	2853.0	2858.2	2858.2	2855.7	2850.4	2824.3	2819.2	2824.3	2827.0	2821.7
7.5°	2868.7	2860.8	2868.7	2863.4	2863.4	2858.2	2832.2	2827.0	2829.5	2837.4	2829.5
10°	2868.7	2860.8	2868.7	2866.0	2863.4	2858.2	2832.2	2821.7	2821.7	2829.5	2821.7
12.5°	2855.7	2850.4	2855.7	2850.4	2850.4	2845.2	2819.2	2808.7	2811.3	2813.9	2803.5
15°	2834.8	2827.0	2834.8	2829.5	2832.2	2824.3	2795.7	2785.3	2785.3	2790.5	2772.2
17.5°	2803.5	2793.0	2803.5	2800.9	2798.3	2793.0	2767.0	2756.6	2754.0	2756.6	2743.5
20°	2767.0	2759.2	2767.0	2764.4	2764.4	2754.0	2728.0	2715.0	2715.0	2715.0	2701.8
22.5°	2709.7	2701.8	2709.7	2715.0	2715.0	2712.3	2688.8	2670.6	2665.4	2665.4	2649.8
25°	2644.6	2636.8	2644.6	2644.6	2642.0	2644.6	2636.8	2626.3	2618.5	2610.7	2595.1
27.5°	2582.0	2576.8	2582.0	2576.8	2582.0	2574.2	2571.6	2569.0	2558.6	2550.8	2529.9
30°	2519.5	2514.3	2519.5	2514.3	2509.1	2503.8	2490.8	2485.6	2496.1	2490.8	2457.0
32.5°	2441.3	2436.1	2441.3	2441.3	2436.1	2436.1	2415.3	2407.4	2410.1	2425.7	2394.4
35°	2360.6	2352.8	2360.6	2357.9	2360.6	2352.8	2339.7	2337.1	2326.7	2344.9	2321.4
37.5°	2266.8	2258.9	2266.8	2266.8	2266.8	2271.9	2261.6	2253.7	2238.1	2261.6	2243.3
40°	2170.4	2159.9	2170.4	2167.7	2170.4	2175.6	2170.4	2165.2	2149.5	2167.7	2152.1
42.5°	2060.9	2058.4	2060.9	2063.5	2063.5	2074.0	2081.7	2071.4	2066.2	2053.1	2063.5
45°	1943.7	1938.5	1943.7	1948.9	1951.5	1956.7	1980.2	1980.2	1972.4	1951.5	1967.2
47.5°	1818.6	1805.6	1818.6	1834.3	1834.3	1842.0	1865.5	1883.8	1870.7	1844.7	1852.5
50°	1685.8	1688.3	1685.8	1696.1	1696.1	1724.8	1743.1	1761.3	1774.3	1743.1	1706.6
52.5°	1555.5	1552.9	1555.5	1563.3	1573.8	1586.8	1618.0	1636.3	1657.1	1638.8	1581.5
55°	1425.2	1430.4	1425.2	1427.8	1433.1	1440.8	1487.8	1505.9	1545.1	1521.6	1461.6
57.5°	1294.9	1287.1	1294.9	1300.1	1302.7	1310.6	1349.6	1383.6	1406.9	1409.6	1336.6
60°	1143.8	1133.4	1143.8	1167.2	1172.5	1177.7	1214.2	1245.4	1266.2	1274.1	1198.5
62.5°	1010.9	992.7	1010.9	1026.5	1037.0	1050.0	1076.0	1123.0	1141.2	1143.8	1037.0
65°	870.2	862.5	870.2	901.5	904.1	919.7	948.4	982.3	1021.3	1016.2	862.5
67.5°	742.6	742.6	742.6	763.4	779.0	786.8	823.3	839.0	888.5	893.7	719.1
70°	625.3	622.8	625.3	640.9	651.4	669.6	703.5	721.8	760.8	773.8	583.6
72.5°	513.3	510.6	513.3	526.3	536.7	552.4	581.0	601.9	635.8	651.4	453.4
75°	414.3	409.1	414.3	424.7	422.1	442.9	466.4	487.2	518.5	528.9	336.1
77.5°	317.9	317.9	317.9	328.3	328.3	349.1	359.6	385.6	403.9	419.4	247.5
80°	237.1	234.5	237.1	239.7	239.7	250.1	268.4	286.6	302.2	302.2	169.4
82.5°	166.7	161.5	166.7	166.7	166.7	172.0	182.4	187.6	198.0	205.9	106.8
85°	104.2	104.2	104.2	106.8	104.2	109.4	112.0	117.2	117.2	112.0	65.2
87.5°	67.7	65.2	67.7	65.2	65.2	62.5	62.5	62.5	59.9	57.3	36.5
90°	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5	36.1	23.0
92.5°	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2	222.5	158.4
95°	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6	547.6	308.4
97.5°	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6	737.7	338.8
100°	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1	806.8	364.2
102.5°	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1	838.5	389.6
105°	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7	862.1	427.3
107.5°	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5	866.5	483.1
110°	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6	859.9	514.3



TEST NUMBER: P935293

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1	860.2	552.1
115°	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1	868.1	608.7
117.5°	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4	884.2	663.6
120°	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4	897.4	695.5
122.5°	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0	916.2	733.3
125°	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9	941.6	781.7
127.5°	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9	967.1	828.4
130°	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7	985.6	859.6
132.5°	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9	1000.7	885.0
135°	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8	1017.2	914.6
137.5°	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9	1041.7	952.3
140°	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1	1056.7	977.7
142.5°	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2	1069.3	996.6
145°	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3	1085.8	1025.3
147.5°	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3	1109.8	1061.4
150°	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5	1122.4	1080.3
152.5°	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2	1130.5	1092.6
155°	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2	1148.6	1119.6
157.5°	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3	1166.6	1146.7
160°	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0	1174.9	1159.0
162.5°	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9	1183.6	1172.2
165°	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1	1196.2	1191.0
167.5°	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8	1206.0	1201.6
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6	1214.3	1214.0
172.5°	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4	1219.7	1222.1
177.5°	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7	1220.3	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935293

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2793.0	2777.5	2777.5	2751.4	2741.0	2733.2	2720.1	2681.0	2670.6	2660.2	2675.8
5°	2816.5	2787.8	2767.0	2720.1	2681.0	2665.4	2615.9	2522.1	2459.6	2412.6	2386.6
7.5°	2821.7	2785.3	2746.2	2673.2	2579.4	2537.8	2386.6	2214.7	2167.7	2126.1	2100.0
10°	2816.5	2774.8	2720.1	2610.7	2389.2	2316.3	2165.2	2053.1	2024.5	2016.7	2024.5
12.5°	2798.3	2759.2	2683.6	2501.3	2191.2	2141.7	2053.1	1988.0	1982.7	1995.8	2066.2
15°	2767.0	2730.5	2642.0	2355.4	2081.7	2045.3	1982.7	1959.3	1988.0	2079.2	2290.2
17.5°	2735.8	2694.0	2584.6	2212.1	1998.4	1972.4	1928.0	1975.0	2136.5	2258.9	2329.3
20°	2694.0	2644.6	2519.5	2107.9	1938.5	1915.0	1894.2	2105.2	2227.7	2271.9	2311.1
22.5°	2644.6	2592.5	2430.9	2034.9	1876.0	1857.7	1870.7	2178.2	2227.7	2258.9	2292.8
25°	2579.4	2535.1	2326.7	1977.5	1826.5	1805.6	1855.1	2170.4	2199.0	2206.9	2274.6
27.5°	2519.5	2462.1	2217.2	1925.5	1766.5	1758.7	1868.2	2136.5	2157.4	2165.2	2238.1
30°	2446.6	2360.6	2094.8	1870.7	1704.0	1701.3	1870.7	2094.8	2089.6	2110.4	2183.4
32.5°	2371.0	2209.4	1956.7	1803.0	1644.1	1641.5	1852.5	2032.2	2027.0	2055.7	2110.4
35°	2300.6	2092.2	1769.1	1724.8	1568.5	1571.1	1808.2	1959.3	1961.9	1988.0	2021.9
37.5°	2227.7	1990.5	1563.3	1638.8	1495.6	1495.6	1748.3	1891.5	1886.4	1894.2	1941.0
40°	2141.7	1831.7	1380.9	1526.8	1427.8	1419.9	1675.3	1818.6	1800.3	1797.8	1862.9
42.5°	2050.5	1657.1	1245.4	1378.3	1349.6	1339.2	1586.8	1730.0	1696.1	1704.0	1787.3
45°	1951.5	1610.1	1141.2	1164.7	1268.9	1261.1	1490.3	1628.4	1605.0	1625.8	1711.8
47.5°	1852.5	1516.4	1107.4	966.7	1182.9	1180.2	1383.6	1529.4	1516.4	1537.3	1628.4
50°	1717.0	1412.1	1104.7	828.5	1086.5	1096.9	1255.9	1433.1	1433.1	1451.3	1547.6
52.5°	1542.4	1284.5	1003.2	750.3	974.5	1005.7	1143.8	1349.6	1354.9	1373.1	1459.1
55°	1383.6	1151.6	930.2	690.5	841.6	909.3	1034.4	1263.7	1274.1	1292.4	1370.4
57.5°	1237.6	958.8	914.5	620.1	719.1	784.3	938.0	1180.2	1185.5	1201.1	1276.7
60°	1081.2	693.1	839.0	544.6	612.3	661.8	849.3	1081.2	1099.5	1109.9	1175.1
62.5°	904.1	502.9	760.8	492.4	560.1	570.6	776.5	987.5	1010.9	1018.7	1057.8
65°	643.6	422.1	646.1	448.1	505.4	508.1	698.3	891.0	912.0	925.0	953.6
67.5°	435.1	343.9	492.4	406.4	463.8	466.4	622.8	779.0	807.7	818.1	836.3
70°	302.2	229.2	364.7	362.2	416.9	422.1	541.9	677.4	703.5	711.3	721.8
72.5°	221.5	185.0	302.2	325.7	367.4	372.6	458.6	562.8	588.8	596.6	601.9
75°	169.4	195.4	244.9	284.0	312.7	315.2	375.2	458.6	476.8	482.1	484.6
77.5°	135.5	182.4	179.7	229.2	255.4	250.1	294.4	354.4	369.9	369.9	369.9
80°	101.7	143.3	135.5	164.2	187.6	182.4	211.0	252.7	257.9	263.2	260.5
82.5°	75.5	91.2	91.2	104.2	125.0	119.9	140.7	164.2	164.2	164.2	169.4
85°	46.9	52.1	41.7	54.7	70.3	67.7	78.2	88.5	91.2	91.2	86.0
87.5°	28.7	23.5	13.0	20.8	31.3	31.3	36.5	39.0	36.5	36.5	36.5
90°	21.3	14.8	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5
92.5°	144.4	88.6	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0
95°	282.9	180.8	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7
97.5°	316.3	226.2	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1
100°	343.8	262.1	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5
102.5°	370.5	294.3	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4
105°	411.2	346.7	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7
107.5°	468.1	407.9	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6
110°	500.7	446.4	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9



TEST NUMBER: P935293

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	539.1	487.3	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2
115°	596.7	548.9	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8
117.5°	652.7	609.3	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6
120°	685.4	644.5	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4
122.5°	723.0	681.8	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0
125°	772.3	734.8	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7
127.5°	819.0	781.0	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5
130°	849.3	808.5	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2
132.5°	874.8	834.0	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0
135°	905.3	868.1	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6
137.5°	943.1	906.2	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6
140°	969.2	935.3	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6
142.5°	988.8	957.4	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0
145°	1018.5	991.1	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0
147.5°	1054.7	1028.1	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8
150°	1074.2	1050.2	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5
152.5°	1088.1	1069.8	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6
155°	1116.3	1102.7	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3
157.5°	1143.5	1130.3	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8
160°	1156.5	1146.3	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1
162.5°	1170.3	1162.6	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8
165°	1189.2	1182.3	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3
167.5°	1200.8	1197.5	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6
170°	1213.2	1209.8	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6
172.5°	1214.6	1213.9	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2
175°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1
177.5°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935293

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2657.6	2649.8	2660.2	2631.5	2660.2	2649.8	2657.6	2675.8	2660.2	2670.6	2681.0
5°	2331.9	2318.9	2277.2	2243.3	2277.2	2318.9	2331.9	2386.6	2412.6	2459.6	2522.1
7.5°	2084.4	2074.0	2063.5	2042.7	2063.5	2074.0	2084.4	2100.0	2126.1	2167.7	2214.7
10°	2029.7	2032.2	2047.9	2045.3	2047.9	2032.2	2029.7	2024.5	2016.7	2024.5	2053.1
12.5°	2170.4	2193.8	2279.8	2274.6	2279.8	2193.8	2170.4	2066.2	1995.8	1982.7	1988.0
15°	2331.9	2339.7	2357.9	2360.6	2357.9	2339.7	2331.9	2290.2	2079.2	1988.0	1959.3
17.5°	2347.6	2350.1	2363.1	2363.1	2363.1	2350.1	2347.6	2329.3	2258.9	2136.5	1975.0
20°	2334.6	2339.7	2365.8	2371.0	2365.8	2339.7	2334.6	2311.1	2271.9	2227.7	2105.2
22.5°	2329.3	2339.7	2360.6	2357.9	2360.6	2339.7	2329.3	2292.8	2258.9	2227.7	2178.2
25°	2303.2	2303.2	2305.9	2308.4	2305.9	2303.2	2303.2	2274.6	2206.9	2199.0	2170.4
27.5°	2248.6	2253.7	2269.4	2266.8	2269.4	2253.7	2248.6	2238.1	2165.2	2157.4	2136.5
30°	2199.0	2193.8	2180.7	2170.4	2180.7	2193.8	2199.0	2183.4	2110.4	2089.6	2094.8
32.5°	2115.7	2102.6	2089.6	2081.7	2089.6	2102.6	2115.7	2110.4	2055.7	2027.0	2032.2
35°	2016.7	2019.2	2016.7	2008.8	2016.7	2019.2	2016.7	2021.9	1988.0	1961.9	1959.3
37.5°	1946.3	1951.5	1948.9	1938.5	1948.9	1951.5	1946.3	1941.0	1894.2	1886.4	1891.5
40°	1873.3	1876.0	1873.3	1865.5	1873.3	1876.0	1873.3	1862.9	1797.8	1800.3	1818.6
42.5°	1803.0	1800.3	1792.5	1787.3	1792.5	1800.3	1803.0	1787.3	1704.0	1696.1	1730.0
45°	1722.2	1724.8	1709.2	1701.3	1709.2	1724.8	1722.2	1711.8	1625.8	1605.0	1628.4
47.5°	1641.5	1641.5	1628.4	1620.6	1628.4	1641.5	1641.5	1628.4	1537.3	1516.4	1529.4
50°	1555.5	1552.9	1534.6	1532.0	1534.6	1552.9	1555.5	1547.6	1451.3	1433.1	1433.1
52.5°	1456.4	1456.4	1459.1	1464.3	1459.1	1456.4	1456.4	1459.1	1373.1	1354.9	1349.6
55°	1370.4	1373.1	1391.3	1396.6	1391.3	1373.1	1370.4	1370.4	1292.4	1274.1	1263.7
57.5°	1281.9	1281.9	1294.9	1294.9	1294.9	1281.9	1281.9	1276.7	1201.1	1185.5	1180.2
60°	1180.2	1185.5	1195.9	1193.4	1195.9	1185.5	1180.2	1175.1	1109.9	1099.5	1081.2
62.5°	1073.5	1078.7	1081.2	1076.0	1081.2	1078.7	1073.5	1057.8	1018.7	1010.9	987.5
65°	961.4	966.7	969.2	964.0	969.2	966.7	961.4	953.6	925.0	912.0	891.0
67.5°	846.8	844.2	841.6	852.0	841.6	844.2	846.8	836.3	818.1	807.7	779.0
70°	729.5	729.5	726.9	732.1	726.9	729.5	729.5	721.8	711.3	703.5	677.4
72.5°	604.5	601.9	612.3	604.5	612.3	601.9	604.5	601.9	596.6	588.8	562.8
75°	482.1	487.2	482.1	489.8	482.1	487.2	482.1	484.6	482.1	476.8	458.6
77.5°	367.4	372.6	367.4	367.4	367.4	372.6	367.4	369.9	369.9	369.9	354.4
80°	260.5	257.9	257.9	255.4	257.9	257.9	260.5	260.5	263.2	257.9	252.7
82.5°	166.7	164.2	164.2	169.4	164.2	164.2	166.7	169.4	164.2	164.2	164.2
85°	91.2	93.8	88.5	88.5	88.5	93.8	91.2	86.0	91.2	91.2	88.5
87.5°	33.9	31.3	31.3	31.3	31.3	31.3	33.9	36.5	36.5	36.5	39.0
90°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5
92.5°	155.9	149.7	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2
95°	529.1	510.4	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6
97.5°	1221.4	1185.7	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6
100°	1715.1	1672.6	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1
102.5°	2136.8	2100.3	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1
105°	2628.9	2609.3	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7
107.5°	2884.7	2889.5	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5
110°	2950.4	2970.8	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2908.6	2940.0	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1
115°	2766.7	2810.2	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1
117.5°	2570.6	2618.8	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4
120°	2438.6	2485.4	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4
122.5°	2306.5	2352.8	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0
125°	2131.8	2174.4	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9
127.5°	1991.5	2027.4	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9
130°	1903.0	1936.1	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7
132.5°	1827.5	1857.1	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9
135°	1720.9	1746.5	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8
137.5°	1642.1	1663.1	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9
140°	1579.0	1598.6	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1
142.5°	1534.7	1551.6	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2
145°	1468.3	1481.0	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3
147.5°	1412.4	1423.0	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3
150°	1380.5	1389.1	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5
152.5°	1355.1	1361.6	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2
155°	1324.7	1328.9	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2
157.5°	1298.5	1301.4	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3
160°	1285.3	1287.1	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0
162.5°	1273.0	1274.7	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9
165°	1254.2	1256.0	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1
167.5°	1245.9	1246.6	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6
172.5°	1239.4	1238.8	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4
177.5°	1228.8	1228.1	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2720.1	2733.2	2741.0	2751.4	2777.5
5°	2615.9	2665.4	2681.0	2720.1	2767.0
7.5°	2386.6	2537.8	2579.4	2673.2	2746.2
10°	2165.2	2316.3	2389.2	2610.7	2720.1
12.5°	2053.1	2141.7	2191.2	2501.3	2683.6
15°	1982.7	2045.3	2081.7	2355.4	2642.0
17.5°	1928.0	1972.4	1998.4	2212.1	2584.6
20°	1894.2	1915.0	1938.5	2107.9	2519.5
22.5°	1870.7	1857.7	1876.0	2034.9	2430.9
25°	1855.1	1805.6	1826.5	1977.5	2326.7
27.5°	1868.2	1758.7	1766.5	1925.5	2217.2
30°	1870.7	1701.3	1704.0	1870.7	2094.8
32.5°	1852.5	1641.5	1644.1	1803.0	1956.7
35°	1808.2	1571.1	1568.5	1724.8	1769.1
37.5°	1748.3	1495.6	1495.6	1638.8	1563.3
40°	1675.3	1419.9	1427.8	1526.8	1380.9
42.5°	1586.8	1339.2	1349.6	1378.3	1245.4
45°	1490.3	1261.1	1268.9	1164.7	1141.2
47.5°	1383.6	1180.2	1182.9	966.7	1107.4
50°	1255.9	1096.9	1086.5	828.5	1104.7
52.5°	1143.8	1005.7	974.5	750.3	1003.2
55°	1034.4	909.3	841.6	690.5	930.2
57.5°	938.0	784.3	719.1	620.1	914.5
60°	849.3	661.8	612.3	544.6	839.0
62.5°	776.5	570.6	560.1	492.4	760.8
65°	698.3	508.1	505.4	448.1	646.1
67.5°	622.8	466.4	463.8	406.4	492.4
70°	541.9	422.1	416.9	362.2	364.7
72.5°	458.6	372.6	367.4	325.7	302.2
75°	375.2	315.2	312.7	284.0	244.9
77.5°	294.4	250.1	255.4	229.2	179.7
80°	211.0	182.4	187.6	164.2	135.5
82.5°	140.7	119.9	125.0	104.2	91.2
85°	78.2	67.7	70.3	54.7	41.7
87.5°	36.5	31.3	31.3	20.8	13.0
90°	36.1	23.0	21.3	14.8	8.2
92.5°	222.5	158.4	144.4	88.6	32.8
95°	547.6	308.4	282.9	180.8	78.8
97.5°	737.7	338.8	316.3	226.2	136.2
100°	806.8	364.2	343.8	262.1	180.4
102.5°	838.5	389.6	370.5	294.3	218.2
105°	862.1	427.3	411.2	346.7	282.2
107.5°	866.5	483.1	468.1	407.9	347.8
110°	859.9	514.3	500.7	446.4	392.0



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CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	860.2	552.1	539.1	487.3	435.5
115°	868.1	608.7	596.7	548.9	501.2
117.5°	884.2	663.6	652.7	609.3	566.0
120°	897.4	695.5	685.4	644.5	603.7
122.5°	916.2	733.3	723.0	681.8	640.6
125°	941.6	781.7	772.3	734.8	697.2
127.5°	967.1	828.4	819.0	781.0	743.1
130°	985.6	859.6	849.3	808.5	767.7
132.5°	1000.7	885.0	874.8	834.0	793.1
135°	1017.2	914.6	905.3	868.1	830.9
137.5°	1041.7	952.3	943.1	906.2	869.5
140°	1056.7	977.7	969.2	935.3	901.4
142.5°	1069.3	996.6	988.8	957.4	926.1
145°	1085.8	1025.3	1018.5	991.1	963.8
147.5°	1109.8	1061.4	1054.7	1028.1	1001.5
150°	1122.4	1080.3	1074.2	1050.2	1026.1
152.5°	1130.5	1092.6	1088.1	1069.8	1051.6
155°	1148.6	1119.6	1116.3	1102.7	1089.2
157.5°	1166.6	1146.7	1143.5	1130.3	1117.1
160°	1174.9	1159.0	1156.5	1146.3	1136.1
162.5°	1183.6	1172.2	1170.3	1162.6	1154.9
165°	1196.2	1191.0	1189.2	1182.3	1175.4
167.5°	1206.0	1201.6	1200.8	1197.5	1194.2
170°	1214.3	1214.0	1213.2	1209.8	1206.6
172.5°	1214.8	1214.8	1214.6	1213.9	1213.2
175°	1219.7	1222.1	1222.1	1222.1	1222.1
177.5°	1220.3	1222.1	1222.1	1222.1	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1



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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	13.42	14.25	14.39	15.25	16.55	16.25	17.09	17.23	18.08	19.39
	3H	13.89	14.64	14.88	15.64	16.97	17.60	18.35	18.59	19.35	20.68
	4H	14.08	14.79	15.08	15.80	17.13	18.04	18.76	19.05	19.76	21.10
	6H	14.20	14.85	15.21	15.86	17.21	18.33	18.98	19.34	19.99	21.34
	8H	14.20	14.82	15.22	15.85	17.19	18.40	19.03	19.42	20.05	21.40
	12H	14.17	14.76	15.19	15.78	17.15	18.44	19.04	19.47	20.06	21.43
4H	2H	14.45	15.16	15.46	16.16	17.50	16.66	17.37	17.67	18.37	19.71
	3H	15.47	16.06	16.49	17.10	18.45	18.17	18.76	19.18	19.79	21.14
	4H	15.75	16.29	16.77	17.31	18.69	18.69	19.24	19.72	20.26	21.64
	6H	15.87	16.34	16.91	17.39	18.76	19.06	19.53	20.10	20.58	21.95
	8H	15.88	16.31	16.91	17.35	18.74	19.17	19.60	20.20	20.64	22.03
	12H	15.84	16.24	16.90	17.29	18.68	19.22	19.62	20.28	20.67	22.06
8H	4H	16.20	16.64	17.24	17.68	19.06	18.82	19.25	19.85	20.29	21.68
	6H	16.46	16.82	17.52	17.90	19.29	19.25	19.61	20.32	20.70	22.08
	8H	16.50	16.82	17.57	17.89	19.29	19.41	19.72	20.48	20.79	22.19
	12H	16.49	16.76	17.56	17.83	19.27	19.51	19.78	20.58	20.85	22.29
12H	4H	16.21	16.60	17.26	17.66	19.05	18.78	19.17	19.84	20.23	21.62
	6H	16.52	16.84	17.59	17.91	19.31	19.25	19.57	20.32	20.64	22.04
	8H	16.59	16.87	17.66	17.93	19.37	19.41	19.69	20.49	20.75	22.20