

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: P935248

Luminaire Tested: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

**Test Information**

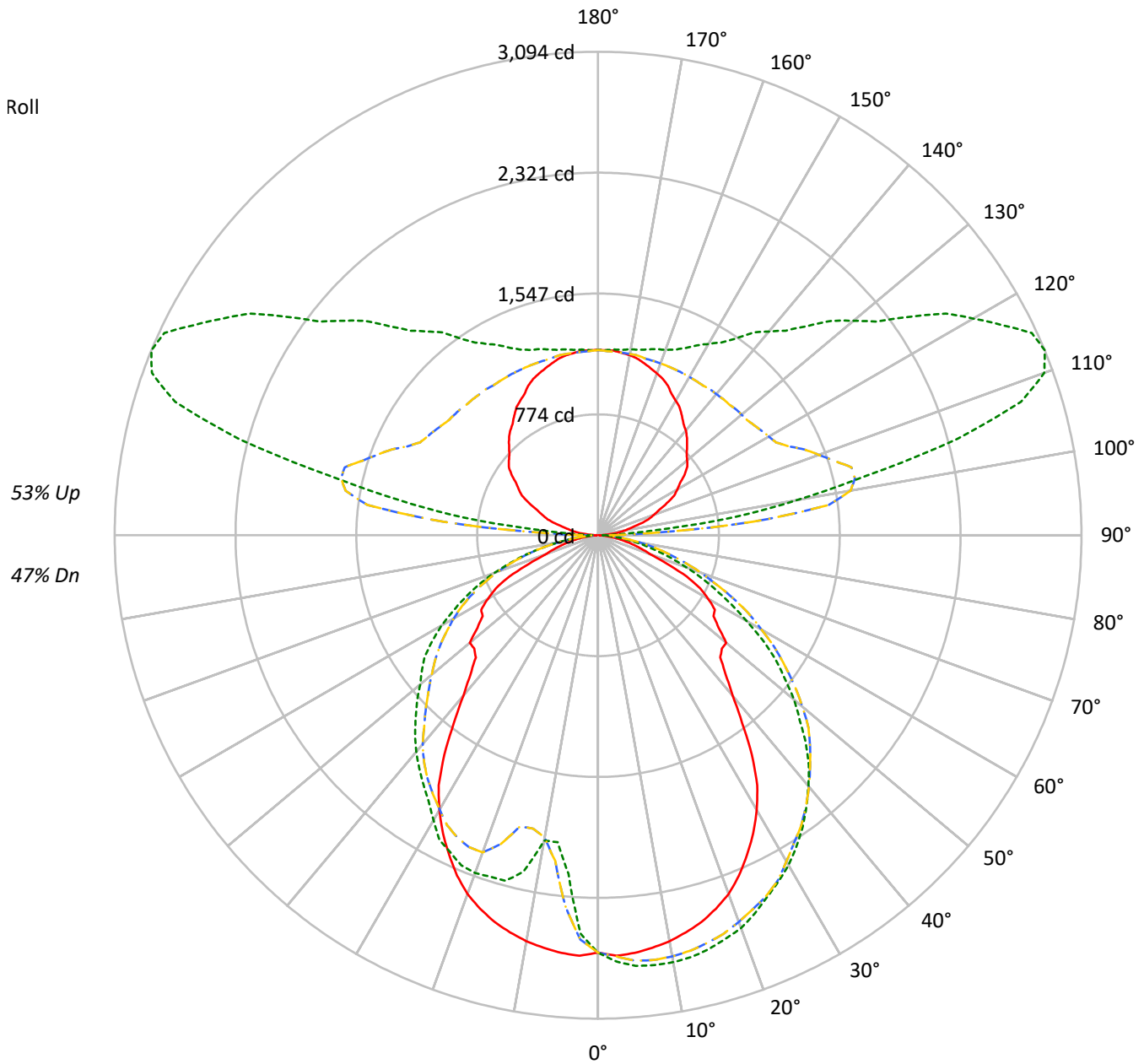
Test Method: LM-79-2019  
Report Number: P935248  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14612.6 lumens  
Efficiency: N/A  
Efficacy: 126.0 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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CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K

### 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	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°	12391	12391	12391	12391
5°	12484	12508	12484	9835
10°	12400	12321	12400	8809
15°	12265	12054	12265	10066
20°	12009	11738	12009	10087
25°	11484	11277	11484	9873
30°	10805	10894	10805	9404
35°	9633	10410	9633	8888
40°	8026	9839	8026	8498
45°	7172	9172	7172	8050
50°	7619	8376	7619	7600
55°	7169	7518	7169	7341
60°	7390	6385	7390	6723
65°	6699	5279	6699	5900
70°	4639	4207	4639	4946
75°	4068	3110	4068	3723
80°	3278	2056	3278	2239
85°	1882	1089	1882	925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10992 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.1	1.6
10°-20°	684.5	4.7
20°-30°	1058.1	7.2
30°-40°	1263.2	8.6
40°-50°	1270.6	8.7
50°-60°	1105.5	7.6
60°-70°	783.8	5.4
70°-80°	414.7	2.8
80°-90°	107.8	0.7
90°-100°	577.8	4.0
100°-110°	1518.9	10.4
110°-120°	1574.9	10.8
120°-130°	1263.3	8.6
130°-140°	991.2	6.8
140°-150°	760.8	5.2
150°-160°	547.9	3.7
160°-170°	335.2	2.3
170°-180°	113.3	0.8
0°-30°	1983.7	13.6
0°-40°	3246.8	22.2
0°-60°	5622.9	38.5
0°-90°	6929.3	47.4
90°-120°	3671.6	25.1
90°-150°	6686.9	45.8
90°-180°	7683.0	52.6
0°-180°	14612.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2683	2767	2683	2176	2683	255
15°	2562	2742	2562	2289	2562	721
25°	2256	2557	2256	2239	2256	1036
35°	1716	2282	1716	1948	1716	1061
45°	1107	1880	1107	1650	1107	887
55°	902	1387	902	1354	902	829
65°	627	836	627	935	627	599
75°	238	397	238	475	238	250
85°	40	101	40	86	40	55
90°	8	30	8	30	8	8
95°	76	349	76	349	76	85
105°	274	2378	274	2378	274	290
115°	486	3062	486	3062	486	480
125°	676	2439	676	2439	676	600
135°	806	1892	806	1892	806	623
145°	935	1535	935	1535	935	586
155°	1056	1322	1056	1322	1056	485
165°	1140	1231	1140	1231	1140	322
175°	1185	1193	1185	1193	1185	113
180°	1185	1185	1185	1185	1185	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2693.5	2693.5	2708.6	2713.7	2713.7	2706.1	2698.6	2706.1	2728.9	2736.4	2733.9
5°	2683.4	2703.5	2731.4	2736.4	2741.5	2738.9	2733.9	2738.9	2764.3	2769.3	2771.8
7.5°	2663.2	2701.1	2736.4	2744.0	2751.6	2744.0	2741.5	2746.6	2771.8	2776.9	2776.9
10°	2637.8	2690.9	2731.4	2736.4	2744.0	2736.4	2736.4	2746.6	2771.8	2776.9	2779.4
12.5°	2602.5	2675.8	2713.7	2718.7	2728.9	2726.3	2723.8	2733.9	2759.2	2764.3	2764.3
15°	2562.1	2648.0	2683.4	2688.4	2706.1	2701.1	2701.1	2711.2	2738.9	2746.6	2744.0
17.5°	2506.5	2612.6	2653.1	2660.6	2673.2	2670.7	2673.2	2683.4	2708.6	2713.7	2716.3
20°	2443.4	2564.6	2612.6	2620.2	2632.9	2632.9	2632.9	2645.5	2670.7	2680.9	2680.9
22.5°	2357.4	2514.1	2564.6	2569.7	2584.8	2584.8	2589.8	2607.5	2630.3	2632.9	2632.9
25°	2256.3	2458.5	2501.4	2516.6	2531.8	2539.4	2546.9	2557.1	2564.6	2562.1	2564.6
27.5°	2150.2	2387.7	2443.4	2453.4	2473.7	2481.2	2491.4	2493.8	2496.4	2504.0	2498.9
30°	2031.4	2289.2	2372.6	2382.7	2415.5	2420.6	2410.5	2415.5	2428.2	2433.2	2438.3
32.5°	1897.6	2142.6	2299.4	2322.0	2352.3	2337.2	2334.6	2342.3	2362.5	2362.5	2367.5
35°	1715.6	2028.9	2231.1	2251.3	2274.0	2256.3	2266.5	2269.0	2281.7	2289.2	2286.6
37.5°	1516.0	1930.4	2160.3	2175.5	2193.2	2170.5	2185.6	2193.2	2203.3	2198.3	2198.3
40°	1339.1	1776.3	2076.9	2087.1	2102.2	2084.5	2099.7	2104.8	2109.8	2104.8	2102.2
42.5°	1207.8	1607.0	1988.5	2001.1	1991.1	2003.7	2008.8	2018.8	2011.3	2001.1	2001.1
45°	1106.7	1561.5	1892.5	1907.7	1892.5	1912.8	1920.3	1920.3	1897.6	1892.5	1890.0
47.5°	1073.9	1470.5	1796.5	1796.5	1788.9	1814.2	1826.8	1809.1	1786.4	1778.8	1778.8
50°	1071.3	1369.5	1665.1	1655.0	1690.4	1720.7	1708.0	1690.4	1672.7	1644.8	1644.8
52.5°	972.8	1245.6	1495.8	1533.7	1589.3	1607.0	1586.8	1569.1	1538.8	1526.2	1516.0
55°	902.1	1116.8	1341.7	1417.5	1475.6	1498.4	1460.4	1442.8	1397.3	1389.7	1384.7
57.5°	886.9	929.8	1200.2	1296.2	1367.0	1364.4	1341.7	1308.8	1271.0	1263.3	1260.8
60°	813.6	672.1	1048.6	1162.3	1235.6	1227.9	1207.8	1177.5	1142.1	1137.0	1131.9
62.5°	737.8	487.7	876.7	1005.6	1109.2	1106.7	1089.0	1043.5	1018.2	1005.6	995.5
65°	626.6	409.3	624.1	836.4	985.5	990.4	952.6	919.8	891.9	876.7	874.2
67.5°	477.5	333.5	422.0	697.4	866.7	861.6	813.6	798.4	763.0	755.5	740.3
70°	353.7	222.3	293.1	566.0	750.4	737.8	699.9	682.2	649.4	631.7	621.5
72.5°	293.1	179.4	214.8	439.7	631.7	616.6	583.7	563.5	535.7	520.5	510.4
75°	237.5	189.5	164.3	326.0	512.9	502.9	472.5	452.3	429.5	409.3	411.8
77.5°	174.3	176.9	131.4	240.0	406.8	391.7	374.0	348.7	338.6	318.4	318.4
80°	131.4	138.9	98.6	164.3	293.1	293.1	278.0	260.3	242.6	232.5	232.5
82.5°	88.4	88.4	73.2	103.6	199.7	192.0	182.0	176.9	166.8	161.7	161.7
85°	40.4	50.5	45.5	63.2	108.6	113.7	113.7	108.6	106.1	101.1	103.6
87.5°	12.6	22.8	27.8	35.4	55.6	58.1	60.6	60.6	60.6	63.2	63.2
90°	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3	30.2	30.2
92.5°	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3	151.2	145.2
95°	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7	513.1	494.9
97.5°	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0	1184.4	1149.8
100°	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8	1663.3	1622.0
102.5°	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8	2072.2	2036.8
105°	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3	2549.4	2530.4
107.5°	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0	2797.5	2802.1
110°	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8	2861.2	2881.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7	2820.7	2851.1
115°	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1	2683.1	2725.2
117.5°	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4	2492.9	2539.6
120°	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1	2364.9	2410.3
122.5°	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6	2236.8	2281.7
125°	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1	2067.4	2108.7
127.5°	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8	1931.3	1966.1
130°	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4	1845.5	1877.6
132.5°	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7	1772.2	1801.0
135°	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6	1668.8	1693.7
137.5°	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2	1592.4	1612.8
140°	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5	1531.2	1550.3
142.5°	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9	1488.3	1504.7
145°	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2	1423.9	1436.2
147.5°	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2	1369.7	1380.0
150°	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5	1338.8	1347.1
152.5°	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1	1314.1	1320.4
155°	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5	1284.6	1288.8
157.5°	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5	1259.2	1262.1
160°	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1	1246.5	1248.2
162.5°	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0	1234.5	1236.2
165°	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9	1216.3	1218.0
167.5°	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2	1208.2	1208.9
170°	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2	1208.2	1208.2
172.5°	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0	1201.9	1201.4
175°	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1	1193.1	1193.1
177.5°	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6	1191.6	1190.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2738.9	2731.4	2738.9	2733.9	2736.4	2728.9	2706.1	2698.6	2706.1	2713.7	2713.7
5°	2771.8	2766.7	2771.8	2771.8	2769.3	2764.3	2738.9	2733.9	2738.9	2741.5	2736.4
7.5°	2781.9	2774.3	2781.9	2776.9	2776.9	2771.8	2746.6	2741.5	2744.0	2751.6	2744.0
10°	2781.9	2774.3	2781.9	2779.4	2776.9	2771.8	2746.6	2736.4	2736.4	2744.0	2736.4
12.5°	2769.3	2764.3	2769.3	2764.3	2764.3	2759.2	2733.9	2723.8	2726.3	2728.9	2718.7
15°	2749.1	2741.5	2749.1	2744.0	2746.6	2738.9	2711.2	2701.1	2701.1	2706.1	2688.4
17.5°	2718.7	2708.6	2718.7	2716.3	2713.7	2708.6	2683.4	2673.2	2670.7	2673.2	2660.6
20°	2683.4	2675.8	2683.4	2680.9	2680.9	2670.7	2645.5	2632.9	2632.9	2632.9	2620.2
22.5°	2627.8	2620.2	2627.8	2632.9	2632.9	2630.3	2607.5	2589.8	2584.8	2584.8	2569.7
25°	2564.6	2557.1	2564.6	2564.6	2562.1	2564.6	2557.1	2546.9	2539.4	2531.8	2516.6
27.5°	2504.0	2498.9	2504.0	2498.9	2504.0	2496.4	2493.8	2491.4	2481.2	2473.7	2453.4
30°	2443.4	2438.3	2443.4	2438.3	2433.2	2428.2	2415.5	2410.5	2420.6	2415.5	2382.7
32.5°	2367.5	2362.5	2367.5	2367.5	2362.5	2362.5	2342.3	2334.6	2337.2	2352.3	2322.0
35°	2289.2	2281.7	2289.2	2286.6	2289.2	2281.7	2269.0	2266.5	2256.3	2274.0	2251.3
37.5°	2198.3	2190.6	2198.3	2198.3	2198.3	2203.3	2193.2	2185.6	2170.5	2193.2	2175.5
40°	2104.8	2094.6	2104.8	2102.2	2104.8	2109.8	2104.8	2099.7	2084.5	2102.2	2087.1
42.5°	1998.6	1996.1	1998.6	2001.1	2001.1	2011.3	2018.8	2008.8	2003.7	1991.1	2001.1
45°	1884.9	1879.9	1884.9	1890.0	1892.5	1897.6	1920.3	1920.3	1912.8	1892.5	1907.7
47.5°	1763.6	1751.0	1763.6	1778.8	1778.8	1786.4	1809.1	1826.8	1814.2	1788.9	1796.5
50°	1634.8	1637.3	1634.8	1644.8	1644.8	1672.7	1690.4	1708.0	1720.7	1690.4	1655.0
52.5°	1508.5	1505.9	1508.5	1516.0	1526.2	1538.8	1569.1	1586.8	1607.0	1589.3	1533.7
55°	1382.1	1387.1	1382.1	1384.7	1389.7	1397.3	1442.8	1460.4	1498.4	1475.6	1417.5
57.5°	1255.8	1248.2	1255.8	1260.8	1263.3	1271.0	1308.8	1341.7	1364.4	1367.0	1296.2
60°	1109.2	1099.1	1109.2	1131.9	1137.0	1142.1	1177.5	1207.8	1227.9	1235.6	1162.3
62.5°	980.4	962.7	980.4	995.5	1005.6	1018.2	1043.5	1089.0	1106.7	1109.2	1005.6
65°	843.9	836.4	843.9	874.2	876.7	891.9	919.8	952.6	990.4	985.5	836.4
67.5°	720.1	720.1	720.1	740.3	755.5	763.0	798.4	813.6	861.6	866.7	697.4
70°	606.4	603.9	606.4	621.5	631.7	649.4	682.2	699.9	737.8	750.4	566.0
72.5°	497.8	495.2	497.8	510.4	520.5	535.7	563.5	583.7	616.6	631.7	439.7
75°	401.8	396.7	401.8	411.8	409.3	429.5	452.3	472.5	502.9	512.9	326.0
77.5°	308.3	308.3	308.3	318.4	318.4	338.6	348.7	374.0	391.7	406.8	240.0
80°	230.0	227.4	230.0	232.5	232.5	242.6	260.3	278.0	293.1	293.1	164.3
82.5°	161.7	156.6	161.7	161.7	161.7	166.8	176.9	182.0	192.0	199.7	103.6
85°	101.1	101.1	101.1	103.6	101.1	106.1	108.6	113.7	113.7	108.6	63.2
87.5°	65.7	63.2	65.7	63.2	63.2	60.6	60.6	60.6	58.1	55.6	35.4
90°	30.2	30.2	30.2	30.2	30.2	40.3	53.7	60.4	51.9	35.0	22.3
92.5°	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9	215.8	153.6
95°	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4	531.1	299.1
97.5°	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2	715.4	328.5
100°	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8	782.5	353.2
102.5°	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7	813.1	377.8
105°	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1	836.0	414.4
107.5°	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9	840.3	468.5
110°	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7	833.9	498.8





TEST NUMBER: P935248

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6	834.2	535.4
115°	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4	841.8	590.3
117.5°	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7	857.5	643.5
120°	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2	870.2	674.5
122.5°	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0	888.5	711.1
125°	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0	913.2	758.1
127.5°	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1	937.8	803.4
130°	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8	955.8	833.6
132.5°	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0	970.4	858.3
135°	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9	986.4	887.0
137.5°	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8	1010.2	923.5
140°	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0	1024.8	948.2
142.5°	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0	1037.0	966.4
145°	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1	1053.0	994.3
147.5°	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8	1076.3	1029.3
150°	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8	1088.4	1047.6
152.5°	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5	1096.4	1059.6
155°	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4	1113.9	1085.8
157.5°	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2	1131.4	1112.1
160°	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9	1139.4	1124.0
162.5°	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6	1147.8	1136.7
165°	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7	1160.1	1155.0
167.5°	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2	1169.5	1165.3
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8	1177.6	1177.3
172.5°	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7	1182.8	1185.2
177.5°	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9	1183.4	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935248

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2708.6	2693.5	2693.5	2668.3	2658.1	2650.6	2637.8	2600.0	2589.8	2579.8	2594.9
5°	2731.4	2703.5	2683.4	2637.8	2600.0	2584.8	2536.8	2445.8	2385.2	2339.7	2314.5
7.5°	2736.4	2701.1	2663.2	2592.4	2501.4	2461.0	2314.5	2147.7	2102.2	2061.8	2036.5
10°	2731.4	2690.9	2637.8	2531.8	2317.0	2246.3	2099.7	1991.1	1963.3	1955.7	1963.3
12.5°	2713.7	2675.8	2602.5	2425.7	2124.9	2076.9	1991.1	1927.9	1922.8	1935.4	2003.7
15°	2683.4	2648.0	2562.1	2284.2	2018.8	1983.4	1922.8	1900.1	1927.9	2016.3	2220.9
17.5°	2653.1	2612.6	2506.5	2145.2	1938.0	1912.8	1869.7	1915.3	2071.9	2190.6	2258.9
20°	2612.6	2564.6	2443.4	2044.1	1879.9	1857.1	1836.9	2041.6	2160.3	2203.3	2241.2
22.5°	2564.6	2514.1	2357.4	1973.4	1819.3	1801.6	1814.2	2112.3	2160.3	2190.6	2223.5
25°	2501.4	2458.5	2256.3	1917.7	1771.3	1751.0	1799.0	2104.8	2132.5	2140.2	2205.8
27.5°	2443.4	2387.7	2150.2	1867.3	1713.1	1705.6	1811.7	2071.9	2092.2	2099.7	2170.5
30°	2372.6	2289.2	2031.4	1814.2	1652.5	1649.9	1814.2	2031.4	2026.5	2046.6	2117.4
32.5°	2299.4	2142.6	1897.6	1748.5	1594.4	1591.9	1796.5	1970.8	1965.7	1993.6	2046.6
35°	2231.1	2028.9	1715.6	1672.7	1521.1	1523.6	1753.6	1900.1	1902.6	1927.9	1960.8
37.5°	2160.3	1930.4	1516.0	1589.3	1450.4	1450.4	1695.4	1834.4	1829.4	1836.9	1882.4
40°	2076.9	1776.3	1339.1	1480.7	1384.7	1377.0	1624.7	1763.6	1745.9	1743.4	1806.6
42.5°	1988.5	1607.0	1207.8	1336.7	1308.8	1298.7	1538.8	1677.7	1644.8	1652.5	1733.3
45°	1892.5	1561.5	1106.7	1129.5	1230.5	1223.0	1445.3	1579.2	1556.5	1576.7	1660.0
47.5°	1796.5	1470.5	1073.9	937.5	1147.1	1144.6	1341.7	1483.2	1470.5	1490.8	1579.2
50°	1665.1	1369.5	1071.3	803.5	1053.6	1063.8	1217.9	1389.7	1389.7	1407.4	1500.8
52.5°	1495.8	1245.6	972.8	727.7	945.0	975.3	1109.2	1308.8	1313.9	1331.6	1415.0
55°	1341.7	1116.8	902.1	669.6	816.1	881.8	1003.1	1225.5	1235.6	1253.3	1329.0
57.5°	1200.2	929.8	886.9	601.3	697.4	760.6	909.6	1144.6	1149.6	1164.8	1238.1
60°	1048.6	672.1	813.6	528.1	593.8	641.8	823.7	1048.6	1066.3	1076.4	1139.6
62.5°	876.7	487.7	737.8	477.5	543.2	553.3	753.0	957.6	980.4	987.9	1025.8
65°	624.1	409.3	626.6	434.6	490.1	492.7	677.2	864.1	884.4	897.0	924.7
67.5°	422.0	333.5	477.5	394.1	449.8	452.3	603.9	755.5	783.3	793.4	811.0
70°	293.1	222.3	353.7	351.2	404.3	409.3	525.5	656.9	682.2	689.8	699.9
72.5°	214.8	179.4	293.1	315.8	356.3	361.3	444.7	545.8	571.0	578.6	583.7
75°	164.3	189.5	237.5	275.4	303.2	305.7	363.8	444.7	462.4	467.5	470.0
77.5°	131.4	176.9	174.3	222.3	247.7	242.6	285.5	343.7	358.8	358.8	358.8
80°	98.6	138.9	131.4	159.2	182.0	176.9	204.6	245.1	250.1	255.2	252.6
82.5°	73.2	88.4	88.4	101.1	121.2	116.3	136.4	159.2	159.2	159.2	164.3
85°	45.5	50.5	40.4	53.1	68.2	65.7	75.8	85.9	88.4	88.4	83.4
87.5°	27.8	22.8	12.6	20.2	30.3	30.3	35.4	37.9	35.4	35.4	35.4
90°	20.7	14.3	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3
92.5°	140.1	86.0	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3
95°	274.3	175.4	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7
97.5°	306.7	219.4	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0
100°	333.4	254.2	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8
102.5°	359.3	285.4	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8
105°	398.7	336.2	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3
107.5°	453.9	395.6	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0
110°	485.6	432.9	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8



TEST NUMBER: P935248

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.8	472.6	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7
115°	578.7	532.3	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1
117.5°	633.0	590.9	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4
120°	664.6	625.1	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1
122.5°	701.2	661.2	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6
125°	749.0	712.6	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1
127.5°	794.2	757.4	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8
130°	823.7	784.1	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4
132.5°	848.3	808.7	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7
135°	878.0	841.8	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6
137.5°	914.6	878.8	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2
140°	939.9	907.0	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5
142.5°	958.9	928.5	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9
145°	987.7	961.2	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2
147.5°	1022.8	997.0	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2
150°	1041.8	1018.4	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5
152.5°	1055.2	1037.5	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1
155°	1082.5	1069.4	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5
157.5°	1108.9	1096.1	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5
160°	1121.5	1111.7	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1
162.5°	1134.9	1127.4	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0
165°	1153.3	1146.6	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9
167.5°	1164.5	1161.3	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2
170°	1176.5	1173.2	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2
172.5°	1177.8	1177.2	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0
175°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1
177.5°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935248

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2577.2	2569.7	2579.8	2552.0	2579.8	2569.7	2577.2	2594.9	2579.8	2589.8	2600.0
5°	2261.4	2248.8	2208.3	2175.5	2208.3	2248.8	2261.4	2314.5	2339.7	2385.2	2445.8
7.5°	2021.4	2011.3	2001.1	1980.9	2001.1	2011.3	2021.4	2036.5	2061.8	2102.2	2147.7
10°	1968.3	1970.8	1986.0	1983.4	1986.0	1970.8	1968.3	1963.3	1955.7	1963.3	1991.1
12.5°	2104.8	2127.5	2210.9	2205.8	2210.9	2127.5	2104.8	2003.7	1935.4	1922.8	1927.9
15°	2261.4	2269.0	2286.6	2289.2	2286.6	2269.0	2261.4	2220.9	2016.3	1927.9	1900.1
17.5°	2276.6	2279.1	2291.7	2291.7	2291.7	2279.1	2276.6	2258.9	2190.6	2071.9	1915.3
20°	2264.0	2269.0	2294.3	2299.4	2294.3	2269.0	2264.0	2241.2	2203.3	2160.3	2041.6
22.5°	2258.9	2269.0	2289.2	2286.6	2289.2	2269.0	2258.9	2223.5	2190.6	2160.3	2112.3
25°	2233.6	2233.6	2236.2	2238.6	2236.2	2233.6	2233.6	2205.8	2140.2	2132.5	2104.8
27.5°	2180.6	2185.6	2200.8	2198.3	2200.8	2185.6	2180.6	2170.5	2099.7	2092.2	2071.9
30°	2132.5	2127.5	2114.8	2104.8	2114.8	2127.5	2132.5	2117.4	2046.6	2026.5	2031.4
32.5°	2051.7	2039.1	2026.5	2018.8	2026.5	2039.1	2051.7	2046.6	1993.6	1965.7	1970.8
35°	1955.7	1958.2	1955.7	1948.1	1955.7	1958.2	1955.7	1960.8	1927.9	1902.6	1900.1
37.5°	1887.4	1892.5	1890.0	1879.9	1890.0	1892.5	1887.4	1882.4	1836.9	1829.4	1834.4
40°	1816.7	1819.3	1816.7	1809.1	1816.7	1819.3	1816.7	1806.6	1743.4	1745.9	1763.6
42.5°	1748.5	1745.9	1738.4	1733.3	1738.4	1745.9	1748.5	1733.3	1652.5	1644.8	1677.7
45°	1670.2	1672.7	1657.6	1649.9	1657.6	1672.7	1670.2	1660.0	1576.7	1556.5	1579.2
47.5°	1591.9	1591.9	1579.2	1571.6	1579.2	1591.9	1591.9	1579.2	1490.8	1470.5	1483.2
50°	1508.5	1505.9	1488.2	1485.7	1488.2	1505.9	1508.5	1500.8	1407.4	1389.7	1389.7
52.5°	1412.4	1412.4	1415.0	1420.0	1415.0	1412.4	1412.4	1415.0	1331.6	1313.9	1308.8
55°	1329.0	1331.6	1349.3	1354.4	1349.3	1331.6	1329.0	1329.0	1253.3	1235.6	1225.5
57.5°	1243.1	1243.1	1255.8	1255.8	1255.8	1243.1	1243.1	1238.1	1164.8	1149.6	1144.6
60°	1144.6	1149.6	1159.8	1157.3	1159.8	1149.6	1144.6	1139.6	1076.4	1066.3	1048.6
62.5°	1041.0	1046.1	1048.6	1043.5	1048.6	1046.1	1041.0	1025.8	987.9	980.4	957.6
65°	932.4	937.5	939.9	934.9	939.9	937.5	932.4	924.7	897.0	884.4	864.1
67.5°	821.2	818.7	816.1	826.2	816.1	818.7	821.2	811.0	793.4	783.3	755.5
70°	707.5	707.5	704.9	710.0	704.9	707.5	707.5	699.9	689.8	682.2	656.9
72.5°	586.2	583.7	593.8	586.2	593.8	583.7	586.2	583.7	578.6	571.0	545.8
75°	467.5	472.5	467.5	475.0	467.5	472.5	467.5	470.0	467.5	462.4	444.7
77.5°	356.3	361.3	356.3	356.3	356.3	361.3	356.3	358.8	358.8	358.8	343.7
80°	252.6	250.1	250.1	247.7	250.1	250.1	252.6	252.6	255.2	250.1	245.1
82.5°	161.7	159.2	159.2	164.3	159.2	159.2	161.7	164.3	159.2	159.2	159.2
85°	88.4	90.9	85.9	85.9	85.9	90.9	88.4	83.4	88.4	88.4	85.9
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.4	35.4	35.4	37.9
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.3	53.7	60.4	51.9
92.5°	151.2	145.2	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9
95°	513.1	494.9	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4
97.5°	1184.4	1149.8	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2
100°	1663.3	1622.0	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8
102.5°	2072.2	2036.8	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7
105°	2549.4	2530.4	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1
107.5°	2797.5	2802.1	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9
110°	2861.2	2881.0	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2820.7	2851.1	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6
115°	2683.1	2725.2	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4
117.5°	2492.9	2539.6	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7
120°	2364.9	2410.3	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2
122.5°	2236.8	2281.7	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0
125°	2067.4	2108.7	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0
127.5°	1931.3	1966.1	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1
130°	1845.5	1877.6	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8
132.5°	1772.2	1801.0	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0
135°	1668.8	1693.7	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9
137.5°	1592.4	1612.8	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8
140°	1531.2	1550.3	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0
142.5°	1488.3	1504.7	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0
145°	1423.9	1436.2	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1
147.5°	1369.7	1380.0	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8
150°	1338.8	1347.1	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8
152.5°	1314.1	1320.4	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5
155°	1284.6	1288.8	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4
157.5°	1259.2	1262.1	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2
160°	1246.5	1248.2	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9
162.5°	1234.5	1236.2	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6
165°	1216.3	1218.0	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7
167.5°	1208.2	1208.9	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8
172.5°	1201.9	1201.4	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7
177.5°	1191.6	1190.9	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2637.8	2650.6	2658.1	2668.3	2693.5
5°	2536.8	2584.8	2600.0	2637.8	2683.4
7.5°	2314.5	2461.0	2501.4	2592.4	2663.2
10°	2099.7	2246.3	2317.0	2531.8	2637.8
12.5°	1991.1	2076.9	2124.9	2425.7	2602.5
15°	1922.8	1983.4	2018.8	2284.2	2562.1
17.5°	1869.7	1912.8	1938.0	2145.2	2506.5
20°	1836.9	1857.1	1879.9	2044.1	2443.4
22.5°	1814.2	1801.6	1819.3	1973.4	2357.4
25°	1799.0	1751.0	1771.3	1917.7	2256.3
27.5°	1811.7	1705.6	1713.1	1867.3	2150.2
30°	1814.2	1649.9	1652.5	1814.2	2031.4
32.5°	1796.5	1591.9	1594.4	1748.5	1897.6
35°	1753.6	1523.6	1521.1	1672.7	1715.6
37.5°	1695.4	1450.4	1450.4	1589.3	1516.0
40°	1624.7	1377.0	1384.7	1480.7	1339.1
42.5°	1538.8	1298.7	1308.8	1336.7	1207.8
45°	1445.3	1223.0	1230.5	1129.5	1106.7
47.5°	1341.7	1144.6	1147.1	937.5	1073.9
50°	1217.9	1063.8	1053.6	803.5	1071.3
52.5°	1109.2	975.3	945.0	727.7	972.8
55°	1003.1	881.8	816.1	669.6	902.1
57.5°	909.6	760.6	697.4	601.3	886.9
60°	823.7	641.8	593.8	528.1	813.6
62.5°	753.0	553.3	543.2	477.5	737.8
65°	677.2	492.7	490.1	434.6	626.6
67.5°	603.9	452.3	449.8	394.1	477.5
70°	525.5	409.3	404.3	351.2	353.7
72.5°	444.7	361.3	356.3	315.8	293.1
75°	363.8	305.7	303.2	275.4	237.5
77.5°	285.5	242.6	247.7	222.3	174.3
80°	204.6	176.9	182.0	159.2	131.4
82.5°	136.4	116.3	121.2	101.1	88.4
85°	75.8	65.7	68.2	53.1	40.4
87.5°	35.4	30.3	30.3	20.2	12.6
90°	35.0	22.3	20.7	14.3	7.9
92.5°	215.8	153.6	140.1	86.0	31.8
95°	531.1	299.1	274.3	175.4	76.4
97.5°	715.4	328.5	306.7	219.4	132.1
100°	782.5	353.2	333.4	254.2	175.0
102.5°	813.1	377.8	359.3	285.4	211.6
105°	836.0	414.4	398.7	336.2	273.7
107.5°	840.3	468.5	453.9	395.6	337.2
110°	833.9	498.8	485.6	432.9	380.2



TEST NUMBER: P935248

CATALOG NUMBER: SQ4-FA-100U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	834.2	535.4	522.8	472.6	422.4
115°	841.8	590.3	578.7	532.3	486.0
117.5°	857.5	643.5	633.0	590.9	548.9
120°	870.2	674.5	664.6	625.1	585.5
122.5°	888.5	711.1	701.2	661.2	621.2
125°	913.2	758.1	749.0	712.6	676.1
127.5°	937.8	803.4	794.2	757.4	720.7
130°	955.8	833.6	823.7	784.1	744.5
132.5°	970.4	858.3	848.3	808.7	769.2
135°	986.4	887.0	878.0	841.8	805.8
137.5°	1010.2	923.5	914.6	878.8	843.2
140°	1024.8	948.2	939.9	907.0	874.2
142.5°	1037.0	966.4	958.9	928.5	898.1
145°	1053.0	994.3	987.7	961.2	934.7
147.5°	1076.3	1029.3	1022.8	997.0	971.2
150°	1088.4	1047.6	1041.8	1018.4	995.1
152.5°	1096.4	1059.6	1055.2	1037.5	1019.8
155°	1113.9	1085.8	1082.5	1069.4	1056.3
157.5°	1131.4	1112.1	1108.9	1096.1	1083.4
160°	1139.4	1124.0	1121.5	1111.7	1101.7
162.5°	1147.8	1136.7	1134.9	1127.4	1120.0
165°	1160.1	1155.0	1153.3	1146.6	1139.9
167.5°	1169.5	1165.3	1164.5	1161.3	1158.1
170°	1177.6	1177.3	1176.5	1173.2	1170.1
172.5°	1178.0	1178.0	1177.8	1177.2	1176.5
175°	1182.8	1185.2	1185.2	1185.2	1185.2
177.5°	1183.4	1185.2	1185.2	1185.2	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935248  
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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	13.31	14.15	14.29	15.14	16.45	16.15	16.98	17.12	17.98	19.28
	3H	13.78	14.54	14.77	15.54	16.87	17.49	18.24	18.48	19.25	20.57
	4H	13.97	14.69	14.98	15.69	17.03	17.94	18.65	18.94	19.65	20.99
	6H	14.09	14.75	15.11	15.76	17.11	18.22	18.88	19.24	19.89	21.24
	8H	14.09	14.72	15.11	15.74	17.09	18.30	18.92	19.32	19.95	21.29
	12H	14.06	14.66	15.09	15.67	17.05	18.34	18.93	19.36	19.95	21.32
4H	2H	14.34	15.05	15.35	16.06	17.39	16.55	17.26	17.56	18.27	19.61
	3H	15.37	15.96	16.38	16.99	18.34	18.06	18.65	19.08	19.68	21.04
	4H	15.64	16.18	16.67	17.21	18.58	18.59	19.13	19.61	20.15	21.53
	6H	15.76	16.23	16.80	17.28	18.65	18.95	19.42	19.99	20.47	21.84
	8H	15.77	16.20	16.81	17.25	18.63	19.06	19.50	20.10	20.54	21.92
	12H	15.74	16.13	16.79	17.19	18.58	19.12	19.51	20.17	20.57	21.96
8H	4H	16.09	16.53	17.13	17.57	18.96	18.71	19.14	19.75	20.19	21.57
	6H	16.35	16.71	17.42	17.80	19.18	19.15	19.51	20.21	20.59	21.97
	8H	16.40	16.71	17.47	17.78	19.18	19.30	19.62	20.37	20.68	22.09
	12H	16.38	16.66	17.45	17.72	19.16	19.40	19.68	20.47	20.74	22.18
12H	4H	16.10	16.49	17.15	17.55	18.94	18.67	19.07	19.73	20.12	21.51
	6H	16.42	16.73	17.48	17.80	19.20	19.14	19.46	20.21	20.53	21.93
	8H	16.48	16.76	17.55	17.82	19.27	19.31	19.58	20.38	20.65	22.09