

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: P935194

Luminaire Tested: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

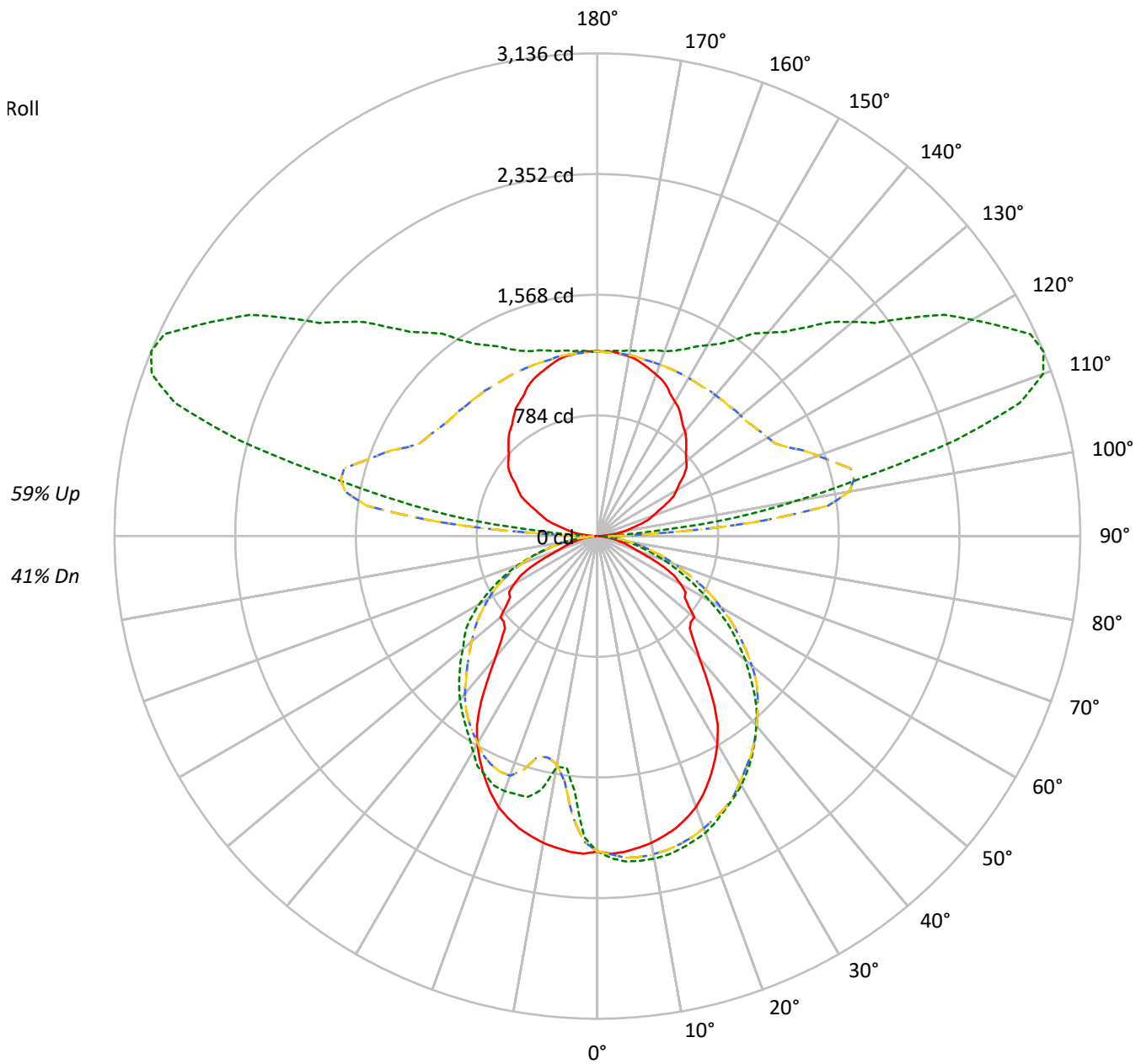
Test Method: LM-79-2019  
Report Number: P935194  
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13101.9 lumens  
Efficiency: N/A  
Efficacy: 133.1 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): 98.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9575	9593	9575	7543
10°	9511	9450	9511	6756
15°	9407	9245	9407	7720
20°	9210	9003	9210	7736
25°	8808	8649	8808	7572
30°	8288	8355	8288	7212
35°	7388	7984	7388	6817
40°	6156	7546	6156	6518
45°	5501	7035	5501	6174
50°	5844	6424	5844	5829
55°	5499	5767	5499	5630
60°	5668	4897	5668	5156
65°	5138	4049	5138	4526
70°	3558	3227	3558	3794
75°	3121	2385	3121	2856
80°	2515	1577	2515	1717
85°	1444	835	1444	710

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8431 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.9	1.4
10°-20°	525.0	4.0
20°-30°	811.5	6.2
30°-40°	968.8	7.4
40°-50°	974.5	7.4
50°-60°	847.9	6.5
60°-70°	601.2	4.6
70°-80°	318.1	2.4
80°-90°	83.8	0.6
90°-100°	585.5	4.5
100°-110°	1539.2	11.7
110°-120°	1596.0	12.2
120°-130°	1280.2	9.8
130°-140°	1004.5	7.7
140°-150°	771.0	5.9
150°-160°	555.2	4.2
160°-170°	339.7	2.6
170°-180°	114.8	0.9
0°-30°	1521.4	11.6
0°-40°	2490.2	19.0
0°-60°	4312.6	32.9
0°-90°	5315.7	40.6
90°-120°	3720.7	28.4
90°-150°	6776.4	51.7
90°-180°	7786.0	59.4
0°-180°	13101.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2048	2048	2048	2048	2048	
5°	2058	2122	2058	1668	2058	195
15°	1965	2103	1965	1756	1965	553
25°	1730	1961	1730	1717	1730	795
35°	1316	1750	1316	1494	1316	814
45°	849	1442	849	1265	849	680
55°	692	1064	692	1039	692	636
65°	481	642	481	717	481	459
75°	182	304	182	364	182	192
85°	31	78	31	66	31	42
90°	8	31	8	31	8	8
95°	77	354	77	354	77	86
105°	277	2410	277	2410	277	294
115°	492	3104	492	3104	492	486
125°	685	2472	685	2472	685	608
135°	817	1918	817	1918	817	632
145°	947	1556	947	1556	947	593
155°	1070	1340	1070	1340	1070	492
165°	1155	1248	1155	1248	1155	326
175°	1201	1209	1201	1209	1201	114
180°	1201	1201	1201	1201	1201	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2065.8	2065.8	2077.4	2081.3	2081.3	2075.5	2069.7	2075.5	2092.9	2098.8	2096.8
5°	2058.1	2073.6	2094.9	2098.8	2102.6	2100.7	2096.8	2100.7	2120.1	2124.0	2125.9
7.5°	2042.6	2071.6	2098.8	2104.6	2110.4	2104.6	2102.6	2106.5	2125.9	2129.8	2129.8
10°	2023.2	2063.9	2094.9	2098.8	2104.6	2098.8	2098.8	2106.5	2125.9	2129.8	2131.7
12.5°	1996.0	2052.2	2081.3	2085.2	2092.9	2091.0	2089.1	2096.8	2116.2	2120.1	2120.1
15°	1965.0	2030.9	2058.1	2061.9	2075.5	2071.6	2071.6	2079.4	2100.7	2106.5	2104.6
17.5°	1922.4	2003.8	2034.8	2040.6	2050.3	2048.4	2050.3	2058.1	2077.4	2081.3	2083.3
20°	1873.9	1967.0	2003.8	2009.6	2019.3	2019.3	2019.3	2029.0	2048.4	2056.1	2056.1
22.5°	1808.1	1928.2	1967.0	1970.8	1982.5	1982.5	1986.4	1999.9	2017.4	2019.3	2019.3
25°	1730.5	1885.6	1918.5	1930.2	1941.8	1947.6	1953.4	1961.2	1967.0	1965.0	1967.0
27.5°	1649.1	1831.3	1873.9	1881.7	1897.2	1903.0	1910.8	1912.7	1914.6	1920.5	1916.6
30°	1558.1	1755.7	1819.7	1827.4	1852.6	1856.5	1848.8	1852.6	1862.3	1866.2	1870.1
32.5°	1455.3	1643.3	1763.5	1780.9	1804.2	1792.6	1790.6	1796.4	1811.9	1811.9	1815.8
35°	1315.8	1556.1	1711.2	1726.7	1744.1	1730.5	1738.3	1740.2	1749.9	1755.7	1753.8
37.5°	1162.7	1480.5	1656.9	1668.5	1682.1	1664.6	1676.3	1682.1	1689.8	1686.0	1686.0
40°	1027.1	1362.3	1592.9	1600.7	1612.3	1598.8	1610.4	1614.3	1618.1	1614.3	1612.3
42.5°	926.4	1232.5	1525.1	1534.8	1527.0	1536.7	1540.6	1548.4	1542.6	1534.8	1534.8
45°	848.8	1197.6	1451.5	1463.1	1451.5	1467.0	1472.8	1472.8	1455.3	1451.5	1449.5
47.5°	823.6	1127.9	1377.8	1377.8	1372.0	1391.4	1401.1	1387.5	1370.1	1364.3	1364.3
50°	821.7	1050.4	1277.0	1269.3	1296.4	1319.7	1310.0	1296.4	1282.9	1261.5	1261.5
52.5°	746.1	955.4	1147.3	1176.3	1218.9	1232.5	1217.0	1203.4	1180.1	1170.5	1162.7
55°	691.9	856.6	1029.1	1087.2	1131.8	1149.2	1120.2	1106.6	1071.7	1065.9	1062.0
57.5°	680.2	713.2	920.6	994.2	1048.5	1046.5	1029.1	1003.9	974.8	969.0	967.1
60°	624.0	515.5	804.3	891.5	947.7	941.9	926.4	903.1	876.0	872.1	868.2
62.5°	565.9	374.0	672.5	771.3	850.8	848.8	835.3	800.4	781.0	771.3	763.6
65°	480.6	314.0	478.7	641.5	755.8	759.7	730.6	705.4	684.1	672.5	670.5
67.5°	366.3	255.8	323.6	534.9	664.7	660.9	624.0	612.4	585.3	579.5	567.8
70°	271.3	170.5	224.8	434.1	575.6	565.9	536.8	523.3	498.1	484.5	476.7
72.5°	224.8	137.6	164.7	337.2	484.5	472.9	447.7	432.2	410.9	399.2	391.5
75°	182.2	145.4	126.0	250.0	393.4	385.7	362.4	346.9	329.5	314.0	315.9
77.5°	133.7	135.7	100.8	184.1	312.0	300.4	286.8	267.4	259.7	244.2	244.2
80°	100.8	106.6	75.6	126.0	224.8	224.8	213.2	199.6	186.0	178.3	178.3
82.5°	67.8	67.8	56.2	79.5	153.1	147.3	139.5	135.7	127.9	124.0	124.0
85°	31.0	38.8	34.9	48.4	83.3	87.2	87.2	83.3	81.4	77.5	79.5
87.5°	9.7	17.4	21.3	27.1	42.6	44.6	46.5	46.5	46.5	48.4	48.4
90°	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8	30.6	30.6
92.5°	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2	153.2	147.1
95°	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8	520.0	501.6
97.5°	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2	1200.3	1165.2
100°	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0	1685.6	1643.7
102.5°	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8	2099.9	2064.1
105°	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6	2583.5	2564.3
107.5°	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0	2835.0	2839.7
110°	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1	2899.5	2919.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3	2858.5	2889.3
115°	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1	2719.0	2761.7
117.5°	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4	2526.3	2573.7
120°	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9	2396.5	2442.6
122.5°	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1	2266.8	2312.2
125°	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0	2095.1	2136.9
127.5°	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4	1957.2	1992.5
130°	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2	1870.2	1902.7
132.5°	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9	1795.9	1825.1
135°	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8	1691.2	1716.4
137.5°	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7	1613.8	1634.4
140°	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5	1551.8	1571.0
142.5°	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4	1508.2	1524.8
145°	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2	1442.9	1455.4
147.5°	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7	1388.1	1398.5
150°	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7	1356.7	1365.1
152.5°	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1	1331.7	1338.1
155°	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2	1301.9	1306.0
157.5°	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9	1276.1	1279.0
160°	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4	1263.2	1264.9
162.5°	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3	1251.1	1252.7
165°	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0	1232.6	1234.3
167.5°	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3	1224.4	1225.1
170°	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3	1224.4	1224.4
172.5°	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0	1218.0	1217.5
175°	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0	1209.1	1209.1
177.5°	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5	1207.6	1206.9
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2100.7	2094.9	2100.7	2096.8	2098.8	2092.9	2075.5	2069.7	2075.5	2081.3	2081.3
5°	2125.9	2122.0	2125.9	2125.9	2124.0	2120.1	2100.7	2096.8	2100.7	2102.6	2098.8
7.5°	2133.6	2127.8	2133.6	2129.8	2129.8	2125.9	2106.5	2102.6	2104.6	2110.4	2104.6
10°	2133.6	2127.8	2133.6	2131.7	2129.8	2125.9	2106.5	2098.8	2098.8	2104.6	2098.8
12.5°	2124.0	2120.1	2124.0	2120.1	2120.1	2116.2	2096.8	2089.1	2091.0	2092.9	2085.2
15°	2108.4	2102.6	2108.4	2104.6	2106.5	2100.7	2079.4	2071.6	2071.6	2075.5	2061.9
17.5°	2085.2	2077.4	2085.2	2083.3	2081.3	2077.4	2058.1	2050.3	2048.4	2050.3	2040.6
20°	2058.1	2052.2	2058.1	2056.1	2056.1	2048.4	2029.0	2019.3	2019.3	2019.3	2009.6
22.5°	2015.4	2009.6	2015.4	2019.3	2019.3	2017.4	1999.9	1986.4	1982.5	1982.5	1970.8
25°	1967.0	1961.2	1967.0	1967.0	1965.0	1967.0	1961.2	1953.4	1947.6	1941.8	1930.2
27.5°	1920.5	1916.6	1920.5	1916.6	1920.5	1914.6	1912.7	1910.8	1903.0	1897.2	1881.7
30°	1873.9	1870.1	1873.9	1870.1	1866.2	1862.3	1852.6	1848.8	1856.5	1852.6	1827.4
32.5°	1815.8	1811.9	1815.8	1815.8	1811.9	1811.9	1796.4	1790.6	1792.6	1804.2	1780.9
35°	1755.7	1749.9	1755.7	1753.8	1755.7	1749.9	1740.2	1738.3	1730.5	1744.1	1726.7
37.5°	1686.0	1680.1	1686.0	1686.0	1686.0	1689.8	1682.1	1676.3	1664.6	1682.1	1668.5
40°	1614.3	1606.5	1614.3	1612.3	1614.3	1618.1	1614.3	1610.4	1598.8	1612.3	1600.7
42.5°	1532.9	1530.9	1532.9	1534.8	1534.8	1542.6	1548.4	1540.6	1536.7	1527.0	1534.8
45°	1445.7	1441.8	1445.7	1449.5	1451.5	1455.3	1472.8	1472.8	1467.0	1451.5	1463.1
47.5°	1352.6	1342.9	1352.6	1364.3	1364.3	1370.1	1387.5	1401.1	1391.4	1372.0	1377.8
50°	1253.8	1255.7	1253.8	1261.5	1261.5	1282.9	1296.4	1310.0	1319.7	1296.4	1269.3
52.5°	1156.9	1155.0	1156.9	1162.7	1170.5	1180.1	1203.4	1217.0	1232.5	1218.9	1176.3
55°	1060.1	1064.0	1060.1	1062.0	1065.9	1071.7	1106.6	1120.2	1149.2	1131.8	1087.2
57.5°	963.2	957.4	963.2	967.1	969.0	974.8	1003.9	1029.1	1046.5	1048.5	994.2
60°	850.8	843.0	850.8	868.2	872.1	876.0	903.1	926.4	941.9	947.7	891.5
62.5°	751.9	738.4	751.9	763.6	771.3	781.0	800.4	835.3	848.8	850.8	771.3
65°	647.3	641.5	647.3	670.5	672.5	684.1	705.4	730.6	759.7	755.8	641.5
67.5°	552.3	552.3	552.3	567.8	579.5	585.3	612.4	624.0	660.9	664.7	534.9
70°	465.1	463.2	465.1	476.7	484.5	498.1	523.3	536.8	565.9	575.6	434.1
72.5°	381.8	379.8	381.8	391.5	399.2	410.9	432.2	447.7	472.9	484.5	337.2
75°	308.1	304.3	308.1	315.9	314.0	329.5	346.9	362.4	385.7	393.4	250.0
77.5°	236.4	236.4	236.4	244.2	244.2	259.7	267.4	286.8	300.4	312.0	184.1
80°	176.4	174.4	176.4	178.3	178.3	186.0	199.6	213.2	224.8	224.8	126.0
82.5°	124.0	120.2	124.0	124.0	124.0	127.9	135.7	139.5	147.3	153.1	79.5
85°	77.5	77.5	77.5	79.5	77.5	81.4	83.3	87.2	87.2	83.3	48.4
87.5°	50.4	48.4	50.4	48.4	48.4	46.5	46.5	46.5	44.6	42.6	27.1
90°	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6	35.5	22.6
92.5°	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9	218.7	155.6
95°	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7	538.2	303.1
97.5°	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7	725.0	332.9
100°	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0	792.9	357.9
102.5°	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3	824.0	382.9
105°	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9	847.2	420.0
107.5°	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8	851.6	474.8
110°	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9	845.1	505.4





TEST NUMBER: P935194

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1	845.4	542.5
115°	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1	853.1	598.2
117.5°	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1	869.0	652.1
120°	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3	881.9	683.5
122.5°	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0	900.4	720.6
125°	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0	925.4	768.2
127.5°	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1	950.4	814.2
130°	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8	968.6	844.8
132.5°	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0	983.4	869.8
135°	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9	999.6	898.8
137.5°	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9	1023.7	935.9
140°	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1	1038.5	960.9
142.5°	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1	1050.9	979.4
145°	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2	1067.1	1007.7
147.5°	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1	1090.7	1043.1
150°	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1	1103.0	1061.6
152.5°	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9	1111.1	1073.7
155°	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8	1128.8	1100.3
157.5°	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7	1146.5	1126.9
160°	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4	1154.7	1139.1
162.5°	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2	1163.2	1151.9
165°	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4	1175.6	1170.5
167.5°	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9	1185.2	1180.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6	1193.3	1193.0
172.5°	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5	1198.7	1201.1
177.5°	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7	1199.2	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935194

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2077.4	2065.8	2065.8	2046.4	2038.7	2032.9	2023.2	1994.1	1986.4	1978.6	1990.2
5°	2094.9	2073.6	2058.1	2023.2	1994.1	1982.5	1945.7	1875.9	1829.4	1794.5	1775.1
7.5°	2098.8	2071.6	2042.6	1988.3	1918.5	1887.5	1775.1	1647.2	1612.3	1581.3	1561.9
10°	2094.9	2063.9	2023.2	1941.8	1777.0	1722.8	1610.4	1527.0	1505.7	1499.9	1505.7
12.5°	2081.3	2052.2	1996.0	1860.4	1629.8	1592.9	1527.0	1478.6	1474.7	1484.4	1536.7
15°	2058.1	2030.9	1965.0	1751.9	1548.4	1521.2	1474.7	1457.3	1478.6	1546.4	1703.4
17.5°	2034.8	2003.8	1922.4	1645.3	1486.3	1467.0	1434.0	1468.9	1589.1	1680.1	1732.5
20°	2003.8	1967.0	1873.9	1567.7	1441.8	1424.3	1408.8	1565.8	1656.9	1689.8	1718.9
22.5°	1967.0	1928.2	1808.1	1513.5	1395.3	1381.7	1391.4	1620.1	1656.9	1680.1	1705.3
25°	1918.5	1885.6	1730.5	1470.8	1358.4	1342.9	1379.8	1614.3	1635.6	1641.4	1691.8
27.5°	1873.9	1831.3	1649.1	1432.1	1313.9	1308.1	1389.4	1589.1	1604.6	1610.4	1664.6
30°	1819.7	1755.7	1558.1	1391.4	1267.4	1265.4	1391.4	1558.1	1554.2	1569.7	1623.9
32.5°	1763.5	1643.3	1455.3	1341.0	1222.8	1220.8	1377.8	1511.5	1507.7	1529.0	1569.7
35°	1711.2	1556.1	1315.8	1282.9	1166.6	1168.5	1344.9	1457.3	1459.2	1478.6	1503.8
37.5°	1656.9	1480.5	1162.7	1218.9	1112.4	1112.4	1300.3	1406.9	1403.0	1408.8	1443.7
40°	1592.9	1362.3	1027.1	1135.7	1062.0	1056.2	1246.0	1352.6	1339.1	1337.1	1385.6
42.5°	1525.1	1232.5	926.4	1025.2	1003.9	996.1	1180.1	1286.7	1261.5	1267.4	1329.4
45°	1451.5	1197.6	848.8	866.3	943.8	938.0	1108.5	1211.2	1193.7	1209.2	1273.2
47.5°	1377.8	1127.9	823.6	719.0	879.9	877.9	1029.1	1137.6	1127.9	1143.4	1211.2
50°	1277.0	1050.4	821.7	616.3	808.1	815.9	934.1	1065.9	1065.9	1079.5	1151.2
52.5°	1147.3	955.4	746.1	558.1	724.8	748.1	850.8	1003.9	1007.8	1021.3	1085.3
55°	1029.1	856.6	691.9	513.6	626.0	676.4	769.4	939.9	947.7	961.2	1019.4
57.5°	920.6	713.2	680.2	461.2	534.9	583.3	697.7	877.9	881.8	893.4	949.6
60°	804.3	515.5	624.0	405.0	455.4	492.3	631.8	804.3	817.8	825.6	874.0
62.5°	672.5	374.0	565.9	366.3	416.7	424.4	577.5	734.5	751.9	757.8	786.8
65°	478.7	314.0	480.6	333.3	376.0	377.9	519.4	662.8	678.3	688.0	709.3
67.5°	323.6	255.8	366.3	302.3	345.0	346.9	463.2	579.5	600.8	608.5	622.1
70°	224.8	170.5	271.3	269.4	310.1	314.0	403.1	503.9	523.3	529.1	536.8
72.5°	164.7	137.6	224.8	242.2	273.3	277.1	341.1	418.6	438.0	443.8	447.7
75°	126.0	145.4	182.2	211.2	232.6	234.5	279.1	341.1	354.7	358.5	360.5
77.5°	100.8	135.7	133.7	170.5	189.9	186.0	219.0	263.6	275.2	275.2	275.2
80°	75.6	106.6	100.8	122.1	139.5	135.7	157.0	188.0	191.9	195.7	193.8
82.5°	56.2	67.8	67.8	77.5	93.0	89.1	104.7	122.1	122.1	122.1	126.0
85°	34.9	38.8	31.0	40.7	52.3	50.4	58.1	65.9	67.8	67.8	64.0
87.5°	21.3	17.4	9.7	15.5	23.3	23.3	27.1	29.1	27.1	27.1	27.1
90°	20.9	14.5	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8
92.5°	142.0	87.1	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2
95°	278.0	177.7	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8
97.5°	310.9	222.3	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2
100°	337.9	257.6	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0
102.5°	364.2	289.2	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8
105°	404.1	340.7	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6
107.5°	460.0	400.9	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0
110°	492.1	438.7	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1



TEST NUMBER: P935194

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	529.8	478.9	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3
115°	586.4	539.4	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1
117.5°	641.5	598.8	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4
120°	673.6	633.4	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9
122.5°	710.6	670.1	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1
125°	759.0	722.1	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0
127.5°	804.9	767.5	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4
130°	834.7	794.6	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2
132.5°	859.7	819.6	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9
135°	889.7	853.1	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8
137.5°	926.8	890.6	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7
140°	952.5	919.2	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5
142.5°	971.7	940.9	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4
145°	1001.0	974.0	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2
147.5°	1036.5	1010.4	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7
150°	1055.7	1032.1	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7
152.5°	1069.3	1051.4	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1
155°	1097.0	1083.7	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2
157.5°	1123.7	1110.8	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9
160°	1136.5	1126.6	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4
162.5°	1150.1	1142.5	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3
165°	1168.7	1161.9	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0
167.5°	1180.1	1176.9	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3
170°	1192.3	1189.0	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3
172.5°	1193.6	1192.9	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0
175°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0
177.5°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935194

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	1976.7	1970.8	1978.6	1957.3	1978.6	1970.8	1976.7	1990.2	1978.6	1986.4	1994.1
5°	1734.4	1724.7	1693.7	1668.5	1693.7	1724.7	1734.4	1775.1	1794.5	1829.4	1875.9
7.5°	1550.3	1542.6	1534.8	1519.3	1534.8	1542.6	1550.3	1561.9	1581.3	1612.3	1647.2
10°	1509.6	1511.5	1523.2	1521.2	1523.2	1511.5	1509.6	1505.7	1499.9	1505.7	1527.0
12.5°	1614.3	1631.7	1695.7	1691.8	1695.7	1631.7	1614.3	1536.7	1484.4	1474.7	1478.6
15°	1734.4	1740.2	1753.8	1755.7	1753.8	1740.2	1734.4	1703.4	1546.4	1478.6	1457.3
17.5°	1746.0	1748.0	1757.7	1757.7	1757.7	1748.0	1746.0	1732.5	1680.1	1589.1	1468.9
20°	1736.4	1740.2	1759.6	1763.5	1759.6	1740.2	1736.4	1718.9	1689.8	1656.9	1565.8
22.5°	1732.5	1740.2	1755.7	1753.8	1755.7	1740.2	1732.5	1705.3	1680.1	1656.9	1620.1
25°	1713.1	1713.1	1715.0	1717.0	1715.0	1713.1	1713.1	1691.8	1641.4	1635.6	1614.3
27.5°	1672.4	1676.3	1687.9	1686.0	1687.9	1676.3	1672.4	1664.6	1610.4	1604.6	1589.1
30°	1635.6	1631.7	1622.0	1614.3	1622.0	1631.7	1635.6	1623.9	1569.7	1554.2	1558.1
32.5°	1573.6	1563.9	1554.2	1548.4	1554.2	1563.9	1573.6	1569.7	1529.0	1507.7	1511.5
35°	1499.9	1501.9	1499.9	1494.1	1499.9	1501.9	1499.9	1503.8	1478.6	1459.2	1457.3
37.5°	1447.6	1451.5	1449.5	1441.8	1449.5	1451.5	1447.6	1443.7	1408.8	1403.0	1406.9
40°	1393.3	1395.3	1393.3	1387.5	1393.3	1395.3	1393.3	1385.6	1337.1	1339.1	1352.6
42.5°	1341.0	1339.1	1333.2	1329.4	1333.2	1339.1	1341.0	1329.4	1267.4	1261.5	1286.7
45°	1280.9	1282.9	1271.2	1265.4	1271.2	1282.9	1280.9	1273.2	1209.2	1193.7	1211.2
47.5°	1220.8	1220.8	1211.2	1205.3	1211.2	1220.8	1220.8	1211.2	1143.4	1127.9	1137.6
50°	1156.9	1155.0	1141.5	1139.5	1141.5	1155.0	1156.9	1151.2	1079.5	1065.9	1065.9
52.5°	1083.3	1083.3	1085.3	1089.2	1085.3	1083.3	1083.3	1085.3	1021.3	1007.8	1003.9
55°	1019.4	1021.3	1034.9	1038.8	1034.9	1021.3	1019.4	1019.4	961.2	947.7	939.9
57.5°	953.5	953.5	963.2	963.2	963.2	953.5	953.5	949.6	893.4	881.8	877.9
60°	877.9	881.8	889.5	887.6	889.5	881.8	877.9	874.0	825.6	817.8	804.3
62.5°	798.5	802.3	804.3	800.4	804.3	802.3	798.5	786.8	757.8	751.9	734.5
65°	715.1	719.0	720.9	717.1	720.9	719.0	715.1	709.3	688.0	678.3	662.8
67.5°	629.8	627.9	626.0	633.7	626.0	627.9	629.8	622.1	608.5	600.8	579.5
70°	542.6	542.6	540.7	544.6	540.7	542.6	542.6	536.8	529.1	523.3	503.9
72.5°	449.6	447.7	455.4	449.6	455.4	447.7	449.6	447.7	443.8	438.0	418.6
75°	358.5	362.4	358.5	364.3	358.5	362.4	358.5	360.5	358.5	354.7	341.1
77.5°	273.3	277.1	273.3	273.3	273.3	277.1	273.3	275.2	275.2	275.2	263.6
80°	193.8	191.9	191.9	189.9	191.9	191.9	193.8	193.8	195.7	191.9	188.0
82.5°	124.0	122.1	122.1	126.0	122.1	122.1	124.0	126.0	122.1	122.1	122.1
85°	67.8	69.8	65.9	65.9	65.9	69.8	67.8	64.0	67.8	67.8	65.9
87.5°	25.2	23.3	23.3	23.3	23.3	23.3	25.2	27.1	27.1	27.1	29.1
90°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6
92.5°	153.2	147.1	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9
95°	520.0	501.6	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7
97.5°	1200.3	1165.2	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7
100°	1685.6	1643.7	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0
102.5°	2099.9	2064.1	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3
105°	2583.5	2564.3	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9
107.5°	2835.0	2839.7	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8
110°	2899.5	2919.6	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2858.5	2889.3	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1
115°	2719.0	2761.7	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1
117.5°	2526.3	2573.7	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1
120°	2396.5	2442.6	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3
122.5°	2266.8	2312.2	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0
125°	2095.1	2136.9	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0
127.5°	1957.2	1992.5	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1
130°	1870.2	1902.7	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8
132.5°	1795.9	1825.1	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0
135°	1691.2	1716.4	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9
137.5°	1613.8	1634.4	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9
140°	1551.8	1571.0	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1
142.5°	1508.2	1524.8	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1
145°	1442.9	1455.4	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2
147.5°	1388.1	1398.5	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1
150°	1356.7	1365.1	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1
152.5°	1331.7	1338.1	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9
155°	1301.9	1306.0	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8
157.5°	1276.1	1279.0	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7
160°	1263.2	1264.9	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4
162.5°	1251.1	1252.7	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2
165°	1232.6	1234.3	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4
167.5°	1224.4	1225.1	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6
172.5°	1218.0	1217.5	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5
177.5°	1207.6	1206.9	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2023.2	2032.9	2038.7	2046.4	2065.8
5°	1945.7	1982.5	1994.1	2023.2	2058.1
7.5°	1775.1	1887.5	1918.5	1988.3	2042.6
10°	1610.4	1722.8	1777.0	1941.8	2023.2
12.5°	1527.0	1592.9	1629.8	1860.4	1996.0
15°	1474.7	1521.2	1548.4	1751.9	1965.0
17.5°	1434.0	1467.0	1486.3	1645.3	1922.4
20°	1408.8	1424.3	1441.8	1567.7	1873.9
22.5°	1391.4	1381.7	1395.3	1513.5	1808.1
25°	1379.8	1342.9	1358.4	1470.8	1730.5
27.5°	1389.4	1308.1	1313.9	1432.1	1649.1
30°	1391.4	1265.4	1267.4	1391.4	1558.1
32.5°	1377.8	1220.8	1222.8	1341.0	1455.3
35°	1344.9	1168.5	1166.6	1282.9	1315.8
37.5°	1300.3	1112.4	1112.4	1218.9	1162.7
40°	1246.0	1056.2	1062.0	1135.7	1027.1
42.5°	1180.1	996.1	1003.9	1025.2	926.4
45°	1108.5	938.0	943.8	866.3	848.8
47.5°	1029.1	877.9	879.9	719.0	823.6
50°	934.1	815.9	808.1	616.3	821.7
52.5°	850.8	748.1	724.8	558.1	746.1
55°	769.4	676.4	626.0	513.6	691.9
57.5°	697.7	583.3	534.9	461.2	680.2
60°	631.8	492.3	455.4	405.0	624.0
62.5°	577.5	424.4	416.7	366.3	565.9
65°	519.4	377.9	376.0	333.3	480.6
67.5°	463.2	346.9	345.0	302.3	366.3
70°	403.1	314.0	310.1	269.4	271.3
72.5°	341.1	277.1	273.3	242.2	224.8
75°	279.1	234.5	232.6	211.2	182.2
77.5°	219.0	186.0	189.9	170.5	133.7
80°	157.0	135.7	139.5	122.1	100.8
82.5°	104.7	89.1	93.0	77.5	67.8
85°	58.1	50.4	52.3	40.7	31.0
87.5°	27.1	23.3	23.3	15.5	9.7
90°	35.5	22.6	20.9	14.5	8.0
92.5°	218.7	155.6	142.0	87.1	32.3
95°	538.2	303.1	278.0	177.7	77.4
97.5°	725.0	332.9	310.9	222.3	133.8
100°	792.9	357.9	337.9	257.6	177.3
102.5°	824.0	382.9	364.2	289.2	214.4
105°	847.2	420.0	404.1	340.7	277.3
107.5°	851.6	474.8	460.0	400.9	341.8
110°	845.1	505.4	492.1	438.7	385.3



TEST NUMBER: P935194

CATALOG NUMBER: SQ4-FA-100U-075D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	845.4	542.5	529.8	478.9	428.0
115°	853.1	598.2	586.4	539.4	492.5
117.5°	869.0	652.1	641.5	598.8	556.2
120°	881.9	683.5	673.6	633.4	593.3
122.5°	900.4	720.6	710.6	670.1	629.6
125°	925.4	768.2	759.0	722.1	685.2
127.5°	950.4	814.2	804.9	767.5	730.3
130°	968.6	844.8	834.7	794.6	754.5
132.5°	983.4	869.8	859.7	819.6	779.5
135°	999.6	898.8	889.7	853.1	816.6
137.5°	1023.7	935.9	926.8	890.6	854.5
140°	1038.5	960.9	952.5	919.2	885.9
142.5°	1050.9	979.4	971.7	940.9	910.1
145°	1067.1	1007.7	1001.0	974.0	947.2
147.5°	1090.7	1043.1	1036.5	1010.4	984.2
150°	1103.0	1061.6	1055.7	1032.1	1008.4
152.5°	1111.1	1073.7	1069.3	1051.4	1033.4
155°	1128.8	1100.3	1097.0	1083.7	1070.5
157.5°	1146.5	1126.9	1123.7	1110.8	1097.9
160°	1154.7	1139.1	1136.5	1126.6	1116.5
162.5°	1163.2	1151.9	1150.1	1142.5	1135.0
165°	1175.6	1170.5	1168.7	1161.9	1155.1
167.5°	1185.2	1180.9	1180.1	1176.9	1173.7
170°	1193.3	1193.0	1192.3	1189.0	1185.8
172.5°	1193.8	1193.8	1193.6	1192.9	1192.3
175°	1198.7	1201.1	1201.1	1201.1	1201.1
177.5°	1199.2	1201.1	1201.1	1201.1	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935194  
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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	11.69	12.47	12.73	13.52	14.92	14.53	15.31	15.56	16.35	17.75
	3H	12.16	12.86	13.21	13.91	15.33	15.87	16.57	16.92	17.62	19.04
	4H	12.35	13.01	13.41	14.07	15.49	16.31	16.98	17.37	18.03	19.46
	6H	12.46	13.08	13.53	14.13	15.57	16.60	17.21	17.66	18.26	19.70
	8H	12.46	13.05	13.53	14.12	15.55	16.67	17.25	17.74	18.32	19.76
	12H	12.43	12.98	13.51	14.05	15.51	16.71	17.26	17.78	18.32	19.78
4H	2H	12.72	13.38	13.78	14.43	15.86	14.93	15.59	15.99	16.64	18.07
	3H	13.74	14.29	14.81	15.37	16.81	16.43	16.98	17.50	18.06	19.50
	4H	14.01	14.52	15.09	15.59	17.05	16.96	17.46	18.03	18.53	19.99
	6H	14.13	14.56	15.21	15.66	17.11	17.32	17.75	18.40	18.85	20.30
	8H	14.13	14.54	15.22	15.63	17.10	17.42	17.83	18.51	18.92	20.39
	12H	14.10	14.46	15.20	15.56	17.04	17.48	17.85	18.58	18.95	20.42
8H	4H	14.46	14.86	15.54	15.95	17.42	17.07	17.48	18.16	18.57	20.04
	6H	14.72	15.05	15.82	16.18	17.65	17.51	17.84	18.62	18.97	20.44
	8H	14.76	15.05	15.87	16.16	17.65	17.66	17.96	18.78	19.07	20.55
	12H	14.74	15.00	15.86	16.10	17.63	17.76	18.02	18.88	19.12	20.65
12H	4H	14.46	14.83	15.56	15.93	17.40	17.03	17.40	18.14	18.50	19.98
	6H	14.78	15.07	15.89	16.18	17.67	17.50	17.80	18.62	18.91	20.40
	8H	14.84	15.10	15.96	16.20	17.73	17.66	17.92	18.78	19.03	20.55