

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: P935592

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

**Test Information**

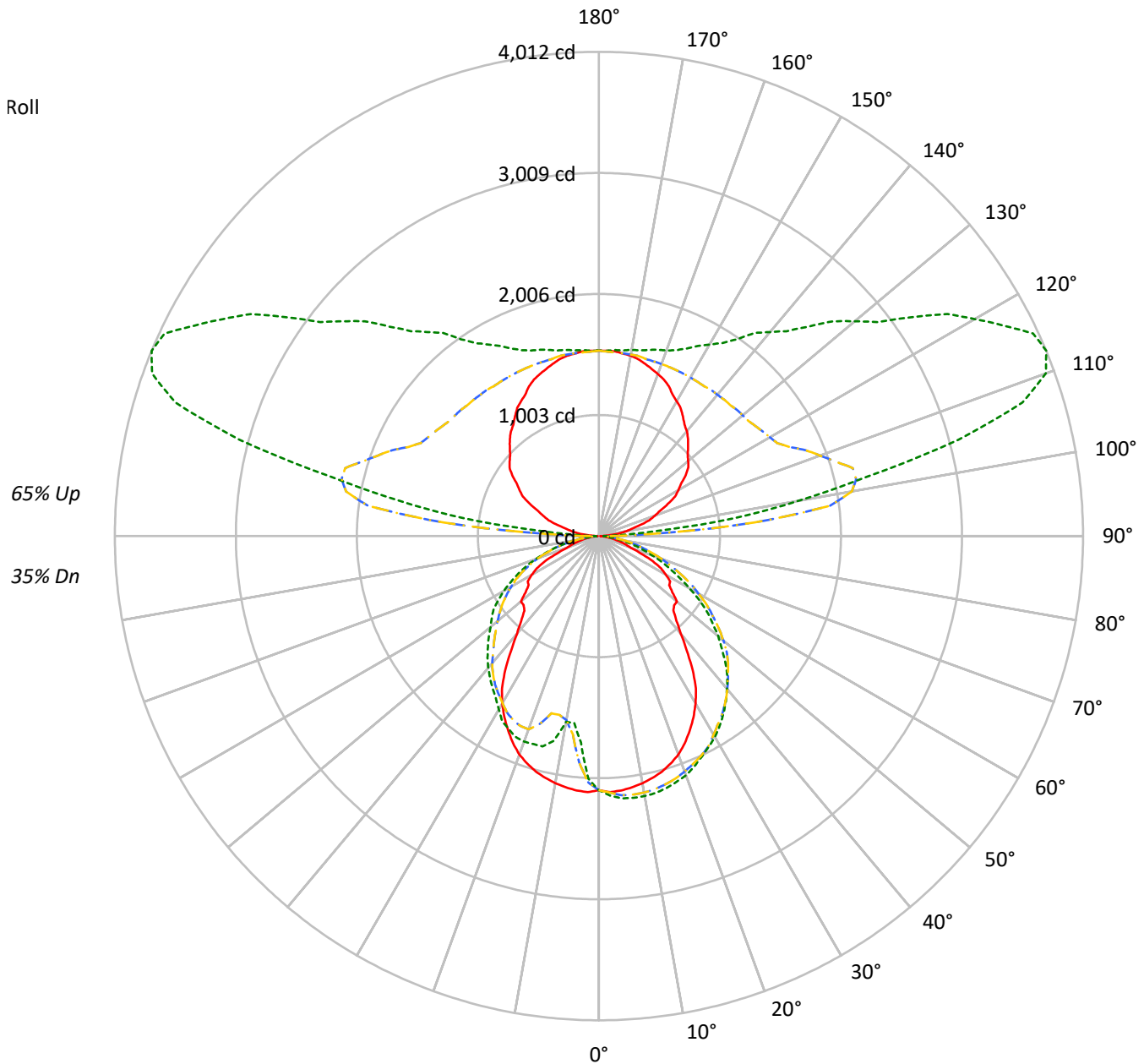
Test Method: LM-79-2019  
Report Number: P935592  
REPORT IS A COMBINATION OF REPORTS P933760 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15427.1 lumens  
Efficiency: N/A  
Efficacy: 138.7 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: Semi-Indirect  
  
Input Watts (W): 111.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935592  
CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

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

	0°	90°	180°	270°
0°	9768	9768	9768	9768
5°	9841	9861	9841	7753
10°	9775	9713	9775	6944
15°	9669	9503	9669	7935
20°	9467	9254	9467	7952
25°	9053	8890	9053	7783
30°	8518	8588	8518	7413
35°	7594	8206	7594	7006
40°	6328	7757	6328	6699
45°	5654	7230	5654	6346
50°	6007	6603	6007	5992
55°	5651	5927	5651	5787
60°	5826	5034	5826	5300
65°	5282	4162	5282	4651
70°	3658	3316	3658	3899
75°	3206	2451	3206	2936
80°	2585	1621	2585	1765
85°	1486	859	1486	729

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8665 cd/sqm



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.1	1.2
10°-20°	539.6	3.5
20°-30°	834.1	5.4
30°-40°	995.8	6.5
40°-50°	1001.6	6.5
50°-60°	871.6	5.6
60°-70°	618.0	4.0
70°-80°	326.9	2.1
80°-90°	87.3	0.6
90°-100°	749.1	4.9
100°-110°	1969.4	12.8
110°-120°	2042.0	13.2
120°-130°	1638.0	10.6
130°-140°	1285.2	8.3
140°-150°	986.5	6.4
150°-160°	710.4	4.6
160°-170°	434.7	2.8
170°-180°	146.9	1.0
0°-30°	1563.8	10.1
0°-40°	2559.6	16.6
0°-60°	4432.8	28.7
0°-90°	5465.0	35.4
90°-120°	4760.5	30.9
90°-150°	8670.2	56.2
90°-180°	9962.0	64.6
0°-180°	15427.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2105	2105	2105	2105	2105	
5°	2115	2181	2115	1715	2115	201
15°	2020	2161	2020	1805	2020	568
25°	1779	2016	1779	1765	1779	817
35°	1352	1799	1352	1536	1352	837
45°	872	1482	872	1301	872	699
55°	711	1094	711	1068	711	653
65°	494	659	494	737	494	472
75°	187	313	187	374	187	197
85°	32	80	32	68	32	43
90°	10	39	10	39	10	10
95°	99	453	99	453	99	110
105°	355	3084	355	3084	355	376
115°	630	3971	630	3971	630	622
125°	877	3162	877	3162	877	778
135°	1045	2454	1045	2454	1045	808
145°	1212	1990	1212	1990	1212	759
155°	1370	1714	1370	1714	1370	629
165°	1478	1597	1478	1597	1478	417
175°	1537	1547	1537	1547	1537	146
180°	1537	1537	1537	1537	1537	



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2123.4	2123.4	2135.3	2139.3	2139.3	2133.3	2127.4	2133.3	2151.3	2157.2	2155.2
5°	2115.4	2131.3	2153.3	2157.2	2161.2	2159.2	2155.2	2159.2	2179.1	2183.1	2185.1
7.5°	2099.5	2129.3	2157.2	2163.2	2169.2	2163.2	2161.2	2165.2	2185.1	2189.1	2189.1
10°	2079.5	2121.4	2153.3	2157.2	2163.2	2157.2	2157.2	2165.2	2185.1	2189.1	2191.1
12.5°	2051.7	2109.4	2139.3	2143.3	2151.3	2149.3	2147.3	2155.2	2175.2	2179.1	2179.1
15°	2019.8	2087.5	2115.4	2119.4	2133.3	2129.3	2129.3	2137.3	2159.2	2165.2	2163.2
17.5°	1976.0	2059.6	2091.5	2097.5	2107.4	2105.4	2107.4	2115.4	2135.3	2139.3	2141.3
20°	1926.2	2021.8	2059.6	2065.6	2075.6	2075.6	2075.6	2085.5	2105.4	2113.4	2113.4
22.5°	1858.4	1981.9	2021.8	2025.8	2037.7	2037.7	2041.7	2055.6	2073.6	2075.6	2075.6
25°	1778.8	1938.1	1972.0	1983.9	1995.9	2001.9	2007.8	2015.8	2021.8	2019.8	2021.8
27.5°	1695.1	1882.3	1926.2	1934.1	1950.1	1956.0	1964.0	1966.0	1968.0	1974.0	1970.0
30°	1601.5	1804.7	1870.4	1878.4	1904.3	1908.2	1900.3	1904.3	1914.2	1918.2	1922.2
32.5°	1495.9	1689.1	1812.6	1830.5	1854.5	1842.5	1840.5	1846.5	1862.4	1862.4	1866.4
35°	1352.5	1599.5	1758.8	1774.8	1792.7	1778.8	1786.7	1788.7	1798.7	1804.7	1802.7
37.5°	1195.1	1521.8	1703.1	1715.0	1729.0	1711.0	1723.0	1729.0	1736.9	1732.9	1732.9
40°	1055.8	1400.3	1637.3	1645.3	1657.2	1643.3	1655.3	1659.2	1663.2	1659.2	1657.2
42.5°	952.2	1266.8	1567.6	1577.6	1569.6	1579.6	1583.5	1591.5	1585.5	1577.6	1577.6
45°	872.5	1231.0	1491.9	1503.9	1491.9	1507.8	1513.8	1513.8	1495.9	1491.9	1489.9
47.5°	846.6	1159.3	1416.2	1416.2	1410.2	1430.2	1440.1	1426.2	1408.2	1402.3	1402.3
50°	844.6	1079.7	1312.6	1304.7	1332.5	1356.5	1346.5	1332.5	1318.6	1296.7	1296.7
52.5°	766.9	982.1	1179.3	1209.0	1252.9	1266.8	1250.9	1236.9	1213.0	1203.1	1195.1
55°	711.1	880.5	1057.8	1117.5	1163.3	1181.3	1151.4	1137.4	1101.6	1095.6	1091.6
57.5°	699.2	733.1	946.2	1021.9	1077.7	1075.7	1057.8	1031.9	1002.0	996.0	994.0
60°	641.4	529.9	826.7	916.3	974.1	968.1	952.2	928.3	900.4	896.4	892.4
62.5°	581.7	384.5	691.2	792.8	874.5	872.5	858.6	822.7	802.8	792.8	784.8
65°	494.0	322.7	492.0	659.4	776.9	780.9	751.0	725.1	703.2	691.2	689.2
67.5°	376.5	262.9	332.7	549.8	683.3	679.3	641.4	629.5	601.6	595.6	583.7
70°	278.9	175.3	231.1	446.2	591.6	581.7	551.8	537.8	511.9	498.0	490.0
72.5°	231.1	141.4	169.3	346.6	498.0	486.0	460.2	444.2	422.3	410.4	402.4
75°	187.2	149.4	129.5	257.0	404.4	396.4	372.5	356.6	338.6	322.7	324.7
77.5°	137.4	139.4	103.6	189.2	320.7	308.8	294.8	274.9	266.9	251.0	251.0
80°	103.6	109.6	77.7	129.5	231.1	231.1	219.1	205.2	191.2	183.3	183.3
82.5°	69.7	69.7	57.8	81.7	157.4	151.4	143.4	139.4	131.5	127.5	127.5
85°	31.9	39.8	35.9	49.8	85.7	89.6	89.6	85.7	83.7	79.7	81.7
87.5°	10.0	17.9	21.9	27.9	43.8	45.8	47.8	47.8	47.8	49.8	49.8
90°	10.4	18.6	26.8	28.9	45.4	67.4	78.4	69.6	52.2	39.1	39.1
92.5°	41.2	111.4	181.6	199.1	279.9	387.5	441.4	386.8	277.8	195.9	188.1
95°	99.0	227.4	355.8	387.8	688.6	1089.7	1290.2	1151.4	873.6	665.2	641.6
97.5°	171.2	284.5	397.7	426.0	927.6	1596.4	1930.7	1843.0	1667.4	1535.7	1490.8
100°	226.9	329.6	432.3	458.0	1014.5	1756.6	2127.8	2134.1	2147.0	2156.6	2103.2
102.5°	274.3	370.1	465.9	489.9	1054.5	1807.1	2183.4	2295.3	2519.0	2686.7	2640.9
105°	354.8	435.9	517.0	537.3	1083.9	1812.8	2177.3	2427.9	2929.4	3305.5	3280.9
107.5°	437.3	512.9	588.5	607.5	1089.4	1732.1	2053.5	2403.2	3102.7	3627.3	3633.3
110°	493.0	561.3	629.7	646.7	1081.3	1660.6	1950.4	2341.4	3123.4	3709.8	3735.5



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	547.7	612.7	677.9	694.1	1081.6	1598.2	1856.4	2256.6	3056.9	3657.2	3696.7
115°	630.2	690.2	750.2	765.2	1091.5	1526.6	1744.1	2129.5	2900.6	3478.8	3533.5
117.5°	711.6	766.2	820.7	834.3	1111.8	1481.7	1666.7	2014.6	2710.4	3232.3	3293.0
120°	759.1	810.4	861.7	874.6	1128.3	1466.6	1635.7	1953.7	2589.4	3066.3	3125.1
122.5°	805.5	857.3	909.0	922.0	1152.0	1458.6	1612.0	1898.3	2470.9	2900.3	2958.3
125°	876.7	923.9	971.1	982.9	1183.9	1452.2	1586.2	1829.5	2315.8	2680.5	2734.0
127.5°	934.4	982.2	1029.8	1041.7	1216.0	1448.4	1564.6	1773.4	2191.0	2504.1	2549.3
130°	965.3	1016.7	1068.0	1080.9	1239.3	1450.7	1556.3	1742.2	2114.0	2392.8	2434.5
132.5°	997.3	1048.7	1100.0	1112.8	1258.2	1452.2	1549.1	1715.5	2048.3	2297.9	2335.2
135°	1044.8	1091.5	1138.3	1150.0	1278.9	1450.8	1536.7	1676.1	1954.7	2163.8	2196.0
137.5°	1093.2	1139.5	1185.8	1197.4	1309.8	1459.7	1534.6	1652.5	1888.1	2064.8	2091.2
140°	1133.4	1176.1	1218.7	1229.4	1328.8	1461.2	1527.5	1629.3	1832.7	1985.4	2010.0
142.5°	1164.4	1203.9	1243.2	1253.1	1344.5	1466.5	1527.5	1616.8	1795.6	1929.7	1950.9
145°	1211.8	1246.2	1280.7	1289.2	1365.2	1466.5	1517.1	1590.2	1736.5	1846.2	1862.2
147.5°	1259.3	1292.8	1326.3	1334.6	1395.5	1476.6	1517.1	1574.7	1689.7	1776.1	1789.3
150°	1290.2	1320.5	1350.8	1358.3	1411.2	1481.8	1517.1	1565.7	1662.9	1735.8	1746.6
152.5°	1322.2	1345.1	1368.0	1373.8	1421.6	1485.2	1517.1	1558.6	1641.6	1703.9	1712.0
155°	1369.7	1386.6	1403.6	1407.8	1444.3	1492.8	1517.1	1550.2	1616.2	1665.7	1671.1
157.5°	1404.8	1421.2	1437.7	1441.8	1466.9	1500.4	1517.1	1542.8	1594.1	1632.6	1636.4
160°	1428.5	1441.3	1454.2	1457.3	1477.3	1503.9	1517.1	1539.1	1583.1	1616.1	1618.3
162.5°	1452.2	1461.7	1471.4	1473.8	1488.2	1507.4	1517.1	1535.6	1572.8	1600.7	1602.8
165°	1478.0	1486.7	1495.4	1497.6	1504.1	1512.7	1517.1	1530.5	1557.0	1577.0	1579.2
167.5°	1501.7	1505.8	1509.9	1510.9	1516.4	1523.8	1527.5	1536.1	1553.6	1566.6	1567.5
170°	1517.1	1521.3	1525.5	1526.5	1526.8	1527.3	1527.5	1536.1	1553.6	1566.6	1566.6
172.5°	1525.4	1526.3	1527.3	1527.5	1527.5	1527.5	1527.5	1534.3	1548.1	1558.4	1557.6
175°	1536.7	1536.7	1536.7	1536.7	1533.6	1529.6	1527.5	1531.8	1540.5	1547.1	1547.1
177.5°	1536.7	1536.7	1536.7	1536.7	1534.3	1531.2	1529.6	1532.9	1539.8	1545.0	1544.1
180°	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2159.2	2153.3	2159.2	2155.2	2157.2	2151.3	2133.3	2127.4	2133.3	2139.3	2139.3
5°	2185.1	2181.1	2185.1	2185.1	2183.1	2179.1	2159.2	2155.2	2159.2	2161.2	2157.2
7.5°	2193.1	2187.1	2193.1	2189.1	2189.1	2185.1	2165.2	2161.2	2163.2	2169.2	2163.2
10°	2193.1	2187.1	2193.1	2191.1	2189.1	2185.1	2165.2	2157.2	2157.2	2163.2	2157.2
12.5°	2183.1	2179.1	2183.1	2179.1	2179.1	2175.2	2155.2	2147.3	2149.3	2151.3	2143.3
15°	2167.2	2161.2	2167.2	2163.2	2165.2	2159.2	2137.3	2129.3	2129.3	2133.3	2119.4
17.5°	2143.3	2135.3	2143.3	2141.3	2139.3	2135.3	2115.4	2107.4	2105.4	2107.4	2097.5
20°	2115.4	2109.4	2115.4	2113.4	2113.4	2105.4	2085.5	2075.6	2075.6	2075.6	2065.6
22.5°	2071.6	2065.6	2071.6	2075.6	2075.6	2073.6	2055.6	2041.7	2037.7	2037.7	2025.8
25°	2021.8	2015.8	2021.8	2021.8	2019.8	2021.8	2015.8	2007.8	2001.9	1995.9	1983.9
27.5°	1974.0	1970.0	1974.0	1970.0	1974.0	1968.0	1966.0	1964.0	1956.0	1950.1	1934.1
30°	1926.2	1922.2	1926.2	1922.2	1918.2	1914.2	1904.3	1900.3	1908.2	1904.3	1878.4
32.5°	1866.4	1862.4	1866.4	1866.4	1862.4	1862.4	1846.5	1840.5	1842.5	1854.5	1830.5
35°	1804.7	1798.7	1804.7	1802.7	1804.7	1798.7	1788.7	1786.7	1778.8	1792.7	1774.8
37.5°	1732.9	1727.0	1732.9	1732.9	1732.9	1736.9	1729.0	1723.0	1711.0	1729.0	1715.0
40°	1659.2	1651.3	1659.2	1657.2	1659.2	1663.2	1659.2	1655.3	1643.3	1657.2	1645.3
42.5°	1575.6	1573.6	1575.6	1577.6	1577.6	1585.5	1591.5	1583.5	1579.6	1569.6	1577.6
45°	1485.9	1481.9	1485.9	1489.9	1491.9	1495.9	1513.8	1513.8	1507.8	1491.9	1503.9
47.5°	1390.3	1380.4	1390.3	1402.3	1402.3	1408.2	1426.2	1440.1	1430.2	1410.2	1416.2
50°	1288.7	1290.7	1288.7	1296.7	1296.7	1318.6	1332.5	1346.5	1356.5	1332.5	1304.7
52.5°	1189.1	1187.2	1189.1	1195.1	1203.1	1213.0	1236.9	1250.9	1266.8	1252.9	1209.0
55°	1089.6	1093.6	1089.6	1091.6	1095.6	1101.6	1137.4	1151.4	1181.3	1163.3	1117.5
57.5°	990.0	984.0	990.0	994.0	996.0	1002.0	1031.9	1057.8	1075.7	1077.7	1021.9
60°	874.5	866.5	874.5	892.4	896.4	900.4	928.3	952.2	968.1	974.1	916.3
62.5°	772.9	759.0	772.9	784.8	792.8	802.8	822.7	858.6	872.5	874.5	792.8
65°	665.3	659.4	665.3	689.2	691.2	703.2	725.1	751.0	780.9	776.9	659.4
67.5°	567.7	567.7	567.7	583.7	595.6	601.6	629.5	641.4	679.3	683.3	549.8
70°	478.1	476.1	478.1	490.0	498.0	511.9	537.8	551.8	581.7	591.6	446.2
72.5°	392.4	390.4	392.4	402.4	410.4	422.3	444.2	460.2	486.0	498.0	346.6
75°	316.7	312.7	316.7	324.7	322.7	338.6	356.6	372.5	396.4	404.4	257.0
77.5°	243.0	243.0	243.0	251.0	251.0	266.9	274.9	294.8	308.8	320.7	189.2
80°	181.3	179.3	181.3	183.3	183.3	191.2	205.2	219.1	231.1	231.1	129.5
82.5°	127.5	123.5	127.5	127.5	127.5	131.5	139.4	143.4	151.4	157.4	81.7
85°	79.7	79.7	79.7	81.7	79.7	83.7	85.7	89.6	89.6	85.7	49.8
87.5°	51.8	49.8	51.8	49.8	49.8	47.8	47.8	47.8	45.8	43.8	27.9
90°	39.1	39.1	39.1	39.1	39.1	52.2	69.6	78.4	67.4	45.4	28.9
92.5°	157.0	125.8	157.0	188.1	195.9	277.8	386.8	441.4	387.5	279.9	199.1
95°	547.2	452.8	547.2	641.6	665.2	873.6	1151.4	1290.2	1089.7	688.6	387.8
97.5°	1311.1	1131.5	1311.1	1490.8	1535.7	1667.4	1843.0	1930.7	1596.4	927.6	426.0
100°	1889.0	1675.0	1889.0	2103.2	2156.6	2147.0	2134.1	2127.8	1756.6	1014.5	458.0
102.5°	2457.5	2274.2	2457.5	2640.9	2686.7	2519.0	2295.3	2183.4	1807.1	1054.5	489.9
105°	3182.3	3083.8	3182.3	3280.9	3305.5	2929.4	2427.9	2177.3	1812.8	1083.9	537.3
107.5°	3657.1	3680.9	3657.1	3633.3	3627.3	3102.7	2403.2	2053.5	1732.1	1089.4	607.5
110°	3838.2	3940.9	3838.2	3735.5	3709.8	3123.4	2341.4	1950.4	1660.6	1081.3	646.7





TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3854.3	4012.0	3854.3	3696.7	3657.2	3056.9	2256.6	1856.4	1598.2	1081.6	694.1
115°	3752.1	3970.8	3752.1	3533.5	3478.8	2900.6	2129.5	1744.1	1526.6	1091.5	765.2
117.5°	3535.4	3777.9	3535.4	3293.0	3232.3	2710.4	2014.6	1666.7	1481.7	1111.8	834.3
120°	3360.8	3596.4	3360.8	3125.1	3066.3	2589.4	1953.7	1635.7	1466.6	1128.3	874.6
122.5°	3190.8	3423.2	3190.8	2958.3	2900.3	2470.9	1898.3	1612.0	1458.6	1152.0	922.0
125°	2948.2	3162.2	2948.2	2734.0	2680.5	2315.8	1829.5	1586.2	1452.2	1183.9	982.9
127.5°	2729.9	2910.5	2729.9	2549.3	2504.1	2191.0	1773.4	1564.6	1448.4	1216.0	1041.7
130°	2601.4	2768.2	2601.4	2434.5	2392.8	2114.0	1742.2	1556.3	1450.7	1239.3	1080.9
132.5°	2484.7	2634.1	2484.7	2335.2	2297.9	2048.3	1715.5	1549.1	1452.2	1258.2	1112.8
135°	2324.9	2453.6	2324.9	2196.0	2163.8	1954.7	1676.1	1536.7	1450.8	1278.9	1150.0
137.5°	2196.6	2302.1	2196.6	2091.2	2064.8	1888.1	1652.5	1534.6	1459.7	1309.8	1197.4
140°	2108.6	2207.1	2108.6	2010.0	1985.4	1832.7	1629.3	1527.5	1461.2	1328.8	1229.4
142.5°	2035.6	2120.5	2035.6	1950.9	1929.7	1795.6	1616.8	1527.5	1466.5	1344.5	1253.1
145°	1926.4	1990.5	1926.4	1862.2	1846.2	1736.5	1590.2	1517.1	1466.5	1365.2	1289.2
147.5°	1842.5	1895.7	1842.5	1789.3	1776.1	1689.7	1574.7	1517.1	1476.6	1395.5	1334.6
150°	1789.7	1832.7	1789.7	1746.6	1735.8	1662.9	1565.7	1517.1	1481.8	1411.2	1358.3
152.5°	1744.5	1777.1	1744.5	1712.0	1703.9	1641.6	1558.6	1517.1	1485.2	1421.6	1373.8
155°	1692.6	1714.1	1692.6	1671.1	1665.7	1616.2	1550.2	1517.1	1492.8	1444.3	1407.8
157.5°	1651.6	1666.7	1651.6	1636.4	1632.6	1594.1	1542.8	1517.1	1500.4	1466.9	1441.8
160°	1627.0	1635.7	1627.0	1618.3	1616.1	1583.1	1539.1	1517.1	1503.9	1477.3	1457.3
162.5°	1611.0	1619.3	1611.0	1602.8	1600.7	1572.8	1535.6	1517.1	1507.4	1488.2	1473.8
165°	1587.8	1596.6	1587.8	1579.2	1577.0	1557.0	1530.5	1517.1	1512.7	1504.1	1497.6
167.5°	1571.2	1574.9	1571.2	1567.5	1566.6	1553.6	1536.1	1527.5	1523.8	1516.4	1510.9
170°	1566.6	1566.6	1566.6	1566.6	1566.6	1553.6	1536.1	1527.5	1527.3	1526.8	1526.5
172.5°	1554.4	1551.2	1554.4	1557.6	1558.4	1548.1	1534.3	1527.5	1527.5	1527.5	1527.5
175°	1547.1	1547.1	1547.1	1547.1	1547.1	1540.5	1531.8	1527.5	1529.6	1533.6	1536.7
177.5°	1540.4	1536.7	1540.4	1544.1	1545.0	1539.8	1532.9	1529.6	1531.2	1534.3	1536.7
180°	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2135.3	2123.4	2123.4	2103.5	2095.5	2089.5	2079.5	2049.7	2041.7	2033.7	2045.7
5°	2153.3	2131.3	2115.4	2079.5	2049.7	2037.7	1999.9	1928.2	1880.3	1844.5	1824.6
7.5°	2157.2	2129.3	2099.5	2043.7	1972.0	1940.1	1824.6	1693.1	1657.2	1625.4	1605.5
10°	2153.3	2121.4	2079.5	1995.9	1826.6	1770.8	1655.3	1569.6	1547.7	1541.7	1547.7
12.5°	2139.3	2109.4	2051.7	1912.2	1675.2	1637.3	1569.6	1519.8	1515.8	1525.8	1579.6
15°	2115.4	2087.5	2019.8	1800.7	1591.5	1563.6	1515.8	1497.9	1519.8	1589.5	1750.9
17.5°	2091.5	2059.6	1976.0	1691.1	1527.8	1507.8	1474.0	1509.8	1633.3	1727.0	1780.7
20°	2059.6	2021.8	1926.2	1611.4	1481.9	1464.0	1448.1	1609.4	1703.1	1736.9	1766.8
22.5°	2021.8	1981.9	1858.4	1555.7	1434.1	1420.2	1430.2	1665.2	1703.1	1727.0	1752.9
25°	1972.0	1938.1	1778.8	1511.8	1396.3	1380.4	1418.2	1659.2	1681.1	1687.1	1738.9
27.5°	1926.2	1882.3	1695.1	1472.0	1350.5	1344.5	1428.2	1633.3	1649.3	1655.3	1711.0
30°	1870.4	1804.7	1601.5	1430.2	1302.7	1300.7	1430.2	1601.5	1597.5	1613.4	1669.2
32.5°	1812.6	1689.1	1495.9	1378.4	1256.9	1254.9	1416.2	1553.7	1549.7	1571.6	1613.4
35°	1758.8	1599.5	1352.5	1318.6	1199.1	1201.1	1382.3	1497.9	1499.9	1519.8	1545.7
37.5°	1703.1	1521.8	1195.1	1252.9	1143.4	1143.4	1336.5	1446.1	1442.1	1448.1	1483.9
40°	1637.3	1400.3	1055.8	1167.3	1091.6	1085.6	1280.8	1390.3	1376.4	1374.4	1424.2
42.5°	1567.6	1266.8	952.2	1053.8	1031.9	1023.9	1213.0	1322.6	1296.7	1302.7	1366.4
45°	1491.9	1231.0	872.5	890.4	970.1	964.1	1139.4	1244.9	1227.0	1242.9	1308.6
47.5°	1416.2	1159.3	846.6	739.0	904.4	902.4	1057.8	1169.3	1159.3	1175.3	1244.9
50°	1312.6	1079.7	844.6	633.5	830.7	838.6	960.1	1095.6	1095.6	1109.5	1183.2
52.5°	1179.3	982.1	766.9	573.7	745.0	768.9	874.5	1031.9	1035.8	1049.8	1115.5
55°	1057.8	880.5	711.1	527.9	643.4	695.2	790.8	966.1	974.1	988.0	1047.8
57.5°	946.2	733.1	699.2	474.1	549.8	599.6	717.1	902.4	906.4	918.3	976.1
60°	826.7	529.9	641.4	416.3	468.1	506.0	649.4	826.7	840.6	848.6	898.4
62.5°	691.2	384.5	581.7	376.5	428.3	436.2	593.6	755.0	772.9	778.9	808.8
65°	492.0	322.7	494.0	342.6	386.4	388.4	533.9	681.3	697.2	707.2	729.1
67.5°	332.7	262.9	376.5	310.8	354.6	356.6	476.1	595.6	617.5	625.5	639.4
70°	231.1	175.3	278.9	276.9	318.7	322.7	414.3	517.9	537.8	543.8	551.8
72.5°	169.3	141.4	231.1	249.0	280.9	284.9	350.6	430.3	450.2	456.2	460.2
75°	129.5	149.4	187.2	217.1	239.0	241.0	286.8	350.6	364.5	368.5	370.5
77.5°	103.6	139.4	137.4	175.3	195.2	191.2	225.1	270.9	282.9	282.9	282.9
80°	77.7	109.6	103.6	125.5	143.4	139.4	161.4	193.2	197.2	201.2	199.2
82.5°	57.8	69.7	69.7	79.7	95.6	91.6	107.6	125.5	125.5	125.5	129.5
85°	35.9	39.8	31.9	41.8	53.8	51.8	59.8	67.7	69.7	69.7	65.7
87.5°	21.9	17.9	10.0	15.9	23.9	23.9	27.9	29.9	27.9	27.9	27.9
90°	26.8	18.6	10.4	18.6	26.8	28.9	45.4	67.4	78.4	69.6	52.2
92.5°	181.6	111.4	41.2	111.4	181.6	199.1	279.9	387.5	441.4	386.8	277.8
95°	355.8	227.4	99.0	227.4	355.8	387.8	688.6	1089.7	1290.2	1151.4	873.6
97.5°	397.7	284.5	171.2	284.5	397.7	426.0	927.6	1596.4	1930.7	1843.0	1667.4
100°	432.3	329.6	226.9	329.6	432.3	458.0	1014.5	1756.6	2127.8	2134.1	2147.0
102.5°	465.9	370.1	274.3	370.1	465.9	489.9	1054.5	1807.1	2183.4	2295.3	2519.0
105°	517.0	435.9	354.8	435.9	517.0	537.3	1083.9	1812.8	2177.3	2427.9	2929.4
107.5°	588.5	512.9	437.3	512.9	588.5	607.5	1089.4	1732.1	2053.5	2403.2	3102.7
110°	629.7	561.3	493.0	561.3	629.7	646.7	1081.3	1660.6	1950.4	2341.4	3123.4



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	677.9	612.7	547.7	612.7	677.9	694.1	1081.6	1598.2	1856.4	2256.6	3056.9
115°	750.2	690.2	630.2	690.2	750.2	765.2	1091.5	1526.6	1744.1	2129.5	2900.6
117.5°	820.7	766.2	711.6	766.2	820.7	834.3	1111.8	1481.7	1666.7	2014.6	2710.4
120°	861.7	810.4	759.1	810.4	861.7	874.6	1128.3	1466.6	1635.7	1953.7	2589.4
122.5°	909.0	857.3	805.5	857.3	909.0	922.0	1152.0	1458.6	1612.0	1898.3	2470.9
125°	971.1	923.9	876.7	923.9	971.1	982.9	1183.9	1452.2	1586.2	1829.5	2315.8
127.5°	1029.8	982.2	934.4	982.2	1029.8	1041.7	1216.0	1448.4	1564.6	1773.4	2191.0
130°	1068.0	1016.7	965.3	1016.7	1068.0	1080.9	1239.3	1450.7	1556.3	1742.2	2114.0
132.5°	1100.0	1048.7	997.3	1048.7	1100.0	1112.8	1258.2	1452.2	1549.1	1715.5	2048.3
135°	1138.3	1091.5	1044.8	1091.5	1138.3	1150.0	1278.9	1450.8	1536.7	1676.1	1954.7
137.5°	1185.8	1139.5	1093.2	1139.5	1185.8	1197.4	1309.8	1459.7	1534.6	1652.5	1888.1
140°	1218.7	1176.1	1133.4	1176.1	1218.7	1229.4	1328.8	1461.2	1527.5	1629.3	1832.7
142.5°	1243.2	1203.9	1164.4	1203.9	1243.2	1253.1	1344.5	1466.5	1527.5	1616.8	1795.6
145°	1280.7	1246.2	1211.8	1246.2	1280.7	1289.2	1365.2	1466.5	1517.1	1590.2	1736.5
147.5°	1326.3	1292.8	1259.3	1292.8	1326.3	1334.6	1395.5	1476.6	1517.1	1574.7	1689.7
150°	1350.8	1320.5	1290.2	1320.5	1350.8	1358.3	1411.2	1481.8	1517.1	1565.7	1662.9
152.5°	1368.0	1345.1	1322.2	1345.1	1368.0	1373.8	1421.6	1485.2	1517.1	1558.6	1641.6
155°	1403.6	1386.6	1369.7	1386.6	1403.6	1407.8	1444.3	1492.8	1517.1	1550.2	1616.2
157.5°	1437.7	1421.2	1404.8	1421.2	1437.7	1441.8	1466.9	1500.4	1517.1	1542.8	1594.1
160°	1454.2	1441.3	1428.5	1441.3	1454.2	1457.3	1477.3	1503.9	1517.1	1539.1	1583.1
162.5°	1471.4	1461.7	1452.2	1461.7	1471.4	1473.8	1488.2	1507.4	1517.1	1535.6	1572.8
165°	1495.4	1486.7	1478.0	1486.7	1495.4	1497.6	1504.1	1512.7	1517.1	1530.5	1557.0
167.5°	1509.9	1505.8	1501.7	1505.8	1509.9	1510.9	1516.4	1523.8	1527.5	1536.1	1553.6
170°	1525.5	1521.3	1517.1	1521.3	1525.5	1526.5	1526.8	1527.3	1527.5	1536.1	1553.6
172.5°	1527.3	1526.3	1525.4	1526.3	1527.3	1527.5	1527.5	1527.5	1527.5	1534.3	1548.1
175°	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1533.6	1529.6	1527.5	1531.8	1540.5
177.5°	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1534.3	1531.2	1529.6	1532.9	1539.8
180°	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7



TEST NUMBER: P935592  
 CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2031.7	2025.8	2033.7	2011.8	2033.7	2025.8	2031.7	2045.7	2033.7	2041.7	2049.7
5°	1782.7	1772.8	1740.9	1715.0	1740.9	1772.8	1782.7	1824.6	1844.5	1880.3	1928.2
7.5°	1593.5	1585.5	1577.6	1561.6	1577.6	1585.5	1593.5	1605.5	1625.4	1657.2	1693.1
10°	1551.7	1553.7	1565.6	1563.6	1565.6	1553.7	1551.7	1547.7	1541.7	1547.7	1569.6
12.5°	1659.2	1677.2	1742.9	1738.9	1742.9	1677.2	1659.2	1579.6	1525.8	1515.8	1519.8
15°	1782.7	1788.7	1802.7	1804.7	1802.7	1788.7	1782.7	1750.9	1589.5	1519.8	1497.9
17.5°	1794.7	1796.7	1806.6	1806.6	1806.6	1796.7	1794.7	1780.7	1727.0	1633.3	1509.8
20°	1784.7	1788.7	1808.6	1812.6	1808.6	1788.7	1784.7	1766.8	1736.9	1703.1	1609.4
22.5°	1780.7	1788.7	1804.7	1802.7	1804.7	1788.7	1780.7	1752.9	1727.0	1703.1	1665.2
25°	1760.8	1760.8	1762.8	1764.8	1762.8	1760.8	1760.8	1738.9	1687.1	1681.1	1659.2
27.5°	1719.0	1723.0	1734.9	1732.9	1734.9	1723.0	1719.0	1711.0	1655.3	1649.3	1633.3
30°	1681.1	1677.2	1667.2	1659.2	1667.2	1677.2	1681.1	1669.2	1613.4	1597.5	1601.5
32.5°	1617.4	1607.4	1597.5	1591.5	1597.5	1607.4	1617.4	1613.4	1571.6	1549.7	1553.7
35°	1541.7	1543.7	1541.7	1535.7	1541.7	1543.7	1541.7	1545.7	1519.8	1499.9	1497.9
37.5°	1487.9	1491.9	1489.9	1481.9	1489.9	1491.9	1487.9	1483.9	1448.1	1442.1	1446.1
40°	1432.1	1434.1	1432.1	1426.2	1432.1	1434.1	1432.1	1424.2	1374.4	1376.4	1390.3
42.5°	1378.4	1376.4	1370.4	1366.4	1370.4	1376.4	1378.4	1366.4	1302.7	1296.7	1322.6
45°	1316.6	1318.6	1306.7	1300.7	1306.7	1318.6	1316.6	1308.6	1242.9	1227.0	1244.9
47.5°	1254.9	1254.9	1244.9	1238.9	1244.9	1254.9	1254.9	1244.9	1175.3	1159.3	1169.3
50°	1189.1	1187.2	1173.3	1171.3	1173.3	1187.2	1189.1	1183.2	1109.5	1095.6	1095.6
52.5°	1113.5	1113.5	1115.5	1119.5	1115.5	1113.5	1113.5	1115.5	1049.8	1035.8	1031.9
55°	1047.8	1049.8	1063.7	1067.7	1063.7	1049.8	1047.8	1047.8	988.0	974.1	966.1
57.5°	980.1	980.1	990.0	990.0	990.0	980.1	980.1	976.1	918.3	906.4	902.4
60°	902.4	906.4	914.3	912.3	914.3	906.4	902.4	898.4	848.6	840.6	826.7
62.5°	820.7	824.7	826.7	822.7	826.7	824.7	820.7	808.8	778.9	772.9	755.0
65°	735.0	739.0	741.0	737.0	741.0	739.0	735.0	729.1	707.2	697.2	681.3
67.5°	647.4	645.4	643.4	651.4	643.4	645.4	647.4	639.4	625.5	617.5	595.6
70°	557.8	557.8	555.8	559.8	555.8	557.8	557.8	551.8	543.8	537.8	517.9
72.5°	462.1	460.2	468.1	462.1	468.1	460.2	462.1	460.2	456.2	450.2	430.3
75°	368.5	372.5	368.5	374.5	368.5	372.5	368.5	370.5	368.5	364.5	350.6
77.5°	280.9	284.9	280.9	280.9	280.9	284.9	280.9	282.9	282.9	282.9	270.9
80°	199.2	197.2	197.2	195.2	197.2	197.2	199.2	199.2	201.2	197.2	193.2
82.5°	127.5	125.5	125.5	129.5	125.5	125.5	127.5	129.5	125.5	125.5	125.5
85°	69.7	71.7	67.7	67.7	67.7	71.7	69.7	65.7	69.7	69.7	67.7
87.5°	25.9	23.9	23.9	23.9	23.9	23.9	25.9	27.9	27.9	27.9	29.9
90°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	52.2	69.6	78.4	67.4
92.5°	195.9	188.1	157.0	125.8	157.0	188.1	195.9	277.8	386.8	441.4	387.5
95°	665.2	641.6	547.2	452.8	547.2	641.6	665.2	873.6	1151.4	1290.2	1089.7
97.5°	1535.7	1490.8	1311.1	1131.5	1311.1	1490.8	1535.7	1667.4	1843.0	1930.7	1596.4
100°	2156.6	2103.2	1889.0	1675.0	1889.0	2103.2	2156.6	2147.0	2134.1	2127.8	1756.6
102.5°	2686.7	2640.9	2457.5	2274.2	2457.5	2640.9	2686.7	2519.0	2295.3	2183.4	1807.1
105°	3305.5	3280.9	3182.3	3083.8	3182.3	3280.9	3305.5	2929.4	2427.9	2177.3	1812.8
107.5°	3627.3	3633.3	3657.1	3680.9	3657.1	3633.3	3627.3	3102.7	2403.2	2053.5	1732.1
110°	3709.8	3735.5	3838.2	3940.9	3838.2	3735.5	3709.8	3123.4	2341.4	1950.4	1660.6



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3657.2	3696.7	3854.3	4012.0	3854.3	3696.7	3657.2	3056.9	2256.6	1856.4	1598.2
115°	3478.8	3533.5	3752.1	3970.8	3752.1	3533.5	3478.8	2900.6	2129.5	1744.1	1526.6
117.5°	3232.3	3293.0	3535.4	3777.9	3535.4	3293.0	3232.3	2710.4	2014.6	1666.7	1481.7
120°	3066.3	3125.1	3360.8	3596.4	3360.8	3125.1	3066.3	2589.4	1953.7	1635.7	1466.6
122.5°	2900.3	2958.3	3190.8	3423.2	3190.8	2958.3	2900.3	2470.9	1898.3	1612.0	1458.6
125°	2680.5	2734.0	2948.2	3162.2	2948.2	2734.0	2680.5	2315.8	1829.5	1586.2	1452.2
127.5°	2504.1	2549.3	2729.9	2910.5	2729.9	2549.3	2504.1	2191.0	1773.4	1564.6	1448.4
130°	2392.8	2434.5	2601.4	2768.2	2601.4	2434.5	2392.8	2114.0	1742.2	1556.3	1450.7
132.5°	2297.9	2335.2	2484.7	2634.1	2484.7	2335.2	2297.9	2048.3	1715.5	1549.1	1452.2
135°	2163.8	2196.0	2324.9	2453.6	2324.9	2196.0	2163.8	1954.7	1676.1	1536.7	1450.8
137.5°	2064.8	2091.2	2196.6	2302.1	2196.6	2091.2	2064.8	1888.1	1652.5	1534.6	1459.7
140°	1985.4	2010.0	2108.6	2207.1	2108.6	2010.0	1985.4	1832.7	1629.3	1527.5	1461.2
142.5°	1929.7	1950.9	2035.6	2120.5	2035.6	1950.9	1929.7	1795.6	1616.8	1527.5	1466.5
145°	1846.2	1862.2	1926.4	1990.5	1926.4	1862.2	1846.2	1736.5	1590.2	1517.1	1466.5
147.5°	1776.1	1789.3	1842.5	1895.7	1842.5	1789.3	1776.1	1689.7	1574.7	1517.1	1476.6
150°	1735.8	1746.6	1789.7	1832.7	1789.7	1746.6	1735.8	1662.9	1565.7	1517.1	1481.8
152.5°	1703.9	1712.0	1744.5	1777.1	1744.5	1712.0	1703.9	1641.6	1558.6	1517.1	1485.2
155°	1665.7	1671.1	1692.6	1714.1	1692.6	1671.1	1665.7	1616.2	1550.2	1517.1	1492.8
157.5°	1632.6	1636.4	1651.6	1666.7	1651.6	1636.4	1632.6	1594.1	1542.8	1517.1	1500.4
160°	1616.1	1618.3	1627.0	1635.7	1627.0	1618.3	1616.1	1583.1	1539.1	1517.1	1503.9
162.5°	1600.7	1602.8	1611.0	1619.3	1611.0	1602.8	1600.7	1572.8	1535.6	1517.1	1507.4
165°	1577.0	1579.2	1587.8	1596.6	1587.8	1579.2	1577.0	1557.0	1530.5	1517.1	1512.7
167.5°	1566.6	1567.5	1571.2	1574.9	1571.2	1567.5	1566.6	1553.6	1536.1	1527.5	1523.8
170°	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1566.6	1553.6	1536.1	1527.5	1527.3
172.5°	1558.4	1557.6	1554.4	1551.2	1554.4	1557.6	1558.4	1548.1	1534.3	1527.5	1527.5
175°	1547.1	1547.1	1547.1	1547.1	1547.1	1547.1	1547.1	1540.5	1531.8	1527.5	1529.6
177.5°	1545.0	1544.1	1540.4	1536.7	1540.4	1544.1	1545.0	1539.8	1532.9	1529.6	1531.2
180°	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7	1536.7



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2079.5	2089.5	2095.5	2103.5	2123.4
5°	1999.9	2037.7	2049.7	2079.5	2115.4
7.5°	1824.6	1940.1	1972.0	2043.7	2099.5
10°	1655.3	1770.8	1826.6	1995.9	2079.5
12.5°	1569.6	1637.3	1675.2	1912.2	2051.7
15°	1515.8	1563.6	1591.5	1800.7	2019.8
17.5°	1474.0	1507.8	1527.8	1691.1	1976.0
20°	1448.1	1464.0	1481.9	1611.4	1926.2
22.5°	1430.2	1420.2	1434.1	1555.7	1858.4
25°	1418.2	1380.4	1396.3	1511.8	1778.8
27.5°	1428.2	1344.5	1350.5	1472.0	1695.1
30°	1430.2	1300.7	1302.7	1430.2	1601.5
32.5°	1416.2	1254.9	1256.9	1378.4	1495.9
35°	1382.3	1201.1	1199.1	1318.6	1352.5
37.5°	1336.5	1143.4	1143.4	1252.9	1195.1
40°	1280.8	1085.6	1091.6	1167.3	1055.8
42.5°	1213.0	1023.9	1031.9	1053.8	952.2
45°	1139.4	964.1	970.1	890.4	872.5
47.5°	1057.8	902.4	904.4	739.0	846.6
50°	960.1	838.6	830.7	633.5	844.6
52.5°	874.5	768.9	745.0	573.7	766.9
55°	790.8	695.2	643.4	527.9	711.1
57.5°	717.1	599.6	549.8	474.1	699.2
60°	649.4	506.0	468.1	416.3	641.4
62.5°	593.6	436.2	428.3	376.5	581.7
65°	533.9	388.4	386.4	342.6	494.0
67.5°	476.1	356.6	354.6	310.8	376.5
70°	414.3	322.7	318.7	276.9	278.9
72.5°	350.6	284.9	280.9	249.0	231.1
75°	286.8	241.0	239.0	217.1	187.2
77.5°	225.1	191.2	195.2	175.3	137.4
80°	161.4	139.4	143.4	125.5	103.6
82.5°	107.6	91.6	95.6	79.7	69.7
85°	59.8	51.8	53.8	41.8	31.9
87.5°	27.9	23.9	23.9	15.9	10.0
90°	45.4	28.9	26.8	18.6	10.4
92.5°	279.9	199.1	181.6	111.4	41.2
95°	688.6	387.8	355.8	227.4	99.0
97.5°	927.6	426.0	397.7	284.5	171.2
100°	1014.5	458.0	432.3	329.6	226.9
102.5°	1054.5	489.9	465.9	370.1	274.3
105°	1083.9	537.3	517.0	435.9	354.8
107.5°	1089.4	607.5	588.5	512.9	437.3
110°	1081.3	646.7	629.7	561.3	493.0



TEST NUMBER: P935592

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1081.6	694.1	677.9	612.7	547.7
115°	1091.5	765.2	750.2	690.2	630.2
117.5°	1111.8	834.3	820.7	766.2	711.6
120°	1128.3	874.6	861.7	810.4	759.1
122.5°	1152.0	922.0	909.0	857.3	805.5
125°	1183.9	982.9	971.1	923.9	876.7
127.5°	1216.0	1041.7	1029.8	982.2	934.4
130°	1239.3	1080.9	1068.0	1016.7	965.3
132.5°	1258.2	1112.8	1100.0	1048.7	997.3
135°	1278.9	1150.0	1138.3	1091.5	1044.8
137.5°	1309.8	1197.4	1185.8	1139.5	1093.2
140°	1328.8	1229.4	1218.7	1176.1	1133.4
142.5°	1344.5	1253.1	1243.2	1203.9	1164.4
145°	1365.2	1289.2	1280.7	1246.2	1211.8
147.5°	1395.5	1334.6	1326.3	1292.8	1259.3
150°	1411.2	1358.3	1350.8	1320.5	1290.2
152.5°	1421.6	1373.8	1368.0	1345.1	1322.2
155°	1444.3	1407.8	1403.6	1386.6	1369.7
157.5°	1466.9	1441.8	1437.7	1421.2	1404.8
160°	1477.3	1457.3	1454.2	1441.3	1428.5
162.5°	1488.2	1473.8	1471.4	1461.7	1452.2
165°	1504.1	1497.6	1495.4	1486.7	1478.0
167.5°	1516.4	1510.9	1509.9	1505.8	1501.7
170°	1526.8	1526.5	1525.5	1521.3	1517.1
172.5°	1527.5	1527.5	1527.3	1526.3	1525.4
175°	1533.6	1536.7	1536.7	1536.7	1536.7
177.5°	1534.3	1536.7	1536.7	1536.7	1536.7
180°	1536.7	1536.7	1536.7	1536.7	1536.7



TEST NUMBER: P935592  
 CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-8-2700K

**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	11.20	11.95	12.28	13.02	14.49	14.04	14.79	15.11	15.86	17.33
	3H	11.67	12.34	12.75	13.42	14.90	15.38	16.05	16.46	17.13	18.61
	4H	11.86	12.49	12.95	13.57	15.06	15.82	16.45	16.91	17.54	19.03
	6H	11.97	12.55	13.07	13.64	15.14	16.10	16.68	17.20	17.77	19.27
	8H	11.97	12.52	13.07	13.62	15.12	16.17	16.73	17.28	17.83	19.33
	12H	11.93	12.46	13.05	13.56	15.08	16.21	16.73	17.32	17.83	19.35
4H	2H	12.22	12.86	13.32	13.94	15.43	14.44	15.07	15.54	16.15	17.64
	3H	13.24	13.77	14.35	14.88	16.38	15.93	16.46	17.04	17.57	19.07
	4H	13.51	13.99	14.62	15.10	16.62	16.46	16.94	17.57	18.04	19.56
	6H	13.63	14.04	14.75	15.17	16.68	16.82	17.23	17.94	18.36	19.87
	8H	13.63	14.02	14.75	15.14	16.67	16.92	17.31	18.04	18.43	19.96
	12H	13.59	13.94	14.73	15.07	16.61	16.98	17.33	18.11	18.45	19.99
8H	4H	13.96	14.34	15.08	15.46	16.99	16.57	16.96	17.69	18.08	19.61
	6H	14.21	14.53	15.35	15.69	17.22	17.01	17.33	18.15	18.48	20.01
	8H	14.25	14.53	15.40	15.67	17.22	17.16	17.44	18.30	18.58	20.12
	12H	14.23	14.48	15.38	15.61	17.20	17.25	17.50	18.40	18.63	20.22
12H	4H	13.96	14.31	15.09	15.44	16.97	16.53	16.88	17.67	18.01	19.55
	6H	14.27	14.55	15.42	15.69	17.24	17.00	17.28	18.15	18.42	19.97
	8H	14.33	14.58	15.48	15.71	17.30	17.16	17.40	18.31	18.54	20.12