

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: P935028

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

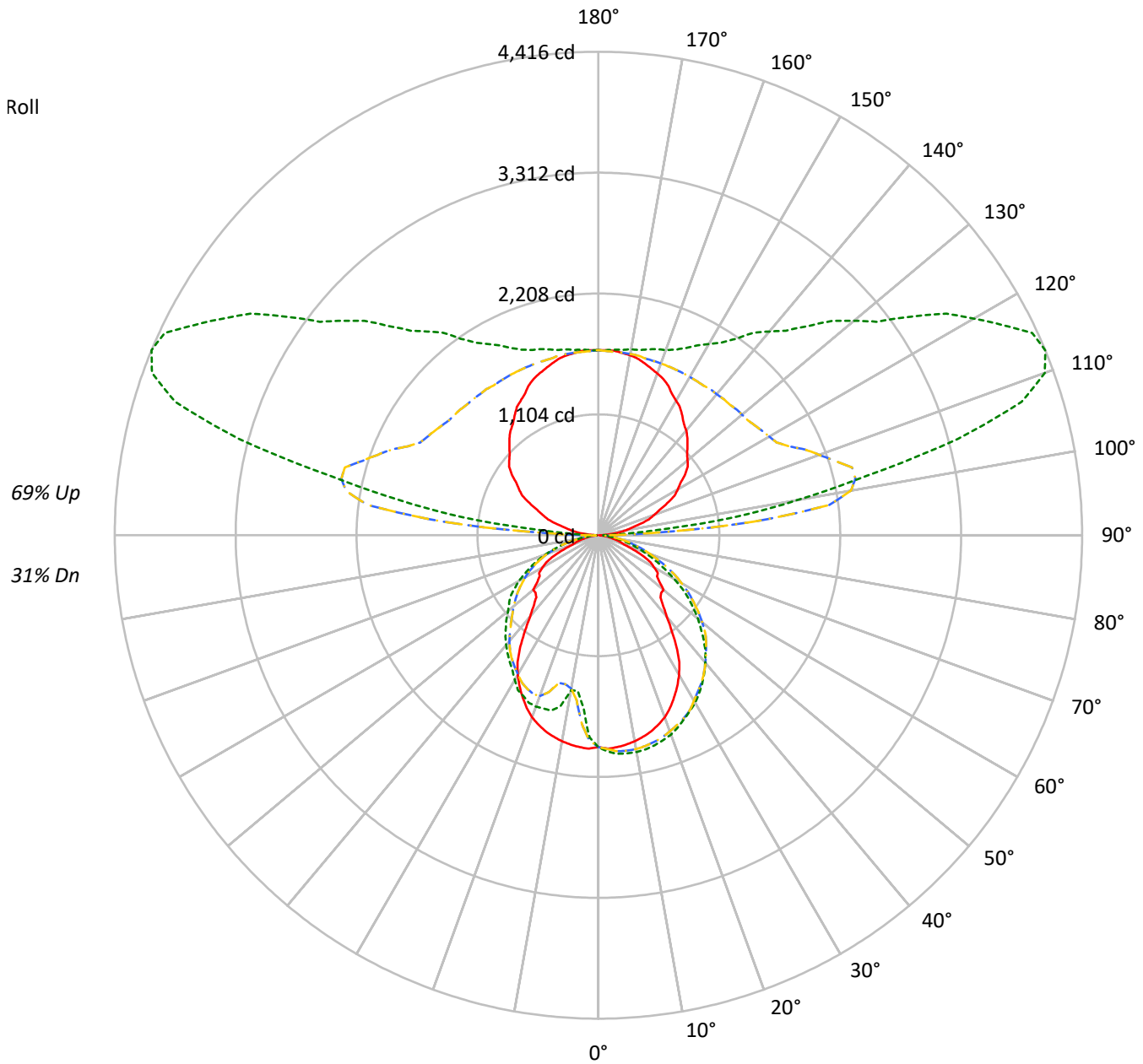
Test Method: LM-79-2019  
Report Number: P935028  
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15986.0 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 123.6  
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: P935028  
CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

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

	0°	90°	180°	270°
0°	5983	5983	5983	5983
5°	6030	6040	6030	4749
10°	5992	5950	5992	4254
15°	5929	5821	5929	4860
20°	5808	5668	5808	4871
25°	5556	5445	5556	4767
30°	5230	5260	5230	4541
35°	4665	5026	4665	4292
40°	3889	4751	3889	4104
45°	3477	4429	3477	3887
50°	3697	4044	3697	3670
55°	3482	3631	3482	3545
60°	3594	3083	3594	3246
65°	3264	2549	3264	2849
70°	2265	2031	2265	2388
75°	1994	1502	1994	1798
80°	1618	993	1618	1081
85°	949	526	949	447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5326 cd/sqm



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.6	1.1
10°-20°	495.8	3.1
20°-30°	766.4	4.8
30°-40°	914.9	5.7
40°-50°	920.3	5.8
50°-60°	800.8	5.0
60°-70°	567.8	3.6
70°-80°	300.4	1.9
80°-90°	81.3	0.5
90°-100°	824.4	5.2
100°-110°	2167.4	13.6
110°-120°	2247.4	14.1
120°-130°	1802.7	11.3
130°-140°	1414.5	8.8
140°-150°	1085.6	6.8
150°-160°	781.8	4.9
160°-170°	478.4	3.0
170°-180°	161.6	1.0
0°-30°	1436.8	9.0
0°-40°	2351.7	14.7
0°-60°	4072.8	25.5
0°-90°	5022.2	31.4
90°-120°	5239.2	32.8
90°-150°	9541.9	59.7
90°-180°	10964.0	68.6
0°-180°	15986.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1934	1934	1934	1934	1934	
5°	1944	2004	1944	1576	1944	184
15°	1856	1986	1856	1658	1856	522
25°	1634	1852	1634	1622	1634	750
35°	1243	1653	1243	1411	1243	769
45°	802	1362	802	1195	802	642
55°	653	1005	653	981	653	600
65°	454	606	454	677	454	434
75°	172	287	172	344	172	181
85°	29	73	29	62	29	40
90°	11	43	11	43	11	11
95°	109	498	109	498	109	121
105°	390	3394	390	3394	390	414
115°	694	4370	694	4370	694	685
125°	965	3480	965	3480	965	857
135°	1150	2700	1150	2700	1150	890
145°	1334	2191	1334	2191	1334	836
155°	1507	1886	1507	1886	1507	693
165°	1626	1757	1626	1757	1626	459
175°	1691	1703	1691	1703	1691	161
180°	1691	1691	1691	1691	1691	



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1950.9	1950.9	1961.9	1965.5	1965.5	1960.1	1954.6	1960.1	1976.6	1982.0	1980.2
5°	1943.6	1958.3	1978.4	1982.0	1985.7	1983.9	1980.2	1983.9	2002.2	2005.8	2007.7
7.5°	1929.0	1956.4	1982.0	1987.6	1993.0	1987.6	1985.7	1989.4	2007.7	2011.3	2011.3
10°	1910.7	1949.1	1978.4	1982.0	1987.6	1982.0	1982.0	1989.4	2007.7	2011.3	2013.2
12.5°	1885.0	1938.2	1965.5	1969.3	1976.6	1974.7	1972.9	1980.2	1998.6	2002.2	2002.2
15°	1855.8	1918.0	1943.6	1947.3	1960.1	1956.4	1956.4	1963.7	1983.9	1989.4	1987.6
17.5°	1815.5	1892.4	1921.7	1927.2	1936.3	1934.4	1936.3	1943.6	1961.9	1965.5	1967.5
20°	1769.8	1857.6	1892.4	1897.9	1907.1	1907.1	1907.1	1916.2	1934.4	1941.8	1941.8
22.5°	1707.6	1821.0	1857.6	1861.3	1872.2	1872.2	1875.9	1888.7	1905.1	1907.1	1907.1
25°	1634.3	1780.7	1811.8	1822.8	1833.8	1839.3	1844.8	1852.1	1857.6	1855.8	1857.6
27.5°	1557.5	1729.5	1769.8	1777.1	1791.7	1797.2	1804.5	1806.4	1808.2	1813.6	1810.0
30°	1471.4	1658.1	1718.5	1725.9	1749.6	1753.3	1746.0	1749.6	1758.8	1762.4	1766.1
32.5°	1374.5	1551.9	1665.5	1681.9	1703.8	1692.9	1691.0	1696.6	1711.2	1711.2	1714.8
35°	1242.7	1469.6	1616.1	1630.7	1647.2	1634.3	1641.6	1643.4	1652.6	1658.1	1656.3
37.5°	1098.1	1398.2	1564.8	1575.8	1588.6	1572.1	1583.0	1588.6	1595.9	1592.2	1592.2
40°	969.9	1286.6	1504.4	1511.7	1522.6	1509.9	1520.8	1524.6	1528.2	1524.6	1522.6
42.5°	874.8	1164.0	1440.3	1449.5	1442.1	1451.3	1455.0	1462.3	1456.8	1449.5	1449.5
45°	801.6	1131.0	1370.8	1381.7	1370.8	1385.5	1390.9	1390.9	1374.5	1370.8	1368.9
47.5°	777.8	1065.2	1301.2	1301.2	1295.8	1314.1	1323.2	1310.4	1294.0	1288.4	1288.4
50°	776.0	992.0	1206.1	1198.7	1224.4	1246.3	1237.2	1224.4	1211.5	1191.4	1191.4
52.5°	704.6	902.3	1083.5	1110.9	1151.1	1164.0	1149.3	1136.5	1114.6	1105.4	1098.1
55°	653.4	808.9	971.8	1026.7	1068.8	1085.3	1057.8	1045.0	1012.1	1006.6	1003.0
57.5°	642.4	673.5	869.3	938.8	990.1	988.3	971.8	948.0	920.6	915.1	913.3
60°	589.4	486.8	759.5	841.9	894.9	889.4	874.8	852.9	827.2	823.6	819.9
62.5°	534.4	353.2	635.0	728.4	803.4	801.6	788.8	755.8	737.5	728.4	721.1
65°	453.9	296.5	452.1	605.8	713.8	717.4	690.0	666.2	646.0	635.0	633.2
67.5°	345.9	241.6	305.6	505.1	627.7	624.1	589.4	578.3	552.7	547.2	536.2
70°	256.2	161.1	212.3	410.0	543.6	534.4	506.9	494.1	470.4	457.5	450.2
72.5°	212.3	129.9	155.5	318.5	457.5	446.5	422.8	408.2	388.0	377.0	369.7
75°	172.0	137.3	119.0	236.1	371.5	364.2	342.2	327.6	311.1	296.5	298.3
77.5°	126.3	128.1	95.1	173.8	294.6	283.7	270.9	252.6	245.2	230.6	230.6
80°	95.1	100.7	71.4	119.0	212.3	212.3	201.3	188.5	175.7	168.4	168.4
82.5°	64.0	64.0	53.0	75.0	144.5	139.1	131.8	128.1	120.8	117.2	117.2
85°	29.3	36.6	32.9	45.8	78.7	82.3	82.3	78.7	76.9	73.2	75.0
87.5°	9.2	16.5	20.1	25.7	40.3	42.1	43.9	43.9	43.9	45.8	45.8
90°	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5	43.1	43.1
92.5°	45.4	122.5	199.8	219.0	308.0	426.5	485.8	425.8	305.7	215.7	207.1
95°	109.0	250.2	391.5	426.8	757.8	1199.3	1419.9	1267.1	961.4	732.1	706.1
97.5°	188.4	313.0	437.6	468.8	1020.8	1756.8	2124.8	2028.2	1835.0	1690.1	1640.7
100°	249.7	362.7	475.6	503.9	1116.5	1933.3	2341.7	2348.8	2362.9	2373.4	2314.6
102.5°	301.9	407.3	512.8	539.1	1160.4	1988.8	2403.0	2526.1	2772.2	2956.9	2906.4
105°	390.5	479.7	569.1	591.4	1193.0	1995.1	2396.2	2672.1	3224.0	3637.9	3610.8
107.5°	481.3	564.5	647.8	668.6	1199.0	1906.2	2259.9	2644.9	3414.7	3992.0	3998.6
110°	542.6	617.7	692.9	711.7	1189.9	1827.6	2146.4	2576.7	3437.3	4082.8	4111.1



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	602.7	674.4	746.0	763.9	1190.4	1758.9	2043.1	2483.6	3364.4	4025.0	4068.4
115°	693.5	759.6	825.7	842.2	1201.3	1680.0	1919.4	2343.7	3192.2	3828.6	3888.7
117.5°	783.2	843.2	903.3	918.3	1223.6	1630.7	1834.3	2217.1	2983.0	3557.3	3624.0
120°	835.4	891.9	948.5	962.6	1241.8	1614.2	1800.3	2150.1	2849.8	3374.6	3439.4
122.5°	886.5	943.6	1000.5	1014.8	1267.9	1605.4	1774.2	2089.2	2719.3	3191.8	3255.8
125°	964.9	1016.8	1068.7	1081.7	1303.1	1598.2	1745.8	2013.4	2548.6	2950.0	3008.9
127.5°	1028.3	1080.8	1133.3	1146.4	1338.3	1594.0	1721.9	1951.7	2411.3	2755.9	2805.6
130°	1062.5	1118.9	1175.4	1189.5	1364.0	1596.6	1712.8	1917.4	2326.6	2633.4	2679.3
132.5°	1097.7	1154.1	1210.6	1224.7	1384.7	1598.1	1704.8	1888.0	2254.3	2529.0	2570.1
135°	1149.9	1201.3	1252.8	1265.6	1407.5	1596.7	1691.3	1844.7	2151.3	2381.3	2416.8
137.5°	1203.2	1254.1	1305.1	1317.8	1441.5	1606.5	1689.0	1818.6	2078.0	2272.5	2301.5
140°	1247.5	1294.4	1341.3	1353.0	1462.3	1608.1	1681.0	1793.0	2017.0	2185.0	2212.1
142.5°	1281.5	1324.9	1368.3	1379.1	1479.7	1613.9	1681.0	1779.4	1976.2	2123.7	2147.0
145°	1333.7	1371.6	1409.4	1418.9	1502.4	1614.0	1669.7	1750.1	1911.1	2031.8	2049.4
147.5°	1385.9	1422.8	1459.6	1468.8	1535.7	1625.1	1669.7	1733.0	1859.7	1954.6	1969.3
150°	1419.9	1453.2	1486.5	1494.9	1553.2	1630.9	1669.7	1723.2	1830.1	1910.3	1922.2
152.5°	1455.1	1480.3	1505.6	1511.9	1564.5	1634.6	1669.7	1715.4	1806.6	1875.1	1884.0
155°	1507.4	1526.0	1544.7	1549.4	1589.5	1643.0	1669.7	1706.0	1778.6	1833.1	1839.0
157.5°	1545.9	1564.1	1582.3	1586.9	1614.5	1651.4	1669.7	1697.9	1754.4	1796.8	1801.0
160°	1572.0	1586.2	1600.3	1603.9	1625.8	1655.1	1669.7	1693.9	1742.3	1778.6	1781.0
162.5°	1598.1	1608.7	1619.3	1622.0	1637.9	1659.1	1669.7	1690.1	1730.9	1761.6	1763.9
165°	1626.5	1636.1	1645.7	1648.1	1655.3	1664.9	1669.7	1684.4	1713.6	1735.5	1737.9
167.5°	1652.6	1657.2	1661.7	1662.9	1668.9	1677.0	1681.0	1690.7	1709.8	1724.2	1725.2
170°	1669.7	1674.3	1678.8	1679.9	1680.3	1680.7	1681.0	1690.7	1709.8	1724.2	1724.2
172.5°	1678.7	1679.7	1680.7	1681.0	1681.0	1681.0	1681.0	1688.6	1703.8	1715.1	1714.2
175°	1691.3	1691.3	1691.3	1691.3	1687.8	1683.3	1681.0	1685.8	1695.4	1702.6	1702.6
177.5°	1691.3	1691.3	1691.3	1691.3	1688.7	1685.1	1683.3	1687.1	1694.7	1700.3	1699.3
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1983.9	1978.4	1983.9	1980.2	1982.0	1976.6	1960.1	1954.6	1960.1	1965.5	1965.5
5°	2007.7	2004.0	2007.7	2007.7	2005.8	2002.2	1983.9	1980.2	1983.9	1985.7	1982.0
7.5°	2015.0	2009.5	2015.0	2011.3	2011.3	2007.7	1989.4	1985.7	1987.6	1993.0	1987.6
10°	2015.0	2009.5	2015.0	2013.2	2011.3	2007.7	1989.4	1982.0	1982.0	1987.6	1982.0
12.5°	2005.8	2002.2	2005.8	2002.2	2002.2	1998.6	1980.2	1972.9	1974.7	1976.6	1969.3
15°	1991.2	1985.7	1991.2	1987.6	1989.4	1983.9	1963.7	1956.4	1956.4	1960.1	1947.3
17.5°	1969.3	1961.9	1969.3	1967.5	1965.5	1961.9	1943.6	1936.3	1934.4	1936.3	1927.2
20°	1943.6	1938.2	1943.6	1941.8	1941.8	1934.4	1916.2	1907.1	1907.1	1907.1	1897.9
22.5°	1903.3	1897.9	1903.3	1907.1	1907.1	1905.1	1888.7	1875.9	1872.2	1872.2	1861.3
25°	1857.6	1852.1	1857.6	1857.6	1855.8	1857.6	1852.1	1844.8	1839.3	1833.8	1822.8
27.5°	1813.6	1810.0	1813.6	1810.0	1813.6	1808.2	1806.4	1804.5	1797.2	1791.7	1777.1
30°	1769.8	1766.1	1769.8	1766.1	1762.4	1758.8	1749.6	1746.0	1753.3	1749.6	1725.9
32.5°	1714.8	1711.2	1714.8	1714.8	1711.2	1711.2	1696.6	1691.0	1692.9	1703.8	1681.9
35°	1658.1	1652.6	1658.1	1656.3	1658.1	1652.6	1643.4	1641.6	1634.3	1647.2	1630.7
37.5°	1592.2	1586.8	1592.2	1592.2	1592.2	1595.9	1588.6	1583.0	1572.1	1588.6	1575.8
40°	1524.6	1517.2	1524.6	1522.6	1524.6	1528.2	1524.6	1520.8	1509.9	1522.6	1511.7
42.5°	1447.7	1445.8	1447.7	1449.5	1449.5	1456.8	1462.3	1455.0	1451.3	1442.1	1449.5
45°	1365.3	1361.6	1365.3	1368.9	1370.8	1374.5	1390.9	1390.9	1385.5	1370.8	1381.7
47.5°	1277.4	1268.3	1277.4	1288.4	1288.4	1294.0	1310.4	1323.2	1314.1	1295.8	1301.2
50°	1184.1	1185.9	1184.1	1191.4	1191.4	1211.5	1224.4	1237.2	1246.3	1224.4	1198.7
52.5°	1092.6	1090.7	1092.6	1098.1	1105.4	1114.6	1136.5	1149.3	1164.0	1151.1	1110.9
55°	1001.1	1004.8	1001.1	1003.0	1006.6	1012.1	1045.0	1057.8	1085.3	1068.8	1026.7
57.5°	909.5	904.1	909.5	913.3	915.1	920.6	948.0	971.8	988.3	990.1	938.8
60°	803.4	796.1	803.4	819.9	823.6	827.2	852.9	874.8	889.4	894.9	841.9
62.5°	710.1	697.3	710.1	721.1	728.4	737.5	755.8	788.8	801.6	803.4	728.4
65°	611.3	605.8	611.3	633.2	635.0	646.0	666.2	690.0	717.4	713.8	605.8
67.5°	521.6	521.6	521.6	536.2	547.2	552.7	578.3	589.4	624.1	627.7	505.1
70°	439.3	437.4	439.3	450.2	457.5	470.4	494.1	506.9	534.4	543.6	410.0
72.5°	360.6	358.7	360.6	369.7	377.0	388.0	408.2	422.8	446.5	457.5	318.5
75°	291.0	287.4	291.0	298.3	296.5	311.1	327.6	342.2	364.2	371.5	236.1
77.5°	223.3	223.3	223.3	230.6	230.6	245.2	252.6	270.9	283.7	294.6	173.8
80°	166.6	164.7	166.6	168.4	168.4	175.7	188.5	201.3	212.3	212.3	119.0
82.5°	117.2	113.4	117.2	117.2	117.2	120.8	128.1	131.8	139.1	144.5	75.0
85°	73.2	73.2	73.2	75.0	73.2	76.9	78.7	82.3	82.3	78.7	45.8
87.5°	47.6	45.8	47.6	45.8	45.8	43.9	43.9	43.9	42.1	40.3	25.7
90°	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1	49.9	31.7
92.5°	172.7	138.4	172.7	207.1	215.7	305.7	425.8	485.8	426.5	308.0	219.0
95°	602.2	498.3	602.2	706.1	732.1	961.4	1267.1	1419.9	1199.3	757.8	426.8
97.5°	1443.0	1245.2	1443.0	1640.7	1690.1	1835.0	2028.2	2124.8	1756.8	1020.8	468.8
100°	2079.0	1843.4	2079.0	2314.6	2373.4	2362.9	2348.8	2341.7	1933.3	1116.5	503.9
102.5°	2704.6	2502.9	2704.6	2906.4	2956.9	2772.2	2526.1	2403.0	1988.8	1160.4	539.1
105°	3502.3	3393.9	3502.3	3610.8	3637.9	3224.0	2672.1	2396.2	1995.1	1193.0	591.4
107.5°	4024.9	4051.1	4024.9	3998.6	3992.0	3414.7	2644.9	2259.9	1906.2	1199.0	668.6
110°	4224.1	4337.1	4224.1	4111.1	4082.8	3437.3	2576.7	2146.4	1827.6	1189.9	711.7





TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4241.9	4415.5	4241.9	4068.4	4025.0	3364.4	2483.6	2043.1	1758.9	1190.4	763.9
115°	4129.4	4370.0	4129.4	3888.7	3828.6	3192.2	2343.7	1919.4	1680.0	1201.3	842.2
117.5°	3890.9	4157.8	3890.9	3624.0	3557.3	2983.0	2217.1	1834.3	1630.7	1223.6	918.3
120°	3698.7	3958.0	3698.7	3439.4	3374.6	2849.8	2150.1	1800.3	1614.2	1241.8	962.6
122.5°	3511.5	3767.3	3511.5	3255.8	3191.8	2719.3	2089.2	1774.2	1605.4	1267.9	1014.8
125°	3244.5	3480.1	3244.5	3008.9	2950.0	2548.6	2013.4	1745.8	1598.2	1303.1	1081.7
127.5°	3004.4	3203.2	3004.4	2805.6	2755.9	2411.3	1951.7	1721.9	1594.0	1338.3	1146.4
130°	2862.9	3046.6	2862.9	2679.3	2633.4	2326.6	1917.4	1712.8	1596.6	1364.0	1189.5
132.5°	2734.6	2899.0	2734.6	2570.1	2529.0	2254.3	1888.0	1704.8	1598.1	1384.7	1224.7
135°	2558.5	2700.3	2558.5	2416.8	2381.3	2151.3	1844.7	1691.3	1596.7	1407.5	1265.6
137.5°	2417.5	2533.5	2417.5	2301.5	2272.5	2078.0	1818.6	1689.0	1606.5	1441.5	1317.8
140°	2320.7	2429.1	2320.7	2212.1	2185.0	2017.0	1793.0	1681.0	1608.1	1462.3	1353.0
142.5°	2240.3	2333.7	2240.3	2147.0	2123.7	1976.2	1779.4	1681.0	1613.9	1479.7	1379.1
145°	2120.1	2190.7	2120.1	2049.4	2031.8	1911.1	1750.1	1669.7	1614.0	1502.4	1418.9
147.5°	2027.8	2086.3	2027.8	1969.3	1954.6	1859.7	1733.0	1669.7	1625.1	1535.7	1468.8
150°	1969.6	2017.0	1969.6	1922.2	1910.3	1830.1	1723.2	1669.7	1630.9	1553.2	1494.9
152.5°	1919.9	1955.7	1919.9	1884.0	1875.1	1806.6	1715.4	1669.7	1634.6	1564.5	1511.9
155°	1862.8	1886.5	1862.8	1839.0	1833.1	1778.6	1706.0	1669.7	1643.0	1589.5	1549.4
157.5°	1817.6	1834.3	1817.6	1801.0	1796.8	1754.4	1697.9	1669.7	1651.4	1614.5	1586.9
160°	1790.6	1800.3	1790.6	1781.0	1778.6	1742.3	1693.9	1669.7	1655.1	1625.8	1603.9
162.5°	1773.0	1782.1	1773.0	1763.9	1761.6	1730.9	1690.1	1669.7	1659.1	1637.9	1622.0
165°	1747.5	1757.1	1747.5	1737.9	1735.5	1713.6	1684.4	1669.7	1664.9	1655.3	1648.1
167.5°	1729.2	1733.2	1729.2	1725.2	1724.2	1709.8	1690.7	1681.0	1677.0	1668.9	1662.9
170°	1724.2	1724.2	1724.2	1724.2	1724.2	1709.8	1690.7	1681.0	1680.7	1680.3	1679.9
172.5°	1710.7	1707.1	1710.7	1714.2	1715.1	1703.8	1688.6	1681.0	1681.0	1681.0	1681.0
175°	1702.6	1702.6	1702.6	1702.6	1702.6	1695.4	1685.8	1681.0	1683.3	1687.8	1691.3
177.5°	1695.3	1691.3	1695.3	1699.3	1700.3	1694.7	1687.1	1683.3	1685.1	1688.7	1691.3
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1961.9	1950.9	1950.9	1932.6	1925.3	1919.8	1910.7	1883.2	1875.9	1868.6	1879.6
5°	1978.4	1958.3	1943.6	1910.7	1883.2	1872.2	1837.5	1771.6	1727.7	1694.7	1676.5
7.5°	1982.0	1956.4	1929.0	1877.8	1811.8	1782.5	1676.5	1555.7	1522.6	1493.4	1475.1
10°	1978.4	1949.1	1910.7	1833.8	1678.3	1627.0	1520.8	1442.1	1422.0	1416.6	1422.0
12.5°	1965.5	1938.2	1885.0	1757.0	1539.2	1504.4	1442.1	1396.4	1392.7	1401.9	1451.3
15°	1943.6	1918.0	1855.8	1654.4	1462.3	1436.7	1392.7	1376.3	1396.4	1460.4	1608.7
17.5°	1921.7	1892.4	1815.5	1553.8	1403.8	1385.5	1354.3	1387.3	1500.7	1586.8	1636.2
20°	1892.4	1857.6	1769.8	1480.6	1361.6	1345.2	1330.5	1478.8	1564.8	1595.9	1623.3
22.5°	1857.6	1821.0	1707.6	1429.3	1317.7	1304.9	1314.1	1530.0	1564.8	1586.8	1610.5
25°	1811.8	1780.7	1634.3	1389.1	1283.0	1268.3	1303.1	1524.6	1544.7	1550.1	1597.7
27.5°	1769.8	1729.5	1557.5	1352.4	1240.8	1235.4	1312.2	1500.7	1515.4	1520.8	1572.1
30°	1718.5	1658.1	1471.4	1314.1	1196.9	1195.1	1314.1	1471.4	1467.8	1482.4	1533.6
32.5°	1665.5	1551.9	1374.5	1266.5	1154.8	1153.0	1301.2	1427.5	1423.9	1444.0	1482.4
35°	1616.1	1469.6	1242.7	1211.5	1101.8	1103.6	1270.1	1376.3	1378.1	1396.4	1420.2
37.5°	1564.8	1398.2	1098.1	1151.1	1050.5	1050.5	1228.0	1328.7	1325.1	1330.5	1363.5
40°	1504.4	1286.6	969.9	1072.5	1003.0	997.4	1176.8	1277.4	1264.7	1262.8	1308.5
42.5°	1440.3	1164.0	874.8	968.1	948.0	940.7	1114.6	1215.2	1191.4	1196.9	1255.5
45°	1370.8	1131.0	801.6	818.0	891.3	885.8	1046.8	1143.9	1127.4	1142.0	1202.4
47.5°	1301.2	1065.2	777.8	679.0	830.9	829.0	971.8	1074.3	1065.2	1079.8	1143.9
50°	1206.1	992.0	776.0	582.0	763.2	770.5	882.2	1006.6	1006.6	1019.4	1087.1
52.5°	1083.5	902.3	704.6	527.0	684.5	706.4	803.4	948.0	951.7	964.5	1024.9
55°	971.8	808.9	653.4	485.0	591.2	638.7	726.5	887.6	894.9	907.7	962.7
57.5°	869.3	673.5	642.4	435.5	505.1	550.9	658.9	829.0	832.7	843.7	896.8
60°	759.5	486.8	589.4	382.5	430.1	464.8	596.6	759.5	772.3	779.6	825.4
62.5°	635.0	353.2	534.4	345.9	393.5	400.8	545.4	693.6	710.1	715.6	743.1
65°	452.1	296.5	453.9	314.8	355.0	356.9	490.5	625.9	640.6	649.7	669.9
67.5°	305.6	241.6	345.9	285.5	325.7	327.6	437.4	547.2	567.3	574.7	587.4
70°	212.3	161.1	256.2	254.4	292.8	296.5	380.7	475.8	494.1	499.7	506.9
72.5°	155.5	129.9	212.3	228.8	258.1	261.7	322.1	395.3	413.6	419.1	422.8
75°	119.0	137.3	172.0	199.5	219.6	221.4	263.5	322.1	334.9	338.6	340.4
77.5°	95.1	128.1	126.3	161.1	179.4	175.7	206.9	248.9	259.9	259.9	259.9
80°	71.4	100.7	95.1	115.3	131.8	128.1	148.3	177.6	181.2	184.8	183.0
82.5°	53.0	64.0	64.0	73.2	87.9	84.2	98.8	115.3	115.3	115.3	119.0
85°	32.9	36.6	29.3	38.5	49.4	47.6	54.9	62.2	64.0	64.0	60.4
87.5°	20.1	16.5	9.2	14.6	21.9	21.9	25.7	27.5	25.7	25.7	25.7
90°	29.5	20.5	11.4	20.5	29.5	31.7	49.9	74.1	86.2	76.7	57.5
92.5°	199.8	122.5	45.4	122.5	199.8	219.0	308.0	426.5	485.8	425.8	305.7
95°	391.5	250.2	109.0	250.2	391.5	426.8	757.8	1199.3	1419.9	1267.1	961.4
97.5°	437.6	313.0	188.4	313.0	437.6	468.8	1020.8	1756.8	2124.8	2028.2	1835.0
100°	475.6	362.7	249.7	362.7	475.6	503.9	1116.5	1933.3	2341.7	2348.8	2362.9
102.5°	512.8	407.3	301.9	407.3	512.8	539.1	1160.4	1988.8	2403.0	2526.1	2772.2
105°	569.1	479.7	390.5	479.7	569.1	591.4	1193.0	1995.1	2396.2	2672.1	3224.0
107.5°	647.8	564.5	481.3	564.5	647.8	668.6	1199.0	1906.2	2259.9	2644.9	3414.7
110°	692.9	617.7	542.6	617.7	692.9	711.7	1189.9	1827.6	2146.4	2576.7	3437.3



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	746.0	674.4	602.7	674.4	746.0	763.9	1190.4	1758.9	2043.1	2483.6	3364.4
115°	825.7	759.6	693.5	759.6	825.7	842.2	1201.3	1680.0	1919.4	2343.7	3192.2
117.5°	903.3	843.2	783.2	843.2	903.3	918.3	1223.6	1630.7	1834.3	2217.1	2983.0
120°	948.5	891.9	835.4	891.9	948.5	962.6	1241.8	1614.2	1800.3	2150.1	2849.8
122.5°	1000.5	943.6	886.5	943.6	1000.5	1014.8	1267.9	1605.4	1774.2	2089.2	2719.3
125°	1068.7	1016.8	964.9	1016.8	1068.7	1081.7	1303.1	1598.2	1745.8	2013.4	2548.6
127.5°	1133.3	1080.8	1028.3	1080.8	1133.3	1146.4	1338.3	1594.0	1721.9	1951.7	2411.3
130°	1175.4	1118.9	1062.5	1118.9	1175.4	1189.5	1364.0	1596.6	1712.8	1917.4	2326.6
132.5°	1210.6	1154.1	1097.7	1154.1	1210.6	1224.7	1384.7	1598.1	1704.8	1888.0	2254.3
135°	1252.8	1201.3	1149.9	1201.3	1252.8	1265.6	1407.5	1596.7	1691.3	1844.7	2151.3
137.5°	1305.1	1254.1	1203.2	1254.1	1305.1	1317.8	1441.5	1606.5	1689.0	1818.6	2078.0
140°	1341.3	1294.4	1247.5	1294.4	1341.3	1353.0	1462.3	1608.1	1681.0	1793.0	2017.0
142.5°	1368.3	1324.9	1281.5	1324.9	1368.3	1379.1	1479.7	1613.9	1681.0	1779.4	1976.2
145°	1409.4	1371.6	1333.7	1371.6	1409.4	1418.9	1502.4	1614.0	1669.7	1750.1	1911.1
147.5°	1459.6	1422.8	1385.9	1422.8	1459.6	1468.8	1535.7	1625.1	1669.7	1733.0	1859.7
150°	1486.5	1453.2	1419.9	1453.2	1486.5	1494.9	1553.2	1630.9	1669.7	1723.2	1830.1
152.5°	1505.6	1480.3	1455.1	1480.3	1505.6	1511.9	1564.5	1634.6	1669.7	1715.4	1806.6
155°	1544.7	1526.0	1507.4	1526.0	1544.7	1549.4	1589.5	1643.0	1669.7	1706.0	1778.6
157.5°	1582.3	1564.1	1545.9	1564.1	1582.3	1586.9	1614.5	1651.4	1669.7	1697.9	1754.4
160°	1600.3	1586.2	1572.0	1586.2	1600.3	1603.9	1625.8	1655.1	1669.7	1693.9	1742.3
162.5°	1619.3	1608.7	1598.1	1608.7	1619.3	1622.0	1637.9	1659.1	1669.7	1690.1	1730.9
165°	1645.7	1636.1	1626.5	1636.1	1645.7	1648.1	1655.3	1664.9	1669.7	1684.4	1713.6
167.5°	1661.7	1657.2	1652.6	1657.2	1661.7	1662.9	1668.9	1677.0	1681.0	1690.7	1709.8
170°	1678.8	1674.3	1669.7	1674.3	1678.8	1679.9	1680.3	1680.7	1681.0	1690.7	1709.8
172.5°	1680.7	1679.7	1678.7	1679.7	1680.7	1681.0	1681.0	1681.0	1681.0	1688.6	1703.8
175°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1687.8	1683.3	1681.0	1685.8	1695.4
177.5°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1688.7	1685.1	1683.3	1687.1	1694.7
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1866.8	1861.3	1868.6	1848.5	1868.6	1861.3	1866.8	1879.6	1868.6	1875.9	1883.2
5°	1638.0	1628.8	1599.6	1575.8	1599.6	1628.8	1638.0	1676.5	1694.7	1727.7	1771.6
7.5°	1464.2	1456.8	1449.5	1434.9	1449.5	1456.8	1464.2	1475.1	1493.4	1522.6	1555.7
10°	1425.7	1427.5	1438.5	1436.7	1438.5	1427.5	1425.7	1422.0	1416.6	1422.0	1442.1
12.5°	1524.6	1541.0	1601.4	1597.7	1601.4	1541.0	1524.6	1451.3	1401.9	1392.7	1396.4
15°	1638.0	1643.4	1656.3	1658.1	1656.3	1643.4	1638.0	1608.7	1460.4	1396.4	1376.3
17.5°	1649.0	1650.8	1659.9	1659.9	1659.9	1650.8	1649.0	1636.2	1586.8	1500.7	1387.3
20°	1639.8	1643.4	1661.8	1665.5	1661.8	1643.4	1639.8	1623.3	1595.9	1564.8	1478.8
22.5°	1636.2	1643.4	1658.1	1656.3	1658.1	1643.4	1636.2	1610.5	1586.8	1564.8	1530.0
25°	1617.9	1617.9	1619.7	1621.5	1619.7	1617.9	1617.9	1597.7	1550.1	1544.7	1524.6
27.5°	1579.4	1583.0	1594.0	1592.2	1594.0	1583.0	1579.4	1572.1	1520.8	1515.4	1500.7
30°	1544.7	1541.0	1531.8	1524.6	1531.8	1541.0	1544.7	1533.6	1482.4	1467.8	1471.4
32.5°	1486.1	1476.9	1467.8	1462.3	1467.8	1476.9	1486.1	1482.4	1444.0	1423.9	1427.5
35°	1416.6	1418.4	1416.6	1411.0	1416.6	1418.4	1416.6	1420.2	1396.4	1378.1	1376.3
37.5°	1367.1	1370.8	1368.9	1361.6	1368.9	1370.8	1367.1	1363.5	1330.5	1325.1	1328.7
40°	1315.9	1317.7	1315.9	1310.4	1315.9	1317.7	1315.9	1308.5	1262.8	1264.7	1277.4
42.5°	1266.5	1264.7	1259.1	1255.5	1259.1	1264.7	1266.5	1255.5	1196.9	1191.4	1215.2
45°	1209.7	1211.5	1200.5	1195.1	1200.5	1211.5	1209.7	1202.4	1142.0	1127.4	1143.9
47.5°	1153.0	1153.0	1143.9	1138.3	1143.9	1153.0	1153.0	1143.9	1079.8	1065.2	1074.3
50°	1092.6	1090.7	1077.9	1076.1	1077.9	1090.7	1092.6	1087.1	1019.4	1006.6	1006.6
52.5°	1023.1	1023.1	1024.9	1028.5	1024.9	1023.1	1023.1	1024.9	964.5	951.7	948.0
55°	962.7	964.5	977.3	981.0	977.3	964.5	962.7	962.7	907.7	894.9	887.6
57.5°	900.4	900.4	909.5	909.5	909.5	900.4	900.4	896.8	843.7	832.7	829.0
60°	829.0	832.7	840.0	838.2	840.0	832.7	829.0	825.4	779.6	772.3	759.5
62.5°	754.0	757.7	759.5	755.8	759.5	757.7	754.0	743.1	715.6	710.1	693.6
65°	675.3	679.0	680.8	677.1	680.8	679.0	675.3	669.9	649.7	640.6	625.9
67.5°	594.8	593.0	591.2	598.5	591.2	593.0	594.8	587.4	574.7	567.3	547.2
70°	512.4	512.4	510.6	514.3	510.6	512.4	512.4	506.9	499.7	494.1	475.8
72.5°	424.6	422.8	430.1	424.6	430.1	422.8	424.6	422.8	419.1	413.6	395.3
75°	338.6	342.2	338.6	344.0	338.6	342.2	338.6	340.4	338.6	334.9	322.1
77.5°	258.1	261.7	258.1	258.1	258.1	261.7	258.1	259.9	259.9	259.9	248.9
80°	183.0	181.2	181.2	179.4	181.2	181.2	183.0	183.0	184.8	181.2	177.6
82.5°	117.2	115.3	115.3	119.0	115.3	115.3	117.2	119.0	115.3	115.3	115.3
85°	64.0	65.9	62.2	62.2	62.2	65.9	64.0	60.4	64.0	64.0	62.2
87.5°	23.8	21.9	21.9	21.9	21.9	21.9	23.8	25.7	25.7	25.7	27.5
90°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	57.5	76.7	86.2	74.1
92.5°	215.7	207.1	172.7	138.4	172.7	207.1	215.7	305.7	425.8	485.8	426.5
95°	732.1	706.1	602.2	498.3	602.2	706.1	732.1	961.4	1267.1	1419.9	1199.3
97.5°	1690.1	1640.7	1443.0	1245.2	1443.0	1640.7	1690.1	1835.0	2028.2	2124.8	1756.8
100°	2373.4	2314.6	2079.0	1843.4	2079.0	2314.6	2373.4	2362.9	2348.8	2341.7	1933.3
102.5°	2956.9	2906.4	2704.6	2502.9	2704.6	2906.4	2956.9	2772.2	2526.1	2403.0	1988.8
105°	3637.9	3610.8	3502.3	3393.9	3502.3	3610.8	3637.9	3224.0	2672.1	2396.2	1995.1
107.5°	3992.0	3998.6	4024.9	4051.1	4024.9	3998.6	3992.0	3414.7	2644.9	2259.9	1906.2
110°	4082.8	4111.1	4224.1	4337.1	4224.1	4111.1	4082.8	3437.3	2576.7	2146.4	1827.6



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4025.0	4068.4	4241.9	4415.5	4241.9	4068.4	4025.0	3364.4	2483.6	2043.1	1758.9
115°	3828.6	3888.7	4129.4	4370.0	4129.4	3888.7	3828.6	3192.2	2343.7	1919.4	1680.0
117.5°	3557.3	3624.0	3890.9	4157.8	3890.9	3624.0	3557.3	2983.0	2217.1	1834.3	1630.7
120°	3374.6	3439.4	3698.7	3958.0	3698.7	3439.4	3374.6	2849.8	2150.1	1800.3	1614.2
122.5°	3191.8	3255.8	3511.5	3767.3	3511.5	3255.8	3191.8	2719.3	2089.2	1774.2	1605.4
125°	2950.0	3008.9	3244.5	3480.1	3244.5	3008.9	2950.0	2548.6	2013.4	1745.8	1598.2
127.5°	2755.9	2805.6	3004.4	3203.2	3004.4	2805.6	2755.9	2411.3	1951.7	1721.9	1594.0
130°	2633.4	2679.3	2862.9	3046.6	2862.9	2679.3	2633.4	2326.6	1917.4	1712.8	1596.6
132.5°	2529.0	2570.1	2734.6	2899.0	2734.6	2570.1	2529.0	2254.3	1888.0	1704.8	1598.1
135°	2381.3	2416.8	2558.5	2700.3	2558.5	2416.8	2381.3	2151.3	1844.7	1691.3	1596.7
137.5°	2272.5	2301.5	2417.5	2533.5	2417.5	2301.5	2272.5	2078.0	1818.6	1689.0	1606.5
140°	2185.0	2212.1	2320.7	2429.1	2320.7	2212.1	2185.0	2017.0	1793.0	1681.0	1608.1
142.5°	2123.7	2147.0	2240.3	2333.7	2240.3	2147.0	2123.7	1976.2	1779.4	1681.0	1613.9
145°	2031.8	2049.4	2120.1	2190.7	2120.1	2049.4	2031.8	1911.1	1750.1	1669.7	1614.0
147.5°	1954.6	1969.3	2027.8	2086.3	2027.8	1969.3	1954.6	1859.7	1733.0	1669.7	1625.1
150°	1910.3	1922.2	1969.6	2017.0	1969.6	1922.2	1910.3	1830.1	1723.2	1669.7	1630.9
152.5°	1875.1	1884.0	1919.9	1955.7	1919.9	1884.0	1875.1	1806.6	1715.4	1669.7	1634.6
155°	1833.1	1839.0	1862.8	1886.5	1862.8	1839.0	1833.1	1778.6	1706.0	1669.7	1643.0
157.5°	1796.8	1801.0	1817.6	1834.3	1817.6	1801.0	1796.8	1754.4	1697.9	1669.7	1651.4
160°	1778.6	1781.0	1790.6	1800.3	1790.6	1781.0	1778.6	1742.3	1693.9	1669.7	1655.1
162.5°	1761.6	1763.9	1773.0	1782.1	1773.0	1763.9	1761.6	1730.9	1690.1	1669.7	1659.1
165°	1735.5	1737.9	1747.5	1757.1	1747.5	1737.9	1735.5	1713.6	1684.4	1669.7	1664.9
167.5°	1724.2	1725.2	1729.2	1733.2	1729.2	1725.2	1724.2	1709.8	1690.7	1681.0	1677.0
170°	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1709.8	1690.7	1681.0	1680.7
172.5°	1715.1	1714.2	1710.7	1707.1	1710.7	1714.2	1715.1	1703.8	1688.6	1681.0	1681.0
175°	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6	1695.4	1685.8	1681.0	1683.3
177.5°	1700.3	1699.3	1695.3	1691.3	1695.3	1699.3	1700.3	1694.7	1687.1	1683.3	1685.1
180°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1910.7	1919.8	1925.3	1932.6	1950.9
5°	1837.5	1872.2	1883.2	1910.7	1943.6
7.5°	1676.5	1782.5	1811.8	1877.8	1929.0
10°	1520.8	1627.0	1678.3	1833.8	1910.7
12.5°	1442.1	1504.4	1539.2	1757.0	1885.0
15°	1392.7	1436.7	1462.3	1654.4	1855.8
17.5°	1354.3	1385.5	1403.8	1553.8	1815.5
20°	1330.5	1345.2	1361.6	1480.6	1769.8
22.5°	1314.1	1304.9	1317.7	1429.3	1707.6
25°	1303.1	1268.3	1283.0	1389.1	1634.3
27.5°	1312.2	1235.4	1240.8	1352.4	1557.5
30°	1314.1	1195.1	1196.9	1314.1	1471.4
32.5°	1301.2	1153.0	1154.8	1266.5	1374.5
35°	1270.1	1103.6	1101.8	1211.5	1242.7
37.5°	1228.0	1050.5	1050.5	1151.1	1098.1
40°	1176.8	997.4	1003.0	1072.5	969.9
42.5°	1114.6	940.7	948.0	968.1	874.8
45°	1046.8	885.8	891.3	818.0	801.6
47.5°	971.8	829.0	830.9	679.0	777.8
50°	882.2	770.5	763.2	582.0	776.0
52.5°	803.4	706.4	684.5	527.0	704.6
55°	726.5	638.7	591.2	485.0	653.4
57.5°	658.9	550.9	505.1	435.5	642.4
60°	596.6	464.8	430.1	382.5	589.4
62.5°	545.4	400.8	393.5	345.9	534.4
65°	490.5	356.9	355.0	314.8	453.9
67.5°	437.4	327.6	325.7	285.5	345.9
70°	380.7	296.5	292.8	254.4	256.2
72.5°	322.1	261.7	258.1	228.8	212.3
75°	263.5	221.4	219.6	199.5	172.0
77.5°	206.9	175.7	179.4	161.1	126.3
80°	148.3	128.1	131.8	115.3	95.1
82.5°	98.8	84.2	87.9	73.2	64.0
85°	54.9	47.6	49.4	38.5	29.3
87.5°	25.7	21.9	21.9	14.6	9.2
90°	49.9	31.7	29.5	20.5	11.4
92.5°	308.0	219.0	199.8	122.5	45.4
95°	757.8	426.8	391.5	250.2	109.0
97.5°	1020.8	468.8	437.6	313.0	188.4
100°	1116.5	503.9	475.6	362.7	249.7
102.5°	1160.4	539.1	512.8	407.3	301.9
105°	1193.0	591.4	569.1	479.7	390.5
107.5°	1199.0	668.6	647.8	564.5	481.3
110°	1189.9	711.7	692.9	617.7	542.6



TEST NUMBER: P935028

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1190.4	763.9	746.0	674.4	602.7
115°	1201.3	842.2	825.7	759.6	693.5
117.5°	1223.6	918.3	903.3	843.2	783.2
120°	1241.8	962.6	948.5	891.9	835.4
122.5°	1267.9	1014.8	1000.5	943.6	886.5
125°	1303.1	1081.7	1068.7	1016.8	964.9
127.5°	1338.3	1146.4	1133.3	1080.8	1028.3
130°	1364.0	1189.5	1175.4	1118.9	1062.5
132.5°	1384.7	1224.7	1210.6	1154.1	1097.7
135°	1407.5	1265.6	1252.8	1201.3	1149.9
137.5°	1441.5	1317.8	1305.1	1254.1	1203.2
140°	1462.3	1353.0	1341.3	1294.4	1247.5
142.5°	1479.7	1379.1	1368.3	1324.9	1281.5
145°	1502.4	1418.9	1409.4	1371.6	1333.7
147.5°	1535.7	1468.8	1459.6	1422.8	1385.9
150°	1553.2	1494.9	1486.5	1453.2	1419.9
152.5°	1564.5	1511.9	1505.6	1480.3	1455.1
155°	1589.5	1549.4	1544.7	1526.0	1507.4
157.5°	1614.5	1586.9	1582.3	1564.1	1545.9
160°	1625.8	1603.9	1600.3	1586.2	1572.0
162.5°	1637.9	1622.0	1619.3	1608.7	1598.1
165°	1655.3	1648.1	1645.7	1636.1	1626.5
167.5°	1668.9	1662.9	1661.7	1657.2	1652.6
170°	1680.3	1679.9	1678.8	1674.3	1669.7
172.5°	1681.0	1681.0	1680.7	1679.7	1678.7
175°	1687.8	1691.3	1691.3	1691.3	1691.3
177.5°	1688.7	1691.3	1691.3	1691.3	1691.3
180°	1691.3	1691.3	1691.3	1691.3	1691.3



TEST NUMBER: P935028  
 CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-4000K

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.00	9.72	10.11	10.82	12.33	11.86	12.57	12.96	13.67	15.18
	3H	9.47	10.11	10.58	11.22	12.75	13.20	13.84	14.31	14.94	16.47
	4H	9.65	10.26	10.77	11.37	12.91	13.64	14.25	14.76	15.35	16.89
	6H	9.76	10.32	10.89	11.43	12.98	13.92	14.48	15.05	15.59	17.14
	8H	9.76	10.29	10.89	11.42	12.96	13.99	14.53	15.13	15.65	17.19
	12H	9.73	10.23	10.86	11.35	12.92	14.03	14.54	15.17	15.66	17.22
4H	2H	10.02	10.63	11.15	11.74	13.28	12.25	12.85	13.37	13.96	15.50
	3H	11.04	11.54	12.17	12.68	14.23	13.74	14.25	14.88	15.38	16.93
	4H	11.31	11.77	12.44	12.90	14.46	14.27	14.74	15.41	15.86	17.43
	6H	11.42	11.82	12.57	12.97	14.53	14.63	15.03	15.78	16.18	17.74
	8H	11.43	11.80	12.57	12.94	14.51	14.74	15.11	15.88	16.25	17.83
	12H	11.38	11.72	12.55	12.87	14.45	14.79	15.13	15.95	16.28	17.86
8H	4H	11.75	12.12	12.89	13.26	14.84	14.38	14.75	15.53	15.89	17.47
	6H	12.01	12.31	13.17	13.49	15.07	14.82	15.13	15.98	16.31	17.88
	8H	12.05	12.32	13.22	13.48	15.07	14.97	15.24	16.14	16.40	17.99
	12H	12.03	12.26	13.20	13.42	15.05	15.07	15.30	16.24	16.46	18.09
12H	4H	11.75	12.09	12.91	13.24	14.82	14.34	14.68	15.50	15.83	17.41
	6H	12.07	12.34	13.24	13.50	15.09	14.81	15.08	15.98	16.24	17.84
	8H	12.13	12.36	13.30	13.52	15.15	14.97	15.21	16.15	16.36	17.99