

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: P935081

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935081
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-B2750-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

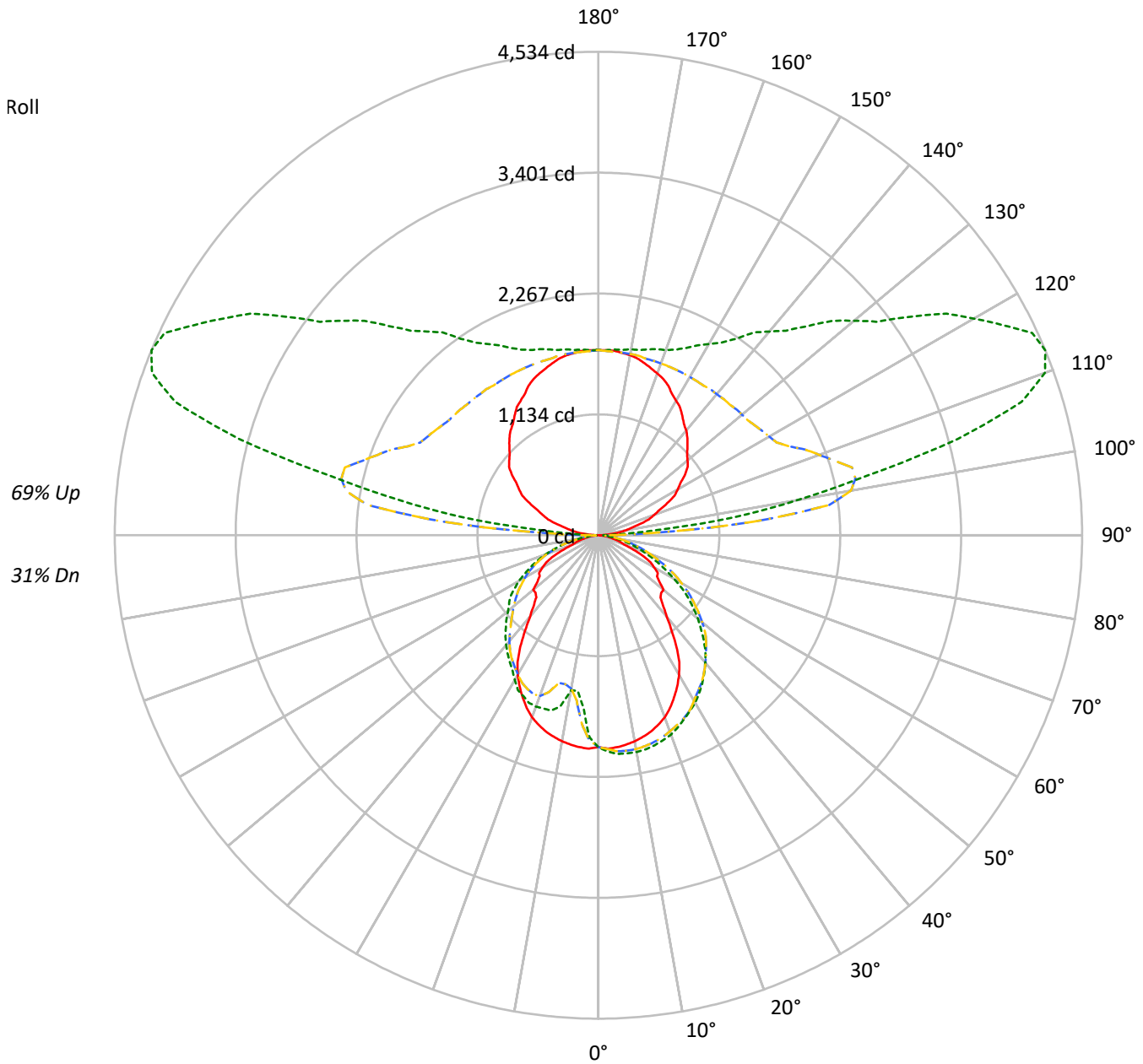
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16414.1 lumens
Efficiency: N/A
Efficacy: 132.8 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: P935081
CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

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°	6143	6143	6143	6143
5°	6192	6202	6192	4877
10°	6153	6109	6153	4368
15°	6088	5977	6088	4991
20°	5963	5820	5963	5001
25°	5705	5591	5705	4895
30°	5370	5401	5370	4663
35°	4790	5161	4790	4407
40°	3993	4878	3993	4214
45°	3570	4548	3570	3991
50°	3796	4153	3796	3768
55°	3575	3728	3575	3639
60°	3690	3166	3690	3333
65°	3351	2617	3351	2925
70°	2326	2086	2326	2452
75°	2047	1542	2047	1846
80°	1662	1019	1662	1110
85°	975	540	975	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5469 cd/sqm



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	1.1
10°-20°	509.1	3.1
20°-30°	786.9	4.8
30°-40°	939.4	5.7
40°-50°	944.9	5.8
50°-60°	822.2	5.0
60°-70°	583.0	3.6
70°-80°	308.4	1.9
80°-90°	83.4	0.5
90°-100°	846.5	5.2
100°-110°	2225.5	13.6
110°-120°	2307.6	14.1
120°-130°	1851.0	11.3
130°-140°	1452.3	8.8
140°-150°	1114.7	6.8
150°-160°	802.8	4.9
160°-170°	491.2	3.0
170°-180°	165.9	1.0
0°-30°	1475.3	9.0
0°-40°	2414.7	14.7
0°-60°	4181.9	25.5
0°-90°	5156.7	31.4
90°-120°	5379.5	32.8
90°-150°	9797.5	59.7
90°-180°	11257.0	68.6
0°-180°	16414.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1986	1986	1986	1986	1986	
5°	1996	2058	1996	1618	1996	189
15°	1906	2039	1906	1702	1906	536
25°	1678	1902	1678	1665	1678	771
35°	1276	1697	1276	1449	1276	789
45°	823	1398	823	1227	823	659
55°	671	1032	671	1007	671	616
65°	466	622	466	695	466	445
75°	177	295	177	353	177	186
85°	30	75	30	64	30	41
90°	12	44	12	44	12	11
95°	112	512	112	512	112	124
105°	401	3485	401	3485	401	425
115°	712	4487	712	4487	712	703
125°	991	3573	991	3573	991	880
135°	1181	2773	1181	2773	1181	913
145°	1369	2249	1369	2249	1369	858
155°	1548	1937	1548	1937	1548	711
165°	1670	1804	1670	1804	1670	471
175°	1737	1748	1737	1748	1737	165
180°	1737	1737	1737	1737	1737	



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2003.1	2003.1	2014.5	2018.2	2018.2	2012.6	2007.0	2012.6	2029.5	2035.1	2033.2
5°	1995.7	2010.7	2031.4	2035.1	2038.9	2037.1	2033.2	2037.1	2055.8	2059.6	2061.4
7.5°	1980.6	2008.8	2035.1	2040.8	2046.4	2040.8	2038.9	2042.7	2061.4	2065.2	2065.2
10°	1961.9	2001.3	2031.4	2035.1	2040.8	2035.1	2035.1	2042.7	2061.4	2065.2	2067.1
12.5°	1935.5	1990.1	2018.2	2022.0	2029.5	2027.6	2025.8	2033.2	2052.1	2055.8	2055.8
15°	1905.5	1969.3	1995.7	1999.4	2012.6	2008.8	2008.8	2016.3	2037.1	2042.7	2040.8
17.5°	1864.2	1943.1	1973.2	1978.8	1988.2	1986.2	1988.2	1995.7	2014.5	2018.2	2020.1
20°	1817.2	1907.3	1943.1	1948.7	1958.1	1958.1	1958.1	1967.5	1986.2	1993.8	1993.8
22.5°	1753.3	1869.8	1907.3	1911.2	1922.4	1922.4	1926.2	1939.3	1956.2	1958.1	1958.1
25°	1678.1	1828.4	1860.3	1871.6	1882.9	1888.5	1894.2	1901.7	1907.3	1905.5	1907.3
27.5°	1599.2	1775.8	1817.2	1824.7	1839.7	1845.3	1852.9	1854.7	1856.6	1862.2	1858.5
30°	1510.8	1702.5	1764.5	1772.1	1796.5	1800.3	1792.7	1796.5	1805.9	1809.6	1813.4
32.5°	1411.3	1593.5	1710.1	1727.0	1749.5	1738.3	1736.3	1742.0	1757.0	1757.0	1760.8
35°	1275.9	1509.0	1659.3	1674.4	1691.3	1678.1	1685.6	1687.5	1696.9	1702.5	1700.6
37.5°	1127.5	1435.7	1606.7	1618.0	1631.1	1614.2	1625.4	1631.1	1638.6	1634.9	1634.9
40°	995.9	1321.0	1544.6	1552.2	1563.4	1550.3	1561.6	1565.4	1569.1	1565.4	1563.4
42.5°	898.2	1195.1	1478.9	1488.3	1480.8	1490.2	1493.9	1501.5	1495.8	1488.3	1488.3
45°	823.0	1161.3	1407.5	1418.7	1407.5	1422.6	1428.2	1428.2	1411.3	1407.5	1405.6
47.5°	798.7	1093.7	1336.1	1336.1	1330.5	1349.3	1358.6	1345.5	1328.6	1322.9	1322.9
50°	796.8	1018.5	1238.4	1230.8	1257.2	1279.7	1270.3	1257.2	1244.0	1223.4	1223.4
52.5°	723.5	926.4	1112.5	1140.7	1182.0	1195.1	1180.1	1166.9	1144.4	1135.0	1127.5
55°	670.9	830.6	997.8	1054.2	1097.4	1114.4	1086.1	1073.0	1039.2	1033.6	1029.8
57.5°	659.6	691.5	892.6	964.0	1016.7	1014.8	997.8	973.4	945.2	939.6	937.7
60°	605.1	499.9	779.9	864.4	918.9	913.3	898.2	875.7	849.4	845.6	841.9
62.5°	548.7	362.7	652.0	747.9	824.9	823.0	810.0	776.1	757.3	747.9	740.4
65°	466.1	304.4	464.2	622.0	732.9	736.6	708.4	684.1	663.3	652.0	650.2
67.5°	355.2	248.1	313.8	518.7	644.6	640.8	605.1	593.8	567.5	561.9	550.6
70°	263.1	165.4	218.0	421.0	558.2	548.7	520.5	507.3	483.0	469.8	462.2
72.5°	218.0	133.4	159.7	327.0	469.8	458.5	434.1	419.1	398.4	387.1	379.6
75°	176.6	140.9	122.2	242.4	381.4	374.0	351.4	336.3	319.4	304.4	306.3
77.5°	129.6	131.5	97.7	178.5	302.5	291.3	278.1	259.4	251.8	236.8	236.8
80°	97.7	103.4	73.3	122.2	218.0	218.0	206.7	193.5	180.4	172.9	172.9
82.5°	65.8	65.8	54.5	77.1	148.4	142.8	135.3	131.5	124.0	120.3	120.3
85°	30.1	37.5	33.8	47.0	80.8	84.5	84.5	80.8	78.9	75.2	77.1
87.5°	9.4	16.9	20.6	26.3	41.4	43.2	45.1	45.1	45.1	47.0	47.0
90°	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0	44.3	44.3
92.5°	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9	221.5	212.7
95°	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1	751.7	725.0
97.5°	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2	1735.4	1684.7
100°	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2	2437.0	2376.6
102.5°	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5	3036.1	2984.2
105°	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4	3735.3	3707.5
107.5°	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1	4099.0	4105.7
110°	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4	4192.2	4221.2



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5	4132.8	4177.3
115°	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7	3931.1	3992.8
117.5°	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9	3652.6	3721.1
120°	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1	3465.0	3531.5
122.5°	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1	3277.3	3343.0
125°	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9	3029.1	3089.5
127.5°	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8	2829.7	2880.7
130°	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9	2703.9	2751.1
132.5°	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6	2596.7	2638.9
135°	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9	2445.1	2481.5
137.5°	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6	2333.3	2363.1
140°	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1	2243.6	2271.4
142.5°	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1	2180.6	2204.5
145°	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2	2086.2	2104.3
147.5°	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5	2007.0	2022.0
150°	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1	1961.5	1973.6
152.5°	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0	1925.3	1934.5
155°	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3	1882.2	1888.3
157.5°	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4	1844.9	1849.2
160°	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0	1826.3	1828.7
162.5°	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3	1808.8	1811.1
165°	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5	1782.0	1784.4
167.5°	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6	1770.4	1771.4
170°	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6	1770.4	1770.4
172.5°	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4	1761.1	1760.1
175°	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8	1748.2	1748.2
177.5°	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0	1745.8	1744.8
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2037.1	2031.4	2037.1	2033.2	2035.1	2029.5	2012.6	2007.0	2012.6	2018.2	2018.2
5°	2061.4	2057.7	2061.4	2061.4	2059.6	2055.8	2037.1	2033.2	2037.1	2038.9	2035.1
7.5°	2069.0	2063.3	2069.0	2065.2	2065.2	2061.4	2042.7	2038.9	2040.8	2046.4	2040.8
10°	2069.0	2063.3	2069.0	2067.1	2065.2	2061.4	2042.7	2035.1	2035.1	2040.8	2035.1
12.5°	2059.6	2055.8	2059.6	2055.8	2055.8	2052.1	2033.2	2025.8	2027.6	2029.5	2022.0
15°	2044.5	2038.9	2044.5	2040.8	2042.7	2037.1	2016.3	2008.8	2008.8	2012.6	1999.4
17.5°	2022.0	2014.5	2022.0	2020.1	2018.2	2014.5	1995.7	1988.2	1986.2	1988.2	1978.8
20°	1995.7	1990.1	1995.7	1993.8	1993.8	1986.2	1967.5	1958.1	1958.1	1958.1	1948.7
22.5°	1954.3	1948.7	1954.3	1958.1	1958.1	1956.2	1939.3	1926.2	1922.4	1922.4	1911.2
25°	1907.3	1901.7	1907.3	1907.3	1905.5	1907.3	1901.7	1894.2	1888.5	1882.9	1871.6
27.5°	1862.2	1858.5	1862.2	1858.5	1862.2	1856.6	1854.7	1852.9	1845.3	1839.7	1824.7
30°	1817.2	1813.4	1817.2	1813.4	1809.6	1805.9	1796.5	1792.7	1800.3	1796.5	1772.1
32.5°	1760.8	1757.0	1760.8	1760.8	1757.0	1757.0	1742.0	1736.3	1738.3	1749.5	1727.0
35°	1702.5	1696.9	1702.5	1700.6	1702.5	1696.9	1687.5	1685.6	1678.1	1691.3	1674.4
37.5°	1634.9	1629.3	1634.9	1634.9	1634.9	1638.6	1631.1	1625.4	1614.2	1631.1	1618.0
40°	1565.4	1557.8	1565.4	1563.4	1565.4	1569.1	1565.4	1561.6	1550.3	1563.4	1552.2
42.5°	1486.5	1484.5	1486.5	1488.3	1488.3	1495.8	1501.5	1493.9	1490.2	1480.8	1488.3
45°	1401.8	1398.1	1401.8	1405.6	1407.5	1411.3	1428.2	1428.2	1422.6	1407.5	1418.7
47.5°	1311.6	1302.3	1311.6	1322.9	1322.9	1328.6	1345.5	1358.6	1349.3	1330.5	1336.1
50°	1215.8	1217.7	1215.8	1223.4	1223.4	1244.0	1257.2	1270.3	1279.7	1257.2	1230.8
52.5°	1121.8	1120.0	1121.8	1127.5	1135.0	1144.4	1166.9	1180.1	1195.1	1182.0	1140.7
55°	1027.9	1031.7	1027.9	1029.8	1033.6	1039.2	1073.0	1086.1	1114.4	1097.4	1054.2
57.5°	933.9	928.3	933.9	937.7	939.6	945.2	973.4	997.8	1014.8	1016.7	964.0
60°	824.9	817.4	824.9	841.9	845.6	849.4	875.7	898.2	913.3	918.9	864.4
62.5°	729.1	716.0	729.1	740.4	747.9	757.3	776.1	810.0	823.0	824.9	747.9
65°	627.6	622.0	627.6	650.2	652.0	663.3	684.1	708.4	736.6	732.9	622.0
67.5°	535.6	535.6	535.6	550.6	561.9	567.5	593.8	605.1	640.8	644.6	518.7
70°	451.0	449.2	451.0	462.2	469.8	483.0	507.3	520.5	548.7	558.2	421.0
72.5°	370.2	368.3	370.2	379.6	387.1	398.4	419.1	434.1	458.5	469.8	327.0
75°	298.8	295.1	298.8	306.3	304.4	319.4	336.3	351.4	374.0	381.4	242.4
77.5°	229.3	229.3	229.3	236.8	236.8	251.8	259.4	278.1	291.3	302.5	178.5
80°	171.0	169.1	171.0	172.9	172.9	180.4	193.5	206.7	218.0	218.0	122.2
82.5°	120.3	116.5	120.3	120.3	120.3	124.0	131.5	135.3	142.8	148.4	77.1
85°	75.2	75.2	75.2	77.1	75.2	78.9	80.8	84.5	84.5	80.8	47.0
87.5°	48.8	47.0	48.8	47.0	47.0	45.1	45.1	45.1	43.2	41.4	26.3
90°	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1	51.3	32.6
92.5°	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0	316.3	224.9
95°	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4	778.1	438.2
97.5°	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8	1048.1	481.4
100°	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0	1146.4	517.4
102.5°	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1	1191.5	553.6
105°	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5	1224.9	607.2
107.5°	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3	1231.1	686.5
110°	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5	1221.8	730.8



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0	1222.2	784.4
115°	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0	1233.4	864.8
117.5°	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4	1256.4	942.9
120°	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4	1275.1	988.4
122.5°	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4	1301.9	1042.0
125°	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0	1338.0	1110.7
127.5°	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7	1374.1	1177.1
130°	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4	1400.5	1221.4
132.5°	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9	1421.8	1257.5
135°	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5	1445.2	1299.5
137.5°	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5	1480.1	1353.1
140°	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2	1501.5	1389.2
142.5°	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1	1519.3	1416.0
145°	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2	1542.7	1456.9
147.5°	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6	1576.9	1508.1
150°	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6	1594.8	1534.9
152.5°	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4	1606.4	1552.4
155°	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0	1632.1	1590.9
157.5°	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6	1657.8	1629.4
160°	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4	1669.3	1646.8
162.5°	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5	1681.8	1665.4
165°	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5	1699.6	1692.2
167.5°	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9	1713.6	1707.4
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8	1725.3	1724.9
172.5°	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4	1733.0	1736.6
177.5°	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2	1733.9	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2014.5	2003.1	2003.1	1984.4	1976.9	1971.2	1961.9	1933.7	1926.2	1918.6	1929.9
5°	2031.4	2010.7	1995.7	1961.9	1933.7	1922.4	1886.7	1819.1	1773.9	1740.1	1721.4
7.5°	2035.1	2008.8	1980.6	1928.1	1860.3	1830.3	1721.4	1597.3	1563.4	1533.4	1514.6
10°	2031.4	2001.3	1961.9	1882.9	1723.2	1670.6	1561.6	1480.8	1460.1	1454.5	1460.1
12.5°	2018.2	1990.1	1935.5	1804.0	1580.4	1544.6	1480.8	1433.8	1430.0	1439.5	1490.2
15°	1995.7	1969.3	1905.5	1698.8	1501.5	1475.2	1430.0	1413.1	1433.8	1499.5	1651.8
17.5°	1973.2	1943.1	1864.2	1595.5	1441.3	1422.6	1390.5	1424.4	1540.9	1629.3	1680.0
20°	1943.1	1907.3	1817.2	1520.3	1398.1	1381.2	1366.2	1518.4	1606.7	1638.6	1666.8
22.5°	1907.3	1869.8	1753.3	1467.6	1353.0	1339.8	1349.3	1571.0	1606.7	1629.3	1653.6
25°	1860.3	1828.4	1678.1	1426.3	1317.3	1302.3	1338.0	1565.4	1586.0	1591.6	1640.5
27.5°	1817.2	1775.8	1599.2	1388.7	1274.1	1268.5	1347.4	1540.9	1556.0	1561.6	1614.2
30°	1764.5	1702.5	1510.8	1349.3	1229.0	1227.1	1349.3	1510.8	1507.1	1522.1	1574.7
32.5°	1710.1	1593.5	1411.3	1300.4	1185.7	1183.8	1336.1	1465.7	1462.0	1482.6	1522.1
35°	1659.3	1509.0	1275.9	1244.0	1131.3	1133.1	1304.1	1413.1	1415.0	1433.8	1458.3
37.5°	1606.7	1435.7	1127.5	1182.0	1078.7	1078.7	1260.9	1364.3	1360.6	1366.2	1400.0
40°	1544.6	1321.0	995.9	1101.2	1029.8	1024.1	1208.3	1311.6	1298.5	1296.7	1343.6
42.5°	1478.9	1195.1	898.2	994.1	973.4	965.8	1144.4	1247.7	1223.4	1229.0	1289.1
45°	1407.5	1161.3	823.0	839.9	915.1	909.5	1074.8	1174.5	1157.6	1172.6	1234.7
47.5°	1336.1	1093.7	798.7	697.1	853.1	851.2	997.8	1103.1	1093.7	1108.8	1174.5
50°	1238.4	1018.5	796.8	597.6	783.6	791.1	905.8	1033.6	1033.6	1046.7	1116.2
52.5°	1112.5	926.4	723.5	541.2	702.8	725.3	824.9	973.4	977.2	990.3	1052.3
55°	997.8	830.6	670.9	498.0	607.0	655.9	746.0	911.4	918.9	932.0	988.5
57.5°	892.6	691.5	659.6	447.2	518.7	565.6	676.5	851.2	855.0	866.3	920.8
60°	779.9	499.9	605.1	392.7	441.6	477.3	612.6	779.9	793.0	800.5	847.5
62.5°	652.0	362.7	548.7	355.2	404.0	411.5	560.0	712.2	729.1	734.8	763.0
65°	464.2	304.4	466.1	323.3	364.5	366.4	503.6	642.7	657.7	667.1	687.8
67.5°	313.8	248.1	355.2	293.2	334.5	336.3	449.2	561.9	582.5	590.1	603.2
70°	218.0	165.4	263.1	261.2	300.7	304.4	390.9	488.6	507.3	513.0	520.5
72.5°	159.7	133.4	218.0	234.9	265.0	268.7	330.7	405.9	424.7	430.3	434.1
75°	122.2	140.9	176.6	204.8	225.5	227.3	270.6	330.7	343.9	347.6	349.5
77.5°	97.7	131.5	129.6	165.4	184.2	180.4	212.4	255.5	266.8	266.8	266.8
80°	73.3	103.4	97.7	118.4	135.3	131.5	152.2	182.3	186.1	189.8	187.9
82.5°	54.5	65.8	65.8	75.2	90.2	86.5	101.4	118.4	118.4	118.4	122.2
85°	33.8	37.5	30.1	39.5	50.7	48.8	56.4	63.9	65.8	65.8	62.0
87.5°	20.6	16.9	9.4	15.0	22.5	22.5	26.3	28.2	26.3	26.3	26.3
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0
92.5°	205.1	125.8	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9
95°	402.0	256.9	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1
97.5°	449.3	321.4	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2
100°	488.4	372.4	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2
102.5°	526.5	418.2	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5
105°	584.3	492.6	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4
107.5°	665.1	579.6	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1
110°	711.4	634.3	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.0	692.5	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5
115°	847.8	780.0	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7
117.5°	927.5	865.8	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9
120°	973.9	915.8	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1
122.5°	1027.3	968.8	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1
125°	1097.4	1044.0	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9
127.5°	1163.7	1109.8	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8
130°	1206.9	1148.9	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9
132.5°	1243.1	1185.1	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6
135°	1286.3	1233.4	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9
137.5°	1340.0	1287.7	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6
140°	1377.2	1329.1	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1
142.5°	1404.9	1360.4	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1
145°	1447.1	1408.3	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2
147.5°	1498.7	1460.9	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5
150°	1526.3	1492.2	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1
152.5°	1546.0	1520.0	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0
155°	1586.1	1566.9	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3
157.5°	1624.7	1606.0	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4
160°	1643.2	1628.7	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0
162.5°	1662.7	1651.8	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3
165°	1689.8	1679.9	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5
167.5°	1706.2	1701.6	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6
170°	1723.8	1719.1	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6
172.5°	1725.8	1724.7	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4
175°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8
177.5°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1916.8	1911.2	1918.6	1898.0	1918.6	1911.2	1916.8	1929.9	1918.6	1926.2	1933.7
5°	1681.9	1672.4	1642.4	1618.0	1642.4	1672.4	1681.9	1721.4	1740.1	1773.9	1819.1
7.5°	1503.4	1495.8	1488.3	1473.3	1488.3	1495.8	1503.4	1514.6	1533.4	1563.4	1597.3
10°	1463.9	1465.7	1477.0	1475.2	1477.0	1465.7	1463.9	1460.1	1454.5	1460.1	1480.8
12.5°	1565.4	1582.3	1644.3	1640.5	1644.3	1582.3	1565.4	1490.2	1439.5	1430.0	1433.8
15°	1681.9	1687.5	1700.6	1702.5	1700.6	1687.5	1681.9	1651.8	1499.5	1433.8	1413.1
17.5°	1693.2	1695.0	1704.4	1704.4	1704.4	1695.0	1693.2	1680.0	1629.3	1540.9	1424.4
20°	1683.7	1687.5	1706.3	1710.1	1706.3	1687.5	1683.7	1666.8	1638.6	1606.7	1518.4
22.5°	1680.0	1687.5	1702.5	1700.6	1702.5	1687.5	1680.0	1653.6	1629.3	1606.7	1571.0
25°	1661.2	1661.2	1663.1	1664.9	1663.1	1661.2	1661.2	1640.5	1591.6	1586.0	1565.4
27.5°	1621.7	1625.4	1636.7	1634.9	1636.7	1625.4	1621.7	1614.2	1561.6	1556.0	1540.9
30°	1586.0	1582.3	1572.9	1565.4	1572.9	1582.3	1586.0	1574.7	1522.1	1507.1	1510.8
32.5°	1525.9	1516.4	1507.1	1501.5	1507.1	1516.4	1525.9	1522.1	1482.6	1462.0	1465.7
35°	1454.5	1456.4	1454.5	1448.8	1454.5	1456.4	1454.5	1458.3	1433.8	1415.0	1413.1
37.5°	1403.7	1407.5	1405.6	1398.1	1405.6	1407.5	1403.7	1400.0	1366.2	1360.6	1364.3
40°	1351.1	1353.0	1351.1	1345.5	1351.1	1353.0	1351.1	1343.6	1296.7	1298.5	1311.6
42.5°	1300.4	1298.5	1292.8	1289.1	1292.8	1298.5	1300.4	1289.1	1229.0	1223.4	1247.7
45°	1242.1	1244.0	1232.7	1227.1	1232.7	1244.0	1242.1	1234.7	1172.6	1157.6	1174.5
47.5°	1183.8	1183.8	1174.5	1168.8	1174.5	1183.8	1183.8	1174.5	1108.8	1093.7	1103.1
50°	1121.8	1120.0	1106.8	1104.9	1106.8	1120.0	1121.8	1116.2	1046.7	1033.6	1033.6
52.5°	1050.5	1050.5	1052.3	1056.1	1052.3	1050.5	1050.5	1052.3	990.3	977.2	973.4
55°	988.5	990.3	1003.5	1007.2	1003.5	990.3	988.5	988.5	932.0	918.9	911.4
57.5°	924.6	924.6	933.9	933.9	933.9	924.6	924.6	920.8	866.3	855.0	851.2
60°	851.2	855.0	862.5	860.7	862.5	855.0	851.2	847.5	800.5	793.0	779.9
62.5°	774.2	778.0	779.9	776.1	779.9	778.0	774.2	763.0	734.8	729.1	712.2
65°	693.4	697.1	699.0	695.3	699.0	697.1	693.4	687.8	667.1	657.7	642.7
67.5°	610.7	608.9	607.0	614.5	607.0	608.9	610.7	603.2	590.1	582.5	561.9
70°	526.1	526.1	524.3	528.1	524.3	526.1	526.1	520.5	513.0	507.3	488.6
72.5°	436.0	434.1	441.6	436.0	441.6	434.1	436.0	434.1	430.3	424.7	405.9
75°	347.6	351.4	347.6	353.2	347.6	351.4	347.6	349.5	347.6	343.9	330.7
77.5°	265.0	268.7	265.0	265.0	265.0	268.7	265.0	266.8	266.8	266.8	255.5
80°	187.9	186.1	186.1	184.2	186.1	186.1	187.9	187.9	189.8	186.1	182.3
82.5°	120.3	118.4	118.4	122.2	118.4	118.4	120.3	122.2	118.4	118.4	118.4
85°	65.8	67.6	63.9	63.9	63.9	67.6	65.8	62.0	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.3	26.3	26.3	28.2
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1
92.5°	221.5	212.7	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0
95°	751.7	725.0	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4
97.5°	1735.4	1684.7	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8
100°	2437.0	2376.6	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0
102.5°	3036.1	2984.2	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1
105°	3735.3	3707.5	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5
107.5°	4099.0	4105.7	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3
110°	4192.2	4221.2	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4132.8	4177.3	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0
115°	3931.1	3992.8	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0
117.5°	3652.6	3721.1	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4
120°	3465.0	3531.5	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4
122.5°	3277.3	3343.0	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4
125°	3029.1	3089.5	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0
127.5°	2829.7	2880.7	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7
130°	2703.9	2751.1	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4
132.5°	2596.7	2638.9	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9
135°	2445.1	2481.5	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5
137.5°	2333.3	2363.1	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5
140°	2243.6	2271.4	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2
142.5°	2180.6	2204.5	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1
145°	2086.2	2104.3	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2
147.5°	2007.0	2022.0	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6
150°	1961.5	1973.6	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6
152.5°	1925.3	1934.5	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4
155°	1882.2	1888.3	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0
157.5°	1844.9	1849.2	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6
160°	1826.3	1828.7	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4
162.5°	1808.8	1811.1	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5
165°	1782.0	1784.4	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5
167.5°	1770.4	1771.4	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8
172.5°	1761.1	1760.1	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4
177.5°	1745.8	1744.8	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1961.9	1971.2	1976.9	1984.4	2003.1
5°	1886.7	1922.4	1933.7	1961.9	1995.7
7.5°	1721.4	1830.3	1860.3	1928.1	1980.6
10°	1561.6	1670.6	1723.2	1882.9	1961.9
12.5°	1480.8	1544.6	1580.4	1804.0	1935.5
15°	1430.0	1475.2	1501.5	1698.8	1905.5
17.5°	1390.5	1422.6	1441.3	1595.5	1864.2
20°	1366.2	1381.2	1398.1	1520.3	1817.2
22.5°	1349.3	1339.8	1353.0	1467.6	1753.3
25°	1338.0	1302.3	1317.3	1426.3	1678.1
27.5°	1347.4	1268.5	1274.1	1388.7	1599.2
30°	1349.3	1227.1	1229.0	1349.3	1510.8
32.5°	1336.1	1183.8	1185.7	1300.4	1411.3
35°	1304.1	1133.1	1131.3	1244.0	1275.9
37.5°	1260.9	1078.7	1078.7	1182.0	1127.5
40°	1208.3	1024.1	1029.8	1101.2	995.9
42.5°	1144.4	965.8	973.4	994.1	898.2
45°	1074.8	909.5	915.1	839.9	823.0
47.5°	997.8	851.2	853.1	697.1	798.7
50°	905.8	791.1	783.6	597.6	796.8
52.5°	824.9	725.3	702.8	541.2	723.5
55°	746.0	655.9	607.0	498.0	670.9
57.5°	676.5	565.6	518.7	447.2	659.6
60°	612.6	477.3	441.6	392.7	605.1
62.5°	560.0	411.5	404.0	355.2	548.7
65°	503.6	366.4	364.5	323.3	466.1
67.5°	449.2	336.3	334.5	293.2	355.2
70°	390.9	304.4	300.7	261.2	263.1
72.5°	330.7	268.7	265.0	234.9	218.0
75°	270.6	227.3	225.5	204.8	176.6
77.5°	212.4	180.4	184.2	165.4	129.6
80°	152.2	131.5	135.3	118.4	97.7
82.5°	101.4	86.5	90.2	75.2	65.8
85°	56.4	48.8	50.7	39.5	30.1
87.5°	26.3	22.5	22.5	15.0	9.4
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.3	224.9	205.1	125.8	46.6
95°	778.1	438.2	402.0	256.9	111.9
97.5°	1048.1	481.4	449.3	321.4	193.4
100°	1146.4	517.4	488.4	372.4	256.4
102.5°	1191.5	553.6	526.5	418.2	310.0
105°	1224.9	607.2	584.3	492.6	401.0
107.5°	1231.1	686.5	665.1	579.6	494.2
110°	1221.8	730.8	711.4	634.3	557.1



TEST NUMBER: P935081

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1222.2	784.4	766.0	692.5	618.9
115°	1233.4	864.8	847.8	780.0	712.1
117.5°	1256.4	942.9	927.5	865.8	804.2
120°	1275.1	988.4	973.9	915.8	857.8
122.5°	1301.9	1042.0	1027.3	968.8	910.3
125°	1338.0	1110.7	1097.4	1044.0	990.7
127.5°	1374.1	1177.1	1163.7	1109.8	1055.9
130°	1400.5	1221.4	1206.9	1148.9	1090.9
132.5°	1421.8	1257.5	1243.1	1185.1	1127.1
135°	1445.2	1299.5	1286.3	1233.4	1180.7
137.5°	1480.1	1353.1	1340.0	1287.7	1235.4
140°	1501.5	1389.2	1377.2	1329.1	1280.9
142.5°	1519.3	1416.0	1404.9	1360.4	1315.8
145°	1542.7	1456.9	1447.1	1408.3	1369.4
147.5°	1576.9	1508.1	1498.7	1460.9	1423.0
150°	1594.8	1534.9	1526.3	1492.2	1458.0
152.5°	1606.4	1552.4	1546.0	1520.0	1494.1
155°	1632.1	1590.9	1586.1	1566.9	1547.7
157.5°	1657.8	1629.4	1624.7	1606.0	1587.3
160°	1669.3	1646.8	1643.2	1628.7	1614.1
162.5°	1681.8	1665.4	1662.7	1651.8	1640.9
165°	1699.6	1692.2	1689.8	1679.9	1670.1
167.5°	1713.6	1707.4	1706.2	1701.6	1696.9
170°	1725.3	1724.9	1723.8	1719.1	1714.5
172.5°	1726.0	1726.0	1725.8	1724.7	1723.7
175°	1733.0	1736.6	1736.6	1736.6	1736.6
177.5°	1733.9	1736.6	1736.6	1736.6	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935081
 CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-5000K

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	9.10	9.81	10.20	10.91	12.42	11.95	12.66	13.05	13.76	15.28
	3H	9.56	10.20	10.67	11.31	12.84	13.29	13.93	14.40	15.04	16.57
	4H	9.75	10.35	10.87	11.46	13.00	13.73	14.34	14.85	15.45	16.98
	6H	9.86	10.42	10.99	11.53	13.07	14.01	14.57	15.14	15.68	17.23
	8H	9.85	10.39	10.99	11.51	13.05	14.09	14.62	15.22	15.74	17.29
	12H	9.82	10.32	10.96	11.44	13.01	14.12	14.63	15.26	15.75	17.31
4H	2H	10.11	10.72	11.24	11.83	13.37	12.34	12.94	13.46	14.05	15.59
	3H	11.13	11.64	12.26	12.77	14.32	13.84	14.34	14.97	15.48	17.03
	4H	11.40	11.86	12.54	12.99	14.56	14.36	14.83	15.50	15.95	17.52
	6H	11.51	11.91	12.66	13.06	14.62	14.72	15.12	15.87	16.27	17.83
	8H	11.52	11.89	12.66	13.03	14.60	14.83	15.20	15.97	16.34	17.92
	12H	11.48	11.81	12.64	12.96	14.55	14.88	15.22	16.04	16.37	17.95
8H	4H	11.84	12.22	12.99	13.35	14.93	14.47	14.85	15.62	15.98	17.56
	6H	12.10	12.41	13.26	13.59	15.16	14.91	15.22	16.07	16.40	17.97
	8H	12.14	12.41	13.31	13.57	15.16	15.06	15.33	16.23	16.49	18.09
	12H	12.12	12.35	13.29	13.51	15.14	15.16	15.40	16.33	16.55	18.18
12H	4H	11.84	12.18	13.00	13.33	14.91	14.43	14.77	15.59	15.92	17.50
	6H	12.16	12.43	13.33	13.59	15.18	14.91	15.17	16.08	16.33	17.93
	8H	12.22	12.46	13.39	13.61	15.24	15.06	15.30	16.24	16.46	18.08