

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: P935077

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935077
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-W2A-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

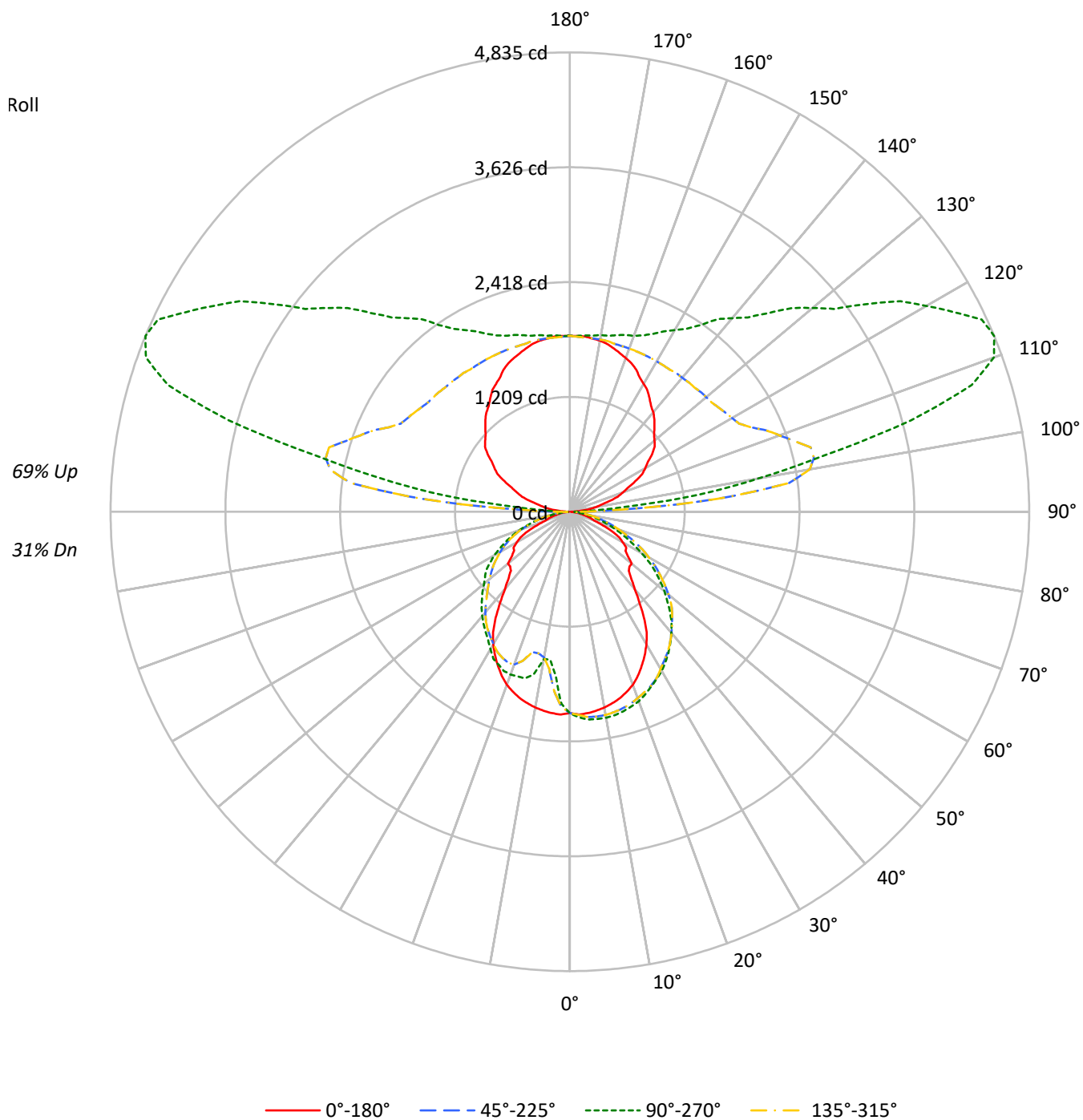
Lumens per Lamp: N/A
Luminaire Lumens: 17503.7 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

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: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	103	103	103	103	92	92	92	92	73	73	73		55	55	55		39
1	94	89	86	82	84	81	77	75	64	62	60		49	47	46		35
2	85	78	72	67	76	70	65	61	56	53	50		43	40	38		30
3	78	69	62	56	70	62	56	51	49	45	42		38	35	32		27
4	71	61	53	47	64	55	48	43	44	39	35		34	30	28		24
5	65	54	46	40	58	49	42	37	39	34	30		30	27	24		22
6	60	48	40	35	54	44	37	32	35	30	26		27	24	21		20
7	55	43	36	30	49	39	33	28	32	27	23		25	21	18		18
8	51	39	32	27	46	36	29	24	29	24	20		22	19	16		16
9	47	36	28	23	43	32	26	22	26	21	18		20	17	15		15
10	44	33	26	21	40	30	23	19	24	19	16		19	15	13		14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6551	6551	6551	6551
5°	6603	6614	6603	5200
10°	6561	6515	6561	4658
15°	6492	6374	6492	5322
20°	6359	6206	6359	5333
25°	6084	5962	6084	5220
30°	5727	5760	5727	4972
35°	5108	5504	5108	4699
40°	4258	5202	4258	4493
45°	3808	4849	3808	4256
50°	4049	4428	4049	4019
55°	3813	3975	3813	3881
60°	3935	3376	3935	3555
65°	3574	2791	3574	3119
70°	2481	2224	2481	2615
75°	2182	1644	2182	1969
80°	1772	1087	1772	1184
85°	1040	576	1040	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5832 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	1.1
10°-20°	542.9	3.1
20°-30°	839.2	4.8
30°-40°	1001.8	5.7
40°-50°	1007.7	5.8
50°-60°	876.8	5.0
60°-70°	621.7	3.6
70°-80°	328.9	1.9
80°-90°	89.0	0.5
90°-100°	902.7	5.2
100°-110°	2373.2	13.6
110°-120°	2460.7	14.1
120°-130°	1973.8	11.3
130°-140°	1548.7	8.8
140°-150°	1188.7	6.8
150°-160°	856.1	4.9
160°-170°	523.8	3.0
170°-180°	177.0	1.0
0°-30°	1573.2	9.0
0°-40°	2575.0	14.7
0°-60°	4459.5	25.5
0°-90°	5499.0	31.4
90°-120°	5736.6	32.8
90°-150°	10447.9	59.7
90°-180°	12005.0	68.6
0°-180°	17503.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2118	2118	2118	2118	2118	
5°	2128	2194	2128	1725	2128	202
15°	2032	2174	2032	1816	2032	572
25°	1790	2028	1790	1776	1790	822
35°	1361	1810	1361	1545	1361	842
45°	878	1491	878	1308	878	703
55°	715	1100	715	1074	715	657
65°	497	663	497	741	497	475
75°	188	315	188	377	188	198
85°	32	80	32	68	32	43
90°	12	47	12	47	12	12
95°	119	546	119	546	119	132
105°	428	3716	428	3716	428	453
115°	759	4785	759	4785	759	750
125°	1056	3810	1056	3810	1056	938
135°	1259	2957	1259	2957	1259	974
145°	1460	2399	1460	2399	1460	915
155°	1650	2066	1650	2066	1650	758
165°	1781	1924	1781	1924	1781	503
175°	1852	1864	1852	1864	1852	176
180°	1852	1852	1852	1852	1852	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2136.1	2136.1	2148.2	2152.2	2152.2	2146.2	2140.2	2146.2	2164.2	2170.2	2168.2
5°	2128.2	2144.2	2166.2	2170.2	2174.3	2172.3	2168.2	2172.3	2192.3	2196.3	2198.3
7.5°	2112.1	2142.2	2170.2	2176.3	2182.2	2176.3	2174.3	2178.3	2198.3	2202.3	2202.3
10°	2092.1	2134.1	2166.2	2170.2	2176.3	2170.2	2170.2	2178.3	2198.3	2202.3	2204.3
12.5°	2064.0	2122.2	2152.2	2156.2	2164.2	2162.2	2160.2	2168.2	2188.3	2192.3	2192.3
15°	2031.9	2100.1	2128.2	2132.1	2146.2	2142.2	2142.2	2150.2	2172.3	2178.3	2176.3
17.5°	1987.9	2072.1	2104.1	2110.1	2120.2	2118.1	2120.2	2128.2	2148.2	2152.2	2154.2
20°	1937.8	2033.9	2072.1	2078.1	2088.1	2088.1	2088.1	2098.1	2118.1	2126.2	2126.2
22.5°	1869.7	1993.9	2033.9	2038.0	2050.0	2050.0	2054.1	2068.0	2086.0	2088.1	2088.1
25°	1789.5	1949.8	1983.8	1995.9	2007.9	2013.9	2020.0	2028.0	2033.9	2031.9	2033.9
27.5°	1705.4	1893.7	1937.8	1945.8	1961.8	1967.8	1975.9	1977.9	1979.8	1985.8	1981.8
30°	1611.1	1815.5	1881.6	1889.7	1915.7	1919.8	1911.7	1915.7	1925.8	1929.8	1933.7
32.5°	1505.0	1699.3	1823.6	1841.6	1865.6	1853.7	1851.6	1857.6	1873.7	1873.7	1877.7
35°	1360.6	1609.1	1769.5	1785.5	1803.6	1789.5	1797.5	1799.5	1809.5	1815.5	1813.5
37.5°	1202.4	1531.0	1713.3	1725.4	1739.4	1721.4	1733.3	1739.4	1747.4	1743.4	1743.4
40°	1062.0	1408.7	1647.2	1655.3	1667.2	1653.3	1665.2	1669.3	1673.3	1669.3	1667.2
42.5°	957.9	1274.5	1577.1	1587.1	1579.1	1589.1	1593.1	1601.2	1595.1	1587.1	1587.1
45°	877.7	1238.4	1501.0	1512.9	1501.0	1517.0	1523.0	1523.0	1505.0	1501.0	1498.9
47.5°	851.7	1166.3	1424.8	1424.8	1418.8	1438.8	1448.8	1434.8	1416.8	1410.7	1410.7
50°	849.7	1086.1	1320.6	1312.5	1340.6	1364.6	1354.7	1340.6	1326.6	1304.6	1304.6
52.5°	771.5	987.9	1186.3	1216.4	1260.4	1274.5	1258.4	1244.4	1220.4	1210.3	1202.4
55°	715.4	885.7	1064.0	1124.2	1170.3	1188.3	1158.2	1144.2	1108.1	1102.2	1098.2
57.5°	703.4	737.4	951.9	1028.0	1084.1	1082.2	1064.0	1038.0	1008.0	1002.0	1000.0
60°	645.3	533.1	831.7	921.8	979.9	973.9	957.9	933.8	905.8	901.8	897.8
62.5°	585.2	386.7	695.3	797.6	879.7	877.7	863.7	827.6	807.6	797.6	789.5
65°	497.0	324.6	495.0	663.3	781.6	785.5	755.5	729.5	707.4	695.3	693.3
67.5°	378.8	264.5	334.7	553.1	687.3	683.4	645.3	633.3	605.2	599.2	587.1
70°	280.6	176.4	232.5	448.9	595.2	585.2	555.1	541.0	515.0	501.0	492.9
72.5°	232.5	142.2	170.3	348.7	501.0	488.9	462.9	446.9	424.8	412.8	404.8
75°	188.3	150.3	130.3	258.5	406.8	398.8	374.7	358.7	340.6	324.6	326.6
77.5°	138.2	140.2	104.2	190.3	322.6	310.7	296.6	276.6	268.5	252.5	252.5
80°	104.2	110.3	78.2	130.3	232.5	232.5	220.4	206.4	192.3	184.4	184.4
82.5°	70.1	70.1	58.1	82.2	158.3	152.3	144.3	140.2	132.3	128.3	128.3
85°	32.1	40.0	36.1	50.1	86.2	90.1	90.1	86.2	84.2	80.2	82.2
87.5°	10.1	18.0	22.0	28.1	44.1	46.1	48.1	48.1	48.1	50.1	50.1
90°	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9	47.2	47.2
92.5°	49.7	134.2	218.7	239.8	337.2	467.0	532.0	466.2	334.8	236.2	226.8
95°	119.3	274.0	428.7	467.3	829.8	1313.1	1554.8	1387.4	1052.7	801.6	773.1
97.5°	206.3	342.7	479.2	513.3	1117.7	1923.6	2326.6	2220.8	2009.2	1850.6	1796.5
100°	273.4	397.1	520.8	551.8	1222.5	2116.8	2564.0	2571.8	2587.2	2598.8	2534.3
102.5°	330.6	446.0	561.4	590.3	1270.6	2177.7	2631.1	2765.9	3035.4	3237.6	3182.3
105°	427.6	525.3	623.1	647.5	1306.3	2184.5	2623.7	2925.8	3530.1	3983.3	3953.6
107.5°	527.0	618.1	709.3	732.1	1312.8	2087.2	2474.5	2896.0	3738.9	4371.0	4378.2
110°	594.1	676.4	758.7	779.3	1302.9	2001.1	2350.2	2821.4	3763.7	4470.4	4501.4

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	659.9	738.4	816.8	836.4	1303.4	1925.9	2237.1	2719.4	3683.8	4407.1	4454.6
115°	759.4	831.8	904.1	922.2	1315.3	1839.5	2101.7	2566.2	3495.3	4192.1	4257.9
117.5°	857.6	923.3	989.0	1005.5	1339.8	1785.5	2008.4	2427.7	3266.2	3895.1	3968.1
120°	914.7	976.6	1038.5	1054.0	1359.7	1767.4	1971.2	2354.2	3120.4	3695.0	3766.0
122.5°	970.7	1033.2	1095.5	1111.1	1388.3	1757.8	1942.6	2287.5	2977.4	3494.9	3564.9
125°	1056.5	1113.3	1170.2	1184.4	1426.8	1750.0	1911.5	2204.5	2790.6	3230.1	3294.6
127.5°	1126.0	1183.4	1240.9	1255.3	1465.3	1745.4	1885.4	2137.0	2640.2	3017.6	3072.0
130°	1163.3	1225.2	1287.0	1302.5	1493.5	1748.2	1875.5	2099.5	2547.5	2883.4	2933.7
132.5°	1201.9	1263.7	1325.6	1341.0	1516.2	1749.9	1866.7	2067.2	2468.3	2769.1	2814.1
135°	1259.0	1315.3	1371.7	1385.7	1541.1	1748.3	1851.9	2019.8	2355.5	2607.4	2646.3
137.5°	1317.4	1373.2	1429.0	1442.9	1578.4	1759.0	1849.4	1991.3	2275.3	2488.2	2520.0
140°	1365.9	1417.3	1468.6	1481.5	1601.2	1760.8	1840.6	1963.2	2208.5	2392.5	2422.2
142.5°	1403.2	1450.7	1498.2	1510.0	1620.2	1767.1	1840.6	1948.4	2163.8	2325.4	2350.9
145°	1460.3	1501.8	1543.2	1553.6	1645.1	1767.2	1828.3	1916.3	2092.5	2224.7	2244.0
147.5°	1517.5	1557.8	1598.2	1608.2	1681.5	1779.4	1828.3	1897.6	2036.2	2140.2	2156.2
150°	1554.8	1591.2	1627.7	1636.8	1700.7	1785.7	1828.3	1886.8	2003.9	2091.7	2104.6
152.5°	1593.3	1620.9	1648.6	1655.5	1713.0	1789.8	1828.3	1878.3	1978.2	2053.2	2062.9
155°	1650.5	1670.9	1691.4	1696.5	1740.4	1799.0	1828.3	1868.0	1947.5	2007.1	2013.6
157.5°	1692.7	1712.6	1732.5	1737.5	1767.8	1808.1	1828.3	1859.1	1921.0	1967.4	1972.0
160°	1721.3	1736.8	1752.3	1756.1	1780.2	1812.2	1828.3	1854.8	1907.7	1947.5	1950.1
162.5°	1749.9	1761.4	1773.1	1776.0	1793.4	1816.6	1828.3	1850.6	1895.3	1928.9	1931.3
165°	1780.9	1791.4	1802.0	1804.6	1812.4	1823.0	1828.3	1844.3	1876.3	1900.3	1902.9
167.5°	1809.5	1814.5	1819.5	1820.8	1827.4	1836.2	1840.6	1851.2	1872.2	1887.9	1889.0
170°	1828.3	1833.2	1838.2	1839.4	1839.8	1840.3	1840.6	1851.2	1872.2	1887.9	1887.9
172.5°	1838.1	1839.2	1840.3	1840.6	1840.6	1840.6	1840.6	1848.9	1865.5	1878.0	1877.0
175°	1851.9	1851.9	1851.9	1851.9	1848.1	1843.1	1840.6	1845.9	1856.3	1864.2	1864.2
177.5°	1851.9	1851.9	1851.9	1851.9	1849.0	1845.1	1843.1	1847.3	1855.5	1861.7	1860.6
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2172.3	2166.2	2172.3	2168.2	2170.2	2164.2	2146.2	2140.2	2146.2	2152.2	2152.2
5°	2198.3	2194.3	2198.3	2198.3	2196.3	2192.3	2172.3	2168.2	2172.3	2174.3	2170.2
7.5°	2206.3	2200.3	2206.3	2202.3	2202.3	2198.3	2178.3	2174.3	2176.3	2182.2	2176.3
10°	2206.3	2200.3	2206.3	2204.3	2202.3	2198.3	2178.3	2170.2	2170.2	2176.3	2170.2
12.5°	2196.3	2192.3	2196.3	2192.3	2192.3	2188.3	2168.2	2160.2	2162.2	2164.2	2156.2
15°	2180.2	2174.3	2180.2	2176.3	2178.3	2172.3	2150.2	2142.2	2142.2	2146.2	2132.1
17.5°	2156.2	2148.2	2156.2	2154.2	2152.2	2148.2	2128.2	2120.2	2118.1	2120.2	2110.1
20°	2128.2	2122.2	2128.2	2126.2	2126.2	2118.1	2098.1	2088.1	2088.1	2088.1	2078.1
22.5°	2084.0	2078.1	2084.0	2088.1	2088.1	2086.0	2068.0	2054.1	2050.0	2050.0	2038.0
25°	2033.9	2028.0	2033.9	2033.9	2031.9	2033.9	2028.0	2020.0	2013.9	2007.9	1995.9
27.5°	1985.8	1981.8	1985.8	1981.8	1985.8	1979.8	1977.9	1975.9	1967.8	1961.8	1945.8
30°	1937.8	1933.7	1937.8	1933.7	1929.8	1925.8	1915.7	1911.7	1919.8	1915.7	1889.7
32.5°	1877.7	1873.7	1877.7	1877.7	1873.7	1873.7	1857.6	1851.6	1853.7	1865.6	1841.6
35°	1815.5	1809.5	1815.5	1813.5	1815.5	1809.5	1799.5	1797.5	1789.5	1803.6	1785.5
37.5°	1743.4	1737.4	1743.4	1743.4	1743.4	1747.4	1739.4	1733.3	1721.4	1739.4	1725.4
40°	1669.3	1661.2	1669.3	1667.2	1669.3	1673.3	1669.3	1665.2	1653.3	1667.2	1655.3
42.5°	1585.1	1583.0	1585.1	1587.1	1587.1	1595.1	1601.2	1593.1	1589.1	1579.1	1587.1
45°	1494.9	1490.9	1494.9	1498.9	1501.0	1505.0	1523.0	1523.0	1517.0	1501.0	1512.9
47.5°	1398.7	1388.7	1398.7	1410.7	1410.7	1416.8	1434.8	1448.8	1438.8	1418.8	1424.8
50°	1296.5	1298.5	1296.5	1304.6	1304.6	1326.6	1340.6	1354.7	1364.6	1340.6	1312.5
52.5°	1196.3	1194.3	1196.3	1202.4	1210.3	1220.4	1244.4	1258.4	1274.5	1260.4	1216.4
55°	1096.1	1100.2	1096.1	1098.2	1102.2	1108.1	1144.2	1158.2	1188.3	1170.3	1124.2
57.5°	995.9	989.9	995.9	1000.0	1002.0	1008.0	1038.0	1064.0	1082.2	1084.1	1028.0
60°	879.7	871.7	879.7	897.8	901.8	905.8	933.8	957.9	973.9	979.9	921.8
62.5°	777.5	763.5	777.5	789.5	797.6	807.6	827.6	863.7	877.7	879.7	797.6
65°	669.3	663.3	669.3	693.3	695.3	707.4	729.5	755.5	785.5	781.6	663.3
67.5°	571.1	571.1	571.1	587.1	599.2	605.2	633.3	645.3	683.4	687.3	553.1
70°	481.0	479.0	481.0	492.9	501.0	515.0	541.0	555.1	585.2	595.2	448.9
72.5°	394.8	392.7	394.8	404.8	412.8	424.8	446.9	462.9	488.9	501.0	348.7
75°	318.6	314.6	318.6	326.6	324.6	340.6	358.7	374.7	398.8	406.8	258.5
77.5°	244.5	244.5	244.5	252.5	252.5	268.5	276.6	296.6	310.7	322.6	190.3
80°	182.4	180.4	182.4	184.4	184.4	192.3	206.4	220.4	232.5	232.5	130.3
82.5°	128.3	124.2	128.3	128.3	128.3	132.3	140.2	144.3	152.3	158.3	82.2
85°	80.2	80.2	80.2	82.2	80.2	84.2	86.2	90.1	90.1	86.2	50.1
87.5°	52.1	50.1	52.1	50.1	50.1	48.1	48.1	48.1	46.1	44.1	28.1
90°	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2	54.7	34.8
92.5°	189.1	151.6	189.1	226.8	236.2	334.8	466.2	532.0	467.0	337.2	239.8
95°	659.4	545.6	659.4	773.1	801.6	1052.7	1387.4	1554.8	1313.1	829.8	467.3
97.5°	1580.0	1363.4	1580.0	1796.5	1850.6	2009.2	2220.8	2326.6	1923.6	1117.7	513.3
100°	2276.4	2018.4	2276.4	2534.3	2598.8	2587.2	2571.8	2564.0	2116.8	1222.5	551.8
102.5°	2961.4	2740.5	2961.4	3182.3	3237.6	3035.4	2765.9	2631.1	2177.7	1270.6	590.3
105°	3834.8	3716.1	3834.8	3953.6	3983.3	3530.1	2925.8	2623.7	2184.5	1306.3	647.5
107.5°	4407.0	4435.7	4407.0	4378.2	4371.0	3738.9	2896.0	2474.5	2087.2	1312.8	732.1
110°	4625.1	4748.9	4625.1	4501.4	4470.4	3763.7	2821.4	2350.2	2001.1	1302.9	779.3

TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4644.6	4834.7	4644.6	4454.6	4407.1	3683.8	2719.4	2237.1	1925.9	1303.4	836.4
115°	4521.4	4784.9	4521.4	4257.9	4192.1	3495.3	2566.2	2101.7	1839.5	1315.3	922.2
117.5°	4260.3	4552.5	4260.3	3968.1	3895.1	3266.2	2427.7	2008.4	1785.5	1339.8	1005.5
120°	4049.8	4333.8	4049.8	3766.0	3695.0	3120.4	2354.2	1971.2	1767.4	1359.7	1054.0
122.5°	3844.9	4124.9	3844.9	3564.9	3494.9	2977.4	2287.5	1942.6	1757.8	1388.3	1111.1
125°	3552.5	3810.5	3552.5	3294.6	3230.1	2790.6	2204.5	1911.5	1750.0	1426.8	1184.4
127.5°	3289.7	3507.3	3289.7	3072.0	3017.6	2640.2	2137.0	1885.4	1745.4	1465.3	1255.3
130°	3134.7	3335.8	3134.7	2933.7	2883.4	2547.5	2099.5	1875.5	1748.2	1493.5	1302.5
132.5°	2994.2	3174.3	2994.2	2814.1	2769.1	2468.3	2067.2	1866.7	1749.9	1516.2	1341.0
135°	2801.4	2956.7	2801.4	2646.3	2607.4	2355.5	2019.8	1851.9	1748.3	1541.1	1385.7
137.5°	2647.0	2774.1	2647.0	2520.0	2488.2	2275.3	1991.3	1849.4	1759.0	1578.4	1442.9
140°	2541.0	2659.7	2541.0	2422.2	2392.5	2208.5	1963.2	1840.6	1760.8	1601.2	1481.5
142.5°	2453.0	2555.2	2453.0	2350.9	2325.4	2163.8	1948.4	1840.6	1767.1	1620.2	1510.0
145°	2321.4	2398.7	2321.4	2244.0	2224.7	2092.5	1916.3	1828.3	1767.2	1645.1	1553.6
147.5°	2220.3	2284.3	2220.3	2156.2	2140.2	2036.2	1897.6	1828.3	1779.4	1681.5	1608.2
150°	2156.6	2208.5	2156.6	2104.6	2091.7	2003.9	1886.8	1828.3	1785.7	1700.7	1636.8
152.5°	2102.2	2141.4	2102.2	2062.9	2053.2	1978.2	1878.3	1828.3	1789.8	1713.0	1655.5
155°	2039.6	2065.6	2039.6	2013.6	2007.1	1947.5	1868.0	1828.3	1799.0	1740.4	1696.5
157.5°	1990.2	2008.4	1990.2	1972.0	1967.4	1921.0	1859.1	1828.3	1808.1	1767.8	1737.5
160°	1960.6	1971.2	1960.6	1950.1	1947.5	1907.7	1854.8	1828.3	1812.2	1780.2	1756.1
162.5°	1941.3	1951.3	1941.3	1931.3	1928.9	1895.3	1850.6	1828.3	1816.6	1793.4	1776.0
165°	1913.4	1923.9	1913.4	1902.9	1900.3	1876.3	1844.3	1828.3	1823.0	1812.4	1804.6
167.5°	1893.4	1897.8	1893.4	1889.0	1887.9	1872.2	1851.2	1840.6	1836.2	1827.4	1820.8
170°	1887.9	1887.9	1887.9	1887.9	1887.9	1872.2	1851.2	1840.6	1840.3	1839.8	1839.4
172.5°	1873.1	1869.2	1873.1	1877.0	1878.0	1865.5	1848.9	1840.6	1840.6	1840.6	1840.6
175°	1864.2	1864.2	1864.2	1864.2	1864.2	1856.3	1845.9	1840.6	1843.1	1848.1	1851.9
177.5°	1856.2	1851.9	1856.2	1860.6	1861.7	1855.5	1847.3	1843.1	1845.1	1849.0	1851.9
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9

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CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2148.2	2136.1	2136.1	2116.1	2108.1	2102.1	2092.1	2062.0	2054.1	2046.0	2058.0
5°	2166.2	2144.2	2128.2	2092.1	2062.0	2050.0	2011.9	1939.8	1891.7	1855.6	1835.6
7.5°	2170.2	2142.2	2112.1	2056.0	1983.8	1951.8	1835.6	1703.4	1667.2	1635.2	1615.1
10°	2166.2	2134.1	2092.1	2007.9	1837.6	1781.4	1665.2	1579.1	1557.0	1551.1	1557.0
12.5°	2152.2	2122.2	2064.0	1923.8	1685.3	1647.2	1579.1	1529.0	1525.0	1535.0	1589.1
15°	2128.2	2100.1	2031.9	1811.5	1601.2	1573.1	1525.0	1506.9	1529.0	1599.1	1761.4
17.5°	2104.1	2072.1	1987.9	1701.4	1537.0	1517.0	1482.8	1519.0	1643.2	1737.4	1791.5
20°	2072.1	2033.9	1937.8	1621.2	1490.9	1472.9	1456.8	1619.2	1713.3	1747.4	1777.5
22.5°	2033.9	1993.9	1869.7	1565.0	1442.8	1428.8	1438.8	1675.3	1713.3	1737.4	1763.4
25°	1983.8	1949.8	1789.5	1521.0	1404.8	1388.7	1426.8	1669.3	1691.3	1697.3	1749.4
27.5°	1937.8	1893.7	1705.4	1480.9	1358.6	1352.7	1436.8	1643.2	1659.2	1665.2	1721.4
30°	1881.6	1815.5	1611.1	1438.8	1310.5	1308.5	1438.8	1611.1	1607.1	1623.2	1679.3
32.5°	1823.6	1699.3	1505.0	1386.7	1264.4	1262.4	1424.8	1563.0	1559.0	1581.1	1623.2
35°	1769.5	1609.1	1360.6	1326.6	1206.4	1208.3	1390.7	1506.9	1508.9	1529.0	1555.1
37.5°	1713.3	1531.0	1202.4	1260.4	1150.3	1150.3	1344.6	1454.9	1450.9	1456.8	1492.9
40°	1647.2	1408.7	1062.0	1174.3	1098.2	1092.1	1288.5	1398.7	1384.7	1382.7	1432.7
42.5°	1577.1	1274.5	957.9	1060.0	1038.0	1030.0	1220.4	1330.6	1304.6	1310.5	1374.7
45°	1501.0	1238.4	877.7	895.7	975.9	969.9	1146.2	1252.5	1234.4	1250.5	1316.6
47.5°	1424.8	1166.3	851.7	743.4	909.7	907.8	1064.0	1176.3	1166.3	1182.4	1252.5
50°	1320.6	1086.1	849.7	637.2	835.6	843.6	965.9	1102.2	1102.2	1116.2	1190.3
52.5°	1186.3	987.9	771.5	577.1	749.5	773.5	879.7	1038.0	1042.0	1056.1	1122.2
55°	1064.0	885.7	715.4	531.1	647.3	699.4	795.5	971.9	979.9	993.9	1054.1
57.5°	951.9	737.4	703.4	476.9	553.1	603.2	721.4	907.8	911.7	923.8	982.0
60°	831.7	533.1	645.3	418.8	470.9	509.0	653.3	831.7	845.6	853.7	903.8
62.5°	695.3	386.7	585.2	378.8	430.9	438.8	597.2	759.4	777.5	783.6	813.6
65°	495.0	324.6	497.0	344.7	388.7	390.7	537.0	685.3	701.4	711.3	733.5
67.5°	334.7	264.5	378.8	312.6	356.7	358.7	479.0	599.2	621.2	629.3	643.2
70°	232.5	176.4	280.6	278.6	320.6	324.6	416.8	521.0	541.0	547.1	555.1
72.5°	170.3	142.2	232.5	250.5	282.6	286.5	352.7	432.9	452.9	458.9	462.9
75°	130.3	150.3	188.3	218.4	240.4	242.4	288.5	352.7	366.7	370.7	372.7
77.5°	104.2	140.2	138.2	176.4	196.4	192.3	226.5	272.5	284.6	284.6	284.6
80°	78.2	110.3	104.2	126.3	144.3	140.2	162.3	194.4	198.4	202.4	200.4
82.5°	58.1	70.1	70.1	80.2	96.2	92.2	108.2	126.3	126.3	126.3	130.3
85°	36.1	40.0	32.1	42.1	54.1	52.1	60.2	68.1	70.1	70.1	66.1
87.5°	22.0	18.0	10.1	16.0	24.0	24.0	28.1	30.1	28.1	28.1	28.1
90°	32.3	22.4	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9
92.5°	218.7	134.2	49.7	134.2	218.7	239.8	337.2	467.0	532.0	466.2	334.8
95°	428.7	274.0	119.3	274.0	428.7	467.3	829.8	1313.1	1554.8	1387.4	1052.7
97.5°	479.2	342.7	206.3	342.7	479.2	513.3	1117.7	1923.6	2326.6	2220.8	2009.2
100°	520.8	397.1	273.4	397.1	520.8	551.8	1222.5	2116.8	2564.0	2571.8	2587.2
102.5°	561.4	446.0	330.6	446.0	561.4	590.3	1270.6	2177.7	2631.1	2765.9	3035.4
105°	623.1	525.3	427.6	525.3	623.1	647.5	1306.3	2184.5	2623.7	2925.8	3530.1
107.5°	709.3	618.1	527.0	618.1	709.3	732.1	1312.8	2087.2	2474.5	2896.0	3738.9
110°	758.7	676.4	594.1	676.4	758.7	779.3	1302.9	2001.1	2350.2	2821.4	3763.7

TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	816.8	738.4	659.9	738.4	816.8	836.4	1303.4	1925.9	2237.1	2719.4	3683.8
115°	904.1	831.8	759.4	831.8	904.1	922.2	1315.3	1839.5	2101.7	2566.2	3495.3
117.5°	989.0	923.3	857.6	923.3	989.0	1005.5	1339.8	1785.5	2008.4	2427.7	3266.2
120°	1038.5	976.6	914.7	976.6	1038.5	1054.0	1359.7	1767.4	1971.2	2354.2	3120.4
122.5°	1095.5	1033.2	970.7	1033.2	1095.5	1111.1	1388.3	1757.8	1942.6	2287.5	2977.4
125°	1170.2	1113.3	1056.5	1113.3	1170.2	1184.4	1426.8	1750.0	1911.5	2204.5	2790.6
127.5°	1240.9	1183.4	1126.0	1183.4	1240.9	1255.3	1465.3	1745.4	1885.4	2137.0	2640.2
130°	1287.0	1225.2	1163.3	1225.2	1287.0	1302.5	1493.5	1748.2	1875.5	2099.5	2547.5
132.5°	1325.6	1263.7	1201.9	1263.7	1325.6	1341.0	1516.2	1749.9	1866.7	2067.2	2468.3
135°	1371.7	1315.3	1259.0	1315.3	1371.7	1385.7	1541.1	1748.3	1851.9	2019.8	2355.5
137.5°	1429.0	1373.2	1317.4	1373.2	1429.0	1442.9	1578.4	1759.0	1849.4	1991.3	2275.3
140°	1468.6	1417.3	1365.9	1417.3	1468.6	1481.5	1601.2	1760.8	1840.6	1963.2	2208.5
142.5°	1498.2	1450.7	1403.2	1450.7	1498.2	1510.0	1620.2	1767.1	1840.6	1948.4	2163.8
145°	1543.2	1501.8	1460.3	1501.8	1543.2	1553.6	1645.1	1767.2	1828.3	1916.3	2092.5
147.5°	1598.2	1557.8	1517.5	1557.8	1598.2	1608.2	1681.5	1779.4	1828.3	1897.6	2036.2
150°	1627.7	1591.2	1554.8	1591.2	1627.7	1636.8	1700.7	1785.7	1828.3	1886.8	2003.9
152.5°	1648.6	1620.9	1593.3	1620.9	1648.6	1655.5	1713.0	1789.8	1828.3	1878.3	1978.2
155°	1691.4	1670.9	1650.5	1670.9	1691.4	1696.5	1740.4	1799.0	1828.3	1868.0	1947.5
157.5°	1732.5	1712.6	1692.7	1712.6	1732.5	1737.5	1767.8	1808.1	1828.3	1859.1	1921.0
160°	1752.3	1736.8	1721.3	1736.8	1752.3	1756.1	1780.2	1812.2	1828.3	1854.8	1907.7
162.5°	1773.1	1761.4	1749.9	1761.4	1773.1	1776.0	1793.4	1816.6	1828.3	1850.6	1895.3
165°	1802.0	1791.4	1780.9	1791.4	1802.0	1804.6	1812.4	1823.0	1828.3	1844.3	1876.3
167.5°	1819.5	1814.5	1809.5	1814.5	1819.5	1820.8	1827.4	1836.2	1840.6	1851.2	1872.2
170°	1838.2	1833.2	1828.3	1833.2	1838.2	1839.4	1839.8	1840.3	1840.6	1851.2	1872.2
172.5°	1840.3	1839.2	1838.1	1839.2	1840.3	1840.6	1840.6	1840.6	1840.6	1848.9	1865.5
175°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1848.1	1843.1	1840.6	1845.9	1856.3
177.5°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1849.0	1845.1	1843.1	1847.3	1855.5
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9

TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2044.0	2038.0	2046.0	2024.0	2046.0	2038.0	2044.0	2058.0	2046.0	2054.1	2062.0
5°	1793.5	1783.4	1751.5	1725.4	1751.5	1783.4	1793.5	1835.6	1855.6	1891.7	1939.8
7.5°	1603.2	1595.1	1587.1	1571.1	1587.1	1595.1	1603.2	1615.1	1635.2	1667.2	1703.4
10°	1561.0	1563.0	1575.1	1573.1	1575.1	1563.0	1561.0	1557.0	1551.1	1557.0	1579.1
12.5°	1669.3	1687.3	1753.5	1749.4	1753.5	1687.3	1669.3	1589.1	1535.0	1525.0	1529.0
15°	1793.5	1799.5	1813.5	1815.5	1813.5	1799.5	1793.5	1761.4	1599.1	1529.0	1506.9
17.5°	1805.5	1807.5	1817.5	1817.5	1817.5	1807.5	1805.5	1791.5	1737.4	1643.2	1519.0
20°	1795.5	1799.5	1819.6	1823.6	1819.6	1799.5	1795.5	1777.5	1747.4	1713.3	1619.2
22.5°	1791.5	1799.5	1815.5	1813.5	1815.5	1799.5	1791.5	1763.4	1737.4	1713.3	1675.3
25°	1771.5	1771.5	1773.5	1775.5	1773.5	1771.5	1771.5	1749.4	1697.3	1691.3	1669.3
27.5°	1729.4	1733.3	1745.4	1743.4	1745.4	1733.3	1729.4	1721.4	1665.2	1659.2	1643.2
30°	1691.3	1687.3	1677.3	1669.3	1677.3	1687.3	1691.3	1679.3	1623.2	1607.1	1611.1
32.5°	1627.2	1617.1	1607.1	1601.2	1607.1	1617.1	1627.2	1623.2	1581.1	1559.0	1563.0
35°	1551.1	1553.1	1551.1	1545.0	1551.1	1553.1	1551.1	1555.1	1529.0	1508.9	1506.9
37.5°	1496.9	1501.0	1498.9	1490.9	1498.9	1501.0	1496.9	1492.9	1456.8	1450.9	1454.9
40°	1440.8	1442.8	1440.8	1434.8	1440.8	1442.8	1440.8	1432.7	1382.7	1384.7	1398.7
42.5°	1386.7	1384.7	1378.7	1374.7	1378.7	1384.7	1386.7	1374.7	1310.5	1304.6	1330.6
45°	1324.6	1326.6	1314.5	1308.5	1314.5	1326.6	1324.6	1316.6	1250.5	1234.4	1252.5
47.5°	1262.4	1262.4	1252.5	1246.4	1252.5	1262.4	1262.4	1252.5	1182.4	1166.3	1176.3
50°	1196.3	1194.3	1180.3	1178.3	1180.3	1194.3	1196.3	1190.3	1116.2	1102.2	1102.2
52.5°	1120.2	1120.2	1122.2	1126.2	1122.2	1120.2	1120.2	1122.2	1056.1	1042.0	1038.0
55°	1054.1	1056.1	1070.1	1074.1	1070.1	1056.1	1054.1	1054.1	993.9	979.9	971.9
57.5°	985.9	985.9	995.9	995.9	995.9	985.9	985.9	982.0	923.8	911.7	907.8
60°	907.8	911.7	919.8	917.8	919.8	911.7	907.8	903.8	853.7	845.6	831.7
62.5°	825.6	829.7	831.7	827.6	831.7	829.7	825.6	813.6	783.6	777.5	759.4
65°	739.4	743.4	745.4	741.4	745.4	743.4	739.4	733.5	711.3	701.4	685.3
67.5°	651.3	649.3	647.3	655.3	647.3	649.3	651.3	643.2	629.3	621.2	599.2
70°	561.0	561.0	559.1	563.1	559.1	561.0	561.0	555.1	547.1	541.0	521.0
72.5°	464.9	462.9	470.9	464.9	470.9	462.9	464.9	462.9	458.9	452.9	432.9
75°	370.7	374.7	370.7	376.7	370.7	374.7	370.7	372.7	370.7	366.7	352.7
77.5°	282.6	286.5	282.6	282.6	282.6	286.5	282.6	284.6	284.6	284.6	272.5
80°	200.4	198.4	198.4	196.4	198.4	198.4	200.4	200.4	202.4	198.4	194.4
82.5°	128.3	126.3	126.3	130.3	126.3	126.3	128.3	130.3	126.3	126.3	126.3
85°	70.1	72.1	68.1	68.1	68.1	72.1	70.1	66.1	70.1	70.1	68.1
87.5°	26.1	24.0	24.0	24.0	24.0	24.0	26.1	28.1	28.1	28.1	30.1
90°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2
92.5°	236.2	226.8	189.1	151.6	189.1	226.8	236.2	334.8	466.2	532.0	467.0
95°	801.6	773.1	659.4	545.6	659.4	773.1	801.6	1052.7	1387.4	1554.8	1313.1
97.5°	1850.6	1796.5	1580.0	1363.4	1580.0	1796.5	1850.6	2009.2	2220.8	2326.6	1923.6
100°	2598.8	2534.3	2276.4	2018.4	2276.4	2534.3	2598.8	2587.2	2571.8	2564.0	2116.8
102.5°	3237.6	3182.3	2961.4	2740.5	2961.4	3182.3	3237.6	3035.4	2765.9	2631.1	2177.7
105°	3983.3	3953.6	3834.8	3716.1	3834.8	3953.6	3983.3	3530.1	2925.8	2623.7	2184.5
107.5°	4371.0	4378.2	4407.0	4435.7	4407.0	4378.2	4371.0	3738.9	2896.0	2474.5	2087.2
110°	4470.4	4501.4	4625.1	4748.9	4625.1	4501.4	4470.4	3763.7	2821.4	2350.2	2001.1

TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4407.1	4454.6	4644.6	4834.7	4644.6	4454.6	4407.1	3683.8	2719.4	2237.1	1925.9
115°	4192.1	4257.9	4521.4	4784.9	4521.4	4257.9	4192.1	3495.3	2566.2	2101.7	1839.5
117.5°	3895.1	3968.1	4260.3	4552.5	4260.3	3968.1	3895.1	3266.2	2427.7	2008.4	1785.5
120°	3695.0	3766.0	4049.8	4333.8	4049.8	3766.0	3695.0	3120.4	2354.2	1971.2	1767.4
122.5°	3494.9	3564.9	3844.9	4124.9	3844.9	3564.9	3494.9	2977.4	2287.5	1942.6	1757.8
125°	3230.1	3294.6	3552.5	3810.5	3552.5	3294.6	3230.1	2790.6	2204.5	1911.5	1750.0
127.5°	3017.6	3072.0	3289.7	3507.3	3289.7	3072.0	3017.6	2640.2	2137.0	1885.4	1745.4
130°	2883.4	2933.7	3134.7	3335.8	3134.7	2933.7	2883.4	2547.5	2099.5	1875.5	1748.2
132.5°	2769.1	2814.1	2994.2	3174.3	2994.2	2814.1	2769.1	2468.3	2067.2	1866.7	1749.9
135°	2607.4	2646.3	2801.4	2956.7	2801.4	2646.3	2607.4	2355.5	2019.8	1851.9	1748.3
137.5°	2488.2	2520.0	2647.0	2774.1	2647.0	2520.0	2488.2	2275.3	1991.3	1849.4	1759.0
140°	2392.5	2422.2	2541.0	2659.7	2541.0	2422.2	2392.5	2208.5	1963.2	1840.6	1760.8
142.5°	2325.4	2350.9	2453.0	2555.2	2453.0	2350.9	2325.4	2163.8	1948.4	1840.6	1767.1
145°	2224.7	2244.0	2321.4	2398.7	2321.4	2244.0	2224.7	2092.5	1916.3	1828.3	1767.2
147.5°	2140.2	2156.2	2220.3	2284.3	2220.3	2156.2	2140.2	2036.2	1897.6	1828.3	1779.4
150°	2091.7	2104.6	2156.6	2208.5	2156.6	2104.6	2091.7	2003.9	1886.8	1828.3	1785.7
152.5°	2053.2	2062.9	2102.2	2141.4	2102.2	2062.9	2053.2	1978.2	1878.3	1828.3	1789.8
155°	2007.1	2013.6	2039.6	2065.6	2039.6	2013.6	2007.1	1947.5	1868.0	1828.3	1799.0
157.5°	1967.4	1972.0	1990.2	2008.4	1990.2	1972.0	1967.4	1921.0	1859.1	1828.3	1808.1
160°	1947.5	1950.1	1960.6	1971.2	1960.6	1950.1	1947.5	1907.7	1854.8	1828.3	1812.2
162.5°	1928.9	1931.3	1941.3	1951.3	1941.3	1931.3	1928.9	1895.3	1850.6	1828.3	1816.6
165°	1900.3	1902.9	1913.4	1923.9	1913.4	1902.9	1900.3	1876.3	1844.3	1828.3	1823.0
167.5°	1887.9	1889.0	1893.4	1897.8	1893.4	1889.0	1887.9	1872.2	1851.2	1840.6	1836.2
170°	1887.9	1887.9	1887.9	1887.9	1887.9	1887.9	1887.9	1872.2	1851.2	1840.6	1840.3
172.5°	1878.0	1877.0	1873.1	1869.2	1873.1	1877.0	1878.0	1865.5	1848.9	1840.6	1840.6
175°	1864.2	1864.2	1864.2	1864.2	1864.2	1864.2	1864.2	1856.3	1845.9	1840.6	1843.1
177.5°	1861.7	1860.6	1856.2	1851.9	1856.2	1860.6	1861.7	1855.5	1847.3	1843.1	1845.1
180°	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9	1851.9

TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2092.1	2102.1	2108.1	2116.1	2136.1
5°	2011.9	2050.0	2062.0	2092.1	2128.2
7.5°	1835.6	1951.8	1983.8	2056.0	2112.1
10°	1665.2	1781.4	1837.6	2007.9	2092.1
12.5°	1579.1	1647.2	1685.3	1923.8	2064.0
15°	1525.0	1573.1	1601.2	1811.5	2031.9
17.5°	1482.8	1517.0	1537.0	1701.4	1987.9
20°	1456.8	1472.9	1490.9	1621.2	1937.8
22.5°	1438.8	1428.8	1442.8	1565.0	1869.7
25°	1426.8	1388.7	1404.8	1521.0	1789.5
27.5°	1436.8	1352.7	1358.6	1480.9	1705.4
30°	1438.8	1308.5	1310.5	1438.8	1611.1
32.5°	1424.8	1262.4	1264.4	1386.7	1505.0
35°	1390.7	1208.3	1206.4	1326.6	1360.6
37.5°	1344.6	1150.3	1150.3	1260.4	1202.4
40°	1288.5	1092.1	1098.2	1174.3	1062.0
42.5°	1220.4	1030.0	1038.0	1060.0	957.9
45°	1146.2	969.9	975.9	895.7	877.7
47.5°	1064.0	907.8	909.7	743.4	851.7
50°	965.9	843.6	835.6	637.2	849.7
52.5°	879.7	773.5	749.5	577.1	771.5
55°	795.5	699.4	647.3	531.1	715.4
57.5°	721.4	603.2	553.1	476.9	703.4
60°	653.3	509.0	470.9	418.8	645.3
62.5°	597.2	438.8	430.9	378.8	585.2
65°	537.0	390.7	388.7	344.7	497.0
67.5°	479.0	358.7	356.7	312.6	378.8
70°	416.8	324.6	320.6	278.6	280.6
72.5°	352.7	286.5	282.6	250.5	232.5
75°	288.5	242.4	240.4	218.4	188.3
77.5°	226.5	192.3	196.4	176.4	138.2
80°	162.3	140.2	144.3	126.3	104.2
82.5°	108.2	92.2	96.2	80.2	70.1
85°	60.2	52.1	54.1	42.1	32.1
87.5°	28.1	24.0	24.0	16.0	10.1
90°	54.7	34.8	32.3	22.4	12.4
92.5°	337.2	239.8	218.7	134.2	49.7
95°	829.8	467.3	428.7	274.0	119.3
97.5°	1117.7	513.3	479.2	342.7	206.3
100°	1222.5	551.8	520.8	397.1	273.4
102.5°	1270.6	590.3	561.4	446.0	330.6
105°	1306.3	647.5	623.1	525.3	427.6
107.5°	1312.8	732.1	709.3	618.1	527.0
110°	1302.9	779.3	758.7	676.4	594.1

TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1303.4	836.4	816.8	738.4	659.9
115°	1315.3	922.2	904.1	831.8	759.4
117.5°	1339.8	1005.5	989.0	923.3	857.6
120°	1359.7	1054.0	1038.5	976.6	914.7
122.5°	1388.3	1111.1	1095.5	1033.2	970.7
125°	1426.8	1184.4	1170.2	1113.3	1056.5
127.5°	1465.3	1255.3	1240.9	1183.4	1126.0
130°	1493.5	1302.5	1287.0	1225.2	1163.3
132.5°	1516.2	1341.0	1325.6	1263.7	1201.9
135°	1541.1	1385.7	1371.7	1315.3	1259.0
137.5°	1578.4	1442.9	1429.0	1373.2	1317.4
140°	1601.2	1481.5	1468.6	1417.3	1365.9
142.5°	1620.2	1510.0	1498.2	1450.7	1403.2
145°	1645.1	1553.6	1543.2	1501.8	1460.3
147.5°	1681.5	1608.2	1598.2	1557.8	1517.5
150°	1700.7	1636.8	1627.7	1591.2	1554.8
152.5°	1713.0	1655.5	1648.6	1620.9	1593.3
155°	1740.4	1696.5	1691.4	1670.9	1650.5
157.5°	1767.8	1737.5	1732.5	1712.6	1692.7
160°	1780.2	1756.1	1752.3	1736.8	1721.3
162.5°	1793.4	1776.0	1773.1	1761.4	1749.9
165°	1812.4	1804.6	1802.0	1791.4	1780.9
167.5°	1827.4	1820.8	1819.5	1814.5	1809.5
170°	1839.8	1839.4	1838.2	1833.2	1828.3
172.5°	1840.6	1840.6	1840.3	1839.2	1838.1
175°	1848.1	1851.9	1851.9	1851.9	1851.9
177.5°	1849.0	1851.9	1851.9	1851.9	1851.9
180°	1851.9	1851.9	1851.9	1851.9	1851.9

TEST NUMBER: P935077

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-W2A-W-12-2700K

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	9.32	10.04	10.42	11.13	12.65	12.17	12.89	13.27	13.98	15.50
	3H	9.78	10.43	10.90	11.53	13.06	13.51	14.15	14.62	15.26	16.79
	4H	9.97	10.58	11.09	11.68	13.22	13.95	14.56	15.07	15.67	17.21
	6H	10.08	10.64	11.21	11.75	13.30	14.24	14.80	15.36	15.91	17.45
	8H	10.08	10.61	11.21	11.74	13.28	14.31	14.84	15.44	15.97	17.51
	12H	10.04	10.55	11.18	11.67	13.23	14.35	14.85	15.48	15.97	17.54
4H	2H	10.34	10.95	11.47	12.05	13.59	12.56	13.17	13.69	14.28	15.81
	3H	11.35	11.86	12.49	12.99	14.54	14.06	14.57	15.19	15.70	17.25
	4H	11.62	12.09	12.76	13.21	14.78	14.58	15.05	15.72	16.17	17.74
	6H	11.74	12.14	12.88	13.28	14.84	14.95	15.35	16.09	16.49	18.05
	8H	11.74	12.11	12.88	13.25	14.83	15.05	15.43	16.20	16.56	18.14
	12H	11.70	12.04	12.86	13.19	14.77	15.11	15.45	16.27	16.59	18.18
8H	4H	12.07	12.44	13.21	13.58	15.15	14.70	15.07	15.84	16.21	17.78
	6H	12.32	12.63	13.49	13.81	15.38	15.13	15.44	16.30	16.62	18.19
	8H	12.36	12.63	13.53	13.79	15.38	15.29	15.56	16.46	16.71	18.31
	12H	12.34	12.58	13.51	13.73	15.36	15.38	15.62	16.56	16.78	18.40
12H	4H	12.07	12.40	13.23	13.55	15.14	14.65	14.99	15.81	16.14	17.72
	6H	12.38	12.65	13.55	13.81	15.40	15.13	15.40	16.30	16.56	18.15
	8H	12.44	12.68	13.62	13.83	15.46	15.29	15.52	16.46	16.68	18.31