

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: P935454

Luminaire Tested: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935454
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

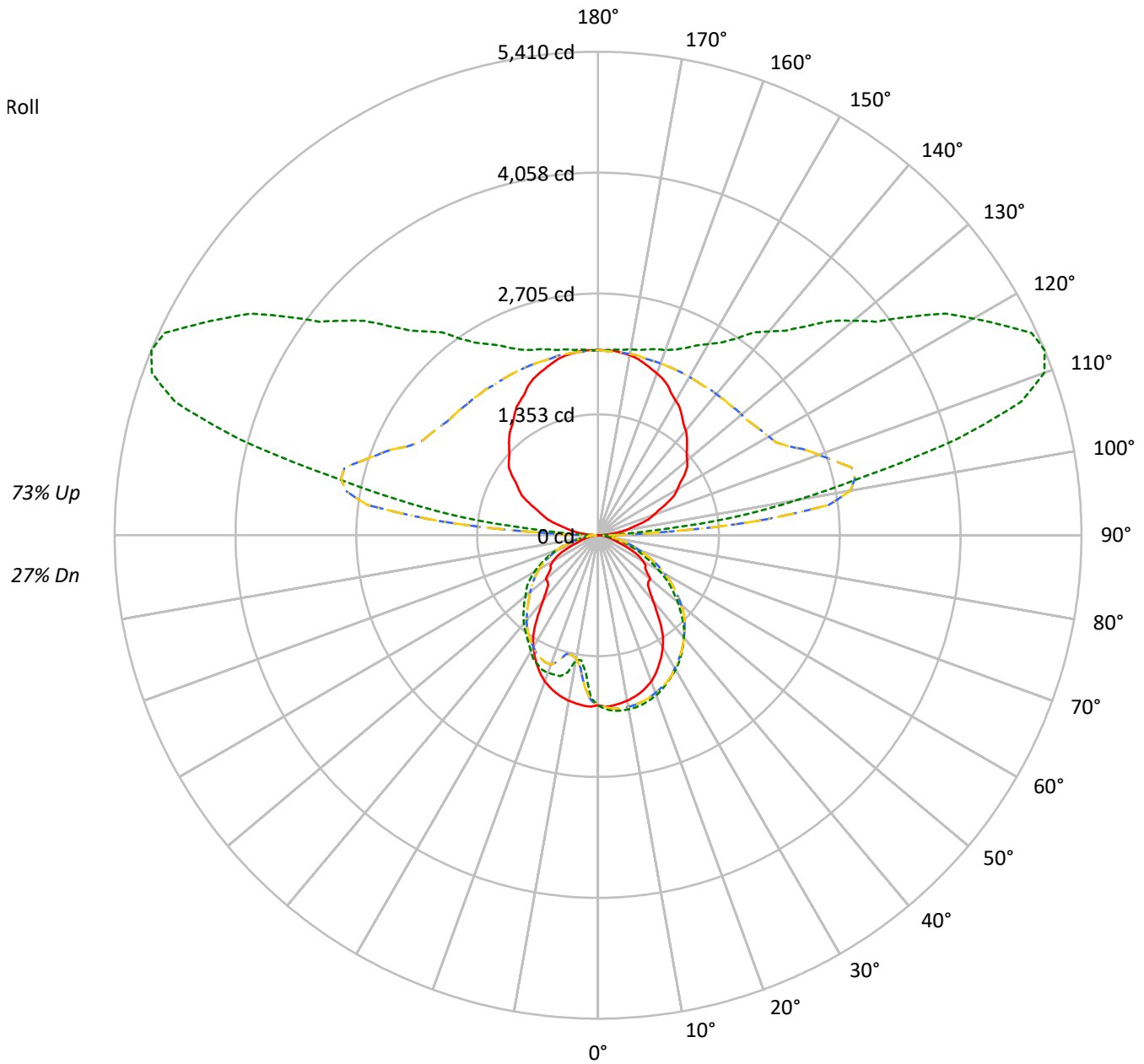
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18377.2 lumens
Efficiency: N/A
Efficacy: 128.7 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): 142.8
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: P935454
CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	0.9
10°-20°	488.0	2.7
20°-30°	754.3	4.1
30°-40°	900.5	4.9
40°-50°	905.8	4.9
50°-60°	788.2	4.3
60°-70°	558.8	3.0
70°-80°	295.6	1.6
80°-90°	81.5	0.4
90°-100°	1010.0	5.5
100°-110°	2655.4	14.4
110°-120°	2753.4	15.0
120°-130°	2208.6	12.0
130°-140°	1733.0	9.4
140°-150°	1330.1	7.2
150°-160°	957.9	5.2
160°-170°	586.1	3.2
170°-180°	198.0	1.1
0°-30°	1414.2	7.7
0°-40°	2314.7	12.6
0°-60°	4008.7	21.8
0°-90°	4944.7	26.9
90°-120°	6418.9	34.9
90°-150°	11690.5	63.6
90°-180°	13433.0	73.1
0°-180°	18377.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1904	1904	1904	1904	1904	
5°	1913	1972	1913	1551	1913	181
15°	1826	1954	1826	1632	1826	514
25°	1609	1823	1609	1596	1609	739
35°	1223	1627	1223	1389	1223	757
45°	789	1340	789	1176	789	632
55°	643	989	643	966	643	591
65°	447	596	447	666	447	427
75°	169	283	169	339	169	178
85°	29	72	29	61	29	39
90°	14	53	14	53	14	13
95°	134	610	134	610	134	148
105°	478	4158	478	4158	478	507
115°	850	5354	850	5354	850	839
125°	1182	4264	1182	4264	1182	1049
135°	1409	3308	1409	3308	1409	1090
145°	1634	2684	1634	2684	1634	1024
155°	1847	2311	1847	2311	1847	849
165°	1993	2153	1993	2153	1993	562
175°	2072	2086	2072	2086	2072	197
180°	2072	2072	2072	2072	2072	



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1920.2	1920.2	1931.0	1934.6	1934.6	1929.2	1923.8	1929.2	1945.4	1950.8	1949.0
5°	1913.0	1927.4	1947.2	1950.8	1954.5	1952.7	1949.0	1952.7	1970.7	1974.3	1976.0
7.5°	1898.6	1925.6	1950.8	1956.3	1961.6	1956.3	1954.5	1958.0	1976.0	1979.6	1979.6
10°	1880.6	1918.4	1947.2	1950.8	1956.3	1950.8	1950.8	1958.0	1976.0	1979.6	1981.5
12.5°	1855.4	1907.6	1934.6	1938.3	1945.4	1943.6	1941.8	1949.0	1967.1	1970.7	1970.7
15°	1826.5	1887.8	1913.0	1916.6	1929.2	1925.6	1925.6	1932.8	1952.7	1958.0	1956.3
17.5°	1787.0	1862.6	1891.4	1896.8	1905.9	1904.0	1905.9	1913.0	1931.0	1934.6	1936.5
20°	1741.9	1828.3	1862.6	1868.0	1877.0	1877.0	1877.0	1886.0	1904.0	1911.2	1911.2
22.5°	1680.7	1792.3	1828.3	1832.0	1842.7	1842.7	1846.4	1858.9	1875.1	1877.0	1877.0
25°	1608.6	1752.7	1783.3	1794.1	1804.9	1810.3	1815.8	1822.9	1828.3	1826.5	1828.3
27.5°	1533.0	1702.3	1741.9	1749.1	1763.5	1768.9	1776.1	1777.9	1779.7	1785.1	1781.5
30°	1448.3	1632.0	1691.4	1698.7	1722.0	1725.7	1718.5	1722.0	1731.1	1734.7	1738.2
32.5°	1352.8	1527.5	1639.2	1655.4	1677.0	1666.3	1664.4	1669.8	1684.3	1684.3	1687.8
35°	1223.1	1446.5	1590.6	1605.0	1621.2	1608.6	1615.8	1617.6	1626.6	1632.0	1630.2
37.5°	1080.8	1376.2	1540.1	1550.9	1563.6	1547.4	1558.1	1563.6	1570.7	1567.2	1567.2
40°	954.7	1266.3	1480.7	1487.9	1498.7	1486.1	1496.9	1500.5	1504.1	1500.5	1498.7
42.5°	861.0	1145.6	1417.6	1426.7	1419.4	1428.5	1432.1	1439.3	1433.8	1426.7	1426.7
45°	788.9	1113.2	1349.2	1360.0	1349.2	1363.6	1369.0	1369.0	1352.8	1349.2	1347.4
47.5°	765.6	1048.4	1280.7	1280.7	1275.4	1293.4	1302.3	1289.8	1273.6	1268.1	1268.1
50°	763.8	976.3	1187.1	1179.8	1205.1	1226.7	1217.7	1205.1	1192.5	1172.7	1172.7
52.5°	693.5	888.1	1066.4	1093.4	1133.0	1145.6	1131.2	1118.6	1097.0	1088.0	1080.8
55°	643.1	796.2	956.5	1010.5	1052.0	1068.2	1041.2	1028.5	996.1	990.8	987.2
57.5°	632.3	662.9	855.6	924.1	974.5	972.8	956.5	933.1	906.1	900.7	898.9
60°	580.1	479.2	747.6	828.6	880.8	875.4	861.0	839.4	814.2	810.6	807.0
62.5°	526.0	347.6	625.0	717.0	790.7	788.9	776.4	743.9	725.9	717.0	709.7
65°	446.8	291.8	445.0	596.3	702.6	706.1	679.1	655.7	635.9	625.0	623.2
67.5°	340.5	237.8	300.8	497.2	617.9	614.3	580.1	569.2	544.0	538.6	527.8
70°	252.2	158.6	209.0	403.5	535.0	526.0	499.0	486.3	463.0	450.3	443.1
72.5°	209.0	127.9	153.1	313.4	450.3	439.5	416.1	401.7	381.9	371.1	363.9
75°	169.3	135.1	117.1	232.3	365.6	358.5	336.8	322.4	306.2	291.8	293.6
77.5°	124.3	126.1	93.6	171.1	290.0	279.2	266.6	248.6	241.4	227.0	227.0
80°	93.6	99.1	70.3	117.1	209.0	209.0	198.1	185.5	172.9	165.7	165.7
82.5°	63.0	63.0	52.2	73.9	142.3	136.9	129.7	126.1	118.9	115.3	115.3
85°	28.8	36.0	32.4	45.0	77.4	81.0	81.0	77.4	75.7	72.1	73.9
87.5°	9.0	16.2	19.8	25.2	39.7	41.5	43.2	43.2	43.2	45.0	45.0
90°	13.9	25.0	36.2	38.9	61.1	90.8	105.6	93.9	70.5	52.8	52.8
92.5°	55.6	150.1	244.8	268.4	377.4	522.6	595.2	521.6	374.5	264.2	253.7
95°	133.5	306.6	479.6	522.9	928.4	1469.3	1739.7	1552.4	1177.9	897.0	865.1
97.5°	230.8	383.5	536.2	574.3	1250.7	2152.4	2603.3	2484.9	2248.2	2070.7	2010.1
100°	305.9	444.4	582.8	617.5	1367.9	2368.6	2868.9	2877.6	2894.9	2907.9	2835.7
102.5°	369.9	499.1	628.2	660.6	1421.8	2436.6	2944.1	3094.8	3396.5	3622.7	3560.9
105°	478.4	587.8	697.2	724.6	1461.6	2444.3	2935.6	3273.7	3949.9	4457.0	4423.8
107.5°	589.7	691.6	793.6	819.1	1469.0	2335.6	2768.8	3240.4	4183.5	4890.9	4899.0
110°	664.8	756.8	848.9	871.9	1457.8	2239.1	2629.7	3157.0	4211.4	5002.2	5036.8



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	738.5	826.2	913.9	935.9	1458.3	2154.9	2503.2	3042.8	4121.9	4931.3	4984.5
115°	849.7	930.6	1011.6	1031.8	1471.8	2058.3	2351.6	2871.4	3911.0	4690.7	4764.4
117.5°	959.6	1033.1	1106.7	1125.0	1499.1	1997.9	2247.3	2716.5	3654.7	4358.3	4440.0
120°	1023.5	1092.7	1162.0	1179.3	1521.4	1977.6	2205.6	2634.3	3491.5	4134.5	4213.9
122.5°	1086.1	1155.9	1225.8	1243.2	1553.4	1966.9	2173.6	2559.6	3331.5	3910.5	3988.9
125°	1182.1	1245.7	1309.4	1325.3	1596.5	1958.0	2138.8	2466.7	3122.5	3614.3	3686.4
127.5°	1260.0	1324.3	1388.5	1404.6	1639.6	1952.9	2109.6	2391.1	2954.2	3376.5	3437.4
130°	1301.7	1370.9	1440.1	1457.4	1671.1	1956.1	2098.5	2349.1	2850.4	3226.3	3282.6
132.5°	1344.8	1414.0	1483.3	1500.5	1696.6	1958.0	2088.8	2313.1	2761.9	3098.4	3148.8
135°	1408.8	1471.8	1534.8	1550.6	1724.5	1956.3	2072.1	2260.0	2635.8	2917.6	2961.1
137.5°	1474.1	1536.5	1598.9	1614.5	1766.1	1968.3	2069.3	2228.2	2545.8	2784.1	2819.6
140°	1528.3	1585.8	1643.3	1657.7	1791.6	1970.2	2059.6	2196.7	2471.2	2677.0	2710.2
142.5°	1570.0	1623.2	1676.4	1689.6	1812.9	1977.4	2059.6	2180.1	2421.2	2602.0	2630.5
145°	1634.0	1680.4	1726.8	1738.3	1840.8	1977.4	2045.7	2144.3	2341.4	2489.2	2510.9
147.5°	1698.0	1743.1	1788.2	1799.5	1881.6	1991.0	2045.7	2123.2	2278.4	2394.7	2412.6
150°	1739.7	1780.5	1821.3	1831.5	1902.9	1998.1	2045.7	2111.2	2242.2	2340.4	2354.9
152.5°	1782.8	1813.7	1844.7	1852.4	1916.9	2002.7	2045.7	2101.7	2213.5	2297.4	2308.4
155°	1846.8	1869.7	1892.5	1898.2	1947.4	2012.9	2045.7	2090.2	2179.2	2245.9	2253.1
157.5°	1894.1	1916.3	1938.6	1944.2	1978.0	2023.1	2045.7	2080.3	2149.5	2201.4	2206.5
160°	1926.1	1943.4	1960.7	1965.0	1991.9	2027.8	2045.7	2075.3	2134.7	2179.2	2182.1
162.5°	1958.0	1971.0	1984.0	1987.2	2006.8	2032.7	2045.7	2070.8	2120.8	2158.3	2161.1
165°	1992.8	2004.5	2016.2	2019.2	2028.1	2039.8	2045.7	2063.6	2099.4	2126.3	2129.2
167.5°	2024.8	2030.4	2035.9	2037.3	2044.7	2054.7	2059.6	2071.3	2094.8	2112.4	2113.7
170°	2045.7	2051.2	2056.8	2058.1	2058.6	2059.2	2059.6	2071.3	2094.8	2112.4	2112.4
172.5°	2056.8	2058.1	2059.3	2059.6	2059.6	2059.6	2059.6	2068.9	2087.4	2101.3	2100.2
175°	2072.1	2072.1	2072.1	2072.1	2067.9	2062.4	2059.6	2065.5	2077.2	2086.0	2086.0
177.5°	2072.1	2072.1	2072.1	2072.1	2068.9	2064.5	2062.4	2067.0	2076.2	2083.2	2082.0
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1952.7	1947.2	1952.7	1949.0	1950.8	1945.4	1929.2	1923.8	1929.2	1934.6	1934.6
5°	1976.0	1972.5	1976.0	1976.0	1974.3	1970.7	1952.7	1949.0	1952.7	1954.5	1950.8
7.5°	1983.3	1977.8	1983.3	1979.6	1979.6	1976.0	1958.0	1954.5	1956.3	1961.6	1956.3
10°	1983.3	1977.8	1983.3	1981.5	1979.6	1976.0	1958.0	1950.8	1950.8	1956.3	1950.8
12.5°	1974.3	1970.7	1974.3	1970.7	1970.7	1967.1	1949.0	1941.8	1943.6	1945.4	1938.3
15°	1959.8	1954.5	1959.8	1956.3	1958.0	1952.7	1932.8	1925.6	1925.6	1929.2	1916.6
17.5°	1938.3	1931.0	1938.3	1936.5	1934.6	1931.0	1913.0	1905.9	1904.0	1905.9	1896.8
20°	1913.0	1907.6	1913.0	1911.2	1911.2	1904.0	1886.0	1877.0	1877.0	1877.0	1868.0
22.5°	1873.4	1868.0	1873.4	1877.0	1877.0	1875.1	1858.9	1846.4	1842.7	1842.7	1832.0
25°	1828.3	1822.9	1828.3	1828.3	1826.5	1828.3	1822.9	1815.8	1810.3	1804.9	1794.1
27.5°	1785.1	1781.5	1785.1	1781.5	1785.1	1779.7	1777.9	1776.1	1768.9	1763.5	1749.1
30°	1741.9	1738.2	1741.9	1738.2	1734.7	1731.1	1722.0	1718.5	1725.7	1722.0	1698.7
32.5°	1687.8	1684.3	1687.8	1687.8	1684.3	1684.3	1669.8	1664.4	1666.3	1677.0	1655.4
35°	1632.0	1626.6	1632.0	1630.2	1632.0	1626.6	1617.6	1615.8	1608.6	1621.2	1605.0
37.5°	1567.2	1561.8	1567.2	1567.2	1567.2	1570.7	1563.6	1558.1	1547.4	1563.6	1550.9
40°	1500.5	1493.3	1500.5	1498.7	1500.5	1504.1	1500.5	1496.9	1486.1	1498.7	1487.9
42.5°	1424.9	1423.0	1424.9	1426.7	1426.7	1433.8	1439.3	1432.1	1428.5	1419.4	1426.7
45°	1343.8	1340.2	1343.8	1347.4	1349.2	1352.8	1369.0	1369.0	1363.6	1349.2	1360.0
47.5°	1257.3	1248.3	1257.3	1268.1	1268.1	1273.6	1289.8	1302.3	1293.4	1275.4	1280.7
50°	1165.4	1167.2	1165.4	1172.7	1172.7	1192.5	1205.1	1217.7	1226.7	1205.1	1179.8
52.5°	1075.4	1073.6	1075.4	1080.8	1088.0	1097.0	1118.6	1131.2	1145.6	1133.0	1093.4
55°	985.3	989.0	985.3	987.2	990.8	996.1	1028.5	1041.2	1068.2	1052.0	1010.5
57.5°	895.2	889.9	895.2	898.9	900.7	906.1	933.1	956.5	972.8	974.5	924.1
60°	790.7	783.6	790.7	807.0	810.6	814.2	839.4	861.0	875.4	880.8	828.6
62.5°	698.9	686.3	698.9	709.7	717.0	725.9	743.9	776.4	788.9	790.7	717.0
65°	601.6	596.3	601.6	623.2	625.0	635.9	655.7	679.1	706.1	702.6	596.3
67.5°	513.4	513.4	513.4	527.8	538.6	544.0	569.2	580.1	614.3	617.9	497.2
70°	432.3	430.6	432.3	443.1	450.3	463.0	486.3	499.0	526.0	535.0	403.5
72.5°	354.9	353.0	354.9	363.9	371.1	381.9	401.7	416.1	439.5	450.3	313.4
75°	286.4	282.8	286.4	293.6	291.8	306.2	322.4	336.8	358.5	365.6	232.3
77.5°	219.8	219.8	219.8	227.0	227.0	241.4	248.6	266.6	279.2	290.0	171.1
80°	163.9	162.1	163.9	165.7	165.7	172.9	185.5	198.1	209.0	209.0	117.1
82.5°	115.3	111.6	115.3	115.3	115.3	118.9	126.1	129.7	136.9	142.3	73.9
85°	72.1	72.1	72.1	73.9	72.1	75.7	77.4	81.0	81.0	77.4	45.0
87.5°	46.8	45.0	46.8	45.0	45.0	43.2	43.2	43.2	41.5	39.7	25.2
90°	52.8	52.8	52.8	52.8	52.8	70.5	93.9	105.6	90.8	61.1	38.9
92.5°	211.7	169.7	211.7	253.7	264.2	374.5	521.6	595.2	522.6	377.4	268.4
95°	737.8	610.5	737.8	865.1	897.0	1177.9	1552.4	1739.7	1469.3	928.4	522.9
97.5°	1767.8	1525.5	1767.8	2010.1	2070.7	2248.2	2484.9	2603.3	2152.4	1250.7	574.3
100°	2547.1	2258.4	2547.1	2835.7	2907.9	2894.9	2877.6	2868.9	2368.6	1367.9	617.5
102.5°	3313.6	3066.4	3313.6	3560.9	3622.7	3396.5	3094.8	2944.1	2436.6	1421.8	660.6
105°	4291.0	4158.1	4291.0	4423.8	4457.0	3949.9	3273.7	2935.6	2444.3	1461.6	724.6
107.5°	4931.1	4963.3	4931.1	4899.0	4890.9	4183.5	3240.4	2768.8	2335.6	1469.0	819.1
110°	5175.3	5313.7	5175.3	5036.8	5002.2	4211.4	3157.0	2629.7	2239.1	1457.8	871.9



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5197.0	5409.7	5197.0	4984.5	4931.3	4121.9	3042.8	2503.2	2154.9	1458.3	935.9
115°	5059.2	5354.1	5059.2	4764.4	4690.7	3911.0	2871.4	2351.6	2058.3	1471.8	1031.8
117.5°	4767.0	5094.0	4767.0	4440.0	4358.3	3654.7	2716.5	2247.3	1997.9	1499.1	1125.0
120°	4531.5	4849.2	4531.5	4213.9	4134.5	3491.5	2634.3	2205.6	1977.6	1521.4	1179.3
122.5°	4302.2	4615.6	4302.2	3988.9	3910.5	3331.5	2559.6	2173.6	1966.9	1553.4	1243.2
125°	3975.1	4263.7	3975.1	3686.4	3614.3	3122.5	2466.7	2138.8	1958.0	1596.5	1325.3
127.5°	3680.9	3924.4	3680.9	3437.4	3376.5	2954.2	2391.1	2109.6	1952.9	1639.6	1404.6
130°	3507.6	3732.6	3507.6	3282.6	3226.3	2850.4	2349.1	2098.5	1956.1	1671.1	1457.4
132.5°	3350.3	3551.7	3350.3	3148.8	3098.4	2761.9	2313.1	2088.8	1958.0	1696.6	1500.5
135°	3134.7	3308.4	3134.7	2961.1	2917.6	2635.8	2260.0	2072.1	1956.3	1724.5	1550.6
137.5°	2961.8	3104.0	2961.8	2819.6	2784.1	2545.8	2228.2	2069.3	1968.3	1766.1	1614.5
140°	2843.2	2976.0	2843.2	2710.2	2677.0	2471.2	2196.7	2059.6	1970.2	1791.6	1657.7
142.5°	2744.8	2859.2	2744.8	2630.5	2602.0	2421.2	2180.1	2059.6	1977.4	1812.9	1689.6
145°	2597.4	2684.0	2597.4	2510.9	2489.2	2341.4	2144.3	2045.7	1977.4	1840.8	1738.3
147.5°	2484.3	2556.0	2484.3	2412.6	2394.7	2278.4	2123.2	2045.7	1991.0	1881.6	1799.5
150°	2413.1	2471.2	2413.1	2354.9	2340.4	2242.2	2111.2	2045.7	1998.1	1902.9	1831.5
152.5°	2352.3	2396.1	2352.3	2308.4	2297.4	2213.5	2101.7	2045.7	2002.7	1916.9	1852.4
155°	2282.2	2311.2	2282.2	2253.1	2245.9	2179.2	2090.2	2045.7	2012.9	1947.4	1898.2
157.5°	2226.9	2247.3	2226.9	2206.5	2201.4	2149.5	2080.3	2045.7	2023.1	1978.0	1944.2
160°	2193.9	2205.6	2193.9	2182.1	2179.2	2134.7	2075.3	2045.7	2027.8	1991.9	1965.0
162.5°	2172.2	2183.3	2172.2	2161.1	2158.3	2120.8	2070.8	2045.7	2032.7	2006.8	1987.2
165°	2141.0	2152.8	2141.0	2129.2	2126.3	2099.4	2063.6	2045.7	2039.8	2028.1	2019.2
167.5°	2118.6	2123.5	2118.6	2113.7	2112.4	2094.8	2071.3	2059.6	2054.7	2044.7	2037.3
170°	2112.4	2112.4	2112.4	2112.4	2112.4	2094.8	2071.3	2059.6	2059.2	2058.6	2058.1
172.5°	2095.8	2091.5	2095.8	2100.2	2101.3	2087.4	2068.9	2059.6	2059.6	2059.6	2059.6
175°	2086.0	2086.0	2086.0	2086.0	2086.0	2077.2	2065.5	2059.6	2062.4	2067.9	2072.1
177.5°	2077.0	2072.1	2077.0	2082.0	2083.2	2076.2	2067.0	2062.4	2064.5	2068.9	2072.1
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1931.0	1920.2	1920.2	1902.2	1895.0	1889.6	1880.6	1853.6	1846.4	1839.1	1850.0
5°	1947.2	1927.4	1913.0	1880.6	1853.6	1842.7	1808.5	1743.7	1700.5	1668.1	1650.1
7.5°	1950.8	1925.6	1898.6	1848.2	1783.3	1754.5	1650.1	1531.2	1498.7	1469.9	1451.8
10°	1947.2	1918.4	1880.6	1804.9	1651.9	1601.4	1496.9	1419.4	1399.6	1394.3	1399.6
12.5°	1934.6	1907.6	1855.4	1729.3	1515.0	1480.7	1419.4	1374.4	1370.8	1379.9	1428.5
15°	1913.0	1887.8	1826.5	1628.4	1439.3	1414.1	1370.8	1354.6	1374.4	1437.4	1583.4
17.5°	1891.4	1862.6	1787.0	1529.4	1381.6	1363.6	1332.9	1365.4	1477.1	1561.8	1610.4
20°	1862.6	1828.3	1741.9	1457.3	1340.2	1324.0	1309.6	1455.5	1540.1	1570.7	1597.8
22.5°	1828.3	1792.3	1680.7	1406.8	1296.9	1284.3	1293.4	1505.9	1540.1	1561.8	1585.1
25°	1783.3	1752.7	1608.6	1367.2	1262.7	1248.3	1282.5	1500.5	1520.3	1525.7	1572.5
27.5°	1741.9	1702.3	1533.0	1331.1	1221.3	1215.9	1291.6	1477.1	1491.5	1496.9	1547.4
30°	1691.4	1632.0	1448.3	1293.4	1178.1	1176.3	1293.4	1448.3	1444.7	1459.1	1509.5
32.5°	1639.2	1527.5	1352.8	1246.5	1136.6	1134.8	1280.7	1405.0	1401.4	1421.2	1459.1
35°	1590.6	1446.5	1223.1	1192.5	1084.4	1086.2	1250.1	1354.6	1356.4	1374.4	1397.9
37.5°	1540.1	1376.2	1080.8	1133.0	1034.0	1034.0	1208.7	1307.8	1304.2	1309.6	1342.0
40°	1480.7	1266.3	954.7	1055.6	987.2	981.7	1158.3	1257.3	1244.8	1243.0	1287.9
42.5°	1417.6	1145.6	861.0	952.9	933.1	925.8	1097.0	1196.0	1172.7	1178.1	1235.7
45°	1349.2	1113.2	788.9	805.2	877.2	871.9	1030.3	1125.9	1109.6	1124.1	1183.5
47.5°	1280.7	1048.4	765.6	668.3	817.8	816.0	956.5	1057.4	1048.4	1062.8	1125.9
50°	1187.1	976.3	763.8	572.8	751.2	758.3	868.3	990.8	990.8	1003.4	1070.0
52.5°	1066.4	888.1	693.5	518.7	673.7	695.3	790.7	933.1	936.7	949.3	1008.7
55°	956.5	796.2	643.1	477.4	581.9	628.7	715.1	873.6	880.8	893.4	947.5
57.5°	855.6	662.9	632.3	428.7	497.2	542.2	648.5	816.0	819.6	830.4	882.7
60°	747.6	479.2	580.1	376.5	423.3	457.5	587.2	747.6	760.1	767.4	812.4
62.5°	625.0	347.6	526.0	340.5	387.3	394.5	536.8	682.7	698.9	704.3	731.4
65°	445.0	291.8	446.8	309.9	349.4	351.2	482.8	616.1	630.5	639.4	659.3
67.5°	300.8	237.8	340.5	281.0	320.6	322.4	430.6	538.6	558.4	565.7	578.2
70°	209.0	158.6	252.2	250.4	288.2	291.8	374.7	468.3	486.3	491.8	499.0
72.5°	153.1	127.9	209.0	225.2	254.0	257.6	317.0	389.1	407.1	412.5	416.1
75°	117.1	135.1	169.3	196.3	216.1	217.9	259.4	317.0	329.7	333.2	335.0
77.5°	93.6	126.1	124.3	158.6	176.6	172.9	203.6	245.0	255.8	255.8	255.8
80°	70.3	99.1	93.6	113.5	129.7	126.1	145.9	174.8	178.3	181.9	180.1
82.5°	52.2	63.0	63.0	72.1	86.5	82.9	97.2	113.5	113.5	113.5	117.1
85°	32.4	36.0	28.8	37.9	48.6	46.8	54.1	61.2	63.0	63.0	59.4
87.5°	19.8	16.2	9.0	14.4	21.6	21.6	25.2	27.0	25.2	25.2	25.2
90°	36.2	25.0	13.9	25.0	36.2	38.9	61.1	90.8	105.6	93.9	70.5
92.5°	244.8	150.1	55.6	150.1	244.8	268.4	377.4	522.6	595.2	521.6	374.5
95°	479.6	306.6	133.5	306.6	479.6	522.9	928.4	1469.3	1739.7	1552.4	1177.9
97.5°	536.2	383.5	230.8	383.5	536.2	574.3	1250.7	2152.4	2603.3	2484.9	2248.2
100°	582.8	444.4	305.9	444.4	582.8	617.5	1367.9	2368.6	2868.9	2877.6	2894.9
102.5°	628.2	499.1	369.9	499.1	628.2	660.6	1421.8	2436.6	2944.1	3094.8	3396.5
105°	697.2	587.8	478.4	587.8	697.2	724.6	1461.6	2444.3	2935.6	3273.7	3949.9
107.5°	793.6	691.6	589.7	691.6	793.6	819.1	1469.0	2335.6	2768.8	3240.4	4183.5
110°	848.9	756.8	664.8	756.8	848.9	871.9	1457.8	2239.1	2629.7	3157.0	4211.4



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	913.9	826.2	738.5	826.2	913.9	935.9	1458.3	2154.9	2503.2	3042.8	4121.9
115°	1011.6	930.6	849.7	930.6	1011.6	1031.8	1471.8	2058.3	2351.6	2871.4	3911.0
117.5°	1106.7	1033.1	959.6	1033.1	1106.7	1125.0	1499.1	1997.9	2247.3	2716.5	3654.7
120°	1162.0	1092.7	1023.5	1092.7	1162.0	1179.3	1521.4	1977.6	2205.6	2634.3	3491.5
122.5°	1225.8	1155.9	1086.1	1155.9	1225.8	1243.2	1553.4	1966.9	2173.6	2559.6	3331.5
125°	1309.4	1245.7	1182.1	1245.7	1309.4	1325.3	1596.5	1958.0	2138.8	2466.7	3122.5
127.5°	1388.5	1324.3	1260.0	1324.3	1388.5	1404.6	1639.6	1952.9	2109.6	2391.1	2954.2
130°	1440.1	1370.9	1301.7	1370.9	1440.1	1457.4	1671.1	1956.1	2098.5	2349.1	2850.4
132.5°	1483.3	1414.0	1344.8	1414.0	1483.3	1500.5	1696.6	1958.0	2088.8	2313.1	2761.9
135°	1534.8	1471.8	1408.8	1471.8	1534.8	1550.6	1724.5	1956.3	2072.1	2260.0	2635.8
137.5°	1598.9	1536.5	1474.1	1536.5	1598.9	1614.5	1766.1	1968.3	2069.3	2228.2	2545.8
140°	1643.3	1585.8	1528.3	1585.8	1643.3	1657.7	1791.6	1970.2	2059.6	2196.7	2471.2
142.5°	1676.4	1623.2	1570.0	1623.2	1676.4	1689.6	1812.9	1977.4	2059.6	2180.1	2421.2
145°	1726.8	1680.4	1634.0	1680.4	1726.8	1738.3	1840.8	1977.4	2045.7	2144.3	2341.4
147.5°	1788.2	1743.1	1698.0	1743.1	1788.2	1799.5	1881.6	1991.0	2045.7	2123.2	2278.4
150°	1821.3	1780.5	1739.7	1780.5	1821.3	1831.5	1902.9	1998.1	2045.7	2111.2	2242.2
152.5°	1844.7	1813.7	1782.8	1813.7	1844.7	1852.4	1916.9	2002.7	2045.7	2101.7	2213.5
155°	1892.5	1869.7	1846.8	1869.7	1892.5	1898.2	1947.4	2012.9	2045.7	2090.2	2179.2
157.5°	1938.6	1916.3	1894.1	1916.3	1938.6	1944.2	1978.0	2023.1	2045.7	2080.3	2149.5
160°	1960.7	1943.4	1926.1	1943.4	1960.7	1965.0	1991.9	2027.8	2045.7	2075.3	2134.7
162.5°	1984.0	1971.0	1958.0	1971.0	1984.0	1987.2	2006.8	2032.7	2045.7	2070.8	2120.8
165°	2016.2	2004.5	1992.8	2004.5	2016.2	2019.2	2028.1	2039.8	2045.7	2063.6	2099.4
167.5°	2035.9	2030.4	2024.8	2030.4	2035.9	2037.3	2044.7	2054.7	2059.6	2071.3	2094.8
170°	2056.8	2051.2	2045.7	2051.2	2056.8	2058.1	2058.6	2059.2	2059.6	2071.3	2094.8
172.5°	2059.3	2058.1	2056.8	2058.1	2059.3	2059.6	2059.6	2059.6	2059.6	2068.9	2087.4
175°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2067.9	2062.4	2059.6	2065.5	2077.2
177.5°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2068.9	2064.5	2062.4	2067.0	2076.2
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1837.4	1832.0	1839.1	1819.4	1839.1	1832.0	1837.4	1850.0	1839.1	1846.4	1853.6
5°	1612.2	1603.1	1574.4	1550.9	1574.4	1603.1	1612.2	1650.1	1668.1	1700.5	1743.7
7.5°	1441.1	1433.8	1426.7	1412.3	1426.7	1433.8	1441.1	1451.8	1469.9	1498.7	1531.2
10°	1403.2	1405.0	1415.8	1414.1	1415.8	1405.0	1403.2	1399.6	1394.3	1399.6	1419.4
12.5°	1500.5	1516.7	1576.2	1572.5	1576.2	1516.7	1500.5	1428.5	1379.9	1370.8	1374.4
15°	1612.2	1617.6	1630.2	1632.0	1630.2	1617.6	1612.2	1583.4	1437.4	1374.4	1354.6
17.5°	1623.0	1624.8	1633.8	1633.8	1633.8	1624.8	1623.0	1610.4	1561.8	1477.1	1365.4
20°	1614.0	1617.6	1635.6	1639.2	1635.6	1617.6	1614.0	1597.8	1570.7	1540.1	1455.5
22.5°	1610.4	1617.6	1632.0	1630.2	1632.0	1617.6	1610.4	1585.1	1561.8	1540.1	1505.9
25°	1592.4	1592.4	1594.2	1596.0	1594.2	1592.4	1592.4	1572.5	1525.7	1520.3	1500.5
27.5°	1554.5	1558.1	1568.9	1567.2	1568.9	1558.1	1554.5	1547.4	1496.9	1491.5	1477.1
30°	1520.3	1516.7	1507.7	1500.5	1507.7	1516.7	1520.3	1509.5	1459.1	1444.7	1448.3
32.5°	1462.7	1453.6	1444.7	1439.3	1444.7	1453.6	1462.7	1459.1	1421.2	1401.4	1405.0
35°	1394.3	1396.1	1394.3	1388.8	1394.3	1396.1	1394.3	1397.9	1374.4	1356.4	1354.6
37.5°	1345.6	1349.2	1347.4	1340.2	1347.4	1349.2	1345.6	1342.0	1309.6	1304.2	1307.8
40°	1295.2	1296.9	1295.2	1289.8	1295.2	1296.9	1295.2	1287.9	1243.0	1244.8	1257.3
42.5°	1246.5	1244.8	1239.3	1235.7	1239.3	1244.8	1246.5	1235.7	1178.1	1172.7	1196.0
45°	1190.7	1192.5	1181.6	1176.3	1181.6	1192.5	1190.7	1183.5	1124.1	1109.6	1125.9
47.5°	1134.8	1134.8	1125.9	1120.4	1125.9	1134.8	1134.8	1125.9	1062.8	1048.4	1057.4
50°	1075.4	1073.6	1060.9	1059.2	1060.9	1073.6	1075.4	1070.0	1003.4	990.8	990.8
52.5°	1007.0	1007.0	1008.7	1012.3	1008.7	1007.0	1007.0	1008.7	949.3	936.7	933.1
55°	947.5	949.3	961.9	965.5	961.9	949.3	947.5	947.5	893.4	880.8	873.6
57.5°	886.3	886.3	895.2	895.2	895.2	886.3	886.3	882.7	830.4	819.6	816.0
60°	816.0	819.6	826.8	825.0	826.8	819.6	816.0	812.4	767.4	760.1	747.6
62.5°	742.1	745.8	747.6	743.9	747.6	745.8	742.1	731.4	704.3	698.9	682.7
65°	664.7	668.3	670.1	666.5	670.1	668.3	664.7	659.3	639.4	630.5	616.1
67.5°	585.4	583.7	581.9	589.0	581.9	583.7	585.4	578.2	565.7	558.4	538.6
70°	504.3	504.3	502.5	506.2	502.5	504.3	504.3	499.0	491.8	486.3	468.3
72.5°	417.9	416.1	423.3	417.9	423.3	416.1	417.9	416.1	412.5	407.1	389.1
75°	333.2	336.8	333.2	338.6	333.2	336.8	333.2	335.0	333.2	329.7	317.0
77.5°	254.0	257.6	254.0	254.0	254.0	257.6	254.0	255.8	255.8	255.8	245.0
80°	180.1	178.3	178.3	176.6	178.3	178.3	180.1	180.1	181.9	178.3	174.8
82.5°	115.3	113.5	113.5	117.1	113.5	113.5	115.3	117.1	113.5	113.5	113.5
85°	63.0	64.8	61.2	61.2	61.2	64.8	63.0	59.4	63.0	63.0	61.2
87.5°	23.5	21.6	21.6	21.6	21.6	21.6	23.5	25.2	25.2	25.2	27.0
90°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	70.5	93.9	105.6	90.8
92.5°	264.2	253.7	211.7	169.7	211.7	253.7	264.2	374.5	521.6	595.2	522.6
95°	897.0	865.1	737.8	610.5	737.8	865.1	897.0	1177.9	1552.4	1739.7	1469.3
97.5°	2070.7	2010.1	1767.8	1525.5	1767.8	2010.1	2070.7	2248.2	2484.9	2603.3	2152.4
100°	2907.9	2835.7	2547.1	2258.4	2547.1	2835.7	2907.9	2894.9	2877.6	2868.9	2368.6
102.5°	3622.7	3560.9	3313.6	3066.4	3313.6	3560.9	3622.7	3396.5	3094.8	2944.1	2436.6
105°	4457.0	4423.8	4291.0	4158.1	4291.0	4423.8	4457.0	3949.9	3273.7	2935.6	2444.3
107.5°	4890.9	4899.0	4931.1	4963.3	4931.1	4899.0	4890.9	4183.5	3240.4	2768.8	2335.6
110°	5002.2	5036.8	5175.3	5313.7	5175.3	5036.8	5002.2	4211.4	3157.0	2629.7	2239.1



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4931.3	4984.5	5197.0	5409.7	5197.0	4984.5	4931.3	4121.9	3042.8	2503.2	2154.9
115°	4690.7	4764.4	5059.2	5354.1	5059.2	4764.4	4690.7	3911.0	2871.4	2351.6	2058.3
117.5°	4358.3	4440.0	4767.0	5094.0	4767.0	4440.0	4358.3	3654.7	2716.5	2247.3	1997.9
120°	4134.5	4213.9	4531.5	4849.2	4531.5	4213.9	4134.5	3491.5	2634.3	2205.6	1977.6
122.5°	3910.5	3988.9	4302.2	4615.6	4302.2	3988.9	3910.5	3331.5	2559.6	2173.6	1966.9
125°	3614.3	3686.4	3975.1	4263.7	3975.1	3686.4	3614.3	3122.5	2466.7	2138.8	1958.0
127.5°	3376.5	3437.4	3680.9	3924.4	3680.9	3437.4	3376.5	2954.2	2391.1	2109.6	1952.9
130°	3226.3	3282.6	3507.6	3732.6	3507.6	3282.6	3226.3	2850.4	2349.1	2098.5	1956.1
132.5°	3098.4	3148.8	3350.3	3551.7	3350.3	3148.8	3098.4	2761.9	2313.1	2088.8	1958.0
135°	2917.6	2961.1	3134.7	3308.4	3134.7	2961.1	2917.6	2635.8	2260.0	2072.1	1956.3
137.5°	2784.1	2819.6	2961.8	3104.0	2961.8	2819.6	2784.1	2545.8	2228.2	2069.3	1968.3
140°	2677.0	2710.2	2843.2	2976.0	2843.2	2710.2	2677.0	2471.2	2196.7	2059.6	1970.2
142.5°	2602.0	2630.5	2744.8	2859.2	2744.8	2630.5	2602.0	2421.2	2180.1	2059.6	1977.4
145°	2489.2	2510.9	2597.4	2684.0	2597.4	2510.9	2489.2	2341.4	2144.3	2045.7	1977.4
147.5°	2394.7	2412.6	2484.3	2556.0	2484.3	2412.6	2394.7	2278.4	2123.2	2045.7	1991.0
150°	2340.4	2354.9	2413.1	2471.2	2413.1	2354.9	2340.4	2242.2	2111.2	2045.7	1998.1
152.5°	2297.4	2308.4	2352.3	2396.1	2352.3	2308.4	2297.4	2213.5	2101.7	2045.7	2002.7
155°	2245.9	2253.1	2282.2	2311.2	2282.2	2253.1	2245.9	2179.2	2090.2	2045.7	2012.9
157.5°	2201.4	2206.5	2226.9	2247.3	2226.9	2206.5	2201.4	2149.5	2080.3	2045.7	2023.1
160°	2179.2	2182.1	2193.9	2205.6	2193.9	2182.1	2179.2	2134.7	2075.3	2045.7	2027.8
162.5°	2158.3	2161.1	2172.2	2183.3	2172.2	2161.1	2158.3	2120.8	2070.8	2045.7	2032.7
165°	2126.3	2129.2	2141.0	2152.8	2141.0	2129.2	2126.3	2099.4	2063.6	2045.7	2039.8
167.5°	2112.4	2113.7	2118.6	2123.5	2118.6	2113.7	2112.4	2094.8	2071.3	2059.6	2054.7
170°	2112.4	2112.4	2112.4	2112.4	2112.4	2112.4	2112.4	2094.8	2071.3	2059.6	2059.2
172.5°	2101.3	2100.2	2095.8	2091.5	2095.8	2100.2	2101.3	2087.4	2068.9	2059.6	2059.6
175°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2077.2	2065.5	2059.6	2062.4
177.5°	2083.2	2082.0	2077.0	2072.1	2077.0	2082.0	2083.2	2076.2	2067.0	2062.4	2064.5
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1880.6	1889.6	1895.0	1902.2	1920.2
5°	1808.5	1842.7	1853.6	1880.6	1913.0
7.5°	1650.1	1754.5	1783.3	1848.2	1898.6
10°	1496.9	1601.4	1651.9	1804.9	1880.6
12.5°	1419.4	1480.7	1515.0	1729.3	1855.4
15°	1370.8	1414.1	1439.3	1628.4	1826.5
17.5°	1332.9	1363.6	1381.6	1529.4	1787.0
20°	1309.6	1324.0	1340.2	1457.3	1741.9
22.5°	1293.4	1284.3	1296.9	1406.8	1680.7
25°	1282.5	1248.3	1262.7	1367.2	1608.6
27.5°	1291.6	1215.9	1221.3	1331.1	1533.0
30°	1293.4	1176.3	1178.1	1293.4	1448.3
32.5°	1280.7	1134.8	1136.6	1246.5	1352.8
35°	1250.1	1086.2	1084.4	1192.5	1223.1
37.5°	1208.7	1034.0	1034.0	1133.0	1080.8
40°	1158.3	981.7	987.2	1055.6	954.7
42.5°	1097.0	925.8	933.1	952.9	861.0
45°	1030.3	871.9	877.2	805.2	788.9
47.5°	956.5	816.0	817.8	668.3	765.6
50°	868.3	758.3	751.2	572.8	763.8
52.5°	790.7	695.3	673.7	518.7	693.5
55°	715.1	628.7	581.9	477.4	643.1
57.5°	648.5	542.2	497.2	428.7	632.3
60°	587.2	457.5	423.3	376.5	580.1
62.5°	536.8	394.5	387.3	340.5	526.0
65°	482.8	351.2	349.4	309.9	446.8
67.5°	430.6	322.4	320.6	281.0	340.5
70°	374.7	291.8	288.2	250.4	252.2
72.5°	317.0	257.6	254.0	225.2	209.0
75°	259.4	217.9	216.1	196.3	169.3
77.5°	203.6	172.9	176.6	158.6	124.3
80°	145.9	126.1	129.7	113.5	93.6
82.5°	97.2	82.9	86.5	72.1	63.0
85°	54.1	46.8	48.6	37.9	28.8
87.5°	25.2	21.6	21.6	14.4	9.0
90°	61.1	38.9	36.2	25.0	13.9
92.5°	377.4	268.4	244.8	150.1	55.6
95°	928.4	522.9	479.6	306.6	133.5
97.5°	1250.7	574.3	536.2	383.5	230.8
100°	1367.9	617.5	582.8	444.4	305.9
102.5°	1421.8	660.6	628.2	499.1	369.9
105°	1461.6	724.6	697.2	587.8	478.4
107.5°	1469.0	819.1	793.6	691.6	589.7
110°	1457.8	871.9	848.9	756.8	664.8



TEST NUMBER: P935454

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1458.3	935.9	913.9	826.2	738.5
115°	1471.8	1031.8	1011.6	930.6	849.7
117.5°	1499.1	1125.0	1106.7	1033.1	959.6
120°	1521.4	1179.3	1162.0	1092.7	1023.5
122.5°	1553.4	1243.2	1225.8	1155.9	1086.1
125°	1596.5	1325.3	1309.4	1245.7	1182.1
127.5°	1639.6	1404.6	1388.5	1324.3	1260.0
130°	1671.1	1457.4	1440.1	1370.9	1301.7
132.5°	1696.6	1500.5	1483.3	1414.0	1344.8
135°	1724.5	1550.6	1534.8	1471.8	1408.8
137.5°	1766.1	1614.5	1598.9	1536.5	1474.1
140°	1791.6	1657.7	1643.3	1585.8	1528.3
142.5°	1812.9	1689.6	1676.4	1623.2	1570.0
145°	1840.8	1738.3	1726.8	1680.4	1634.0
147.5°	1881.6	1799.5	1788.2	1743.1	1698.0
150°	1902.9	1831.5	1821.3	1780.5	1739.7
152.5°	1916.9	1852.4	1844.7	1813.7	1782.8
155°	1947.4	1898.2	1892.5	1869.7	1846.8
157.5°	1978.0	1944.2	1938.6	1916.3	1894.1
160°	1991.9	1965.0	1960.7	1943.4	1926.1
162.5°	2006.8	1987.2	1984.0	1971.0	1958.0
165°	2028.1	2019.2	2016.2	2004.5	1992.8
167.5°	2044.7	2037.3	2035.9	2030.4	2024.8
170°	2058.6	2058.1	2056.8	2051.2	2045.7
172.5°	2059.6	2059.6	2059.3	2058.1	2056.8
175°	2067.9	2072.1	2072.1	2072.1	2072.1
177.5°	2068.9	2072.1	2072.1	2072.1	2072.1
180°	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935454
 CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3500K

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	8.32	9.00	9.45	10.13	11.69	11.17	11.85	12.30	12.98	14.55
	3H	8.78	9.39	9.92	10.53	12.11	12.51	13.12	13.65	14.25	15.84
	4H	8.96	9.55	10.11	10.68	12.27	12.95	13.53	14.10	14.66	16.25
	6H	9.07	9.61	10.23	10.74	12.34	13.23	13.76	14.39	14.90	16.50
	8H	9.07	9.58	10.23	10.73	12.32	13.30	13.81	14.46	14.96	16.55
	12H	9.03	9.52	10.20	10.66	12.28	13.34	13.82	14.50	14.96	16.58
4H	2H	9.33	9.92	10.49	11.05	12.64	11.55	12.14	12.71	13.27	14.86
	3H	10.34	10.83	11.51	11.99	13.59	13.05	13.54	14.21	14.70	16.29
	4H	10.61	11.06	11.78	12.21	13.83	13.58	14.02	14.74	15.17	16.79
	6H	10.73	11.11	11.90	12.28	13.89	13.94	14.32	15.11	15.49	17.10
	8H	10.73	11.09	11.90	12.25	13.87	14.04	14.40	15.21	15.56	17.19
	12H	10.69	11.01	11.87	12.18	13.81	14.09	14.42	15.28	15.59	17.22
8H	4H	11.05	11.41	12.22	12.57	14.20	13.68	14.04	14.85	15.20	16.83
	6H	11.31	11.60	12.50	12.81	14.43	14.12	14.41	15.31	15.62	17.24
	8H	11.35	11.61	12.54	12.79	14.43	14.27	14.53	15.47	15.71	17.35
	12H	11.33	11.55	12.52	12.73	14.41	14.37	14.59	15.57	15.77	17.45
12H	4H	11.05	11.38	12.24	12.55	14.18	13.64	13.96	14.83	15.14	16.77
	6H	11.37	11.63	12.56	12.81	14.45	14.12	14.37	15.31	15.55	17.20
	8H	11.43	11.65	12.63	12.83	14.51	14.27	14.50	15.47	15.68	17.35