

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: P935453

Luminaire Tested: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935453
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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

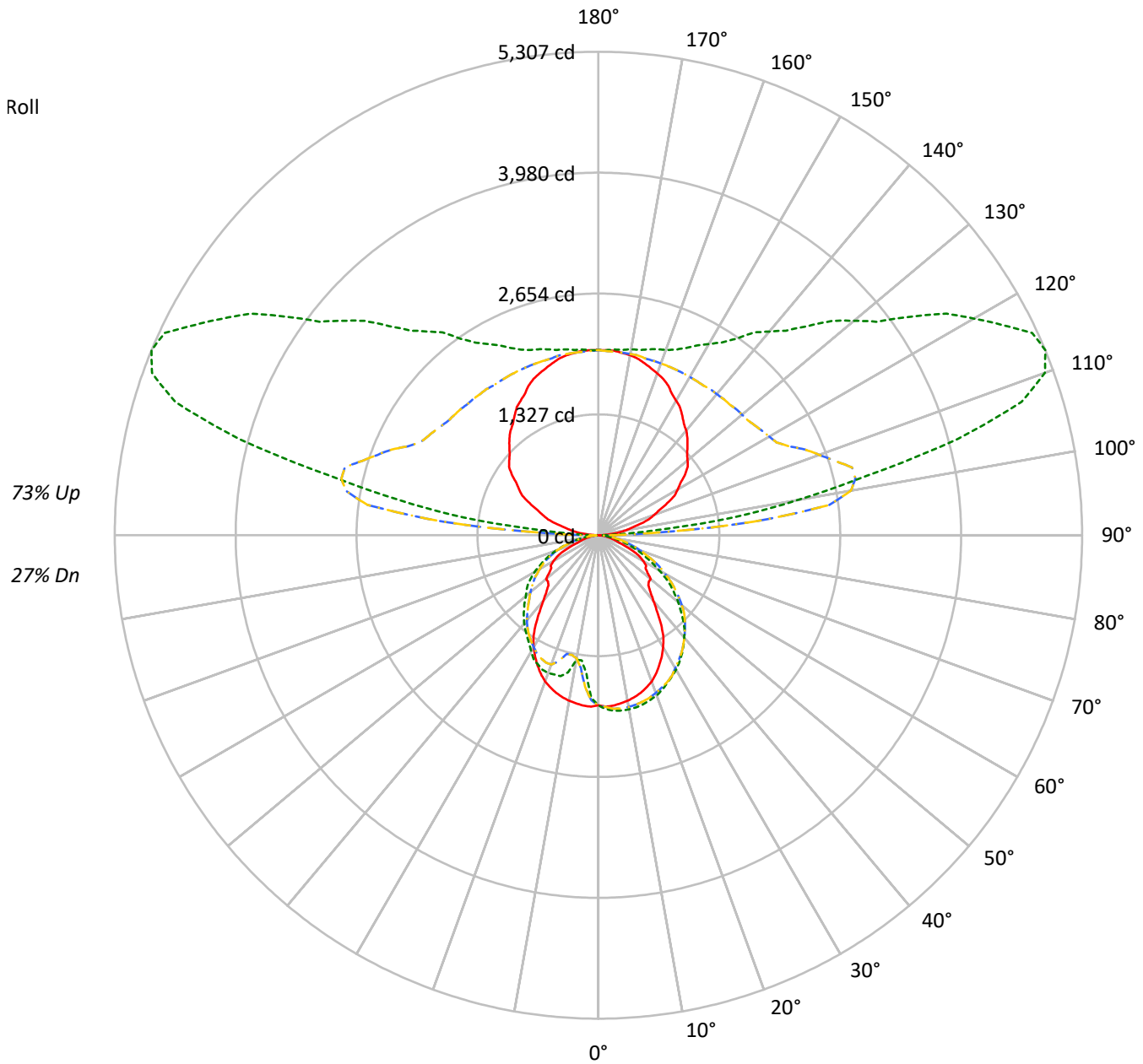
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18028.0 lumens
Efficiency: N/A
Efficacy: 126.2 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: P935453
CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

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	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27				
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29	23				
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25	19				
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21	16				
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18	14				
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12				
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10				
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12	9				
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8				
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10	7				
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9	7				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5777	5777	5777	5777
5°	5823	5832	5823	4586
10°	5786	5745	5786	4107
15°	5725	5620	5725	4693
20°	5608	5473	5608	4703
25°	5365	5258	5365	4603
30°	5050	5079	5050	4384
35°	4504	4853	4504	4144
40°	3755	4587	3755	3962
45°	3358	4276	3358	3753
50°	3570	3905	3570	3543
55°	3362	3506	3362	3422
60°	3470	2977	3470	3135
65°	3152	2461	3152	2751
70°	2187	1962	2187	2306
75°	1925	1450	1925	1736
80°	1563	959	1563	1044
85°	917	508	917	432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5143 cd/sqm



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	0.9
10°-20°	478.7	2.7
20°-30°	740.0	4.1
30°-40°	883.4	4.9
40°-50°	888.6	4.9
50°-60°	773.2	4.3
60°-70°	548.2	3.0
70°-80°	290.0	1.6
80°-90°	80.0	0.4
90°-100°	990.8	5.5
100°-110°	2605.0	14.4
110°-120°	2701.1	15.0
120°-130°	2166.6	12.0
130°-140°	1700.0	9.4
140°-150°	1304.8	7.2
150°-160°	939.7	5.2
160°-170°	575.0	3.2
170°-180°	194.2	1.1
0°-30°	1387.3	7.7
0°-40°	2270.7	12.6
0°-60°	3932.5	21.8
0°-90°	4850.7	26.9
90°-120°	6296.9	34.9
90°-150°	11468.4	63.6
90°-180°	13177.0	73.1
0°-180°	18028.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1868	1868	1868	1868	1868	
5°	1877	1935	1877	1522	1877	178
15°	1792	1917	1792	1601	1792	504
25°	1578	1788	1578	1566	1578	725
35°	1200	1596	1200	1362	1200	742
45°	774	1315	774	1154	774	620
55°	631	970	631	947	631	580
65°	438	585	438	654	438	419
75°	166	278	166	332	166	175
85°	28	71	28	60	28	38
90°	14	52	14	52	14	12
95°	131	599	131	599	131	145
105°	469	4079	469	4079	469	498
115°	834	5252	834	5252	834	823
125°	1160	4183	1160	4183	1160	1030
135°	1382	3246	1382	3246	1382	1069
145°	1603	2633	1603	2633	1603	1004
155°	1812	2267	1812	2267	1812	832
165°	1955	2112	1955	2112	1955	552
175°	2033	2046	2033	2046	2033	193
180°	2033	2033	2033	2033	2033	



TEST NUMBER: P935453
 CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1883.7	1883.7	1894.3	1897.8	1897.8	1892.6	1887.3	1892.6	1908.5	1913.7	1912.0
5°	1876.7	1890.8	1910.2	1913.7	1917.3	1915.6	1912.0	1915.6	1933.2	1936.7	1938.5
7.5°	1862.5	1889.0	1913.7	1919.1	1924.4	1919.1	1917.3	1920.8	1938.5	1942.0	1942.0
10°	1844.9	1881.9	1910.2	1913.7	1919.1	1913.7	1913.7	1920.8	1938.5	1942.0	1943.9
12.5°	1820.1	1871.4	1897.8	1901.4	1908.5	1906.7	1904.9	1912.0	1929.7	1933.2	1933.2
15°	1791.8	1851.9	1876.7	1880.2	1892.6	1889.0	1889.0	1896.1	1915.6	1920.8	1919.1
17.5°	1753.0	1827.2	1855.5	1860.8	1869.6	1867.8	1869.6	1876.7	1894.3	1897.8	1899.7
20°	1708.8	1793.6	1827.2	1832.5	1841.4	1841.4	1841.4	1850.1	1867.8	1874.9	1874.9
22.5°	1648.7	1758.3	1793.6	1797.2	1807.7	1807.7	1811.3	1823.6	1839.5	1841.4	1841.4
25°	1578.0	1719.4	1749.4	1760.0	1770.7	1775.9	1781.3	1788.3	1793.6	1791.8	1793.6
27.5°	1503.8	1669.9	1708.8	1715.8	1730.0	1735.3	1742.4	1744.1	1745.9	1751.2	1747.6
30°	1420.7	1601.0	1659.3	1666.4	1689.3	1692.9	1685.8	1689.3	1698.2	1701.7	1705.2
32.5°	1327.1	1498.5	1608.1	1624.0	1645.1	1634.6	1632.8	1638.1	1652.3	1652.3	1655.8
35°	1199.8	1419.0	1560.4	1574.5	1590.4	1578.0	1585.1	1586.8	1595.7	1601.0	1599.2
37.5°	1060.3	1350.0	1510.9	1521.5	1533.9	1518.0	1528.5	1533.9	1540.9	1537.4	1537.4
40°	936.5	1242.3	1452.5	1459.6	1470.2	1457.9	1468.4	1472.0	1475.5	1472.0	1470.2
42.5°	844.7	1123.9	1390.7	1399.6	1392.5	1401.3	1404.8	1412.0	1406.6	1399.6	1399.6
45°	774.0	1092.1	1323.6	1334.1	1323.6	1337.7	1343.0	1343.0	1327.1	1323.6	1321.8
47.5°	751.0	1028.5	1256.4	1256.4	1251.1	1268.8	1277.6	1265.3	1249.4	1244.0	1244.0
50°	749.3	957.8	1164.5	1157.4	1182.2	1203.4	1194.6	1182.2	1169.8	1150.4	1150.4
52.5°	680.3	871.2	1046.1	1072.7	1111.5	1123.9	1109.7	1097.3	1076.2	1067.3	1060.3
55°	630.9	781.1	938.3	991.3	1032.0	1047.9	1021.4	1009.0	977.2	971.9	968.4
57.5°	620.3	650.3	839.4	906.5	956.0	954.3	938.3	915.4	888.8	883.6	881.8
60°	569.1	470.1	733.4	812.9	864.1	858.8	844.7	823.5	798.7	795.2	791.7
62.5°	516.0	341.0	613.1	703.3	775.7	774.0	761.7	729.8	712.1	703.3	696.2
65°	438.3	286.2	436.5	584.9	689.2	692.7	666.2	643.3	623.8	613.1	611.4
67.5°	334.0	233.3	295.1	487.7	606.1	602.6	569.1	558.4	533.7	528.4	517.8
70°	247.4	155.5	205.0	395.9	524.9	516.0	489.5	477.1	454.2	441.8	434.7
72.5°	205.0	125.4	150.2	307.5	441.8	431.2	408.2	394.1	374.6	364.1	356.9
75°	166.1	132.5	114.9	227.9	358.7	351.7	330.4	316.3	300.4	286.2	288.0
77.5°	121.9	123.7	91.9	167.8	284.5	273.9	261.6	243.9	236.8	222.6	222.6
80°	91.9	97.2	68.9	114.9	205.0	205.0	194.4	182.0	169.6	162.6	162.6
82.5°	61.8	61.8	51.2	72.5	139.6	134.3	127.3	123.7	116.6	113.1	113.1
85°	28.3	35.3	31.8	44.2	76.0	79.5	79.5	76.0	74.2	70.7	72.5
87.5°	8.9	15.9	19.4	24.8	38.9	40.7	42.4	42.4	42.4	44.2	44.2
90°	13.6	24.5	35.5	38.2	60.0	89.1	103.6	92.1	69.1	51.8	51.8
92.5°	54.5	147.3	240.1	263.3	370.2	512.7	583.9	511.7	367.4	259.2	248.9
95°	131.0	300.7	470.5	512.9	910.8	1441.4	1706.6	1522.9	1155.5	880.0	848.7
97.5°	226.4	376.2	526.0	563.4	1226.9	2111.5	2553.8	2437.7	2205.5	2031.3	1971.9
100°	300.1	436.0	571.8	605.8	1342.0	2323.6	2814.4	2822.9	2839.9	2852.6	2781.8
102.5°	362.9	489.7	616.3	648.0	1394.7	2390.3	2888.1	3036.0	3331.9	3553.9	3493.3
105°	469.3	576.6	683.9	710.8	1433.8	2397.8	2879.9	3211.5	3874.9	4372.4	4339.8
107.5°	578.4	678.5	778.5	803.6	1441.1	2291.2	2716.2	3178.8	4104.0	4798.0	4805.9
110°	652.1	742.4	832.8	855.4	1430.1	2196.5	2579.7	3097.0	4131.4	4907.2	4941.1



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	724.4	810.5	896.6	918.1	1430.6	2114.0	2455.6	2985.0	4043.6	4837.6	4889.8
115°	833.5	912.9	992.4	1012.2	1443.8	2019.2	2306.9	2816.9	3836.7	4601.6	4673.9
117.5°	941.4	1013.5	1085.7	1103.7	1470.6	1959.9	2204.6	2664.9	3585.2	4275.5	4355.7
120°	1004.1	1072.0	1139.9	1156.9	1492.5	1940.0	2163.7	2584.2	3425.2	4055.9	4133.8
122.5°	1065.5	1134.0	1202.5	1219.6	1523.9	1929.5	2132.3	2511.0	3268.2	3836.2	3913.1
125°	1159.6	1222.1	1284.5	1300.1	1566.2	1920.8	2098.2	2419.8	3063.2	3545.6	3616.4
127.5°	1236.0	1299.1	1362.2	1377.9	1608.4	1915.8	2069.5	2345.7	2898.0	3312.3	3372.1
130°	1277.0	1344.9	1412.7	1429.7	1639.3	1918.9	2058.6	2304.5	2796.2	3165.0	3220.2
132.5°	1319.2	1387.1	1455.1	1472.0	1664.4	1920.8	2049.1	2269.2	2709.4	3039.5	3089.0
135°	1382.0	1443.8	1505.7	1521.1	1691.7	1919.1	2032.7	2217.1	2585.7	2862.2	2904.8
137.5°	1446.1	1507.3	1568.6	1583.8	1732.5	1930.9	2030.0	2185.8	2497.4	2731.2	2766.0
140°	1499.3	1555.6	1612.0	1626.2	1757.6	1932.8	2020.4	2155.0	2424.2	2626.1	2658.7
142.5°	1540.2	1592.4	1644.5	1657.5	1778.5	1939.8	2020.4	2138.7	2375.2	2552.5	2580.5
145°	1603.0	1648.5	1694.0	1705.3	1805.8	1939.8	2006.8	2103.5	2296.9	2441.9	2463.2
147.5°	1665.7	1710.0	1754.2	1765.3	1845.8	1953.2	2006.8	2082.9	2235.1	2349.2	2366.8
150°	1706.6	1746.7	1786.7	1796.7	1866.7	1960.1	2006.8	2071.1	2199.6	2296.0	2310.2
152.5°	1749.0	1779.3	1809.7	1817.2	1880.4	1964.7	2006.8	2061.7	2171.4	2253.7	2264.5
155°	1811.7	1834.2	1856.6	1862.2	1910.4	1974.7	2006.8	2050.5	2137.8	2203.2	2210.3
157.5°	1858.1	1879.9	1901.8	1907.2	1940.4	1984.7	2006.8	2040.7	2108.6	2159.6	2164.6
160°	1889.5	1906.4	1923.5	1927.7	1954.0	1989.3	2006.8	2035.9	2094.1	2137.8	2140.7
162.5°	1920.8	1933.6	1946.3	1949.5	1968.6	1994.1	2006.8	2031.4	2080.5	2117.3	2120.0
165°	1954.9	1966.4	1977.9	1980.8	1989.5	2001.0	2006.8	2024.4	2059.5	2085.9	2088.8
167.5°	1986.4	1991.8	1997.3	1998.6	2005.9	2015.6	2020.4	2031.9	2055.0	2072.3	2073.5
170°	2006.8	2012.3	2017.7	2019.0	2019.5	2020.1	2020.4	2031.9	2055.0	2072.3	2072.3
172.5°	2017.7	2019.0	2020.2	2020.4	2020.4	2020.4	2020.4	2029.6	2047.8	2061.4	2060.3
175°	2032.7	2032.7	2032.7	2032.7	2028.6	2023.2	2020.4	2026.2	2037.7	2046.4	2046.4
177.5°	2032.7	2032.7	2032.7	2032.7	2029.6	2025.3	2023.2	2027.7	2036.8	2043.6	2042.4
180°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1915.6	1910.2	1915.6	1912.0	1913.7	1908.5	1892.6	1887.3	1892.6	1897.8	1897.8
5°	1938.5	1935.0	1938.5	1938.5	1936.7	1933.2	1915.6	1912.0	1915.6	1917.3	1913.7
7.5°	1945.6	1940.3	1945.6	1942.0	1942.0	1938.5	1920.8	1917.3	1919.1	1924.4	1919.1
10°	1945.6	1940.3	1945.6	1943.9	1942.0	1938.5	1920.8	1913.7	1913.7	1919.1	1913.7
12.5°	1936.7	1933.2	1936.7	1933.2	1933.2	1929.7	1912.0	1904.9	1906.7	1908.5	1901.4
15°	1922.6	1917.3	1922.6	1919.1	1920.8	1915.6	1896.1	1889.0	1889.0	1892.6	1880.2
17.5°	1901.4	1894.3	1901.4	1899.7	1897.8	1894.3	1876.7	1869.6	1867.8	1869.6	1860.8
20°	1876.7	1871.4	1876.7	1874.9	1874.9	1867.8	1850.1	1841.4	1841.4	1841.4	1832.5
22.5°	1837.8	1832.5	1837.8	1841.4	1841.4	1839.5	1823.6	1811.3	1807.7	1807.7	1797.2
25°	1793.6	1788.3	1793.6	1793.6	1791.8	1793.6	1788.3	1781.3	1775.9	1770.7	1760.0
27.5°	1751.2	1747.6	1751.2	1747.6	1751.2	1745.9	1744.1	1742.4	1735.3	1730.0	1715.8
30°	1708.8	1705.2	1708.8	1705.2	1701.7	1698.2	1689.3	1685.8	1692.9	1689.3	1666.4
32.5°	1655.8	1652.3	1655.8	1655.8	1652.3	1652.3	1638.1	1632.8	1634.6	1645.1	1624.0
35°	1601.0	1595.7	1601.0	1599.2	1601.0	1595.7	1586.8	1585.1	1578.0	1590.4	1574.5
37.5°	1537.4	1532.1	1537.4	1537.4	1537.4	1540.9	1533.9	1528.5	1518.0	1533.9	1521.5
40°	1472.0	1464.9	1472.0	1470.2	1472.0	1475.5	1472.0	1468.4	1457.9	1470.2	1459.6
42.5°	1397.8	1396.0	1397.8	1399.6	1399.6	1406.6	1412.0	1404.8	1401.3	1392.5	1399.6
45°	1318.2	1314.7	1318.2	1321.8	1323.6	1327.1	1343.0	1343.0	1337.7	1323.6	1334.1
47.5°	1233.4	1224.6	1233.4	1244.0	1244.0	1249.4	1265.3	1277.6	1268.8	1251.1	1256.4
50°	1143.3	1145.0	1143.3	1150.4	1150.4	1169.8	1182.2	1194.6	1203.4	1182.2	1157.4
52.5°	1054.9	1053.2	1054.9	1060.3	1067.3	1076.2	1097.3	1109.7	1123.9	1111.5	1072.7
55°	966.6	970.2	966.6	968.4	971.9	977.2	1009.0	1021.4	1047.9	1032.0	991.3
57.5°	878.2	872.9	878.2	881.8	883.6	888.8	915.4	938.3	954.3	956.0	906.5
60°	775.7	768.7	775.7	791.7	795.2	798.7	823.5	844.7	858.8	864.1	812.9
62.5°	685.6	673.3	685.6	696.2	703.3	712.1	729.8	761.7	774.0	775.7	703.3
65°	590.2	584.9	590.2	611.4	613.1	623.8	643.3	666.2	692.7	689.2	584.9
67.5°	503.6	503.6	503.6	517.8	528.4	533.7	558.4	569.1	602.6	606.1	487.7
70°	424.1	422.4	424.1	434.7	441.8	454.2	477.1	489.5	516.0	524.9	395.9
72.5°	348.2	346.3	348.2	356.9	364.1	374.6	394.1	408.2	431.2	441.8	307.5
75°	281.0	277.5	281.0	288.0	286.2	300.4	316.3	330.4	351.7	358.7	227.9
77.5°	215.6	215.6	215.6	222.6	222.6	236.8	243.9	261.6	273.9	284.5	167.8
80°	160.8	159.1	160.8	162.6	162.6	169.6	182.0	194.4	205.0	205.0	114.9
82.5°	113.1	109.5	113.1	113.1	113.1	116.6	123.7	127.3	134.3	139.6	72.5
85°	70.7	70.7	70.7	72.5	70.7	74.2	76.0	79.5	79.5	76.0	44.2
87.5°	45.9	44.2	45.9	44.2	44.2	42.4	42.4	42.4	40.7	38.9	24.8
90°	51.8	51.8	51.8	51.8	51.8	69.1	92.1	103.6	89.1	60.0	38.2
92.5°	207.6	166.4	207.6	248.9	259.2	367.4	511.7	583.9	512.7	370.2	263.3
95°	723.8	598.9	723.8	848.7	880.0	1155.5	1522.9	1706.6	1441.4	910.8	512.9
97.5°	1734.2	1496.5	1734.2	1971.9	2031.3	2205.5	2437.7	2553.8	2111.5	1226.9	563.4
100°	2498.7	2215.5	2498.7	2781.8	2852.6	2839.9	2822.9	2814.4	2323.6	1342.0	605.8
102.5°	3250.7	3008.2	3250.7	3493.3	3553.9	3331.9	3036.0	2888.1	2390.3	1394.7	648.0
105°	4209.4	4079.1	4209.4	4339.8	4372.4	3874.9	3211.5	2879.9	2397.8	1433.8	710.8
107.5°	4837.4	4868.9	4837.4	4805.9	4798.0	4104.0	3178.8	2716.2	2291.2	1441.1	803.6
110°	5076.9	5212.7	5076.9	4941.1	4907.2	4131.4	3097.0	2579.7	2196.5	1430.1	855.4



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5098.3	5306.9	5098.3	4889.8	4837.6	4043.6	2985.0	2455.6	2114.0	1430.6	918.1
115°	4963.1	5252.3	4963.1	4673.9	4601.6	3836.7	2816.9	2306.9	2019.2	1443.8	1012.2
117.5°	4676.4	4997.2	4676.4	4355.7	4275.5	3585.2	2664.9	2204.6	1959.9	1470.6	1103.7
120°	4445.4	4757.1	4445.4	4133.8	4055.9	3425.2	2584.2	2163.7	1940.0	1492.5	1156.9
122.5°	4220.5	4527.9	4220.5	3913.1	3836.2	3268.2	2511.0	2132.3	1929.5	1523.9	1219.6
125°	3899.6	4182.7	3899.6	3616.4	3545.6	3063.2	2419.8	2098.2	1920.8	1566.2	1300.1
127.5°	3611.0	3849.9	3611.0	3372.1	3312.3	2898.0	2345.7	2069.5	1915.8	1608.4	1377.9
130°	3440.9	3661.6	3440.9	3220.2	3165.0	2796.2	2304.5	2058.6	1918.9	1639.3	1429.7
132.5°	3286.6	3484.2	3286.6	3089.0	3039.5	2709.4	2269.2	2049.1	1920.8	1664.4	1472.0
135°	3075.1	3245.5	3075.1	2904.8	2862.2	2585.7	2217.1	2032.7	1919.1	1691.7	1521.1
137.5°	2905.5	3045.0	2905.5	2766.0	2731.2	2497.4	2185.8	2030.0	1930.9	1732.5	1583.8
140°	2789.1	2919.5	2789.1	2658.7	2626.1	2424.2	2155.0	2020.4	1932.8	1757.6	1626.2
142.5°	2692.7	2804.9	2692.7	2580.5	2552.5	2375.2	2138.7	2020.4	1939.8	1778.5	1657.5
145°	2548.0	2633.0	2548.0	2463.2	2441.9	2296.9	2103.5	2006.8	1939.8	1805.8	1705.3
147.5°	2437.1	2507.5	2437.1	2366.8	2349.2	2235.1	2082.9	2006.8	1953.2	1845.8	1765.3
150°	2367.3	2424.3	2367.3	2310.2	2296.0	2199.6	2071.1	2006.8	1960.1	1866.7	1796.7
152.5°	2307.6	2350.6	2307.6	2264.5	2253.7	2171.4	2061.7	2006.8	1964.7	1880.4	1817.2
155°	2238.9	2267.3	2238.9	2210.3	2203.2	2137.8	2050.5	2006.8	1974.7	1910.4	1862.2
157.5°	2184.6	2204.6	2184.6	2164.6	2159.6	2108.6	2040.7	2006.8	1984.7	1940.4	1907.2
160°	2152.2	2163.7	2152.2	2140.7	2137.8	2094.1	2035.9	2006.8	1989.3	1954.0	1927.7
162.5°	2130.9	2141.8	2130.9	2120.0	2117.3	2080.5	2031.4	2006.8	1994.1	1968.6	1949.5
165°	2100.3	2111.9	2100.3	2088.8	2085.9	2059.5	2024.4	2006.8	2001.0	1989.5	1980.8
167.5°	2078.3	2083.2	2078.3	2073.5	2072.3	2055.0	2031.9	2020.4	2015.6	2005.9	1998.6
170°	2072.3	2072.3	2072.3	2072.3	2072.3	2055.0	2031.9	2020.4	2020.1	2019.5	2019.0
172.5°	2056.0	2051.8	2056.0	2060.3	2061.4	2047.8	2029.6	2020.4	2020.4	2020.4	2020.4
175°	2046.4	2046.4	2046.4	2046.4	2046.4	2037.7	2026.2	2020.4	2023.2	2028.6	2032.7
177.5°	2037.6	2032.7	2037.6	2042.4	2043.6	2036.8	2027.7	2023.2	2025.3	2029.6	2032.7
180°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7



TEST NUMBER: P935453
 CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1894.3	1883.7	1883.7	1866.0	1859.0	1853.7	1844.9	1818.3	1811.3	1804.2	1814.8
5°	1910.2	1890.8	1876.7	1844.9	1818.3	1807.7	1774.2	1710.6	1668.2	1636.4	1618.7
7.5°	1913.7	1889.0	1862.5	1813.1	1749.4	1721.1	1618.7	1502.1	1470.2	1442.0	1424.3
10°	1910.2	1881.9	1844.9	1770.7	1620.5	1570.9	1468.4	1392.5	1373.0	1367.8	1373.0
12.5°	1897.8	1871.4	1820.1	1696.4	1486.2	1452.5	1392.5	1348.3	1344.8	1353.6	1401.3
15°	1876.7	1851.9	1791.8	1597.5	1412.0	1387.2	1344.8	1328.9	1348.3	1410.1	1553.3
17.5°	1855.5	1827.2	1753.0	1500.3	1355.4	1337.7	1307.6	1339.5	1449.0	1532.1	1579.8
20°	1827.2	1793.6	1708.8	1429.6	1314.7	1298.8	1284.7	1427.9	1510.9	1540.9	1567.4
22.5°	1793.6	1758.3	1648.7	1380.1	1272.3	1259.9	1268.8	1477.3	1510.9	1532.1	1555.0
25°	1749.4	1719.4	1578.0	1341.3	1238.8	1224.6	1258.2	1472.0	1491.4	1496.7	1542.6
27.5°	1708.8	1669.9	1503.8	1305.9	1198.1	1192.8	1267.0	1449.0	1463.2	1468.4	1518.0
30°	1659.3	1601.0	1420.7	1268.8	1155.7	1153.9	1268.8	1420.7	1417.2	1431.4	1480.8
32.5°	1608.1	1498.5	1327.1	1222.9	1115.0	1113.2	1256.4	1378.3	1374.8	1394.2	1431.4
35°	1560.4	1419.0	1199.8	1169.8	1063.8	1065.6	1226.4	1328.9	1330.6	1348.3	1371.3
37.5°	1510.9	1350.0	1060.3	1111.5	1014.3	1014.3	1185.7	1282.9	1279.4	1284.7	1316.5
40°	1452.5	1242.3	936.5	1035.5	968.4	963.1	1136.3	1233.4	1221.1	1219.3	1263.4
42.5°	1390.7	1123.9	844.7	934.8	915.4	908.3	1076.2	1173.3	1150.4	1155.7	1212.2
45°	1323.6	1092.1	774.0	789.9	860.6	855.3	1010.7	1104.5	1088.6	1102.7	1161.0
47.5°	1256.4	1028.5	751.0	655.6	802.2	800.5	938.3	1037.3	1028.5	1042.6	1104.5
50°	1164.5	957.8	749.3	561.9	736.9	743.9	851.8	971.9	971.9	984.3	1049.7
52.5°	1046.1	871.2	680.3	508.9	660.9	682.1	775.7	915.4	918.9	931.3	989.6
55°	938.3	781.1	630.9	468.3	570.8	616.7	701.5	857.0	864.1	876.5	929.5
57.5°	839.4	650.3	620.3	420.5	487.7	531.9	636.2	800.5	804.0	814.6	865.9
60°	733.4	470.1	569.1	369.3	415.3	448.8	576.1	733.4	745.7	752.8	797.0
62.5°	613.1	341.0	516.0	334.0	380.0	387.0	526.6	669.7	685.6	691.0	717.5
65°	436.5	286.2	438.3	304.0	342.8	344.6	473.6	604.4	618.5	627.3	646.8
67.5°	295.1	233.3	334.0	275.7	314.5	316.3	422.4	528.4	547.8	554.9	567.2
70°	205.0	155.5	247.4	245.7	282.7	286.2	367.6	459.4	477.1	482.5	489.5
72.5°	150.2	125.4	205.0	220.9	249.2	252.7	311.0	381.7	399.4	404.6	408.2
75°	114.9	132.5	166.1	192.6	212.0	213.8	254.4	311.0	323.4	326.9	328.7
77.5°	91.9	123.7	121.9	155.5	173.2	169.6	199.7	240.3	250.9	250.9	250.9
80°	68.9	97.2	91.9	111.4	127.3	123.7	143.2	171.4	175.0	178.5	176.7
82.5°	51.2	61.8	61.8	70.7	84.8	81.3	95.4	111.4	111.4	111.4	114.9
85°	31.8	35.3	28.3	37.2	47.7	45.9	53.0	60.1	61.8	61.8	58.3
87.5°	19.4	15.9	8.9	14.1	21.2	21.2	24.8	26.5	24.8	24.8	24.8
90°	35.5	24.5	13.6	24.5	35.5	38.2	60.0	89.1	103.6	92.1	69.1
92.5°	240.1	147.3	54.5	147.3	240.1	263.3	370.2	512.7	583.9	511.7	367.4
95°	470.5	300.7	131.0	300.7	470.5	512.9	910.8	1441.4	1706.6	1522.9	1155.5
97.5°	526.0	376.2	226.4	376.2	526.0	563.4	1226.9	2111.5	2553.8	2437.7	2205.5
100°	571.8	436.0	300.1	436.0	571.8	605.8	1342.0	2323.6	2814.4	2822.9	2839.9
102.5°	616.3	489.7	362.9	489.7	616.3	648.0	1394.7	2390.3	2888.1	3036.0	3331.9
105°	683.9	576.6	469.3	576.6	683.9	710.8	1433.8	2397.8	2879.9	3211.5	3874.9
107.5°	778.5	678.5	578.4	678.5	778.5	803.6	1441.1	2291.2	2716.2	3178.8	4104.0
110°	832.8	742.4	652.1	742.4	832.8	855.4	1430.1	2196.5	2579.7	3097.0	4131.4



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	896.6	810.5	724.4	810.5	896.6	918.1	1430.6	2114.0	2455.6	2985.0	4043.6
115°	992.4	912.9	833.5	912.9	992.4	1012.2	1443.8	2019.2	2306.9	2816.9	3836.7
117.5°	1085.7	1013.5	941.4	1013.5	1085.7	1103.7	1470.6	1959.9	2204.6	2664.9	3585.2
120°	1139.9	1072.0	1004.1	1072.0	1139.9	1156.9	1492.5	1940.0	2163.7	2584.2	3425.2
122.5°	1202.5	1134.0	1065.5	1134.0	1202.5	1219.6	1523.9	1929.5	2132.3	2511.0	3268.2
125°	1284.5	1222.1	1159.6	1222.1	1284.5	1300.1	1566.2	1920.8	2098.2	2419.8	3063.2
127.5°	1362.2	1299.1	1236.0	1299.1	1362.2	1377.9	1608.4	1915.8	2069.5	2345.7	2898.0
130°	1412.7	1344.9	1277.0	1344.9	1412.7	1429.7	1639.3	1918.9	2058.6	2304.5	2796.2
132.5°	1455.1	1387.1	1319.2	1387.1	1455.1	1472.0	1664.4	1920.8	2049.1	2269.2	2709.4
135°	1505.7	1443.8	1382.0	1443.8	1505.7	1521.1	1691.7	1919.1	2032.7	2217.1	2585.7
137.5°	1568.6	1507.3	1446.1	1507.3	1568.6	1583.8	1732.5	1930.9	2030.0	2185.8	2497.4
140°	1612.0	1555.6	1499.3	1555.6	1612.0	1626.2	1757.6	1932.8	2020.4	2155.0	2424.2
142.5°	1644.5	1592.4	1540.2	1592.4	1644.5	1657.5	1778.5	1939.8	2020.4	2138.7	2375.2
145°	1694.0	1648.5	1603.0	1648.5	1694.0	1705.3	1805.8	1939.8	2006.8	2103.5	2296.9
147.5°	1754.2	1710.0	1665.7	1710.0	1754.2	1765.3	1845.8	1953.2	2006.8	2082.9	2235.1
150°	1786.7	1746.7	1706.6	1746.7	1786.7	1796.7	1866.7	1960.1	2006.8	2071.1	2199.6
152.5°	1809.7	1779.3	1749.0	1779.3	1809.7	1817.2	1880.4	1964.7	2006.8	2061.7	2171.4
155°	1856.6	1834.2	1811.7	1834.2	1856.6	1862.2	1910.4	1974.7	2006.8	2050.5	2137.8
157.5°	1901.8	1879.9	1858.1	1879.9	1901.8	1907.2	1940.4	1984.7	2006.8	2040.7	2108.6
160°	1923.5	1906.4	1889.5	1906.4	1923.5	1927.7	1954.0	1989.3	2006.8	2035.9	2094.1
162.5°	1946.3	1933.6	1920.8	1933.6	1946.3	1949.5	1968.6	1994.1	2006.8	2031.4	2080.5
165°	1977.9	1966.4	1954.9	1966.4	1977.9	1980.8	1989.5	2001.0	2006.8	2024.4	2059.5
167.5°	1997.3	1991.8	1986.4	1991.8	1997.3	1998.6	2005.9	2015.6	2020.4	2031.9	2055.0
170°	2017.7	2012.3	2006.8	2012.3	2017.7	2019.0	2019.5	2020.1	2020.4	2031.9	2055.0
172.5°	2020.2	2019.0	2017.7	2019.0	2020.2	2020.4	2020.4	2020.4	2020.4	2029.6	2047.8
175°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2028.6	2023.2	2020.4	2026.2	2037.7
177.5°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2029.6	2025.3	2023.2	2027.7	2036.8
180°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7



TEST NUMBER: P935453
 CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1802.4	1797.2	1804.2	1784.8	1804.2	1797.2	1802.4	1814.8	1804.2	1811.3	1818.3
5°	1581.6	1572.7	1544.5	1521.5	1544.5	1572.7	1581.6	1618.7	1636.4	1668.2	1710.6
7.5°	1413.7	1406.6	1399.6	1385.4	1399.6	1406.6	1413.7	1424.3	1442.0	1470.2	1502.1
10°	1376.6	1378.3	1388.9	1387.2	1388.9	1378.3	1376.6	1373.0	1367.8	1373.0	1392.5
12.5°	1472.0	1487.9	1546.2	1542.6	1546.2	1487.9	1472.0	1401.3	1353.6	1344.8	1348.3
15°	1581.6	1586.8	1599.2	1601.0	1599.2	1586.8	1581.6	1553.3	1410.1	1348.3	1328.9
17.5°	1592.2	1593.9	1602.7	1602.7	1602.7	1593.9	1592.2	1579.8	1532.1	1449.0	1339.5
20°	1583.3	1586.8	1604.6	1608.1	1604.6	1586.8	1583.3	1567.4	1540.9	1510.9	1427.9
22.5°	1579.8	1586.8	1601.0	1599.2	1601.0	1586.8	1579.8	1555.0	1532.1	1510.9	1477.3
25°	1562.1	1562.1	1563.9	1565.7	1563.9	1562.1	1562.1	1542.6	1496.7	1491.4	1472.0
27.5°	1525.0	1528.5	1539.1	1537.4	1539.1	1528.5	1525.0	1518.0	1468.4	1463.2	1449.0
30°	1491.4	1487.9	1479.1	1472.0	1479.1	1487.9	1491.4	1480.8	1431.4	1417.2	1420.7
32.5°	1434.9	1426.0	1417.2	1412.0	1417.2	1426.0	1434.9	1431.4	1394.2	1374.8	1378.3
35°	1367.8	1369.5	1367.8	1362.4	1367.8	1369.5	1367.8	1371.3	1348.3	1330.6	1328.9
37.5°	1320.0	1323.6	1321.8	1314.7	1321.8	1323.6	1320.0	1316.5	1284.7	1279.4	1282.9
40°	1270.6	1272.3	1270.6	1265.3	1270.6	1272.3	1270.6	1263.4	1219.3	1221.1	1233.4
42.5°	1222.9	1221.1	1215.7	1212.2	1215.7	1221.1	1222.9	1212.2	1155.7	1150.4	1173.3
45°	1168.1	1169.8	1159.2	1153.9	1159.2	1169.8	1168.1	1161.0	1102.7	1088.6	1104.5
47.5°	1113.2	1113.2	1104.5	1099.1	1104.5	1113.2	1113.2	1104.5	1042.6	1028.5	1037.3
50°	1054.9	1053.2	1040.8	1039.0	1040.8	1053.2	1054.9	1049.7	984.3	971.9	971.9
52.5°	987.8	987.8	989.6	993.1	989.6	987.8	987.8	989.6	931.3	918.9	915.4
55°	929.5	931.3	943.6	947.2	943.6	931.3	929.5	929.5	876.5	864.1	857.0
57.5°	869.4	869.4	878.2	878.2	878.2	869.4	869.4	865.9	814.6	804.0	800.5
60°	800.5	804.0	811.1	809.4	811.1	804.0	800.5	797.0	752.8	745.7	733.4
62.5°	728.0	731.6	733.4	729.8	733.4	731.6	728.0	717.5	691.0	685.6	669.7
65°	652.1	655.6	657.3	653.8	657.3	655.6	652.1	646.8	627.3	618.5	604.4
67.5°	574.3	572.6	570.8	577.8	570.8	572.6	574.3	567.2	554.9	547.8	528.4
70°	494.7	494.7	493.0	496.6	493.0	494.7	494.7	489.5	482.5	477.1	459.4
72.5°	410.0	408.2	415.3	410.0	415.3	408.2	410.0	408.2	404.6	399.4	381.7
75°	326.9	330.4	326.9	332.2	326.9	330.4	326.9	328.7	326.9	323.4	311.0
77.5°	249.2	252.7	249.2	249.2	249.2	252.7	249.2	250.9	250.9	250.9	240.3
80°	176.7	175.0	175.0	173.2	175.0	175.0	176.7	176.7	178.5	175.0	171.4
82.5°	113.1	111.4	111.4	114.9	111.4	111.4	113.1	114.9	111.4	111.4	111.4
85°	61.8	63.6	60.1	60.1	60.1	63.6	61.8	58.3	61.8	61.8	60.1
87.5°	23.0	21.2	21.2	21.2	21.2	21.2	23.0	24.8	24.8	24.8	26.5
90°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	69.1	92.1	103.6	89.1
92.5°	259.2	248.9	207.6	166.4	207.6	248.9	259.2	367.4	511.7	583.9	512.7
95°	880.0	848.7	723.8	598.9	723.8	848.7	880.0	1155.5	1522.9	1706.6	1441.4
97.5°	2031.3	1971.9	1734.2	1496.5	1734.2	1971.9	2031.3	2205.5	2437.7	2553.8	2111.5
100°	2852.6	2781.8	2498.7	2215.5	2498.7	2781.8	2852.6	2839.9	2822.9	2814.4	2323.6
102.5°	3553.9	3493.3	3250.7	3008.2	3250.7	3493.3	3553.9	3331.9	3036.0	2888.1	2390.3
105°	4372.4	4339.8	4209.4	4079.1	4209.4	4339.8	4372.4	3874.9	3211.5	2879.9	2397.8
107.5°	4798.0	4805.9	4837.4	4868.9	4837.4	4805.9	4798.0	4104.0	3178.8	2716.2	2291.2
110°	4907.2	4941.1	5076.9	5212.7	5076.9	4941.1	4907.2	4131.4	3097.0	2579.7	2196.5



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4837.6	4889.8	5098.3	5306.9	5098.3	4889.8	4837.6	4043.6	2985.0	2455.6	2114.0
115°	4601.6	4673.9	4963.1	5252.3	4963.1	4673.9	4601.6	3836.7	2816.9	2306.9	2019.2
117.5°	4275.5	4355.7	4676.4	4997.2	4676.4	4355.7	4275.5	3585.2	2664.9	2204.6	1959.9
120°	4055.9	4133.8	4445.4	4757.1	4445.4	4133.8	4055.9	3425.2	2584.2	2163.7	1940.0
122.5°	3836.2	3913.1	4220.5	4527.9	4220.5	3913.1	3836.2	3268.2	2511.0	2132.3	1929.5
125°	3545.6	3616.4	3899.6	4182.7	3899.6	3616.4	3545.6	3063.2	2419.8	2098.2	1920.8
127.5°	3312.3	3372.1	3611.0	3849.9	3611.0	3372.1	3312.3	2898.0	2345.7	2069.5	1915.8
130°	3165.0	3220.2	3440.9	3661.6	3440.9	3220.2	3165.0	2796.2	2304.5	2058.6	1918.9
132.5°	3039.5	3089.0	3286.6	3484.2	3286.6	3089.0	3039.5	2709.4	2269.2	2049.1	1920.8
135°	2862.2	2904.8	3075.1	3245.5	3075.1	2904.8	2862.2	2585.7	2217.1	2032.7	1919.1
137.5°	2731.2	2766.0	2905.5	3045.0	2905.5	2766.0	2731.2	2497.4	2185.8	2030.0	1930.9
140°	2626.1	2658.7	2789.1	2919.5	2789.1	2658.7	2626.1	2424.2	2155.0	2020.4	1932.8
142.5°	2552.5	2580.5	2692.7	2804.9	2692.7	2580.5	2552.5	2375.2	2138.7	2020.4	1939.8
145°	2441.9	2463.2	2548.0	2633.0	2548.0	2463.2	2441.9	2296.9	2103.5	2006.8	1939.8
147.5°	2349.2	2366.8	2437.1	2507.5	2437.1	2366.8	2349.2	2235.1	2082.9	2006.8	1953.2
150°	2296.0	2310.2	2367.3	2424.3	2367.3	2310.2	2296.0	2199.6	2071.1	2006.8	1960.1
152.5°	2253.7	2264.5	2307.6	2350.6	2307.6	2264.5	2253.7	2171.4	2061.7	2006.8	1964.7
155°	2203.2	2210.3	2238.9	2267.3	2238.9	2210.3	2203.2	2137.8	2050.5	2006.8	1974.7
157.5°	2159.6	2164.6	2184.6	2204.6	2184.6	2164.6	2159.6	2108.6	2040.7	2006.8	1984.7
160°	2137.8	2140.7	2152.2	2163.7	2152.2	2140.7	2137.8	2094.1	2035.9	2006.8	1989.3
162.5°	2117.3	2120.0	2130.9	2141.8	2130.9	2120.0	2117.3	2080.5	2031.4	2006.8	1994.1
165°	2085.9	2088.8	2100.3	2111.9	2100.3	2088.8	2085.9	2059.5	2024.4	2006.8	2001.0
167.5°	2072.3	2073.5	2078.3	2083.2	2078.3	2073.5	2072.3	2055.0	2031.9	2020.4	2015.6
170°	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2055.0	2031.9	2020.4	2020.1
172.5°	2061.4	2060.3	2056.0	2051.8	2056.0	2060.3	2061.4	2047.8	2029.6	2020.4	2020.4
175°	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4	2046.4	2037.7	2026.2	2020.4	2023.2
177.5°	2043.6	2042.4	2037.6	2032.7	2037.6	2042.4	2043.6	2036.8	2027.7	2023.2	2025.3
180°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1844.9	1853.7	1859.0	1866.0	1883.7
5°	1774.2	1807.7	1818.3	1844.9	1876.7
7.5°	1618.7	1721.1	1749.4	1813.1	1862.5
10°	1468.4	1570.9	1620.5	1770.7	1844.9
12.5°	1392.5	1452.5	1486.2	1696.4	1820.1
15°	1344.8	1387.2	1412.0	1597.5	1791.8
17.5°	1307.6	1337.7	1355.4	1500.3	1753.0
20°	1284.7	1298.8	1314.7	1429.6	1708.8
22.5°	1268.8	1259.9	1272.3	1380.1	1648.7
25°	1258.2	1224.6	1238.8	1341.3	1578.0
27.5°	1267.0	1192.8	1198.1	1305.9	1503.8
30°	1268.8	1153.9	1155.7	1268.8	1420.7
32.5°	1256.4	1113.2	1115.0	1222.9	1327.1
35°	1226.4	1065.6	1063.8	1169.8	1199.8
37.5°	1185.7	1014.3	1014.3	1111.5	1060.3
40°	1136.3	963.1	968.4	1035.5	936.5
42.5°	1076.2	908.3	915.4	934.8	844.7
45°	1010.7	855.3	860.6	789.9	774.0
47.5°	938.3	800.5	802.2	655.6	751.0
50°	851.8	743.9	736.9	561.9	749.3
52.5°	775.7	682.1	660.9	508.9	680.3
55°	701.5	616.7	570.8	468.3	630.9
57.5°	636.2	531.9	487.7	420.5	620.3
60°	576.1	448.8	415.3	369.3	569.1
62.5°	526.6	387.0	380.0	334.0	516.0
65°	473.6	344.6	342.8	304.0	438.3
67.5°	422.4	316.3	314.5	275.7	334.0
70°	367.6	286.2	282.7	245.7	247.4
72.5°	311.0	252.7	249.2	220.9	205.0
75°	254.4	213.8	212.0	192.6	166.1
77.5°	199.7	169.6	173.2	155.5	121.9
80°	143.2	123.7	127.3	111.4	91.9
82.5°	95.4	81.3	84.8	70.7	61.8
85°	53.0	45.9	47.7	37.2	28.3
87.5°	24.8	21.2	21.2	14.1	8.9
90°	60.0	38.2	35.5	24.5	13.6
92.5°	370.2	263.3	240.1	147.3	54.5
95°	910.8	512.9	470.5	300.7	131.0
97.5°	1226.9	563.4	526.0	376.2	226.4
100°	1342.0	605.8	571.8	436.0	300.1
102.5°	1394.7	648.0	616.3	489.7	362.9
105°	1433.8	710.8	683.9	576.6	469.3
107.5°	1441.1	803.6	778.5	678.5	578.4
110°	1430.1	855.4	832.8	742.4	652.1



TEST NUMBER: P935453

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1430.6	918.1	896.6	810.5	724.4
115°	1443.8	1012.2	992.4	912.9	833.5
117.5°	1470.6	1103.7	1085.7	1013.5	941.4
120°	1492.5	1156.9	1139.9	1072.0	1004.1
122.5°	1523.9	1219.6	1202.5	1134.0	1065.5
125°	1566.2	1300.1	1284.5	1222.1	1159.6
127.5°	1608.4	1377.9	1362.2	1299.1	1236.0
130°	1639.3	1429.7	1412.7	1344.9	1277.0
132.5°	1664.4	1472.0	1455.1	1387.1	1319.2
135°	1691.7	1521.1	1505.7	1443.8	1382.0
137.5°	1732.5	1583.8	1568.6	1507.3	1446.1
140°	1757.6	1626.2	1612.0	1555.6	1499.3
142.5°	1778.5	1657.5	1644.5	1592.4	1540.2
145°	1805.8	1705.3	1694.0	1648.5	1603.0
147.5°	1845.8	1765.3	1754.2	1710.0	1665.7
150°	1866.7	1796.7	1786.7	1746.7	1706.6
152.5°	1880.4	1817.2	1809.7	1779.3	1749.0
155°	1910.4	1862.2	1856.6	1834.2	1811.7
157.5°	1940.4	1907.2	1901.8	1879.9	1858.1
160°	1954.0	1927.7	1923.5	1906.4	1889.5
162.5°	1968.6	1949.5	1946.3	1933.6	1920.8
165°	1989.5	1980.8	1977.9	1966.4	1954.9
167.5°	2005.9	1998.6	1997.3	1991.8	1986.4
170°	2019.5	2019.0	2017.7	2012.3	2006.8
172.5°	2020.4	2020.4	2020.2	2019.0	2017.7
175°	2028.6	2032.7	2032.7	2032.7	2032.7
177.5°	2029.6	2032.7	2032.7	2032.7	2032.7
180°	2032.7	2032.7	2032.7	2032.7	2032.7



TEST NUMBER: P935453
 CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-12-3000K

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	8.25	8.94	9.38	10.06	11.63	11.10	11.79	12.24	12.91	14.48
	3H	8.71	9.33	9.85	10.46	12.04	12.44	13.05	13.58	14.19	15.77
	4H	8.90	9.48	10.05	10.61	12.20	12.88	13.46	14.03	14.60	16.18
	6H	9.01	9.54	10.16	10.68	12.28	13.16	13.70	14.32	14.83	16.43
	8H	9.00	9.51	10.16	10.66	12.25	13.23	13.74	14.39	14.89	16.49
	12H	8.97	9.45	10.13	10.60	12.21	13.27	13.75	14.43	14.90	16.51
4H	2H	9.27	9.85	10.42	10.98	12.57	11.49	12.07	12.65	13.20	14.79
	3H	10.28	10.76	11.44	11.92	13.52	12.98	13.47	14.15	14.63	16.23
	4H	10.55	10.99	11.71	12.14	13.76	13.51	13.96	14.67	15.10	16.72
	6H	10.66	11.04	11.83	12.21	13.82	13.87	14.25	15.04	15.42	17.03
	8H	10.66	11.02	11.83	12.18	13.81	13.97	14.33	15.14	15.49	17.12
	12H	10.62	10.94	11.81	12.12	13.75	14.03	14.35	15.21	15.52	17.15
8H	4H	10.99	11.35	12.16	12.51	14.13	13.62	13.98	14.79	15.14	16.76
	6H	11.24	11.54	12.43	12.74	14.36	14.05	14.35	15.24	15.55	17.17
	8H	11.28	11.54	12.48	12.72	14.36	14.21	14.46	15.40	15.64	17.29
	12H	11.26	11.48	12.46	12.66	14.34	14.30	14.53	15.50	15.71	17.38
12H	4H	10.99	11.31	12.17	12.48	14.11	13.57	13.90	14.76	15.07	16.70
	6H	11.30	11.56	12.50	12.74	14.38	14.05	14.31	15.24	15.49	17.13
	8H	11.36	11.59	12.56	12.77	14.44	14.20	14.43	15.40	15.61	17.28