

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: P935026

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935026
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

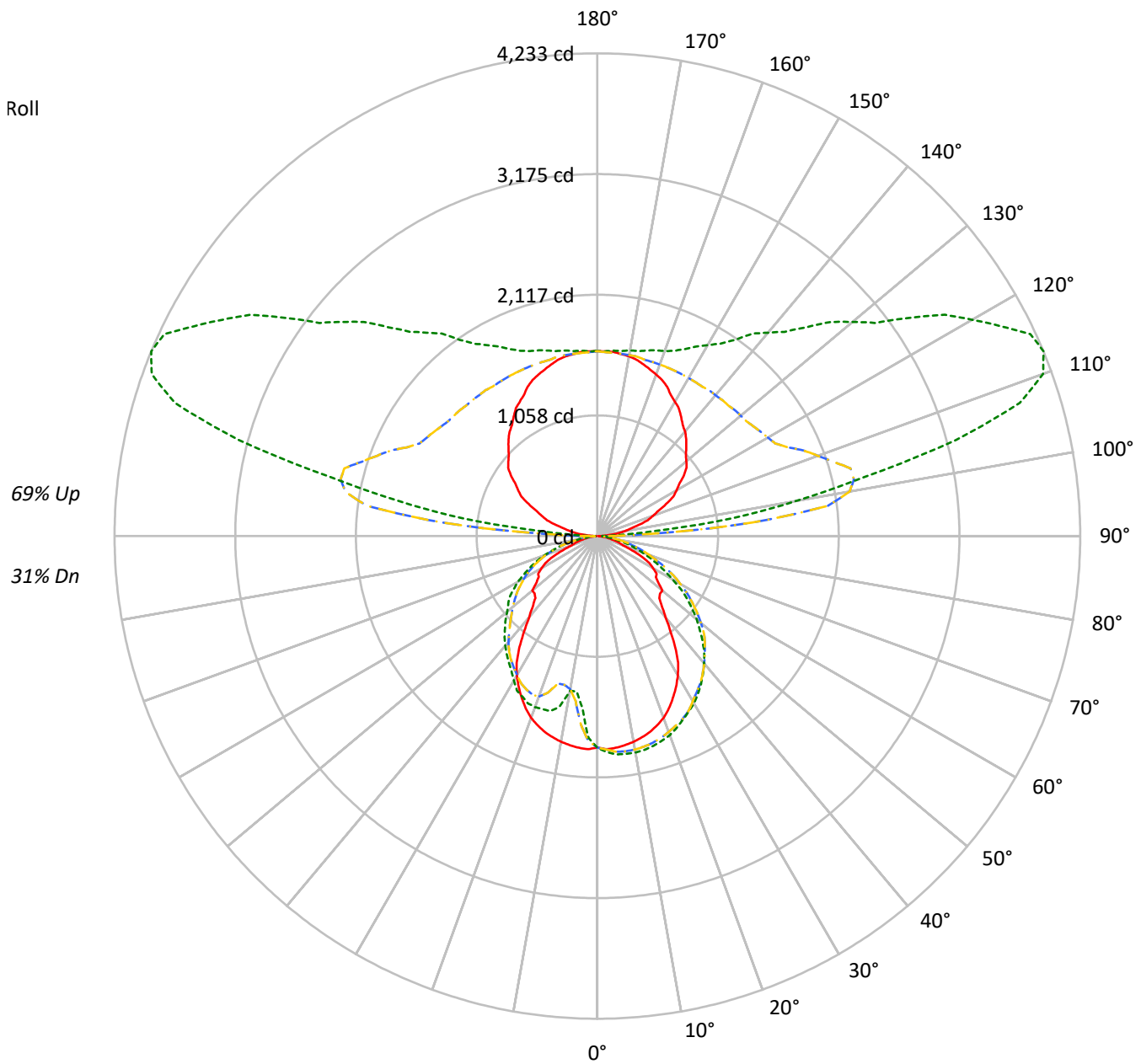
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15325.1 lumens
Efficiency: N/A
Efficacy: 124.0 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: P935026
CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5736	5736	5736	5736
5°	5781	5790	5781	4553
10°	5745	5704	5745	4078
15°	5684	5580	5684	4659
20°	5568	5434	5568	4669
25°	5327	5220	5327	4570
30°	5014	5043	5014	4353
35°	4472	4819	4472	4114
40°	3728	4555	3728	3934
45°	3333	4246	3333	3727
50°	3544	3877	3544	3518
55°	3338	3480	3338	3398
60°	3445	2956	3445	3112
65°	3129	2444	3129	2731
70°	2172	1948	2172	2289
75°	1911	1440	1911	1723
80°	1551	952	1551	1037
85°	911	504	911	428

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5106 cd/sqm



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	1.1
10°-20°	475.3	3.1
20°-30°	734.7	4.8
30°-40°	877.1	5.7
40°-50°	882.3	5.8
50°-60°	767.7	5.0
60°-70°	544.3	3.6
70°-80°	288.0	1.9
80°-90°	77.9	0.5
90°-100°	790.3	5.2
100°-110°	2077.8	13.6
110°-120°	2154.5	14.1
120°-130°	1728.2	11.3
130°-140°	1356.0	8.8
140°-150°	1040.8	6.8
150°-160°	749.5	4.9
160°-170°	458.6	3.0
170°-180°	154.9	1.0
0°-30°	1377.4	9.0
0°-40°	2254.5	14.7
0°-60°	3904.4	25.5
0°-90°	4814.6	31.4
90°-120°	5022.6	32.8
90°-150°	9147.5	59.7
90°-180°	10511.0	68.6
0°-180°	15325.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1854	1854	1854	1854	1854	
5°	1863	1921	1863	1511	1863	177
15°	1779	1904	1779	1590	1779	501
25°	1567	1776	1567	1554	1567	719
35°	1191	1584	1191	1353	1191	737
45°	768	1305	768	1146	768	616
55°	626	963	626	940	626	576
65°	435	581	435	649	435	416
75°	165	276	165	330	165	173
85°	28	70	28	60	28	38
90°	11	41	11	41	11	10
95°	104	478	104	478	104	116
105°	374	3254	374	3254	374	397
115°	665	4189	665	4189	665	657
125°	925	3336	925	3336	925	821
135°	1102	2589	1102	2589	1102	853
145°	1279	2100	1279	2100	1279	801
155°	1445	1808	1445	1808	1445	664
165°	1559	1684	1559	1684	1559	440
175°	1621	1632	1621	1632	1621	154
180°	1621	1621	1621	1621	1621	



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1870.3	1870.3	1880.8	1884.3	1884.3	1879.1	1873.8	1879.1	1894.8	1900.1	1898.3
5°	1863.3	1877.3	1896.6	1900.1	1903.7	1901.9	1898.3	1901.9	1919.4	1922.9	1924.7
7.5°	1849.2	1875.6	1900.1	1905.4	1910.6	1905.4	1903.7	1907.1	1924.7	1928.2	1928.2
10°	1831.7	1868.5	1896.6	1900.1	1905.4	1900.1	1900.1	1907.1	1924.7	1928.2	1930.0
12.5°	1807.1	1858.0	1884.3	1887.9	1894.8	1893.1	1891.4	1898.3	1915.9	1919.4	1919.4
15°	1779.0	1838.7	1863.3	1866.8	1879.1	1875.6	1875.6	1882.5	1901.9	1907.1	1905.4
17.5°	1740.5	1814.2	1842.3	1847.5	1856.3	1854.5	1856.3	1863.3	1880.8	1884.3	1886.1
20°	1696.6	1780.8	1814.2	1819.4	1828.2	1828.2	1828.2	1836.9	1854.5	1861.5	1861.5
22.5°	1637.0	1745.7	1780.8	1784.4	1794.8	1794.8	1798.4	1810.6	1826.4	1828.2	1828.2
25°	1566.8	1707.1	1736.9	1747.5	1758.0	1763.3	1768.6	1775.5	1780.8	1779.0	1780.8
27.5°	1493.1	1658.0	1696.6	1703.6	1717.6	1722.9	1729.9	1731.7	1733.4	1738.7	1735.2
30°	1410.6	1589.5	1647.4	1654.5	1677.3	1680.8	1673.8	1677.3	1686.1	1689.6	1693.1
32.5°	1317.6	1487.8	1596.6	1612.4	1633.4	1622.9	1621.1	1626.4	1640.5	1640.5	1644.0
35°	1191.3	1408.9	1549.3	1563.3	1579.1	1566.8	1573.8	1575.5	1584.3	1589.5	1587.8
37.5°	1052.7	1340.4	1500.1	1510.6	1522.9	1507.1	1517.6	1522.9	1529.9	1526.4	1526.4
40°	929.8	1233.4	1442.2	1449.2	1459.7	1447.5	1458.0	1461.5	1465.0	1461.5	1459.7
42.5°	838.6	1115.9	1380.8	1389.6	1382.5	1391.3	1394.8	1401.9	1396.6	1389.6	1389.6
45°	768.4	1084.3	1314.2	1324.6	1314.2	1328.2	1333.4	1333.4	1317.6	1314.2	1312.3
47.5°	745.7	1021.2	1247.4	1247.4	1242.2	1259.7	1268.5	1256.3	1240.5	1235.1	1235.1
50°	743.9	951.0	1156.2	1149.2	1173.8	1194.8	1186.1	1173.8	1161.5	1142.2	1142.2
52.5°	675.5	865.0	1038.7	1065.0	1103.6	1115.9	1101.8	1089.5	1068.5	1059.7	1052.7
55°	626.4	775.5	931.6	984.3	1024.6	1040.4	1014.1	1001.8	970.2	965.0	961.5
57.5°	615.8	645.7	833.4	900.0	949.2	947.5	931.6	908.8	882.5	877.3	875.5
60°	565.0	466.7	728.1	807.1	857.9	852.7	838.6	817.6	793.0	789.5	786.1
62.5°	512.3	338.6	608.8	698.3	770.2	768.4	756.2	724.6	707.0	698.3	691.3
65°	435.1	284.2	433.4	580.8	684.3	687.8	661.4	638.7	619.3	608.8	607.0
67.5°	331.6	231.6	293.0	484.2	601.8	598.3	565.0	554.4	529.8	524.6	514.1
70°	245.7	154.4	203.5	393.0	521.1	512.3	486.0	473.7	450.9	438.6	431.6
72.5°	203.5	124.5	149.1	305.3	438.6	428.1	405.3	391.3	371.9	361.5	354.4
75°	164.9	131.6	114.1	226.3	356.1	349.2	328.1	314.0	298.2	284.2	285.9
77.5°	121.0	122.8	91.2	166.6	282.5	272.0	259.7	242.2	235.1	221.1	221.1
80°	91.2	96.5	68.5	114.1	203.5	203.5	193.0	180.7	168.4	161.4	161.4
82.5°	61.4	61.4	50.8	71.9	138.6	133.3	126.4	122.8	115.8	112.3	112.3
85°	28.1	35.1	31.6	43.9	75.4	78.9	78.9	75.4	73.7	70.2	71.9
87.5°	8.8	15.8	19.3	24.6	38.6	40.4	42.1	42.1	42.1	43.9	43.9
90°	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1	41.3	41.3
92.5°	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1	206.8	198.6
95°	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7	701.8	676.9
97.5°	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2	1620.2	1572.9
100°	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2	2275.3	2218.9
102.5°	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6	2834.6	2786.2
105°	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8	3487.5	3461.5
107.5°	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5	3827.0	3833.3
110°	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2	3914.0	3941.2



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	577.8	646.5	715.2	732.3	1141.1	1686.2	1958.7	2380.9	3225.3	3858.6	3900.2
115°	664.8	728.2	791.5	807.4	1151.6	1610.6	1840.1	2246.8	3060.2	3670.3	3727.9
117.5°	750.8	808.4	865.9	880.3	1173.1	1563.3	1758.5	2125.5	2859.7	3410.3	3474.2
120°	800.9	855.0	909.3	922.8	1190.5	1547.4	1725.8	2061.2	2732.0	3235.1	3297.2
122.5°	849.9	904.6	959.2	972.8	1215.5	1539.1	1700.8	2002.8	2606.9	3059.9	3121.2
125°	925.0	974.8	1024.6	1037.0	1249.2	1532.2	1673.6	1930.2	2443.3	2828.1	2884.5
127.5°	985.8	1036.2	1086.5	1099.0	1282.9	1528.2	1650.8	1871.0	2311.6	2642.0	2689.6
130°	1018.5	1072.7	1126.8	1140.4	1307.6	1530.6	1642.0	1838.2	2230.4	2524.5	2568.6
132.5°	1052.3	1106.4	1160.6	1174.1	1327.5	1532.1	1634.4	1809.9	2161.1	2424.4	2463.8
135°	1102.3	1151.6	1201.0	1213.3	1349.3	1530.7	1621.4	1768.4	2062.4	2282.9	2316.9
137.5°	1153.4	1202.3	1251.1	1263.3	1381.9	1540.1	1619.2	1743.5	1992.1	2178.5	2206.3
140°	1195.9	1240.9	1285.8	1297.1	1401.9	1541.7	1611.5	1718.9	1933.6	2094.7	2120.7
142.5°	1228.5	1270.1	1311.7	1322.1	1418.5	1547.2	1611.5	1705.9	1894.5	2035.9	2058.3
145°	1278.6	1314.9	1351.1	1360.2	1440.3	1547.2	1600.7	1677.8	1832.1	1947.8	1964.7
147.5°	1328.6	1363.9	1399.3	1408.1	1472.3	1557.9	1600.7	1661.4	1782.8	1873.8	1887.9
150°	1361.2	1393.2	1425.1	1433.1	1489.0	1563.5	1600.7	1652.0	1754.4	1831.4	1842.7
152.5°	1395.0	1419.1	1443.4	1449.4	1499.8	1567.0	1600.7	1644.5	1731.9	1797.6	1806.2
155°	1445.0	1462.9	1480.9	1485.3	1523.8	1575.1	1600.7	1635.5	1705.1	1757.3	1763.0
157.5°	1482.0	1499.5	1516.9	1521.3	1547.8	1583.1	1600.7	1627.7	1681.9	1722.5	1726.5
160°	1507.0	1520.7	1534.2	1537.6	1558.6	1586.7	1600.7	1623.9	1670.3	1705.1	1707.4
162.5°	1532.1	1542.2	1552.4	1554.9	1570.2	1590.5	1600.7	1620.2	1659.4	1688.8	1691.0
165°	1559.3	1568.4	1577.7	1580.0	1586.8	1596.1	1600.7	1614.7	1642.7	1663.8	1666.0
167.5°	1584.3	1588.7	1593.0	1594.2	1599.9	1607.7	1611.5	1620.8	1639.2	1652.9	1653.9
170°	1600.7	1605.1	1609.4	1610.5	1610.8	1611.3	1611.5	1620.8	1639.2	1652.9	1652.9
172.5°	1609.3	1610.3	1611.3	1611.5	1611.5	1611.5	1611.5	1618.8	1633.3	1644.2	1643.3
175°	1621.4	1621.4	1621.4	1621.4	1618.1	1613.7	1611.5	1616.1	1625.3	1632.2	1632.2
177.5°	1621.4	1621.4	1621.4	1621.4	1618.8	1615.4	1613.7	1617.4	1624.6	1630.0	1629.0
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1901.9	1896.6	1901.9	1898.3	1900.1	1894.8	1879.1	1873.8	1879.1	1884.3	1884.3
5°	1924.7	1921.2	1924.7	1924.7	1922.9	1919.4	1901.9	1898.3	1901.9	1903.7	1900.1
7.5°	1931.7	1926.4	1931.7	1928.2	1928.2	1924.7	1907.1	1903.7	1905.4	1910.6	1905.4
10°	1931.7	1926.4	1931.7	1930.0	1928.2	1924.7	1907.1	1900.1	1900.1	1905.4	1900.1
12.5°	1922.9	1919.4	1922.9	1919.4	1919.4	1915.9	1898.3	1891.4	1893.1	1894.8	1887.9
15°	1908.9	1903.7	1908.9	1905.4	1907.1	1901.9	1882.5	1875.6	1875.6	1879.1	1866.8
17.5°	1887.9	1880.8	1887.9	1886.1	1884.3	1880.8	1863.3	1856.3	1854.5	1856.3	1847.5
20°	1863.3	1858.0	1863.3	1861.5	1861.5	1854.5	1836.9	1828.2	1828.2	1828.2	1819.4
22.5°	1824.6	1819.4	1824.6	1828.2	1828.2	1826.4	1810.6	1798.4	1794.8	1794.8	1784.4
25°	1780.8	1775.5	1780.8	1780.8	1779.0	1780.8	1775.5	1768.6	1763.3	1758.0	1747.5
27.5°	1738.7	1735.2	1738.7	1735.2	1738.7	1733.4	1731.7	1729.9	1722.9	1717.6	1703.6
30°	1696.6	1693.1	1696.6	1693.1	1689.6	1686.1	1677.3	1673.8	1680.8	1677.3	1654.5
32.5°	1644.0	1640.5	1644.0	1644.0	1640.5	1640.5	1626.4	1621.1	1622.9	1633.4	1612.4
35°	1589.5	1584.3	1589.5	1587.8	1589.5	1584.3	1575.5	1573.8	1566.8	1579.1	1563.3
37.5°	1526.4	1521.2	1526.4	1526.4	1526.4	1529.9	1522.9	1517.6	1507.1	1522.9	1510.6
40°	1461.5	1454.5	1461.5	1459.7	1461.5	1465.0	1461.5	1458.0	1447.5	1459.7	1449.2
42.5°	1387.8	1386.0	1387.8	1389.6	1389.6	1396.6	1401.9	1394.8	1391.3	1382.5	1389.6
45°	1308.8	1305.3	1308.8	1312.3	1314.2	1317.6	1333.4	1333.4	1328.2	1314.2	1324.6
47.5°	1224.6	1215.9	1224.6	1235.1	1235.1	1240.5	1256.3	1268.5	1259.7	1242.2	1247.4
50°	1135.1	1136.9	1135.1	1142.2	1142.2	1161.5	1173.8	1186.1	1194.8	1173.8	1149.2
52.5°	1047.4	1045.7	1047.4	1052.7	1059.7	1068.5	1089.5	1101.8	1115.9	1103.6	1065.0
55°	959.7	963.2	959.7	961.5	965.0	970.2	1001.8	1014.1	1040.4	1024.6	984.3
57.5°	871.9	866.7	871.9	875.5	877.3	882.5	908.8	931.6	947.5	949.2	900.0
60°	770.2	763.2	770.2	786.1	789.5	793.0	817.6	838.6	852.7	857.9	807.1
62.5°	680.7	668.5	680.7	691.3	698.3	707.0	724.6	756.2	768.4	770.2	698.3
65°	586.0	580.8	586.0	607.0	608.8	619.3	638.7	661.4	687.8	684.3	580.8
67.5°	500.0	500.0	500.0	514.1	524.6	529.8	554.4	565.0	598.3	601.8	484.2
70°	421.1	419.4	421.1	431.6	438.6	450.9	473.7	486.0	512.3	521.1	393.0
72.5°	345.7	343.8	345.7	354.4	361.5	371.9	391.3	405.3	428.1	438.6	305.3
75°	279.0	275.5	279.0	285.9	284.2	298.2	314.0	328.1	349.2	356.1	226.3
77.5°	214.1	214.1	214.1	221.1	221.1	235.1	242.2	259.7	272.0	282.5	166.6
80°	159.7	157.9	159.7	161.4	161.4	168.4	180.7	193.0	203.5	203.5	114.1
82.5°	112.3	108.7	112.3	112.3	112.3	115.8	122.8	126.4	133.3	138.6	71.9
85°	70.2	70.2	70.2	71.9	70.2	73.7	75.4	78.9	78.9	75.4	43.9
87.5°	45.6	43.9	45.6	43.9	43.9	42.1	42.1	42.1	40.4	38.6	24.6
90°	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1	47.9	30.4
92.5°	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9	295.3	210.0
95°	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7	726.5	409.2
97.5°	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2	978.6	449.4
100°	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3	1070.3	483.1
102.5°	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6	1112.5	516.9
105°	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6	1143.7	566.9
107.5°	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4	1149.4	640.9
110°	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0	1140.7	682.3



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4066.6	4232.9	4066.6	3900.2	3858.6	3225.3	2380.9	1958.7	1686.2	1141.1	732.3
115°	3958.7	4189.3	3958.7	3727.9	3670.3	3060.2	2246.8	1840.1	1610.6	1151.6	807.4
117.5°	3730.0	3985.9	3730.0	3474.2	3410.3	2859.7	2125.5	1758.5	1563.3	1173.1	880.3
120°	3545.8	3794.4	3545.8	3297.2	3235.1	2732.0	2061.2	1725.8	1547.4	1190.5	922.8
122.5°	3366.3	3611.5	3366.3	3121.2	3059.9	2606.9	2002.8	1700.8	1539.1	1215.5	972.8
125°	3110.4	3336.2	3110.4	2884.5	2828.1	2443.3	1930.2	1673.6	1532.2	1249.2	1037.0
127.5°	2880.2	3070.8	2880.2	2689.6	2642.0	2311.6	1871.0	1650.8	1528.2	1282.9	1099.0
130°	2744.6	2920.6	2744.6	2568.6	2524.5	2230.4	1838.2	1642.0	1530.6	1307.6	1140.4
132.5°	2621.5	2779.2	2621.5	2463.8	2424.4	2161.1	1809.9	1634.4	1532.1	1327.5	1174.1
135°	2452.8	2588.7	2452.8	2316.9	2282.9	2062.4	1768.4	1621.4	1530.7	1349.3	1213.3
137.5°	2317.5	2428.8	2317.5	2206.3	2178.5	1992.1	1743.5	1619.2	1540.1	1381.9	1263.3
140°	2224.7	2328.7	2224.7	2120.7	2094.7	1933.6	1718.9	1611.5	1541.7	1401.9	1297.1
142.5°	2147.7	2237.2	2147.7	2058.3	2035.9	1894.5	1705.9	1611.5	1547.2	1418.5	1322.1
145°	2032.4	2100.1	2032.4	1964.7	1947.8	1832.1	1677.8	1600.7	1547.2	1440.3	1360.2
147.5°	1943.9	2000.0	1943.9	1887.9	1873.8	1782.8	1661.4	1600.7	1557.9	1472.3	1408.1
150°	1888.2	1933.6	1888.2	1842.7	1831.4	1754.4	1652.0	1600.7	1563.5	1489.0	1433.1
152.5°	1840.5	1874.9	1840.5	1806.2	1797.6	1731.9	1644.5	1600.7	1567.0	1499.8	1449.4
155°	1785.8	1808.5	1785.8	1763.0	1757.3	1705.1	1635.5	1600.7	1575.1	1523.8	1485.3
157.5°	1742.5	1758.5	1742.5	1726.5	1722.5	1681.9	1627.7	1600.7	1583.1	1547.8	1521.3
160°	1716.6	1725.8	1716.6	1707.4	1705.1	1670.3	1623.9	1600.7	1586.7	1558.6	1537.6
162.5°	1699.7	1708.4	1699.7	1691.0	1688.8	1659.4	1620.2	1600.7	1590.5	1570.2	1554.9
165°	1675.3	1684.4	1675.3	1666.0	1663.8	1642.7	1614.7	1600.7	1596.1	1586.8	1580.0
167.5°	1657.7	1661.6	1657.7	1653.9	1652.9	1639.2	1620.8	1611.5	1607.7	1599.9	1594.2
170°	1652.9	1652.9	1652.9	1652.9	1652.9	1639.2	1620.8	1611.5	1611.3	1610.8	1610.5
172.5°	1639.9	1636.5	1639.9	1643.3	1644.2	1633.3	1618.8	1611.5	1611.5	1611.5	1611.5
175°	1632.2	1632.2	1632.2	1632.2	1632.2	1625.3	1616.1	1611.5	1613.7	1618.1	1621.4
177.5°	1625.2	1621.4	1625.2	1629.0	1630.0	1624.6	1617.4	1613.7	1615.4	1618.8	1621.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1880.8	1870.3	1870.3	1852.7	1845.7	1840.4	1831.7	1805.4	1798.4	1791.3	1801.9
5°	1896.6	1877.3	1863.3	1831.7	1805.4	1794.8	1761.5	1698.4	1656.3	1624.7	1607.2
7.5°	1900.1	1875.6	1849.2	1800.1	1736.9	1708.8	1607.2	1491.4	1459.7	1431.7	1414.1
10°	1896.6	1868.5	1831.7	1758.0	1608.9	1559.7	1458.0	1382.5	1363.3	1358.0	1363.3
12.5°	1884.3	1858.0	1807.1	1684.3	1475.6	1442.2	1382.5	1338.7	1335.2	1344.0	1391.3
15°	1863.3	1838.7	1779.0	1586.1	1401.9	1377.3	1335.2	1319.4	1338.7	1400.1	1542.2
17.5°	1842.3	1814.2	1740.5	1489.6	1345.7	1328.2	1298.3	1329.9	1438.7	1521.2	1568.5
20°	1814.2	1780.8	1696.6	1419.4	1305.3	1289.6	1275.5	1417.7	1500.1	1529.9	1556.2
22.5°	1780.8	1745.7	1637.0	1370.2	1263.2	1250.9	1259.7	1466.8	1500.1	1521.2	1543.9
25°	1736.9	1707.1	1566.8	1331.7	1229.9	1215.9	1249.2	1461.5	1480.8	1486.0	1531.6
27.5°	1696.6	1658.0	1493.1	1296.5	1189.5	1184.3	1258.0	1438.7	1452.7	1458.0	1507.1
30°	1647.4	1589.5	1410.6	1259.7	1147.4	1145.7	1259.7	1410.6	1407.1	1421.2	1470.2
32.5°	1596.6	1487.8	1317.6	1214.1	1107.0	1105.3	1247.4	1368.5	1365.0	1384.3	1421.2
35°	1549.3	1408.9	1191.3	1161.5	1056.2	1058.0	1217.6	1319.4	1321.1	1338.7	1361.5
37.5°	1500.1	1340.4	1052.7	1103.6	1007.1	1007.1	1177.2	1273.8	1270.3	1275.5	1307.1
40°	1442.2	1233.4	929.8	1028.1	961.5	956.2	1128.2	1224.6	1212.4	1210.6	1254.4
42.5°	1380.8	1115.9	838.6	928.1	908.8	901.8	1068.5	1165.0	1142.2	1147.4	1203.6
45°	1314.2	1084.3	768.4	784.2	854.4	849.2	1003.5	1096.6	1080.8	1094.8	1152.7
47.5°	1247.4	1021.2	745.7	650.9	796.5	794.8	931.6	1029.9	1021.2	1035.2	1096.6
50°	1156.2	951.0	743.9	557.9	731.6	738.6	845.7	965.0	965.0	977.3	1042.2
52.5°	1038.7	865.0	675.5	505.3	656.2	677.2	770.2	908.8	912.3	924.6	982.5
55°	931.6	775.5	626.4	465.0	566.7	612.3	696.5	850.9	857.9	870.2	922.9
57.5°	833.4	645.7	615.8	417.5	484.2	528.1	631.6	794.8	798.3	808.8	859.7
60°	728.1	466.7	565.0	366.7	412.3	445.6	572.0	728.1	740.4	747.4	791.3
62.5°	608.8	338.6	512.3	331.6	377.2	384.2	522.9	664.9	680.7	686.0	712.4
65°	433.4	284.2	435.1	301.8	340.4	342.1	470.2	600.0	614.1	622.8	642.2
67.5°	293.0	231.6	331.6	273.7	312.3	314.0	419.4	524.6	543.9	551.0	563.2
70°	203.5	154.4	245.7	243.9	280.7	284.2	364.9	456.2	473.7	479.0	486.0
72.5°	149.1	124.5	203.5	219.3	247.4	250.9	308.8	379.0	396.5	401.7	405.3
75°	114.1	131.6	164.9	191.2	210.5	212.3	252.6	308.8	321.1	324.6	326.3
77.5°	91.2	122.8	121.0	154.4	172.0	168.4	198.3	238.6	249.1	249.1	249.1
80°	68.5	96.5	91.2	110.6	126.4	122.8	142.1	170.2	173.7	177.2	175.5
82.5°	50.8	61.4	61.4	70.2	84.2	80.8	94.7	110.6	110.6	110.6	114.1
85°	31.6	35.1	28.1	36.9	47.4	45.6	52.7	59.6	61.4	61.4	57.9
87.5°	19.3	15.8	8.8	14.0	21.0	21.0	24.6	26.3	24.6	24.6	24.6
90°	28.3	19.6	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1
92.5°	191.5	117.5	43.5	117.5	191.5	210.0	295.3	408.9	465.8	408.2	293.1
95°	375.3	239.9	104.5	239.9	375.3	409.2	726.5	1149.7	1361.2	1214.7	921.7
97.5°	419.5	300.1	180.6	300.1	419.5	449.4	978.6	1684.2	2037.0	1944.4	1759.2
100°	456.0	347.7	239.4	347.7	456.0	483.1	1070.3	1853.3	2244.9	2251.7	2265.2
102.5°	491.6	390.5	289.4	390.5	491.6	516.9	1112.5	1906.6	2303.7	2421.6	2657.6
105°	545.5	459.9	374.4	459.9	545.5	566.9	1143.7	1912.6	2297.1	2561.7	3090.8
107.5°	621.0	541.2	461.4	541.2	621.0	640.9	1149.4	1827.4	2166.5	2535.5	3273.5
110°	664.2	592.2	520.2	592.2	664.2	682.3	1140.7	1752.0	2057.7	2470.2	3295.2



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	715.2	646.5	577.8	646.5	715.2	732.3	1141.1	1686.2	1958.7	2380.9	3225.3
115°	791.5	728.2	664.8	728.2	791.5	807.4	1151.6	1610.6	1840.1	2246.8	3060.2
117.5°	865.9	808.4	750.8	808.4	865.9	880.3	1173.1	1563.3	1758.5	2125.5	2859.7
120°	909.3	855.0	800.9	855.0	909.3	922.8	1190.5	1547.4	1725.8	2061.2	2732.0
122.5°	959.2	904.6	849.9	904.6	959.2	972.8	1215.5	1539.1	1700.8	2002.8	2606.9
125°	1024.6	974.8	925.0	974.8	1024.6	1037.0	1249.2	1532.2	1673.6	1930.2	2443.3
127.5°	1086.5	1036.2	985.8	1036.2	1086.5	1099.0	1282.9	1528.2	1650.8	1871.0	2311.6
130°	1126.8	1072.7	1018.5	1072.7	1126.8	1140.4	1307.6	1530.6	1642.0	1838.2	2230.4
132.5°	1160.6	1106.4	1052.3	1106.4	1160.6	1174.1	1327.5	1532.1	1634.4	1809.9	2161.1
135°	1201.0	1151.6	1102.3	1151.6	1201.0	1213.3	1349.3	1530.7	1621.4	1768.4	2062.4
137.5°	1251.1	1202.3	1153.4	1202.3	1251.1	1263.3	1381.9	1540.1	1619.2	1743.5	1992.1
140°	1285.8	1240.9	1195.9	1240.9	1285.8	1297.1	1401.9	1541.7	1611.5	1718.9	1933.6
142.5°	1311.7	1270.1	1228.5	1270.1	1311.7	1322.1	1418.5	1547.2	1611.5	1705.9	1894.5
145°	1351.1	1314.9	1278.6	1314.9	1351.1	1360.2	1440.3	1547.2	1600.7	1677.8	1832.1
147.5°	1399.3	1363.9	1328.6	1363.9	1399.3	1408.1	1472.3	1557.9	1600.7	1661.4	1782.8
150°	1425.1	1393.2	1361.2	1393.2	1425.1	1433.1	1489.0	1563.5	1600.7	1652.0	1754.4
152.5°	1443.4	1419.1	1395.0	1419.1	1443.4	1449.4	1499.8	1567.0	1600.7	1644.5	1731.9
155°	1480.9	1462.9	1445.0	1462.9	1480.9	1485.3	1523.8	1575.1	1600.7	1635.5	1705.1
157.5°	1516.9	1499.5	1482.0	1499.5	1516.9	1521.3	1547.8	1583.1	1600.7	1627.7	1681.9
160°	1534.2	1520.7	1507.0	1520.7	1534.2	1537.6	1558.6	1586.7	1600.7	1623.9	1670.3
162.5°	1552.4	1542.2	1532.1	1542.2	1552.4	1554.9	1570.2	1590.5	1600.7	1620.2	1659.4
165°	1577.7	1568.4	1559.3	1568.4	1577.7	1580.0	1586.8	1596.1	1600.7	1614.7	1642.7
167.5°	1593.0	1588.7	1584.3	1588.7	1593.0	1594.2	1599.9	1607.7	1611.5	1620.8	1639.2
170°	1609.4	1605.1	1600.7	1605.1	1609.4	1610.5	1610.8	1611.3	1611.5	1620.8	1639.2
172.5°	1611.3	1610.3	1609.3	1610.3	1611.3	1611.5	1611.5	1611.5	1611.5	1618.8	1633.3
175°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1618.1	1613.7	1611.5	1616.1	1625.3
177.5°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1618.8	1615.4	1613.7	1617.4	1624.6
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1789.6	1784.4	1791.3	1772.1	1791.3	1784.4	1789.6	1801.9	1791.3	1798.4	1805.4
5°	1570.3	1561.5	1533.5	1510.6	1533.5	1561.5	1570.3	1607.2	1624.7	1656.3	1698.4
7.5°	1403.6	1396.6	1389.6	1375.5	1389.6	1396.6	1403.6	1414.1	1431.7	1459.7	1491.4
10°	1366.7	1368.5	1379.0	1377.3	1379.0	1368.5	1366.7	1363.3	1358.0	1363.3	1382.5
12.5°	1461.5	1477.3	1535.2	1531.6	1535.2	1477.3	1461.5	1391.3	1344.0	1335.2	1338.7
15°	1570.3	1575.5	1587.8	1589.5	1587.8	1575.5	1570.3	1542.2	1400.1	1338.7	1319.4
17.5°	1580.8	1582.6	1591.3	1591.3	1591.3	1582.6	1580.8	1568.5	1521.2	1438.7	1329.9
20°	1572.0	1575.5	1593.1	1596.6	1593.1	1575.5	1572.0	1556.2	1529.9	1500.1	1417.7
22.5°	1568.5	1575.5	1589.5	1587.8	1589.5	1575.5	1568.5	1543.9	1521.2	1500.1	1466.8
25°	1551.0	1551.0	1552.7	1554.5	1552.7	1551.0	1551.0	1531.6	1486.0	1480.8	1461.5
27.5°	1514.1	1517.6	1528.2	1526.4	1528.2	1517.6	1514.1	1507.1	1458.0	1452.7	1438.7
30°	1480.8	1477.3	1468.5	1461.5	1468.5	1477.3	1480.8	1470.2	1421.2	1407.1	1410.6
32.5°	1424.6	1415.8	1407.1	1401.9	1407.1	1415.8	1424.6	1421.2	1384.3	1365.0	1368.5
35°	1358.0	1359.8	1358.0	1352.7	1358.0	1359.8	1358.0	1361.5	1338.7	1321.1	1319.4
37.5°	1310.6	1314.2	1312.3	1305.3	1312.3	1314.2	1310.6	1307.1	1275.5	1270.3	1273.8
40°	1261.5	1263.2	1261.5	1256.3	1261.5	1263.2	1261.5	1254.4	1210.6	1212.4	1224.6
42.5°	1214.1	1212.4	1207.1	1203.6	1207.1	1212.4	1214.1	1203.6	1147.4	1142.2	1165.0
45°	1159.7	1161.5	1150.9	1145.7	1150.9	1161.5	1159.7	1152.7	1094.8	1080.8	1096.6
47.5°	1105.3	1105.3	1096.6	1091.3	1096.6	1105.3	1105.3	1096.6	1035.2	1021.2	1029.9
50°	1047.4	1045.7	1033.4	1031.6	1033.4	1045.7	1047.4	1042.2	977.3	965.0	965.0
52.5°	980.8	980.8	982.5	986.0	982.5	980.8	980.8	982.5	924.6	912.3	908.8
55°	922.9	924.6	936.9	940.4	936.9	924.6	922.9	922.9	870.2	857.9	850.9
57.5°	863.2	863.2	871.9	871.9	871.9	863.2	863.2	859.7	808.8	798.3	794.8
60°	794.8	798.3	805.3	803.6	805.3	798.3	794.8	791.3	747.4	740.4	728.1
62.5°	722.8	726.4	728.1	724.6	728.1	726.4	722.8	712.4	686.0	680.7	664.9
65°	647.4	650.9	652.6	649.1	652.6	650.9	647.4	642.2	622.8	614.1	600.0
67.5°	570.2	568.5	566.7	573.7	566.7	568.5	570.2	563.2	551.0	543.9	524.6
70°	491.2	491.2	489.5	493.0	489.5	491.2	491.2	486.0	479.0	473.7	456.2
72.5°	407.1	405.3	412.3	407.1	412.3	405.3	407.1	405.3	401.7	396.5	379.0
75°	324.6	328.1	324.6	329.8	324.6	328.1	324.6	326.3	324.6	321.1	308.8
77.5°	247.4	250.9	247.4	247.4	247.4	250.9	247.4	249.1	249.1	249.1	238.6
80°	175.5	173.7	173.7	172.0	173.7	173.7	175.5	175.5	177.2	173.7	170.2
82.5°	112.3	110.6	110.6	114.1	110.6	110.6	112.3	114.1	110.6	110.6	110.6
85°	61.4	63.1	59.6	59.6	59.6	63.1	61.4	57.9	61.4	61.4	59.6
87.5°	22.8	21.0	21.0	21.0	21.0	21.0	22.8	24.6	24.6	24.6	26.3
90°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1
92.5°	206.8	198.6	165.6	132.7	165.6	198.6	206.8	293.1	408.2	465.8	408.9
95°	701.8	676.9	577.3	477.7	577.3	676.9	701.8	921.7	1214.7	1361.2	1149.7
97.5°	1620.2	1572.9	1383.3	1193.7	1383.3	1572.9	1620.2	1759.2	1944.4	2037.0	1684.2
100°	2275.3	2218.9	1993.0	1767.2	1993.0	2218.9	2275.3	2265.2	2251.7	2244.9	1853.3
102.5°	2834.6	2786.2	2592.8	2399.4	2592.8	2786.2	2834.6	2657.6	2421.6	2303.7	1906.6
105°	3487.5	3461.5	3357.5	3253.6	3357.5	3461.5	3487.5	3090.8	2561.7	2297.1	1912.6
107.5°	3827.0	3833.3	3858.5	3883.6	3858.5	3833.3	3827.0	3273.5	2535.5	2166.5	1827.4
110°	3914.0	3941.2	4049.5	4157.9	4049.5	3941.2	3914.0	3295.2	2470.2	2057.7	1752.0



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3858.6	3900.2	4066.6	4232.9	4066.6	3900.2	3858.6	3225.3	2380.9	1958.7	1686.2
115°	3670.3	3727.9	3958.7	4189.3	3958.7	3727.9	3670.3	3060.2	2246.8	1840.1	1610.6
117.5°	3410.3	3474.2	3730.0	3985.9	3730.0	3474.2	3410.3	2859.7	2125.5	1758.5	1563.3
120°	3235.1	3297.2	3545.8	3794.4	3545.8	3297.2	3235.1	2732.0	2061.2	1725.8	1547.4
122.5°	3059.9	3121.2	3366.3	3611.5	3366.3	3121.2	3059.9	2606.9	2002.8	1700.8	1539.1
125°	2828.1	2884.5	3110.4	3336.2	3110.4	2884.5	2828.1	2443.3	1930.2	1673.6	1532.2
127.5°	2642.0	2689.6	2880.2	3070.8	2880.2	2689.6	2642.0	2311.6	1871.0	1650.8	1528.2
130°	2524.5	2568.6	2744.6	2920.6	2744.6	2568.6	2524.5	2230.4	1838.2	1642.0	1530.6
132.5°	2424.4	2463.8	2621.5	2779.2	2621.5	2463.8	2424.4	2161.1	1809.9	1634.4	1532.1
135°	2282.9	2316.9	2452.8	2588.7	2452.8	2316.9	2282.9	2062.4	1768.4	1621.4	1530.7
137.5°	2178.5	2206.3	2317.5	2428.8	2317.5	2206.3	2178.5	1992.1	1743.5	1619.2	1540.1
140°	2094.7	2120.7	2224.7	2328.7	2224.7	2120.7	2094.7	1933.6	1718.9	1611.5	1541.7
142.5°	2035.9	2058.3	2147.7	2237.2	2147.7	2058.3	2035.9	1894.5	1705.9	1611.5	1547.2
145°	1947.8	1964.7	2032.4	2100.1	2032.4	1964.7	1947.8	1832.1	1677.8	1600.7	1547.2
147.5°	1873.8	1887.9	1943.9	2000.0	1943.9	1887.9	1873.8	1782.8	1661.4	1600.7	1557.9
150°	1831.4	1842.7	1888.2	1933.6	1888.2	1842.7	1831.4	1754.4	1652.0	1600.7	1563.5
152.5°	1797.6	1806.2	1840.5	1874.9	1840.5	1806.2	1797.6	1731.9	1644.5	1600.7	1567.0
155°	1757.3	1763.0	1785.8	1808.5	1785.8	1763.0	1757.3	1705.1	1635.5	1600.7	1575.1
157.5°	1722.5	1726.5	1742.5	1758.5	1742.5	1726.5	1722.5	1681.9	1627.7	1600.7	1583.1
160°	1705.1	1707.4	1716.6	1725.8	1716.6	1707.4	1705.1	1670.3	1623.9	1600.7	1586.7
162.5°	1688.8	1691.0	1699.7	1708.4	1699.7	1691.0	1688.8	1659.4	1620.2	1600.7	1590.5
165°	1663.8	1666.0	1675.3	1684.4	1675.3	1666.0	1663.8	1642.7	1614.7	1600.7	1596.1
167.5°	1652.9	1653.9	1657.7	1661.6	1657.7	1653.9	1652.9	1639.2	1620.8	1611.5	1607.7
170°	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1639.2	1620.8	1611.5	1611.3
172.5°	1644.2	1643.3	1639.9	1636.5	1639.9	1643.3	1644.2	1633.3	1618.8	1611.5	1611.5
175°	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1632.2	1625.3	1616.1	1611.5	1613.7
177.5°	1630.0	1629.0	1625.2	1621.4	1625.2	1629.0	1630.0	1624.6	1617.4	1613.7	1615.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1854.5	1854.5	1854.5	1854.5	1854.5
2.5°	1831.7	1840.4	1845.7	1852.7	1870.3
5°	1761.5	1794.8	1805.4	1831.7	1863.3
7.5°	1607.2	1708.8	1736.9	1800.1	1849.2
10°	1458.0	1559.7	1608.9	1758.0	1831.7
12.5°	1382.5	1442.2	1475.6	1684.3	1807.1
15°	1335.2	1377.3	1401.9	1586.1	1779.0
17.5°	1298.3	1328.2	1345.7	1489.6	1740.5
20°	1275.5	1289.6	1305.3	1419.4	1696.6
22.5°	1259.7	1250.9	1263.2	1370.2	1637.0
25°	1249.2	1215.9	1229.9	1331.7	1566.8
27.5°	1258.0	1184.3	1189.5	1296.5	1493.1
30°	1259.7	1145.7	1147.4	1259.7	1410.6
32.5°	1247.4	1105.3	1107.0	1214.1	1317.6
35°	1217.6	1058.0	1056.2	1161.5	1191.3
37.5°	1177.2	1007.1	1007.1	1103.6	1052.7
40°	1128.2	956.2	961.5	1028.1	929.8
42.5°	1068.5	901.8	908.8	928.1	838.6
45°	1003.5	849.2	854.4	784.2	768.4
47.5°	931.6	794.8	796.5	650.9	745.7
50°	845.7	738.6	731.6	557.9	743.9
52.5°	770.2	677.2	656.2	505.3	675.5
55°	696.5	612.3	566.7	465.0	626.4
57.5°	631.6	528.1	484.2	417.5	615.8
60°	572.0	445.6	412.3	366.7	565.0
62.5°	522.9	384.2	377.2	331.6	512.3
65°	470.2	342.1	340.4	301.8	435.1
67.5°	419.4	314.0	312.3	273.7	331.6
70°	364.9	284.2	280.7	243.9	245.7
72.5°	308.8	250.9	247.4	219.3	203.5
75°	252.6	212.3	210.5	191.2	164.9
77.5°	198.3	168.4	172.0	154.4	121.0
80°	142.1	122.8	126.4	110.6	91.2
82.5°	94.7	80.8	84.2	70.2	61.4
85°	52.7	45.6	47.4	36.9	28.1
87.5°	24.6	21.0	21.0	14.0	8.8
90°	47.9	30.4	28.3	19.6	10.9
92.5°	295.3	210.0	191.5	117.5	43.5
95°	726.5	409.2	375.3	239.9	104.5
97.5°	978.6	449.4	419.5	300.1	180.6
100°	1070.3	483.1	456.0	347.7	239.4
102.5°	1112.5	516.9	491.6	390.5	289.4
105°	1143.7	566.9	545.5	459.9	374.4
107.5°	1149.4	640.9	621.0	541.2	461.4
110°	1140.7	682.3	664.2	592.2	520.2



TEST NUMBER: P935026

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1141.1	732.3	715.2	646.5	577.8
115°	1151.6	807.4	791.5	728.2	664.8
117.5°	1173.1	880.3	865.9	808.4	750.8
120°	1190.5	922.8	909.3	855.0	800.9
122.5°	1215.5	972.8	959.2	904.6	849.9
125°	1249.2	1037.0	1024.6	974.8	925.0
127.5°	1282.9	1099.0	1086.5	1036.2	985.8
130°	1307.6	1140.4	1126.8	1072.7	1018.5
132.5°	1327.5	1174.1	1160.6	1106.4	1052.3
135°	1349.3	1213.3	1201.0	1151.6	1102.3
137.5°	1381.9	1263.3	1251.1	1202.3	1153.4
140°	1401.9	1297.1	1285.8	1240.9	1195.9
142.5°	1418.5	1322.1	1311.7	1270.1	1228.5
145°	1440.3	1360.2	1351.1	1314.9	1278.6
147.5°	1472.3	1408.1	1399.3	1363.9	1328.6
150°	1489.0	1433.1	1425.1	1393.2	1361.2
152.5°	1499.8	1449.4	1443.4	1419.1	1395.0
155°	1523.8	1485.3	1480.9	1462.9	1445.0
157.5°	1547.8	1521.3	1516.9	1499.5	1482.0
160°	1558.6	1537.6	1534.2	1520.7	1507.0
162.5°	1570.2	1554.9	1552.4	1542.2	1532.1
165°	1586.8	1580.0	1577.7	1568.4	1559.3
167.5°	1599.9	1594.2	1593.0	1588.7	1584.3
170°	1610.8	1610.5	1609.4	1605.1	1600.7
172.5°	1611.5	1611.5	1611.3	1610.3	1609.3
175°	1618.1	1621.4	1621.4	1621.4	1621.4
177.5°	1618.8	1621.4	1621.4	1621.4	1621.4
180°	1621.4	1621.4	1621.4	1621.4	1621.4



TEST NUMBER: P935026
 CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-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	8.86	9.57	9.96	10.67	12.19	11.71	12.42	12.81	13.52	15.04
	3H	9.32	9.96	10.43	11.07	12.60	13.05	13.69	14.16	14.80	16.33
	4H	9.51	10.11	10.63	11.22	12.76	13.49	14.10	14.61	15.21	16.74
	6H	9.62	10.18	10.75	11.29	12.84	13.77	14.33	14.90	15.44	16.99
	8H	9.61	10.15	10.75	11.27	12.81	13.85	14.38	14.98	15.51	17.05
	12H	9.58	10.09	10.72	11.21	12.77	13.88	14.39	15.02	15.51	17.07
4H	2H	9.88	10.48	11.00	11.59	13.13	12.10	12.71	13.23	13.81	15.35
	3H	10.89	11.40	12.02	12.53	14.08	13.60	14.10	14.73	15.24	16.79
	4H	11.16	11.63	12.30	12.75	14.32	14.12	14.59	15.26	15.71	17.28
	6H	11.28	11.68	12.42	12.82	14.38	14.49	14.88	15.63	16.03	17.59
	8H	11.28	11.65	12.42	12.79	14.37	14.59	14.96	15.74	16.10	17.68
	12H	11.24	11.58	12.40	12.73	14.31	14.65	14.98	15.81	16.13	17.71
8H	4H	11.60	11.98	12.75	13.12	14.69	14.24	14.61	15.38	15.75	17.32
	6H	11.86	12.17	13.02	13.35	14.92	14.67	14.98	15.84	16.16	17.73
	8H	11.90	12.17	13.07	13.33	14.92	14.83	15.09	16.00	16.25	17.85
	12H	11.88	12.11	13.05	13.27	14.90	14.92	15.16	16.09	16.31	17.94
12H	4H	11.60	11.94	12.76	13.09	14.67	14.19	14.53	15.35	15.68	17.26
	6H	11.92	12.19	13.09	13.35	14.94	14.67	14.94	15.84	16.09	17.69
	8H	11.98	12.22	13.15	13.37	15.00	14.82	15.06	16.00	16.22	17.84