

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: P935056

Luminaire Tested: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935056
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

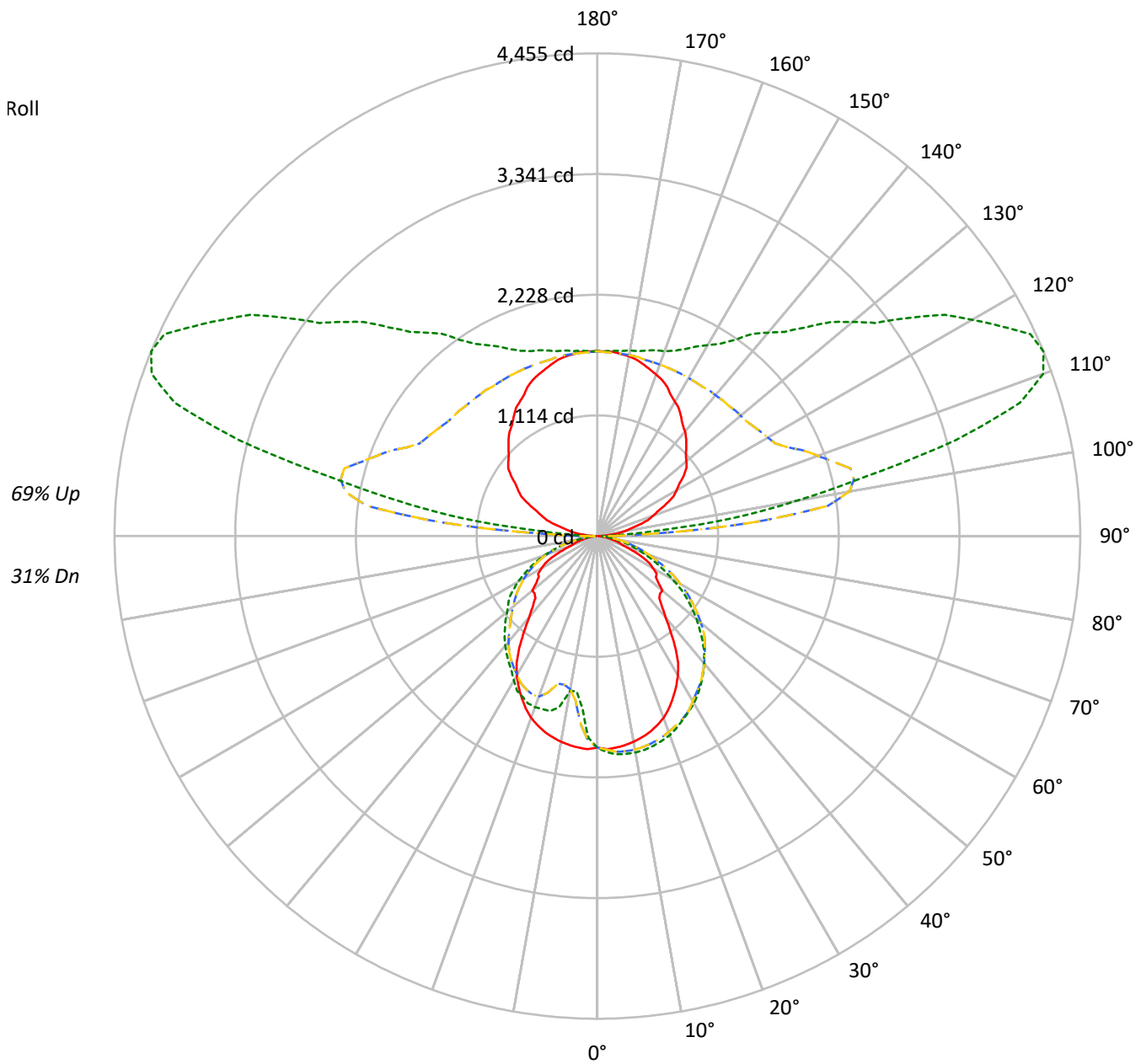
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16127.6 lumens
Efficiency: N/A
Efficacy: 130.5 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: P935056
CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6036	6036	6036	6036
5°	6084	6094	6084	4791
10°	6045	6002	6045	4291
15°	5982	5872	5982	4904
20°	5859	5718	5859	4914
25°	5605	5494	5605	4810
30°	5277	5307	5277	4581
35°	4706	5071	4706	4330
40°	3923	4793	3923	4140
45°	3508	4468	3508	3922
50°	3730	4080	3730	3702
55°	3513	3663	3513	3576
60°	3626	3111	3626	3275
65°	3292	2572	3292	2874
70°	2285	2049	2285	2410
75°	2011	1515	2011	1814
80°	1633	1002	1633	1091
85°	956	531	956	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5374 cd/sqm



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	1.1
10°-20°	500.2	3.1
20°-30°	773.2	4.8
30°-40°	923.0	5.7
40°-50°	928.4	5.8
50°-60°	807.9	5.0
60°-70°	572.8	3.6
70°-80°	303.0	1.9
80°-90°	82.0	0.5
90°-100°	831.7	5.2
100°-110°	2186.6	13.6
110°-120°	2267.3	14.1
120°-130°	1818.6	11.3
130°-140°	1427.0	8.8
140°-150°	1095.3	6.8
150°-160°	788.8	4.9
160°-170°	482.6	3.0
170°-180°	163.0	1.0
0°-30°	1449.5	9.0
0°-40°	2372.6	14.7
0°-60°	4108.9	25.5
0°-90°	5066.7	31.4
90°-120°	5285.6	32.8
90°-150°	9626.5	59.7
90°-180°	11061.0	68.6
0°-180°	16127.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1952	1952	1952	1952	1952	
5°	1961	2022	1961	1590	1961	186
15°	1872	2003	1872	1673	1872	527
25°	1649	1868	1649	1636	1649	757
35°	1254	1667	1254	1424	1254	776
45°	809	1374	809	1206	809	648
55°	659	1014	659	990	659	606
65°	458	611	458	683	458	438
75°	174	290	174	347	174	182
85°	30	74	30	63	30	40
90°	12	44	12	44	12	11
95°	110	503	110	503	110	122
105°	394	3424	394	3424	394	418
115°	700	4409	700	4409	700	691
125°	973	3511	973	3511	973	864
135°	1160	2724	1160	2724	1160	898
145°	1346	2210	1346	2210	1346	843
155°	1521	1903	1521	1903	1521	699
165°	1641	1773	1641	1773	1641	463
175°	1706	1718	1706	1718	1706	162
180°	1706	1706	1706	1706	1706	



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1968.2	1968.2	1979.3	1983.0	1983.0	1977.4	1971.9	1977.4	1994.1	1999.6	1997.7
5°	1960.8	1975.6	1995.9	1999.6	2003.3	2001.5	1997.7	2001.5	2019.9	2023.6	2025.4
7.5°	1946.1	1973.8	1999.6	2005.2	2010.7	2005.2	2003.3	2007.0	2025.4	2029.1	2029.1
10°	1927.6	1966.3	1995.9	1999.6	2005.2	1999.6	1999.6	2007.0	2025.4	2029.1	2031.0
12.5°	1901.7	1955.3	1983.0	1986.7	1994.1	1992.2	1990.4	1997.7	2016.3	2019.9	2019.9
15°	1872.2	1935.0	1960.8	1964.5	1977.4	1973.8	1973.8	1981.1	2001.5	2007.0	2005.2
17.5°	1831.6	1909.2	1938.7	1944.2	1953.5	1951.6	1953.5	1960.8	1979.3	1983.0	1984.9
20°	1785.5	1874.0	1909.2	1914.7	1923.9	1923.9	1923.9	1933.1	1951.6	1959.0	1959.0
22.5°	1722.7	1837.1	1874.0	1877.8	1888.8	1888.8	1892.6	1905.4	1922.0	1923.9	1923.9
25°	1648.8	1796.5	1827.9	1839.0	1850.1	1855.6	1861.2	1868.5	1874.0	1872.2	1874.0
27.5°	1571.3	1744.8	1785.5	1792.8	1807.6	1813.1	1820.5	1822.4	1824.2	1829.7	1826.0
30°	1484.5	1672.8	1733.7	1741.1	1765.1	1768.9	1761.4	1765.1	1774.4	1778.0	1781.7
32.5°	1386.6	1565.7	1680.2	1696.8	1718.9	1707.9	1706.0	1711.6	1726.4	1726.4	1730.0
35°	1253.7	1482.6	1630.4	1645.2	1661.8	1648.8	1656.2	1658.0	1667.3	1672.8	1670.9
37.5°	1107.8	1410.6	1578.6	1589.7	1602.7	1586.1	1597.1	1602.7	1610.0	1606.3	1606.3
40°	978.5	1298.0	1517.7	1525.1	1536.1	1523.3	1534.3	1538.1	1541.7	1538.1	1536.1
42.5°	882.5	1174.3	1453.1	1462.3	1454.9	1464.2	1467.9	1475.3	1469.7	1462.3	1462.3
45°	808.7	1141.1	1383.0	1394.0	1383.0	1397.7	1403.2	1403.2	1386.6	1383.0	1381.0
47.5°	784.7	1074.6	1312.8	1312.8	1307.3	1325.7	1334.9	1322.0	1305.4	1299.8	1299.8
50°	782.9	1000.7	1216.8	1209.3	1235.2	1257.3	1248.2	1235.2	1222.3	1202.0	1202.0
52.5°	710.8	910.3	1093.1	1120.8	1161.3	1174.3	1159.5	1146.6	1124.5	1115.2	1107.8
55°	659.2	816.1	980.4	1035.8	1078.3	1094.9	1067.2	1054.2	1021.0	1015.5	1011.9
57.5°	648.1	679.5	877.0	947.2	998.9	997.1	980.4	956.4	928.7	923.2	921.4
60°	594.6	491.2	766.3	849.3	902.8	897.3	882.5	860.4	834.6	830.9	827.2
62.5°	539.1	356.3	640.6	734.9	810.5	808.7	795.8	762.5	744.1	734.9	727.5
65°	457.9	299.1	456.1	611.2	720.1	723.8	696.1	672.1	651.7	640.6	638.8
67.5°	349.0	243.7	308.3	509.6	633.3	629.6	594.6	583.5	557.6	552.1	541.0
70°	258.5	162.5	214.2	413.6	548.4	539.1	511.4	498.5	474.5	461.6	454.2
72.5°	214.2	131.0	156.9	321.3	461.6	450.5	426.5	411.8	391.4	380.4	373.0
75°	173.5	138.5	120.0	238.1	374.8	367.4	345.2	330.5	313.9	299.1	300.9
77.5°	127.4	129.2	96.0	175.4	297.2	286.2	273.3	254.8	247.4	232.6	232.6
80°	96.0	101.6	72.0	120.0	214.2	214.2	203.1	190.1	177.2	169.9	169.9
82.5°	64.6	64.6	53.5	75.7	145.8	140.3	133.0	129.2	121.9	118.2	118.2
85°	29.5	36.9	33.2	46.2	79.4	83.1	83.1	79.4	77.5	73.9	75.7
87.5°	9.3	16.6	20.3	25.9	40.7	42.5	44.3	44.3	44.3	46.2	46.2
90°	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0	43.5	43.5
92.5°	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4	217.6	209.0
95°	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9	738.6	712.3
97.5°	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3	1705.1	1655.2
100°	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8	2394.4	2335.1
102.5°	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8	2983.1	2932.1
105°	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6	3670.1	3642.8
107.5°	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9	4027.4	4034.0
110°	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8	4119.0	4147.5



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2	4060.6	4104.4
115°	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5	3862.5	3923.1
117.5°	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4	3588.8	3656.1
120°	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0	3404.5	3469.9
122.5°	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4	3220.1	3284.6
125°	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2	2976.2	3035.6
127.5°	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6	2780.3	2830.4
130°	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2	2656.7	2703.1
132.5°	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2	2551.4	2592.9
135°	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3	2402.4	2438.2
137.5°	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4	2292.6	2321.9
140°	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9	2204.4	2231.7
142.5°	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7	2142.5	2166.0
145°	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0	2049.8	2067.6
147.5°	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1	1971.9	1986.7
150°	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3	1927.3	1939.2
152.5°	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6	1891.7	1900.7
155°	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4	1849.3	1855.3
157.5°	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0	1812.7	1816.9
160°	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8	1794.4	1796.8
162.5°	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3	1777.2	1779.5
165°	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8	1750.9	1753.3
167.5°	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0	1739.5	1740.5
170°	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0	1739.5	1739.5
172.5°	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8	1730.3	1729.4
175°	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4	1717.6	1717.6
177.5°	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7	1715.4	1714.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	2001.5	1995.9	2001.5	1997.7	1999.6	1994.1	1977.4	1971.9	1977.4	1983.0	1983.0
5°	2025.4	2021.8	2025.4	2025.4	2023.6	2019.9	2001.5	1997.7	2001.5	2003.3	1999.6
7.5°	2032.9	2027.3	2032.9	2029.1	2029.1	2025.4	2007.0	2003.3	2005.2	2010.7	2005.2
10°	2032.9	2027.3	2032.9	2031.0	2029.1	2025.4	2007.0	1999.6	1999.6	2005.2	1999.6
12.5°	2023.6	2019.9	2023.6	2019.9	2019.9	2016.3	1997.7	1990.4	1992.2	1994.1	1986.7
15°	2008.8	2003.3	2008.8	2005.2	2007.0	2001.5	1981.1	1973.8	1973.8	1977.4	1964.5
17.5°	1986.7	1979.3	1986.7	1984.9	1983.0	1979.3	1960.8	1953.5	1951.6	1953.5	1944.2
20°	1960.8	1955.3	1960.8	1959.0	1959.0	1951.6	1933.1	1923.9	1923.9	1923.9	1914.7
22.5°	1920.2	1914.7	1920.2	1923.9	1923.9	1922.0	1905.4	1892.6	1888.8	1888.8	1877.8
25°	1874.0	1868.5	1874.0	1874.0	1872.2	1874.0	1868.5	1861.2	1855.6	1850.1	1839.0
27.5°	1829.7	1826.0	1829.7	1826.0	1829.7	1824.2	1822.4	1820.5	1813.1	1807.6	1792.8
30°	1785.5	1781.7	1785.5	1781.7	1778.0	1774.4	1765.1	1761.4	1768.9	1765.1	1741.1
32.5°	1730.0	1726.4	1730.0	1730.0	1726.4	1726.4	1711.6	1706.0	1707.9	1718.9	1696.8
35°	1672.8	1667.3	1672.8	1670.9	1672.8	1667.3	1658.0	1656.2	1648.8	1661.8	1645.2
37.5°	1606.3	1600.8	1606.3	1606.3	1606.3	1610.0	1602.7	1597.1	1586.1	1602.7	1589.7
40°	1538.1	1530.6	1538.1	1536.1	1538.1	1541.7	1538.1	1534.3	1523.3	1536.1	1525.1
42.5°	1460.5	1458.6	1460.5	1462.3	1462.3	1469.7	1475.3	1467.9	1464.2	1454.9	1462.3
45°	1377.4	1373.7	1377.4	1381.0	1383.0	1386.6	1403.2	1403.2	1397.7	1383.0	1394.0
47.5°	1288.7	1279.5	1288.7	1299.8	1299.8	1305.4	1322.0	1334.9	1325.7	1307.3	1312.8
50°	1194.6	1196.4	1194.6	1202.0	1202.0	1222.3	1235.2	1248.2	1257.3	1235.2	1209.3
52.5°	1102.2	1100.4	1102.2	1107.8	1115.2	1124.5	1146.6	1159.5	1174.3	1161.3	1120.8
55°	1009.9	1013.7	1009.9	1011.9	1015.5	1021.0	1054.2	1067.2	1094.9	1078.3	1035.8
57.5°	917.6	912.1	917.6	921.4	923.2	928.7	956.4	980.4	997.1	998.9	947.2
60°	810.5	803.2	810.5	827.2	830.9	834.6	860.4	882.5	897.3	902.8	849.3
62.5°	716.4	703.5	716.4	727.5	734.9	744.1	762.5	795.8	808.7	810.5	734.9
65°	616.7	611.2	616.7	638.8	640.6	651.7	672.1	696.1	723.8	720.1	611.2
67.5°	526.2	526.2	526.2	541.0	552.1	557.6	583.5	594.6	629.6	633.3	509.6
70°	443.2	441.3	443.2	454.2	461.6	474.5	498.5	511.4	539.1	548.4	413.6
72.5°	363.8	361.8	363.8	373.0	380.4	391.4	411.8	426.5	450.5	461.6	321.3
75°	293.6	289.9	293.6	300.9	299.1	313.9	330.5	345.2	367.4	374.8	238.1
77.5°	225.3	225.3	225.3	232.6	232.6	247.4	254.8	273.3	286.2	297.2	175.4
80°	168.0	166.2	168.0	169.9	169.9	177.2	190.1	203.1	214.2	214.2	120.0
82.5°	118.2	114.4	118.2	118.2	118.2	121.9	129.2	133.0	140.3	145.8	75.7
85°	73.9	73.9	73.9	75.7	73.9	77.5	79.4	83.1	83.1	79.4	46.2
87.5°	48.0	46.2	48.0	46.2	46.2	44.3	44.3	44.3	42.5	40.7	25.9
90°	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8	50.4	32.0
92.5°	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3	310.7	221.0
95°	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9	764.5	430.6
97.5°	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3	1029.8	473.0
100°	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4	1126.4	508.4
102.5°	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4	1170.7	543.9
105°	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8	1203.6	596.6
107.5°	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1	1209.6	674.5
110°	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7	1200.4	718.0



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5	1200.9	770.7
115°	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9	1211.9	849.7
117.5°	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2	1234.5	926.4
120°	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4	1252.8	971.1
122.5°	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6	1279.2	1023.8
125°	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4	1314.6	1091.3
127.5°	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2	1350.1	1156.6
130°	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7	1376.1	1200.1
132.5°	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3	1397.0	1235.6
135°	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8	1419.9	1276.8
137.5°	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7	1454.3	1329.5
140°	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4	1475.3	1365.0
142.5°	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2	1492.8	1391.3
145°	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3	1515.8	1431.4
147.5°	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5	1549.3	1481.8
150°	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3	1567.0	1508.1
152.5°	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1	1578.3	1525.3
155°	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5	1603.6	1563.1
157.5°	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0	1628.8	1600.9
160°	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7	1640.2	1618.1
162.5°	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8	1652.4	1636.3
165°	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7	1669.9	1662.7
167.5°	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9	1683.7	1677.6
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6	1695.2	1694.8
172.5°	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2	1702.8	1706.3
177.5°	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0	1703.6	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1979.3	1968.2	1968.2	1949.7	1942.4	1936.8	1927.6	1899.9	1892.6	1885.1	1896.2
5°	1995.9	1975.6	1960.8	1927.6	1899.9	1888.8	1853.7	1787.3	1743.0	1709.8	1691.3
7.5°	1999.6	1973.8	1946.1	1894.4	1827.9	1798.3	1691.3	1569.4	1536.1	1506.7	1488.1
10°	1995.9	1966.3	1927.6	1850.1	1693.1	1641.4	1534.3	1454.9	1434.6	1429.1	1434.6
12.5°	1983.0	1955.3	1901.7	1772.5	1552.8	1517.7	1454.9	1408.8	1405.1	1414.4	1464.2
15°	1960.8	1935.0	1872.2	1669.1	1475.3	1449.4	1405.1	1388.5	1408.8	1473.4	1622.9
17.5°	1938.7	1909.2	1831.6	1567.6	1416.2	1397.7	1366.3	1399.6	1514.0	1600.8	1650.7
20°	1909.2	1874.0	1785.5	1493.7	1373.7	1357.1	1342.3	1491.9	1578.6	1610.0	1637.7
22.5°	1874.0	1837.1	1722.7	1442.0	1329.4	1316.4	1325.7	1543.6	1578.6	1600.8	1624.8
25°	1827.9	1796.5	1648.8	1401.4	1294.3	1279.5	1314.6	1538.1	1558.3	1563.8	1611.8
27.5°	1785.5	1744.8	1571.3	1364.4	1251.8	1246.3	1323.9	1514.0	1528.8	1534.3	1586.1
30°	1733.7	1672.8	1484.5	1325.7	1207.5	1205.7	1325.7	1484.5	1480.8	1495.6	1547.2
32.5°	1680.2	1565.7	1386.6	1277.7	1165.0	1163.2	1312.8	1440.1	1436.5	1456.7	1495.6
35°	1630.4	1482.6	1253.7	1222.3	1111.5	1113.3	1281.4	1388.5	1390.3	1408.8	1432.8
37.5°	1578.6	1410.6	1107.8	1161.3	1059.8	1059.8	1238.9	1340.5	1336.8	1342.3	1375.5
40°	1517.7	1298.0	978.5	1082.0	1011.9	1006.3	1187.2	1288.7	1275.9	1274.0	1320.1
42.5°	1453.1	1174.3	882.5	976.7	956.4	949.0	1124.5	1225.9	1202.0	1207.5	1266.6
45°	1383.0	1141.1	808.7	825.3	899.2	893.7	1056.1	1154.0	1137.4	1152.2	1213.1
47.5°	1312.8	1074.6	784.7	685.0	838.2	836.4	980.4	1083.8	1074.6	1089.4	1154.0
50°	1216.8	1000.7	782.9	587.1	769.9	777.3	890.0	1015.5	1015.5	1028.5	1096.7
52.5°	1093.1	910.3	710.8	531.7	690.6	712.7	810.5	956.4	960.1	973.0	1034.0
55°	980.4	816.1	659.2	489.3	596.4	644.4	733.0	895.5	902.8	915.8	971.2
57.5°	877.0	679.5	648.1	439.4	509.6	555.8	664.7	836.4	840.1	851.2	904.8
60°	766.3	491.2	594.6	385.9	433.9	468.9	601.9	766.3	779.1	786.6	832.7
62.5°	640.6	356.3	539.1	349.0	397.0	404.3	550.2	699.7	716.4	722.0	749.7
65°	456.1	299.1	457.9	317.6	358.2	360.0	494.8	631.5	646.2	655.4	675.8
67.5°	308.3	243.7	349.0	288.1	328.6	330.5	441.3	552.1	572.4	579.8	592.6
70°	214.2	162.5	258.5	256.7	295.4	299.1	384.1	480.0	498.5	504.1	511.4
72.5°	156.9	131.0	214.2	230.8	260.4	264.0	325.0	398.8	417.3	422.8	426.5
75°	120.0	138.5	173.5	201.3	221.5	223.4	265.9	325.0	337.9	341.6	343.4
77.5°	96.0	129.2	127.4	162.5	181.0	177.2	208.7	251.1	262.2	262.2	262.2
80°	72.0	101.6	96.0	116.4	133.0	129.2	149.6	179.1	182.8	186.5	184.6
82.5°	53.5	64.6	64.6	73.9	88.6	85.0	99.7	116.4	116.4	116.4	120.0
85°	33.2	36.9	29.5	38.8	49.8	48.0	55.4	62.8	64.6	64.6	60.9
87.5°	20.3	16.6	9.3	14.8	22.1	22.1	25.9	27.7	25.9	25.9	25.9
90°	29.7	20.6	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0
92.5°	201.5	123.6	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4
95°	395.0	252.5	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9
97.5°	441.5	315.8	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3
100°	479.9	365.9	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8
102.5°	517.3	410.9	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8
105°	574.1	484.0	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6
107.5°	653.5	569.5	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9
110°	699.0	623.2	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	752.6	680.4	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2
115°	833.0	766.4	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5
117.5°	911.3	850.7	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4
120°	956.9	899.8	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0
122.5°	1009.4	951.9	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4
125°	1078.2	1025.8	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2
127.5°	1143.4	1090.4	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6
130°	1185.8	1128.9	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2
132.5°	1221.4	1164.4	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2
135°	1263.8	1211.9	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3
137.5°	1316.6	1265.2	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4
140°	1353.1	1305.9	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9
142.5°	1380.4	1336.6	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7
145°	1421.9	1383.7	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0
147.5°	1472.5	1435.4	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1
150°	1499.7	1466.1	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3
152.5°	1519.0	1493.5	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6
155°	1558.4	1539.5	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4
157.5°	1596.3	1578.0	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0
160°	1614.5	1600.3	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8
162.5°	1633.7	1622.9	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3
165°	1660.3	1650.6	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8
167.5°	1676.4	1671.9	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0
170°	1693.7	1689.1	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0
172.5°	1695.6	1694.6	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8
175°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4
177.5°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935056
 CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1883.3	1877.8	1885.1	1864.8	1885.1	1877.8	1883.3	1896.2	1885.1	1892.6	1899.9
5°	1652.5	1643.2	1613.8	1589.7	1613.8	1643.2	1652.5	1691.3	1709.8	1743.0	1787.3
7.5°	1477.1	1469.7	1462.3	1447.6	1462.3	1469.7	1477.1	1488.1	1506.7	1536.1	1569.4
10°	1438.3	1440.1	1451.2	1449.4	1451.2	1440.1	1438.3	1434.6	1429.1	1434.6	1454.9
12.5°	1538.1	1554.7	1615.6	1611.8	1615.6	1554.7	1538.1	1464.2	1414.4	1405.1	1408.8
15°	1652.5	1658.0	1670.9	1672.8	1670.9	1658.0	1652.5	1622.9	1473.4	1408.8	1388.5
17.5°	1663.6	1665.4	1674.6	1674.6	1674.6	1665.4	1663.6	1650.7	1600.8	1514.0	1399.6
20°	1654.3	1658.0	1676.5	1680.2	1676.5	1658.0	1654.3	1637.7	1610.0	1578.6	1491.9
22.5°	1650.7	1658.0	1672.8	1670.9	1672.8	1658.0	1650.7	1624.8	1600.8	1578.6	1543.6
25°	1632.2	1632.2	1634.0	1635.9	1634.0	1632.2	1632.2	1611.8	1563.8	1558.3	1538.1
27.5°	1593.4	1597.1	1608.2	1606.3	1608.2	1597.1	1593.4	1586.1	1534.3	1528.8	1514.0
30°	1558.3	1554.7	1545.4	1538.1	1545.4	1554.7	1558.3	1547.2	1495.6	1480.8	1484.5
32.5°	1499.2	1490.0	1480.8	1475.3	1480.8	1490.0	1499.2	1495.6	1456.7	1436.5	1440.1
35°	1429.1	1431.0	1429.1	1423.5	1429.1	1431.0	1429.1	1432.8	1408.8	1390.3	1388.5
37.5°	1379.2	1383.0	1381.0	1373.7	1381.0	1383.0	1379.2	1375.5	1342.3	1336.8	1340.5
40°	1327.5	1329.4	1327.5	1322.0	1327.5	1329.4	1327.5	1320.1	1274.0	1275.9	1288.7
42.5°	1277.7	1275.9	1270.3	1266.6	1270.3	1275.9	1277.7	1266.6	1207.5	1202.0	1225.9
45°	1220.4	1222.3	1211.2	1205.7	1211.2	1222.3	1220.4	1213.1	1152.2	1137.4	1154.0
47.5°	1163.2	1163.2	1154.0	1148.4	1154.0	1163.2	1163.2	1154.0	1089.4	1074.6	1083.8
50°	1102.2	1100.4	1087.5	1085.6	1087.5	1100.4	1102.2	1096.7	1028.5	1015.5	1015.5
52.5°	1032.1	1032.1	1034.0	1037.6	1034.0	1032.1	1032.1	1034.0	973.0	960.1	956.4
55°	971.2	973.0	986.0	989.6	986.0	973.0	971.2	971.2	915.8	902.8	895.5
57.5°	908.4	908.4	917.6	917.6	917.6	908.4	908.4	904.8	851.2	840.1	836.4
60°	836.4	840.1	847.5	845.7	847.5	840.1	836.4	832.7	786.6	779.1	766.3
62.5°	760.7	764.4	766.3	762.5	766.3	764.4	760.7	749.7	722.0	716.4	699.7
65°	681.3	685.0	686.8	683.1	686.8	685.0	681.3	675.8	655.4	646.2	631.5
67.5°	600.1	598.2	596.4	603.8	596.4	598.2	600.1	592.6	579.8	572.4	552.1
70°	516.9	516.9	515.1	518.9	515.1	516.9	516.9	511.4	504.1	498.5	480.0
72.5°	428.4	426.5	433.9	428.4	433.9	426.5	428.4	426.5	422.8	417.3	398.8
75°	341.6	345.2	341.6	347.1	341.6	345.2	341.6	343.4	341.6	337.9	325.0
77.5°	260.4	264.0	260.4	260.4	260.4	264.0	260.4	262.2	262.2	262.2	251.1
80°	184.6	182.8	182.8	181.0	182.8	182.8	184.6	184.6	186.5	182.8	179.1
82.5°	118.2	116.4	116.4	120.0	116.4	116.4	118.2	120.0	116.4	116.4	116.4
85°	64.6	66.4	62.8	62.8	62.8	66.4	64.6	60.9	64.6	64.6	62.8
87.5°	24.0	22.1	22.1	22.1	22.1	22.1	24.0	25.9	25.9	25.9	27.7
90°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8
92.5°	217.6	209.0	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3
95°	738.6	712.3	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9
97.5°	1705.1	1655.2	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3
100°	2394.4	2335.1	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4
102.5°	2983.1	2932.1	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4
105°	3670.1	3642.8	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8
107.5°	4027.4	4034.0	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1
110°	4119.0	4147.5	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4060.6	4104.4	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5
115°	3862.5	3923.1	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9
117.5°	3588.8	3656.1	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2
120°	3404.5	3469.9	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4
122.5°	3220.1	3284.6	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6
125°	2976.2	3035.6	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4
127.5°	2780.3	2830.4	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2
130°	2656.7	2703.1	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7
132.5°	2551.4	2592.9	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3
135°	2402.4	2438.2	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8
137.5°	2292.6	2321.9	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7
140°	2204.4	2231.7	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4
142.5°	2142.5	2166.0	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2
145°	2049.8	2067.6	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3
147.5°	1971.9	1986.7	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5
150°	1927.3	1939.2	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3
152.5°	1891.7	1900.7	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1
155°	1849.3	1855.3	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5
157.5°	1812.7	1816.9	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0
160°	1794.4	1796.8	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7
162.5°	1777.2	1779.5	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8
165°	1750.9	1753.3	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7
167.5°	1739.5	1740.5	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6
172.5°	1730.3	1729.4	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2
177.5°	1715.4	1714.3	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1951.6	1951.6	1951.6	1951.6	1951.6
2.5°	1927.6	1936.8	1942.4	1949.7	1968.2
5°	1853.7	1888.8	1899.9	1927.6	1960.8
7.5°	1691.3	1798.3	1827.9	1894.4	1946.1
10°	1534.3	1641.4	1693.1	1850.1	1927.6
12.5°	1454.9	1517.7	1552.8	1772.5	1901.7
15°	1405.1	1449.4	1475.3	1669.1	1872.2
17.5°	1366.3	1397.7	1416.2	1567.6	1831.6
20°	1342.3	1357.1	1373.7	1493.7	1785.5
22.5°	1325.7	1316.4	1329.4	1442.0	1722.7
25°	1314.6	1279.5	1294.3	1401.4	1648.8
27.5°	1323.9	1246.3	1251.8	1364.4	1571.3
30°	1325.7	1205.7	1207.5	1325.7	1484.5
32.5°	1312.8	1163.2	1165.0	1277.7	1386.6
35°	1281.4	1113.3	1111.5	1222.3	1253.7
37.5°	1238.9	1059.8	1059.8	1161.3	1107.8
40°	1187.2	1006.3	1011.9	1082.0	978.5
42.5°	1124.5	949.0	956.4	976.7	882.5
45°	1056.1	893.7	899.2	825.3	808.7
47.5°	980.4	836.4	838.2	685.0	784.7
50°	890.0	777.3	769.9	587.1	782.9
52.5°	810.5	712.7	690.6	531.7	710.8
55°	733.0	644.4	596.4	489.3	659.2
57.5°	664.7	555.8	509.6	439.4	648.1
60°	601.9	468.9	433.9	385.9	594.6
62.5°	550.2	404.3	397.0	349.0	539.1
65°	494.8	360.0	358.2	317.6	457.9
67.5°	441.3	330.5	328.6	288.1	349.0
70°	384.1	299.1	295.4	256.7	258.5
72.5°	325.0	264.0	260.4	230.8	214.2
75°	265.9	223.4	221.5	201.3	173.5
77.5°	208.7	177.2	181.0	162.5	127.4
80°	149.6	129.2	133.0	116.4	96.0
82.5°	99.7	85.0	88.6	73.9	64.6
85°	55.4	48.0	49.8	38.8	29.5
87.5°	25.9	22.1	22.1	14.8	9.3
90°	50.4	32.0	29.7	20.6	11.5
92.5°	310.7	221.0	201.5	123.6	45.8
95°	764.5	430.6	395.0	252.5	109.9
97.5°	1029.8	473.0	441.5	315.8	190.1
100°	1126.4	508.4	479.9	365.9	251.9
102.5°	1170.7	543.9	517.3	410.9	304.6
105°	1203.6	596.6	574.1	484.0	394.0
107.5°	1209.6	674.5	653.5	569.5	485.6
110°	1200.4	718.0	699.0	623.2	547.4



TEST NUMBER: P935056

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1200.9	770.7	752.6	680.4	608.1
115°	1211.9	849.7	833.0	766.4	699.7
117.5°	1234.5	926.4	911.3	850.7	790.1
120°	1252.8	971.1	956.9	899.8	842.8
122.5°	1279.2	1023.8	1009.4	951.9	894.4
125°	1314.6	1091.3	1078.2	1025.8	973.4
127.5°	1350.1	1156.6	1143.4	1090.4	1037.5
130°	1376.1	1200.1	1185.8	1128.9	1071.9
132.5°	1397.0	1235.6	1221.4	1164.4	1107.4
135°	1419.9	1276.8	1263.8	1211.9	1160.1
137.5°	1454.3	1329.5	1316.6	1265.2	1213.8
140°	1475.3	1365.0	1353.1	1305.9	1258.5
142.5°	1492.8	1391.3	1380.4	1336.6	1292.8
145°	1515.8	1431.4	1421.9	1383.7	1345.5
147.5°	1549.3	1481.8	1472.5	1435.4	1398.2
150°	1567.0	1508.1	1499.7	1466.1	1432.5
152.5°	1578.3	1525.3	1519.0	1493.5	1468.0
155°	1603.6	1563.1	1558.4	1539.5	1520.7
157.5°	1628.8	1600.9	1596.3	1578.0	1559.6
160°	1640.2	1618.1	1614.5	1600.3	1586.0
162.5°	1652.4	1636.3	1633.7	1622.9	1612.3
165°	1669.9	1662.7	1660.3	1650.6	1640.9
167.5°	1683.7	1677.6	1676.4	1671.9	1667.3
170°	1695.2	1694.8	1693.7	1689.1	1684.5
172.5°	1695.9	1695.9	1695.6	1694.6	1693.6
175°	1702.8	1706.3	1706.3	1706.3	1706.3
177.5°	1703.6	1706.3	1706.3	1706.3	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935056
 CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.03	9.75	10.14	10.85	12.36	11.89	12.60	12.99	13.70	15.21
	3H	9.50	10.14	10.61	11.25	12.78	13.23	13.87	14.34	14.97	16.51
	4H	9.68	10.29	10.80	11.40	12.94	13.67	14.28	14.79	15.38	16.92
	6H	9.80	10.35	10.92	11.47	13.01	13.95	14.51	15.08	15.62	17.17
	8H	9.79	10.32	10.92	11.45	12.99	14.02	14.56	15.16	15.68	17.22
	12H	9.76	10.26	10.89	11.38	12.95	14.06	14.57	15.20	15.69	17.25
4H	2H	10.05	10.66	11.18	11.77	13.31	12.28	12.88	13.40	13.99	15.53
	3H	11.07	11.57	12.20	12.71	14.26	13.77	14.28	14.91	15.42	16.96
	4H	11.34	11.80	12.47	12.93	14.50	14.30	14.77	15.44	15.89	17.46
	6H	11.45	11.85	12.60	13.00	14.56	14.66	15.06	15.81	16.21	17.77
	8H	11.46	11.83	12.60	12.97	14.54	14.77	15.14	15.91	16.28	17.86
	12H	11.42	11.75	12.58	12.90	14.48	14.82	15.16	15.98	16.31	17.89
8H	4H	11.78	12.15	12.93	13.29	14.87	14.41	14.79	15.56	15.92	17.50
	6H	12.04	12.35	13.20	13.53	15.10	14.85	15.16	16.01	16.34	17.91
	8H	12.08	12.35	13.25	13.51	15.10	15.00	15.27	16.17	16.43	18.02
	12H	12.06	12.29	13.23	13.45	15.08	15.10	15.33	16.27	16.49	18.12
12H	4H	11.78	12.12	12.94	13.27	14.85	14.37	14.71	15.53	15.86	17.44
	6H	12.10	12.37	13.27	13.53	15.12	14.84	15.11	16.01	16.27	17.87
	8H	12.16	12.39	13.33	13.55	15.18	15.00	15.24	16.18	16.39	18.02