

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: P935025

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935025
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-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

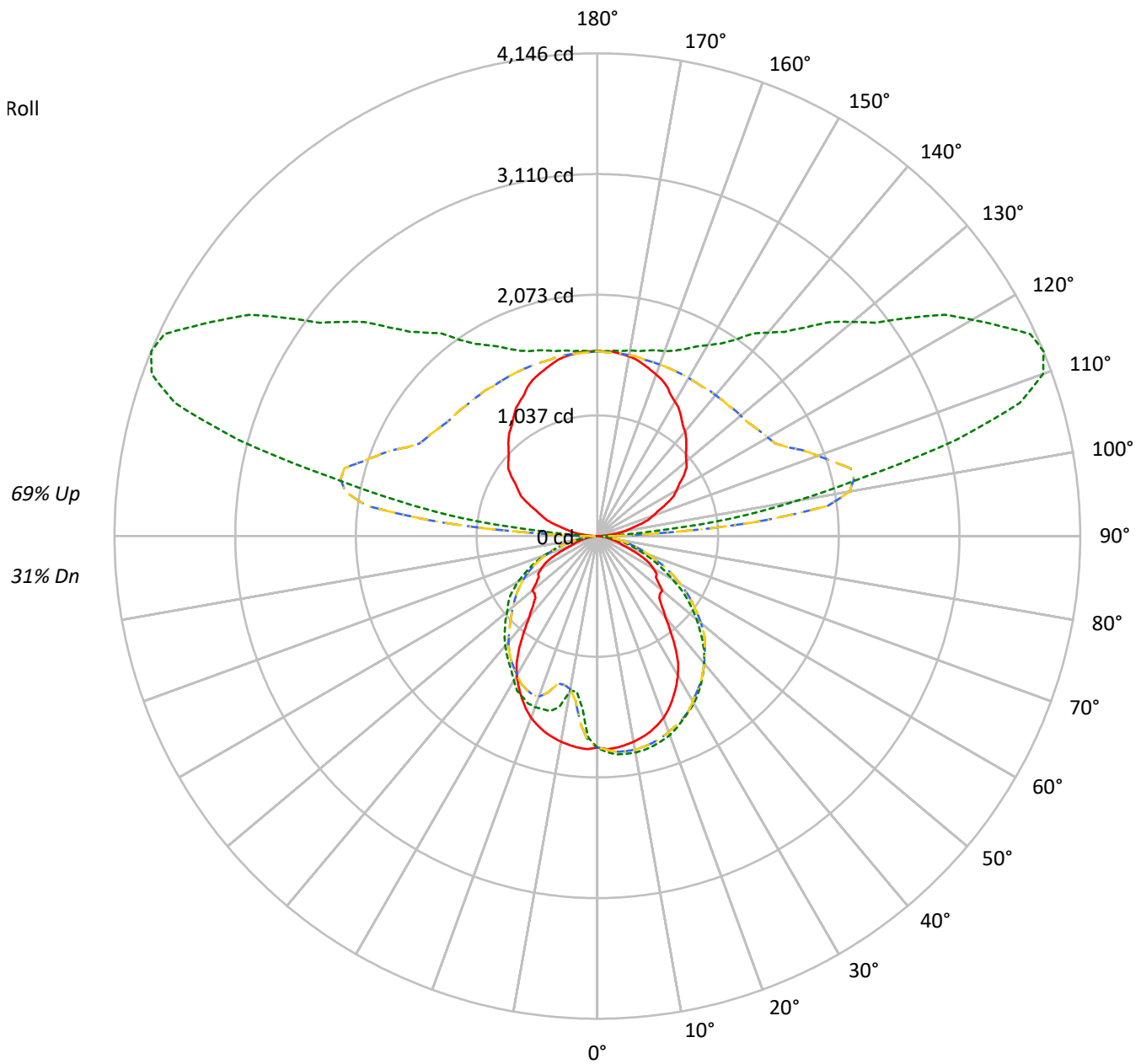
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15010.5 lumens
Efficiency: N/A
Efficacy: 121.4 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: P935025
CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5618	5618	5618	5618
5°	5662	5671	5662	4459
10°	5627	5587	5627	3994
15°	5567	5466	5567	4564
20°	5453	5322	5453	4573
25°	5217	5113	5217	4477
30°	4911	4939	4911	4264
35°	4380	4720	4380	4030
40°	3652	4461	3652	3853
45°	3265	4159	3265	3650
50°	3472	3798	3472	3446
55°	3269	3409	3269	3328
60°	3375	2895	3375	3048
65°	3065	2393	3065	2675
70°	2127	1908	2127	2243
75°	1872	1410	1872	1688
80°	1519	932	1519	1015
85°	891	494	891	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5002 cd/sqm



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	1.1
10°-20°	465.5	3.1
20°-30°	719.6	4.8
30°-40°	859.1	5.7
40°-50°	864.1	5.8
50°-60°	751.9	5.0
60°-70°	533.1	3.6
70°-80°	282.0	1.9
80°-90°	76.3	0.5
90°-100°	774.1	5.2
100°-110°	2035.1	13.6
110°-120°	2110.2	14.1
120°-130°	1692.7	11.3
130°-140°	1328.1	8.8
140°-150°	1019.4	6.8
150°-160°	734.1	4.9
160°-170°	449.2	3.0
170°-180°	151.8	1.0
0°-30°	1349.1	9.0
0°-40°	2208.2	14.7
0°-60°	3824.3	25.5
0°-90°	4715.7	31.4
90°-120°	4919.5	32.8
90°-150°	8959.7	59.7
90°-180°	10295.0	68.6
0°-180°	15010.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1816	1816	1816	1816	1816	
5°	1825	1882	1825	1480	1825	173
15°	1742	1865	1742	1557	1742	490
25°	1535	1739	1535	1523	1535	705
35°	1167	1552	1167	1325	1167	722
45°	753	1278	753	1122	753	603
55°	614	944	614	921	614	564
65°	426	569	426	636	426	407
75°	162	270	162	323	162	170
85°	28	69	28	58	28	37
90°	11	40	11	40	11	10
95°	102	468	102	468	102	114
105°	367	3187	367	3187	367	389
115°	651	4103	651	4103	651	643
125°	906	3268	906	3268	906	804
135°	1080	2536	1080	2536	1080	835
145°	1252	2057	1252	2057	1252	785
155°	1415	1771	1415	1771	1415	650
165°	1527	1650	1527	1650	1527	431
175°	1588	1599	1588	1599	1588	151
180°	1588	1588	1588	1588	1588	



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1831.8	1831.8	1842.2	1845.6	1845.6	1840.5	1835.4	1840.5	1855.9	1861.1	1859.4
5°	1825.0	1838.8	1857.6	1861.1	1864.6	1862.9	1859.4	1862.9	1880.0	1883.4	1885.1
7.5°	1811.3	1837.1	1861.1	1866.3	1871.4	1866.3	1864.6	1868.0	1885.1	1888.6	1888.6
10°	1794.1	1830.1	1857.6	1861.1	1866.3	1861.1	1861.1	1868.0	1885.1	1888.6	1890.4
12.5°	1770.0	1819.9	1845.6	1849.1	1855.9	1854.2	1852.5	1859.4	1876.6	1880.0	1880.0
15°	1742.5	1800.9	1825.0	1828.4	1840.5	1837.1	1837.1	1843.9	1862.9	1868.0	1866.3
17.5°	1704.8	1776.9	1804.4	1809.6	1818.2	1816.4	1818.2	1825.0	1842.2	1845.6	1847.4
20°	1661.8	1744.2	1776.9	1782.1	1790.7	1790.7	1790.7	1799.2	1816.4	1823.3	1823.3
22.5°	1603.4	1709.9	1744.2	1747.7	1758.0	1758.0	1761.5	1773.4	1788.9	1790.7	1790.7
25°	1534.6	1672.0	1701.3	1711.6	1721.9	1727.0	1732.3	1739.1	1744.2	1742.5	1744.2
27.5°	1462.4	1624.0	1661.8	1668.6	1682.4	1687.5	1694.4	1696.1	1697.8	1703.0	1699.5
30°	1381.6	1556.9	1613.6	1620.5	1642.8	1646.3	1639.4	1642.8	1651.5	1654.9	1658.3
32.5°	1290.6	1457.2	1563.8	1579.3	1599.9	1589.6	1587.8	1593.0	1606.8	1606.8	1610.2
35°	1166.8	1379.9	1517.4	1531.2	1546.7	1534.6	1541.4	1543.2	1551.8	1556.9	1555.2
37.5°	1031.1	1312.9	1469.3	1479.6	1491.6	1476.2	1486.4	1491.6	1498.5	1495.1	1495.1
40°	910.8	1208.1	1412.6	1419.5	1429.7	1417.8	1428.0	1431.5	1434.9	1431.5	1429.7
42.5°	821.4	1092.9	1352.4	1361.1	1354.1	1362.8	1366.2	1373.1	1367.9	1361.1	1361.1
45°	752.7	1062.0	1287.2	1297.4	1287.2	1300.9	1306.0	1306.0	1290.6	1287.2	1285.4
47.5°	730.4	1000.2	1221.8	1221.8	1216.7	1233.9	1242.4	1230.5	1215.0	1209.8	1209.8
50°	728.7	931.4	1132.5	1125.6	1149.7	1170.2	1161.7	1149.7	1137.6	1118.7	1118.7
52.5°	661.6	847.2	1017.4	1043.1	1080.9	1092.9	1079.2	1067.1	1046.6	1037.9	1031.1
55°	613.5	759.6	912.5	964.1	1003.6	1019.1	993.3	981.2	950.3	945.2	941.8
57.5°	603.2	632.4	816.3	881.5	929.7	928.0	912.5	890.2	864.4	859.3	857.5
60°	553.4	457.1	713.2	790.5	840.3	835.2	821.4	800.8	776.7	773.3	769.9
62.5°	501.8	331.7	596.3	684.0	754.4	752.7	740.7	709.7	692.5	684.0	677.1
65°	426.2	278.4	424.5	568.8	670.2	673.7	647.9	625.6	606.6	596.3	594.6
67.5°	324.8	226.9	287.0	474.3	589.4	586.0	553.4	543.1	519.0	513.8	503.5
70°	240.6	151.3	199.4	385.0	510.4	501.8	476.0	464.0	441.7	429.6	422.7
72.5°	199.4	122.0	146.1	299.0	429.6	419.3	397.0	383.2	364.3	354.0	347.1
75°	161.5	128.9	111.7	221.6	348.8	342.0	321.3	307.6	292.1	278.4	280.1
77.5°	118.6	120.3	89.3	163.2	276.7	266.4	254.4	237.2	230.3	216.5	216.5
80°	89.3	94.6	67.0	111.7	199.4	199.4	189.0	177.0	164.9	158.1	158.1
82.5°	60.1	60.1	49.8	70.5	135.7	130.6	123.8	120.3	113.4	110.0	110.0
85°	27.5	34.3	30.9	43.0	73.9	77.3	77.3	73.9	72.2	68.8	70.5
87.5°	8.6	15.5	18.9	24.1	37.8	39.5	41.3	41.3	41.3	43.0	43.0
90°	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0	40.5	40.5
92.5°	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1	202.5	194.5
95°	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7	687.4	663.0
97.5°	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0	1587.0	1540.6
100°	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7	2228.6	2173.3
102.5°	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0	2776.4	2729.0
105°	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3	3415.9	3390.5
107.5°	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3	3748.4	3754.6
110°	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6	3833.7	3860.2



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1	3779.3	3820.1
115°	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4	3594.9	3651.4
117.5°	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9	3340.2	3402.8
120°	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9	3168.6	3229.5
122.5°	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3	2997.0	3057.1
125°	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1	2770.0	2825.3
127.5°	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1	2587.8	2634.4
130°	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6	2472.7	2515.8
132.5°	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7	2374.6	2413.3
135°	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0	2236.0	2269.3
137.5°	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2	2133.8	2161.0
140°	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9	2051.7	2077.2
142.5°	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6	1994.1	2016.0
145°	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4	1907.8	1924.4
147.5°	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2	1835.4	1849.1
150°	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4	1793.8	1804.9
152.5°	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4	1760.7	1769.1
155°	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1	1721.2	1726.8
157.5°	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4	1687.2	1691.1
160°	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0	1670.1	1672.3
162.5°	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3	1654.1	1656.2
165°	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0	1629.6	1631.8
167.5°	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5	1619.0	1619.9
170°	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5	1619.0	1619.0
172.5°	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8	1610.5	1609.6
175°	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0	1591.9	1598.7	1598.7
177.5°	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2	1591.2	1596.5	1595.6
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1862.9	1857.6	1862.9	1859.4	1861.1	1855.9	1840.5	1835.4	1840.5	1845.6	1845.6
5°	1885.1	1881.7	1885.1	1885.1	1883.4	1880.0	1862.9	1859.4	1862.9	1864.6	1861.1
7.5°	1892.1	1886.9	1892.1	1888.6	1888.6	1885.1	1868.0	1864.6	1866.3	1871.4	1866.3
10°	1892.1	1886.9	1892.1	1890.4	1888.6	1885.1	1868.0	1861.1	1861.1	1866.3	1861.1
12.5°	1883.4	1880.0	1883.4	1880.0	1880.0	1876.6	1859.4	1852.5	1854.2	1855.9	1849.1
15°	1869.7	1864.6	1869.7	1866.3	1868.0	1862.9	1843.9	1837.1	1837.1	1840.5	1828.4
17.5°	1849.1	1842.2	1849.1	1847.4	1845.6	1842.2	1825.0	1818.2	1816.4	1818.2	1809.6
20°	1825.0	1819.9	1825.0	1823.3	1823.3	1816.4	1799.2	1790.7	1790.7	1790.7	1782.1
22.5°	1787.2	1782.1	1787.2	1790.7	1790.7	1788.9	1773.4	1761.5	1758.0	1758.0	1747.7
25°	1744.2	1739.1	1744.2	1744.2	1742.5	1744.2	1739.1	1732.3	1727.0	1721.9	1711.6
27.5°	1703.0	1699.5	1703.0	1699.5	1703.0	1697.8	1696.1	1694.4	1687.5	1682.4	1668.6
30°	1661.8	1658.3	1661.8	1658.3	1654.9	1651.5	1642.8	1639.4	1646.3	1642.8	1620.5
32.5°	1610.2	1606.8	1610.2	1610.2	1606.8	1606.8	1593.0	1587.8	1589.6	1599.9	1579.3
35°	1556.9	1551.8	1556.9	1555.2	1556.9	1551.8	1543.2	1541.4	1534.6	1546.7	1531.2
37.5°	1495.1	1489.9	1495.1	1495.1	1495.1	1498.5	1491.6	1486.4	1476.2	1491.6	1479.6
40°	1431.5	1424.6	1431.5	1429.7	1431.5	1434.9	1431.5	1428.0	1417.8	1429.7	1419.5
42.5°	1359.3	1357.6	1359.3	1361.1	1361.1	1367.9	1373.1	1366.2	1362.8	1354.1	1361.1
45°	1282.0	1278.5	1282.0	1285.4	1287.2	1290.6	1306.0	1306.0	1300.9	1287.2	1297.4
47.5°	1199.5	1190.9	1199.5	1209.8	1209.8	1215.0	1230.5	1242.4	1233.9	1216.7	1221.8
50°	1111.8	1113.5	1111.8	1118.7	1118.7	1137.6	1149.7	1161.7	1170.2	1149.7	1125.6
52.5°	1025.9	1024.2	1025.9	1031.1	1037.9	1046.6	1067.1	1079.2	1092.9	1080.9	1043.1
55°	940.0	943.5	940.0	941.8	945.2	950.3	981.2	993.3	1019.1	1003.6	964.1
57.5°	854.0	848.9	854.0	857.5	859.3	864.4	890.2	912.5	928.0	929.7	881.5
60°	754.4	747.5	754.4	769.9	773.3	776.7	800.8	821.4	835.2	840.3	790.5
62.5°	666.7	654.8	666.7	677.1	684.0	692.5	709.7	740.7	752.7	754.4	684.0
65°	574.0	568.8	574.0	594.6	596.3	606.6	625.6	647.9	673.7	670.2	568.8
67.5°	489.8	489.8	489.8	503.5	513.8	519.0	543.1	553.4	586.0	589.4	474.3
70°	412.5	410.8	412.5	422.7	429.6	441.7	464.0	476.0	501.8	510.4	385.0
72.5°	338.6	336.8	338.6	347.1	354.0	364.3	383.2	397.0	419.3	429.6	299.0
75°	273.2	269.8	273.2	280.1	278.4	292.1	307.6	321.3	342.0	348.8	221.6
77.5°	209.7	209.7	209.7	216.5	216.5	230.3	237.2	254.4	266.4	276.7	163.2
80°	156.4	154.7	156.4	158.1	158.1	164.9	177.0	189.0	199.4	199.4	111.7
82.5°	110.0	106.5	110.0	110.0	110.0	113.4	120.3	123.8	130.6	135.7	70.5
85°	68.8	68.8	68.8	70.5	68.8	72.2	73.9	77.3	77.3	73.9	43.0
87.5°	44.7	43.0	44.7	43.0	43.0	41.3	41.3	41.3	39.5	37.8	24.1
90°	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6	46.9	29.8
92.5°	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5	289.2	205.7
95°	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1	711.6	400.8
97.5°	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6	958.5	440.2
100°	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3	1048.4	473.2
102.5°	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5	1089.6	506.2
105°	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4	1120.2	555.3
107.5°	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9	1125.8	627.8
110°	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0	1117.3	668.3



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5	1117.7	717.3
115°	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5	1128.0	790.8
117.5°	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2	1149.0	862.2
120°	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7	1166.1	903.8
122.5°	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5	1190.6	952.9
125°	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7	1223.5	1015.7
127.5°	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8	1256.6	1076.5
130°	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2	1280.8	1116.9
132.5°	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6	1300.2	1150.0
135°	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3	1321.6	1188.3
137.5°	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5	1353.5	1237.4
140°	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0	1373.1	1270.4
142.5°	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4	1389.4	1294.9
145°	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5	1410.8	1332.3
147.5°	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9	1442.0	1379.2
150°	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4	1458.4	1403.7
152.5°	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9	1469.0	1419.6
155°	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7	1492.5	1454.8
157.5°	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6	1516.0	1490.0
160°	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1	1526.6	1506.0
162.5°	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8	1537.9	1523.0
165°	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3	1554.3	1547.5
167.5°	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7	1567.1	1561.4
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2	1577.7	1577.4
172.5°	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6	1584.8	1588.1
177.5°	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3	1585.6	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1842.2	1831.8	1831.8	1814.7	1807.8	1802.6	1794.1	1768.3	1761.5	1754.5	1764.9
5°	1857.6	1838.8	1825.0	1794.1	1768.3	1758.0	1725.3	1663.5	1622.2	1591.3	1574.2
7.5°	1861.1	1837.1	1811.3	1763.2	1701.3	1673.7	1574.2	1460.7	1429.7	1402.3	1385.1
10°	1857.6	1830.1	1794.1	1721.9	1575.9	1527.7	1428.0	1354.1	1335.3	1330.1	1335.3
12.5°	1845.6	1819.9	1770.0	1649.7	1445.3	1412.6	1354.1	1311.2	1307.8	1316.4	1362.8
15°	1825.0	1800.9	1742.5	1553.5	1373.1	1349.0	1307.8	1292.3	1311.2	1371.3	1510.5
17.5°	1804.4	1776.9	1704.8	1459.0	1318.1	1300.9	1271.6	1302.6	1409.1	1489.9	1536.3
20°	1776.9	1744.2	1661.8	1390.3	1278.5	1263.1	1249.3	1388.6	1469.3	1498.5	1524.3
22.5°	1744.2	1709.9	1603.4	1342.1	1237.3	1225.2	1233.9	1436.6	1469.3	1489.9	1512.2
25°	1701.3	1672.0	1534.6	1304.3	1204.7	1190.9	1223.5	1431.5	1450.4	1455.5	1500.2
27.5°	1661.8	1624.0	1462.4	1269.9	1165.1	1160.0	1232.2	1409.1	1422.9	1428.0	1476.2
30°	1613.6	1556.9	1381.6	1233.9	1123.9	1122.2	1233.9	1381.6	1378.2	1392.0	1440.1
32.5°	1563.8	1457.2	1290.6	1189.2	1084.3	1082.6	1221.8	1340.4	1337.0	1355.8	1392.0
35°	1517.4	1379.9	1166.8	1137.6	1034.5	1036.2	1192.6	1292.3	1294.0	1311.2	1333.6
37.5°	1469.3	1312.9	1031.1	1080.9	986.4	986.4	1153.1	1247.6	1244.2	1249.3	1280.3
40°	1412.6	1208.1	910.8	1007.0	941.8	936.6	1105.0	1199.5	1187.5	1185.8	1228.7
42.5°	1352.4	1092.9	821.4	909.0	890.2	883.3	1046.6	1141.0	1118.7	1123.9	1178.9
45°	1287.2	1062.0	752.7	768.1	836.9	831.7	982.9	1074.1	1058.6	1072.4	1129.1
47.5°	1221.8	1000.2	730.4	637.5	780.2	778.5	912.5	1008.7	1000.2	1013.9	1074.1
50°	1132.5	931.4	728.7	546.5	716.6	723.4	828.3	945.2	945.2	957.2	1020.8
52.5°	1017.4	847.2	661.6	494.9	642.7	663.3	754.4	890.2	893.6	905.6	962.3
55°	912.5	759.6	613.5	455.4	555.1	599.8	682.2	833.5	840.3	852.3	903.9
57.5°	816.3	632.4	603.2	409.0	474.3	517.3	618.6	778.5	781.9	792.2	842.1
60°	713.2	457.1	553.4	359.2	403.8	436.5	560.2	713.2	725.2	732.1	775.0
62.5°	596.3	331.7	501.8	324.8	369.5	376.3	512.1	651.3	666.7	671.9	697.7
65°	424.5	278.4	426.2	295.6	333.4	335.1	460.5	587.7	601.5	610.0	629.0
67.5°	287.0	226.9	324.8	268.1	305.9	307.6	410.8	513.8	532.7	539.6	551.6
70°	199.4	151.3	240.6	238.9	274.9	278.4	357.5	446.8	464.0	469.2	476.0
72.5°	146.1	122.0	199.4	214.8	242.3	245.7	302.4	371.2	388.4	393.5	397.0
75°	111.7	128.9	161.5	187.3	206.2	207.9	247.4	302.4	314.5	317.9	319.6
77.5°	89.3	120.3	118.6	151.3	168.4	164.9	194.2	233.7	244.0	244.0	244.0
80°	67.0	94.6	89.3	108.3	123.8	120.3	139.2	166.7	170.1	173.6	171.9
82.5°	49.8	60.1	60.1	68.8	82.5	79.1	92.8	108.3	108.3	108.3	111.7
85°	30.9	34.3	27.5	36.1	46.4	44.7	51.6	58.4	60.1	60.1	56.7
87.5°	18.9	15.5	8.6	13.8	20.6	20.6	24.1	25.8	24.1	24.1	24.1
90°	27.7	19.2	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0
92.5°	187.6	115.1	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1
95°	367.6	235.0	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7
97.5°	410.9	293.9	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0
100°	446.6	340.5	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7
102.5°	481.5	382.5	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0
105°	534.3	450.5	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3
107.5°	608.2	530.1	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3
110°	650.6	580.0	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	700.5	633.3	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1
115°	775.3	713.3	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4
117.5°	848.1	791.8	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9
120°	890.6	837.5	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9
122.5°	939.5	886.0	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3
125°	1003.5	954.7	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1
127.5°	1064.2	1014.9	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1
130°	1103.7	1050.7	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6
132.5°	1136.8	1083.7	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7
135°	1176.3	1128.0	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0
137.5°	1225.4	1177.6	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2
140°	1259.4	1215.4	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9
142.5°	1284.8	1244.0	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6
145°	1323.4	1287.9	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4
147.5°	1370.5	1335.9	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2
150°	1395.8	1364.6	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4
152.5°	1413.8	1390.0	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4
155°	1450.5	1432.9	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1
157.5°	1485.8	1468.7	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4
160°	1502.7	1489.4	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0
162.5°	1520.5	1510.5	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3
165°	1545.3	1536.2	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0
167.5°	1560.3	1556.1	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5
170°	1576.4	1572.1	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5
172.5°	1578.2	1577.2	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8
175°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0
177.5°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935025
 CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1752.8	1747.7	1754.5	1735.7	1754.5	1747.7	1752.8	1764.9	1754.5	1761.5	1768.3
5°	1538.0	1529.4	1502.0	1479.6	1502.0	1529.4	1538.0	1574.2	1591.3	1622.2	1663.5
7.5°	1374.8	1367.9	1361.1	1347.3	1361.1	1367.9	1374.8	1385.1	1402.3	1429.7	1460.7
10°	1338.7	1340.4	1350.7	1349.0	1350.7	1340.4	1338.7	1335.3	1330.1	1335.3	1354.1
12.5°	1431.5	1447.0	1503.7	1500.2	1503.7	1447.0	1431.5	1362.8	1316.4	1307.8	1311.2
15°	1538.0	1543.2	1555.2	1556.9	1555.2	1543.2	1538.0	1510.5	1371.3	1311.2	1292.3
17.5°	1548.4	1550.1	1558.6	1558.6	1558.6	1550.1	1548.4	1536.3	1489.9	1409.1	1302.6
20°	1539.7	1543.2	1560.4	1563.8	1560.4	1543.2	1539.7	1524.3	1498.5	1469.3	1388.6
22.5°	1536.3	1543.2	1556.9	1555.2	1556.9	1543.2	1536.3	1512.2	1489.9	1469.3	1436.6
25°	1519.2	1519.2	1520.9	1522.6	1520.9	1519.2	1519.2	1500.2	1455.5	1450.4	1431.5
27.5°	1483.0	1486.4	1496.8	1495.1	1496.8	1486.4	1483.0	1476.2	1428.0	1422.9	1409.1
30°	1450.4	1447.0	1438.4	1431.5	1438.4	1447.0	1450.4	1440.1	1392.0	1378.2	1381.6
32.5°	1395.4	1386.8	1378.2	1373.1	1378.2	1386.8	1395.4	1392.0	1355.8	1337.0	1340.4
35°	1330.1	1331.8	1330.1	1324.9	1330.1	1331.8	1330.1	1333.6	1311.2	1294.0	1292.3
37.5°	1283.7	1287.2	1285.4	1278.5	1285.4	1287.2	1283.7	1280.3	1249.3	1244.2	1247.6
40°	1235.6	1237.3	1235.6	1230.5	1235.6	1237.3	1235.6	1228.7	1185.8	1187.5	1199.5
42.5°	1189.2	1187.5	1182.3	1178.9	1182.3	1187.5	1189.2	1178.9	1123.9	1118.7	1141.0
45°	1135.9	1137.6	1127.3	1122.2	1127.3	1137.6	1135.9	1129.1	1072.4	1058.6	1074.1
47.5°	1082.6	1082.6	1074.1	1068.9	1074.1	1082.6	1082.6	1074.1	1013.9	1000.2	1008.7
50°	1025.9	1024.2	1012.1	1010.4	1012.1	1024.2	1025.9	1020.8	957.2	945.2	945.2
52.5°	960.6	960.6	962.3	965.8	962.3	960.6	960.6	962.3	905.6	893.6	890.2
55°	903.9	905.6	917.7	921.1	917.7	905.6	903.9	903.9	852.3	840.3	833.5
57.5°	845.5	845.5	854.0	854.0	854.0	845.5	845.5	842.1	792.2	781.9	778.5
60°	778.5	781.9	788.8	787.1	788.8	781.9	778.5	775.0	732.1	725.2	713.2
62.5°	708.0	711.5	713.2	709.7	713.2	711.5	708.0	697.7	671.9	666.7	651.3
65°	634.1	637.5	639.2	635.8	639.2	637.5	634.1	629.0	610.0	601.5	587.7
67.5°	558.5	556.8	555.1	561.9	555.1	556.8	558.5	551.6	539.6	532.7	513.8
70°	481.1	481.1	479.4	482.9	479.4	481.1	481.1	476.0	469.2	464.0	446.8
72.5°	398.7	397.0	403.8	398.7	403.8	397.0	398.7	397.0	393.5	388.4	371.2
75°	317.9	321.3	317.9	323.0	317.9	321.3	317.9	319.6	317.9	314.5	302.4
77.5°	242.3	245.7	242.3	242.3	242.3	245.7	242.3	244.0	244.0	244.0	233.7
80°	171.9	170.1	170.1	168.4	170.1	170.1	171.9	171.9	173.6	170.1	166.7
82.5°	110.0	108.3	108.3	111.7	108.3	108.3	110.0	111.7	108.3	108.3	108.3
85°	60.1	61.8	58.4	58.4	58.4	61.8	60.1	56.7	60.1	60.1	58.4
87.5°	22.4	20.6	20.6	20.6	20.6	20.6	22.4	24.1	24.1	24.1	25.8
90°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6
92.5°	202.5	194.5	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5
95°	687.4	663.0	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1
97.5°	1587.0	1540.6	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6
100°	2228.6	2173.3	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3
102.5°	2776.4	2729.0	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5
105°	3415.9	3390.5	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4
107.5°	3748.4	3754.6	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9
110°	3833.7	3860.2	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3779.3	3820.1	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5
115°	3594.9	3651.4	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5
117.5°	3340.2	3402.8	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2
120°	3168.6	3229.5	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7
122.5°	2997.0	3057.1	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5
125°	2770.0	2825.3	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7
127.5°	2587.8	2634.4	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8
130°	2472.7	2515.8	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2
132.5°	2374.6	2413.3	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6
135°	2236.0	2269.3	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3
137.5°	2133.8	2161.0	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5
140°	2051.7	2077.2	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0
142.5°	1994.1	2016.0	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4
145°	1907.8	1924.4	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5
147.5°	1835.4	1849.1	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9
150°	1793.8	1804.9	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4
152.5°	1760.7	1769.1	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9
155°	1721.2	1726.8	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7
157.5°	1687.2	1691.1	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6
160°	1670.1	1672.3	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1
162.5°	1654.1	1656.2	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8
165°	1629.6	1631.8	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3
167.5°	1619.0	1619.9	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2
172.5°	1610.5	1609.6	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6
177.5°	1596.5	1595.6	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1794.1	1802.6	1807.8	1814.7	1831.8
5°	1725.3	1758.0	1768.3	1794.1	1825.0
7.5°	1574.2	1673.7	1701.3	1763.2	1811.3
10°	1428.0	1527.7	1575.9	1721.9	1794.1
12.5°	1354.1	1412.6	1445.3	1649.7	1770.0
15°	1307.8	1349.0	1373.1	1553.5	1742.5
17.5°	1271.6	1300.9	1318.1	1459.0	1704.8
20°	1249.3	1263.1	1278.5	1390.3	1661.8
22.5°	1233.9	1225.2	1237.3	1342.1	1603.4
25°	1223.5	1190.9	1204.7	1304.3	1534.6
27.5°	1232.2	1160.0	1165.1	1269.9	1462.4
30°	1233.9	1122.2	1123.9	1233.9	1381.6
32.5°	1221.8	1082.6	1084.3	1189.2	1290.6
35°	1192.6	1036.2	1034.5	1137.6	1166.8
37.5°	1153.1	986.4	986.4	1080.9	1031.1
40°	1105.0	936.6	941.8	1007.0	910.8
42.5°	1046.6	883.3	890.2	909.0	821.4
45°	982.9	831.7	836.9	768.1	752.7
47.5°	912.5	778.5	780.2	637.5	730.4
50°	828.3	723.4	716.6	546.5	728.7
52.5°	754.4	663.3	642.7	494.9	661.6
55°	682.2	599.8	555.1	455.4	613.5
57.5°	618.6	517.3	474.3	409.0	603.2
60°	560.2	436.5	403.8	359.2	553.4
62.5°	512.1	376.3	369.5	324.8	501.8
65°	460.5	335.1	333.4	295.6	426.2
67.5°	410.8	307.6	305.9	268.1	324.8
70°	357.5	278.4	274.9	238.9	240.6
72.5°	302.4	245.7	242.3	214.8	199.4
75°	247.4	207.9	206.2	187.3	161.5
77.5°	194.2	164.9	168.4	151.3	118.6
80°	139.2	120.3	123.8	108.3	89.3
82.5°	92.8	79.1	82.5	68.8	60.1
85°	51.6	44.7	46.4	36.1	27.5
87.5°	24.1	20.6	20.6	13.8	8.6
90°	46.9	29.8	27.7	19.2	10.7
92.5°	289.2	205.7	187.6	115.1	42.6
95°	711.6	400.8	367.6	235.0	102.3
97.5°	958.5	440.2	410.9	293.9	176.9
100°	1048.4	473.2	446.6	340.5	234.5
102.5°	1089.6	506.2	481.5	382.5	283.5
105°	1120.2	555.3	534.3	450.5	366.7
107.5°	1125.8	627.8	608.2	530.1	451.9
110°	1117.3	668.3	650.6	580.0	509.5



TEST NUMBER: P935025

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1117.7	717.3	700.5	633.3	565.9
115°	1128.0	790.8	775.3	713.3	651.2
117.5°	1149.0	862.2	848.1	791.8	735.4
120°	1166.1	903.8	890.6	837.5	784.4
122.5°	1190.6	952.9	939.5	886.0	832.4
125°	1223.5	1015.7	1003.5	954.7	906.0
127.5°	1256.6	1076.5	1064.2	1014.9	965.6
130°	1280.8	1116.9	1103.7	1050.7	997.6
132.5°	1300.2	1150.0	1136.8	1083.7	1030.7
135°	1321.6	1188.3	1176.3	1128.0	1079.7
137.5°	1353.5	1237.4	1225.4	1177.6	1129.8
140°	1373.1	1270.4	1259.4	1215.4	1171.4
142.5°	1389.4	1294.9	1284.8	1244.0	1203.3
145°	1410.8	1332.3	1323.4	1287.9	1252.3
147.5°	1442.0	1379.2	1370.5	1335.9	1301.3
150°	1458.4	1403.7	1395.8	1364.6	1333.3
152.5°	1469.0	1419.6	1413.8	1390.0	1366.3
155°	1492.5	1454.8	1450.5	1432.9	1415.4
157.5°	1516.0	1490.0	1485.8	1468.7	1451.6
160°	1526.6	1506.0	1502.7	1489.4	1476.1
162.5°	1537.9	1523.0	1520.5	1510.5	1500.6
165°	1554.3	1547.5	1545.3	1536.2	1527.3
167.5°	1567.1	1561.4	1560.3	1556.1	1551.8
170°	1577.7	1577.4	1576.4	1572.1	1567.8
172.5°	1578.4	1578.4	1578.2	1577.2	1576.3
175°	1584.8	1588.1	1588.1	1588.1	1588.1
177.5°	1585.6	1588.1	1588.1	1588.1	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935025
 CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-2700K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.79	9.50	9.89	10.60	12.11	11.64	12.35	12.74	13.45	14.96
	3H	9.25	9.89	10.36	11.00	12.53	12.98	13.62	14.09	14.73	16.26
	4H	9.43	10.04	10.56	11.15	12.69	13.42	14.03	14.54	15.14	16.67
	6H	9.55	10.11	10.68	11.22	12.76	13.70	14.26	14.83	15.37	16.92
	8H	9.54	10.08	10.68	11.20	12.74	13.77	14.31	14.91	15.43	16.97
	12H	9.51	10.01	10.65	11.13	12.70	13.81	14.32	14.95	15.44	17.00
4H	2H	9.80	10.41	10.93	11.52	13.06	12.03	12.63	13.15	13.74	15.28
	3H	10.82	11.33	11.95	12.46	14.01	13.52	14.03	14.66	15.17	16.71
	4H	11.09	11.55	12.23	12.68	14.25	14.05	14.52	15.19	15.64	17.21
	6H	11.20	11.60	12.35	12.75	14.31	14.41	14.81	15.56	15.96	17.52
	8H	11.21	11.58	12.35	12.72	14.29	14.52	14.89	15.66	16.03	17.61
	12H	11.17	11.50	12.33	12.65	14.24	14.57	14.91	15.73	16.06	17.64
8H	4H	11.53	11.91	12.68	13.04	14.62	14.16	14.54	15.31	15.67	17.25
	6H	11.79	12.10	12.95	13.28	14.85	14.60	14.91	15.76	16.09	17.66
	8H	11.83	12.10	13.00	13.26	14.85	14.75	15.02	15.92	16.18	17.77
	12H	11.81	12.04	12.98	13.20	14.83	14.85	15.08	16.02	16.24	17.87
12H	4H	11.53	11.87	12.69	13.02	14.60	14.12	14.46	15.28	15.61	17.19
	6H	11.85	12.12	13.02	13.28	14.87	14.59	14.86	15.76	16.02	17.62
	8H	11.91	12.14	13.08	13.30	14.93	14.75	14.99	15.93	16.15	17.77