

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: P935073

Luminaire Tested: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935073
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-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

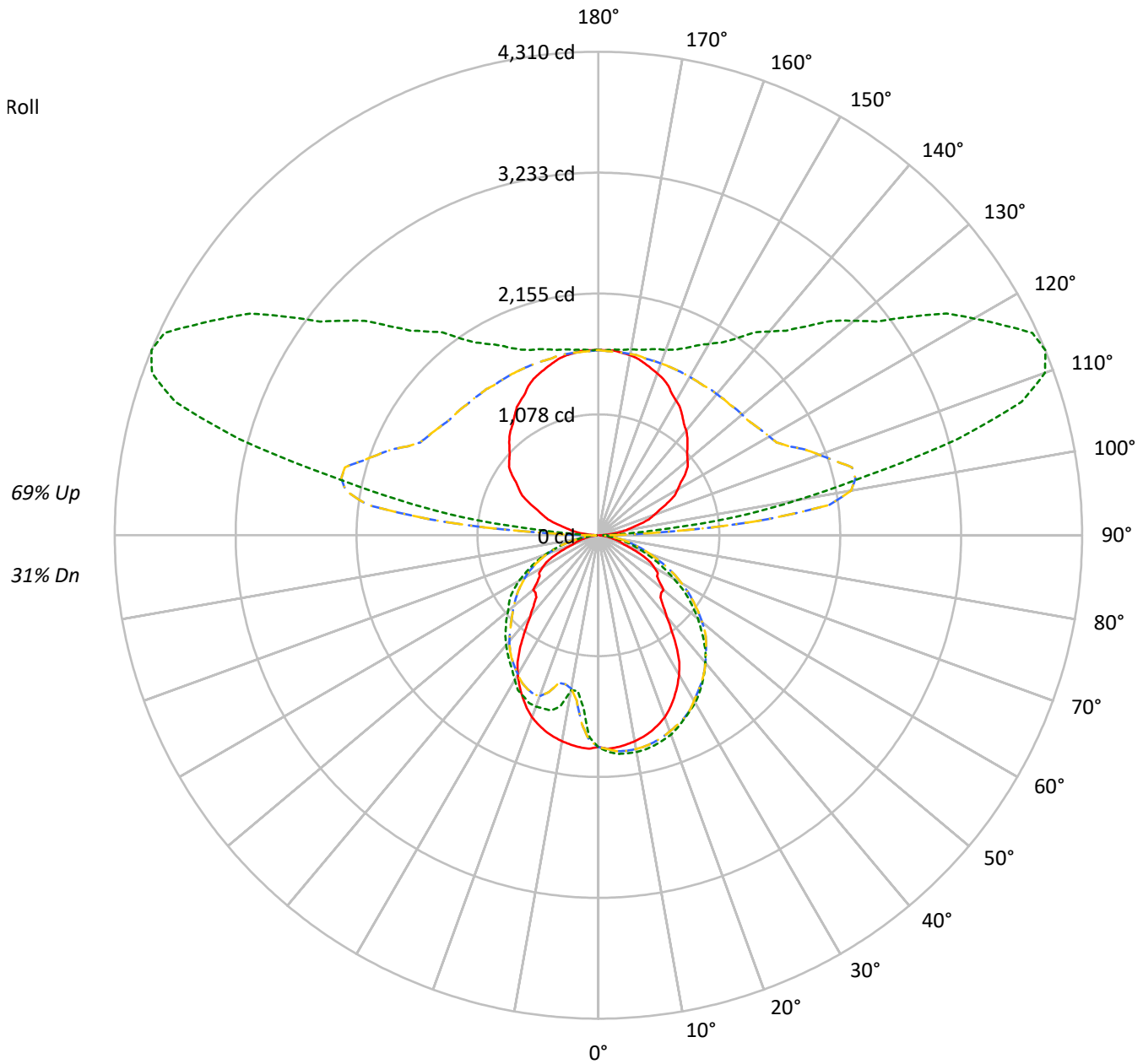
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15605.7 lumens
Efficiency: N/A
Efficacy: 126.3 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: P935073
CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	5841	5841	5841	5841
5°	5887	5897	5887	4636
10°	5850	5808	5850	4152
15°	5788	5682	5788	4745
20°	5670	5534	5670	4755
25°	5424	5316	5424	4654
30°	5106	5135	5106	4433
35°	4554	4907	4554	4190
40°	3797	4638	3797	4006
45°	3395	4323	3395	3795
50°	3610	3948	3610	3583
55°	3399	3544	3399	3460
60°	3508	3010	3508	3169
65°	3186	2488	3186	2781
70°	2211	1983	2211	2332
75°	1946	1466	1946	1755
80°	1580	969	1580	1055
85°	927	514	927	436

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5200 cd/sqm



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	1.1
10°-20°	484.0	3.1
20°-30°	748.2	4.8
30°-40°	893.2	5.7
40°-50°	898.4	5.8
50°-60°	781.7	5.0
60°-70°	554.3	3.6
70°-80°	293.2	1.9
80°-90°	79.3	0.5
90°-100°	804.8	5.2
100°-110°	2115.8	13.6
110°-120°	2193.9	14.1
120°-130°	1759.8	11.3
130°-140°	1380.8	8.8
140°-150°	1059.8	6.8
150°-160°	763.2	4.9
160°-170°	467.0	3.0
170°-180°	157.8	1.0
0°-30°	1402.6	9.0
0°-40°	2295.8	14.7
0°-60°	3975.9	25.5
0°-90°	4902.7	31.4
90°-120°	5114.6	32.8
90°-150°	9315.0	59.7
90°-180°	10703.0	68.6
0°-180°	15605.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1888	1888	1888	1888	1888	
5°	1897	1956	1897	1538	1897	180
15°	1812	1938	1812	1619	1812	510
25°	1596	1808	1596	1583	1596	733
35°	1213	1613	1213	1378	1213	751
45°	782	1329	782	1167	782	627
55°	638	981	638	958	638	586
65°	443	591	443	661	443	423
75°	168	280	168	336	168	177
85°	29	72	29	61	29	39
90°	11	42	11	42	11	10
95°	106	486	106	486	106	118
105°	381	3313	381	3313	381	404
115°	677	4266	677	4266	677	669
125°	942	3397	942	3397	942	836
135°	1122	2636	1122	2636	1122	868
145°	1302	2139	1302	2139	1302	816
155°	1472	1842	1472	1842	1472	676
165°	1588	1715	1588	1715	1588	448
175°	1651	1662	1651	1662	1651	157
180°	1651	1651	1651	1651	1651	



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1904.5	1904.5	1915.2	1918.8	1918.8	1913.5	1908.1	1913.5	1929.5	1934.9	1933.1
5°	1897.4	1911.7	1931.3	1934.9	1938.5	1936.7	1933.1	1936.7	1954.6	1958.1	1959.9
7.5°	1883.1	1909.9	1934.9	1940.3	1945.6	1940.3	1938.5	1942.1	1959.9	1963.5	1963.5
10°	1865.2	1902.7	1931.3	1934.9	1940.3	1934.9	1934.9	1942.1	1959.9	1963.5	1965.3
12.5°	1840.2	1892.1	1918.8	1922.4	1929.5	1927.8	1926.0	1933.1	1951.0	1954.6	1954.6
15°	1811.6	1872.3	1897.4	1900.9	1913.5	1909.9	1909.9	1917.0	1936.7	1942.1	1940.3
17.5°	1772.4	1847.4	1876.0	1881.3	1890.3	1888.4	1890.3	1897.4	1915.2	1918.8	1920.7
20°	1727.7	1813.4	1847.4	1852.7	1861.7	1861.7	1861.7	1870.6	1888.4	1895.6	1895.6
22.5°	1667.0	1777.7	1813.4	1817.0	1827.7	1827.7	1831.3	1843.8	1859.8	1861.7	1861.7
25°	1595.5	1738.3	1768.7	1779.5	1790.2	1795.5	1801.0	1808.1	1813.4	1811.6	1813.4
27.5°	1520.4	1688.4	1727.7	1734.8	1749.1	1754.4	1761.6	1763.4	1765.2	1770.5	1766.9
30°	1436.4	1618.6	1677.6	1684.8	1708.0	1711.6	1704.4	1708.0	1716.9	1720.5	1724.1
32.5°	1341.8	1515.0	1625.8	1641.9	1663.3	1652.7	1650.8	1656.2	1670.5	1670.5	1674.1
35°	1213.1	1434.7	1577.6	1591.9	1608.0	1595.5	1602.6	1604.3	1613.3	1618.6	1616.9
37.5°	1072.0	1364.9	1527.5	1538.3	1550.8	1534.7	1545.4	1550.8	1557.9	1554.4	1554.4
40°	946.9	1256.0	1468.6	1475.8	1486.4	1474.0	1484.6	1488.3	1491.8	1488.3	1486.4
42.5°	854.0	1136.3	1406.1	1415.0	1407.8	1416.8	1420.4	1427.5	1422.1	1415.0	1415.0
45°	782.5	1104.1	1338.2	1348.9	1338.2	1352.5	1357.8	1357.8	1341.8	1338.2	1336.4
47.5°	759.3	1039.8	1270.3	1270.3	1265.0	1282.8	1291.7	1279.3	1263.2	1257.8	1257.8
50°	757.6	968.4	1177.4	1170.2	1195.2	1216.6	1207.8	1195.2	1182.7	1163.1	1163.1
52.5°	687.8	880.8	1057.7	1084.5	1123.8	1136.3	1122.0	1109.5	1088.1	1079.1	1072.0
55°	637.9	789.7	948.7	1002.3	1043.4	1059.5	1032.7	1020.1	988.0	982.7	979.1
57.5°	627.1	657.5	848.7	916.5	966.6	964.8	948.7	925.5	898.7	893.3	891.6
60°	575.3	475.3	741.5	821.8	873.6	868.3	854.0	832.6	807.5	804.0	800.4
62.5°	521.7	344.8	619.9	711.1	784.3	782.5	770.1	737.8	720.0	711.1	703.9
65°	443.1	289.4	441.3	591.4	696.8	700.4	673.5	650.4	630.7	619.9	618.1
67.5°	337.7	235.9	298.4	493.1	612.8	609.3	575.3	564.6	539.5	534.2	523.5
70°	250.1	157.3	207.3	400.2	530.7	521.7	494.9	482.4	459.2	446.7	439.5
72.5°	207.3	126.8	151.8	310.9	446.7	435.9	412.7	398.4	378.7	368.1	360.9
75°	167.9	134.0	116.2	230.4	362.7	355.6	334.1	319.8	303.7	289.4	291.2
77.5°	123.3	125.0	92.9	169.7	287.6	277.0	264.4	246.6	239.4	225.1	225.1
80°	92.9	98.3	69.7	116.2	207.3	207.3	196.5	184.0	171.5	164.4	164.4
82.5°	62.5	62.5	51.8	73.3	141.1	135.8	128.7	125.0	117.9	114.4	114.4
85°	28.6	35.7	32.1	44.7	76.8	80.4	80.4	76.8	75.0	71.5	73.3
87.5°	9.0	16.1	19.6	25.0	39.3	41.1	42.9	42.9	42.9	44.7	44.7
90°	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1	42.1	42.1
92.5°	44.3	119.6	195.0	213.8	300.7	416.4	474.3	415.7	298.5	210.5	202.2
95°	106.4	244.3	382.2	416.6	739.8	1170.7	1386.2	1237.0	938.5	714.7	689.3
97.5°	183.9	305.6	427.2	457.7	996.5	1715.0	2074.3	1980.0	1791.4	1649.9	1601.7
100°	243.8	354.0	464.3	492.0	1089.9	1887.3	2286.0	2292.9	2306.7	2317.0	2259.5
102.5°	294.7	397.6	500.6	526.3	1132.8	1941.5	2345.8	2466.0	2706.3	2886.5	2837.2
105°	381.2	468.3	555.5	577.3	1164.6	1947.7	2339.2	2608.6	3147.3	3551.4	3524.9
107.5°	469.8	551.1	632.3	652.7	1170.5	1860.9	2206.1	2581.9	3333.5	3897.1	3903.5
110°	529.7	603.0	676.4	694.8	1161.6	1784.1	2095.3	2515.4	3355.6	3985.7	4013.3



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	588.4	658.4	728.2	745.7	1162.0	1717.0	1994.5	2424.5	3284.4	3929.2	3971.6
115°	677.0	741.6	806.0	822.2	1172.7	1640.0	1873.8	2287.9	3116.3	3737.5	3796.2
117.5°	764.6	823.2	881.8	896.4	1194.5	1591.9	1790.7	2164.4	2912.0	3472.7	3537.8
120°	815.5	870.7	925.9	939.7	1212.3	1575.8	1757.4	2099.0	2782.0	3294.3	3357.6
122.5°	865.4	921.1	976.7	990.7	1237.8	1567.2	1732.0	2039.5	2654.6	3115.9	3178.3
125°	941.9	992.6	1043.3	1056.0	1272.1	1560.2	1704.2	1965.5	2488.0	2879.9	2937.3
127.5°	1003.9	1055.1	1106.4	1119.1	1306.4	1556.1	1681.0	1905.3	2353.9	2690.4	2738.9
130°	1037.2	1092.3	1147.5	1161.2	1331.6	1558.6	1672.1	1871.8	2271.2	2570.8	2615.6
132.5°	1071.5	1126.7	1181.8	1195.6	1351.8	1560.1	1664.3	1843.0	2200.6	2468.8	2509.0
135°	1122.5	1172.7	1223.0	1235.5	1374.0	1558.7	1651.1	1800.8	2100.1	2324.7	2359.3
137.5°	1174.6	1224.3	1274.0	1286.4	1407.2	1568.3	1648.8	1775.4	2028.5	2218.4	2246.7
140°	1217.8	1263.6	1309.4	1320.8	1427.5	1569.9	1641.0	1750.3	1969.1	2133.1	2159.5
142.5°	1251.0	1293.4	1335.7	1346.3	1444.5	1575.5	1641.0	1737.1	1929.2	2073.2	2095.9
145°	1302.0	1338.9	1375.9	1385.1	1466.7	1575.6	1630.0	1708.5	1865.6	1983.4	2000.7
147.5°	1353.0	1388.9	1424.9	1433.9	1499.2	1586.4	1630.0	1691.8	1815.4	1908.1	1922.4
150°	1386.2	1418.7	1451.2	1459.3	1516.3	1592.1	1630.0	1682.2	1786.6	1864.9	1876.4
152.5°	1420.5	1445.1	1469.8	1475.9	1527.3	1595.7	1630.0	1674.6	1763.7	1830.5	1839.2
155°	1471.5	1489.7	1508.0	1512.5	1551.7	1603.9	1630.0	1665.4	1736.3	1789.5	1795.3
157.5°	1509.2	1526.9	1544.7	1549.1	1576.1	1612.1	1630.0	1657.5	1712.7	1754.1	1758.2
160°	1534.6	1548.5	1562.3	1565.7	1587.1	1615.7	1630.0	1653.6	1700.9	1736.3	1738.6
162.5°	1560.1	1570.4	1580.8	1583.4	1598.9	1619.6	1630.0	1649.9	1689.8	1719.7	1721.9
165°	1587.8	1597.2	1606.6	1608.9	1615.9	1625.3	1630.0	1644.3	1672.8	1694.2	1696.5
167.5°	1613.3	1617.8	1622.2	1623.4	1629.2	1637.1	1641.0	1650.4	1669.2	1683.2	1684.2
170°	1630.0	1634.5	1638.9	1640.0	1640.3	1640.8	1641.0	1650.4	1669.2	1683.2	1683.2
172.5°	1638.8	1639.8	1640.8	1641.0	1641.0	1641.0	1641.0	1648.4	1663.2	1674.3	1673.4
175°	1651.1	1651.1	1651.1	1651.1	1647.7	1643.2	1641.0	1645.7	1655.1	1662.1	1662.1
177.5°	1651.1	1651.1	1651.1	1651.1	1648.5	1645.0	1643.2	1647.0	1654.3	1659.8	1658.9
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1936.7	1931.3	1936.7	1933.1	1934.9	1929.5	1913.5	1908.1	1913.5	1918.8	1918.8
5°	1959.9	1956.4	1959.9	1959.9	1958.1	1954.6	1936.7	1933.1	1936.7	1938.5	1934.9
7.5°	1967.1	1961.7	1967.1	1963.5	1963.5	1959.9	1942.1	1938.5	1940.3	1945.6	1940.3
10°	1967.1	1961.7	1967.1	1965.3	1963.5	1959.9	1942.1	1934.9	1934.9	1940.3	1934.9
12.5°	1958.1	1954.6	1958.1	1954.6	1954.6	1951.0	1933.1	1926.0	1927.8	1929.5	1922.4
15°	1943.8	1938.5	1943.8	1940.3	1942.1	1936.7	1917.0	1909.9	1909.9	1913.5	1900.9
17.5°	1922.4	1915.2	1922.4	1920.7	1918.8	1915.2	1897.4	1890.3	1888.4	1890.3	1881.3
20°	1897.4	1892.1	1897.4	1895.6	1895.6	1888.4	1870.6	1861.7	1861.7	1861.7	1852.7
22.5°	1858.1	1852.7	1858.1	1861.7	1861.7	1859.8	1843.8	1831.3	1827.7	1827.7	1817.0
25°	1813.4	1808.1	1813.4	1813.4	1811.6	1813.4	1808.1	1801.0	1795.5	1790.2	1779.5
27.5°	1770.5	1766.9	1770.5	1766.9	1770.5	1765.2	1763.4	1761.6	1754.4	1749.1	1734.8
30°	1727.7	1724.1	1727.7	1724.1	1720.5	1716.9	1708.0	1704.4	1711.6	1708.0	1684.8
32.5°	1674.1	1670.5	1674.1	1674.1	1670.5	1670.5	1656.2	1650.8	1652.7	1663.3	1641.9
35°	1618.6	1613.3	1618.6	1616.9	1618.6	1613.3	1604.3	1602.6	1595.5	1608.0	1591.9
37.5°	1554.4	1549.0	1554.4	1554.4	1554.4	1557.9	1550.8	1545.4	1534.7	1550.8	1538.3
40°	1488.3	1481.1	1488.3	1486.4	1488.3	1491.8	1488.3	1484.6	1474.0	1486.4	1475.8
42.5°	1413.3	1411.4	1413.3	1415.0	1415.0	1422.1	1427.5	1420.4	1416.8	1407.8	1415.0
45°	1332.8	1329.2	1332.8	1336.4	1338.2	1341.8	1357.8	1357.8	1352.5	1338.2	1348.9
47.5°	1247.0	1238.1	1247.0	1257.8	1257.8	1263.2	1279.3	1291.7	1282.8	1265.0	1270.3
50°	1155.9	1157.7	1155.9	1163.1	1163.1	1182.7	1195.2	1207.8	1216.6	1195.2	1170.2
52.5°	1066.6	1064.8	1066.6	1072.0	1079.1	1088.1	1109.5	1122.0	1136.3	1123.8	1084.5
55°	977.2	980.9	977.2	979.1	982.7	988.0	1020.1	1032.7	1059.5	1043.4	1002.3
57.5°	887.9	882.6	887.9	891.6	893.3	898.7	925.5	948.7	964.8	966.6	916.5
60°	784.3	777.2	784.3	800.4	804.0	807.5	832.6	854.0	868.3	873.6	821.8
62.5°	693.2	680.7	693.2	703.9	711.1	720.0	737.8	770.1	782.5	784.3	711.1
65°	596.7	591.4	596.7	618.1	619.9	630.7	650.4	673.5	700.4	696.8	591.4
67.5°	509.2	509.2	509.2	523.5	534.2	539.5	564.6	575.3	609.3	612.8	493.1
70°	428.8	427.0	428.8	439.5	446.7	459.2	482.4	494.9	521.7	530.7	400.2
72.5°	352.0	350.1	352.0	360.9	368.1	378.7	398.4	412.7	435.9	446.7	310.9
75°	284.1	280.5	284.1	291.2	289.4	303.7	319.8	334.1	355.6	362.7	230.4
77.5°	218.0	218.0	218.0	225.1	225.1	239.4	246.6	264.4	277.0	287.6	169.7
80°	162.6	160.8	162.6	164.4	164.4	171.5	184.0	196.5	207.3	207.3	116.2
82.5°	114.4	110.7	114.4	114.4	114.4	117.9	125.0	128.7	135.8	141.1	73.3
85°	71.5	71.5	71.5	73.3	71.5	75.0	76.8	80.4	80.4	76.8	44.7
87.5°	46.4	44.7	46.4	44.7	44.7	42.9	42.9	42.9	41.1	39.3	25.0
90°	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4	48.8	31.0
92.5°	168.6	135.2	168.6	202.2	210.5	298.5	415.7	474.3	416.4	300.7	213.8
95°	587.9	486.4	587.9	689.3	714.7	938.5	1237.0	1386.2	1170.7	739.8	416.6
97.5°	1408.6	1215.6	1408.6	1601.7	1649.9	1791.4	1980.0	2074.3	1715.0	996.5	457.7
100°	2029.5	1799.5	2029.5	2259.5	2317.0	2306.7	2292.9	2286.0	1887.3	1089.9	492.0
102.5°	2640.3	2443.3	2640.3	2837.2	2886.5	2706.3	2466.0	2345.8	1941.5	1132.8	526.3
105°	3419.0	3313.1	3419.0	3524.9	3551.4	3147.3	2608.6	2339.2	1947.7	1164.6	577.3
107.5°	3929.1	3954.7	3929.1	3903.5	3897.1	3333.5	2581.9	2206.1	1860.9	1170.5	652.7
110°	4123.6	4234.0	4123.6	4013.3	3985.7	3355.6	2515.4	2095.3	1784.1	1161.6	694.8



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4141.0	4310.4	4141.0	3971.6	3929.2	3284.4	2424.5	1994.5	1717.0	1162.0	745.7
115°	4031.2	4266.0	4031.2	3796.2	3737.5	3116.3	2287.9	1873.8	1640.0	1172.7	822.2
117.5°	3798.3	4058.9	3798.3	3537.8	3472.7	2912.0	2164.4	1790.7	1591.9	1194.5	896.4
120°	3610.7	3863.9	3610.7	3357.6	3294.3	2782.0	2099.0	1757.4	1575.8	1212.3	939.7
122.5°	3427.9	3677.7	3427.9	3178.3	3115.9	2654.6	2039.5	1732.0	1567.2	1237.8	990.7
125°	3167.3	3397.3	3167.3	2937.3	2879.9	2488.0	1965.5	1704.2	1560.2	1272.1	1056.0
127.5°	2933.0	3127.0	2933.0	2738.9	2690.4	2353.9	1905.3	1681.0	1556.1	1306.4	1119.1
130°	2794.8	2974.1	2794.8	2615.6	2570.8	2271.2	1871.8	1672.1	1558.6	1331.6	1161.2
132.5°	2669.5	2830.1	2669.5	2509.0	2468.8	2200.6	1843.0	1664.3	1560.1	1351.8	1195.6
135°	2497.7	2636.1	2497.7	2359.3	2324.7	2100.1	1800.8	1651.1	1558.7	1374.0	1235.5
137.5°	2359.9	2473.3	2359.9	2246.7	2218.4	2028.5	1775.4	1648.8	1568.3	1407.2	1286.4
140°	2265.5	2371.3	2265.5	2159.5	2133.1	1969.1	1750.3	1641.0	1569.9	1427.5	1320.8
142.5°	2187.1	2278.2	2187.1	2095.9	2073.2	1929.2	1737.1	1641.0	1575.5	1444.5	1346.3
145°	2069.7	2138.6	2069.7	2000.7	1983.4	1865.6	1708.5	1630.0	1575.6	1466.7	1385.1
147.5°	1979.5	2036.6	1979.5	1922.4	1908.1	1815.4	1691.8	1630.0	1586.4	1499.2	1433.9
150°	1922.8	1969.1	1922.8	1876.4	1864.9	1786.6	1682.2	1630.0	1592.1	1516.3	1459.3
152.5°	1874.2	1909.2	1874.2	1839.2	1830.5	1763.7	1674.6	1630.0	1595.7	1527.3	1475.9
155°	1818.4	1841.6	1818.4	1795.3	1789.5	1736.3	1665.4	1630.0	1603.9	1551.7	1512.5
157.5°	1774.4	1790.7	1774.4	1758.2	1754.1	1712.7	1657.5	1630.0	1612.1	1576.1	1549.1
160°	1748.0	1757.4	1748.0	1738.6	1736.3	1700.9	1653.6	1630.0	1615.7	1587.1	1565.7
162.5°	1730.8	1739.7	1730.8	1721.9	1719.7	1689.8	1649.9	1630.0	1619.6	1598.9	1583.4
165°	1705.9	1715.3	1705.9	1696.5	1694.2	1672.8	1644.3	1630.0	1625.3	1615.9	1608.9
167.5°	1688.1	1692.0	1688.1	1684.2	1683.2	1669.2	1650.4	1641.0	1637.1	1629.2	1623.4
170°	1683.2	1683.2	1683.2	1683.2	1683.2	1669.2	1650.4	1641.0	1640.8	1640.3	1640.0
172.5°	1670.0	1666.5	1670.0	1673.4	1674.3	1663.2	1648.4	1641.0	1641.0	1641.0	1641.0
175°	1662.1	1662.1	1662.1	1662.1	1662.1	1655.1	1645.7	1641.0	1643.2	1647.7	1651.1
177.5°	1655.0	1651.1	1655.0	1658.9	1659.8	1654.3	1647.0	1643.2	1645.0	1648.5	1651.1
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1915.2	1904.5	1904.5	1886.6	1879.5	1874.1	1865.2	1838.4	1831.3	1824.1	1834.9
5°	1931.3	1911.7	1897.4	1865.2	1838.4	1827.7	1793.8	1729.5	1686.6	1654.4	1636.6
7.5°	1934.9	1909.9	1883.1	1833.1	1768.7	1740.1	1636.6	1518.7	1486.4	1457.9	1440.0
10°	1931.3	1902.7	1865.2	1790.2	1638.4	1588.3	1484.6	1407.8	1388.2	1382.9	1388.2
12.5°	1918.8	1892.1	1840.2	1715.2	1502.6	1468.6	1407.8	1363.2	1359.6	1368.6	1416.8
15°	1897.4	1872.3	1811.6	1615.1	1427.5	1402.5	1359.6	1343.5	1363.2	1425.7	1570.4
17.5°	1876.0	1847.4	1772.4	1516.9	1370.4	1352.5	1322.1	1354.3	1465.0	1549.0	1597.2
20°	1847.4	1813.4	1727.7	1445.4	1329.2	1313.2	1298.9	1443.6	1527.5	1557.9	1584.7
22.5°	1813.4	1777.7	1667.0	1395.3	1286.4	1273.8	1282.8	1493.6	1527.5	1549.0	1572.2
25°	1768.7	1738.3	1595.5	1356.1	1252.4	1238.1	1272.1	1488.3	1507.9	1513.2	1559.7
27.5°	1727.7	1688.4	1520.4	1320.3	1211.3	1206.0	1281.0	1465.0	1479.3	1484.6	1534.7
30°	1677.6	1618.6	1436.4	1282.8	1168.4	1166.7	1282.8	1436.4	1432.9	1447.2	1497.2
32.5°	1625.8	1515.0	1341.8	1236.4	1127.3	1125.5	1270.3	1393.5	1390.0	1409.6	1447.2
35°	1577.6	1434.7	1213.1	1182.7	1075.5	1077.3	1239.9	1343.5	1345.3	1363.2	1386.4
37.5°	1527.5	1364.9	1072.0	1123.8	1025.6	1025.6	1198.8	1297.1	1293.5	1298.9	1331.0
40°	1468.6	1256.0	946.9	1047.0	979.1	973.7	1148.8	1247.0	1234.6	1232.8	1277.4
42.5°	1406.1	1136.3	854.0	945.1	925.5	918.3	1088.1	1186.3	1163.1	1168.4	1225.6
45°	1338.2	1104.1	782.5	798.6	870.1	864.7	1021.9	1116.7	1100.6	1114.9	1173.8
47.5°	1270.3	1039.8	759.3	662.8	811.1	809.3	948.7	1048.7	1039.8	1054.1	1116.7
50°	1177.4	968.4	757.6	568.1	745.0	752.1	861.2	982.7	982.7	995.2	1061.2
52.5°	1057.7	880.8	687.8	514.5	668.2	689.6	784.3	925.5	929.0	941.5	1000.5
55°	948.7	789.7	637.9	473.5	577.1	623.6	709.2	866.5	873.6	886.1	939.8
57.5°	848.7	657.5	627.1	425.2	493.1	537.8	643.2	809.3	812.9	823.6	875.5
60°	741.5	475.3	575.3	373.4	419.8	453.8	582.4	741.5	753.9	761.1	805.8
62.5°	619.9	344.8	521.7	337.7	384.1	391.3	532.4	677.1	693.2	698.6	725.4
65°	441.3	289.4	443.1	307.3	346.6	348.4	478.8	611.0	625.3	634.2	653.9
67.5°	298.4	235.9	337.7	278.7	318.0	319.8	427.0	534.2	553.8	561.0	573.5
70°	207.3	157.3	250.1	248.4	285.8	289.4	371.6	464.5	482.4	487.8	494.9
72.5°	151.8	126.8	207.3	223.3	251.9	255.5	314.4	385.9	403.8	409.1	412.7
75°	116.2	134.0	167.9	194.7	214.4	216.1	257.3	314.4	327.0	330.5	332.3
77.5°	92.9	125.0	123.3	157.3	175.1	171.5	201.9	243.0	253.7	253.7	253.7
80°	69.7	98.3	92.9	112.6	128.7	125.0	144.7	173.3	176.9	180.4	178.7
82.5°	51.8	62.5	62.5	71.5	85.8	82.2	96.4	112.6	112.6	112.6	116.2
85°	32.1	35.7	28.6	37.6	48.2	46.4	53.6	60.7	62.5	62.5	59.0
87.5°	19.6	16.1	9.0	14.3	21.4	21.4	25.0	26.8	25.0	25.0	25.0
90°	28.8	20.0	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1
92.5°	195.0	119.6	44.3	119.6	195.0	213.8	300.7	416.4	474.3	415.7	298.5
95°	382.2	244.3	106.4	244.3	382.2	416.6	739.8	1170.7	1386.2	1237.0	938.5
97.5°	427.2	305.6	183.9	305.6	427.2	457.7	996.5	1715.0	2074.3	1980.0	1791.4
100°	464.3	354.0	243.8	354.0	464.3	492.0	1089.9	1887.3	2286.0	2292.9	2306.7
102.5°	500.6	397.6	294.7	397.6	500.6	526.3	1132.8	1941.5	2345.8	2466.0	2706.3
105°	555.5	468.3	381.2	468.3	555.5	577.3	1164.6	1947.7	2339.2	2608.6	3147.3
107.5°	632.3	551.1	469.8	551.1	632.3	652.7	1170.5	1860.9	2206.1	2581.9	3333.5
110°	676.4	603.0	529.7	603.0	676.4	694.8	1161.6	1784.1	2095.3	2515.4	3355.6



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	728.2	658.4	588.4	658.4	728.2	745.7	1162.0	1717.0	1994.5	2424.5	3284.4
115°	806.0	741.6	677.0	741.6	806.0	822.2	1172.7	1640.0	1873.8	2287.9	3116.3
117.5°	881.8	823.2	764.6	823.2	881.8	896.4	1194.5	1591.9	1790.7	2164.4	2912.0
120°	925.9	870.7	815.5	870.7	925.9	939.7	1212.3	1575.8	1757.4	2099.0	2782.0
122.5°	976.7	921.1	865.4	921.1	976.7	990.7	1237.8	1567.2	1732.0	2039.5	2654.6
125°	1043.3	992.6	941.9	992.6	1043.3	1056.0	1272.1	1560.2	1704.2	1965.5	2488.0
127.5°	1106.4	1055.1	1003.9	1055.1	1106.4	1119.1	1306.4	1556.1	1681.0	1905.3	2353.9
130°	1147.5	1092.3	1037.2	1092.3	1147.5	1161.2	1331.6	1558.6	1672.1	1871.8	2271.2
132.5°	1181.8	1126.7	1071.5	1126.7	1181.8	1195.6	1351.8	1560.1	1664.3	1843.0	2200.6
135°	1223.0	1172.7	1122.5	1172.7	1223.0	1235.5	1374.0	1558.7	1651.1	1800.8	2100.1
137.5°	1274.0	1224.3	1174.6	1224.3	1274.0	1286.4	1407.2	1568.3	1648.8	1775.4	2028.5
140°	1309.4	1263.6	1217.8	1263.6	1309.4	1320.8	1427.5	1569.9	1641.0	1750.3	1969.1
142.5°	1335.7	1293.4	1251.0	1293.4	1335.7	1346.3	1444.5	1575.5	1641.0	1737.1	1929.2
145°	1375.9	1338.9	1302.0	1338.9	1375.9	1385.1	1466.7	1575.6	1630.0	1708.5	1865.6
147.5°	1424.9	1388.9	1353.0	1388.9	1424.9	1433.9	1499.2	1586.4	1630.0	1691.8	1815.4
150°	1451.2	1418.7	1386.2	1418.7	1451.2	1459.3	1516.3	1592.1	1630.0	1682.2	1786.6
152.5°	1469.8	1445.1	1420.5	1445.1	1469.8	1475.9	1527.3	1595.7	1630.0	1674.6	1763.7
155°	1508.0	1489.7	1471.5	1489.7	1508.0	1512.5	1551.7	1603.9	1630.0	1665.4	1736.3
157.5°	1544.7	1526.9	1509.2	1526.9	1544.7	1549.1	1576.1	1612.1	1630.0	1657.5	1712.7
160°	1562.3	1548.5	1534.6	1548.5	1562.3	1565.7	1587.1	1615.7	1630.0	1653.6	1700.9
162.5°	1580.8	1570.4	1560.1	1570.4	1580.8	1583.4	1598.9	1619.6	1630.0	1649.9	1689.8
165°	1606.6	1597.2	1587.8	1597.2	1606.6	1608.9	1615.9	1625.3	1630.0	1644.3	1672.8
167.5°	1622.2	1617.8	1613.3	1617.8	1622.2	1623.4	1629.2	1637.1	1641.0	1650.4	1669.2
170°	1638.9	1634.5	1630.0	1634.5	1638.9	1640.0	1640.3	1640.8	1641.0	1650.4	1669.2
172.5°	1640.8	1639.8	1638.8	1639.8	1640.8	1641.0	1641.0	1641.0	1641.0	1648.4	1663.2
175°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1647.7	1643.2	1641.0	1645.7	1655.1
177.5°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1648.5	1645.0	1643.2	1647.0	1654.3
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1822.4	1817.0	1824.1	1804.5	1824.1	1817.0	1822.4	1834.9	1824.1	1831.3	1838.4
5°	1599.0	1590.1	1561.5	1538.3	1561.5	1590.1	1599.0	1636.6	1654.4	1686.6	1729.5
7.5°	1429.3	1422.1	1415.0	1400.7	1415.0	1422.1	1429.3	1440.0	1457.9	1486.4	1518.7
10°	1391.8	1393.5	1404.3	1402.5	1404.3	1393.5	1391.8	1388.2	1382.9	1388.2	1407.8
12.5°	1488.3	1504.4	1563.3	1559.7	1563.3	1504.4	1488.3	1416.8	1368.6	1359.6	1363.2
15°	1599.0	1604.3	1616.9	1618.6	1616.9	1604.3	1599.0	1570.4	1425.7	1363.2	1343.5
17.5°	1609.8	1611.5	1620.4	1620.4	1620.4	1611.5	1609.8	1597.2	1549.0	1465.0	1354.3
20°	1600.8	1604.3	1622.3	1625.8	1622.3	1604.3	1600.8	1584.7	1557.9	1527.5	1443.6
22.5°	1597.2	1604.3	1618.6	1616.9	1618.6	1604.3	1597.2	1572.2	1549.0	1527.5	1493.6
25°	1579.4	1579.4	1581.2	1582.9	1581.2	1579.4	1579.4	1559.7	1513.2	1507.9	1488.3
27.5°	1541.8	1545.4	1556.1	1554.4	1556.1	1545.4	1541.8	1534.7	1484.6	1479.3	1465.0
30°	1507.9	1504.4	1495.4	1488.3	1495.4	1504.4	1507.9	1497.2	1447.2	1432.9	1436.4
32.5°	1450.7	1441.8	1432.9	1427.5	1432.9	1441.8	1450.7	1447.2	1409.6	1390.0	1393.5
35°	1382.9	1384.7	1382.9	1377.5	1382.9	1384.7	1382.9	1386.4	1363.2	1345.3	1343.5
37.5°	1334.6	1338.2	1336.4	1329.2	1336.4	1338.2	1334.6	1331.0	1298.9	1293.5	1297.1
40°	1284.6	1286.4	1284.6	1279.3	1284.6	1286.4	1284.6	1277.4	1232.8	1234.6	1247.0
42.5°	1236.4	1234.6	1229.2	1225.6	1229.2	1234.6	1236.4	1225.6	1168.4	1163.1	1186.3
45°	1181.0	1182.7	1172.0	1166.7	1172.0	1182.7	1181.0	1173.8	1114.9	1100.6	1116.7
47.5°	1125.5	1125.5	1116.7	1111.2	1116.7	1125.5	1125.5	1116.7	1054.1	1039.8	1048.7
50°	1066.6	1064.8	1052.3	1050.5	1052.3	1064.8	1066.6	1061.2	995.2	982.7	982.7
52.5°	998.7	998.7	1000.5	1004.1	1000.5	998.7	998.7	1000.5	941.5	929.0	925.5
55°	939.8	941.5	954.1	957.6	954.1	941.5	939.8	939.8	886.1	873.6	866.5
57.5°	879.0	879.0	887.9	887.9	887.9	879.0	879.0	875.5	823.6	812.9	809.3
60°	809.3	812.9	820.1	818.3	820.1	812.9	809.3	805.8	761.1	753.9	741.5
62.5°	736.1	739.7	741.5	737.8	741.5	739.7	736.1	725.4	698.6	693.2	677.1
65°	659.3	662.8	664.6	661.0	664.6	662.8	659.3	653.9	634.2	625.3	611.0
67.5°	580.7	578.9	577.1	584.2	577.1	578.9	580.7	573.5	561.0	553.8	534.2
70°	500.2	500.2	498.4	502.1	498.4	500.2	500.2	494.9	487.8	482.4	464.5
72.5°	414.5	412.7	419.8	414.5	419.8	412.7	414.5	412.7	409.1	403.8	385.9
75°	330.5	334.1	330.5	335.8	330.5	334.1	330.5	332.3	330.5	327.0	314.4
77.5°	251.9	255.5	251.9	251.9	251.9	255.5	251.9	253.7	253.7	253.7	243.0
80°	178.7	176.9	176.9	175.1	176.9	176.9	178.7	178.7	180.4	176.9	173.3
82.5°	114.4	112.6	112.6	116.2	112.6	112.6	114.4	116.2	112.6	112.6	112.6
85°	62.5	64.3	60.7	60.7	60.7	64.3	62.5	59.0	62.5	62.5	60.7
87.5°	23.3	21.4	21.4	21.4	21.4	21.4	23.3	25.0	25.0	25.0	26.8
90°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4
92.5°	210.5	202.2	168.6	135.2	168.6	202.2	210.5	298.5	415.7	474.3	416.4
95°	714.7	689.3	587.9	486.4	587.9	689.3	714.7	938.5	1237.0	1386.2	1170.7
97.5°	1649.9	1601.7	1408.6	1215.6	1408.6	1601.7	1649.9	1791.4	1980.0	2074.3	1715.0
100°	2317.0	2259.5	2029.5	1799.5	2029.5	2259.5	2317.0	2306.7	2292.9	2286.0	1887.3
102.5°	2886.5	2837.2	2640.3	2443.3	2640.3	2837.2	2886.5	2706.3	2466.0	2345.8	1941.5
105°	3551.4	3524.9	3419.0	3313.1	3419.0	3524.9	3551.4	3147.3	2608.6	2339.2	1947.7
107.5°	3897.1	3903.5	3929.1	3954.7	3929.1	3903.5	3897.1	3333.5	2581.9	2206.1	1860.9
110°	3985.7	4013.3	4123.6	4234.0	4123.6	4013.3	3985.7	3355.6	2515.4	2095.3	1784.1



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3929.2	3971.6	4141.0	4310.4	4141.0	3971.6	3929.2	3284.4	2424.5	1994.5	1717.0
115°	3737.5	3796.2	4031.2	4266.0	4031.2	3796.2	3737.5	3116.3	2287.9	1873.8	1640.0
117.5°	3472.7	3537.8	3798.3	4058.9	3798.3	3537.8	3472.7	2912.0	2164.4	1790.7	1591.9
120°	3294.3	3357.6	3610.7	3863.9	3610.7	3357.6	3294.3	2782.0	2099.0	1757.4	1575.8
122.5°	3115.9	3178.3	3427.9	3677.7	3427.9	3178.3	3115.9	2654.6	2039.5	1732.0	1567.2
125°	2879.9	2937.3	3167.3	3397.3	3167.3	2937.3	2879.9	2488.0	1965.5	1704.2	1560.2
127.5°	2690.4	2738.9	2933.0	3127.0	2933.0	2738.9	2690.4	2353.9	1905.3	1681.0	1556.1
130°	2570.8	2615.6	2794.8	2974.1	2794.8	2615.6	2570.8	2271.2	1871.8	1672.1	1558.6
132.5°	2468.8	2509.0	2669.5	2830.1	2669.5	2509.0	2468.8	2200.6	1843.0	1664.3	1560.1
135°	2324.7	2359.3	2497.7	2636.1	2497.7	2359.3	2324.7	2100.1	1800.8	1651.1	1558.7
137.5°	2218.4	2246.7	2359.9	2473.3	2359.9	2246.7	2218.4	2028.5	1775.4	1648.8	1568.3
140°	2133.1	2159.5	2265.5	2371.3	2265.5	2159.5	2133.1	1969.1	1750.3	1641.0	1569.9
142.5°	2073.2	2095.9	2187.1	2278.2	2187.1	2095.9	2073.2	1929.2	1737.1	1641.0	1575.5
145°	1983.4	2000.7	2069.7	2138.6	2069.7	2000.7	1983.4	1865.6	1708.5	1630.0	1575.6
147.5°	1908.1	1922.4	1979.5	2036.6	1979.5	1922.4	1908.1	1815.4	1691.8	1630.0	1586.4
150°	1864.9	1876.4	1922.8	1969.1	1922.8	1876.4	1864.9	1786.6	1682.2	1630.0	1592.1
152.5°	1830.5	1839.2	1874.2	1909.2	1874.2	1839.2	1830.5	1763.7	1674.6	1630.0	1595.7
155°	1789.5	1795.3	1818.4	1841.6	1818.4	1795.3	1789.5	1736.3	1665.4	1630.0	1603.9
157.5°	1754.1	1758.2	1774.4	1790.7	1774.4	1758.2	1754.1	1712.7	1657.5	1630.0	1612.1
160°	1736.3	1738.6	1748.0	1757.4	1748.0	1738.6	1736.3	1700.9	1653.6	1630.0	1615.7
162.5°	1719.7	1721.9	1730.8	1739.7	1730.8	1721.9	1719.7	1689.8	1649.9	1630.0	1619.6
165°	1694.2	1696.5	1705.9	1715.3	1705.9	1696.5	1694.2	1672.8	1644.3	1630.0	1625.3
167.5°	1683.2	1684.2	1688.1	1692.0	1688.1	1684.2	1683.2	1669.2	1650.4	1641.0	1637.1
170°	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1669.2	1650.4	1641.0	1640.8
172.5°	1674.3	1673.4	1670.0	1666.5	1670.0	1673.4	1674.3	1663.2	1648.4	1641.0	1641.0
175°	1662.1	1662.1	1662.1	1662.1	1662.1	1662.1	1662.1	1655.1	1645.7	1641.0	1643.2
177.5°	1659.8	1658.9	1655.0	1651.1	1655.0	1658.9	1659.8	1654.3	1647.0	1643.2	1645.0
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1888.4	1888.4	1888.4	1888.4	1888.4
2.5°	1865.2	1874.1	1879.5	1886.6	1904.5
5°	1793.8	1827.7	1838.4	1865.2	1897.4
7.5°	1636.6	1740.1	1768.7	1833.1	1883.1
10°	1484.6	1588.3	1638.4	1790.2	1865.2
12.5°	1407.8	1468.6	1502.6	1715.2	1840.2
15°	1359.6	1402.5	1427.5	1615.1	1811.6
17.5°	1322.1	1352.5	1370.4	1516.9	1772.4
20°	1298.9	1313.2	1329.2	1445.4	1727.7
22.5°	1282.8	1273.8	1286.4	1395.3	1667.0
25°	1272.1	1238.1	1252.4	1356.1	1595.5
27.5°	1281.0	1206.0	1211.3	1320.3	1520.4
30°	1282.8	1166.7	1168.4	1282.8	1436.4
32.5°	1270.3	1125.5	1127.3	1236.4	1341.8
35°	1239.9	1077.3	1075.5	1182.7	1213.1
37.5°	1198.8	1025.6	1025.6	1123.8	1072.0
40°	1148.8	973.7	979.1	1047.0	946.9
42.5°	1088.1	918.3	925.5	945.1	854.0
45°	1021.9	864.7	870.1	798.6	782.5
47.5°	948.7	809.3	811.1	662.8	759.3
50°	861.2	752.1	745.0	568.1	757.6
52.5°	784.3	689.6	668.2	514.5	687.8
55°	709.2	623.6	577.1	473.5	637.9
57.5°	643.2	537.8	493.1	425.2	627.1
60°	582.4	453.8	419.8	373.4	575.3
62.5°	532.4	391.3	384.1	337.7	521.7
65°	478.8	348.4	346.6	307.3	443.1
67.5°	427.0	319.8	318.0	278.7	337.7
70°	371.6	289.4	285.8	248.4	250.1
72.5°	314.4	255.5	251.9	223.3	207.3
75°	257.3	216.1	214.4	194.7	167.9
77.5°	201.9	171.5	175.1	157.3	123.3
80°	144.7	125.0	128.7	112.6	92.9
82.5°	96.4	82.2	85.8	71.5	62.5
85°	53.6	46.4	48.2	37.6	28.6
87.5°	25.0	21.4	21.4	14.3	9.0
90°	48.8	31.0	28.8	20.0	11.1
92.5°	300.7	213.8	195.0	119.6	44.3
95°	739.8	416.6	382.2	244.3	106.4
97.5°	996.5	457.7	427.2	305.6	183.9
100°	1089.9	492.0	464.3	354.0	243.8
102.5°	1132.8	526.3	500.6	397.6	294.7
105°	1164.6	577.3	555.5	468.3	381.2
107.5°	1170.5	652.7	632.3	551.1	469.8
110°	1161.6	694.8	676.4	603.0	529.7



TEST NUMBER: P935073

CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1162.0	745.7	728.2	658.4	588.4
115°	1172.7	822.2	806.0	741.6	677.0
117.5°	1194.5	896.4	881.8	823.2	764.6
120°	1212.3	939.7	925.9	870.7	815.5
122.5°	1237.8	990.7	976.7	921.1	865.4
125°	1272.1	1056.0	1043.3	992.6	941.9
127.5°	1306.4	1119.1	1106.4	1055.1	1003.9
130°	1331.6	1161.2	1147.5	1092.3	1037.2
132.5°	1351.8	1195.6	1181.8	1126.7	1071.5
135°	1374.0	1235.5	1223.0	1172.7	1122.5
137.5°	1407.2	1286.4	1274.0	1224.3	1174.6
140°	1427.5	1320.8	1309.4	1263.6	1217.8
142.5°	1444.5	1346.3	1335.7	1293.4	1251.0
145°	1466.7	1385.1	1375.9	1338.9	1302.0
147.5°	1499.2	1433.9	1424.9	1388.9	1353.0
150°	1516.3	1459.3	1451.2	1418.7	1386.2
152.5°	1527.3	1475.9	1469.8	1445.1	1420.5
155°	1551.7	1512.5	1508.0	1489.7	1471.5
157.5°	1576.1	1549.1	1544.7	1526.9	1509.2
160°	1587.1	1565.7	1562.3	1548.5	1534.6
162.5°	1598.9	1583.4	1580.8	1570.4	1560.1
165°	1615.9	1608.9	1606.6	1597.2	1587.8
167.5°	1629.2	1623.4	1622.2	1617.8	1613.3
170°	1640.3	1640.0	1638.9	1634.5	1630.0
172.5°	1641.0	1641.0	1640.8	1639.8	1638.8
175°	1647.7	1651.1	1651.1	1651.1	1651.1
177.5°	1648.5	1651.1	1651.1	1651.1	1651.1
180°	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935073
 CATALOG NUMBER: SQ4-FA-100U-050D-940-1D-UNV-STD-W-12

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	8.92	9.64	10.02	10.73	12.25	11.77	12.49	12.87	13.59	15.10
	3H	9.39	10.03	10.50	11.13	12.66	13.11	13.75	14.22	14.86	16.39
	4H	9.57	10.18	10.69	11.29	12.82	13.55	14.16	14.67	15.27	16.81
	6H	9.68	10.24	10.81	11.35	12.90	13.84	14.40	14.97	15.51	17.06
	8H	9.68	10.21	10.81	11.34	12.88	13.91	14.44	15.04	15.57	17.11
	12H	9.64	10.15	10.78	11.27	12.83	13.95	14.45	15.08	15.57	17.14
4H	2H	9.94	10.55	11.07	11.66	13.19	12.16	12.77	13.29	13.88	15.41
	3H	10.95	11.46	12.09	12.59	14.14	13.66	14.17	14.79	15.30	16.85
	4H	11.22	11.69	12.36	12.81	14.38	14.19	14.65	15.32	15.78	17.34
	6H	11.34	11.74	12.48	12.88	14.44	14.55	14.95	15.69	16.09	17.65
	8H	11.34	11.71	12.48	12.85	14.43	14.66	15.03	15.80	16.17	17.74
	12H	11.30	11.64	12.46	12.79	14.37	14.71	15.05	15.87	16.20	17.78
8H	4H	11.67	12.04	12.81	13.18	14.76	14.30	14.67	15.44	15.81	17.39
	6H	11.92	12.23	13.09	13.41	14.98	14.73	15.04	15.90	16.22	17.80
	8H	11.96	12.23	13.13	13.39	14.99	14.89	15.16	16.06	16.32	17.91
	12H	11.94	12.18	13.12	13.33	14.96	14.98	15.22	16.16	16.38	18.00
12H	4H	11.67	12.01	12.83	13.16	14.74	14.26	14.59	15.42	15.74	17.32
	6H	11.98	12.25	13.15	13.41	15.01	14.73	15.00	15.90	16.16	17.75
	8H	12.04	12.28	13.22	13.44	15.06	14.89	15.12	16.06	16.28	17.91