

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: P935053

Luminaire Tested: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935053
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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

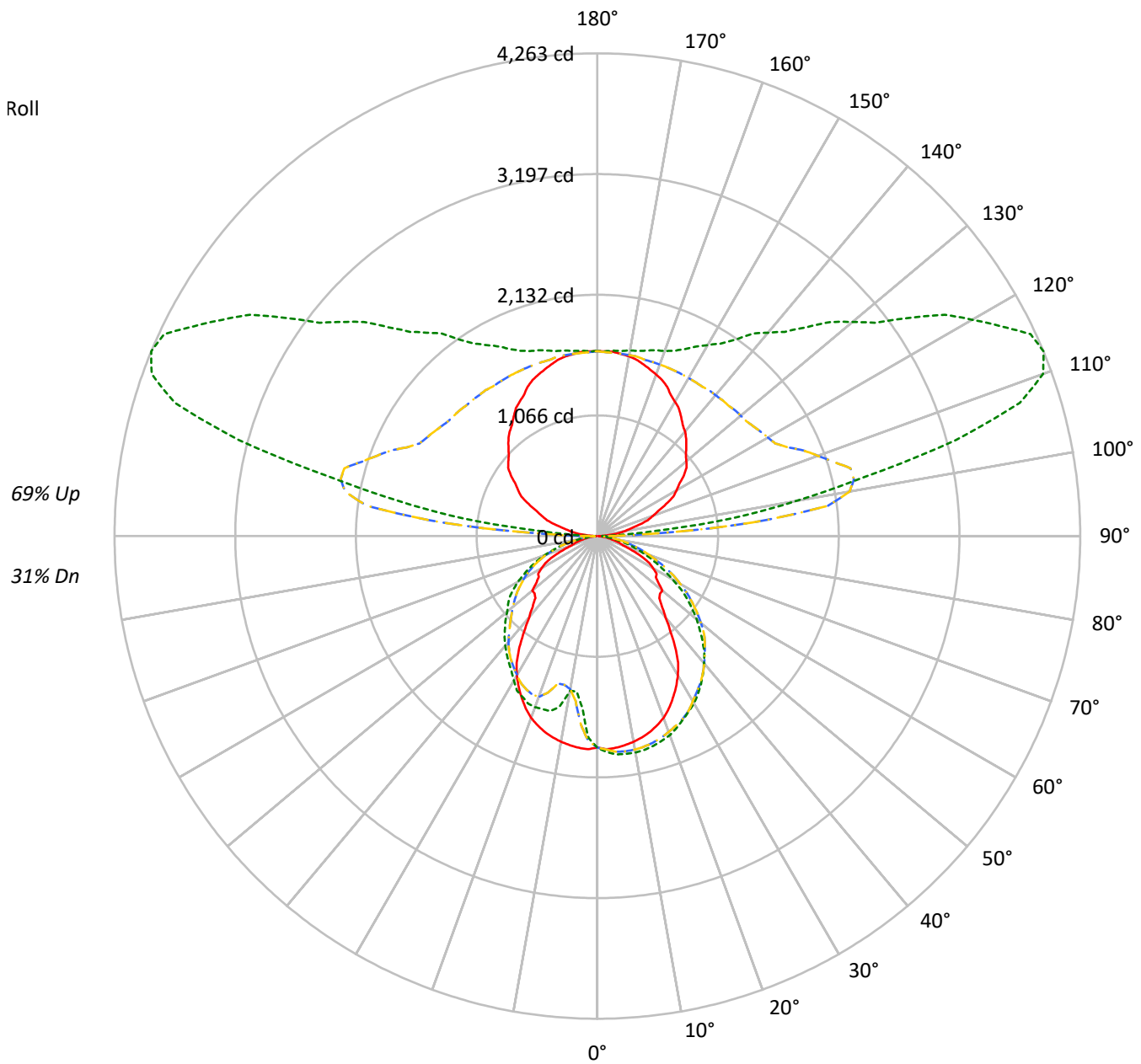
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15435.3 lumens
Efficiency: N/A
Efficacy: 124.9 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 (A_{in}): 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

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Luminous Intensity Polar Plot



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



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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.1
10°-20°	478.7	3.1
20°-30°	740.0	4.8
30°-40°	883.4	5.7
40°-50°	888.6	5.8
50°-60°	773.2	5.0
60°-70°	548.2	3.6
70°-80°	290.0	1.9
80°-90°	78.5	0.5
90°-100°	796.0	5.2
100°-110°	2092.7	13.6
110°-120°	2170.0	14.1
120°-130°	1740.6	11.3
130°-140°	1365.7	8.8
140°-150°	1048.2	6.8
150°-160°	754.9	4.9
160°-170°	461.9	3.0
170°-180°	156.1	1.0
0°-30°	1387.3	9.0
0°-40°	2270.7	14.7
0°-60°	3932.5	25.5
0°-90°	4849.2	31.4
90°-120°	5058.7	32.8
90°-150°	9213.2	59.7
90°-180°	10586.0	68.6
0°-180°	15435.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1868	1868	1868	1868	1868	
5°	1877	1935	1877	1522	1877	178
15°	1792	1917	1792	1601	1792	504
25°	1578	1788	1578	1566	1578	725
35°	1200	1596	1200	1362	1200	742
45°	774	1315	774	1154	774	620
55°	631	970	631	947	631	580
65°	438	585	438	654	438	419
75°	166	278	166	332	166	175
85°	28	71	28	60	28	38
90°	11	42	11	42	11	10
95°	105	481	105	481	105	117
105°	377	3277	377	3277	377	400
115°	670	4219	670	4219	670	661
125°	932	3360	932	3360	932	827
135°	1110	2607	1110	2607	1110	859
145°	1288	2115	1288	2115	1288	807
155°	1455	1822	1455	1822	1455	669
165°	1570	1696	1570	1696	1570	443
175°	1633	1644	1633	1644	1633	155
180°	1633	1633	1633	1633	1633	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1883.7	1883.7	1894.3	1897.8	1897.8	1892.6	1887.3	1892.6	1908.5	1913.7	1912.0
5°	1876.7	1890.8	1910.2	1913.7	1917.3	1915.6	1912.0	1915.6	1933.2	1936.7	1938.5
7.5°	1862.5	1889.0	1913.7	1919.1	1924.4	1919.1	1917.3	1920.8	1938.5	1942.0	1942.0
10°	1844.9	1881.9	1910.2	1913.7	1919.1	1913.7	1913.7	1920.8	1938.5	1942.0	1943.9
12.5°	1820.1	1871.4	1897.8	1901.4	1908.5	1906.7	1904.9	1912.0	1929.7	1933.2	1933.2
15°	1791.8	1851.9	1876.7	1880.2	1892.6	1889.0	1889.0	1896.1	1915.6	1920.8	1919.1
17.5°	1753.0	1827.2	1855.5	1860.8	1869.6	1867.8	1869.6	1876.7	1894.3	1897.8	1899.7
20°	1708.8	1793.6	1827.2	1832.5	1841.4	1841.4	1841.4	1850.1	1867.8	1874.9	1874.9
22.5°	1648.7	1758.3	1793.6	1797.2	1807.7	1807.7	1811.3	1823.6	1839.5	1841.4	1841.4
25°	1578.0	1719.4	1749.4	1760.0	1770.7	1775.9	1781.3	1788.3	1793.6	1791.8	1793.6
27.5°	1503.8	1669.9	1708.8	1715.8	1730.0	1735.3	1742.4	1744.1	1745.9	1751.2	1747.6
30°	1420.7	1601.0	1659.3	1666.4	1689.3	1692.9	1685.8	1689.3	1698.2	1701.7	1705.2
32.5°	1327.1	1498.5	1608.1	1624.0	1645.1	1634.6	1632.8	1638.1	1652.3	1652.3	1655.8
35°	1199.8	1419.0	1560.4	1574.5	1590.4	1578.0	1585.1	1586.8	1595.7	1601.0	1599.2
37.5°	1060.3	1350.0	1510.9	1521.5	1533.9	1518.0	1528.5	1533.9	1540.9	1537.4	1537.4
40°	936.5	1242.3	1452.5	1459.6	1470.2	1457.9	1468.4	1472.0	1475.5	1472.0	1470.2
42.5°	844.7	1123.9	1390.7	1399.6	1392.5	1401.3	1404.8	1412.0	1406.6	1399.6	1399.6
45°	774.0	1092.1	1323.6	1334.1	1323.6	1337.7	1343.0	1343.0	1327.1	1323.6	1321.8
47.5°	751.0	1028.5	1256.4	1256.4	1251.1	1268.8	1277.6	1265.3	1249.4	1244.0	1244.0
50°	749.3	957.8	1164.5	1157.4	1182.2	1203.4	1194.6	1182.2	1169.8	1150.4	1150.4
52.5°	680.3	871.2	1046.1	1072.7	1111.5	1123.9	1109.7	1097.3	1076.2	1067.3	1060.3
55°	630.9	781.1	938.3	991.3	1032.0	1047.9	1021.4	1009.0	977.2	971.9	968.4
57.5°	620.3	650.3	839.4	906.5	956.0	954.3	938.3	915.4	888.8	883.6	881.8
60°	569.1	470.1	733.4	812.9	864.1	858.8	844.7	823.5	798.7	795.2	791.7
62.5°	516.0	341.0	613.1	703.3	775.7	774.0	761.7	729.8	712.1	703.3	696.2
65°	438.3	286.2	436.5	584.9	689.2	692.7	666.2	643.3	623.8	613.1	611.4
67.5°	334.0	233.3	295.1	487.7	606.1	602.6	569.1	558.4	533.7	528.4	517.8
70°	247.4	155.5	205.0	395.9	524.9	516.0	489.5	477.1	454.2	441.8	434.7
72.5°	205.0	125.4	150.2	307.5	441.8	431.2	408.2	394.1	374.6	364.1	356.9
75°	166.1	132.5	114.9	227.9	358.7	351.7	330.4	316.3	300.4	286.2	288.0
77.5°	121.9	123.7	91.9	167.8	284.5	273.9	261.6	243.9	236.8	222.6	222.6
80°	91.9	97.2	68.9	114.9	205.0	205.0	194.4	182.0	169.6	162.6	162.6
82.5°	61.8	61.8	51.2	72.5	139.6	134.3	127.3	123.7	116.6	113.1	113.1
85°	28.3	35.3	31.8	44.2	76.0	79.5	79.5	76.0	74.2	70.7	72.5
87.5°	8.9	15.9	19.4	24.8	38.9	40.7	42.4	42.4	42.4	44.2	44.2
90°	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5	41.6	41.6
92.5°	43.8	118.3	192.9	211.5	297.4	411.8	469.1	411.1	295.2	208.2	200.0
95°	105.2	241.6	378.0	412.1	731.7	1158.0	1371.0	1223.5	928.3	706.9	681.7
97.5°	181.9	302.2	422.6	452.7	985.6	1696.3	2051.6	1958.3	1771.8	1631.9	1584.2
100°	241.1	350.2	459.3	486.6	1078.0	1866.7	2261.0	2267.9	2281.5	2291.7	2234.8
102.5°	291.5	393.3	495.1	520.6	1120.4	1920.3	2320.2	2439.0	2676.7	2855.0	2806.3
105°	377.1	463.2	549.5	571.0	1151.9	1926.4	2313.6	2580.1	3113.0	3512.6	3486.4
107.5°	464.7	545.1	625.4	645.6	1157.7	1840.6	2182.1	2553.7	3297.1	3854.5	3860.8
110°	523.9	596.5	669.0	687.2	1148.9	1764.6	2072.4	2488.0	3318.9	3942.2	3969.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	582.0	651.2	720.3	737.6	1149.3	1698.3	1972.8	2398.0	3248.5	3886.3	3928.2
115°	669.6	733.5	797.2	813.2	1159.9	1622.1	1853.3	2262.9	3082.2	3696.7	3754.7
117.5°	756.2	814.2	872.2	886.6	1181.5	1574.5	1771.1	2140.8	2880.2	3434.8	3499.2
120°	806.6	861.2	915.8	929.4	1199.1	1558.5	1738.2	2076.0	2751.6	3258.3	3320.9
122.5°	856.0	911.1	966.0	979.8	1224.3	1550.1	1713.0	2017.2	2625.6	3081.9	3143.6
125°	931.6	981.8	1031.9	1044.5	1258.2	1543.2	1685.6	1944.0	2460.8	2848.4	2905.2
127.5°	992.9	1043.6	1094.3	1106.9	1292.2	1539.1	1662.6	1884.5	2328.2	2661.0	2708.9
130°	1025.9	1080.4	1134.9	1148.6	1317.0	1541.6	1653.8	1851.4	2246.4	2542.7	2587.0
132.5°	1059.8	1114.4	1168.9	1182.5	1337.0	1543.1	1646.1	1822.9	2176.6	2441.9	2481.6
135°	1110.3	1159.9	1209.6	1222.0	1359.0	1541.7	1633.0	1781.1	2077.2	2299.3	2333.6
137.5°	1161.7	1210.9	1260.1	1272.4	1391.8	1551.2	1630.8	1756.0	2006.4	2194.2	2222.2
140°	1204.5	1249.8	1295.1	1306.4	1412.0	1552.7	1623.1	1731.2	1947.5	2109.8	2135.9
142.5°	1237.4	1279.2	1321.1	1331.6	1428.7	1558.3	1623.1	1718.1	1908.1	2050.6	2073.1
145°	1287.8	1324.3	1360.8	1370.0	1450.7	1558.4	1612.2	1689.9	1845.2	1961.8	1978.8
147.5°	1338.2	1373.8	1409.3	1418.2	1482.8	1569.1	1612.2	1673.3	1795.6	1887.3	1901.4
150°	1371.0	1403.2	1435.3	1443.4	1499.7	1574.7	1612.2	1663.9	1767.1	1844.5	1855.9
152.5°	1405.0	1429.3	1453.8	1459.8	1510.6	1578.3	1612.2	1656.3	1744.4	1810.5	1819.1
155°	1455.4	1473.4	1491.5	1496.0	1534.7	1586.4	1612.2	1647.3	1717.3	1770.0	1775.7
157.5°	1492.7	1510.2	1527.8	1532.2	1558.9	1594.5	1612.2	1639.4	1694.0	1734.9	1738.9
160°	1517.9	1531.6	1545.2	1548.6	1569.8	1598.1	1612.2	1635.6	1682.3	1717.3	1719.6
162.5°	1543.1	1553.3	1563.6	1566.1	1581.5	1601.9	1612.2	1631.9	1671.3	1700.9	1703.1
165°	1570.5	1579.7	1589.0	1591.3	1598.2	1607.6	1612.2	1626.3	1654.5	1675.7	1678.0
167.5°	1595.7	1600.1	1604.5	1605.6	1611.4	1619.2	1623.1	1632.4	1650.9	1664.8	1665.8
170°	1612.2	1616.6	1621.0	1622.0	1622.4	1622.8	1623.1	1632.4	1650.9	1664.8	1664.8
172.5°	1620.9	1621.9	1622.8	1623.1	1623.1	1623.1	1623.1	1630.4	1645.1	1656.0	1655.2
175°	1633.0	1633.0	1633.0	1633.0	1629.7	1625.3	1623.1	1627.8	1637.0	1643.9	1643.9
177.5°	1633.0	1633.0	1633.0	1633.0	1630.5	1627.1	1625.3	1629.0	1636.3	1641.7	1640.8
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1915.6	1910.2	1915.6	1912.0	1913.7	1908.5	1892.6	1887.3	1892.6	1897.8	1897.8
5°	1938.5	1935.0	1938.5	1938.5	1936.7	1933.2	1915.6	1912.0	1915.6	1917.3	1913.7
7.5°	1945.6	1940.3	1945.6	1942.0	1942.0	1938.5	1920.8	1917.3	1919.1	1924.4	1919.1
10°	1945.6	1940.3	1945.6	1943.9	1942.0	1938.5	1920.8	1913.7	1913.7	1919.1	1913.7
12.5°	1936.7	1933.2	1936.7	1933.2	1933.2	1929.7	1912.0	1904.9	1906.7	1908.5	1901.4
15°	1922.6	1917.3	1922.6	1919.1	1920.8	1915.6	1896.1	1889.0	1889.0	1892.6	1880.2
17.5°	1901.4	1894.3	1901.4	1899.7	1897.8	1894.3	1876.7	1869.6	1867.8	1869.6	1860.8
20°	1876.7	1871.4	1876.7	1874.9	1874.9	1867.8	1850.1	1841.4	1841.4	1841.4	1832.5
22.5°	1837.8	1832.5	1837.8	1841.4	1841.4	1839.5	1823.6	1811.3	1807.7	1807.7	1797.2
25°	1793.6	1788.3	1793.6	1793.6	1791.8	1793.6	1788.3	1781.3	1775.9	1770.7	1760.0
27.5°	1751.2	1747.6	1751.2	1747.6	1751.2	1745.9	1744.1	1742.4	1735.3	1730.0	1715.8
30°	1708.8	1705.2	1708.8	1705.2	1701.7	1698.2	1689.3	1685.8	1692.9	1689.3	1666.4
32.5°	1655.8	1652.3	1655.8	1655.8	1652.3	1652.3	1638.1	1632.8	1634.6	1645.1	1624.0
35°	1601.0	1595.7	1601.0	1599.2	1601.0	1595.7	1586.8	1585.1	1578.0	1590.4	1574.5
37.5°	1537.4	1532.1	1537.4	1537.4	1537.4	1540.9	1533.9	1528.5	1518.0	1533.9	1521.5
40°	1472.0	1464.9	1472.0	1470.2	1472.0	1475.5	1472.0	1468.4	1457.9	1470.2	1459.6
42.5°	1397.8	1396.0	1397.8	1399.6	1399.6	1406.6	1412.0	1404.8	1401.3	1392.5	1399.6
45°	1318.2	1314.7	1318.2	1321.8	1323.6	1327.1	1343.0	1343.0	1337.7	1323.6	1334.1
47.5°	1233.4	1224.6	1233.4	1244.0	1244.0	1249.4	1265.3	1277.6	1268.8	1251.1	1256.4
50°	1143.3	1145.0	1143.3	1150.4	1150.4	1169.8	1182.2	1194.6	1203.4	1182.2	1157.4
52.5°	1054.9	1053.2	1054.9	1060.3	1067.3	1076.2	1097.3	1109.7	1123.9	1111.5	1072.7
55°	966.6	970.2	966.6	968.4	971.9	977.2	1009.0	1021.4	1047.9	1032.0	991.3
57.5°	878.2	872.9	878.2	881.8	883.6	888.8	915.4	938.3	954.3	956.0	906.5
60°	775.7	768.7	775.7	791.7	795.2	798.7	823.5	844.7	858.8	864.1	812.9
62.5°	685.6	673.3	685.6	696.2	703.3	712.1	729.8	761.7	774.0	775.7	703.3
65°	590.2	584.9	590.2	611.4	613.1	623.8	643.3	666.2	692.7	689.2	584.9
67.5°	503.6	503.6	503.6	517.8	528.4	533.7	558.4	569.1	602.6	606.1	487.7
70°	424.1	422.4	424.1	434.7	441.8	454.2	477.1	489.5	516.0	524.9	395.9
72.5°	348.2	346.3	348.2	356.9	364.1	374.6	394.1	408.2	431.2	441.8	307.5
75°	281.0	277.5	281.0	288.0	286.2	300.4	316.3	330.4	351.7	358.7	227.9
77.5°	215.6	215.6	215.6	222.6	222.6	236.8	243.9	261.6	273.9	284.5	167.8
80°	160.8	159.1	160.8	162.6	162.6	169.6	182.0	194.4	205.0	205.0	114.9
82.5°	113.1	109.5	113.1	113.1	113.1	116.6	123.7	127.3	134.3	139.6	72.5
85°	70.7	70.7	70.7	72.5	70.7	74.2	76.0	79.5	79.5	76.0	44.2
87.5°	45.9	44.2	45.9	44.2	44.2	42.4	42.4	42.4	40.7	38.9	24.8
90°	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6	48.2	30.7
92.5°	166.8	133.7	166.8	200.0	208.2	295.2	411.1	469.1	411.8	297.4	211.5
95°	581.4	481.1	581.4	681.7	706.9	928.3	1223.5	1371.0	1158.0	731.7	412.1
97.5°	1393.2	1202.3	1393.2	1584.2	1631.9	1771.8	1958.3	2051.6	1696.3	985.6	452.7
100°	2007.4	1779.9	2007.4	2234.8	2291.7	2281.5	2267.9	2261.0	1866.7	1078.0	486.6
102.5°	2611.5	2416.6	2611.5	2806.3	2855.0	2676.7	2439.0	2320.2	1920.3	1120.4	520.6
105°	3381.6	3276.9	3381.6	3486.4	3512.6	3113.0	2580.1	2313.6	1926.4	1151.9	571.0
107.5°	3886.2	3911.5	3886.2	3860.8	3854.5	3297.1	2553.7	2182.1	1840.6	1157.7	645.6
110°	4078.6	4187.7	4078.6	3969.5	3942.2	3318.9	2488.0	2072.4	1764.6	1148.9	687.2



TEST NUMBER: P935053

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4095.8	4263.4	4095.8	3928.2	3886.3	3248.5	2398.0	1972.8	1698.3	1149.3	737.6
115°	3987.1	4219.4	3987.1	3754.7	3696.7	3082.2	2262.9	1853.3	1622.1	1159.9	813.2
117.5°	3756.8	4014.5	3756.8	3499.2	3434.8	2880.2	2140.8	1771.1	1574.5	1181.5	886.6
120°	3571.3	3821.7	3571.3	3320.9	3258.3	2751.6	2076.0	1738.2	1558.5	1199.1	929.4
122.5°	3390.5	3637.5	3390.5	3143.6	3081.9	2625.6	2017.2	1713.0	1550.1	1224.3	979.8
125°	3132.7	3360.2	3132.7	2905.2	2848.4	2460.8	1944.0	1685.6	1543.2	1258.2	1044.5
127.5°	2900.9	3092.8	2900.9	2708.9	2661.0	2328.2	1884.5	1662.6	1539.1	1292.2	1106.9
130°	2764.3	2941.6	2764.3	2587.0	2542.7	2246.4	1851.4	1653.8	1541.6	1317.0	1148.6
132.5°	2640.3	2799.1	2640.3	2481.6	2441.9	2176.6	1822.9	1646.1	1543.1	1337.0	1182.5
135°	2470.4	2607.3	2470.4	2333.6	2299.3	2077.2	1781.1	1633.0	1541.7	1359.0	1222.0
137.5°	2334.2	2446.2	2334.2	2222.2	2194.2	2006.4	1756.0	1630.8	1551.2	1391.8	1272.4
140°	2240.7	2345.4	2240.7	2135.9	2109.8	1947.5	1731.2	1623.1	1552.7	1412.0	1306.4
142.5°	2163.2	2253.3	2163.2	2073.1	2050.6	1908.1	1718.1	1623.1	1558.3	1428.7	1331.6
145°	2047.1	2115.2	2047.1	1978.8	1961.8	1845.2	1689.9	1612.2	1558.4	1450.7	1370.0
147.5°	1957.9	2014.4	1957.9	1901.4	1887.3	1795.6	1673.3	1612.2	1569.1	1482.8	1418.2
150°	1901.8	1947.5	1901.8	1855.9	1844.5	1767.1	1663.9	1612.2	1574.7	1499.7	1443.4
152.5°	1853.7	1888.3	1853.7	1819.1	1810.5	1744.4	1656.3	1612.2	1578.3	1510.6	1459.8
155°	1798.6	1821.5	1798.6	1775.7	1770.0	1717.3	1647.3	1612.2	1586.4	1534.7	1496.0
157.5°	1755.0	1771.1	1755.0	1738.9	1734.9	1694.0	1639.4	1612.2	1594.5	1558.9	1532.2
160°	1728.9	1738.2	1728.9	1719.6	1717.3	1682.3	1635.6	1612.2	1598.1	1569.8	1548.6
162.5°	1711.9	1720.7	1711.9	1703.1	1700.9	1671.3	1631.9	1612.2	1601.9	1581.5	1566.1
165°	1687.3	1696.5	1687.3	1678.0	1675.7	1654.5	1626.3	1612.2	1607.6	1598.2	1591.3
167.5°	1669.7	1673.5	1669.7	1665.8	1664.8	1650.9	1632.4	1623.1	1619.2	1611.4	1605.6
170°	1664.8	1664.8	1664.8	1664.8	1664.8	1650.9	1632.4	1623.1	1622.8	1622.4	1622.0
172.5°	1651.7	1648.3	1651.7	1655.2	1656.0	1645.1	1630.4	1623.1	1623.1	1623.1	1623.1
175°	1643.9	1643.9	1643.9	1643.9	1643.9	1637.0	1627.8	1623.1	1625.3	1629.7	1633.0
177.5°	1636.9	1633.0	1636.9	1640.8	1641.7	1636.3	1629.0	1625.3	1627.1	1630.5	1633.0
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0



TEST NUMBER: P935053

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1894.3	1883.7	1883.7	1866.0	1859.0	1853.7	1844.9	1818.3	1811.3	1804.2	1814.8
5°	1910.2	1890.8	1876.7	1844.9	1818.3	1807.7	1774.2	1710.6	1668.2	1636.4	1618.7
7.5°	1913.7	1889.0	1862.5	1813.1	1749.4	1721.1	1618.7	1502.1	1470.2	1442.0	1424.3
10°	1910.2	1881.9	1844.9	1770.7	1620.5	1570.9	1468.4	1392.5	1373.0	1367.8	1373.0
12.5°	1897.8	1871.4	1820.1	1696.4	1486.2	1452.5	1392.5	1348.3	1344.8	1353.6	1401.3
15°	1876.7	1851.9	1791.8	1597.5	1412.0	1387.2	1344.8	1328.9	1348.3	1410.1	1553.3
17.5°	1855.5	1827.2	1753.0	1500.3	1355.4	1337.7	1307.6	1339.5	1449.0	1532.1	1579.8
20°	1827.2	1793.6	1708.8	1429.6	1314.7	1298.8	1284.7	1427.9	1510.9	1540.9	1567.4
22.5°	1793.6	1758.3	1648.7	1380.1	1272.3	1259.9	1268.8	1477.3	1510.9	1532.1	1555.0
25°	1749.4	1719.4	1578.0	1341.3	1238.8	1224.6	1258.2	1472.0	1491.4	1496.7	1542.6
27.5°	1708.8	1669.9	1503.8	1305.9	1198.1	1192.8	1267.0	1449.0	1463.2	1468.4	1518.0
30°	1659.3	1601.0	1420.7	1268.8	1155.7	1153.9	1268.8	1420.7	1417.2	1431.4	1480.8
32.5°	1608.1	1498.5	1327.1	1222.9	1115.0	1113.2	1256.4	1378.3	1374.8	1394.2	1431.4
35°	1560.4	1419.0	1199.8	1169.8	1063.8	1065.6	1226.4	1328.9	1330.6	1348.3	1371.3
37.5°	1510.9	1350.0	1060.3	1111.5	1014.3	1014.3	1185.7	1282.9	1279.4	1284.7	1316.5
40°	1452.5	1242.3	936.5	1035.5	968.4	963.1	1136.3	1233.4	1221.1	1219.3	1263.4
42.5°	1390.7	1123.9	844.7	934.8	915.4	908.3	1076.2	1173.3	1150.4	1155.7	1212.2
45°	1323.6	1092.1	774.0	789.9	860.6	855.3	1010.7	1104.5	1088.6	1102.7	1161.0
47.5°	1256.4	1028.5	751.0	655.6	802.2	800.5	938.3	1037.3	1028.5	1042.6	1104.5
50°	1164.5	957.8	749.3	561.9	736.9	743.9	851.8	971.9	971.9	984.3	1049.7
52.5°	1046.1	871.2	680.3	508.9	660.9	682.1	775.7	915.4	918.9	931.3	989.6
55°	938.3	781.1	630.9	468.3	570.8	616.7	701.5	857.0	864.1	876.5	929.5
57.5°	839.4	650.3	620.3	420.5	487.7	531.9	636.2	800.5	804.0	814.6	865.9
60°	733.4	470.1	569.1	369.3	415.3	448.8	576.1	733.4	745.7	752.8	797.0
62.5°	613.1	341.0	516.0	334.0	380.0	387.0	526.6	669.7	685.6	691.0	717.5
65°	436.5	286.2	438.3	304.0	342.8	344.6	473.6	604.4	618.5	627.3	646.8
67.5°	295.1	233.3	334.0	275.7	314.5	316.3	422.4	528.4	547.8	554.9	567.2
70°	205.0	155.5	247.4	245.7	282.7	286.2	367.6	459.4	477.1	482.5	489.5
72.5°	150.2	125.4	205.0	220.9	249.2	252.7	311.0	381.7	399.4	404.6	408.2
75°	114.9	132.5	166.1	192.6	212.0	213.8	254.4	311.0	323.4	326.9	328.7
77.5°	91.9	123.7	121.9	155.5	173.2	169.6	199.7	240.3	250.9	250.9	250.9
80°	68.9	97.2	91.9	111.4	127.3	123.7	143.2	171.4	175.0	178.5	176.7
82.5°	51.2	61.8	61.8	70.7	84.8	81.3	95.4	111.4	111.4	111.4	114.9
85°	31.8	35.3	28.3	37.2	47.7	45.9	53.0	60.1	61.8	61.8	58.3
87.5°	19.4	15.9	8.9	14.1	21.2	21.2	24.8	26.5	24.8	24.8	24.8
90°	28.5	19.8	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5
92.5°	192.9	118.3	43.8	118.3	192.9	211.5	297.4	411.8	469.1	411.1	295.2
95°	378.0	241.6	105.2	241.6	378.0	412.1	731.7	1158.0	1371.0	1223.5	928.3
97.5°	422.6	302.2	181.9	302.2	422.6	452.7	985.6	1696.3	2051.6	1958.3	1771.8
100°	459.3	350.2	241.1	350.2	459.3	486.6	1078.0	1866.7	2261.0	2267.9	2281.5
102.5°	495.1	393.3	291.5	393.3	495.1	520.6	1120.4	1920.3	2320.2	2439.0	2676.7
105°	549.5	463.2	377.1	463.2	549.5	571.0	1151.9	1926.4	2313.6	2580.1	3113.0
107.5°	625.4	545.1	464.7	545.1	625.4	645.6	1157.7	1840.6	2182.1	2553.7	3297.1
110°	669.0	596.5	523.9	596.5	669.0	687.2	1148.9	1764.6	2072.4	2488.0	3318.9



TEST NUMBER: P935053

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	720.3	651.2	582.0	651.2	720.3	737.6	1149.3	1698.3	1972.8	2398.0	3248.5
115°	797.2	733.5	669.6	733.5	797.2	813.2	1159.9	1622.1	1853.3	2262.9	3082.2
117.5°	872.2	814.2	756.2	814.2	872.2	886.6	1181.5	1574.5	1771.1	2140.8	2880.2
120°	915.8	861.2	806.6	861.2	915.8	929.4	1199.1	1558.5	1738.2	2076.0	2751.6
122.5°	966.0	911.1	856.0	911.1	966.0	979.8	1224.3	1550.1	1713.0	2017.2	2625.6
125°	1031.9	981.8	931.6	981.8	1031.9	1044.5	1258.2	1543.2	1685.6	1944.0	2460.8
127.5°	1094.3	1043.6	992.9	1043.6	1094.3	1106.9	1292.2	1539.1	1662.6	1884.5	2328.2
130°	1134.9	1080.4	1025.9	1080.4	1134.9	1148.6	1317.0	1541.6	1653.8	1851.4	2246.4
132.5°	1168.9	1114.4	1059.8	1114.4	1168.9	1182.5	1337.0	1543.1	1646.1	1822.9	2176.6
135°	1209.6	1159.9	1110.3	1159.9	1209.6	1222.0	1359.0	1541.7	1633.0	1781.1	2077.2
137.5°	1260.1	1210.9	1161.7	1210.9	1260.1	1272.4	1391.8	1551.2	1630.8	1756.0	2006.4
140°	1295.1	1249.8	1204.5	1249.8	1295.1	1306.4	1412.0	1552.7	1623.1	1731.2	1947.5
142.5°	1321.1	1279.2	1237.4	1279.2	1321.1	1331.6	1428.7	1558.3	1623.1	1718.1	1908.1
145°	1360.8	1324.3	1287.8	1324.3	1360.8	1370.0	1450.7	1558.4	1612.2	1689.9	1845.2
147.5°	1409.3	1373.8	1338.2	1373.8	1409.3	1418.2	1482.8	1569.1	1612.2	1673.3	1795.6
150°	1435.3	1403.2	1371.0	1403.2	1435.3	1443.4	1499.7	1574.7	1612.2	1663.9	1767.1
152.5°	1453.8	1429.3	1405.0	1429.3	1453.8	1459.8	1510.6	1578.3	1612.2	1656.3	1744.4
155°	1491.5	1473.4	1455.4	1473.4	1491.5	1496.0	1534.7	1586.4	1612.2	1647.3	1717.3
157.5°	1527.8	1510.2	1492.7	1510.2	1527.8	1532.2	1558.9	1594.5	1612.2	1639.4	1694.0
160°	1545.2	1531.6	1517.9	1531.6	1545.2	1548.6	1569.8	1598.1	1612.2	1635.6	1682.3
162.5°	1563.6	1553.3	1543.1	1553.3	1563.6	1566.1	1581.5	1601.9	1612.2	1631.9	1671.3
165°	1589.0	1579.7	1570.5	1579.7	1589.0	1591.3	1598.2	1607.6	1612.2	1626.3	1654.5
167.5°	1604.5	1600.1	1595.7	1600.1	1604.5	1605.6	1611.4	1619.2	1623.1	1632.4	1650.9
170°	1621.0	1616.6	1612.2	1616.6	1621.0	1622.0	1622.4	1622.8	1623.1	1632.4	1650.9
172.5°	1622.8	1621.9	1620.9	1621.9	1622.8	1623.1	1623.1	1623.1	1623.1	1630.4	1645.1
175°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1629.7	1625.3	1623.1	1627.8	1637.0
177.5°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1630.5	1627.1	1625.3	1629.0	1636.3
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0



TEST NUMBER: P935053

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1802.4	1797.2	1804.2	1784.8	1804.2	1797.2	1802.4	1814.8	1804.2	1811.3	1818.3
5°	1581.6	1572.7	1544.5	1521.5	1544.5	1572.7	1581.6	1618.7	1636.4	1668.2	1710.6
7.5°	1413.7	1406.6	1399.6	1385.4	1399.6	1406.6	1413.7	1424.3	1442.0	1470.2	1502.1
10°	1376.6	1378.3	1388.9	1387.2	1388.9	1378.3	1376.6	1373.0	1367.8	1373.0	1392.5
12.5°	1472.0	1487.9	1546.2	1542.6	1546.2	1487.9	1472.0	1401.3	1353.6	1344.8	1348.3
15°	1581.6	1586.8	1599.2	1601.0	1599.2	1586.8	1581.6	1553.3	1410.1	1348.3	1328.9
17.5°	1592.2	1593.9	1602.7	1602.7	1602.7	1593.9	1592.2	1579.8	1532.1	1449.0	1339.5
20°	1583.3	1586.8	1604.6	1608.1	1604.6	1586.8	1583.3	1567.4	1540.9	1510.9	1427.9
22.5°	1579.8	1586.8	1601.0	1599.2	1601.0	1586.8	1579.8	1555.0	1532.1	1510.9	1477.3
25°	1562.1	1562.1	1563.9	1565.7	1563.9	1562.1	1562.1	1542.6	1496.7	1491.4	1472.0
27.5°	1525.0	1528.5	1539.1	1537.4	1539.1	1528.5	1525.0	1518.0	1468.4	1463.2	1449.0
30°	1491.4	1487.9	1479.1	1472.0	1479.1	1487.9	1491.4	1480.8	1431.4	1417.2	1420.7
32.5°	1434.9	1426.0	1417.2	1412.0	1417.2	1426.0	1434.9	1431.4	1394.2	1374.8	1378.3
35°	1367.8	1369.5	1367.8	1362.4	1367.8	1369.5	1367.8	1371.3	1348.3	1330.6	1328.9
37.5°	1320.0	1323.6	1321.8	1314.7	1321.8	1323.6	1320.0	1316.5	1284.7	1279.4	1282.9
40°	1270.6	1272.3	1270.6	1265.3	1270.6	1272.3	1270.6	1263.4	1219.3	1221.1	1233.4
42.5°	1222.9	1221.1	1215.7	1212.2	1215.7	1221.1	1222.9	1212.2	1155.7	1150.4	1173.3
45°	1168.1	1169.8	1159.2	1153.9	1159.2	1169.8	1168.1	1161.0	1102.7	1088.6	1104.5
47.5°	1113.2	1113.2	1104.5	1099.1	1104.5	1113.2	1113.2	1104.5	1042.6	1028.5	1037.3
50°	1054.9	1053.2	1040.8	1039.0	1040.8	1053.2	1054.9	1049.7	984.3	971.9	971.9
52.5°	987.8	987.8	989.6	993.1	989.6	987.8	987.8	989.6	931.3	918.9	915.4
55°	929.5	931.3	943.6	947.2	943.6	931.3	929.5	929.5	876.5	864.1	857.0
57.5°	869.4	869.4	878.2	878.2	878.2	869.4	869.4	865.9	814.6	804.0	800.5
60°	800.5	804.0	811.1	809.4	811.1	804.0	800.5	797.0	752.8	745.7	733.4
62.5°	728.0	731.6	733.4	729.8	733.4	731.6	728.0	717.5	691.0	685.6	669.7
65°	652.1	655.6	657.3	653.8	657.3	655.6	652.1	646.8	627.3	618.5	604.4
67.5°	574.3	572.6	570.8	577.8	570.8	572.6	574.3	567.2	554.9	547.8	528.4
70°	494.7	494.7	493.0	496.6	493.0	494.7	494.7	489.5	482.5	477.1	459.4
72.5°	410.0	408.2	415.3	410.0	415.3	408.2	410.0	408.2	404.6	399.4	381.7
75°	326.9	330.4	326.9	332.2	326.9	330.4	326.9	328.7	326.9	323.4	311.0
77.5°	249.2	252.7	249.2	249.2	249.2	252.7	249.2	250.9	250.9	250.9	240.3
80°	176.7	175.0	175.0	173.2	175.0	175.0	176.7	176.7	178.5	175.0	171.4
82.5°	113.1	111.4	111.4	114.9	111.4	111.4	113.1	114.9	111.4	111.4	111.4
85°	61.8	63.6	60.1	60.1	60.1	63.6	61.8	58.3	61.8	61.8	60.1
87.5°	23.0	21.2	21.2	21.2	21.2	21.2	23.0	24.8	24.8	24.8	26.5
90°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6
92.5°	208.2	200.0	166.8	133.7	166.8	200.0	208.2	295.2	411.1	469.1	411.8
95°	706.9	681.7	581.4	481.1	581.4	681.7	706.9	928.3	1223.5	1371.0	1158.0
97.5°	1631.9	1584.2	1393.2	1202.3	1393.2	1584.2	1631.9	1771.8	1958.3	2051.6	1696.3
100°	2291.7	2234.8	2007.4	1779.9	2007.4	2234.8	2291.7	2281.5	2267.9	2261.0	1866.7
102.5°	2855.0	2806.3	2611.5	2416.6	2611.5	2806.3	2855.0	2676.7	2439.0	2320.2	1920.3
105°	3512.6	3486.4	3381.6	3276.9	3381.6	3486.4	3512.6	3113.0	2580.1	2313.6	1926.4
107.5°	3854.5	3860.8	3886.2	3911.5	3886.2	3860.8	3854.5	3297.1	2553.7	2182.1	1840.6
110°	3942.2	3969.5	4078.6	4187.7	4078.6	3969.5	3942.2	3318.9	2488.0	2072.4	1764.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3886.3	3928.2	4095.8	4263.4	4095.8	3928.2	3886.3	3248.5	2398.0	1972.8	1698.3
115°	3696.7	3754.7	3987.1	4219.4	3987.1	3754.7	3696.7	3082.2	2262.9	1853.3	1622.1
117.5°	3434.8	3499.2	3756.8	4014.5	3756.8	3499.2	3434.8	2880.2	2140.8	1771.1	1574.5
120°	3258.3	3320.9	3571.3	3821.7	3571.3	3320.9	3258.3	2751.6	2076.0	1738.2	1558.5
122.5°	3081.9	3143.6	3390.5	3637.5	3390.5	3143.6	3081.9	2625.6	2017.2	1713.0	1550.1
125°	2848.4	2905.2	3132.7	3360.2	3132.7	2905.2	2848.4	2460.8	1944.0	1685.6	1543.2
127.5°	2661.0	2708.9	2900.9	3092.8	2900.9	2708.9	2661.0	2328.2	1884.5	1662.6	1539.1
130°	2542.7	2587.0	2764.3	2941.6	2764.3	2587.0	2542.7	2246.4	1851.4	1653.8	1541.6
132.5°	2441.9	2481.6	2640.3	2799.1	2640.3	2481.6	2441.9	2176.6	1822.9	1646.1	1543.1
135°	2299.3	2333.6	2470.4	2607.3	2470.4	2333.6	2299.3	2077.2	1781.1	1633.0	1541.7
137.5°	2194.2	2222.2	2334.2	2446.2	2334.2	2222.2	2194.2	2006.4	1756.0	1630.8	1551.2
140°	2109.8	2135.9	2240.7	2345.4	2240.7	2135.9	2109.8	1947.5	1731.2	1623.1	1552.7
142.5°	2050.6	2073.1	2163.2	2253.3	2163.2	2073.1	2050.6	1908.1	1718.1	1623.1	1558.3
145°	1961.8	1978.8	2047.1	2115.2	2047.1	1978.8	1961.8	1845.2	1689.9	1612.2	1558.4
147.5°	1887.3	1901.4	1957.9	2014.4	1957.9	1901.4	1887.3	1795.6	1673.3	1612.2	1569.1
150°	1844.5	1855.9	1901.8	1947.5	1901.8	1855.9	1844.5	1767.1	1663.9	1612.2	1574.7
152.5°	1810.5	1819.1	1853.7	1888.3	1853.7	1819.1	1810.5	1744.4	1656.3	1612.2	1578.3
155°	1770.0	1775.7	1798.6	1821.5	1798.6	1775.7	1770.0	1717.3	1647.3	1612.2	1586.4
157.5°	1734.9	1738.9	1755.0	1771.1	1755.0	1738.9	1734.9	1694.0	1639.4	1612.2	1594.5
160°	1717.3	1719.6	1728.9	1738.2	1728.9	1719.6	1717.3	1682.3	1635.6	1612.2	1598.1
162.5°	1700.9	1703.1	1711.9	1720.7	1711.9	1703.1	1700.9	1671.3	1631.9	1612.2	1601.9
165°	1675.7	1678.0	1687.3	1696.5	1687.3	1678.0	1675.7	1654.5	1626.3	1612.2	1607.6
167.5°	1664.8	1665.8	1669.7	1673.5	1669.7	1665.8	1664.8	1650.9	1632.4	1623.1	1619.2
170°	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1664.8	1650.9	1632.4	1623.1	1622.8
172.5°	1656.0	1655.2	1651.7	1648.3	1651.7	1655.2	1656.0	1645.1	1630.4	1623.1	1623.1
175°	1643.9	1643.9	1643.9	1643.9	1643.9	1643.9	1643.9	1637.0	1627.8	1623.1	1625.3
177.5°	1641.7	1640.8	1636.9	1633.0	1636.9	1640.8	1641.7	1636.3	1629.0	1625.3	1627.1
180°	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0	1633.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1844.9	1853.7	1859.0	1866.0	1883.7
5°	1774.2	1807.7	1818.3	1844.9	1876.7
7.5°	1618.7	1721.1	1749.4	1813.1	1862.5
10°	1468.4	1570.9	1620.5	1770.7	1844.9
12.5°	1392.5	1452.5	1486.2	1696.4	1820.1
15°	1344.8	1387.2	1412.0	1597.5	1791.8
17.5°	1307.6	1337.7	1355.4	1500.3	1753.0
20°	1284.7	1298.8	1314.7	1429.6	1708.8
22.5°	1268.8	1259.9	1272.3	1380.1	1648.7
25°	1258.2	1224.6	1238.8	1341.3	1578.0
27.5°	1267.0	1192.8	1198.1	1305.9	1503.8
30°	1268.8	1153.9	1155.7	1268.8	1420.7
32.5°	1256.4	1113.2	1115.0	1222.9	1327.1
35°	1226.4	1065.6	1063.8	1169.8	1199.8
37.5°	1185.7	1014.3	1014.3	1111.5	1060.3
40°	1136.3	963.1	968.4	1035.5	936.5
42.5°	1076.2	908.3	915.4	934.8	844.7
45°	1010.7	855.3	860.6	789.9	774.0
47.5°	938.3	800.5	802.2	655.6	751.0
50°	851.8	743.9	736.9	561.9	749.3
52.5°	775.7	682.1	660.9	508.9	680.3
55°	701.5	616.7	570.8	468.3	630.9
57.5°	636.2	531.9	487.7	420.5	620.3
60°	576.1	448.8	415.3	369.3	569.1
62.5°	526.6	387.0	380.0	334.0	516.0
65°	473.6	344.6	342.8	304.0	438.3
67.5°	422.4	316.3	314.5	275.7	334.0
70°	367.6	286.2	282.7	245.7	247.4
72.5°	311.0	252.7	249.2	220.9	205.0
75°	254.4	213.8	212.0	192.6	166.1
77.5°	199.7	169.6	173.2	155.5	121.9
80°	143.2	123.7	127.3	111.4	91.9
82.5°	95.4	81.3	84.8	70.7	61.8
85°	53.0	45.9	47.7	37.2	28.3
87.5°	24.8	21.2	21.2	14.1	8.9
90°	48.2	30.7	28.5	19.8	11.0
92.5°	297.4	211.5	192.9	118.3	43.8
95°	731.7	412.1	378.0	241.6	105.2
97.5°	985.6	452.7	422.6	302.2	181.9
100°	1078.0	486.6	459.3	350.2	241.1
102.5°	1120.4	520.6	495.1	393.3	291.5
105°	1151.9	571.0	549.5	463.2	377.1
107.5°	1157.7	645.6	625.4	545.1	464.7
110°	1148.9	687.2	669.0	596.5	523.9



TEST NUMBER: P935053

CATALOG NUMBER: SQ4-FA-100U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1149.3	737.6	720.3	651.2	582.0
115°	1159.9	813.2	797.2	733.5	669.6
117.5°	1181.5	886.6	872.2	814.2	756.2
120°	1199.1	929.4	915.8	861.2	806.6
122.5°	1224.3	979.8	966.0	911.1	856.0
125°	1258.2	1044.5	1031.9	981.8	931.6
127.5°	1292.2	1106.9	1094.3	1043.6	992.9
130°	1317.0	1148.6	1134.9	1080.4	1025.9
132.5°	1337.0	1182.5	1168.9	1114.4	1059.8
135°	1359.0	1222.0	1209.6	1159.9	1110.3
137.5°	1391.8	1272.4	1260.1	1210.9	1161.7
140°	1412.0	1306.4	1295.1	1249.8	1204.5
142.5°	1428.7	1331.6	1321.1	1279.2	1237.4
145°	1450.7	1370.0	1360.8	1324.3	1287.8
147.5°	1482.8	1418.2	1409.3	1373.8	1338.2
150°	1499.7	1443.4	1435.3	1403.2	1371.0
152.5°	1510.6	1459.8	1453.8	1429.3	1405.0
155°	1534.7	1496.0	1491.5	1473.4	1455.4
157.5°	1558.9	1532.2	1527.8	1510.2	1492.7
160°	1569.8	1548.6	1545.2	1531.6	1517.9
162.5°	1581.5	1566.1	1563.6	1553.3	1543.1
165°	1598.2	1591.3	1589.0	1579.7	1570.5
167.5°	1611.4	1605.6	1604.5	1600.1	1595.7
170°	1622.4	1622.0	1621.0	1616.6	1612.2
172.5°	1623.1	1623.1	1622.8	1621.9	1620.9
175°	1629.7	1633.0	1633.0	1633.0	1633.0
177.5°	1630.5	1633.0	1633.0	1633.0	1633.0
180°	1633.0	1633.0	1633.0	1633.0	1633.0



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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	8.88	9.60	9.98	10.70	12.21	11.73	12.45	12.84	13.55	15.06
	3H	9.35	9.99	10.46	11.10	12.63	13.07	13.71	14.18	14.82	16.35
	4H	9.53	10.14	10.65	11.25	12.78	13.52	14.12	14.64	15.23	16.77
	6H	9.64	10.20	10.77	11.31	12.86	13.80	14.36	14.93	15.47	17.02
	8H	9.64	10.17	10.77	11.30	12.84	13.87	14.40	15.00	15.53	17.07
	12H	9.61	10.11	10.74	11.23	12.80	13.91	14.41	15.05	15.53	17.10
4H	2H	9.90	10.51	11.03	11.62	13.15	12.12	12.73	13.25	13.84	15.38
	3H	10.92	11.42	12.05	12.56	14.11	13.62	14.13	14.76	15.26	16.81
	4H	11.18	11.65	12.32	12.77	14.34	14.15	14.61	15.29	15.74	17.31
	6H	11.30	11.70	12.45	12.85	14.41	14.51	14.91	15.65	16.06	17.62
	8H	11.30	11.68	12.45	12.81	14.39	14.62	14.99	15.76	16.13	17.70
	12H	11.26	11.60	12.42	12.75	14.33	14.67	15.01	15.83	16.16	17.74
8H	4H	11.63	12.00	12.77	13.14	14.72	14.26	14.63	15.40	15.77	17.35
	6H	11.89	12.19	13.05	13.37	14.95	14.70	15.00	15.86	16.18	17.76
	8H	11.93	12.19	13.10	13.35	14.95	14.85	15.12	16.02	16.28	17.87
	12H	11.90	12.14	13.08	13.30	14.92	14.95	15.18	16.12	16.34	17.97
12H	4H	11.63	11.97	12.79	13.12	14.70	14.22	14.56	15.38	15.70	17.29
	6H	11.95	12.21	13.12	13.37	14.97	14.69	14.96	15.86	16.12	17.71
	8H	12.01	12.24	13.18	13.40	15.03	14.85	15.09	16.02	16.24	17.87