

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: P935943

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935943
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

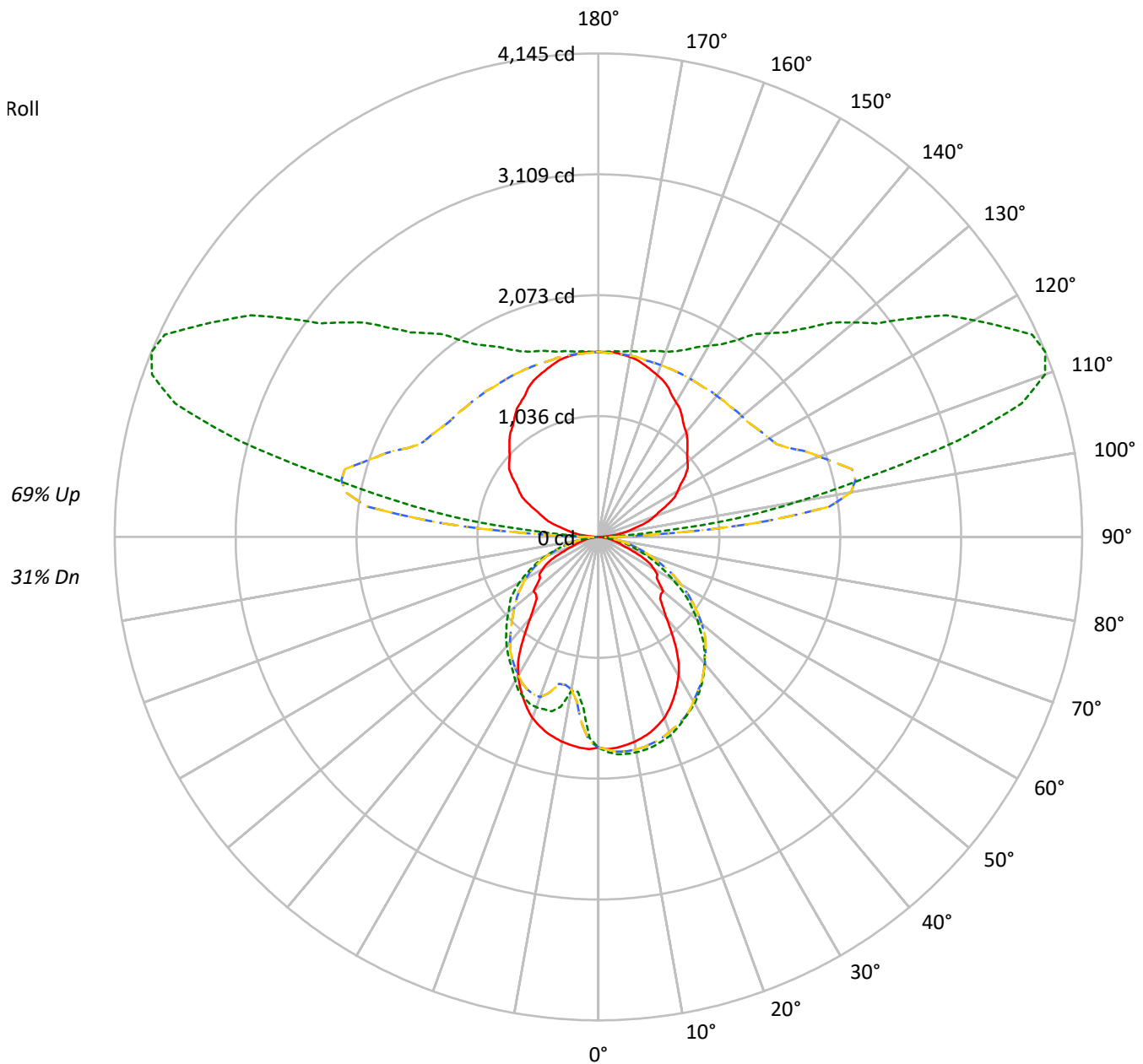
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14978.9 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 127.2
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

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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				
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	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	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	33	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	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	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	14	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°	8377	8377	8377	8377
5°	8440	8456	8440	6649
10°	8383	8330	8383	5955
15°	8292	8149	8292	6805
20°	8119	7936	8119	6819
25°	7764	7624	7764	6674
30°	7305	7365	7305	6357
35°	6512	7037	6512	6009
40°	5427	6652	5427	5745
45°	4849	6201	4849	5442
50°	5151	5663	5151	5139
55°	4846	5083	4846	4962
60°	4996	4317	4996	4545
65°	4529	3568	4529	3989
70°	3137	2844	3137	3344
75°	2751	2102	2751	2518
80°	2216	1389	2216	1513
85°	1272	736	1272	626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	1.1
10°-20°	462.7	3.1
20°-30°	715.3	4.8
30°-40°	853.9	5.7
40°-50°	859.0	5.7
50°-60°	747.4	5.0
60°-70°	529.9	3.5
70°-80°	280.4	1.9
80°-90°	75.9	0.5
90°-100°	773.9	5.2
100°-110°	2034.5	13.6
110°-120°	2109.5	14.1
120°-130°	1692.1	11.3
130°-140°	1327.7	8.9
140°-150°	1019.0	6.8
150°-160°	733.9	4.9
160°-170°	449.0	3.0
170°-180°	151.7	1.0
0°-30°	1341.1	9.0
0°-40°	2195.0	14.7
0°-60°	3801.4	25.4
0°-90°	4687.5	31.3
90°-120°	4917.9	32.8
90°-150°	8956.7	59.8
90°-180°	10291.0	68.7
0°-180°	14978.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1806	1806	1806	1806	1806	
5°	1814	1870	1814	1471	1814	172
15°	1732	1853	1732	1548	1732	487
25°	1525	1729	1525	1513	1525	700
35°	1160	1542	1160	1317	1160	718
45°	748	1271	748	1115	748	599
55°	610	938	610	916	610	560
65°	424	565	424	632	424	405
75°	161	268	161	321	161	169
85°	27	68	27	58	27	37
90°	11	40	11	40	11	10
95°	102	468	102	468	102	114
105°	366	3186	366	3186	366	389
115°	651	4102	651	4102	651	643
125°	906	3267	906	3267	906	804
135°	1079	2535	1079	2535	1079	835
145°	1252	2056	1252	2056	1252	784
155°	1415	1771	1415	1771	1415	650
165°	1527	1649	1527	1649	1527	431
175°	1588	1598	1588	1598	1588	151
180°	1588	1588	1588	1588	1588	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5
2.5°	1820.9	1820.9	1831.2	1834.6	1834.6	1829.5	1824.3	1829.5	1844.8	1850.0	1848.2
5°	1814.1	1827.7	1846.5	1850.0	1853.4	1851.7	1848.2	1851.7	1868.7	1872.2	1873.9
7.5°	1800.4	1826.0	1850.0	1855.1	1860.2	1855.1	1853.4	1856.8	1873.9	1877.3	1877.3
10°	1783.3	1819.2	1846.5	1850.0	1855.1	1850.0	1850.0	1856.8	1873.9	1877.3	1879.0
12.5°	1759.4	1809.0	1834.6	1838.0	1844.8	1843.1	1841.4	1848.2	1865.3	1868.7	1868.7
15°	1732.1	1790.2	1814.1	1817.5	1829.5	1826.0	1826.0	1832.9	1851.7	1856.8	1855.1
17.5°	1694.5	1766.3	1793.6	1798.7	1807.2	1805.5	1807.2	1814.1	1831.2	1834.6	1836.3
20°	1651.8	1733.8	1766.3	1771.4	1779.9	1779.9	1779.9	1788.5	1805.5	1812.4	1812.4
22.5°	1593.7	1699.6	1733.8	1737.2	1747.5	1747.5	1750.9	1762.8	1778.2	1779.9	1779.9
25°	1525.4	1662.0	1691.1	1701.3	1711.6	1716.7	1721.8	1728.7	1733.8	1732.1	1733.8
27.5°	1453.6	1614.2	1651.8	1658.6	1672.3	1677.4	1684.3	1686.0	1687.7	1692.8	1689.4
30°	1373.4	1547.6	1604.0	1610.8	1633.0	1636.4	1629.6	1633.0	1641.5	1645.0	1648.4
32.5°	1282.8	1448.5	1554.4	1569.8	1590.3	1580.1	1578.3	1583.5	1597.1	1597.1	1600.6
35°	1159.8	1371.6	1508.3	1522.0	1537.3	1525.4	1532.2	1533.9	1542.5	1547.6	1545.9
37.5°	1024.9	1305.0	1460.5	1470.7	1482.7	1467.3	1477.6	1482.7	1489.5	1486.1	1486.1
40°	905.4	1200.8	1404.1	1410.9	1421.2	1409.2	1419.5	1422.9	1426.3	1422.9	1421.2
42.5°	816.5	1086.4	1344.3	1352.9	1346.0	1354.6	1358.0	1364.8	1359.7	1352.9	1352.9
45°	748.2	1055.6	1279.4	1289.6	1279.4	1293.1	1298.2	1298.2	1282.8	1279.4	1277.7
47.5°	726.0	994.2	1214.5	1214.5	1209.4	1226.4	1235.0	1223.0	1207.7	1202.5	1202.5
50°	724.3	925.9	1125.7	1118.8	1142.7	1163.2	1154.7	1142.7	1130.8	1112.0	1112.0
52.5°	657.7	842.2	1011.3	1036.8	1074.4	1086.4	1072.7	1060.7	1040.2	1031.7	1024.9
55°	609.8	755.0	907.1	958.3	997.6	1013.0	987.4	975.4	944.7	939.5	936.1
57.5°	599.6	628.6	811.4	876.3	924.2	922.5	907.1	884.9	859.3	854.1	852.4
60°	550.1	454.4	708.9	785.8	835.3	830.2	816.5	796.0	772.1	768.7	765.3
62.5°	498.8	329.7	592.8	679.9	749.9	748.2	736.3	705.5	688.4	679.9	673.1
65°	423.6	276.7	421.9	565.4	666.2	669.6	644.0	621.8	603.0	592.8	591.1
67.5°	322.9	225.5	285.3	471.5	585.9	582.5	550.1	539.8	515.9	510.8	500.5
70°	239.2	150.3	198.2	382.6	507.4	498.8	473.2	461.2	439.0	427.1	420.2
72.5°	198.2	121.3	145.2	297.2	427.1	416.8	394.6	380.9	362.2	351.9	345.1
75°	160.6	128.1	111.0	220.4	346.8	339.9	319.4	305.8	290.4	276.7	278.4
77.5°	117.9	119.6	88.8	162.3	275.0	264.8	252.8	235.7	228.9	215.2	215.2
80°	88.8	94.0	66.6	111.0	198.2	198.2	187.9	176.0	164.0	157.2	157.2
82.5°	59.8	59.8	49.5	70.0	135.0	129.8	123.0	119.6	112.7	109.3	109.3
85°	27.3	34.2	30.7	42.7	73.5	76.9	76.9	73.5	71.7	68.3	70.0
87.5°	8.5	15.4	18.8	23.9	37.6	39.3	41.0	41.0	41.0	42.7	42.7
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	289.1	400.4	456.0	399.6	287.0	202.4	194.4
95°	102.3	234.9	367.4	400.6	711.3	1125.7	1332.9	1189.4	902.5	687.2	662.8
97.5°	176.9	293.8	410.8	440.0	958.2	1649.2	1994.6	1903.9	1722.5	1586.5	1540.1
100°	234.4	340.5	446.5	473.1	1048.1	1814.7	2198.0	2204.7	2217.9	2227.8	2172.6
102.5°	283.4	382.4	481.3	506.1	1089.3	1866.8	2255.6	2371.1	2602.2	2775.5	2728.2
105°	366.5	450.3	534.2	555.1	1119.8	1872.7	2249.2	2508.2	3026.3	3414.8	3389.4
107.5°	451.7	529.9	608.0	627.5	1125.5	1789.4	2121.3	2482.6	3205.3	3747.2	3753.4
110°	509.3	579.9	650.4	668.0	1116.9	1715.5	2014.8	2418.7	3226.6	3832.5	3859.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	565.8	633.0	700.2	717.0	1117.3	1650.9	1917.8	2331.2	3158.0	3778.1	3818.8
115°	651.0	713.0	775.0	790.6	1127.6	1577.0	1801.7	2199.9	2996.4	3593.7	3650.2
117.5°	735.1	791.5	847.9	862.0	1148.5	1530.7	1721.8	2081.2	2800.0	3339.1	3401.7
120°	784.2	837.2	890.3	903.5	1165.6	1515.1	1689.8	2018.2	2675.0	3167.6	3228.4
122.5°	832.1	885.6	939.1	952.5	1190.1	1506.9	1665.3	1961.0	2552.5	2996.0	3056.1
125°	905.6	954.4	1003.2	1015.4	1223.1	1500.1	1638.6	1889.8	2392.2	2769.1	2824.3
127.5°	965.3	1014.5	1063.8	1076.1	1256.2	1496.3	1616.3	1831.9	2263.4	2586.9	2633.5
130°	997.3	1050.3	1103.4	1116.6	1280.3	1498.6	1607.7	1799.7	2183.8	2471.8	2515.0
132.5°	1030.3	1083.4	1136.4	1149.7	1299.9	1500.2	1600.3	1772.1	2115.9	2373.8	2412.4
135°	1079.3	1127.6	1176.0	1188.0	1321.2	1498.7	1587.5	1731.5	2019.4	2235.3	2268.6
137.5°	1129.4	1177.2	1225.0	1236.9	1353.1	1508.0	1585.4	1707.1	1950.5	2133.0	2160.3
140°	1170.9	1215.0	1259.0	1270.0	1372.7	1509.5	1577.9	1683.1	1893.3	2051.0	2076.5
142.5°	1202.9	1243.6	1284.4	1294.5	1389.0	1515.0	1577.9	1670.2	1854.9	1993.4	2015.3
145°	1251.9	1287.4	1323.0	1331.8	1410.3	1515.0	1567.2	1642.7	1793.8	1907.2	1923.8
147.5°	1300.9	1335.5	1370.1	1378.7	1441.6	1525.4	1567.2	1626.7	1745.5	1834.7	1848.4
150°	1332.9	1364.1	1395.4	1403.2	1457.8	1530.8	1567.2	1617.5	1717.8	1793.2	1804.3
152.5°	1365.9	1389.6	1413.3	1419.2	1468.6	1534.4	1567.2	1610.1	1695.8	1760.1	1768.5
155°	1414.9	1432.5	1450.0	1454.3	1492.0	1542.1	1567.2	1601.3	1669.6	1720.7	1726.3
157.5°	1451.2	1468.2	1485.2	1489.5	1515.4	1550.0	1567.2	1593.8	1646.8	1686.6	1690.6
160°	1475.7	1488.9	1502.2	1505.5	1526.1	1553.5	1567.2	1590.0	1635.5	1669.6	1671.8
162.5°	1500.2	1510.1	1520.1	1522.6	1537.4	1557.3	1567.2	1586.5	1624.8	1653.6	1655.7
165°	1526.8	1535.7	1544.8	1547.0	1553.7	1562.7	1567.2	1581.0	1608.5	1629.1	1631.3
167.5°	1551.3	1555.5	1559.8	1560.9	1566.6	1574.2	1577.9	1586.9	1604.9	1618.4	1619.3
170°	1567.2	1571.5	1575.8	1576.9	1577.2	1577.7	1577.9	1586.9	1604.9	1618.4	1618.4
172.5°	1575.8	1576.7	1577.7	1577.9	1577.9	1577.9	1577.9	1585.0	1599.2	1609.9	1609.0
175°	1587.5	1587.5	1587.5	1587.5	1584.3	1580.1	1577.9	1582.4	1591.4	1598.2	1598.2
177.5°	1587.5	1587.5	1587.5	1587.5	1585.0	1581.7	1580.1	1583.6	1590.7	1596.0	1595.1
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5
2.5°	1851.7	1846.5	1851.7	1848.2	1850.0	1844.8	1829.5	1824.3	1829.5	1834.6	1834.6
5°	1873.9	1870.5	1873.9	1873.9	1872.2	1868.7	1851.7	1848.2	1851.7	1853.4	1850.0
7.5°	1880.7	1875.6	1880.7	1877.3	1877.3	1873.9	1856.8	1853.4	1855.1	1860.2	1855.1
10°	1880.7	1875.6	1880.7	1879.0	1877.3	1873.9	1856.8	1850.0	1850.0	1855.1	1850.0
12.5°	1872.2	1868.7	1872.2	1868.7	1868.7	1865.3	1848.2	1841.4	1843.1	1844.8	1838.0
15°	1858.5	1853.4	1858.5	1855.1	1856.8	1851.7	1832.9	1826.0	1826.0	1829.5	1817.5
17.5°	1838.0	1831.2	1838.0	1836.3	1834.6	1831.2	1814.1	1807.2	1805.5	1807.2	1798.7
20°	1814.1	1809.0	1814.1	1812.4	1812.4	1805.5	1788.5	1779.9	1779.9	1779.9	1771.4
22.5°	1776.5	1771.4	1776.5	1779.9	1779.9	1778.2	1762.8	1750.9	1747.5	1747.5	1737.2
25°	1733.8	1728.7	1733.8	1733.8	1732.1	1733.8	1728.7	1721.8	1716.7	1711.6	1701.3
27.5°	1692.8	1689.4	1692.8	1689.4	1692.8	1687.7	1686.0	1684.3	1677.4	1672.3	1658.6
30°	1651.8	1648.4	1651.8	1648.4	1645.0	1641.5	1633.0	1629.6	1636.4	1633.0	1610.8
32.5°	1600.6	1597.1	1600.6	1600.6	1597.1	1597.1	1583.5	1578.3	1580.1	1590.3	1569.8
35°	1547.6	1542.5	1547.6	1545.9	1547.6	1542.5	1533.9	1532.2	1525.4	1537.3	1522.0
37.5°	1486.1	1481.0	1486.1	1486.1	1486.1	1489.5	1482.7	1477.6	1467.3	1482.7	1470.7
40°	1422.9	1416.1	1422.9	1421.2	1422.9	1426.3	1422.9	1419.5	1409.2	1421.2	1410.9
42.5°	1351.1	1349.4	1351.1	1352.9	1352.9	1359.7	1364.8	1358.0	1354.6	1346.0	1352.9
45°	1274.3	1270.9	1274.3	1277.7	1279.4	1282.8	1298.2	1298.2	1293.1	1279.4	1289.6
47.5°	1192.3	1183.7	1192.3	1202.5	1202.5	1207.7	1223.0	1235.0	1226.4	1209.4	1214.5
50°	1105.2	1106.9	1105.2	1112.0	1112.0	1130.8	1142.7	1154.7	1163.2	1142.7	1118.8
52.5°	1019.7	1018.1	1019.7	1024.9	1031.7	1040.2	1060.7	1072.7	1086.4	1074.4	1036.8
55°	934.4	937.8	934.4	936.1	939.5	944.7	975.4	987.4	1013.0	997.6	958.3
57.5°	849.0	843.9	849.0	852.4	854.1	859.3	884.9	907.1	922.5	924.2	876.3
60°	749.9	743.1	749.9	765.3	768.7	772.1	796.0	816.5	830.2	835.3	785.8
62.5°	662.8	650.8	662.8	673.1	679.9	688.4	705.5	736.3	748.2	749.9	679.9
65°	570.6	565.4	570.6	591.1	592.8	603.0	621.8	644.0	669.6	666.2	565.4
67.5°	486.9	486.9	486.9	500.5	510.8	515.9	539.8	550.1	582.5	585.9	471.5
70°	410.0	408.3	410.0	420.2	427.1	439.0	461.2	473.2	498.8	507.4	382.6
72.5°	336.5	334.8	336.5	345.1	351.9	362.2	380.9	394.6	416.8	427.1	297.2
75°	271.6	268.2	271.6	278.4	276.7	290.4	305.8	319.4	339.9	346.8	220.4
77.5°	208.4	208.4	208.4	215.2	215.2	228.9	235.7	252.8	264.8	275.0	162.3
80°	155.5	153.7	155.5	157.2	157.2	164.0	176.0	187.9	198.2	198.2	111.0
82.5°	109.3	105.9	109.3	109.3	109.3	112.7	119.6	123.0	129.8	135.0	70.0
85°	68.3	68.3	68.3	70.0	68.3	71.7	73.5	76.9	76.9	73.5	42.7
87.5°	44.4	42.7	44.4	42.7	42.7	41.0	41.0	41.0	39.3	37.6	23.9
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	194.4	202.4	287.0	399.6	456.0	400.4	289.1	205.7
95°	565.3	467.7	565.3	662.8	687.2	902.5	1189.4	1332.9	1125.7	711.3	400.6
97.5°	1354.4	1168.8	1354.4	1540.1	1586.5	1722.5	1903.9	1994.6	1649.2	958.2	440.0
100°	1951.4	1730.3	1951.4	2172.6	2227.8	2217.9	2204.7	2198.0	1814.7	1048.1	473.1
102.5°	2538.7	2349.4	2538.7	2728.2	2775.5	2602.2	2371.1	2255.6	1866.8	1089.3	506.1
105°	3287.5	3185.7	3287.5	3389.4	3414.8	3026.3	2508.2	2249.2	1872.7	1119.8	555.1
107.5°	3778.0	3802.6	3778.0	3753.4	3747.2	3205.3	2482.6	2121.3	1789.4	1125.5	627.5
110°	3965.0	4071.1	3965.0	3859.0	3832.5	3226.6	2418.7	2014.8	1715.5	1116.9	668.0



TEST NUMBER: P935943

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3981.7	4144.6	3981.7	3818.8	3778.1	3158.0	2331.2	1917.8	1650.9	1117.3	717.0
115°	3876.1	4101.9	3876.1	3650.2	3593.7	2996.4	2199.9	1801.7	1577.0	1127.6	790.6
117.5°	3652.3	3902.8	3652.3	3401.7	3339.1	2800.0	2081.2	1721.8	1530.7	1148.5	862.0
120°	3471.9	3715.2	3471.9	3228.4	3167.6	2675.0	2018.2	1689.8	1515.1	1165.6	903.5
122.5°	3296.2	3536.3	3296.2	3056.1	2996.0	2552.5	1961.0	1665.3	1506.9	1190.1	952.5
125°	3045.6	3266.7	3045.6	2824.3	2769.1	2392.2	1889.8	1638.6	1500.1	1223.1	1015.4
127.5°	2820.2	3006.7	2820.2	2633.5	2586.9	2263.4	1831.9	1616.3	1496.3	1256.2	1076.1
130°	2687.3	2859.7	2687.3	2515.0	2471.8	2183.8	1799.7	1607.7	1498.6	1280.3	1116.6
132.5°	2566.7	2721.2	2566.7	2412.4	2373.8	2115.9	1772.1	1600.3	1500.2	1299.9	1149.7
135°	2401.6	2534.7	2401.6	2268.6	2235.3	2019.4	1731.5	1587.5	1498.7	1321.2	1188.0
137.5°	2269.2	2378.1	2269.2	2160.3	2133.0	1950.5	1707.1	1585.4	1508.0	1353.1	1236.9
140°	2178.3	2280.1	2178.3	2076.5	2051.0	1893.3	1683.1	1577.9	1509.5	1372.7	1270.0
142.5°	2102.9	2190.6	2102.9	2015.3	1993.4	1854.9	1670.2	1577.9	1515.0	1389.0	1294.5
145°	1990.0	2056.3	1990.0	1923.8	1907.2	1793.8	1642.7	1567.2	1515.0	1410.3	1331.8
147.5°	1903.3	1958.3	1903.3	1848.4	1834.7	1745.5	1626.7	1567.2	1525.4	1441.6	1378.7
150°	1848.8	1893.3	1848.8	1804.3	1793.2	1717.8	1617.5	1567.2	1530.8	1457.8	1403.2
152.5°	1802.1	1835.8	1802.1	1768.5	1760.1	1695.8	1610.1	1567.2	1534.4	1468.6	1419.2
155°	1748.6	1770.8	1748.6	1726.3	1720.7	1669.6	1601.3	1567.2	1542.1	1492.0	1454.3
157.5°	1706.1	1721.8	1706.1	1690.6	1686.6	1646.8	1593.8	1567.2	1550.0	1515.4	1489.5
160°	1680.8	1689.8	1680.8	1671.8	1669.6	1635.5	1590.0	1567.2	1553.5	1526.1	1505.5
162.5°	1664.2	1672.7	1664.2	1655.7	1653.6	1624.8	1586.5	1567.2	1557.3	1537.4	1522.6
165°	1640.4	1649.3	1640.4	1631.3	1629.1	1608.5	1581.0	1567.2	1562.7	1553.7	1547.0
167.5°	1623.2	1626.9	1623.2	1619.3	1618.4	1604.9	1586.9	1577.9	1574.2	1566.6	1560.9
170°	1618.4	1618.4	1618.4	1618.4	1618.4	1604.9	1586.9	1577.9	1577.7	1577.2	1576.9
172.5°	1605.8	1602.4	1605.8	1609.0	1609.9	1599.2	1585.0	1577.9	1577.9	1577.9	1577.9
175°	1598.2	1598.2	1598.2	1598.2	1598.2	1591.4	1582.4	1577.9	1580.1	1584.3	1587.5
177.5°	1591.2	1587.5	1591.2	1595.1	1596.0	1590.7	1583.6	1580.1	1581.7	1585.0	1587.5
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



TEST NUMBER: P935943

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5
2.5°	1831.2	1820.9	1820.9	1803.8	1797.0	1791.9	1783.3	1757.7	1750.9	1744.0	1754.3
5°	1846.5	1827.7	1814.1	1783.3	1757.7	1747.5	1715.0	1653.5	1612.5	1581.8	1564.7
7.5°	1850.0	1826.0	1800.4	1752.6	1691.1	1663.8	1564.7	1451.9	1421.2	1393.9	1376.8
10°	1846.5	1819.2	1783.3	1711.6	1566.4	1518.6	1419.5	1346.0	1327.2	1322.1	1327.2
12.5°	1834.6	1809.0	1759.4	1639.8	1436.6	1404.1	1346.0	1303.3	1299.9	1308.4	1354.6
15°	1814.1	1790.2	1732.1	1544.2	1364.8	1340.9	1299.9	1284.5	1303.3	1363.1	1501.5
17.5°	1793.6	1766.3	1694.5	1450.2	1310.1	1293.1	1264.0	1294.8	1400.7	1481.0	1527.1
20°	1766.3	1733.8	1651.8	1381.9	1270.9	1255.5	1241.8	1380.2	1460.5	1489.5	1515.1
22.5°	1733.8	1699.6	1593.7	1334.1	1229.9	1217.9	1226.4	1428.0	1460.5	1481.0	1503.2
25°	1691.1	1662.0	1525.4	1296.5	1197.4	1183.7	1216.2	1422.9	1441.7	1446.8	1491.2
27.5°	1651.8	1614.2	1453.6	1262.3	1158.1	1153.0	1224.7	1400.7	1414.4	1419.5	1467.3
30°	1604.0	1547.6	1373.4	1226.4	1117.1	1115.4	1226.4	1373.4	1369.9	1383.6	1431.4
32.5°	1554.4	1448.5	1282.8	1182.0	1077.8	1076.1	1214.5	1332.4	1328.9	1347.7	1383.6
35°	1508.3	1371.6	1159.8	1130.8	1028.3	1030.0	1185.4	1284.5	1286.2	1303.3	1325.5
37.5°	1460.5	1305.0	1024.9	1074.4	980.5	980.5	1146.2	1240.1	1236.7	1241.8	1272.6
40°	1404.1	1200.8	905.4	1001.0	936.1	931.0	1098.3	1192.3	1180.3	1178.6	1221.3
42.5°	1344.3	1086.4	816.5	903.7	884.9	878.0	1040.2	1134.2	1112.0	1117.1	1171.8
45°	1279.4	1055.6	748.2	763.6	831.9	826.8	977.1	1067.6	1052.2	1065.9	1122.2
47.5°	1214.5	994.2	726.0	633.8	775.5	773.8	907.1	1002.7	994.2	1007.9	1067.6
50°	1125.7	925.9	724.3	543.2	712.3	719.2	823.4	939.5	939.5	951.5	1014.7
52.5°	1011.3	842.2	657.7	492.0	638.9	659.4	749.9	884.9	888.3	900.3	956.6
55°	907.1	755.0	609.8	452.7	551.8	596.2	678.2	828.5	835.3	847.3	898.5
57.5°	811.4	628.6	599.6	406.6	471.5	514.2	615.0	773.8	777.3	787.5	837.0
60°	708.9	454.4	550.1	357.0	401.4	433.9	556.9	708.9	720.9	727.7	770.4
62.5°	592.8	329.7	498.8	322.9	367.3	374.1	509.1	647.4	662.8	667.9	693.6
65°	421.9	276.7	423.6	293.8	331.4	333.1	457.8	584.2	597.9	606.4	625.2
67.5°	285.3	225.5	322.9	266.5	304.1	305.8	408.3	510.8	529.6	536.4	548.4
70°	198.2	150.3	239.2	237.4	273.3	276.7	355.3	444.1	461.2	466.4	473.2
72.5°	145.2	121.3	198.2	213.5	240.9	244.3	300.7	369.0	386.1	391.2	394.6
75°	111.0	128.1	160.6	186.2	205.0	206.7	246.0	300.7	312.6	316.0	317.7
77.5°	88.8	119.6	117.9	150.3	167.4	164.0	193.0	232.3	242.6	242.6	242.6
80°	66.6	94.0	88.8	107.6	123.0	119.6	138.4	165.7	169.1	172.5	170.8
82.5°	49.5	59.8	59.8	68.3	82.0	78.6	92.2	107.6	107.6	107.6	111.0
85°	30.7	34.2	27.3	35.9	46.1	44.4	51.2	58.1	59.8	59.8	56.4
87.5°	18.8	15.4	8.5	13.7	20.5	20.5	23.9	25.6	23.9	23.9	23.9
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	289.1	400.4	456.0	399.6	287.0
95°	367.4	234.9	102.3	234.9	367.4	400.6	711.3	1125.7	1332.9	1189.4	902.5
97.5°	410.8	293.8	176.9	293.8	410.8	440.0	958.2	1649.2	1994.6	1903.9	1722.5
100°	446.5	340.5	234.4	340.5	446.5	473.1	1048.1	1814.7	2198.0	2204.7	2217.9
102.5°	481.3	382.4	283.4	382.4	481.3	506.1	1089.3	1866.8	2255.6	2371.1	2602.2
105°	534.2	450.3	366.5	450.3	534.2	555.1	1119.8	1872.7	2249.2	2508.2	3026.3
107.5°	608.0	529.9	451.7	529.9	608.0	627.5	1125.5	1789.4	2121.3	2482.6	3205.3
110°	650.4	579.9	509.3	579.9	650.4	668.0	1116.9	1715.5	2014.8	2418.7	3226.6



TEST NUMBER: P935943

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	700.2	633.0	565.8	633.0	700.2	717.0	1117.3	1650.9	1917.8	2331.2	3158.0
115°	775.0	713.0	651.0	713.0	775.0	790.6	1127.6	1577.0	1801.7	2199.9	2996.4
117.5°	847.9	791.5	735.1	791.5	847.9	862.0	1148.5	1530.7	1721.8	2081.2	2800.0
120°	890.3	837.2	784.2	837.2	890.3	903.5	1165.6	1515.1	1689.8	2018.2	2675.0
122.5°	939.1	885.6	832.1	885.6	939.1	952.5	1190.1	1506.9	1665.3	1961.0	2552.5
125°	1003.2	954.4	905.6	954.4	1003.2	1015.4	1223.1	1500.1	1638.6	1889.8	2392.2
127.5°	1063.8	1014.5	965.3	1014.5	1063.8	1076.1	1256.2	1496.3	1616.3	1831.9	2263.4
130°	1103.4	1050.3	997.3	1050.3	1103.4	1116.6	1280.3	1498.6	1607.7	1799.7	2183.8
132.5°	1136.4	1083.4	1030.3	1083.4	1136.4	1149.7	1299.9	1500.2	1600.3	1772.1	2115.9
135°	1176.0	1127.6	1079.3	1127.6	1176.0	1188.0	1321.2	1498.7	1587.5	1731.5	2019.4
137.5°	1225.0	1177.2	1129.4	1177.2	1225.0	1236.9	1353.1	1508.0	1585.4	1707.1	1950.5
140°	1259.0	1215.0	1170.9	1215.0	1259.0	1270.0	1372.7	1509.5	1577.9	1683.1	1893.3
142.5°	1284.4	1243.6	1202.9	1243.6	1284.4	1294.5	1389.0	1515.0	1577.9	1670.2	1854.9
145°	1323.0	1287.4	1251.9	1287.4	1323.0	1331.8	1410.3	1515.0	1567.2	1642.7	1793.8
147.5°	1370.1	1335.5	1300.9	1335.5	1370.1	1378.7	1441.6	1525.4	1567.2	1626.7	1745.5
150°	1395.4	1364.1	1332.9	1364.1	1395.4	1403.2	1457.8	1530.8	1567.2	1617.5	1717.8
152.5°	1413.3	1389.6	1365.9	1389.6	1413.3	1419.2	1468.6	1534.4	1567.2	1610.1	1695.8
155°	1450.0	1432.5	1414.9	1432.5	1450.0	1454.3	1492.0	1542.1	1567.2	1601.3	1669.6
157.5°	1485.2	1468.2	1451.2	1468.2	1485.2	1489.5	1515.4	1550.0	1567.2	1593.8	1646.8
160°	1502.2	1488.9	1475.7	1488.9	1502.2	1505.5	1526.1	1553.5	1567.2	1590.0	1635.5
162.5°	1520.1	1510.1	1500.2	1510.1	1520.1	1522.6	1537.4	1557.3	1567.2	1586.5	1624.8
165°	1544.8	1535.7	1526.8	1535.7	1544.8	1547.0	1553.7	1562.7	1567.2	1581.0	1608.5
167.5°	1559.8	1555.5	1551.3	1555.5	1559.8	1560.9	1566.6	1574.2	1577.9	1586.9	1604.9
170°	1575.8	1571.5	1567.2	1571.5	1575.8	1576.9	1577.2	1577.7	1577.9	1586.9	1604.9
172.5°	1577.7	1576.7	1575.8	1576.7	1577.7	1577.9	1577.9	1577.9	1577.9	1585.0	1599.2
175°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1584.3	1580.1	1577.9	1582.4	1591.4
177.5°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1585.0	1581.7	1580.1	1583.6	1590.7
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



TEST NUMBER: P935943

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5	1805.5
2.5°	1742.3	1737.2	1744.0	1725.3	1744.0	1737.2	1742.3	1754.3	1744.0	1750.9	1757.7
5°	1528.8	1520.3	1492.9	1470.7	1492.9	1520.3	1528.8	1564.7	1581.8	1612.5	1653.5
7.5°	1366.5	1359.7	1352.9	1339.2	1352.9	1359.7	1366.5	1376.8	1393.9	1421.2	1451.9
10°	1330.6	1332.4	1342.6	1340.9	1342.6	1332.4	1330.6	1327.2	1322.1	1327.2	1346.0
12.5°	1422.9	1438.3	1494.6	1491.2	1494.6	1438.3	1422.9	1354.6	1308.4	1299.9	1303.3
15°	1528.8	1533.9	1545.9	1547.6	1545.9	1533.9	1528.8	1501.5	1363.1	1303.3	1284.5
17.5°	1539.1	1540.8	1549.3	1549.3	1549.3	1540.8	1539.1	1527.1	1481.0	1400.7	1294.8
20°	1530.5	1533.9	1551.0	1554.4	1551.0	1533.9	1530.5	1515.1	1489.5	1460.5	1380.2
22.5°	1527.1	1533.9	1547.6	1545.9	1547.6	1533.9	1527.1	1503.2	1481.0	1460.5	1428.0
25°	1510.0	1510.0	1511.7	1513.4	1511.7	1510.0	1510.0	1491.2	1446.8	1441.7	1422.9
27.5°	1474.1	1477.6	1487.8	1486.1	1487.8	1477.6	1474.1	1467.3	1419.5	1414.4	1400.7
30°	1441.7	1438.3	1429.7	1422.9	1429.7	1438.3	1441.7	1431.4	1383.6	1369.9	1373.4
32.5°	1387.0	1378.5	1369.9	1364.8	1369.9	1378.5	1387.0	1383.6	1347.7	1328.9	1332.4
35°	1322.1	1323.8	1322.1	1317.0	1322.1	1323.8	1322.1	1325.5	1303.3	1286.2	1284.5
37.5°	1276.0	1279.4	1277.7	1270.9	1277.7	1279.4	1276.0	1272.6	1241.8	1236.7	1240.1
40°	1228.2	1229.9	1228.2	1223.0	1228.2	1229.9	1228.2	1221.3	1178.6	1180.3	1192.3
42.5°	1182.0	1180.3	1175.2	1171.8	1175.2	1180.3	1182.0	1171.8	1117.1	1112.0	1134.2
45°	1129.1	1130.8	1120.5	1115.4	1120.5	1130.8	1129.1	1122.2	1065.9	1052.2	1067.6
47.5°	1076.1	1076.1	1067.6	1062.4	1067.6	1076.1	1076.1	1067.6	1007.9	994.2	1002.7
50°	1019.7	1018.1	1006.2	1004.5	1006.2	1018.1	1019.7	1014.7	951.5	939.5	939.5
52.5°	954.9	954.9	956.6	960.0	956.6	954.9	954.9	956.6	900.3	888.3	884.9
55°	898.5	900.3	912.2	915.6	912.2	900.3	898.5	898.5	847.3	835.3	828.5
57.5°	840.5	840.5	849.0	849.0	849.0	840.5	840.5	837.0	787.5	777.3	773.8
60°	773.8	777.3	784.1	782.4	784.1	777.3	773.8	770.4	727.7	720.9	708.9
62.5°	703.8	707.2	708.9	705.5	708.9	707.2	703.8	693.6	667.9	662.8	647.4
65°	630.3	633.8	635.5	632.1	635.5	633.8	630.3	625.2	606.4	597.9	584.2
67.5°	555.2	553.5	551.8	558.6	551.8	553.5	555.2	548.4	536.4	529.6	510.8
70°	478.3	478.3	476.6	480.0	476.6	478.3	478.3	473.2	466.4	461.2	444.1
72.5°	396.3	394.6	401.4	396.3	401.4	394.6	396.3	394.6	391.2	386.1	369.0
75°	316.0	319.4	316.0	321.2	316.0	319.4	316.0	317.7	316.0	312.6	300.7
77.5°	240.9	244.3	240.9	240.9	240.9	244.3	240.9	242.6	242.6	242.6	232.3
80°	170.8	169.1	169.1	167.4	169.1	169.1	170.8	170.8	172.5	169.1	165.7
82.5°	109.3	107.6	107.6	111.0	107.6	107.6	109.3	111.0	107.6	107.6	107.6
85°	59.8	61.5	58.1	58.1	58.1	61.5	59.8	56.4	59.8	59.8	58.1
87.5°	22.2	20.5	20.5	20.5	20.5	20.5	22.2	23.9	23.9	23.9	25.6
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°	202.4	194.4	162.2	130.0	162.2	194.4	202.4	287.0	399.6	456.0	400.4
95°	687.2	662.8	565.3	467.7	565.3	662.8	687.2	902.5	1189.4	1332.9	1125.7
97.5°	1586.5	1540.1	1354.4	1168.8	1354.4	1540.1	1586.5	1722.5	1903.9	1994.6	1649.2
100°	2227.8	2172.6	1951.4	1730.3	1951.4	2172.6	2227.8	2217.9	2204.7	2198.0	1814.7
102.5°	2775.5	2728.2	2538.7	2349.4	2538.7	2728.2	2775.5	2602.2	2371.1	2255.6	1866.8
105°	3414.8	3389.4	3287.5	3185.7	3287.5	3389.4	3414.8	3026.3	2508.2	2249.2	1872.7
107.5°	3747.2	3753.4	3778.0	3802.6	3778.0	3753.4	3747.2	3205.3	2482.6	2121.3	1789.4
110°	3832.5	3859.0	3965.0	4071.1	3965.0	3859.0	3832.5	3226.6	2418.7	2014.8	1715.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3778.1	3818.8	3981.7	4144.6	3981.7	3818.8	3778.1	3158.0	2331.2	1917.8	1650.9
115°	3593.7	3650.2	3876.1	4101.9	3876.1	3650.2	3593.7	2996.4	2199.9	1801.7	1577.0
117.5°	3339.1	3401.7	3652.3	3902.8	3652.3	3401.7	3339.1	2800.0	2081.2	1721.8	1530.7
120°	3167.6	3228.4	3471.9	3715.2	3471.9	3228.4	3167.6	2675.0	2018.2	1689.8	1515.1
122.5°	2996.0	3056.1	3296.2	3536.3	3296.2	3056.1	2996.0	2552.5	1961.0	1665.3	1506.9
125°	2769.1	2824.3	3045.6	3266.7	3045.6	2824.3	2769.1	2392.2	1889.8	1638.6	1500.1
127.5°	2586.9	2633.5	2820.2	3006.7	2820.2	2633.5	2586.9	2263.4	1831.9	1616.3	1496.3
130°	2471.8	2515.0	2687.3	2859.7	2687.3	2515.0	2471.8	2183.8	1799.7	1607.7	1498.6
132.5°	2373.8	2412.4	2566.7	2721.2	2566.7	2412.4	2373.8	2115.9	1772.1	1600.3	1500.2
135°	2235.3	2268.6	2401.6	2534.7	2401.6	2268.6	2235.3	2019.4	1731.5	1587.5	1498.7
137.5°	2133.0	2160.3	2269.2	2378.1	2269.2	2160.3	2133.0	1950.5	1707.1	1585.4	1508.0
140°	2051.0	2076.5	2178.3	2280.1	2178.3	2076.5	2051.0	1893.3	1683.1	1577.9	1509.5
142.5°	1993.4	2015.3	2102.9	2190.6	2102.9	2015.3	1993.4	1854.9	1670.2	1577.9	1515.0
145°	1907.2	1923.8	1990.0	2056.3	1990.0	1923.8	1907.2	1793.8	1642.7	1567.2	1515.0
147.5°	1834.7	1848.4	1903.3	1958.3	1903.3	1848.4	1834.7	1745.5	1626.7	1567.2	1525.4
150°	1793.2	1804.3	1848.8	1893.3	1848.8	1804.3	1793.2	1717.8	1617.5	1567.2	1530.8
152.5°	1760.1	1768.5	1802.1	1835.8	1802.1	1768.5	1760.1	1695.8	1610.1	1567.2	1534.4
155°	1720.7	1726.3	1748.6	1770.8	1748.6	1726.3	1720.7	1669.6	1601.3	1567.2	1542.1
157.5°	1686.6	1690.6	1706.1	1721.8	1706.1	1690.6	1686.6	1646.8	1593.8	1567.2	1550.0
160°	1669.6	1671.8	1680.8	1689.8	1680.8	1671.8	1669.6	1635.5	1590.0	1567.2	1553.5
162.5°	1653.6	1655.7	1664.2	1672.7	1664.2	1655.7	1653.6	1624.8	1586.5	1567.2	1557.3
165°	1629.1	1631.3	1640.4	1649.3	1640.4	1631.3	1629.1	1608.5	1581.0	1567.2	1562.7
167.5°	1618.4	1619.3	1623.2	1626.9	1623.2	1619.3	1618.4	1604.9	1586.9	1577.9	1574.2
170°	1618.4	1618.4	1618.4	1618.4	1618.4	1618.4	1618.4	1604.9	1586.9	1577.9	1577.7
172.5°	1609.9	1609.0	1605.8	1602.4	1605.8	1609.0	1609.9	1599.2	1585.0	1577.9	1577.9
175°	1598.2	1598.2	1598.2	1598.2	1598.2	1598.2	1598.2	1591.4	1582.4	1577.9	1580.1
177.5°	1596.0	1595.1	1591.2	1587.5	1591.2	1595.1	1596.0	1590.7	1583.6	1580.1	1581.7
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1805.5	1805.5	1805.5	1805.5	1805.5
2.5°	1783.3	1791.9	1797.0	1803.8	1820.9
5°	1715.0	1747.5	1757.7	1783.3	1814.1
7.5°	1564.7	1663.8	1691.1	1752.6	1800.4
10°	1419.5	1518.6	1566.4	1711.6	1783.3
12.5°	1346.0	1404.1	1436.6	1639.8	1759.4
15°	1299.9	1340.9	1364.8	1544.2	1732.1
17.5°	1264.0	1293.1	1310.1	1450.2	1694.5
20°	1241.8	1255.5	1270.9	1381.9	1651.8
22.5°	1226.4	1217.9	1229.9	1334.1	1593.7
25°	1216.2	1183.7	1197.4	1296.5	1525.4
27.5°	1224.7	1153.0	1158.1	1262.3	1453.6
30°	1226.4	1115.4	1117.1	1226.4	1373.4
32.5°	1214.5	1076.1	1077.8	1182.0	1282.8
35°	1185.4	1030.0	1028.3	1130.8	1159.8
37.5°	1146.2	980.5	980.5	1074.4	1024.9
40°	1098.3	931.0	936.1	1001.0	905.4
42.5°	1040.2	878.0	884.9	903.7	816.5
45°	977.1	826.8	831.9	763.6	748.2
47.5°	907.1	773.8	775.5	633.8	726.0
50°	823.4	719.2	712.3	543.2	724.3
52.5°	749.9	659.4	638.9	492.0	657.7
55°	678.2	596.2	551.8	452.7	609.8
57.5°	615.0	514.2	471.5	406.6	599.6
60°	556.9	433.9	401.4	357.0	550.1
62.5°	509.1	374.1	367.3	322.9	498.8
65°	457.8	333.1	331.4	293.8	423.6
67.5°	408.3	305.8	304.1	266.5	322.9
70°	355.3	276.7	273.3	237.4	239.2
72.5°	300.7	244.3	240.9	213.5	198.2
75°	246.0	206.7	205.0	186.2	160.6
77.5°	193.0	164.0	167.4	150.3	117.9
80°	138.4	119.6	123.0	107.6	88.8
82.5°	92.2	78.6	82.0	68.3	59.8
85°	51.2	44.4	46.1	35.9	27.3
87.5°	23.9	20.5	20.5	13.7	8.5
90°	46.9	29.8	27.7	19.2	10.7
92.5°	289.1	205.7	187.6	115.1	42.6
95°	711.3	400.6	367.4	234.9	102.3
97.5°	958.2	440.0	410.8	293.8	176.9
100°	1048.1	473.1	446.5	340.5	234.4
102.5°	1089.3	506.1	481.3	382.4	283.4
105°	1119.8	555.1	534.2	450.3	366.5
107.5°	1125.5	627.5	608.0	529.9	451.7
110°	1116.9	668.0	650.4	579.9	509.3



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CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1117.3	717.0	700.2	633.0	565.8
115°	1127.6	790.6	775.0	713.0	651.0
117.5°	1148.5	862.0	847.9	791.5	735.1
120°	1165.6	903.5	890.3	837.2	784.2
122.5°	1190.1	952.5	939.1	885.6	832.1
125°	1223.1	1015.4	1003.2	954.4	905.6
127.5°	1256.2	1076.1	1063.8	1014.5	965.3
130°	1280.3	1116.6	1103.4	1050.3	997.3
132.5°	1299.9	1149.7	1136.4	1083.4	1030.3
135°	1321.2	1188.0	1176.0	1127.6	1079.3
137.5°	1353.1	1236.9	1225.0	1177.2	1129.4
140°	1372.7	1270.0	1259.0	1215.0	1170.9
142.5°	1389.0	1294.5	1284.4	1243.6	1202.9
145°	1410.3	1331.8	1323.0	1287.4	1251.9
147.5°	1441.6	1378.7	1370.1	1335.5	1300.9
150°	1457.8	1403.2	1395.4	1364.1	1332.9
152.5°	1468.6	1419.2	1413.3	1389.6	1365.9
155°	1492.0	1454.3	1450.0	1432.5	1414.9
157.5°	1515.4	1489.5	1485.2	1468.2	1451.2
160°	1526.1	1505.5	1502.2	1488.9	1475.7
162.5°	1537.4	1522.6	1520.1	1510.1	1500.2
165°	1553.7	1547.0	1544.8	1535.7	1526.8
167.5°	1566.6	1560.9	1559.8	1555.5	1551.3
170°	1577.2	1576.9	1575.8	1571.5	1567.2
172.5°	1577.9	1577.9	1577.7	1576.7	1575.8
175°	1584.3	1587.5	1587.5	1587.5	1587.5
177.5°	1585.0	1587.5	1587.5	1587.5	1587.5
180°	1587.5	1587.5	1587.5	1587.5	1587.5



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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	10.15	10.87	11.26	11.97	13.48	12.99	13.71	14.09	14.80	16.32
	3H	10.62	11.26	11.73	12.37	13.90	14.33	14.97	15.44	16.07	17.61
	4H	10.80	11.41	11.92	12.52	14.06	14.77	15.37	15.89	16.48	18.02
	6H	10.91	11.47	12.04	12.58	14.13	15.04	15.60	16.17	16.71	18.26
	8H	10.91	11.44	12.04	12.57	14.11	15.12	15.65	16.25	16.77	18.32
	12H	10.88	11.38	12.01	12.50	14.07	15.15	15.66	16.29	16.78	18.34
4H	2H	11.17	11.78	12.30	12.88	14.42	13.38	13.99	14.51	15.10	16.63
	3H	12.18	12.69	13.32	13.82	15.37	14.87	15.38	16.01	16.52	18.07
	4H	12.45	12.92	13.59	14.04	15.61	15.40	15.86	16.54	16.99	18.56
	6H	12.57	12.97	13.71	14.11	15.68	15.76	16.16	16.90	17.30	18.86
	8H	12.57	12.94	13.71	14.08	15.66	15.86	16.23	17.01	17.37	18.95
	12H	12.53	12.87	13.69	14.02	15.60	15.91	16.25	17.07	17.40	18.98
8H	4H	12.89	13.27	14.04	14.41	15.98	15.51	15.88	16.65	17.02	18.60
	6H	13.15	13.46	14.31	14.64	16.21	15.94	16.25	17.11	17.43	19.01
	8H	13.19	13.46	14.36	14.62	16.21	16.09	16.36	17.27	17.52	19.12
	12H	13.17	13.40	14.34	14.56	16.19	16.19	16.42	17.36	17.58	19.21
12H	4H	12.89	13.23	14.05	14.38	15.96	15.47	15.81	16.63	16.96	18.54
	6H	13.21	13.48	14.38	14.64	16.23	15.94	16.21	17.11	17.37	18.96
	8H	13.27	13.51	14.44	14.66	16.29	16.09	16.33	17.27	17.49	19.12