

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: P935994

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935994
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-B2750-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

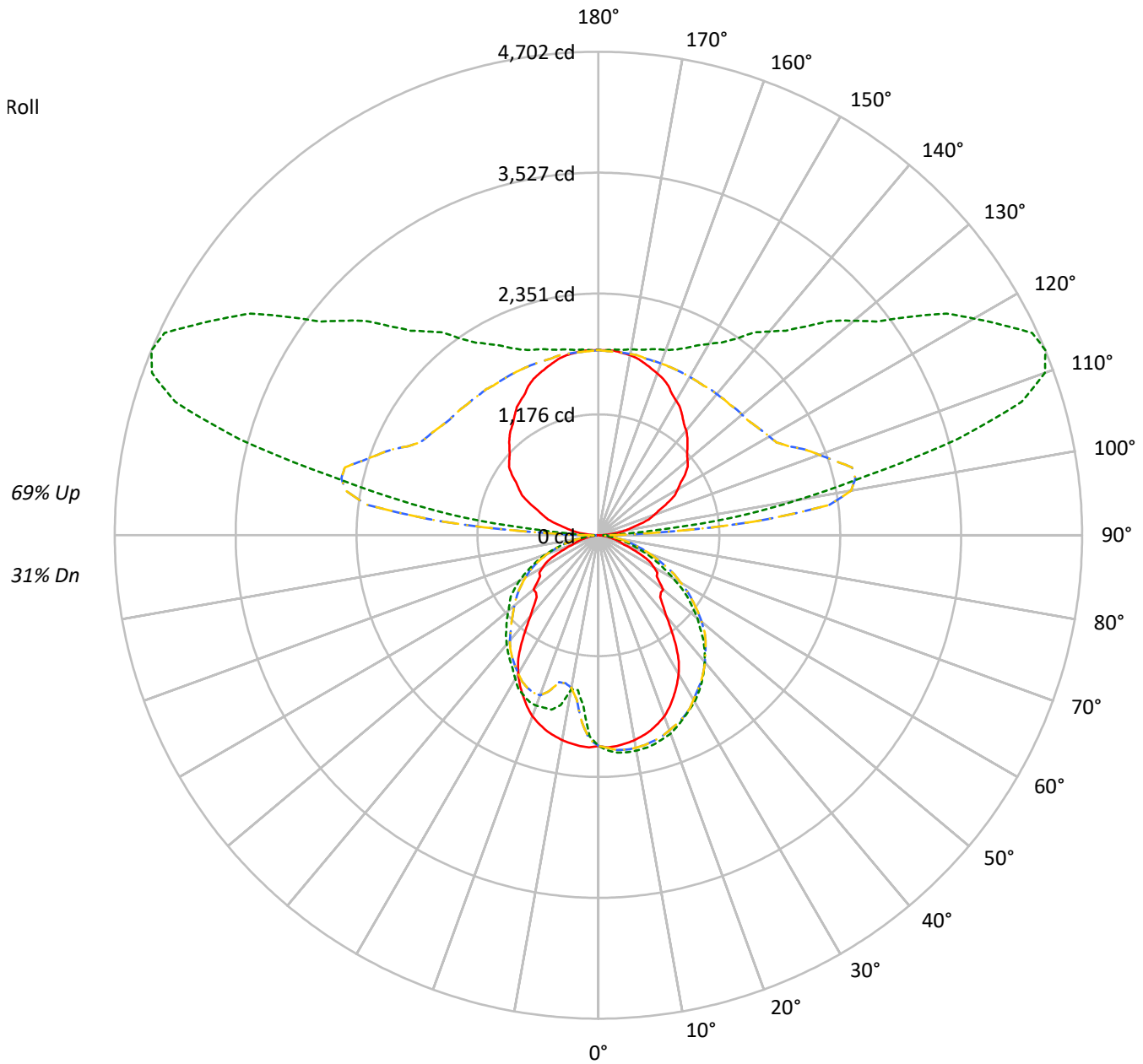
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16993.4 lumens
Efficiency: N/A
Efficacy: 133.6 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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9575	9593	9575	7543
10°	9511	9450	9511	6756
15°	9407	9245	9407	7720
20°	9210	9003	9210	7736
25°	8808	8649	8808	7572
30°	8288	8355	8288	7212
35°	7388	7984	7388	6817
40°	6156	7546	6156	6518
45°	5501	7035	5501	6174
50°	5844	6424	5844	5829
55°	5499	5767	5499	5630
60°	5668	4897	5668	5156
65°	5138	4049	5138	4526
70°	3558	3227	3558	3794
75°	3121	2385	3121	2856
80°	2515	1577	2515	1717
85°	1444	835	1444	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	1.1
10°-20°	525.0	3.1
20°-30°	811.5	4.8
30°-40°	968.8	5.7
40°-50°	974.5	5.7
50°-60°	847.9	5.0
60°-70°	601.2	3.5
70°-80°	318.1	1.9
80°-90°	86.1	0.5
90°-100°	877.9	5.2
100°-110°	2308.1	13.6
110°-120°	2393.2	14.1
120°-130°	1919.7	11.3
130°-140°	1506.3	8.9
140°-150°	1156.1	6.8
150°-160°	832.6	4.9
160°-170°	509.4	3.0
170°-180°	172.1	1.0
0°-30°	1521.4	9.0
0°-40°	2490.2	14.7
0°-60°	4312.6	25.4
0°-90°	5318.0	31.3
90°-120°	5579.2	32.8
90°-150°	10161.3	59.8
90°-180°	11675.0	68.7
0°-180°	16993.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2048	2048	2048	2048	2048	
5°	2058	2122	2058	1668	2058	195
15°	1965	2103	1965	1756	1965	553
25°	1730	1961	1730	1717	1730	795
35°	1316	1750	1316	1494	1316	814
45°	849	1442	849	1265	849	680
55°	692	1064	692	1039	692	636
65°	481	642	481	717	481	459
75°	182	304	182	364	182	192
85°	31	78	31	66	31	42
90°	12	46	12	46	12	11
95°	116	531	116	531	116	129
105°	416	3614	416	3614	416	441
115°	739	4654	739	4654	739	729
125°	1027	3706	1027	3706	1027	912
135°	1224	2876	1224	2876	1224	947
145°	1420	2333	1420	2333	1420	890
155°	1605	2009	1605	2009	1605	738
165°	1732	1871	1732	1871	1732	489
175°	1801	1813	1801	1813	1801	171
180°	1801	1801	1801	1801	1801	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2065.8	2065.8	2077.4	2081.3	2081.3	2075.5	2069.7	2075.5	2092.9	2098.8	2096.8
5°	2058.1	2073.6	2094.9	2098.8	2102.6	2100.7	2096.8	2100.7	2120.1	2124.0	2125.9
7.5°	2042.6	2071.6	2098.8	2104.6	2110.4	2104.6	2102.6	2106.5	2125.9	2129.8	2129.8
10°	2023.2	2063.9	2094.9	2098.8	2104.6	2098.8	2098.8	2106.5	2125.9	2129.8	2131.7
12.5°	1996.0	2052.2	2081.3	2085.2	2092.9	2091.0	2089.1	2096.8	2116.2	2120.1	2120.1
15°	1965.0	2030.9	2058.1	2061.9	2075.5	2071.6	2071.6	2079.4	2100.7	2106.5	2104.6
17.5°	1922.4	2003.8	2034.8	2040.6	2050.3	2048.4	2050.3	2058.1	2077.4	2081.3	2083.3
20°	1873.9	1967.0	2003.8	2009.6	2019.3	2019.3	2019.3	2029.0	2048.4	2056.1	2056.1
22.5°	1808.1	1928.2	1967.0	1970.8	1982.5	1982.5	1986.4	1999.9	2017.4	2019.3	2019.3
25°	1730.5	1885.6	1918.5	1930.2	1941.8	1947.6	1953.4	1961.2	1967.0	1965.0	1967.0
27.5°	1649.1	1831.3	1873.9	1881.7	1897.2	1903.0	1910.8	1912.7	1914.6	1920.5	1916.6
30°	1558.1	1755.7	1819.7	1827.4	1852.6	1856.5	1848.8	1852.6	1862.3	1866.2	1870.1
32.5°	1455.3	1643.3	1763.5	1780.9	1804.2	1792.6	1790.6	1796.4	1811.9	1811.9	1815.8
35°	1315.8	1556.1	1711.2	1726.7	1744.1	1730.5	1738.3	1740.2	1749.9	1755.7	1753.8
37.5°	1162.7	1480.5	1656.9	1668.5	1682.1	1664.6	1676.3	1682.1	1689.8	1686.0	1686.0
40°	1027.1	1362.3	1592.9	1600.7	1612.3	1598.8	1610.4	1614.3	1618.1	1614.3	1612.3
42.5°	926.4	1232.5	1525.1	1534.8	1527.0	1536.7	1540.6	1548.4	1542.6	1534.8	1534.8
45°	848.8	1197.6	1451.5	1463.1	1451.5	1467.0	1472.8	1472.8	1455.3	1451.5	1449.5
47.5°	823.6	1127.9	1377.8	1377.8	1372.0	1391.4	1401.1	1387.5	1370.1	1364.3	1364.3
50°	821.7	1050.4	1277.0	1269.3	1296.4	1319.7	1310.0	1296.4	1282.9	1261.5	1261.5
52.5°	746.1	955.4	1147.3	1176.3	1218.9	1232.5	1217.0	1203.4	1180.1	1170.5	1162.7
55°	691.9	856.6	1029.1	1087.2	1131.8	1149.2	1120.2	1106.6	1071.7	1065.9	1062.0
57.5°	680.2	713.2	920.6	994.2	1048.5	1046.5	1029.1	1003.9	974.8	969.0	967.1
60°	624.0	515.5	804.3	891.5	947.7	941.9	926.4	903.1	876.0	872.1	868.2
62.5°	565.9	374.0	672.5	771.3	850.8	848.8	835.3	800.4	781.0	771.3	763.6
65°	480.6	314.0	478.7	641.5	755.8	759.7	730.6	705.4	684.1	672.5	670.5
67.5°	366.3	255.8	323.6	534.9	664.7	660.9	624.0	612.4	585.3	579.5	567.8
70°	271.3	170.5	224.8	434.1	575.6	565.9	536.8	523.3	498.1	484.5	476.7
72.5°	224.8	137.6	164.7	337.2	484.5	472.9	447.7	432.2	410.9	399.2	391.5
75°	182.2	145.4	126.0	250.0	393.4	385.7	362.4	346.9	329.5	314.0	315.9
77.5°	133.7	135.7	100.8	184.1	312.0	300.4	286.8	267.4	259.7	244.2	244.2
80°	100.8	106.6	75.6	126.0	224.8	224.8	213.2	199.6	186.0	178.3	178.3
82.5°	67.8	67.8	56.2	79.5	153.1	147.3	139.5	135.7	127.9	124.0	124.0
85°	31.0	38.8	34.9	48.4	83.3	87.2	87.2	83.3	81.4	77.5	79.5
87.5°	9.7	17.4	21.3	27.1	42.6	44.6	46.5	46.5	46.5	48.4	48.4
90°	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2	45.9	45.9
92.5°	48.4	130.5	212.8	233.3	328.0	454.3	517.3	453.4	325.6	229.7	220.5
95°	116.1	266.5	416.9	454.5	807.0	1277.0	1512.1	1349.3	1023.8	779.7	751.9
97.5°	200.7	333.3	466.1	499.2	1087.1	1870.9	2262.8	2159.9	1954.2	1799.8	1747.2
100°	265.9	386.2	506.6	536.7	1189.1	2058.7	2493.6	2501.2	2516.2	2527.4	2464.7
102.5°	321.5	433.8	546.0	574.1	1235.8	2117.8	2558.9	2690.0	2952.2	3148.8	3095.1
105°	415.8	510.9	606.0	629.8	1270.4	2124.5	2551.7	2845.6	3433.3	3874.1	3845.2
107.5°	512.5	601.2	689.7	711.9	1276.9	2030.1	2406.6	2816.5	3636.4	4251.2	4258.2
110°	577.8	657.9	737.9	757.9	1267.2	1946.2	2285.8	2744.0	3660.5	4347.9	4377.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	641.9	718.1	794.4	813.5	1267.5	1873.0	2175.7	2644.7	3582.7	4286.2	4332.4
115°	738.6	808.9	879.3	896.9	1279.3	1789.1	2044.0	2495.8	3399.3	4077.1	4141.1
117.5°	834.0	898.0	961.9	977.9	1303.0	1736.5	1953.3	2361.1	3176.6	3788.2	3859.2
120°	889.6	949.8	1010.0	1025.0	1322.4	1718.8	1917.1	2289.7	3034.8	3593.6	3662.6
122.5°	944.0	1004.8	1065.4	1080.6	1350.2	1709.6	1889.3	2224.7	2895.8	3399.0	3467.1
125°	1027.4	1082.8	1138.1	1151.9	1387.6	1701.9	1859.0	2144.0	2714.0	3141.5	3204.2
127.5°	1095.2	1151.0	1206.9	1220.8	1425.1	1697.5	1833.6	2078.3	2567.8	2934.8	2987.7
130°	1131.4	1191.6	1251.8	1266.8	1452.5	1700.1	1823.9	2041.8	2477.5	2804.3	2853.2
132.5°	1168.9	1229.1	1289.3	1304.3	1474.7	1702.0	1815.5	2010.5	2400.5	2693.0	2736.8
135°	1224.4	1279.3	1334.1	1347.8	1498.8	1700.3	1801.0	1964.4	2291.0	2536.0	2573.7
137.5°	1281.3	1335.6	1389.7	1403.3	1535.1	1710.8	1798.7	1936.7	2212.8	2419.9	2450.8
140°	1328.4	1378.4	1428.3	1440.8	1557.3	1712.5	1790.1	1909.4	2148.0	2326.9	2355.7
142.5°	1364.6	1410.9	1457.1	1468.6	1575.8	1718.7	1790.1	1894.9	2104.4	2261.5	2286.4
145°	1420.3	1460.6	1500.9	1511.0	1600.0	1718.7	1778.0	1863.7	2035.1	2163.7	2182.5
147.5°	1475.9	1515.1	1554.4	1564.2	1635.5	1730.5	1778.0	1845.5	1980.2	2081.4	2097.0
150°	1512.1	1547.6	1583.1	1591.9	1653.9	1736.6	1778.0	1835.0	1948.9	2034.3	2046.9
152.5°	1549.6	1576.5	1603.4	1610.1	1666.1	1740.7	1778.0	1826.7	1923.9	1996.8	2006.3
155°	1605.2	1625.1	1645.0	1649.9	1692.6	1749.5	1778.0	1816.7	1894.1	1952.1	1958.4
157.5°	1646.3	1665.7	1685.0	1689.8	1719.2	1758.4	1778.0	1808.2	1868.3	1913.5	1917.9
160°	1674.1	1689.2	1704.2	1708.0	1731.3	1762.4	1778.0	1803.8	1855.4	1894.1	1896.6
162.5°	1702.0	1713.2	1724.5	1727.3	1744.2	1766.8	1778.0	1799.8	1843.3	1876.0	1878.4
165°	1732.1	1742.3	1752.5	1755.1	1762.7	1772.9	1778.0	1793.6	1824.8	1848.2	1850.7
167.5°	1759.9	1764.7	1769.6	1770.8	1777.2	1785.9	1790.1	1800.3	1820.8	1836.1	1837.1
170°	1778.0	1782.9	1787.7	1789.0	1789.4	1789.8	1790.1	1800.3	1820.8	1836.1	1836.1
172.5°	1787.7	1788.8	1789.8	1790.1	1790.1	1790.1	1790.1	1798.2	1814.3	1826.4	1825.4
175°	1801.0	1801.0	1801.0	1801.0	1797.4	1792.6	1790.1	1795.3	1805.4	1813.1	1813.1
177.5°	1801.0	1801.0	1801.0	1801.0	1798.2	1794.4	1792.6	1796.6	1804.7	1810.7	1809.6
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2100.7	2094.9	2100.7	2096.8	2098.8	2092.9	2075.5	2069.7	2075.5	2081.3	2081.3
5°	2125.9	2122.0	2125.9	2125.9	2124.0	2120.1	2100.7	2096.8	2100.7	2102.6	2098.8
7.5°	2133.6	2127.8	2133.6	2129.8	2129.8	2125.9	2106.5	2102.6	2104.6	2110.4	2104.6
10°	2133.6	2127.8	2133.6	2131.7	2129.8	2125.9	2106.5	2098.8	2098.8	2104.6	2098.8
12.5°	2124.0	2120.1	2124.0	2120.1	2120.1	2116.2	2096.8	2089.1	2091.0	2092.9	2085.2
15°	2108.4	2102.6	2108.4	2104.6	2106.5	2100.7	2079.4	2071.6	2071.6	2075.5	2061.9
17.5°	2085.2	2077.4	2085.2	2083.3	2081.3	2077.4	2058.1	2050.3	2048.4	2050.3	2040.6
20°	2058.1	2052.2	2058.1	2056.1	2056.1	2048.4	2029.0	2019.3	2019.3	2019.3	2009.6
22.5°	2015.4	2009.6	2015.4	2019.3	2019.3	2017.4	1999.9	1986.4	1982.5	1982.5	1970.8
25°	1967.0	1961.2	1967.0	1967.0	1965.0	1967.0	1961.2	1953.4	1947.6	1941.8	1930.2
27.5°	1920.5	1916.6	1920.5	1916.6	1920.5	1914.6	1912.7	1910.8	1903.0	1897.2	1881.7
30°	1873.9	1870.1	1873.9	1870.1	1866.2	1862.3	1852.6	1848.8	1856.5	1852.6	1827.4
32.5°	1815.8	1811.9	1815.8	1815.8	1811.9	1811.9	1796.4	1790.6	1792.6	1804.2	1780.9
35°	1755.7	1749.9	1755.7	1753.8	1755.7	1749.9	1740.2	1738.3	1730.5	1744.1	1726.7
37.5°	1686.0	1680.1	1686.0	1686.0	1686.0	1689.8	1682.1	1676.3	1664.6	1682.1	1668.5
40°	1614.3	1606.5	1614.3	1612.3	1614.3	1618.1	1614.3	1610.4	1598.8	1612.3	1600.7
42.5°	1532.9	1530.9	1532.9	1534.8	1534.8	1542.6	1548.4	1540.6	1536.7	1527.0	1534.8
45°	1445.7	1441.8	1445.7	1449.5	1451.5	1455.3	1472.8	1472.8	1467.0	1451.5	1463.1
47.5°	1352.6	1342.9	1352.6	1364.3	1364.3	1370.1	1387.5	1401.1	1391.4	1372.0	1377.8
50°	1253.8	1255.7	1253.8	1261.5	1261.5	1282.9	1296.4	1310.0	1319.7	1296.4	1269.3
52.5°	1156.9	1155.0	1156.9	1162.7	1170.5	1180.1	1203.4	1217.0	1232.5	1218.9	1176.3
55°	1060.1	1064.0	1060.1	1062.0	1065.9	1071.7	1106.6	1120.2	1149.2	1131.8	1087.2
57.5°	963.2	957.4	963.2	967.1	969.0	974.8	1003.9	1029.1	1046.5	1048.5	994.2
60°	850.8	843.0	850.8	868.2	872.1	876.0	903.1	926.4	941.9	947.7	891.5
62.5°	751.9	738.4	751.9	763.6	771.3	781.0	800.4	835.3	848.8	850.8	771.3
65°	647.3	641.5	647.3	670.5	672.5	684.1	705.4	730.6	759.7	755.8	641.5
67.5°	552.3	552.3	552.3	567.8	579.5	585.3	612.4	624.0	660.9	664.7	534.9
70°	465.1	463.2	465.1	476.7	484.5	498.1	523.3	536.8	565.9	575.6	434.1
72.5°	381.8	379.8	381.8	391.5	399.2	410.9	432.2	447.7	472.9	484.5	337.2
75°	308.1	304.3	308.1	315.9	314.0	329.5	346.9	362.4	385.7	393.4	250.0
77.5°	236.4	236.4	236.4	244.2	244.2	259.7	267.4	286.8	300.4	312.0	184.1
80°	176.4	174.4	176.4	178.3	178.3	186.0	199.6	213.2	224.8	224.8	126.0
82.5°	124.0	120.2	124.0	124.0	124.0	127.9	135.7	139.5	147.3	153.1	79.5
85°	77.5	77.5	77.5	79.5	77.5	81.4	83.3	87.2	87.2	83.3	48.4
87.5°	50.4	48.4	50.4	48.4	48.4	46.5	46.5	46.5	44.6	42.6	27.1
90°	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0	53.2	33.8
92.5°	184.0	147.5	184.0	220.5	229.7	325.6	453.4	517.3	454.3	328.0	233.3
95°	641.3	530.6	641.3	751.9	779.7	1023.8	1349.3	1512.1	1277.0	807.0	454.5
97.5°	1536.5	1326.0	1536.5	1747.2	1799.8	1954.2	2159.9	2262.8	1870.9	1087.1	499.2
100°	2213.9	1963.0	2213.9	2464.7	2527.4	2516.2	2501.2	2493.6	2058.7	1189.1	536.7
102.5°	2880.2	2665.3	2880.2	3095.1	3148.8	2952.2	2690.0	2558.9	2117.8	1235.8	574.1
105°	3729.7	3614.2	3729.7	3845.2	3874.1	3433.3	2845.6	2551.7	2124.5	1270.4	629.8
107.5°	4286.1	4314.0	4286.1	4258.2	4251.2	3636.4	2816.5	2406.6	2030.1	1276.9	711.9
110°	4498.3	4618.6	4498.3	4377.9	4347.9	3660.5	2744.0	2285.8	1946.2	1267.2	757.9



TEST NUMBER: P935994

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4517.2	4702.0	4517.2	4332.4	4286.2	3582.7	2644.7	2175.7	1873.0	1267.5	813.5
115°	4397.4	4653.6	4397.4	4141.1	4077.1	3399.3	2495.8	2044.0	1789.1	1279.3	896.9
117.5°	4143.4	4427.7	4143.4	3859.2	3788.2	3176.6	2361.1	1953.3	1736.5	1303.0	977.9
120°	3938.8	4214.9	3938.8	3662.6	3593.6	3034.8	2289.7	1917.1	1718.8	1322.4	1025.0
122.5°	3739.5	4011.9	3739.5	3467.1	3399.0	2895.8	2224.7	1889.3	1709.6	1350.2	1080.6
125°	3455.2	3706.0	3455.2	3204.2	3141.5	2714.0	2144.0	1859.0	1701.9	1387.6	1151.9
127.5°	3199.4	3411.1	3199.4	2987.7	2934.8	2567.8	2078.3	1833.6	1697.5	1425.1	1220.8
130°	3048.8	3244.3	3048.8	2853.2	2804.3	2477.5	2041.8	1823.9	1700.1	1452.5	1266.8
132.5°	2911.9	3087.1	2911.9	2736.8	2693.0	2400.5	2010.5	1815.5	1702.0	1474.7	1304.3
135°	2724.6	2875.6	2724.6	2573.7	2536.0	2291.0	1964.4	1801.0	1700.3	1498.8	1347.8
137.5°	2574.3	2697.9	2574.3	2450.8	2419.9	2212.8	1936.7	1798.7	1710.8	1535.1	1403.3
140°	2471.2	2586.7	2471.2	2355.7	2326.9	2148.0	1909.4	1790.1	1712.5	1557.3	1440.8
142.5°	2385.8	2485.2	2385.8	2286.4	2261.5	2104.4	1894.9	1790.1	1718.7	1575.8	1468.6
145°	2257.7	2332.9	2257.7	2182.5	2163.7	2035.1	1863.7	1778.0	1718.7	1600.0	1511.0
147.5°	2159.3	2221.6	2159.3	2097.0	2081.4	1980.2	1845.5	1778.0	1730.5	1635.5	1564.2
150°	2097.5	2148.0	2097.5	2046.9	2034.3	1948.9	1835.0	1778.0	1736.6	1653.9	1591.9
152.5°	2044.5	2082.7	2044.5	2006.3	1996.8	1923.9	1826.7	1778.0	1740.7	1666.1	1610.1
155°	1983.7	2008.9	1983.7	1958.4	1952.1	1894.1	1816.7	1778.0	1749.5	1692.6	1649.9
157.5°	1935.6	1953.3	1935.6	1917.9	1913.5	1868.3	1808.2	1778.0	1758.4	1719.2	1689.8
160°	1906.9	1917.1	1906.9	1896.6	1894.1	1855.4	1803.8	1778.0	1762.4	1731.3	1708.0
162.5°	1888.0	1897.7	1888.0	1878.4	1876.0	1843.3	1799.8	1778.0	1766.8	1744.2	1727.3
165°	1861.0	1871.1	1861.0	1850.7	1848.2	1824.8	1793.6	1778.0	1772.9	1762.7	1755.1
167.5°	1841.5	1845.8	1841.5	1837.1	1836.1	1820.8	1800.3	1790.1	1785.9	1777.2	1770.8
170°	1836.1	1836.1	1836.1	1836.1	1836.1	1820.8	1800.3	1790.1	1789.8	1789.4	1789.0
172.5°	1821.7	1817.9	1821.7	1825.4	1826.4	1814.3	1798.2	1790.1	1790.1	1790.1	1790.1
175°	1813.1	1813.1	1813.1	1813.1	1813.1	1805.4	1795.3	1790.1	1792.6	1797.4	1801.0
177.5°	1805.2	1801.0	1805.2	1809.6	1810.7	1804.7	1796.6	1792.6	1794.4	1798.2	1801.0
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



TEST NUMBER: P935994

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2077.4	2065.8	2065.8	2046.4	2038.7	2032.9	2023.2	1994.1	1986.4	1978.6	1990.2
5°	2094.9	2073.6	2058.1	2023.2	1994.1	1982.5	1945.7	1875.9	1829.4	1794.5	1775.1
7.5°	2098.8	2071.6	2042.6	1988.3	1918.5	1887.5	1775.1	1647.2	1612.3	1581.3	1561.9
10°	2094.9	2063.9	2023.2	1941.8	1777.0	1722.8	1610.4	1527.0	1505.7	1499.9	1505.7
12.5°	2081.3	2052.2	1996.0	1860.4	1629.8	1592.9	1527.0	1478.6	1474.7	1484.4	1536.7
15°	2058.1	2030.9	1965.0	1751.9	1548.4	1521.2	1474.7	1457.3	1478.6	1546.4	1703.4
17.5°	2034.8	2003.8	1922.4	1645.3	1486.3	1467.0	1434.0	1468.9	1589.1	1680.1	1732.5
20°	2003.8	1967.0	1873.9	1567.7	1441.8	1424.3	1408.8	1565.8	1656.9	1689.8	1718.9
22.5°	1967.0	1928.2	1808.1	1513.5	1395.3	1381.7	1391.4	1620.1	1656.9	1680.1	1705.3
25°	1918.5	1885.6	1730.5	1470.8	1358.4	1342.9	1379.8	1614.3	1635.6	1641.4	1691.8
27.5°	1873.9	1831.3	1649.1	1432.1	1313.9	1308.1	1389.4	1589.1	1604.6	1610.4	1664.6
30°	1819.7	1755.7	1558.1	1391.4	1267.4	1265.4	1391.4	1558.1	1554.2	1569.7	1623.9
32.5°	1763.5	1643.3	1455.3	1341.0	1222.8	1220.8	1377.8	1511.5	1507.7	1529.0	1569.7
35°	1711.2	1556.1	1315.8	1282.9	1166.6	1168.5	1344.9	1457.3	1459.2	1478.6	1503.8
37.5°	1656.9	1480.5	1162.7	1218.9	1112.4	1112.4	1300.3	1406.9	1403.0	1408.8	1443.7
40°	1592.9	1362.3	1027.1	1135.7	1062.0	1056.2	1246.0	1352.6	1339.1	1337.1	1385.6
42.5°	1525.1	1232.5	926.4	1025.2	1003.9	996.1	1180.1	1286.7	1261.5	1267.4	1329.4
45°	1451.5	1197.6	848.8	866.3	943.8	938.0	1108.5	1211.2	1193.7	1209.2	1273.2
47.5°	1377.8	1127.9	823.6	719.0	879.9	877.9	1029.1	1137.6	1127.9	1143.4	1211.2
50°	1277.0	1050.4	821.7	616.3	808.1	815.9	934.1	1065.9	1065.9	1079.5	1151.2
52.5°	1147.3	955.4	746.1	558.1	724.8	748.1	850.8	1003.9	1007.8	1021.3	1085.3
55°	1029.1	856.6	691.9	513.6	626.0	676.4	769.4	939.9	947.7	961.2	1019.4
57.5°	920.6	713.2	680.2	461.2	534.9	583.3	697.7	877.9	881.8	893.4	949.6
60°	804.3	515.5	624.0	405.0	455.4	492.3	631.8	804.3	817.8	825.6	874.0
62.5°	672.5	374.0	565.9	366.3	416.7	424.4	577.5	734.5	751.9	757.8	786.8
65°	478.7	314.0	480.6	333.3	376.0	377.9	519.4	662.8	678.3	688.0	709.3
67.5°	323.6	255.8	366.3	302.3	345.0	346.9	463.2	579.5	600.8	608.5	622.1
70°	224.8	170.5	271.3	269.4	310.1	314.0	403.1	503.9	523.3	529.1	536.8
72.5°	164.7	137.6	224.8	242.2	273.3	277.1	341.1	418.6	438.0	443.8	447.7
75°	126.0	145.4	182.2	211.2	232.6	234.5	279.1	341.1	354.7	358.5	360.5
77.5°	100.8	135.7	133.7	170.5	189.9	186.0	219.0	263.6	275.2	275.2	275.2
80°	75.6	106.6	100.8	122.1	139.5	135.7	157.0	188.0	191.9	195.7	193.8
82.5°	56.2	67.8	67.8	77.5	93.0	89.1	104.7	122.1	122.1	122.1	126.0
85°	34.9	38.8	31.0	40.7	52.3	50.4	58.1	65.9	67.8	67.8	64.0
87.5°	21.3	17.4	9.7	15.5	23.3	23.3	27.1	29.1	27.1	27.1	27.1
90°	31.4	21.8	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2
92.5°	212.8	130.5	48.4	130.5	212.8	233.3	328.0	454.3	517.3	453.4	325.6
95°	416.9	266.5	116.1	266.5	416.9	454.5	807.0	1277.0	1512.1	1349.3	1023.8
97.5°	466.1	333.3	200.7	333.3	466.1	499.2	1087.1	1870.9	2262.8	2159.9	1954.2
100°	506.6	386.2	265.9	386.2	506.6	536.7	1189.1	2058.7	2493.6	2501.2	2516.2
102.5°	546.0	433.8	321.5	433.8	546.0	574.1	1235.8	2117.8	2558.9	2690.0	2952.2
105°	606.0	510.9	415.8	510.9	606.0	629.8	1270.4	2124.5	2551.7	2845.6	3433.3
107.5°	689.7	601.2	512.5	601.2	689.7	711.9	1276.9	2030.1	2406.6	2816.5	3636.4
110°	737.9	657.9	577.8	657.9	737.9	757.9	1267.2	1946.2	2285.8	2744.0	3660.5



TEST NUMBER: P935994

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	794.4	718.1	641.9	718.1	794.4	813.5	1267.5	1873.0	2175.7	2644.7	3582.7
115°	879.3	808.9	738.6	808.9	879.3	896.9	1279.3	1789.1	2044.0	2495.8	3399.3
117.5°	961.9	898.0	834.0	898.0	961.9	977.9	1303.0	1736.5	1953.3	2361.1	3176.6
120°	1010.0	949.8	889.6	949.8	1010.0	1025.0	1322.4	1718.8	1917.1	2289.7	3034.8
122.5°	1065.4	1004.8	944.0	1004.8	1065.4	1080.6	1350.2	1709.6	1889.3	2224.7	2895.8
125°	1138.1	1082.8	1027.4	1082.8	1138.1	1151.9	1387.6	1701.9	1859.0	2144.0	2714.0
127.5°	1206.9	1151.0	1095.2	1151.0	1206.9	1220.8	1425.1	1697.5	1833.6	2078.3	2567.8
130°	1251.8	1191.6	1131.4	1191.6	1251.8	1266.8	1452.5	1700.1	1823.9	2041.8	2477.5
132.5°	1289.3	1229.1	1168.9	1229.1	1289.3	1304.3	1474.7	1702.0	1815.5	2010.5	2400.5
135°	1334.1	1279.3	1224.4	1279.3	1334.1	1347.8	1498.8	1700.3	1801.0	1964.4	2291.0
137.5°	1389.7	1335.6	1281.3	1335.6	1389.7	1403.3	1535.1	1710.8	1798.7	1936.7	2212.8
140°	1428.3	1378.4	1328.4	1378.4	1428.3	1440.8	1557.3	1712.5	1790.1	1909.4	2148.0
142.5°	1457.1	1410.9	1364.6	1410.9	1457.1	1468.6	1575.8	1718.7	1790.1	1894.9	2104.4
145°	1500.9	1460.6	1420.3	1460.6	1500.9	1511.0	1600.0	1718.7	1778.0	1863.7	2035.1
147.5°	1554.4	1515.1	1475.9	1515.1	1554.4	1564.2	1635.5	1730.5	1778.0	1845.5	1980.2
150°	1583.1	1547.6	1512.1	1547.6	1583.1	1591.9	1653.9	1736.6	1778.0	1835.0	1948.9
152.5°	1603.4	1576.5	1549.6	1576.5	1603.4	1610.1	1666.1	1740.7	1778.0	1826.7	1923.9
155°	1645.0	1625.1	1605.2	1625.1	1645.0	1649.9	1692.6	1749.5	1778.0	1816.7	1894.1
157.5°	1685.0	1665.7	1646.3	1665.7	1685.0	1689.8	1719.2	1758.4	1778.0	1808.2	1868.3
160°	1704.2	1689.2	1674.1	1689.2	1704.2	1708.0	1731.3	1762.4	1778.0	1803.8	1855.4
162.5°	1724.5	1713.2	1702.0	1713.2	1724.5	1727.3	1744.2	1766.8	1778.0	1799.8	1843.3
165°	1752.5	1742.3	1732.1	1742.3	1752.5	1755.1	1762.7	1772.9	1778.0	1793.6	1824.8
167.5°	1769.6	1764.7	1759.9	1764.7	1769.6	1770.8	1777.2	1785.9	1790.1	1800.3	1820.8
170°	1787.7	1782.9	1778.0	1782.9	1787.7	1789.0	1789.4	1789.8	1790.1	1800.3	1820.8
172.5°	1789.8	1788.8	1787.7	1788.8	1789.8	1790.1	1790.1	1790.1	1790.1	1798.2	1814.3
175°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1797.4	1792.6	1790.1	1795.3	1805.4
177.5°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1798.2	1794.4	1792.6	1796.6	1804.7
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



TEST NUMBER: P935994

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	1976.7	1970.8	1978.6	1957.3	1978.6	1970.8	1976.7	1990.2	1978.6	1986.4	1994.1
5°	1734.4	1724.7	1693.7	1668.5	1693.7	1724.7	1734.4	1775.1	1794.5	1829.4	1875.9
7.5°	1550.3	1542.6	1534.8	1519.3	1534.8	1542.6	1550.3	1561.9	1581.3	1612.3	1647.2
10°	1509.6	1511.5	1523.2	1521.2	1523.2	1511.5	1509.6	1505.7	1499.9	1505.7	1527.0
12.5°	1614.3	1631.7	1695.7	1691.8	1695.7	1631.7	1614.3	1536.7	1484.4	1474.7	1478.6
15°	1734.4	1740.2	1753.8	1755.7	1753.8	1740.2	1734.4	1703.4	1546.4	1478.6	1457.3
17.5°	1746.0	1748.0	1757.7	1757.7	1757.7	1748.0	1746.0	1732.5	1680.1	1589.1	1468.9
20°	1736.4	1740.2	1759.6	1763.5	1759.6	1740.2	1736.4	1718.9	1689.8	1656.9	1565.8
22.5°	1732.5	1740.2	1755.7	1753.8	1755.7	1740.2	1732.5	1705.3	1680.1	1656.9	1620.1
25°	1713.1	1713.1	1715.0	1717.0	1715.0	1713.1	1713.1	1691.8	1641.4	1635.6	1614.3
27.5°	1672.4	1676.3	1687.9	1686.0	1687.9	1676.3	1672.4	1664.6	1610.4	1604.6	1589.1
30°	1635.6	1631.7	1622.0	1614.3	1622.0	1631.7	1635.6	1623.9	1569.7	1554.2	1558.1
32.5°	1573.6	1563.9	1554.2	1548.4	1554.2	1563.9	1573.6	1569.7	1529.0	1507.7	1511.5
35°	1499.9	1501.9	1499.9	1494.1	1499.9	1501.9	1499.9	1503.8	1478.6	1459.2	1457.3
37.5°	1447.6	1451.5	1449.5	1441.8	1449.5	1451.5	1447.6	1443.7	1408.8	1403.0	1406.9
40°	1393.3	1395.3	1393.3	1387.5	1393.3	1395.3	1393.3	1385.6	1337.1	1339.1	1352.6
42.5°	1341.0	1339.1	1333.2	1329.4	1333.2	1339.1	1341.0	1329.4	1267.4	1261.5	1286.7
45°	1280.9	1282.9	1271.2	1265.4	1271.2	1282.9	1280.9	1273.2	1209.2	1193.7	1211.2
47.5°	1220.8	1220.8	1211.2	1205.3	1211.2	1220.8	1220.8	1211.2	1143.4	1127.9	1137.6
50°	1156.9	1155.0	1141.5	1139.5	1141.5	1155.0	1156.9	1151.2	1079.5	1065.9	1065.9
52.5°	1083.3	1083.3	1085.3	1089.2	1085.3	1083.3	1083.3	1085.3	1021.3	1007.8	1003.9
55°	1019.4	1021.3	1034.9	1038.8	1034.9	1021.3	1019.4	1019.4	961.2	947.7	939.9
57.5°	953.5	953.5	963.2	963.2	963.2	953.5	953.5	949.6	893.4	881.8	877.9
60°	877.9	881.8	889.5	887.6	889.5	881.8	877.9	874.0	825.6	817.8	804.3
62.5°	798.5	802.3	804.3	800.4	804.3	802.3	798.5	786.8	757.8	751.9	734.5
65°	715.1	719.0	720.9	717.1	720.9	719.0	715.1	709.3	688.0	678.3	662.8
67.5°	629.8	627.9	626.0	633.7	626.0	627.9	629.8	622.1	608.5	600.8	579.5
70°	542.6	542.6	540.7	544.6	540.7	542.6	542.6	536.8	529.1	523.3	503.9
72.5°	449.6	447.7	455.4	449.6	455.4	447.7	449.6	447.7	443.8	438.0	418.6
75°	358.5	362.4	358.5	364.3	358.5	362.4	358.5	360.5	358.5	354.7	341.1
77.5°	273.3	277.1	273.3	273.3	273.3	277.1	273.3	275.2	275.2	275.2	263.6
80°	193.8	191.9	191.9	189.9	191.9	191.9	193.8	193.8	195.7	191.9	188.0
82.5°	124.0	122.1	122.1	126.0	122.1	122.1	124.0	126.0	122.1	122.1	122.1
85°	67.8	69.8	65.9	65.9	65.9	69.8	67.8	64.0	67.8	67.8	65.9
87.5°	25.2	23.3	23.3	23.3	23.3	23.3	25.2	27.1	27.1	27.1	29.1
90°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0
92.5°	229.7	220.5	184.0	147.5	184.0	220.5	229.7	325.6	453.4	517.3	454.3
95°	779.7	751.9	641.3	530.6	641.3	751.9	779.7	1023.8	1349.3	1512.1	1277.0
97.5°	1799.8	1747.2	1536.5	1326.0	1536.5	1747.2	1799.8	1954.2	2159.9	2262.8	1870.9
100°	2527.4	2464.7	2213.9	1963.0	2213.9	2464.7	2527.4	2516.2	2501.2	2493.6	2058.7
102.5°	3148.8	3095.1	2880.2	2665.3	2880.2	3095.1	3148.8	2952.2	2690.0	2558.9	2117.8
105°	3874.1	3845.2	3729.7	3614.2	3729.7	3845.2	3874.1	3433.3	2845.6	2551.7	2124.5
107.5°	4251.2	4258.2	4286.1	4314.0	4286.1	4258.2	4251.2	3636.4	2816.5	2406.6	2030.1
110°	4347.9	4377.9	4498.3	4618.6	4498.3	4377.9	4347.9	3660.5	2744.0	2285.8	1946.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4286.2	4332.4	4517.2	4702.0	4517.2	4332.4	4286.2	3582.7	2644.7	2175.7	1873.0
115°	4077.1	4141.1	4397.4	4653.6	4397.4	4141.1	4077.1	3399.3	2495.8	2044.0	1789.1
117.5°	3788.2	3859.2	4143.4	4427.7	4143.4	3859.2	3788.2	3176.6	2361.1	1953.3	1736.5
120°	3593.6	3662.6	3938.8	4214.9	3938.8	3662.6	3593.6	3034.8	2289.7	1917.1	1718.8
122.5°	3399.0	3467.1	3739.5	4011.9	3739.5	3467.1	3399.0	2895.8	2224.7	1889.3	1709.6
125°	3141.5	3204.2	3455.2	3706.0	3455.2	3204.2	3141.5	2714.0	2144.0	1859.0	1701.9
127.5°	2934.8	2987.7	3199.4	3411.1	3199.4	2987.7	2934.8	2567.8	2078.3	1833.6	1697.5
130°	2804.3	2853.2	3048.8	3244.3	3048.8	2853.2	2804.3	2477.5	2041.8	1823.9	1700.1
132.5°	2693.0	2736.8	2911.9	3087.1	2911.9	2736.8	2693.0	2400.5	2010.5	1815.5	1702.0
135°	2536.0	2573.7	2724.6	2875.6	2724.6	2573.7	2536.0	2291.0	1964.4	1801.0	1700.3
137.5°	2419.9	2450.8	2574.3	2697.9	2574.3	2450.8	2419.9	2212.8	1936.7	1798.7	1710.8
140°	2326.9	2355.7	2471.2	2586.7	2471.2	2355.7	2326.9	2148.0	1909.4	1790.1	1712.5
142.5°	2261.5	2286.4	2385.8	2485.2	2385.8	2286.4	2261.5	2104.4	1894.9	1790.1	1718.7
145°	2163.7	2182.5	2257.7	2332.9	2257.7	2182.5	2163.7	2035.1	1863.7	1778.0	1718.7
147.5°	2081.4	2097.0	2159.3	2221.6	2159.3	2097.0	2081.4	1980.2	1845.5	1778.0	1730.5
150°	2034.3	2046.9	2097.5	2148.0	2097.5	2046.9	2034.3	1948.9	1835.0	1778.0	1736.6
152.5°	1996.8	2006.3	2044.5	2082.7	2044.5	2006.3	1996.8	1923.9	1826.7	1778.0	1740.7
155°	1952.1	1958.4	1983.7	2008.9	1983.7	1958.4	1952.1	1894.1	1816.7	1778.0	1749.5
157.5°	1913.5	1917.9	1935.6	1953.3	1935.6	1917.9	1913.5	1868.3	1808.2	1778.0	1758.4
160°	1894.1	1896.6	1906.9	1917.1	1906.9	1896.6	1894.1	1855.4	1803.8	1778.0	1762.4
162.5°	1876.0	1878.4	1888.0	1897.7	1888.0	1878.4	1876.0	1843.3	1799.8	1778.0	1766.8
165°	1848.2	1850.7	1861.0	1871.1	1861.0	1850.7	1848.2	1824.8	1793.6	1778.0	1772.9
167.5°	1836.1	1837.1	1841.5	1845.8	1841.5	1837.1	1836.1	1820.8	1800.3	1790.1	1785.9
170°	1836.1	1836.1	1836.1	1836.1	1836.1	1836.1	1836.1	1820.8	1800.3	1790.1	1789.8
172.5°	1826.4	1825.4	1821.7	1817.9	1821.7	1825.4	1826.4	1814.3	1798.2	1790.1	1790.1
175°	1813.1	1813.1	1813.1	1813.1	1813.1	1813.1	1813.1	1805.4	1795.3	1790.1	1792.6
177.5°	1810.7	1809.6	1805.2	1801.0	1805.2	1809.6	1810.7	1804.7	1796.6	1792.6	1794.4
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2023.2	2032.9	2038.7	2046.4	2065.8
5°	1945.7	1982.5	1994.1	2023.2	2058.1
7.5°	1775.1	1887.5	1918.5	1988.3	2042.6
10°	1610.4	1722.8	1777.0	1941.8	2023.2
12.5°	1527.0	1592.9	1629.8	1860.4	1996.0
15°	1474.7	1521.2	1548.4	1751.9	1965.0
17.5°	1434.0	1467.0	1486.3	1645.3	1922.4
20°	1408.8	1424.3	1441.8	1567.7	1873.9
22.5°	1391.4	1381.7	1395.3	1513.5	1808.1
25°	1379.8	1342.9	1358.4	1470.8	1730.5
27.5°	1389.4	1308.1	1313.9	1432.1	1649.1
30°	1391.4	1265.4	1267.4	1391.4	1558.1
32.5°	1377.8	1220.8	1222.8	1341.0	1455.3
35°	1344.9	1168.5	1166.6	1282.9	1315.8
37.5°	1300.3	1112.4	1112.4	1218.9	1162.7
40°	1246.0	1056.2	1062.0	1135.7	1027.1
42.5°	1180.1	996.1	1003.9	1025.2	926.4
45°	1108.5	938.0	943.8	866.3	848.8
47.5°	1029.1	877.9	879.9	719.0	823.6
50°	934.1	815.9	808.1	616.3	821.7
52.5°	850.8	748.1	724.8	558.1	746.1
55°	769.4	676.4	626.0	513.6	691.9
57.5°	697.7	583.3	534.9	461.2	680.2
60°	631.8	492.3	455.4	405.0	624.0
62.5°	577.5	424.4	416.7	366.3	565.9
65°	519.4	377.9	376.0	333.3	480.6
67.5°	463.2	346.9	345.0	302.3	366.3
70°	403.1	314.0	310.1	269.4	271.3
72.5°	341.1	277.1	273.3	242.2	224.8
75°	279.1	234.5	232.6	211.2	182.2
77.5°	219.0	186.0	189.9	170.5	133.7
80°	157.0	135.7	139.5	122.1	100.8
82.5°	104.7	89.1	93.0	77.5	67.8
85°	58.1	50.4	52.3	40.7	31.0
87.5°	27.1	23.3	23.3	15.5	9.7
90°	53.2	33.8	31.4	21.8	12.1
92.5°	328.0	233.3	212.8	130.5	48.4
95°	807.0	454.5	416.9	266.5	116.1
97.5°	1087.1	499.2	466.1	333.3	200.7
100°	1189.1	536.7	506.6	386.2	265.9
102.5°	1235.8	574.1	546.0	433.8	321.5
105°	1270.4	629.8	606.0	510.9	415.8
107.5°	1276.9	711.9	689.7	601.2	512.5
110°	1267.2	757.9	737.9	657.9	577.8



TEST NUMBER: P935994

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1267.5	813.5	794.4	718.1	641.9
115°	1279.3	896.9	879.3	808.9	738.6
117.5°	1303.0	977.9	961.9	898.0	834.0
120°	1322.4	1025.0	1010.0	949.8	889.6
122.5°	1350.2	1080.6	1065.4	1004.8	944.0
125°	1387.6	1151.9	1138.1	1082.8	1027.4
127.5°	1425.1	1220.8	1206.9	1151.0	1095.2
130°	1452.5	1266.8	1251.8	1191.6	1131.4
132.5°	1474.7	1304.3	1289.3	1229.1	1168.9
135°	1498.8	1347.8	1334.1	1279.3	1224.4
137.5°	1535.1	1403.3	1389.7	1335.6	1281.3
140°	1557.3	1440.8	1428.3	1378.4	1328.4
142.5°	1575.8	1468.6	1457.1	1410.9	1364.6
145°	1600.0	1511.0	1500.9	1460.6	1420.3
147.5°	1635.5	1564.2	1554.4	1515.1	1475.9
150°	1653.9	1591.9	1583.1	1547.6	1512.1
152.5°	1666.1	1610.1	1603.4	1576.5	1549.6
155°	1692.6	1649.9	1645.0	1625.1	1605.2
157.5°	1719.2	1689.8	1685.0	1665.7	1646.3
160°	1731.3	1708.0	1704.2	1689.2	1674.1
162.5°	1744.2	1727.3	1724.5	1713.2	1702.0
165°	1762.7	1755.1	1752.5	1742.3	1732.1
167.5°	1777.2	1770.8	1769.6	1764.7	1759.9
170°	1789.4	1789.0	1787.7	1782.9	1778.0
172.5°	1790.1	1790.1	1789.8	1788.8	1787.7
175°	1797.4	1801.0	1801.0	1801.0	1801.0
177.5°	1798.2	1801.0	1801.0	1801.0	1801.0
180°	1801.0	1801.0	1801.0	1801.0	1801.0



TEST NUMBER: P935994

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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	10.59	11.31	11.69	12.41	13.92	13.43	14.14	14.53	15.24	16.76
	3H	11.06	11.70	12.17	12.80	14.34	14.77	15.41	15.88	16.51	18.05
	4H	11.24	11.85	12.36	12.96	14.49	15.20	15.81	16.33	16.92	18.46
	6H	11.35	11.91	12.48	13.02	14.57	15.48	16.04	16.61	17.15	18.70
	8H	11.35	11.88	12.48	13.01	14.55	15.55	16.09	16.69	17.21	18.76
	12H	11.31	11.82	12.45	12.94	14.51	15.59	16.09	16.73	17.21	18.78
4H	2H	11.61	12.21	12.74	13.32	14.86	13.82	14.43	14.95	15.54	17.07
	3H	12.62	13.13	13.76	14.26	15.81	15.31	15.82	16.45	16.95	18.51
	4H	12.89	13.36	14.03	14.48	16.05	15.84	16.30	16.98	17.43	19.00
	6H	13.01	13.41	14.15	14.55	16.11	16.20	16.59	17.34	17.74	19.30
	8H	13.01	13.38	14.15	14.52	16.10	16.30	16.67	17.44	17.81	19.39
	12H	12.97	13.31	14.13	14.46	16.04	16.35	16.69	17.51	17.84	19.42
8H	4H	13.33	13.71	14.48	14.84	16.42	15.95	16.32	17.09	17.46	19.04
	6H	13.59	13.90	14.75	15.08	16.65	16.38	16.69	17.55	17.87	19.44
	8H	13.63	13.90	14.80	15.06	16.65	16.53	16.80	17.70	17.96	19.56
	12H	13.61	13.84	14.78	15.00	16.63	16.63	16.86	17.80	18.02	19.65
12H	4H	13.33	13.67	14.49	14.82	16.40	15.91	16.24	17.07	17.39	18.98
	6H	13.65	13.92	14.82	15.08	16.67	16.38	16.65	17.55	17.81	19.40
	8H	13.71	13.94	14.88	15.10	16.73	16.53	16.77	17.71	17.93	19.55