

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: P935993

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935993
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-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

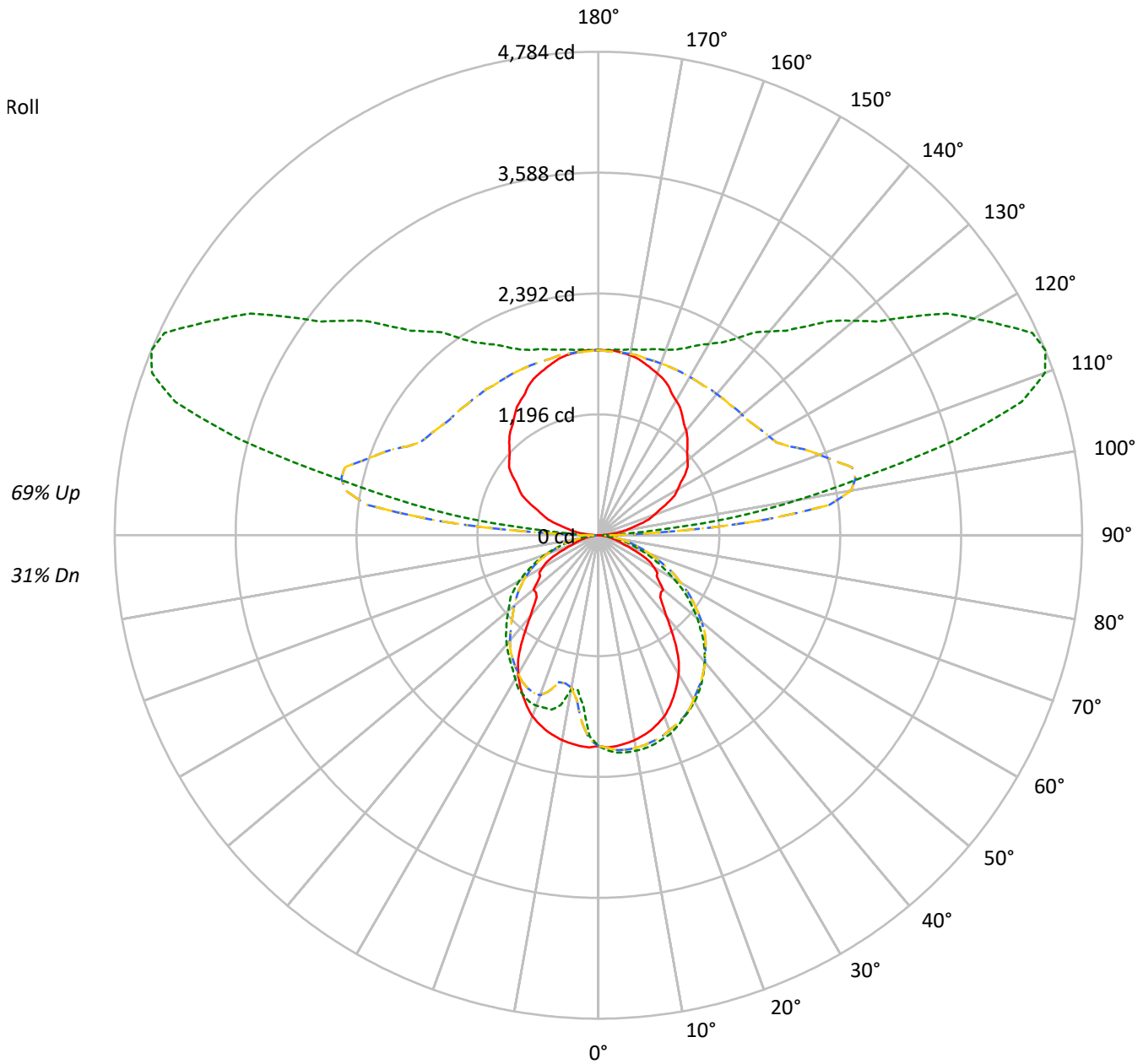
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17291.5 lumens
Efficiency: N/A
Efficacy: 135.9 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°	9670	9670	9670	9670
5°	9743	9762	9743	7676
10°	9678	9616	9678	6874
15°	9572	9407	9572	7855
20°	9372	9161	9372	7872
25°	8962	8801	8962	7705
30°	8433	8502	8433	7339
35°	7518	8124	7518	6936
40°	6265	7679	6265	6632
45°	5597	7158	5597	6282
50°	5946	6537	5946	5932
55°	5595	5868	5595	5729
60°	5767	4983	5767	5247
65°	5229	4119	5229	4605
70°	3621	3283	3621	3860
75°	3175	2427	3175	2906
80°	2557	1605	2557	1747
85°	1472	850	1472	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.1	1.1
10°-20°	534.2	3.1
20°-30°	825.8	4.8
30°-40°	985.8	5.7
40°-50°	991.6	5.7
50°-60°	862.8	5.0
60°-70°	611.8	3.5
70°-80°	323.7	1.9
80°-90°	87.6	0.5
90°-100°	893.3	5.2
100°-110°	2348.6	13.6
110°-120°	2435.2	14.1
120°-130°	1953.3	11.3
130°-140°	1532.7	8.9
140°-150°	1176.4	6.8
150°-160°	847.2	4.9
160°-170°	518.4	3.0
170°-180°	175.1	1.0
0°-30°	1548.1	9.0
0°-40°	2533.9	14.7
0°-60°	4388.3	25.4
0°-90°	5411.3	31.3
90°-120°	5677.1	32.8
90°-150°	10339.5	59.8
90°-180°	11880.0	68.7
0°-180°	17291.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2084	2084	2084	2084	2084	
5°	2094	2159	2094	1698	2094	199
15°	2000	2140	2000	1786	2000	563
25°	1761	1996	1761	1747	1761	809
35°	1339	1781	1339	1520	1339	828
45°	864	1467	864	1288	864	692
55°	704	1083	704	1057	704	647
65°	489	653	489	730	489	467
75°	185	310	185	371	185	195
85°	32	79	32	67	32	43
90°	12	47	12	47	12	11
95°	118	540	118	540	118	131
105°	423	3678	423	3678	423	449
115°	752	4735	752	4735	752	742
125°	1046	3771	1046	3771	1046	928
135°	1246	2926	1246	2926	1246	964
145°	1445	2374	1445	2374	1445	905
155°	1633	2044	1633	2044	1633	751
165°	1762	1904	1762	1904	1762	497
175°	1833	1845	1833	1845	1833	174
180°	1833	1833	1833	1833	1833	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2102.1	2102.1	2113.9	2117.8	2117.8	2111.9	2106.0	2111.9	2129.7	2135.6	2133.6
5°	2094.2	2109.9	2131.6	2135.6	2139.5	2137.5	2133.6	2137.5	2157.3	2161.2	2163.2
7.5°	2078.4	2108.0	2135.6	2141.5	2147.4	2141.5	2139.5	2143.5	2163.2	2167.1	2167.1
10°	2058.7	2100.1	2131.6	2135.6	2141.5	2135.6	2135.6	2143.5	2163.2	2167.1	2169.1
12.5°	2031.1	2088.2	2117.8	2121.8	2129.7	2127.7	2125.7	2133.6	2153.3	2157.3	2157.3
15°	1999.5	2066.6	2094.2	2098.1	2111.9	2108.0	2108.0	2115.9	2137.5	2143.5	2141.5
17.5°	1956.1	2038.9	2070.5	2076.4	2086.3	2084.3	2086.3	2094.2	2113.9	2117.8	2119.8
20°	1906.8	2001.5	2038.9	2044.9	2054.7	2054.7	2054.7	2064.6	2084.3	2092.2	2092.2
22.5°	1839.8	1962.0	2001.5	2005.4	2017.3	2017.3	2021.2	2035.0	2052.8	2054.7	2054.7
25°	1760.9	1918.7	1952.2	1964.0	1975.8	1981.8	1987.7	1995.6	2001.5	1999.5	2001.5
27.5°	1678.1	1863.4	1906.8	1914.7	1930.5	1936.4	1944.3	1946.3	1948.2	1954.2	1950.2
30°	1585.4	1786.5	1851.6	1859.5	1885.1	1889.1	1881.2	1885.1	1895.0	1898.9	1902.9
32.5°	1480.9	1672.2	1794.4	1812.2	1835.8	1824.0	1822.0	1827.9	1843.7	1843.7	1847.7
35°	1338.9	1583.4	1741.2	1757.0	1774.7	1760.9	1768.8	1770.8	1780.6	1786.5	1784.6
37.5°	1183.1	1506.5	1686.0	1697.8	1711.6	1693.8	1705.7	1711.6	1719.5	1715.5	1715.5
40°	1045.2	1386.2	1620.9	1628.8	1640.6	1626.8	1638.6	1642.6	1646.5	1642.6	1640.6
42.5°	942.6	1254.1	1551.9	1561.7	1553.8	1563.7	1567.6	1575.5	1569.6	1561.7	1561.7
45°	863.7	1218.6	1476.9	1488.8	1476.9	1492.7	1498.6	1498.6	1480.9	1476.9	1475.0
47.5°	838.1	1147.7	1402.0	1402.0	1396.1	1415.8	1425.7	1411.9	1394.1	1388.2	1388.2
50°	836.1	1068.8	1299.4	1291.6	1319.2	1342.8	1333.0	1319.2	1305.4	1283.7	1283.7
52.5°	759.2	972.2	1167.4	1196.9	1240.3	1254.1	1238.3	1224.5	1200.8	1191.0	1183.1
55°	704.0	871.6	1047.1	1106.3	1151.6	1169.4	1139.8	1126.0	1090.5	1084.6	1080.7
57.5°	692.2	725.7	936.7	1011.6	1066.9	1064.9	1047.1	1021.5	991.9	986.0	984.0
60°	635.0	524.6	818.4	907.1	964.3	958.4	942.6	919.0	891.3	887.4	883.5
62.5°	575.8	380.6	684.3	784.9	865.7	863.7	849.9	814.4	794.7	784.9	777.0
65°	489.1	319.5	487.1	652.7	769.1	773.0	743.4	717.8	696.1	684.3	682.3
67.5°	372.7	260.3	329.3	544.3	676.4	672.5	635.0	623.2	595.5	589.6	577.8
70°	276.1	173.5	228.8	441.7	585.7	575.8	546.2	532.4	506.8	493.0	485.1
72.5°	228.8	140.0	167.6	343.1	493.0	481.2	455.5	439.8	418.1	406.2	398.3
75°	185.4	147.9	128.2	254.4	400.3	392.4	368.8	353.0	335.2	319.5	321.4
77.5°	136.1	138.0	102.5	187.3	317.5	305.7	291.9	272.1	264.2	248.5	248.5
80°	102.5	108.5	76.9	128.2	228.8	228.8	216.9	203.1	189.3	181.4	181.4
82.5°	69.0	69.0	57.2	80.9	155.8	149.9	142.0	138.0	130.2	126.2	126.2
85°	31.6	39.4	35.5	49.3	84.8	88.7	88.7	84.8	82.8	78.9	80.9
87.5°	9.9	17.7	21.7	27.6	43.4	45.4	47.3	47.3	47.3	49.3	49.3
90°	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3	46.7	46.7
92.5°	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3	233.7	224.4
95°	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8	793.3	765.1
97.5°	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5	1831.4	1777.9
100°	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3	2571.8	2508.0
102.5°	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9	3204.0	3149.4
105°	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5	3942.0	3912.6
107.5°	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2	4325.8	4332.9
110°	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7	4424.2	4454.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	653.1	730.7	808.3	827.7	1289.8	1905.8	2213.9	2691.1	3645.5	4361.4	4408.4
115°	751.5	823.1	894.7	912.6	1301.7	1820.5	2079.9	2539.5	3459.0	4148.6	4213.8
117.5°	848.7	913.7	978.8	995.1	1325.9	1767.0	1987.6	2402.5	3232.3	3854.7	3926.9
120°	905.2	966.5	1027.7	1043.0	1345.6	1749.0	1950.7	2329.8	3088.1	3656.7	3726.9
122.5°	960.6	1022.4	1084.1	1099.6	1373.9	1739.6	1922.4	2263.8	2946.6	3458.6	3527.9
125°	1045.5	1101.8	1158.1	1172.2	1412.0	1731.7	1891.6	2181.6	2761.6	3196.6	3260.4
127.5°	1114.4	1171.2	1228.1	1242.3	1450.1	1727.3	1865.8	2114.8	2612.8	2986.3	3040.1
130°	1151.3	1212.5	1273.7	1289.0	1478.0	1729.9	1855.9	2077.6	2521.0	2853.5	2903.3
132.5°	1189.4	1250.6	1311.9	1327.2	1500.6	1731.8	1847.4	2045.8	2442.6	2740.3	2784.9
135°	1245.9	1301.7	1357.5	1371.4	1525.1	1730.1	1832.6	1998.8	2331.2	2580.5	2618.8
137.5°	1303.8	1359.0	1414.1	1427.9	1562.0	1740.8	1830.2	1970.7	2251.6	2462.3	2493.8
140°	1351.7	1402.6	1453.4	1466.1	1584.6	1742.6	1821.5	1942.9	2185.7	2367.7	2397.1
142.5°	1388.6	1435.6	1482.6	1494.4	1603.4	1748.9	1821.5	1928.1	2141.3	2301.2	2326.5
145°	1445.2	1486.2	1527.2	1537.5	1628.1	1748.9	1809.2	1896.4	2070.8	2201.6	2220.8
147.5°	1501.8	1541.7	1581.6	1591.6	1664.2	1760.9	1809.2	1877.8	2015.0	2117.9	2133.8
150°	1538.7	1574.7	1610.8	1619.8	1682.9	1767.1	1809.2	1867.2	1983.0	2070.0	2082.8
152.5°	1576.8	1604.1	1631.5	1638.3	1695.3	1771.3	1809.2	1858.7	1957.6	2031.9	2041.5
155°	1633.4	1653.6	1673.8	1678.9	1722.3	1780.2	1809.2	1848.6	1927.3	1986.4	1992.8
157.5°	1675.2	1694.9	1714.6	1719.5	1749.4	1789.3	1809.2	1839.9	1901.1	1947.1	1951.6
160°	1703.5	1718.8	1734.1	1737.9	1761.7	1793.3	1809.2	1835.4	1888.0	1927.3	1929.9
162.5°	1731.8	1743.2	1754.8	1757.6	1774.8	1797.8	1809.2	1831.4	1875.7	1908.9	1911.4
165°	1762.5	1772.8	1783.3	1785.8	1793.6	1804.0	1809.2	1825.1	1856.8	1880.6	1883.2
167.5°	1790.8	1795.7	1800.6	1801.9	1808.4	1817.2	1821.5	1831.9	1852.7	1868.3	1869.4
170°	1809.2	1814.1	1819.1	1820.4	1820.7	1821.2	1821.5	1831.9	1852.7	1868.3	1868.3
172.5°	1819.1	1820.2	1821.2	1821.5	1821.5	1821.5	1821.5	1829.7	1846.1	1858.4	1857.4
175°	1832.6	1832.6	1832.6	1832.6	1828.9	1824.0	1821.5	1826.8	1837.1	1844.9	1844.9
177.5°	1832.6	1832.6	1832.6	1832.6	1829.7	1825.9	1824.0	1828.1	1836.3	1842.4	1841.4
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2137.5	2131.6	2137.5	2133.6	2135.6	2129.7	2111.9	2106.0	2111.9	2117.8	2117.8
5°	2163.2	2159.2	2163.2	2163.2	2161.2	2157.3	2137.5	2133.6	2137.5	2139.5	2135.6
7.5°	2171.1	2165.2	2171.1	2167.1	2167.1	2163.2	2143.5	2139.5	2141.5	2147.4	2141.5
10°	2171.1	2165.2	2171.1	2169.1	2167.1	2163.2	2143.5	2135.6	2135.6	2141.5	2135.6
12.5°	2161.2	2157.3	2161.2	2157.3	2157.3	2153.3	2133.6	2125.7	2127.7	2129.7	2121.8
15°	2145.4	2139.5	2145.4	2141.5	2143.5	2137.5	2115.9	2108.0	2108.0	2111.9	2098.1
17.5°	2121.8	2113.9	2121.8	2119.8	2117.8	2113.9	2094.2	2086.3	2084.3	2086.3	2076.4
20°	2094.2	2088.2	2094.2	2092.2	2092.2	2084.3	2064.6	2054.7	2054.7	2054.7	2044.9
22.5°	2050.8	2044.9	2050.8	2054.7	2054.7	2052.8	2035.0	2021.2	2017.3	2017.3	2005.4
25°	2001.5	1995.6	2001.5	2001.5	1999.5	2001.5	1995.6	1987.7	1981.8	1975.8	1964.0
27.5°	1954.2	1950.2	1954.2	1950.2	1954.2	1948.2	1946.3	1944.3	1936.4	1930.5	1914.7
30°	1906.8	1902.9	1906.8	1902.9	1898.9	1895.0	1885.1	1881.2	1889.1	1885.1	1859.5
32.5°	1847.7	1843.7	1847.7	1847.7	1843.7	1843.7	1827.9	1822.0	1824.0	1835.8	1812.2
35°	1786.5	1780.6	1786.5	1784.6	1786.5	1780.6	1770.8	1768.8	1760.9	1774.7	1757.0
37.5°	1715.5	1709.6	1715.5	1715.5	1715.5	1719.5	1711.6	1705.7	1693.8	1711.6	1697.8
40°	1642.6	1634.7	1642.6	1640.6	1642.6	1646.5	1642.6	1638.6	1626.8	1640.6	1628.8
42.5°	1559.8	1557.8	1559.8	1561.7	1561.7	1569.6	1575.5	1567.6	1563.7	1553.8	1561.7
45°	1471.0	1467.1	1471.0	1475.0	1476.9	1480.9	1498.6	1498.6	1492.7	1476.9	1488.8
47.5°	1376.4	1366.5	1376.4	1388.2	1388.2	1394.1	1411.9	1425.7	1415.8	1396.1	1402.0
50°	1275.8	1277.8	1275.8	1283.7	1283.7	1305.4	1319.2	1333.0	1342.8	1319.2	1291.6
52.5°	1177.2	1175.3	1177.2	1183.1	1191.0	1200.8	1224.5	1238.3	1254.1	1240.3	1196.9
55°	1078.7	1082.6	1078.7	1080.7	1084.6	1090.5	1126.0	1139.8	1169.4	1151.6	1106.3
57.5°	980.1	974.2	980.1	984.0	986.0	991.9	1021.5	1047.1	1064.9	1066.9	1011.6
60°	865.7	857.8	865.7	883.5	887.4	891.3	919.0	942.6	958.4	964.3	907.1
62.5°	765.1	751.3	765.1	777.0	784.9	794.7	814.4	849.9	863.7	865.7	784.9
65°	658.6	652.7	658.6	682.3	684.3	696.1	717.8	743.4	773.0	769.1	652.7
67.5°	562.0	562.0	562.0	577.8	589.6	595.5	623.2	635.0	672.5	676.4	544.3
70°	473.3	471.3	473.3	485.1	493.0	506.8	532.4	546.2	575.8	585.7	441.7
72.5°	388.5	386.5	388.5	398.3	406.2	418.1	439.8	455.5	481.2	493.0	343.1
75°	313.5	309.6	313.5	321.4	319.5	335.2	353.0	368.8	392.4	400.3	254.4
77.5°	240.6	240.6	240.6	248.5	248.5	264.2	272.1	291.9	305.7	317.5	187.3
80°	179.5	177.5	179.5	181.4	181.4	189.3	203.1	216.9	228.8	228.8	128.2
82.5°	126.2	122.3	126.2	126.2	126.2	130.2	138.0	142.0	149.9	155.8	80.9
85°	78.9	78.9	78.9	80.9	78.9	82.8	84.8	88.7	88.7	84.8	49.3
87.5°	51.3	49.3	51.3	49.3	49.3	47.3	47.3	47.3	45.4	43.4	27.6
90°	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4	54.1	34.4
92.5°	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2	333.8	237.4
95°	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4	821.1	462.4
97.5°	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8	1106.2	508.0
100°	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9	1209.9	546.1
102.5°	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0	1257.4	584.2
105°	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8	1292.6	640.8
107.5°	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7	1299.3	724.4
110°	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4	1289.4	771.2



TEST NUMBER: P935993

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4596.4	4784.5	4596.4	4408.4	4361.4	3645.5	2691.1	2213.9	1905.8	1289.8	827.7
115°	4474.6	4735.3	4474.6	4213.8	4148.6	3459.0	2539.5	2079.9	1820.5	1301.7	912.6
117.5°	4216.1	4505.3	4216.1	3926.9	3854.7	3232.3	2402.5	1987.6	1767.0	1325.9	995.1
120°	4007.9	4288.8	4007.9	3726.9	3656.7	3088.1	2329.8	1950.7	1749.0	1345.6	1043.0
122.5°	3805.1	4082.2	3805.1	3527.9	3458.6	2946.6	2263.8	1922.4	1739.6	1373.9	1099.6
125°	3515.8	3771.1	3515.8	3260.4	3196.6	2761.6	2181.6	1891.6	1731.7	1412.0	1172.2
127.5°	3255.6	3470.9	3255.6	3040.1	2986.3	2612.8	2114.8	1865.8	1727.3	1450.1	1242.3
130°	3102.3	3301.2	3102.3	2903.3	2853.5	2521.0	2077.6	1855.9	1729.9	1478.0	1289.0
132.5°	2963.0	3141.3	2963.0	2784.9	2740.3	2442.6	2045.8	1847.4	1731.8	1500.6	1327.2
135°	2772.4	2926.1	2772.4	2618.8	2580.5	2331.2	1998.8	1832.6	1730.1	1525.1	1371.4
137.5°	2619.5	2745.2	2619.5	2493.8	2462.3	2251.6	1970.7	1830.2	1740.8	1562.0	1427.9
140°	2514.6	2632.1	2514.6	2397.1	2367.7	2185.7	1942.9	1821.5	1742.6	1584.6	1466.1
142.5°	2427.6	2528.8	2427.6	2326.5	2301.2	2141.3	1928.1	1821.5	1748.9	1603.4	1494.4
145°	2297.3	2373.8	2297.3	2220.8	2201.6	2070.8	1896.4	1809.2	1748.9	1628.1	1537.5
147.5°	2197.2	2260.6	2197.2	2133.8	2117.9	2015.0	1877.8	1809.2	1760.9	1664.2	1591.6
150°	2134.3	2185.7	2134.3	2082.8	2070.0	1983.0	1867.2	1809.2	1767.1	1682.9	1619.8
152.5°	2080.4	2119.2	2080.4	2041.5	2031.9	1957.6	1858.7	1809.2	1771.3	1695.3	1638.3
155°	2018.5	2044.2	2018.5	1992.8	1986.4	1927.3	1848.6	1809.2	1780.2	1722.3	1678.9
157.5°	1969.5	1987.6	1969.5	1951.6	1947.1	1901.1	1839.9	1809.2	1789.3	1749.4	1719.5
160°	1940.3	1950.7	1940.3	1929.9	1927.3	1888.0	1835.4	1809.2	1793.3	1761.7	1737.9
162.5°	1921.1	1931.0	1921.1	1911.4	1908.9	1875.7	1831.4	1809.2	1797.8	1774.8	1757.6
165°	1893.6	1904.0	1893.6	1883.2	1880.6	1856.8	1825.1	1809.2	1804.0	1793.6	1785.8
167.5°	1873.8	1878.1	1873.8	1869.4	1868.3	1852.7	1831.9	1821.5	1817.2	1808.4	1801.9
170°	1868.3	1868.3	1868.3	1868.3	1868.3	1852.7	1831.9	1821.5	1821.2	1820.7	1820.4
172.5°	1853.7	1849.8	1853.7	1857.4	1858.4	1846.1	1829.7	1821.5	1821.5	1821.5	1821.5
175°	1844.9	1844.9	1844.9	1844.9	1844.9	1837.1	1826.8	1821.5	1824.0	1828.9	1832.6
177.5°	1836.9	1832.6	1836.9	1841.4	1842.4	1836.3	1828.1	1824.0	1825.9	1829.7	1832.6
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P935993

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2113.9	2102.1	2102.1	2082.3	2074.4	2068.5	2058.7	2029.1	2021.2	2013.3	2025.1
5°	2131.6	2109.9	2094.2	2058.7	2029.1	2017.3	1979.8	1908.8	1861.5	1826.0	1806.3
7.5°	2135.6	2108.0	2078.4	2023.2	1952.2	1920.6	1806.3	1676.1	1640.6	1609.1	1589.3
10°	2131.6	2100.1	2058.7	1975.8	1808.2	1753.0	1638.6	1553.8	1532.1	1526.2	1532.1
12.5°	2117.8	2088.2	2031.1	1893.0	1658.4	1620.9	1553.8	1504.5	1500.6	1510.5	1563.7
15°	2094.2	2066.6	1999.5	1782.6	1575.5	1547.9	1500.6	1482.8	1504.5	1573.6	1733.3
17.5°	2070.5	2038.9	1956.1	1674.1	1512.4	1492.7	1459.2	1494.7	1616.9	1709.6	1762.9
20°	2038.9	2001.5	1906.8	1595.2	1467.1	1449.3	1433.5	1593.3	1686.0	1719.5	1749.1
22.5°	2001.5	1962.0	1839.8	1540.0	1419.7	1405.9	1415.8	1648.5	1686.0	1709.6	1735.3
25°	1952.2	1918.7	1760.9	1496.6	1382.3	1366.5	1404.0	1642.6	1664.3	1670.2	1721.5
27.5°	1906.8	1863.4	1678.1	1457.2	1336.9	1331.0	1413.8	1616.9	1632.7	1638.6	1693.8
30°	1851.6	1786.5	1585.4	1415.8	1289.6	1287.6	1415.8	1585.4	1581.4	1597.2	1652.4
32.5°	1794.4	1672.2	1480.9	1364.5	1244.2	1242.3	1402.0	1538.1	1534.1	1555.8	1597.2
35°	1741.2	1583.4	1338.9	1305.4	1187.0	1189.0	1368.5	1482.8	1484.8	1504.5	1530.2
37.5°	1686.0	1506.5	1183.1	1240.3	1131.9	1131.9	1323.1	1431.6	1427.6	1433.5	1469.0
40°	1620.9	1386.2	1045.2	1155.6	1080.7	1074.7	1267.9	1376.4	1362.6	1360.6	1409.9
42.5°	1551.9	1254.1	942.6	1043.2	1021.5	1013.6	1200.8	1309.3	1283.7	1289.6	1352.7
45°	1476.9	1218.6	863.7	881.5	960.4	954.4	1128.0	1232.4	1214.7	1230.4	1295.5
47.5°	1402.0	1147.7	838.1	731.6	895.3	893.3	1047.1	1157.6	1147.7	1163.5	1232.4
50°	1299.4	1068.8	836.1	627.1	822.3	830.2	950.5	1084.6	1084.6	1098.4	1171.4
52.5°	1167.4	972.2	759.2	567.9	737.5	761.2	865.7	1021.5	1025.4	1039.2	1104.3
55°	1047.1	871.6	704.0	522.6	637.0	688.2	782.9	956.4	964.3	978.1	1037.3
57.5°	936.7	725.7	692.2	469.3	544.3	593.6	709.9	893.3	897.3	909.1	966.3
60°	818.4	524.6	635.0	412.1	463.4	500.9	642.9	818.4	832.2	840.1	889.4
62.5°	684.3	380.6	575.8	372.7	424.0	431.9	587.7	747.4	765.1	771.1	800.6
65°	487.1	319.5	489.1	339.2	382.6	384.5	528.5	674.4	690.2	700.1	721.8
67.5°	329.3	260.3	372.7	307.6	351.0	353.0	471.3	589.6	611.3	619.2	633.0
70°	228.8	173.5	276.1	274.1	315.5	319.5	410.2	512.7	532.4	538.4	546.2
72.5°	167.6	140.0	228.8	246.5	278.1	282.0	347.1	426.0	445.7	451.6	455.5
75°	128.2	147.9	185.4	214.9	236.6	238.6	284.0	347.1	360.9	364.8	366.8
77.5°	102.5	138.0	136.1	173.5	193.3	189.3	222.8	268.2	280.0	280.0	280.0
80°	76.9	108.5	102.5	124.2	142.0	138.0	159.7	191.3	195.2	199.2	197.2
82.5°	57.2	69.0	69.0	78.9	94.7	90.7	106.5	124.2	124.2	124.2	128.2
85°	35.5	39.4	31.6	41.4	53.2	51.3	59.2	67.0	69.0	69.0	65.1
87.5°	21.7	17.7	9.9	15.8	23.7	23.7	27.6	29.6	27.6	27.6	27.6
90°	31.9	22.2	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3
92.5°	216.5	132.8	49.2	132.8	216.5	237.4	333.8	462.2	526.4	461.3	331.3
95°	424.2	271.2	118.1	271.2	424.2	462.4	821.1	1299.4	1538.7	1373.0	1041.8
97.5°	474.3	339.2	204.2	339.2	474.3	508.0	1106.2	1903.8	2302.5	2197.8	1988.5
100°	515.5	393.0	270.6	393.0	515.5	546.1	1209.9	2094.9	2537.4	2545.1	2560.3
102.5°	555.6	441.4	327.2	441.4	555.6	584.2	1257.4	2155.0	2603.8	2737.2	3003.9
105°	616.6	519.8	423.1	519.8	616.6	640.8	1292.6	2161.8	2596.4	2895.5	3493.5
107.5°	701.8	611.7	521.5	611.7	701.8	724.4	1299.3	2065.7	2448.8	2865.9	3700.2
110°	750.8	669.4	588.0	669.4	750.8	771.2	1289.4	1980.4	2325.9	2792.2	3724.7



TEST NUMBER: P935993

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	808.3	730.7	653.1	730.7	808.3	827.7	1289.8	1905.8	2213.9	2691.1	3645.5
115°	894.7	823.1	751.5	823.1	894.7	912.6	1301.7	1820.5	2079.9	2539.5	3459.0
117.5°	978.8	913.7	848.7	913.7	978.8	995.1	1325.9	1767.0	1987.6	2402.5	3232.3
120°	1027.7	966.5	905.2	966.5	1027.7	1043.0	1345.6	1749.0	1950.7	2329.8	3088.1
122.5°	1084.1	1022.4	960.6	1022.4	1084.1	1099.6	1373.9	1739.6	1922.4	2263.8	2946.6
125°	1158.1	1101.8	1045.5	1101.8	1158.1	1172.2	1412.0	1731.7	1891.6	2181.6	2761.6
127.5°	1228.1	1171.2	1114.4	1171.2	1228.1	1242.3	1450.1	1727.3	1865.8	2114.8	2612.8
130°	1273.7	1212.5	1151.3	1212.5	1273.7	1289.0	1478.0	1729.9	1855.9	2077.6	2521.0
132.5°	1311.9	1250.6	1189.4	1250.6	1311.9	1327.2	1500.6	1731.8	1847.4	2045.8	2442.6
135°	1357.5	1301.7	1245.9	1301.7	1357.5	1371.4	1525.1	1730.1	1832.6	1998.8	2331.2
137.5°	1414.1	1359.0	1303.8	1359.0	1414.1	1427.9	1562.0	1740.8	1830.2	1970.7	2251.6
140°	1453.4	1402.6	1351.7	1402.6	1453.4	1466.1	1584.6	1742.6	1821.5	1942.9	2185.7
142.5°	1482.6	1435.6	1388.6	1435.6	1482.6	1494.4	1603.4	1748.9	1821.5	1928.1	2141.3
145°	1527.2	1486.2	1445.2	1486.2	1527.2	1537.5	1628.1	1748.9	1809.2	1896.4	2070.8
147.5°	1581.6	1541.7	1501.8	1541.7	1581.6	1591.6	1664.2	1760.9	1809.2	1877.8	2015.0
150°	1610.8	1574.7	1538.7	1574.7	1610.8	1619.8	1682.9	1767.1	1809.2	1867.2	1983.0
152.5°	1631.5	1604.1	1576.8	1604.1	1631.5	1638.3	1695.3	1771.3	1809.2	1858.7	1957.6
155°	1673.8	1653.6	1633.4	1653.6	1673.8	1678.9	1722.3	1780.2	1809.2	1848.6	1927.3
157.5°	1714.6	1694.9	1675.2	1694.9	1714.6	1719.5	1749.4	1789.3	1809.2	1839.9	1901.1
160°	1734.1	1718.8	1703.5	1718.8	1734.1	1737.9	1761.7	1793.3	1809.2	1835.4	1888.0
162.5°	1754.8	1743.2	1731.8	1743.2	1754.8	1757.6	1774.8	1797.8	1809.2	1831.4	1875.7
165°	1783.3	1772.8	1762.5	1772.8	1783.3	1785.8	1793.6	1804.0	1809.2	1825.1	1856.8
167.5°	1800.6	1795.7	1790.8	1795.7	1800.6	1801.9	1808.4	1817.2	1821.5	1831.9	1852.7
170°	1819.1	1814.1	1809.2	1814.1	1819.1	1820.4	1820.7	1821.2	1821.5	1831.9	1852.7
172.5°	1821.2	1820.2	1819.1	1820.2	1821.2	1821.5	1821.5	1821.5	1821.5	1829.7	1846.1
175°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1828.9	1824.0	1821.5	1826.8	1837.1
177.5°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1829.7	1825.9	1824.0	1828.1	1836.3
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



TEST NUMBER: P935993

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2011.3	2005.4	2013.3	1991.6	2013.3	2005.4	2011.3	2025.1	2013.3	2021.2	2029.1
5°	1764.8	1755.0	1723.4	1697.8	1723.4	1755.0	1764.8	1806.3	1826.0	1861.5	1908.8
7.5°	1577.5	1569.6	1561.7	1545.9	1561.7	1569.6	1577.5	1589.3	1609.1	1640.6	1676.1
10°	1536.1	1538.1	1549.9	1547.9	1549.9	1538.1	1536.1	1532.1	1526.2	1532.1	1553.8
12.5°	1642.6	1660.3	1725.4	1721.5	1725.4	1660.3	1642.6	1563.7	1510.5	1500.6	1504.5
15°	1764.8	1770.8	1784.6	1786.5	1784.6	1770.8	1764.8	1733.3	1573.6	1504.5	1482.8
17.5°	1776.7	1778.6	1788.5	1788.5	1788.5	1778.6	1776.7	1762.9	1709.6	1616.9	1494.7
20°	1766.8	1770.8	1790.5	1794.4	1790.5	1770.8	1766.8	1749.1	1719.5	1686.0	1593.3
22.5°	1762.9	1770.8	1786.5	1784.6	1786.5	1770.8	1762.9	1735.3	1709.6	1686.0	1648.5
25°	1743.1	1743.1	1745.1	1747.1	1745.1	1743.1	1743.1	1721.5	1670.2	1664.3	1642.6
27.5°	1701.7	1705.7	1717.5	1715.5	1717.5	1705.7	1701.7	1693.8	1638.6	1632.7	1616.9
30°	1664.3	1660.3	1650.5	1642.6	1650.5	1660.3	1664.3	1652.4	1597.2	1581.4	1585.4
32.5°	1601.2	1591.3	1581.4	1575.5	1581.4	1591.3	1601.2	1597.2	1555.8	1534.1	1538.1
35°	1526.2	1528.2	1526.2	1520.3	1526.2	1528.2	1526.2	1530.2	1504.5	1484.8	1482.8
37.5°	1473.0	1476.9	1475.0	1467.1	1475.0	1476.9	1473.0	1469.0	1433.5	1427.6	1431.6
40°	1417.8	1419.7	1417.8	1411.9	1417.8	1419.7	1417.8	1409.9	1360.6	1362.6	1376.4
42.5°	1364.5	1362.6	1356.6	1352.7	1356.6	1362.6	1364.5	1352.7	1289.6	1283.7	1309.3
45°	1303.4	1305.4	1293.5	1287.6	1293.5	1305.4	1303.4	1295.5	1230.4	1214.7	1232.4
47.5°	1242.3	1242.3	1232.4	1226.5	1232.4	1242.3	1242.3	1232.4	1163.5	1147.7	1157.6
50°	1177.2	1175.3	1161.5	1159.5	1161.5	1175.3	1177.2	1171.4	1098.4	1084.6	1084.6
52.5°	1102.3	1102.3	1104.3	1108.3	1104.3	1102.3	1102.3	1104.3	1039.2	1025.4	1021.5
55°	1037.3	1039.2	1053.0	1057.0	1053.0	1039.2	1037.3	1037.3	978.1	964.3	956.4
57.5°	970.2	970.2	980.1	980.1	980.1	970.2	970.2	966.3	909.1	897.3	893.3
60°	893.3	897.3	905.1	903.2	905.1	897.3	893.3	889.4	840.1	832.2	818.4
62.5°	812.5	816.4	818.4	814.4	818.4	816.4	812.5	800.6	771.1	765.1	747.4
65°	727.7	731.6	733.6	729.6	733.6	731.6	727.7	721.8	700.1	690.2	674.4
67.5°	640.9	638.9	637.0	644.8	637.0	638.9	640.9	633.0	619.2	611.3	589.6
70°	552.2	552.2	550.2	554.1	550.2	552.2	552.2	546.2	538.4	532.4	512.7
72.5°	457.5	455.5	463.4	457.5	463.4	455.5	457.5	455.5	451.6	445.7	426.0
75°	364.8	368.8	364.8	370.7	364.8	368.8	364.8	366.8	364.8	360.9	347.1
77.5°	278.1	282.0	278.1	278.1	278.1	282.0	278.1	280.0	280.0	280.0	268.2
80°	197.2	195.2	195.2	193.3	195.2	195.2	197.2	197.2	199.2	195.2	191.3
82.5°	126.2	124.2	124.2	128.2	124.2	124.2	126.2	128.2	124.2	124.2	124.2
85°	69.0	71.0	67.0	67.0	67.0	71.0	69.0	65.1	69.0	69.0	67.0
87.5°	25.6	23.7	23.7	23.7	23.7	23.7	25.6	27.6	27.6	27.6	29.6
90°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4
92.5°	233.7	224.4	187.2	150.1	187.2	224.4	233.7	331.3	461.3	526.4	462.2
95°	793.3	765.1	652.5	539.9	652.5	765.1	793.3	1041.8	1373.0	1538.7	1299.4
97.5°	1831.4	1777.9	1563.5	1349.2	1563.5	1777.9	1831.4	1988.5	2197.8	2302.5	1903.8
100°	2571.8	2508.0	2252.7	1997.4	2252.7	2508.0	2571.8	2560.3	2545.1	2537.4	2094.9
102.5°	3204.0	3149.4	2930.7	2712.1	2930.7	3149.4	3204.0	3003.9	2737.2	2603.8	2155.0
105°	3942.0	3912.6	3795.1	3677.6	3795.1	3912.6	3942.0	3493.5	2895.5	2596.4	2161.8
107.5°	4325.8	4332.9	4361.3	4389.7	4361.3	4332.9	4325.8	3700.2	2865.9	2448.8	2065.7
110°	4424.2	4454.7	4577.2	4699.7	4577.2	4454.7	4424.2	3724.7	2792.2	2325.9	1980.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4361.4	4408.4	4596.4	4784.5	4596.4	4408.4	4361.4	3645.5	2691.1	2213.9	1905.8
115°	4148.6	4213.8	4474.6	4735.3	4474.6	4213.8	4148.6	3459.0	2539.5	2079.9	1820.5
117.5°	3854.7	3926.9	4216.1	4505.3	4216.1	3926.9	3854.7	3232.3	2402.5	1987.6	1767.0
120°	3656.7	3726.9	4007.9	4288.8	4007.9	3726.9	3656.7	3088.1	2329.8	1950.7	1749.0
122.5°	3458.6	3527.9	3805.1	4082.2	3805.1	3527.9	3458.6	2946.6	2263.8	1922.4	1739.6
125°	3196.6	3260.4	3515.8	3771.1	3515.8	3260.4	3196.6	2761.6	2181.6	1891.6	1731.7
127.5°	2986.3	3040.1	3255.6	3470.9	3255.6	3040.1	2986.3	2612.8	2114.8	1865.8	1727.3
130°	2853.5	2903.3	3102.3	3301.2	3102.3	2903.3	2853.5	2521.0	2077.6	1855.9	1729.9
132.5°	2740.3	2784.9	2963.0	3141.3	2963.0	2784.9	2740.3	2442.6	2045.8	1847.4	1731.8
135°	2580.5	2618.8	2772.4	2926.1	2772.4	2618.8	2580.5	2331.2	1998.8	1832.6	1730.1
137.5°	2462.3	2493.8	2619.5	2745.2	2619.5	2493.8	2462.3	2251.6	1970.7	1830.2	1740.8
140°	2367.7	2397.1	2514.6	2632.1	2514.6	2397.1	2367.7	2185.7	1942.9	1821.5	1742.6
142.5°	2301.2	2326.5	2427.6	2528.8	2427.6	2326.5	2301.2	2141.3	1928.1	1821.5	1748.9
145°	2201.6	2220.8	2297.3	2373.8	2297.3	2220.8	2201.6	2070.8	1896.4	1809.2	1748.9
147.5°	2117.9	2133.8	2197.2	2260.6	2197.2	2133.8	2117.9	2015.0	1877.8	1809.2	1760.9
150°	2070.0	2082.8	2134.3	2185.7	2134.3	2082.8	2070.0	1983.0	1867.2	1809.2	1767.1
152.5°	2031.9	2041.5	2080.4	2119.2	2080.4	2041.5	2031.9	1957.6	1858.7	1809.2	1771.3
155°	1986.4	1992.8	2018.5	2044.2	2018.5	1992.8	1986.4	1927.3	1848.6	1809.2	1780.2
157.5°	1947.1	1951.6	1969.5	1987.6	1969.5	1951.6	1947.1	1901.1	1839.9	1809.2	1789.3
160°	1927.3	1929.9	1940.3	1950.7	1940.3	1929.9	1927.3	1888.0	1835.4	1809.2	1793.3
162.5°	1908.9	1911.4	1921.1	1931.0	1921.1	1911.4	1908.9	1875.7	1831.4	1809.2	1797.8
165°	1880.6	1883.2	1893.6	1904.0	1893.6	1883.2	1880.6	1856.8	1825.1	1809.2	1804.0
167.5°	1868.3	1869.4	1873.8	1878.1	1873.8	1869.4	1868.3	1852.7	1831.9	1821.5	1817.2
170°	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1852.7	1831.9	1821.5	1821.2
172.5°	1858.4	1857.4	1853.7	1849.8	1853.7	1857.4	1858.4	1846.1	1829.7	1821.5	1821.5
175°	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1837.1	1826.8	1821.5	1824.0
177.5°	1842.4	1841.4	1836.9	1832.6	1836.9	1841.4	1842.4	1836.3	1828.1	1824.0	1825.9
180°	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6	1832.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2058.7	2068.5	2074.4	2082.3	2102.1
5°	1979.8	2017.3	2029.1	2058.7	2094.2
7.5°	1806.3	1920.6	1952.2	2023.2	2078.4
10°	1638.6	1753.0	1808.2	1975.8	2058.7
12.5°	1553.8	1620.9	1658.4	1893.0	2031.1
15°	1500.6	1547.9	1575.5	1782.6	1999.5
17.5°	1459.2	1492.7	1512.4	1674.1	1956.1
20°	1433.5	1449.3	1467.1	1595.2	1906.8
22.5°	1415.8	1405.9	1419.7	1540.0	1839.8
25°	1404.0	1366.5	1382.3	1496.6	1760.9
27.5°	1413.8	1331.0	1336.9	1457.2	1678.1
30°	1415.8	1287.6	1289.6	1415.8	1585.4
32.5°	1402.0	1242.3	1244.2	1364.5	1480.9
35°	1368.5	1189.0	1187.0	1305.4	1338.9
37.5°	1323.1	1131.9	1131.9	1240.3	1183.1
40°	1267.9	1074.7	1080.7	1155.6	1045.2
42.5°	1200.8	1013.6	1021.5	1043.2	942.6
45°	1128.0	954.4	960.4	881.5	863.7
47.5°	1047.1	893.3	895.3	731.6	838.1
50°	950.5	830.2	822.3	627.1	836.1
52.5°	865.7	761.2	737.5	567.9	759.2
55°	782.9	688.2	637.0	522.6	704.0
57.5°	709.9	593.6	544.3	469.3	692.2
60°	642.9	500.9	463.4	412.1	635.0
62.5°	587.7	431.9	424.0	372.7	575.8
65°	528.5	384.5	382.6	339.2	489.1
67.5°	471.3	353.0	351.0	307.6	372.7
70°	410.2	319.5	315.5	274.1	276.1
72.5°	347.1	282.0	278.1	246.5	228.8
75°	284.0	238.6	236.6	214.9	185.4
77.5°	222.8	189.3	193.3	173.5	136.1
80°	159.7	138.0	142.0	124.2	102.5
82.5°	106.5	90.7	94.7	78.9	69.0
85°	59.2	51.3	53.2	41.4	31.6
87.5°	27.6	23.7	23.7	15.8	9.9
90°	54.1	34.4	31.9	22.2	12.3
92.5°	333.8	237.4	216.5	132.8	49.2
95°	821.1	462.4	424.2	271.2	118.1
97.5°	1106.2	508.0	474.3	339.2	204.2
100°	1209.9	546.1	515.5	393.0	270.6
102.5°	1257.4	584.2	555.6	441.4	327.2
105°	1292.6	640.8	616.6	519.8	423.1
107.5°	1299.3	724.4	701.8	611.7	521.5
110°	1289.4	771.2	750.8	669.4	588.0



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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1289.8	827.7	808.3	730.7	653.1
115°	1301.7	912.6	894.7	823.1	751.5
117.5°	1325.9	995.1	978.8	913.7	848.7
120°	1345.6	1043.0	1027.7	966.5	905.2
122.5°	1373.9	1099.6	1084.1	1022.4	960.6
125°	1412.0	1172.2	1158.1	1101.8	1045.5
127.5°	1450.1	1242.3	1228.1	1171.2	1114.4
130°	1478.0	1289.0	1273.7	1212.5	1151.3
132.5°	1500.6	1327.2	1311.9	1250.6	1189.4
135°	1525.1	1371.4	1357.5	1301.7	1245.9
137.5°	1562.0	1427.9	1414.1	1359.0	1303.8
140°	1584.6	1466.1	1453.4	1402.6	1351.7
142.5°	1603.4	1494.4	1482.6	1435.6	1388.6
145°	1628.1	1537.5	1527.2	1486.2	1445.2
147.5°	1664.2	1591.6	1581.6	1541.7	1501.8
150°	1682.9	1619.8	1610.8	1574.7	1538.7
152.5°	1695.3	1638.3	1631.5	1604.1	1576.8
155°	1722.3	1678.9	1673.8	1653.6	1633.4
157.5°	1749.4	1719.5	1714.6	1694.9	1675.2
160°	1761.7	1737.9	1734.1	1718.8	1703.5
162.5°	1774.8	1757.6	1754.8	1743.2	1731.8
165°	1793.6	1785.8	1783.3	1772.8	1762.5
167.5°	1808.4	1801.9	1800.6	1795.7	1790.8
170°	1820.7	1820.4	1819.1	1814.1	1809.2
172.5°	1821.5	1821.5	1821.2	1820.2	1819.1
175°	1828.9	1832.6	1832.6	1832.6	1832.6
177.5°	1829.7	1832.6	1832.6	1832.6	1832.6
180°	1832.6	1832.6	1832.6	1832.6	1832.6



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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	10.65	11.37	11.75	12.47	13.98	13.49	14.20	14.59	15.30	16.82
	3H	11.12	11.76	12.23	12.86	14.40	14.83	15.47	15.94	16.57	18.11
	4H	11.30	11.91	12.42	13.02	14.55	15.26	15.87	16.39	16.98	18.52
	6H	11.41	11.97	12.54	13.08	14.63	15.54	16.10	16.67	17.21	18.76
	8H	11.41	11.94	12.54	13.07	14.61	15.61	16.15	16.75	17.27	18.82
	12H	11.37	11.88	12.51	13.00	14.57	15.65	16.15	16.79	17.27	18.84
4H	2H	11.67	12.27	12.80	13.38	14.92	13.88	14.49	15.01	15.60	17.13
	3H	12.68	13.19	13.82	14.32	15.87	15.37	15.88	16.51	17.01	18.57
	4H	12.95	13.42	14.09	14.54	16.11	15.90	16.36	17.04	17.49	19.06
	6H	13.07	13.47	14.21	14.61	16.17	16.26	16.65	17.40	17.80	19.36
	8H	13.07	13.44	14.21	14.58	16.16	16.36	16.73	17.50	17.87	19.45
	12H	13.03	13.37	14.19	14.52	16.10	16.41	16.75	17.57	17.90	19.48
8H	4H	13.39	13.77	14.54	14.90	16.48	16.01	16.38	17.15	17.52	19.10
	6H	13.65	13.96	14.81	15.14	16.71	16.44	16.75	17.61	17.93	19.50
	8H	13.69	13.96	14.86	15.12	16.71	16.59	16.86	17.76	18.02	19.62
	12H	13.67	13.90	14.84	15.06	16.69	16.69	16.92	17.86	18.08	19.71
12H	4H	13.39	13.73	14.55	14.88	16.46	15.97	16.30	17.13	17.45	19.04
	6H	13.71	13.98	14.88	15.14	16.73	16.44	16.71	17.61	17.87	19.46
	8H	13.77	14.00	14.94	15.16	16.79	16.59	16.83	17.77	17.99	19.62