

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: P935009

Luminaire Tested: SQ4-FA-100U-050D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935009
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

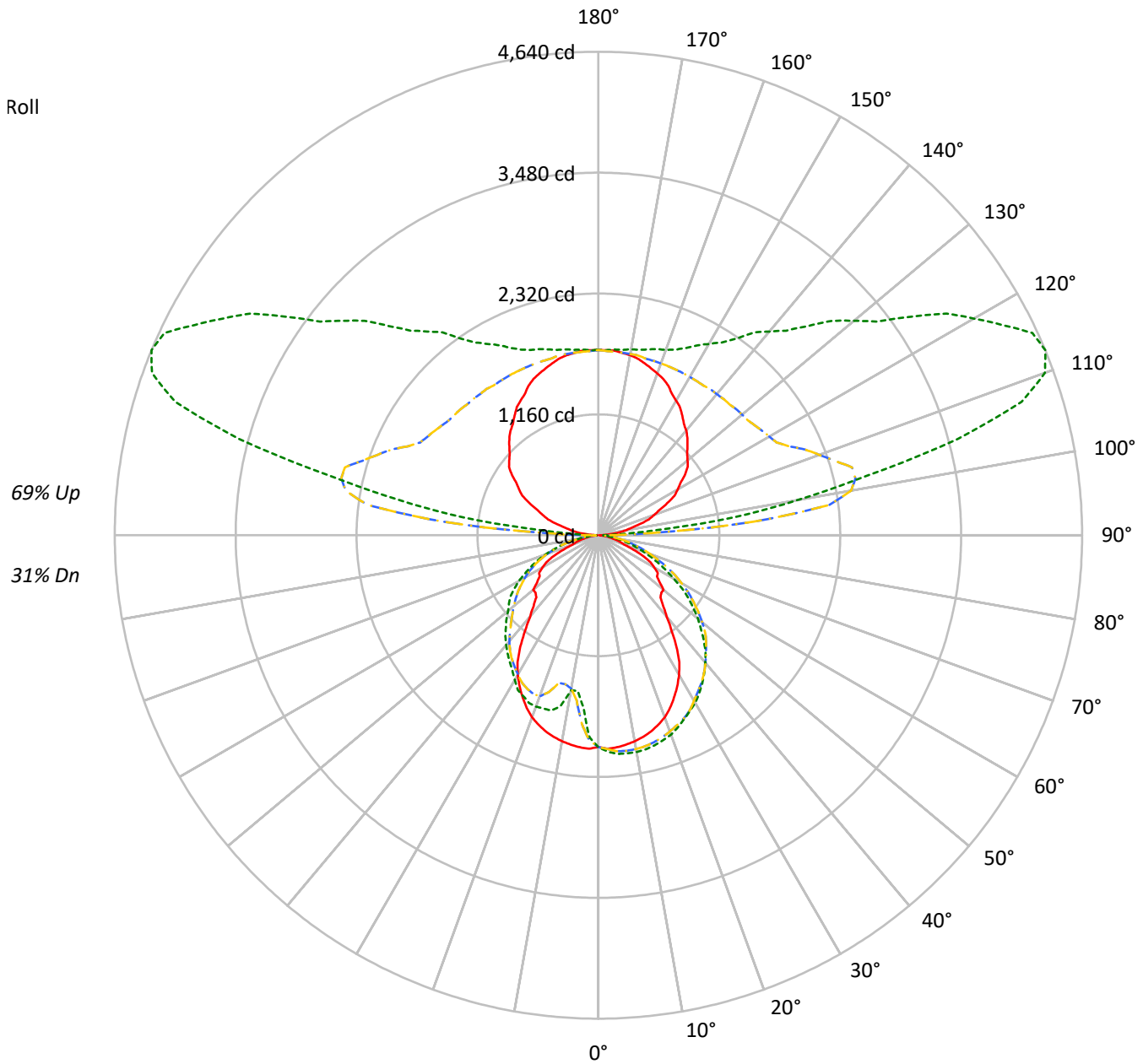
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16800.8 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: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6288	6288	6288	6288
5°	6338	6348	6338	4991
10°	6298	6253	6298	4470
15°	6231	6117	6231	5108
20°	6104	5957	6104	5119
25°	5839	5723	5839	5010
30°	5497	5529	5497	4773
35°	4903	5283	4903	4510
40°	4087	4993	4087	4313
45°	3654	4655	3654	4085
50°	3886	4250	3886	3857
55°	3660	3816	3660	3725
60°	3777	3241	3777	3412
65°	3430	2679	3430	2994
70°	2381	2135	2381	2510
75°	2096	1578	2096	1890
80°	1701	1043	1701	1136
85°	998	553	998	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5598 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	1.1
10°-20°	521.1	3.1
20°-30°	805.5	4.8
30°-40°	961.6	5.7
40°-50°	967.2	5.8
50°-60°	841.6	5.0
60°-70°	596.7	3.6
70°-80°	315.7	1.9
80°-90°	85.4	0.5
90°-100°	866.4	5.2
100°-110°	2277.9	13.6
110°-120°	2361.9	14.1
120°-130°	1894.6	11.3
130°-140°	1486.5	8.8
140°-150°	1141.0	6.8
150°-160°	821.7	4.9
160°-170°	502.8	3.0
170°-180°	169.9	1.0
0°-30°	1510.0	9.0
0°-40°	2471.6	14.7
0°-60°	4280.4	25.5
0°-90°	5278.2	31.4
90°-120°	5506.2	32.8
90°-150°	10028.3	59.7
90°-180°	11523.0	68.6
0°-180°	16800.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2033	2033	2033	2033	2033	
5°	2043	2106	2043	1656	2043	194
15°	1950	2087	1950	1743	1950	549
25°	1718	1946	1718	1704	1718	789
35°	1306	1737	1306	1483	1306	808
45°	842	1431	842	1256	842	675
55°	687	1056	687	1031	687	631
65°	477	637	477	712	477	456
75°	181	302	181	362	181	190
85°	31	77	31	65	31	42
90°	12	45	12	45	12	11
95°	114	524	114	524	114	127
105°	410	3567	410	3567	410	435
115°	729	4593	729	4593	729	720
125°	1014	3658	1014	3658	1014	900
135°	1208	2838	1208	2838	1208	935
145°	1402	2302	1402	2302	1402	878
155°	1584	1983	1584	1983	1584	728
165°	1709	1847	1709	1847	1709	482
175°	1778	1789	1778	1789	1778	169
180°	1778	1778	1778	1778	1778	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2050.3	2050.3	2061.9	2065.7	2065.7	2060.0	2054.3	2060.0	2077.3	2083.0	2081.1
5°	2042.7	2058.1	2079.2	2083.0	2086.9	2085.0	2081.1	2085.0	2104.3	2108.1	2110.0
7.5°	2027.3	2056.2	2083.0	2088.9	2094.6	2088.9	2086.9	2090.8	2110.0	2113.8	2113.8
10°	2008.1	2048.4	2079.2	2083.0	2088.9	2083.0	2083.0	2090.8	2110.0	2113.8	2115.8
12.5°	1981.1	2036.9	2065.7	2069.6	2077.3	2075.4	2073.5	2081.1	2100.4	2104.3	2104.3
15°	1950.3	2015.7	2042.7	2046.5	2060.0	2056.2	2056.2	2063.8	2085.0	2090.8	2088.9
17.5°	1908.1	1988.9	2019.6	2025.4	2035.0	2033.0	2035.0	2042.7	2061.9	2065.7	2067.7
20°	1860.0	1952.2	1988.9	1994.6	2004.3	2004.3	2004.3	2013.8	2033.0	2040.8	2040.8
22.5°	1794.6	1913.8	1952.2	1956.2	1967.6	1967.6	1971.6	1984.9	2002.2	2004.3	2004.3
25°	1717.6	1871.5	1904.2	1915.7	1927.3	1933.0	1938.9	1946.5	1952.2	1950.3	1952.2
27.5°	1636.9	1817.6	1860.0	1867.6	1883.0	1888.8	1896.5	1898.4	1900.3	1906.1	1902.2
30°	1546.4	1742.6	1806.1	1813.8	1838.8	1842.7	1834.9	1838.8	1848.4	1852.2	1856.1
32.5°	1444.5	1631.0	1750.3	1767.6	1790.7	1779.2	1777.2	1783.0	1798.4	1798.4	1802.3
35°	1306.0	1544.5	1698.4	1713.8	1731.1	1717.6	1725.3	1727.2	1736.9	1742.6	1740.7
37.5°	1154.1	1469.5	1644.5	1656.1	1669.6	1652.3	1663.7	1669.6	1677.2	1673.4	1673.4
40°	1019.4	1352.2	1581.0	1588.8	1600.2	1586.9	1598.3	1602.3	1606.1	1602.3	1600.2
42.5°	919.4	1223.3	1513.7	1523.4	1515.6	1525.3	1529.1	1536.9	1531.0	1523.4	1523.4
45°	842.4	1188.7	1440.7	1452.2	1440.7	1456.1	1461.8	1461.8	1444.5	1440.7	1438.7
47.5°	817.5	1119.5	1367.6	1367.6	1361.8	1381.0	1390.6	1377.2	1359.9	1354.1	1354.1
50°	815.6	1042.5	1267.6	1259.8	1286.8	1309.8	1300.3	1286.8	1273.3	1252.2	1252.2
52.5°	740.5	948.3	1138.7	1167.6	1209.8	1223.3	1207.9	1194.4	1171.4	1161.7	1154.1
55°	686.7	850.2	1021.3	1079.0	1123.3	1140.6	1111.7	1098.3	1063.6	1057.9	1054.1
57.5°	675.1	707.8	913.6	986.7	1040.6	1038.7	1021.3	996.3	967.5	961.7	959.8
60°	619.4	511.7	798.3	884.8	940.5	934.8	919.4	896.3	869.4	865.6	861.7
62.5°	561.6	371.2	667.4	765.6	844.3	842.4	829.0	794.3	775.1	765.6	757.8
65°	477.0	311.6	475.1	636.7	750.2	754.0	725.1	700.2	679.0	667.4	665.5
67.5°	363.6	253.9	321.2	530.9	659.7	655.9	619.4	607.8	580.9	575.1	563.6
70°	269.3	169.3	223.1	430.9	571.3	561.6	532.8	519.3	494.3	480.9	473.1
72.5°	223.1	136.5	163.5	334.7	480.9	469.3	444.3	429.0	407.7	396.3	388.5
75°	180.8	144.3	125.0	248.1	390.4	382.8	359.6	344.3	327.0	311.6	313.5
77.5°	132.7	134.6	100.0	182.7	309.6	298.2	284.7	265.5	257.7	242.3	242.3
80°	100.0	105.8	75.0	125.0	223.1	223.1	211.6	198.1	184.6	177.0	177.0
82.5°	67.3	67.3	55.7	78.9	151.9	146.2	138.5	134.6	127.0	123.1	123.1
85°	30.8	38.4	34.6	48.1	82.7	86.5	86.5	82.7	80.8	77.0	78.9
87.5°	9.7	17.3	21.1	27.0	42.4	44.3	46.2	46.2	46.2	48.1	48.1
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	209.9	230.2	323.7	448.3	510.6	447.5	321.3	226.7	217.7
95°	114.5	263.0	411.5	448.6	796.4	1260.4	1492.3	1331.7	1010.4	769.4	742.0
97.5°	198.0	329.0	459.9	492.7	1072.8	1846.3	2233.1	2131.6	1928.5	1776.2	1724.3
100°	262.4	381.2	499.9	529.6	1173.4	2031.8	2461.0	2468.5	2483.3	2494.4	2432.5
102.5°	317.3	428.1	538.9	566.6	1219.6	2090.2	2525.5	2654.8	2913.5	3107.6	3054.5
105°	410.4	504.2	598.1	621.5	1253.8	2096.8	2518.3	2808.3	3388.4	3823.3	3794.8
107.5°	505.8	593.3	680.8	702.7	1260.1	2003.4	2375.1	2779.7	3588.7	4195.5	4202.4
110°	570.3	649.2	728.2	748.0	1250.5	1920.7	2255.8	2708.1	3612.5	4290.9	4320.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.4	708.8	784.0	802.8	1251.0	1848.5	2147.3	2610.2	3535.9	4230.1	4275.7
115°	728.9	798.4	867.8	885.2	1262.5	1765.6	2017.3	2463.1	3354.9	4023.7	4086.9
117.5°	823.1	886.2	949.3	965.1	1286.0	1713.8	1927.8	2330.2	3135.0	3738.6	3808.7
120°	878.0	937.4	996.8	1011.6	1305.1	1696.4	1892.0	2259.7	2995.1	3546.6	3614.7
122.5°	931.7	991.7	1051.5	1066.5	1332.6	1687.2	1864.6	2195.6	2857.9	3354.5	3421.7
125°	1014.0	1068.6	1123.2	1136.9	1369.5	1679.7	1834.8	2116.0	2678.5	3100.4	3162.3
127.5°	1080.8	1135.9	1191.1	1204.8	1406.5	1675.3	1809.7	2051.2	2534.2	2896.4	2948.6
130°	1116.6	1176.0	1235.3	1250.2	1433.5	1678.0	1800.1	2015.2	2445.2	2767.6	2815.9
132.5°	1153.6	1213.0	1272.3	1287.2	1455.3	1679.6	1791.7	1984.2	2369.2	2657.9	2701.1
135°	1208.5	1262.5	1316.6	1330.1	1479.2	1678.1	1777.5	1938.7	2260.9	2502.7	2540.0
137.5°	1264.5	1318.0	1371.6	1385.0	1515.0	1688.4	1775.1	1911.3	2183.9	2388.3	2418.8
140°	1311.1	1360.4	1409.6	1422.0	1536.9	1690.1	1766.7	1884.4	2119.8	2296.4	2324.9
142.5°	1346.8	1392.4	1438.0	1449.4	1555.1	1696.1	1766.7	1870.1	2076.9	2232.0	2256.4
145°	1401.7	1441.5	1481.2	1491.2	1579.0	1696.2	1754.8	1839.3	2008.5	2135.3	2153.9
147.5°	1456.6	1495.3	1534.0	1543.7	1614.0	1707.9	1754.8	1821.4	1954.4	2054.3	2069.6
150°	1492.3	1527.3	1562.3	1571.1	1632.4	1714.0	1754.8	1811.0	1923.4	2007.7	2020.1
152.5°	1529.3	1555.8	1582.4	1589.0	1644.2	1717.9	1754.8	1802.8	1898.7	1970.7	1980.1
155°	1584.2	1603.8	1623.5	1628.4	1670.5	1726.7	1754.8	1793.0	1869.3	1926.5	1932.7
157.5°	1624.7	1643.8	1663.0	1667.7	1696.8	1735.5	1754.8	1784.5	1843.8	1888.4	1892.8
160°	1652.2	1667.1	1681.9	1685.6	1708.7	1739.4	1754.8	1780.3	1831.1	1869.3	1871.8
162.5°	1679.6	1690.7	1701.9	1704.6	1721.4	1743.6	1754.8	1776.2	1819.2	1851.4	1853.8
165°	1709.4	1719.5	1729.6	1732.1	1739.6	1749.8	1754.8	1770.2	1800.9	1824.0	1826.4
167.5°	1736.9	1741.6	1746.4	1747.7	1754.0	1762.5	1766.7	1776.8	1797.0	1812.1	1813.1
170°	1754.8	1759.6	1764.4	1765.5	1765.9	1766.4	1766.7	1776.8	1797.0	1812.1	1812.1
172.5°	1764.3	1765.3	1766.4	1766.7	1766.7	1766.7	1766.7	1774.6	1790.6	1802.5	1801.6
175°	1777.5	1777.5	1777.5	1777.5	1773.9	1769.1	1766.7	1771.8	1781.8	1789.3	1789.3
177.5°	1777.5	1777.5	1777.5	1777.5	1774.7	1771.0	1769.1	1773.1	1781.0	1787.0	1785.9
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2085.0	2079.2	2085.0	2081.1	2083.0	2077.3	2060.0	2054.3	2060.0	2065.7	2065.7
5°	2110.0	2106.2	2110.0	2110.0	2108.1	2104.3	2085.0	2081.1	2085.0	2086.9	2083.0
7.5°	2117.7	2111.9	2117.7	2113.8	2113.8	2110.0	2090.8	2086.9	2088.9	2094.6	2088.9
10°	2117.7	2111.9	2117.7	2115.8	2113.8	2110.0	2090.8	2083.0	2083.0	2088.9	2083.0
12.5°	2108.1	2104.3	2108.1	2104.3	2104.3	2100.4	2081.1	2073.5	2075.4	2077.3	2069.6
15°	2092.7	2086.9	2092.7	2088.9	2090.8	2085.0	2063.8	2056.2	2056.2	2060.0	2046.5
17.5°	2069.6	2061.9	2069.6	2067.7	2065.7	2061.9	2042.7	2035.0	2033.0	2035.0	2025.4
20°	2042.7	2036.9	2042.7	2040.8	2040.8	2033.0	2013.8	2004.3	2004.3	2004.3	1994.6
22.5°	2000.3	1994.6	2000.3	2004.3	2004.3	2002.2	1984.9	1971.6	1967.6	1967.6	1956.2
25°	1952.2	1946.5	1952.2	1952.2	1950.3	1952.2	1946.5	1938.9	1933.0	1927.3	1915.7
27.5°	1906.1	1902.2	1906.1	1902.2	1906.1	1900.3	1898.4	1896.5	1888.8	1883.0	1867.6
30°	1860.0	1856.1	1860.0	1856.1	1852.2	1848.4	1838.8	1834.9	1842.7	1838.8	1813.8
32.5°	1802.3	1798.4	1802.3	1802.3	1798.4	1798.4	1783.0	1777.2	1779.2	1790.7	1767.6
35°	1742.6	1736.9	1742.6	1740.7	1742.6	1736.9	1727.2	1725.3	1717.6	1731.1	1713.8
37.5°	1673.4	1667.6	1673.4	1673.4	1673.4	1677.2	1669.6	1663.7	1652.3	1669.6	1656.1
40°	1602.3	1594.5	1602.3	1600.2	1602.3	1606.1	1602.3	1598.3	1586.9	1600.2	1588.8
42.5°	1521.5	1519.5	1521.5	1523.4	1523.4	1531.0	1536.9	1529.1	1525.3	1515.6	1523.4
45°	1434.9	1431.0	1434.9	1438.7	1440.7	1444.5	1461.8	1461.8	1456.1	1440.7	1452.2
47.5°	1342.5	1333.0	1342.5	1354.1	1354.1	1359.9	1377.2	1390.6	1381.0	1361.8	1367.6
50°	1244.4	1246.3	1244.4	1252.2	1252.2	1273.3	1286.8	1300.3	1309.8	1286.8	1259.8
52.5°	1148.3	1146.3	1148.3	1154.1	1161.7	1171.4	1194.4	1207.9	1223.3	1209.8	1167.6
55°	1052.1	1056.0	1052.1	1054.1	1057.9	1063.6	1098.3	1111.7	1140.6	1123.3	1079.0
57.5°	955.9	950.2	955.9	959.8	961.7	967.5	996.3	1021.3	1038.7	1040.6	986.7
60°	844.3	836.7	844.3	861.7	865.6	869.4	896.3	919.4	934.8	940.5	884.8
62.5°	746.3	732.9	746.3	757.8	765.6	775.1	794.3	829.0	842.4	844.3	765.6
65°	642.4	636.7	642.4	665.5	667.4	679.0	700.2	725.1	754.0	750.2	636.7
67.5°	548.2	548.2	548.2	563.6	575.1	580.9	607.8	619.4	655.9	659.7	530.9
70°	461.7	459.7	461.7	473.1	480.9	494.3	519.3	532.8	561.6	571.3	430.9
72.5°	379.0	377.0	379.0	388.5	396.3	407.7	429.0	444.3	469.3	480.9	334.7
75°	305.8	302.0	305.8	313.5	311.6	327.0	344.3	359.6	382.8	390.4	248.1
77.5°	234.7	234.7	234.7	242.3	242.3	257.7	265.5	284.7	298.2	309.6	182.7
80°	175.0	173.1	175.0	177.0	177.0	184.6	198.1	211.6	223.1	223.1	125.0
82.5°	123.1	119.2	123.1	123.1	123.1	127.0	134.6	138.5	146.2	151.9	78.9
85°	77.0	77.0	77.0	78.9	77.0	80.8	82.7	86.5	86.5	82.7	48.1
87.5°	50.0	48.1	50.0	48.1	48.1	46.2	46.2	46.2	44.3	42.4	27.0
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.5	145.5	181.5	217.7	226.7	321.3	447.5	510.6	448.3	323.7	230.2
95°	632.9	523.7	632.9	742.0	769.4	1010.4	1331.7	1492.3	1260.4	796.4	448.6
97.5°	1516.5	1308.7	1516.5	1724.3	1776.2	1928.5	2131.6	2233.1	1846.3	1072.8	492.7
100°	2184.9	1937.3	2184.9	2432.5	2494.4	2483.3	2468.5	2461.0	2031.8	1173.4	529.6
102.5°	2842.5	2630.4	2842.5	3054.5	3107.6	2913.5	2654.8	2525.5	2090.2	1219.6	566.6
105°	3680.8	3566.8	3680.8	3794.8	3823.3	3388.4	2808.3	2518.3	2096.8	1253.8	621.5
107.5°	4230.0	4257.5	4230.0	4202.4	4195.5	3588.7	2779.7	2375.1	2003.4	1260.1	702.7
110°	4439.4	4558.2	4439.4	4320.6	4290.9	3612.5	2708.1	2255.8	1920.7	1250.5	748.0



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CATALOG NUMBER: SQ4-FA-100U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4458.1	4640.5	4458.1	4275.7	4230.1	3535.9	2610.2	2147.3	1848.5	1251.0	802.8
115°	4339.9	4592.7	4339.9	4086.9	4023.7	3354.9	2463.1	2017.3	1765.6	1262.5	885.2
117.5°	4089.2	4369.7	4089.2	3808.7	3738.6	3135.0	2330.2	1927.8	1713.8	1286.0	965.1
120°	3887.2	4159.7	3887.2	3614.7	3546.6	2995.1	2259.7	1892.0	1696.4	1305.1	1011.6
122.5°	3690.4	3959.3	3690.4	3421.7	3354.5	2857.9	2195.6	1864.6	1687.2	1332.6	1066.5
125°	3409.9	3657.5	3409.9	3162.3	3100.4	2678.5	2116.0	1834.8	1679.7	1369.5	1136.9
127.5°	3157.6	3366.5	3157.6	2948.6	2896.4	2534.2	2051.2	1809.7	1675.3	1406.5	1204.8
130°	3008.8	3201.8	3008.8	2815.9	2767.6	2445.2	2015.2	1800.1	1678.0	1433.5	1250.2
132.5°	2873.9	3046.8	2873.9	2701.1	2657.9	2369.2	1984.2	1791.7	1679.6	1455.3	1287.2
135°	2688.9	2838.0	2688.9	2540.0	2502.7	2260.9	1938.7	1777.5	1678.1	1479.2	1330.1
137.5°	2540.7	2662.7	2540.7	2418.8	2388.3	2183.9	1911.3	1775.1	1688.4	1515.0	1385.0
140°	2438.9	2552.9	2438.9	2324.9	2296.4	2119.8	1884.4	1766.7	1690.1	1536.9	1422.0
142.5°	2354.5	2452.6	2354.5	2256.4	2232.0	2076.9	1870.1	1766.7	1696.1	1555.1	1449.4
145°	2228.1	2302.3	2228.1	2153.9	2135.3	2008.5	1839.3	1754.8	1696.2	1579.0	1491.2
147.5°	2131.1	2192.6	2131.1	2069.6	2054.3	1954.4	1821.4	1754.8	1707.9	1614.0	1543.7
150°	2070.0	2119.8	2070.0	2020.1	2007.7	1923.4	1811.0	1754.8	1714.0	1632.4	1571.1
152.5°	2017.7	2055.4	2017.7	1980.1	1970.7	1898.7	1802.8	1754.8	1717.9	1644.2	1589.0
155°	1957.7	1982.6	1957.7	1932.7	1926.5	1869.3	1793.0	1754.8	1726.7	1670.5	1628.4
157.5°	1910.3	1927.8	1910.3	1892.8	1888.4	1843.8	1784.5	1754.8	1735.5	1696.8	1667.7
160°	1881.9	1892.0	1881.9	1871.8	1869.3	1831.1	1780.3	1754.8	1739.4	1708.7	1685.6
162.5°	1863.3	1872.9	1863.3	1853.8	1851.4	1819.2	1776.2	1754.8	1743.6	1721.4	1704.6
165°	1836.6	1846.6	1836.6	1826.4	1824.0	1800.9	1770.2	1754.8	1749.8	1739.6	1732.1
167.5°	1817.4	1821.6	1817.4	1813.1	1812.1	1797.0	1776.8	1766.7	1762.5	1754.0	1747.7
170°	1812.1	1812.1	1812.1	1812.1	1812.1	1797.0	1776.8	1766.7	1766.4	1765.9	1765.5
172.5°	1797.9	1794.1	1797.9	1801.6	1802.5	1790.6	1774.6	1766.7	1766.7	1766.7	1766.7
175°	1789.3	1789.3	1789.3	1789.3	1789.3	1781.8	1771.8	1766.7	1769.1	1773.9	1777.5
177.5°	1781.7	1777.5	1781.7	1785.9	1787.0	1781.0	1773.1	1769.1	1771.0	1774.7	1777.5
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2061.9	2050.3	2050.3	2031.1	2023.5	2017.6	2008.1	1979.2	1971.6	1963.8	1975.4
5°	2079.2	2058.1	2042.7	2008.1	1979.2	1967.6	1931.1	1861.9	1815.7	1781.1	1761.9
7.5°	2083.0	2056.2	2027.3	1973.5	1904.2	1873.4	1761.9	1635.0	1600.2	1569.6	1550.2
10°	2079.2	2048.4	2008.1	1927.3	1763.8	1709.9	1598.3	1515.6	1494.5	1488.8	1494.5
12.5°	2065.7	2036.9	1981.1	1846.5	1617.6	1581.0	1515.6	1467.6	1463.7	1473.4	1525.3
15°	2042.7	2015.7	1950.3	1738.8	1536.9	1509.9	1463.7	1446.4	1467.6	1534.9	1690.7
17.5°	2019.6	1988.9	1908.1	1633.0	1475.3	1456.1	1423.3	1458.0	1577.2	1667.6	1719.6
20°	1988.9	1952.2	1860.0	1556.1	1431.0	1413.7	1398.3	1554.2	1644.5	1677.2	1706.1
22.5°	1952.2	1913.8	1794.6	1502.2	1384.9	1371.4	1381.0	1608.0	1644.5	1667.6	1692.6
25°	1904.2	1871.5	1717.6	1459.9	1348.3	1333.0	1369.5	1602.3	1623.4	1629.1	1679.1
27.5°	1860.0	1817.6	1636.9	1421.4	1304.1	1298.3	1379.1	1577.2	1592.6	1598.3	1652.3
30°	1806.1	1742.6	1546.4	1381.0	1257.9	1256.0	1381.0	1546.4	1542.6	1558.0	1611.8
32.5°	1750.3	1631.0	1444.5	1331.0	1213.6	1211.7	1367.6	1500.3	1496.4	1517.6	1558.0
35°	1698.4	1544.5	1306.0	1273.3	1157.9	1159.8	1334.9	1446.4	1448.3	1467.6	1492.6
37.5°	1644.5	1469.5	1154.1	1209.8	1104.1	1104.1	1290.6	1396.4	1392.6	1398.3	1432.9
40°	1581.0	1352.2	1019.4	1127.1	1054.1	1048.3	1236.8	1342.5	1329.1	1327.2	1375.2
42.5°	1513.7	1223.3	919.4	1017.5	996.3	988.6	1171.4	1277.1	1252.2	1257.9	1319.5
45°	1440.7	1188.7	842.4	859.7	936.7	931.0	1100.2	1202.2	1184.9	1200.3	1263.7
47.5°	1367.6	1119.5	817.5	713.6	873.2	871.3	1021.3	1129.0	1119.5	1134.9	1202.2
50°	1267.6	1042.5	815.6	611.6	802.1	809.7	927.1	1057.9	1057.9	1071.4	1142.5
52.5°	1138.7	948.3	740.5	553.9	719.4	742.4	844.3	996.3	1000.2	1013.6	1077.1
55°	1021.3	850.2	686.7	509.7	621.3	671.3	763.6	932.9	940.5	954.0	1011.7
57.5°	913.6	707.8	675.1	457.7	530.9	579.0	692.4	871.3	875.1	886.7	942.5
60°	798.3	511.7	619.4	402.0	452.0	488.5	627.0	798.3	811.6	819.4	867.5
62.5°	667.4	371.2	561.6	363.6	413.6	421.2	573.2	728.9	746.3	752.1	781.0
65°	475.1	311.6	477.0	330.9	373.1	375.0	515.5	657.8	673.2	682.8	704.0
67.5°	321.2	253.9	363.6	300.1	342.3	344.3	459.7	575.1	596.3	604.0	617.4
70°	223.1	169.3	269.3	267.4	307.7	311.6	400.1	500.1	519.3	525.1	532.8
72.5°	163.5	136.5	223.1	240.4	271.2	275.0	338.5	415.5	434.7	440.4	444.3
75°	125.0	144.3	180.8	209.7	230.8	232.7	277.0	338.5	352.0	355.8	357.7
77.5°	100.0	134.6	132.7	169.3	188.5	184.6	217.4	261.6	273.1	273.1	273.1
80°	75.0	105.8	100.0	121.2	138.5	134.6	155.8	186.6	190.4	194.3	192.3
82.5°	55.7	67.3	67.3	77.0	92.3	88.5	103.8	121.2	121.2	121.2	125.0
85°	34.6	38.4	30.8	40.4	51.9	50.0	57.7	65.4	67.3	67.3	63.5
87.5°	21.1	17.3	9.7	15.4	23.0	23.0	27.0	28.9	27.0	27.0	27.0
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	209.9	128.8	47.7	128.8	209.9	230.2	323.7	448.3	510.6	447.5	321.3
95°	411.5	263.0	114.5	263.0	411.5	448.6	796.4	1260.4	1492.3	1331.7	1010.4
97.5°	459.9	329.0	198.0	329.0	459.9	492.7	1072.8	1846.3	2233.1	2131.6	1928.5
100°	499.9	381.2	262.4	381.2	499.9	529.6	1173.4	2031.8	2461.0	2468.5	2483.3
102.5°	538.9	428.1	317.3	428.1	538.9	566.6	1219.6	2090.2	2525.5	2654.8	2913.5
105°	598.1	504.2	410.4	504.2	598.1	621.5	1253.8	2096.8	2518.3	2808.3	3388.4
107.5°	680.8	593.3	505.8	593.3	680.8	702.7	1260.1	2003.4	2375.1	2779.7	3588.7
110°	728.2	649.2	570.3	649.2	728.2	748.0	1250.5	1920.7	2255.8	2708.1	3612.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	784.0	708.8	633.4	708.8	784.0	802.8	1251.0	1848.5	2147.3	2610.2	3535.9
115°	867.8	798.4	728.9	798.4	867.8	885.2	1262.5	1765.6	2017.3	2463.1	3354.9
117.5°	949.3	886.2	823.1	886.2	949.3	965.1	1286.0	1713.8	1927.8	2330.2	3135.0
120°	996.8	937.4	878.0	937.4	996.8	1011.6	1305.1	1696.4	1892.0	2259.7	2995.1
122.5°	1051.5	991.7	931.7	991.7	1051.5	1066.5	1332.6	1687.2	1864.6	2195.6	2857.9
125°	1123.2	1068.6	1014.0	1068.6	1123.2	1136.9	1369.5	1679.7	1834.8	2116.0	2678.5
127.5°	1191.1	1135.9	1080.8	1135.9	1191.1	1204.8	1406.5	1675.3	1809.7	2051.2	2534.2
130°	1235.3	1176.0	1116.6	1176.0	1235.3	1250.2	1433.5	1678.0	1800.1	2015.2	2445.2
132.5°	1272.3	1213.0	1153.6	1213.0	1272.3	1287.2	1455.3	1679.6	1791.7	1984.2	2369.2
135°	1316.6	1262.5	1208.5	1262.5	1316.6	1330.1	1479.2	1678.1	1777.5	1938.7	2260.9
137.5°	1371.6	1318.0	1264.5	1318.0	1371.6	1385.0	1515.0	1688.4	1775.1	1911.3	2183.9
140°	1409.6	1360.4	1311.1	1360.4	1409.6	1422.0	1536.9	1690.1	1766.7	1884.4	2119.8
142.5°	1438.0	1392.4	1346.8	1392.4	1438.0	1449.4	1555.1	1696.1	1766.7	1870.1	2076.9
145°	1481.2	1441.5	1401.7	1441.5	1481.2	1491.2	1579.0	1696.2	1754.8	1839.3	2008.5
147.5°	1534.0	1495.3	1456.6	1495.3	1534.0	1543.7	1614.0	1707.9	1754.8	1821.4	1954.4
150°	1562.3	1527.3	1492.3	1527.3	1562.3	1571.1	1632.4	1714.0	1754.8	1811.0	1923.4
152.5°	1582.4	1555.8	1529.3	1555.8	1582.4	1589.0	1644.2	1717.9	1754.8	1802.8	1898.7
155°	1623.5	1603.8	1584.2	1603.8	1623.5	1628.4	1670.5	1726.7	1754.8	1793.0	1869.3
157.5°	1663.0	1643.8	1624.7	1643.8	1663.0	1667.7	1696.8	1735.5	1754.8	1784.5	1843.8
160°	1681.9	1667.1	1652.2	1667.1	1681.9	1685.6	1708.7	1739.4	1754.8	1780.3	1831.1
162.5°	1701.9	1690.7	1679.6	1690.7	1701.9	1704.6	1721.4	1743.6	1754.8	1776.2	1819.2
165°	1729.6	1719.5	1709.4	1719.5	1729.6	1732.1	1739.6	1749.8	1754.8	1770.2	1800.9
167.5°	1746.4	1741.6	1736.9	1741.6	1746.4	1747.7	1754.0	1762.5	1766.7	1776.8	1797.0
170°	1764.4	1759.6	1754.8	1759.6	1764.4	1765.5	1765.9	1766.4	1766.7	1776.8	1797.0
172.5°	1766.4	1765.3	1764.3	1765.3	1766.4	1766.7	1766.7	1766.7	1766.7	1774.6	1790.6
175°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1773.9	1769.1	1766.7	1771.8	1781.8
177.5°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1774.7	1771.0	1769.1	1773.1	1781.0
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	1961.9	1956.2	1963.8	1942.7	1963.8	1956.2	1961.9	1975.4	1963.8	1971.6	1979.2
5°	1721.5	1711.8	1681.1	1656.1	1681.1	1711.8	1721.5	1761.9	1781.1	1815.7	1861.9
7.5°	1538.8	1531.0	1523.4	1508.0	1523.4	1531.0	1538.8	1550.2	1569.6	1600.2	1635.0
10°	1498.3	1500.3	1511.8	1509.9	1511.8	1500.3	1498.3	1494.5	1488.8	1494.5	1515.6
12.5°	1602.3	1619.6	1683.0	1679.1	1683.0	1619.6	1602.3	1525.3	1473.4	1463.7	1467.6
15°	1721.5	1727.2	1740.7	1742.6	1740.7	1727.2	1721.5	1690.7	1534.9	1467.6	1446.4
17.5°	1733.0	1734.9	1744.5	1744.5	1744.5	1734.9	1733.0	1719.6	1667.6	1577.2	1458.0
20°	1723.4	1727.2	1746.5	1750.3	1746.5	1727.2	1723.4	1706.1	1677.2	1644.5	1554.2
22.5°	1719.6	1727.2	1742.6	1740.7	1742.6	1727.2	1719.6	1692.6	1667.6	1644.5	1608.0
25°	1700.3	1700.3	1702.3	1704.2	1702.3	1700.3	1700.3	1679.1	1629.1	1623.4	1602.3
27.5°	1659.9	1663.7	1675.3	1673.4	1675.3	1663.7	1659.9	1652.3	1598.3	1592.6	1577.2
30°	1623.4	1619.6	1609.9	1602.3	1609.9	1619.6	1623.4	1611.8	1558.0	1542.6	1546.4
32.5°	1561.8	1552.2	1542.6	1536.9	1542.6	1552.2	1561.8	1558.0	1517.6	1496.4	1500.3
35°	1488.8	1490.7	1488.8	1482.9	1488.8	1490.7	1488.8	1492.6	1467.6	1448.3	1446.4
37.5°	1436.8	1440.7	1438.7	1431.0	1438.7	1440.7	1436.8	1432.9	1398.3	1392.6	1396.4
40°	1382.9	1384.9	1382.9	1377.2	1382.9	1384.9	1382.9	1375.2	1327.2	1329.1	1342.5
42.5°	1331.0	1329.1	1323.3	1319.5	1323.3	1329.1	1331.0	1319.5	1257.9	1252.2	1277.1
45°	1271.4	1273.3	1261.7	1256.0	1261.7	1273.3	1271.4	1263.7	1200.3	1184.9	1202.2
47.5°	1211.7	1211.7	1202.2	1196.3	1202.2	1211.7	1211.7	1202.2	1134.9	1119.5	1129.0
50°	1148.3	1146.3	1132.9	1130.9	1132.9	1146.3	1148.3	1142.5	1071.4	1057.9	1057.9
52.5°	1075.2	1075.2	1077.1	1080.9	1077.1	1075.2	1075.2	1077.1	1013.6	1000.2	996.3
55°	1011.7	1013.6	1027.1	1031.0	1027.1	1013.6	1011.7	1011.7	954.0	940.5	932.9
57.5°	946.3	946.3	955.9	955.9	955.9	946.3	946.3	942.5	886.7	875.1	871.3
60°	871.3	875.1	882.9	881.0	882.9	875.1	871.3	867.5	819.4	811.6	798.3
62.5°	792.4	796.3	798.3	794.3	798.3	796.3	792.4	781.0	752.1	746.3	728.9
65°	709.7	713.6	715.5	711.6	715.5	713.6	709.7	704.0	682.8	673.2	657.8
67.5°	625.1	623.2	621.3	629.0	621.3	623.2	625.1	617.4	604.0	596.3	575.1
70°	538.5	538.5	536.6	540.5	536.6	538.5	538.5	532.8	525.1	519.3	500.1
72.5°	446.3	444.3	452.0	446.3	452.0	444.3	446.3	444.3	440.4	434.7	415.5
75°	355.8	359.6	355.8	361.6	355.8	359.6	355.8	357.7	355.8	352.0	338.5
77.5°	271.2	275.0	271.2	271.2	271.2	275.0	271.2	273.1	273.1	273.1	261.6
80°	192.3	190.4	190.4	188.5	190.4	190.4	192.3	192.3	194.3	190.4	186.6
82.5°	123.1	121.2	121.2	125.0	121.2	121.2	123.1	125.0	121.2	121.2	121.2
85°	67.3	69.2	65.4	65.4	65.4	69.2	67.3	63.5	67.3	67.3	65.4
87.5°	25.0	23.0	23.0	23.0	23.0	23.0	25.0	27.0	27.0	27.0	28.9
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.7	217.7	181.5	145.5	181.5	217.7	226.7	321.3	447.5	510.6	448.3
95°	769.4	742.0	632.9	523.7	632.9	742.0	769.4	1010.4	1331.7	1492.3	1260.4
97.5°	1776.2	1724.3	1516.5	1308.7	1516.5	1724.3	1776.2	1928.5	2131.6	2233.1	1846.3
100°	2494.4	2432.5	2184.9	1937.3	2184.9	2432.5	2494.4	2483.3	2468.5	2461.0	2031.8
102.5°	3107.6	3054.5	2842.5	2630.4	2842.5	3054.5	3107.6	2913.5	2654.8	2525.5	2090.2
105°	3823.3	3794.8	3680.8	3566.8	3680.8	3794.8	3823.3	3388.4	2808.3	2518.3	2096.8
107.5°	4195.5	4202.4	4230.0	4257.5	4230.0	4202.4	4195.5	3588.7	2779.7	2375.1	2003.4
110°	4290.9	4320.6	4439.4	4558.2	4439.4	4320.6	4290.9	3612.5	2708.1	2255.8	1920.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4230.1	4275.7	4458.1	4640.5	4458.1	4275.7	4230.1	3535.9	2610.2	2147.3	1848.5
115°	4023.7	4086.9	4339.9	4592.7	4339.9	4086.9	4023.7	3354.9	2463.1	2017.3	1765.6
117.5°	3738.6	3808.7	4089.2	4369.7	4089.2	3808.7	3738.6	3135.0	2330.2	1927.8	1713.8
120°	3546.6	3614.7	3887.2	4159.7	3887.2	3614.7	3546.6	2995.1	2259.7	1892.0	1696.4
122.5°	3354.5	3421.7	3690.4	3959.3	3690.4	3421.7	3354.5	2857.9	2195.6	1864.6	1687.2
125°	3100.4	3162.3	3409.9	3657.5	3409.9	3162.3	3100.4	2678.5	2116.0	1834.8	1679.7
127.5°	2896.4	2948.6	3157.6	3366.5	3157.6	2948.6	2896.4	2534.2	2051.2	1809.7	1675.3
130°	2767.6	2815.9	3008.8	3201.8	3008.8	2815.9	2767.6	2445.2	2015.2	1800.1	1678.0
132.5°	2657.9	2701.1	2873.9	3046.8	2873.9	2701.1	2657.9	2369.2	1984.2	1791.7	1679.6
135°	2502.7	2540.0	2688.9	2838.0	2688.9	2540.0	2502.7	2260.9	1938.7	1777.5	1678.1
137.5°	2388.3	2418.8	2540.7	2662.7	2540.7	2418.8	2388.3	2183.9	1911.3	1775.1	1688.4
140°	2296.4	2324.9	2438.9	2552.9	2438.9	2324.9	2296.4	2119.8	1884.4	1766.7	1690.1
142.5°	2232.0	2256.4	2354.5	2452.6	2354.5	2256.4	2232.0	2076.9	1870.1	1766.7	1696.1
145°	2135.3	2153.9	2228.1	2302.3	2228.1	2153.9	2135.3	2008.5	1839.3	1754.8	1696.2
147.5°	2054.3	2069.6	2131.1	2192.6	2131.1	2069.6	2054.3	1954.4	1821.4	1754.8	1707.9
150°	2007.7	2020.1	2070.0	2119.8	2070.0	2020.1	2007.7	1923.4	1811.0	1754.8	1714.0
152.5°	1970.7	1980.1	2017.7	2055.4	2017.7	1980.1	1970.7	1898.7	1802.8	1754.8	1717.9
155°	1926.5	1932.7	1957.7	1982.6	1957.7	1932.7	1926.5	1869.3	1793.0	1754.8	1726.7
157.5°	1888.4	1892.8	1910.3	1927.8	1910.3	1892.8	1888.4	1843.8	1784.5	1754.8	1735.5
160°	1869.3	1871.8	1881.9	1892.0	1881.9	1871.8	1869.3	1831.1	1780.3	1754.8	1739.4
162.5°	1851.4	1853.8	1863.3	1872.9	1863.3	1853.8	1851.4	1819.2	1776.2	1754.8	1743.6
165°	1824.0	1826.4	1836.6	1846.6	1836.6	1826.4	1824.0	1800.9	1770.2	1754.8	1749.8
167.5°	1812.1	1813.1	1817.4	1821.6	1817.4	1813.1	1812.1	1797.0	1776.8	1766.7	1762.5
170°	1812.1	1812.1	1812.1	1812.1	1812.1	1812.1	1812.1	1797.0	1776.8	1766.7	1766.4
172.5°	1802.5	1801.6	1797.9	1794.1	1797.9	1801.6	1802.5	1790.6	1774.6	1766.7	1766.7
175°	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1781.8	1771.8	1766.7	1769.1
177.5°	1787.0	1785.9	1781.7	1777.5	1781.7	1785.9	1787.0	1781.0	1773.1	1769.1	1771.0
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2033.0	2033.0	2033.0	2033.0	2033.0
2.5°	2008.1	2017.6	2023.5	2031.1	2050.3
5°	1931.1	1967.6	1979.2	2008.1	2042.7
7.5°	1761.9	1873.4	1904.2	1973.5	2027.3
10°	1598.3	1709.9	1763.8	1927.3	2008.1
12.5°	1515.6	1581.0	1617.6	1846.5	1981.1
15°	1463.7	1509.9	1536.9	1738.8	1950.3
17.5°	1423.3	1456.1	1475.3	1633.0	1908.1
20°	1398.3	1413.7	1431.0	1556.1	1860.0
22.5°	1381.0	1371.4	1384.9	1502.2	1794.6
25°	1369.5	1333.0	1348.3	1459.9	1717.6
27.5°	1379.1	1298.3	1304.1	1421.4	1636.9
30°	1381.0	1256.0	1257.9	1381.0	1546.4
32.5°	1367.6	1211.7	1213.6	1331.0	1444.5
35°	1334.9	1159.8	1157.9	1273.3	1306.0
37.5°	1290.6	1104.1	1104.1	1209.8	1154.1
40°	1236.8	1048.3	1054.1	1127.1	1019.4
42.5°	1171.4	988.6	996.3	1017.5	919.4
45°	1100.2	931.0	936.7	859.7	842.4
47.5°	1021.3	871.3	873.2	713.6	817.5
50°	927.1	809.7	802.1	611.6	815.6
52.5°	844.3	742.4	719.4	553.9	740.5
55°	763.6	671.3	621.3	509.7	686.7
57.5°	692.4	579.0	530.9	457.7	675.1
60°	627.0	488.5	452.0	402.0	619.4
62.5°	573.2	421.2	413.6	363.6	561.6
65°	515.5	375.0	373.1	330.9	477.0
67.5°	459.7	344.3	342.3	300.1	363.6
70°	400.1	311.6	307.7	267.4	269.3
72.5°	338.5	275.0	271.2	240.4	223.1
75°	277.0	232.7	230.8	209.7	180.8
77.5°	217.4	184.6	188.5	169.3	132.7
80°	155.8	134.6	138.5	121.2	100.0
82.5°	103.8	88.5	92.3	77.0	67.3
85°	57.7	50.0	51.9	40.4	30.8
87.5°	27.0	23.0	23.0	15.4	9.7
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.7	230.2	209.9	128.8	47.7
95°	796.4	448.6	411.5	263.0	114.5
97.5°	1072.8	492.7	459.9	329.0	198.0
100°	1173.4	529.6	499.9	381.2	262.4
102.5°	1219.6	566.6	538.9	428.1	317.3
105°	1253.8	621.5	598.1	504.2	410.4
107.5°	1260.1	702.7	680.8	593.3	505.8
110°	1250.5	748.0	728.2	649.2	570.3



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CATALOG NUMBER: SQ4-FA-100U-050D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1251.0	802.8	784.0	708.8	633.4
115°	1262.5	885.2	867.8	798.4	728.9
117.5°	1286.0	965.1	949.3	886.2	823.1
120°	1305.1	1011.6	996.8	937.4	878.0
122.5°	1332.6	1066.5	1051.5	991.7	931.7
125°	1369.5	1136.9	1123.2	1068.6	1014.0
127.5°	1406.5	1204.8	1191.1	1135.9	1080.8
130°	1433.5	1250.2	1235.3	1176.0	1116.6
132.5°	1455.3	1287.2	1272.3	1213.0	1153.6
135°	1479.2	1330.1	1316.6	1262.5	1208.5
137.5°	1515.0	1385.0	1371.6	1318.0	1264.5
140°	1536.9	1422.0	1409.6	1360.4	1311.1
142.5°	1555.1	1449.4	1438.0	1392.4	1346.8
145°	1579.0	1491.2	1481.2	1441.5	1401.7
147.5°	1614.0	1543.7	1534.0	1495.3	1456.6
150°	1632.4	1571.1	1562.3	1527.3	1492.3
152.5°	1644.2	1589.0	1582.4	1555.8	1529.3
155°	1670.5	1628.4	1623.5	1603.8	1584.2
157.5°	1696.8	1667.7	1663.0	1643.8	1624.7
160°	1708.7	1685.6	1681.9	1667.1	1652.2
162.5°	1721.4	1704.6	1701.9	1690.7	1679.6
165°	1739.6	1732.1	1729.6	1719.5	1709.4
167.5°	1754.0	1747.7	1746.4	1741.6	1736.9
170°	1765.9	1765.5	1764.4	1759.6	1754.8
172.5°	1766.7	1766.7	1766.4	1765.3	1764.3
175°	1773.9	1777.5	1777.5	1777.5	1777.5
177.5°	1774.7	1777.5	1777.5	1777.5	1777.5
180°	1777.5	1777.5	1777.5	1777.5	1777.5



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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	9.18	9.89	10.28	10.99	12.51	12.03	12.74	13.13	13.84	15.36
	3H	9.64	10.28	10.75	11.39	12.92	13.37	14.01	14.48	15.12	16.65
	4H	9.83	10.43	10.95	11.54	13.08	13.81	14.42	14.93	15.53	17.06
	6H	9.94	10.50	11.07	11.61	13.16	14.09	14.65	15.22	15.76	17.31
	8H	9.93	10.47	11.07	11.59	13.13	14.17	14.70	15.30	15.82	17.37
	12H	9.90	10.41	11.04	11.53	13.09	14.20	14.71	15.34	15.83	17.39
4H	2H	10.20	10.80	11.32	11.91	13.45	12.42	13.03	13.55	14.13	15.67
	3H	11.21	11.72	12.34	12.85	14.40	13.92	14.42	15.05	15.56	17.11
	4H	11.48	11.95	12.62	13.07	14.64	14.44	14.91	15.58	16.03	17.60
	6H	11.60	11.99	12.74	13.14	14.70	14.80	15.20	15.95	16.35	17.91
	8H	11.60	11.97	12.74	13.11	14.69	14.91	15.28	16.05	16.42	18.00
	12H	11.56	11.90	12.72	13.05	14.63	14.96	15.30	16.12	16.45	18.03
8H	4H	11.92	12.30	13.07	13.43	15.01	14.55	14.93	15.70	16.07	17.64
	6H	12.18	12.49	13.34	13.67	15.24	14.99	15.30	16.15	16.48	18.05
	8H	12.22	12.49	13.39	13.65	15.24	15.14	15.41	16.31	16.57	18.17
	12H	12.20	12.43	13.37	13.59	15.22	15.24	15.48	16.41	16.63	18.26
12H	4H	11.92	12.26	13.08	13.41	14.99	14.51	14.85	15.67	16.00	17.58
	6H	12.24	12.51	13.41	13.67	15.26	14.99	15.25	16.16	16.41	18.01
	8H	12.30	12.54	13.47	13.69	15.32	15.14	15.38	16.32	16.54	18.16