

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: P935017

Luminaire Tested: SQ4-FA-100U-050D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935017
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-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

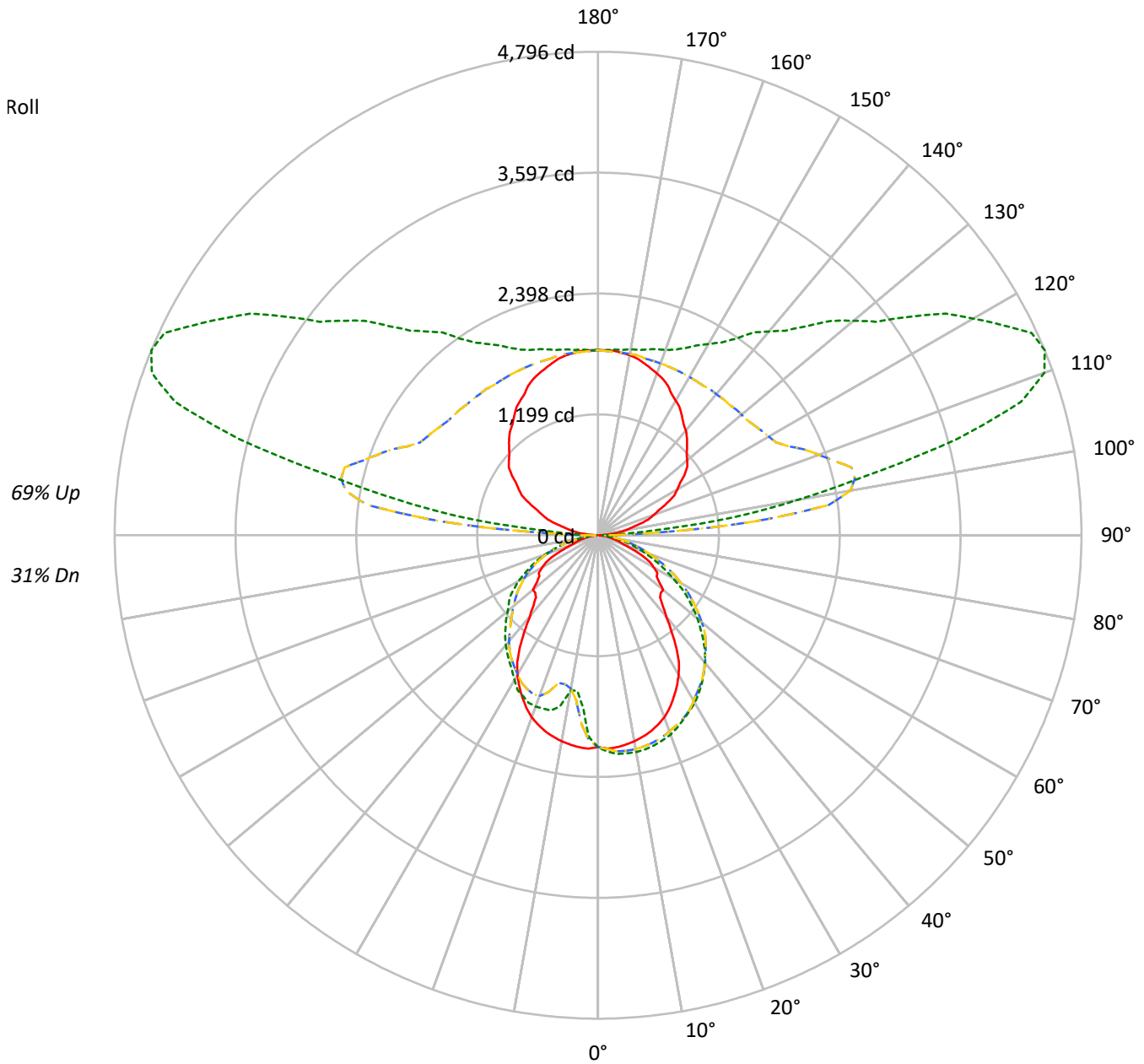
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17363.1 lumens
Efficiency: N/A
Efficacy: 140.5 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°	6499	6499	6499	6499
5°	6550	6561	6550	5158
10°	6509	6462	6509	4620
15°	6440	6322	6440	5279
20°	6308	6156	6308	5290
25°	6035	5915	6035	5178
30°	5681	5714	5681	4932
35°	5067	5460	5067	4662
40°	4224	5161	4224	4457
45°	3777	4810	3777	4222
50°	4016	4393	4016	3986
55°	3782	3943	3782	3850
60°	3903	3349	3903	3526
65°	3545	2769	3545	3095
70°	2460	2206	2460	2594
75°	2165	1631	2165	1953
80°	1757	1078	1757	1174
85°	1030	571	1030	486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5785 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	1.1
10°-20°	538.5	3.1
20°-30°	832.4	4.8
30°-40°	993.7	5.7
40°-50°	999.6	5.8
50°-60°	869.7	5.0
60°-70°	616.7	3.6
70°-80°	326.3	1.9
80°-90°	88.3	0.5
90°-100°	895.4	5.2
100°-110°	2354.1	13.6
110°-120°	2441.0	14.1
120°-130°	1958.0	11.3
130°-140°	1536.3	8.8
140°-150°	1179.2	6.8
150°-160°	849.2	4.9
160°-170°	519.6	3.0
170°-180°	175.5	1.0
0°-30°	1560.6	9.0
0°-40°	2554.3	14.7
0°-60°	4423.7	25.5
0°-90°	5454.8	31.4
90°-120°	5690.5	32.8
90°-150°	10364.0	59.7
90°-180°	11908.0	68.6
0°-180°	17363.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2101	2101	2101	2101	2101	
5°	2111	2177	2111	1712	2111	200
15°	2016	2157	2016	1801	2016	567
25°	1775	2012	1775	1761	1775	815
35°	1350	1795	1350	1533	1350	835
45°	871	1479	871	1298	871	697
55°	710	1091	710	1066	710	652
65°	493	658	493	736	493	471
75°	187	312	187	374	187	196
85°	32	80	32	68	32	43
90°	12	47	12	47	12	12
95°	118	541	118	541	118	131
105°	424	3686	424	3686	424	450
115°	753	4746	753	4746	753	744
125°	1048	3780	1048	3780	1048	930
135°	1249	2933	1249	2933	1249	966
145°	1449	2379	1449	2379	1449	908
155°	1637	2049	1637	2049	1637	752
165°	1767	1908	1767	1908	1767	499
175°	1837	1849	1837	1849	1837	174
180°	1837	1837	1837	1837	1837	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2119.0	2119.0	2130.9	2134.9	2134.9	2128.9	2123.0	2128.9	2146.8	2152.8	2150.8
5°	2111.1	2127.0	2148.8	2152.8	2156.8	2154.8	2150.8	2154.8	2174.7	2178.6	2180.6
7.5°	2095.2	2125.0	2152.8	2158.8	2164.7	2158.8	2156.8	2160.8	2180.6	2184.6	2184.6
10°	2075.3	2117.0	2148.8	2152.8	2158.8	2152.8	2152.8	2160.8	2180.6	2184.6	2186.6
12.5°	2047.4	2105.1	2134.9	2138.9	2146.8	2144.8	2142.9	2150.8	2170.7	2174.7	2174.7
15°	2015.6	2083.2	2111.1	2115.0	2128.9	2125.0	2125.0	2132.9	2154.8	2160.8	2158.8
17.5°	1971.9	2055.4	2087.2	2093.2	2103.2	2101.1	2103.2	2111.1	2130.9	2134.9	2136.9
20°	1922.3	2017.6	2055.4	2061.4	2071.3	2071.3	2071.3	2081.2	2101.1	2109.1	2109.1
22.5°	1854.7	1977.9	2017.6	2021.6	2033.5	2033.5	2037.6	2051.4	2069.3	2071.3	2071.3
25°	1775.1	1934.1	1967.9	1979.9	1991.8	1997.7	2003.8	2011.7	2017.6	2015.6	2017.6
27.5°	1691.7	1878.5	1922.3	1930.2	1946.1	1952.0	1960.0	1962.0	1963.9	1969.9	1965.9
30°	1598.2	1800.9	1866.5	1874.5	1900.3	1904.4	1896.4	1900.3	1910.3	1914.2	1918.2
32.5°	1492.9	1685.6	1808.9	1826.8	1850.6	1838.8	1836.7	1842.7	1858.6	1858.6	1862.6
35°	1349.7	1596.2	1755.3	1771.2	1789.1	1775.1	1783.0	1785.0	1795.0	1800.9	1799.0
37.5°	1192.7	1518.7	1699.6	1711.5	1725.4	1707.6	1719.4	1725.4	1733.3	1729.4	1729.4
40°	1053.5	1397.4	1634.0	1642.0	1653.8	1640.0	1651.8	1655.9	1659.8	1655.9	1653.8
42.5°	950.2	1264.2	1564.4	1574.4	1566.4	1576.4	1580.3	1588.3	1582.3	1574.4	1574.4
45°	870.6	1228.5	1488.9	1500.8	1488.9	1504.8	1510.8	1510.8	1492.9	1488.9	1486.8
47.5°	844.8	1156.9	1413.3	1413.3	1407.4	1427.3	1437.1	1423.3	1405.4	1399.4	1399.4
50°	842.9	1077.4	1310.0	1302.0	1329.8	1353.7	1343.8	1329.8	1315.9	1294.1	1294.1
52.5°	765.3	980.0	1176.8	1206.6	1250.3	1264.2	1248.3	1234.4	1210.6	1200.6	1192.7
55°	709.7	878.6	1055.5	1115.2	1160.9	1178.8	1148.9	1135.0	1099.2	1093.3	1089.4
57.5°	697.7	731.5	944.2	1019.7	1075.4	1073.5	1055.5	1029.7	999.9	993.9	992.0
60°	640.1	528.8	825.0	914.4	972.0	966.1	950.2	926.3	898.5	894.5	890.6
62.5°	580.4	383.6	689.7	791.2	872.6	870.6	856.8	820.9	801.1	791.2	783.2
65°	493.0	322.0	491.0	658.0	775.3	779.2	749.4	723.6	701.7	689.7	687.7
67.5°	375.7	262.4	332.0	548.6	681.8	677.9	640.1	628.2	600.3	594.4	582.4
70°	278.3	175.0	230.6	445.3	590.4	580.4	550.6	536.7	510.9	497.0	489.0
72.5°	230.6	141.1	168.9	345.9	497.0	485.0	459.2	443.3	421.4	409.5	401.5
75°	186.8	149.1	129.2	256.4	403.5	395.6	371.7	355.8	337.9	322.0	324.0
77.5°	137.1	139.1	103.3	188.8	320.0	308.2	294.2	274.4	266.4	250.5	250.5
80°	103.3	109.4	77.6	129.2	230.6	230.6	218.6	204.7	190.8	182.9	182.9
82.5°	69.6	69.6	57.6	81.5	157.0	151.1	143.2	139.1	131.2	127.3	127.3
85°	31.8	39.7	35.8	49.7	85.5	89.4	89.4	85.5	83.5	79.5	81.5
87.5°	10.0	17.9	21.8	27.9	43.8	45.7	47.7	47.7	47.7	49.7	49.7
90°	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4	46.8	46.8
92.5°	49.3	133.1	217.0	237.9	334.5	463.3	527.7	462.5	332.1	234.3	225.0
95°	118.4	271.8	425.2	463.6	823.1	1302.6	1542.3	1376.3	1044.2	795.1	766.9
97.5°	204.6	340.0	475.3	509.2	1108.7	1908.1	2307.9	2202.9	1993.1	1835.7	1782.1
100°	271.2	393.9	516.6	547.4	1212.7	2099.8	2543.4	2551.1	2566.4	2577.9	2514.0
102.5°	327.9	442.4	556.9	585.6	1260.4	2160.2	2610.0	2743.7	3011.0	3211.6	3156.8
105°	424.1	521.1	618.1	642.3	1295.8	2167.0	2602.6	2902.3	3501.8	3951.3	3921.9
107.5°	522.8	613.2	703.6	726.2	1302.3	2070.5	2454.6	2872.7	3708.9	4335.9	4343.1
110°	589.3	671.0	752.6	773.0	1292.4	1985.0	2331.3	2798.7	3733.5	4434.5	4465.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	654.6	732.5	810.3	829.7	1292.9	1910.4	2219.1	2697.5	3654.2	4371.7	4418.8
115°	753.3	825.1	896.8	914.8	1304.8	1824.7	2084.8	2545.6	3467.2	4158.4	4223.7
117.5°	850.7	915.9	981.1	997.4	1329.1	1771.2	1992.3	2408.2	3239.9	3863.8	3936.2
120°	907.4	968.7	1030.2	1045.5	1348.8	1753.2	1955.4	2335.3	3095.3	3665.3	3735.7
122.5°	962.9	1024.9	1086.7	1102.2	1377.2	1743.7	1927.0	2269.1	2953.5	3466.8	3536.2
125°	1048.0	1104.4	1160.8	1174.9	1415.3	1735.9	1896.2	2186.8	2768.2	3204.2	3268.1
127.5°	1116.9	1173.9	1230.9	1245.2	1453.5	1731.4	1870.3	2119.9	2619.0	2993.3	3047.3
130°	1154.0	1215.3	1276.7	1292.0	1481.5	1734.1	1860.4	2082.6	2527.0	2860.3	2910.2
132.5°	1192.2	1253.6	1314.9	1330.2	1504.0	1735.8	1851.7	2050.6	2448.5	2746.8	2791.5
135°	1248.9	1304.8	1360.7	1374.6	1528.7	1734.2	1837.0	2003.6	2336.6	2586.5	2625.0
137.5°	1306.8	1362.2	1417.5	1431.3	1565.7	1744.9	1834.5	1975.3	2257.0	2468.2	2499.7
140°	1354.9	1405.9	1456.8	1469.6	1588.3	1746.7	1825.8	1947.4	2190.8	2373.3	2402.7
142.5°	1391.9	1439.0	1486.1	1497.9	1607.2	1752.9	1825.8	1932.7	2146.4	2306.7	2332.0
145°	1448.6	1489.7	1530.8	1541.1	1631.9	1753.0	1813.6	1900.9	2075.7	2206.8	2226.0
147.5°	1505.3	1545.3	1585.3	1595.3	1668.0	1765.1	1813.6	1882.3	2019.9	2123.0	2138.9
150°	1542.3	1578.4	1614.6	1623.7	1687.0	1771.4	1813.6	1871.7	1987.8	2074.9	2087.7
152.5°	1580.5	1607.9	1635.3	1642.2	1699.3	1775.4	1813.6	1863.2	1962.3	2036.7	2046.3
155°	1637.2	1657.5	1677.8	1682.9	1726.4	1784.5	1813.6	1853.0	1931.8	1991.0	1997.4
157.5°	1679.1	1698.9	1718.6	1723.6	1753.6	1793.6	1813.6	1844.2	1905.6	1951.6	1956.1
160°	1707.5	1722.9	1738.2	1742.0	1765.9	1797.7	1813.6	1839.9	1892.4	1931.8	1934.4
162.5°	1735.8	1747.3	1758.8	1761.7	1779.0	1802.0	1813.6	1835.7	1880.1	1913.4	1915.8
165°	1766.6	1777.0	1787.5	1790.1	1797.9	1808.3	1813.6	1829.5	1861.2	1885.0	1887.6
167.5°	1795.0	1799.9	1804.9	1806.2	1812.7	1821.5	1825.8	1836.3	1857.1	1872.8	1873.8
170°	1813.6	1818.5	1823.5	1824.6	1825.0	1825.5	1825.8	1836.3	1857.1	1872.8	1872.8
172.5°	1823.4	1824.4	1825.5	1825.8	1825.8	1825.8	1825.8	1834.0	1850.5	1862.9	1861.9
175°	1837.0	1837.0	1837.0	1837.0	1833.2	1828.3	1825.8	1831.1	1841.4	1849.2	1849.2
177.5°	1837.0	1837.0	1837.0	1837.0	1834.1	1830.3	1828.3	1832.4	1840.6	1846.8	1845.7
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2154.8	2148.8	2154.8	2150.8	2152.8	2146.8	2128.9	2123.0	2128.9	2134.9	2134.9
5°	2180.6	2176.7	2180.6	2180.6	2178.6	2174.7	2154.8	2150.8	2154.8	2156.8	2152.8
7.5°	2188.6	2182.6	2188.6	2184.6	2184.6	2180.6	2160.8	2156.8	2158.8	2164.7	2158.8
10°	2188.6	2182.6	2188.6	2186.6	2184.6	2180.6	2160.8	2152.8	2152.8	2158.8	2152.8
12.5°	2178.6	2174.7	2178.6	2174.7	2174.7	2170.7	2150.8	2142.9	2144.8	2146.8	2138.9
15°	2162.7	2156.8	2162.7	2158.8	2160.8	2154.8	2132.9	2125.0	2125.0	2128.9	2115.0
17.5°	2138.9	2130.9	2138.9	2136.9	2134.9	2130.9	2111.1	2103.2	2101.1	2103.2	2093.2
20°	2111.1	2105.1	2111.1	2109.1	2109.1	2101.1	2081.2	2071.3	2071.3	2071.3	2061.4
22.5°	2067.3	2061.4	2067.3	2071.3	2071.3	2069.3	2051.4	2037.6	2033.5	2033.5	2021.6
25°	2017.6	2011.7	2017.6	2017.6	2015.6	2017.6	2011.7	2003.8	1997.7	1991.8	1979.9
27.5°	1969.9	1965.9	1969.9	1965.9	1969.9	1963.9	1962.0	1960.0	1952.0	1946.1	1930.2
30°	1922.3	1918.2	1922.3	1918.2	1914.2	1910.3	1900.3	1896.4	1904.4	1900.3	1874.5
32.5°	1862.6	1858.6	1862.6	1862.6	1858.6	1858.6	1842.7	1836.7	1838.8	1850.6	1826.8
35°	1800.9	1795.0	1800.9	1799.0	1800.9	1795.0	1785.0	1783.0	1775.1	1789.1	1771.2
37.5°	1729.4	1723.5	1729.4	1729.4	1729.4	1733.3	1725.4	1719.4	1707.6	1725.4	1711.5
40°	1655.9	1647.9	1655.9	1653.8	1655.9	1659.8	1655.9	1651.8	1640.0	1653.8	1642.0
42.5°	1572.4	1570.3	1572.4	1574.4	1574.4	1582.3	1588.3	1580.3	1576.4	1566.4	1574.4
45°	1482.9	1478.9	1482.9	1486.8	1488.9	1492.9	1510.8	1510.8	1504.8	1488.9	1500.8
47.5°	1387.4	1377.6	1387.4	1399.4	1399.4	1405.4	1423.3	1437.1	1427.3	1407.4	1413.3
50°	1286.1	1288.1	1286.1	1294.1	1294.1	1315.9	1329.8	1343.8	1353.7	1329.8	1302.0
52.5°	1186.7	1184.7	1186.7	1192.7	1200.6	1210.6	1234.4	1248.3	1264.2	1250.3	1206.6
55°	1087.3	1091.3	1087.3	1089.4	1093.3	1099.2	1135.0	1148.9	1178.8	1160.9	1115.2
57.5°	987.9	982.0	987.9	992.0	993.9	999.9	1029.7	1055.5	1073.5	1075.4	1019.7
60°	872.6	864.7	872.6	890.6	894.5	898.5	926.3	950.2	966.1	972.0	914.4
62.5°	771.2	757.4	771.2	783.2	791.2	801.1	820.9	856.8	870.6	872.6	791.2
65°	663.9	658.0	663.9	687.7	689.7	701.7	723.6	749.4	779.2	775.3	658.0
67.5°	566.5	566.5	566.5	582.4	594.4	600.3	628.2	640.1	677.9	681.8	548.6
70°	477.1	475.1	477.1	489.0	497.0	510.9	536.7	550.6	580.4	590.4	445.3
72.5°	391.6	389.6	391.6	401.5	409.5	421.4	443.3	459.2	485.0	497.0	345.9
75°	316.1	312.1	316.1	324.0	322.0	337.9	355.8	371.7	395.6	403.5	256.4
77.5°	242.6	242.6	242.6	250.5	250.5	266.4	274.4	294.2	308.2	320.0	188.8
80°	180.9	178.9	180.9	182.9	182.9	190.8	204.7	218.6	230.6	230.6	129.2
82.5°	127.3	123.2	127.3	127.3	127.3	131.2	139.1	143.2	151.1	157.0	81.5
85°	79.5	79.5	79.5	81.5	79.5	83.5	85.5	89.4	89.4	85.5	49.7
87.5°	51.7	49.7	51.7	49.7	49.7	47.7	47.7	47.7	45.7	43.8	27.9
90°	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5	54.2	34.5
92.5°	187.6	150.4	187.6	225.0	234.3	332.1	462.5	527.7	463.3	334.5	237.9
95°	654.1	541.2	654.1	766.9	795.1	1044.2	1376.3	1542.3	1302.6	823.1	463.6
97.5°	1567.3	1352.5	1567.3	1782.1	1835.7	1993.1	2202.9	2307.9	1908.1	1108.7	509.2
100°	2258.1	2002.2	2258.1	2514.0	2577.9	2566.4	2551.1	2543.4	2099.8	1212.7	547.4
102.5°	2937.6	2718.5	2937.6	3156.8	3211.6	3011.0	2743.7	2610.0	2160.2	1260.4	585.6
105°	3804.0	3686.2	3804.0	3921.9	3951.3	3501.8	2902.3	2602.6	2167.0	1295.8	642.3
107.5°	4371.6	4400.1	4371.6	4343.1	4335.9	3708.9	2872.7	2454.6	2070.5	1302.3	726.2
110°	4588.0	4710.8	4588.0	4465.3	4434.5	3733.5	2798.7	2331.3	1985.0	1292.4	773.0



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CATALOG NUMBER: SQ4-FA-100U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4607.3	4795.9	4607.3	4418.8	4371.7	3654.2	2697.5	2219.1	1910.4	1292.9	829.7
115°	4485.1	4746.5	4485.1	4223.7	4158.4	3467.2	2545.6	2084.8	1824.7	1304.8	914.8
117.5°	4226.1	4516.0	4226.1	3936.2	3863.8	3239.9	2408.2	1992.3	1771.2	1329.1	997.4
120°	4017.3	4299.0	4017.3	3735.7	3665.3	3095.3	2335.3	1955.4	1753.2	1348.8	1045.5
122.5°	3814.0	4091.8	3814.0	3536.2	3466.8	2953.5	2269.1	1927.0	1743.7	1377.2	1102.2
125°	3524.0	3779.9	3524.0	3268.1	3204.2	2768.2	2186.8	1896.2	1735.9	1415.3	1174.9
127.5°	3263.3	3479.1	3263.3	3047.3	2993.3	2619.0	2119.9	1870.3	1731.4	1453.5	1245.2
130°	3109.5	3309.0	3109.5	2910.2	2860.3	2527.0	2082.6	1860.4	1734.1	1481.5	1292.0
132.5°	2970.1	3148.8	2970.1	2791.5	2746.8	2448.5	2050.6	1851.7	1735.8	1504.0	1330.2
135°	2778.9	2933.0	2778.9	2625.0	2586.5	2336.6	2003.6	1837.0	1734.2	1528.7	1374.6
137.5°	2625.7	2751.8	2625.7	2499.7	2468.2	2257.0	1975.3	1834.5	1744.9	1565.7	1431.3
140°	2520.6	2638.4	2520.6	2402.7	2373.3	2190.8	1947.4	1825.8	1746.7	1588.3	1469.6
142.5°	2433.3	2534.7	2433.3	2332.0	2306.7	2146.4	1932.7	1825.8	1752.9	1607.2	1497.9
145°	2302.7	2379.4	2302.7	2226.0	2206.8	2075.7	1900.9	1813.6	1753.0	1631.9	1541.1
147.5°	2202.4	2266.0	2202.4	2138.9	2123.0	2019.9	1882.3	1813.6	1765.1	1668.0	1595.3
150°	2139.3	2190.8	2139.3	2087.7	2074.9	1987.8	1871.7	1813.6	1771.4	1687.0	1623.7
152.5°	2085.3	2124.2	2085.3	2046.3	2036.7	1962.3	1863.2	1813.6	1775.4	1699.3	1642.2
155°	2023.2	2049.0	2023.2	1997.4	1991.0	1931.8	1853.0	1813.6	1784.5	1726.4	1682.9
157.5°	1974.2	1992.3	1974.2	1956.1	1951.6	1905.6	1844.2	1813.6	1793.6	1753.6	1723.6
160°	1944.9	1955.4	1944.9	1934.4	1931.8	1892.4	1839.9	1813.6	1797.7	1765.9	1742.0
162.5°	1925.7	1935.6	1925.7	1915.8	1913.4	1880.1	1835.7	1813.6	1802.0	1779.0	1761.7
165°	1898.0	1908.4	1898.0	1887.6	1885.0	1861.2	1829.5	1813.6	1808.3	1797.9	1790.1
167.5°	1878.2	1882.5	1878.2	1873.8	1872.8	1857.1	1836.3	1825.8	1821.5	1812.7	1806.2
170°	1872.8	1872.8	1872.8	1872.8	1872.8	1857.1	1836.3	1825.8	1825.5	1825.0	1824.6
172.5°	1858.0	1854.2	1858.0	1861.9	1862.9	1850.5	1834.0	1825.8	1825.8	1825.8	1825.8
175°	1849.2	1849.2	1849.2	1849.2	1849.2	1841.4	1831.1	1825.8	1828.3	1833.2	1837.0
177.5°	1841.3	1837.0	1841.3	1845.7	1846.8	1840.6	1832.4	1828.3	1830.3	1834.1	1837.0
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2130.9	2119.0	2119.0	2099.1	2091.2	2085.2	2075.3	2045.5	2037.6	2029.5	2041.5
5°	2148.8	2127.0	2111.1	2075.3	2045.5	2033.5	1995.8	1924.2	1876.5	1840.7	1820.9
7.5°	2152.8	2125.0	2095.2	2039.5	1967.9	1936.1	1820.9	1689.7	1653.8	1622.1	1602.1
10°	2148.8	2117.0	2075.3	1991.8	1822.9	1767.1	1651.8	1566.4	1544.5	1538.6	1544.5
12.5°	2134.9	2105.1	2047.4	1908.3	1671.8	1634.0	1566.4	1516.7	1512.7	1522.7	1576.4
15°	2111.1	2083.2	2015.6	1797.0	1588.3	1560.4	1512.7	1494.8	1516.7	1586.2	1747.3
17.5°	2087.2	2055.4	1971.9	1687.7	1524.7	1504.8	1470.9	1506.8	1630.0	1723.5	1777.1
20°	2055.4	2017.6	1922.3	1608.2	1478.9	1461.1	1445.1	1606.2	1699.6	1733.3	1763.2
22.5°	2017.6	1977.9	1854.7	1552.4	1431.2	1417.3	1427.3	1661.8	1699.6	1723.5	1749.3
25°	1967.9	1934.1	1775.1	1508.8	1393.5	1377.6	1415.3	1655.9	1677.7	1683.7	1735.3
27.5°	1922.3	1878.5	1691.7	1469.0	1347.7	1341.8	1425.3	1630.0	1645.9	1651.8	1707.6
30°	1866.5	1800.9	1598.2	1427.3	1300.0	1298.0	1427.3	1598.2	1594.2	1610.1	1665.8
32.5°	1808.9	1685.6	1492.9	1375.6	1254.3	1252.3	1413.3	1550.5	1546.5	1568.4	1610.1
35°	1755.3	1596.2	1349.7	1315.9	1196.7	1198.6	1379.5	1494.8	1496.8	1516.7	1542.6
37.5°	1699.6	1518.7	1192.7	1250.3	1141.0	1141.0	1333.8	1443.2	1439.2	1445.1	1480.9
40°	1634.0	1397.4	1053.5	1164.9	1089.4	1083.3	1278.2	1387.4	1373.6	1371.6	1421.2
42.5°	1564.4	1264.2	950.2	1051.5	1029.7	1021.7	1210.6	1319.9	1294.1	1300.0	1363.6
45°	1488.9	1228.5	870.6	888.5	968.0	962.1	1137.0	1242.4	1224.5	1240.4	1306.0
47.5°	1413.3	1156.9	844.8	737.4	902.4	900.5	1055.5	1166.8	1156.9	1172.9	1242.4
50°	1310.0	1077.4	842.9	632.1	828.9	836.8	958.2	1093.3	1093.3	1107.3	1180.8
52.5°	1176.8	980.0	765.3	572.4	743.5	767.3	872.6	1029.7	1033.6	1047.6	1113.2
55°	1055.5	878.6	709.7	526.8	642.1	693.8	789.1	964.1	972.0	985.9	1045.6
57.5°	944.2	731.5	697.7	473.1	548.6	598.3	715.6	900.5	904.4	916.4	974.1
60°	825.0	528.8	640.1	415.5	467.1	504.9	648.0	825.0	838.8	846.8	896.5
62.5°	689.7	383.6	580.4	375.7	427.4	435.3	592.4	753.4	771.2	777.3	807.1
65°	491.0	322.0	493.0	341.9	385.6	387.6	532.7	679.8	695.7	705.6	727.6
67.5°	332.0	262.4	375.7	310.1	353.8	355.8	475.1	594.4	616.2	624.2	638.1
70°	230.6	175.0	278.3	276.3	318.0	322.0	413.5	516.8	536.7	542.7	550.6
72.5°	168.9	141.1	230.6	248.5	280.3	284.2	349.9	429.4	449.2	455.2	459.2
75°	129.2	149.1	186.8	216.7	238.5	240.5	286.2	349.9	363.8	367.7	369.7
77.5°	103.3	139.1	137.1	175.0	194.8	190.8	224.7	270.3	282.3	282.3	282.3
80°	77.6	109.4	103.3	125.3	143.2	139.1	161.0	192.9	196.8	200.8	198.8
82.5°	57.6	69.6	69.6	79.5	95.4	91.5	107.3	125.3	125.3	125.3	129.2
85°	35.8	39.7	31.8	41.8	53.6	51.7	59.7	67.6	69.6	69.6	65.6
87.5°	21.8	17.9	10.0	15.9	23.8	23.8	27.9	29.8	27.9	27.9	27.9
90°	32.0	22.2	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4
92.5°	217.0	133.1	49.3	133.1	217.0	237.9	334.5	463.3	527.7	462.5	332.1
95°	425.2	271.8	118.4	271.8	425.2	463.6	823.1	1302.6	1542.3	1376.3	1044.2
97.5°	475.3	340.0	204.6	340.0	475.3	509.2	1108.7	1908.1	2307.9	2202.9	1993.1
100°	516.6	393.9	271.2	393.9	516.6	547.4	1212.7	2099.8	2543.4	2551.1	2566.4
102.5°	556.9	442.4	327.9	442.4	556.9	585.6	1260.4	2160.2	2610.0	2743.7	3011.0
105°	618.1	521.1	424.1	521.1	618.1	642.3	1295.8	2167.0	2602.6	2902.3	3501.8
107.5°	703.6	613.2	522.8	613.2	703.6	726.2	1302.3	2070.5	2454.6	2872.7	3708.9
110°	752.6	671.0	589.3	671.0	752.6	773.0	1292.4	1985.0	2331.3	2798.7	3733.5



TEST NUMBER: P935017

CATALOG NUMBER: SQ4-FA-100U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	810.3	732.5	654.6	732.5	810.3	829.7	1292.9	1910.4	2219.1	2697.5	3654.2
115°	896.8	825.1	753.3	825.1	896.8	914.8	1304.8	1824.7	2084.8	2545.6	3467.2
117.5°	981.1	915.9	850.7	915.9	981.1	997.4	1329.1	1771.2	1992.3	2408.2	3239.9
120°	1030.2	968.7	907.4	968.7	1030.2	1045.5	1348.8	1753.2	1955.4	2335.3	3095.3
122.5°	1086.7	1024.9	962.9	1024.9	1086.7	1102.2	1377.2	1743.7	1927.0	2269.1	2953.5
125°	1160.8	1104.4	1048.0	1104.4	1160.8	1174.9	1415.3	1735.9	1896.2	2186.8	2768.2
127.5°	1230.9	1173.9	1116.9	1173.9	1230.9	1245.2	1453.5	1731.4	1870.3	2119.9	2619.0
130°	1276.7	1215.3	1154.0	1215.3	1276.7	1292.0	1481.5	1734.1	1860.4	2082.6	2527.0
132.5°	1314.9	1253.6	1192.2	1253.6	1314.9	1330.2	1504.0	1735.8	1851.7	2050.6	2448.5
135°	1360.7	1304.8	1248.9	1304.8	1360.7	1374.6	1528.7	1734.2	1837.0	2003.6	2336.6
137.5°	1417.5	1362.2	1306.8	1362.2	1417.5	1431.3	1565.7	1744.9	1834.5	1975.3	2257.0
140°	1456.8	1405.9	1354.9	1405.9	1456.8	1469.6	1588.3	1746.7	1825.8	1947.4	2190.8
142.5°	1486.1	1439.0	1391.9	1439.0	1486.1	1497.9	1607.2	1752.9	1825.8	1932.7	2146.4
145°	1530.8	1489.7	1448.6	1489.7	1530.8	1541.1	1631.9	1753.0	1813.6	1900.9	2075.7
147.5°	1585.3	1545.3	1505.3	1545.3	1585.3	1595.3	1668.0	1765.1	1813.6	1882.3	2019.9
150°	1614.6	1578.4	1542.3	1578.4	1614.6	1623.7	1687.0	1771.4	1813.6	1871.7	1987.8
152.5°	1635.3	1607.9	1580.5	1607.9	1635.3	1642.2	1699.3	1775.4	1813.6	1863.2	1962.3
155°	1677.8	1657.5	1637.2	1657.5	1677.8	1682.9	1726.4	1784.5	1813.6	1853.0	1931.8
157.5°	1718.6	1698.9	1679.1	1698.9	1718.6	1723.6	1753.6	1793.6	1813.6	1844.2	1905.6
160°	1738.2	1722.9	1707.5	1722.9	1738.2	1742.0	1765.9	1797.7	1813.6	1839.9	1892.4
162.5°	1758.8	1747.3	1735.8	1747.3	1758.8	1761.7	1779.0	1802.0	1813.6	1835.7	1880.1
165°	1787.5	1777.0	1766.6	1777.0	1787.5	1790.1	1797.9	1808.3	1813.6	1829.5	1861.2
167.5°	1804.9	1799.9	1795.0	1799.9	1804.9	1806.2	1812.7	1821.5	1825.8	1836.3	1857.1
170°	1823.5	1818.5	1813.6	1818.5	1823.5	1824.6	1825.0	1825.5	1825.8	1836.3	1857.1
172.5°	1825.5	1824.4	1823.4	1824.4	1825.5	1825.8	1825.8	1825.8	1825.8	1834.0	1850.5
175°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1833.2	1828.3	1825.8	1831.1	1841.4
177.5°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1834.1	1830.3	1828.3	1832.4	1840.6
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



TEST NUMBER: P935017

CATALOG NUMBER: SQ4-FA-100U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2027.6	2021.6	2029.5	2007.7	2029.5	2021.6	2027.6	2041.5	2029.5	2037.6	2045.5
5°	1779.1	1769.1	1737.4	1711.5	1737.4	1769.1	1779.1	1820.9	1840.7	1876.5	1924.2
7.5°	1590.3	1582.3	1574.4	1558.5	1574.4	1582.3	1590.3	1602.1	1622.1	1653.8	1689.7
10°	1548.5	1550.5	1562.4	1560.4	1562.4	1550.5	1548.5	1544.5	1538.6	1544.5	1566.4
12.5°	1655.9	1673.8	1739.4	1735.3	1739.4	1673.8	1655.9	1576.4	1522.7	1512.7	1516.7
15°	1779.1	1785.0	1799.0	1800.9	1799.0	1785.0	1779.1	1747.3	1586.2	1516.7	1494.8
17.5°	1791.0	1793.0	1802.9	1802.9	1802.9	1793.0	1791.0	1777.1	1723.5	1630.0	1506.8
20°	1781.1	1785.0	1805.0	1808.9	1805.0	1785.0	1781.1	1763.2	1733.3	1699.6	1606.2
22.5°	1777.1	1785.0	1800.9	1799.0	1800.9	1785.0	1777.1	1749.3	1723.5	1699.6	1661.8
25°	1757.3	1757.3	1759.2	1761.2	1759.2	1757.3	1757.3	1735.3	1683.7	1677.7	1655.9
27.5°	1715.5	1719.4	1731.4	1729.4	1731.4	1719.4	1715.5	1707.6	1651.8	1645.9	1630.0
30°	1677.7	1673.8	1663.8	1655.9	1663.8	1673.8	1677.7	1665.8	1610.1	1594.2	1598.2
32.5°	1614.1	1604.1	1594.2	1588.3	1594.2	1604.1	1614.1	1610.1	1568.4	1546.5	1550.5
35°	1538.6	1540.6	1538.6	1532.6	1538.6	1540.6	1538.6	1542.6	1516.7	1496.8	1494.8
37.5°	1484.9	1488.9	1486.8	1478.9	1486.8	1488.9	1484.9	1480.9	1445.1	1439.2	1443.2
40°	1429.2	1431.2	1429.2	1423.3	1429.2	1431.2	1429.2	1421.2	1371.6	1373.6	1387.4
42.5°	1375.6	1373.6	1367.6	1363.6	1367.6	1373.6	1375.6	1363.6	1300.0	1294.1	1319.9
45°	1313.9	1315.9	1304.0	1298.0	1304.0	1315.9	1313.9	1306.0	1240.4	1224.5	1242.4
47.5°	1252.3	1252.3	1242.4	1236.4	1242.4	1252.3	1252.3	1242.4	1172.9	1156.9	1166.8
50°	1186.7	1184.7	1170.8	1168.8	1170.8	1184.7	1186.7	1180.8	1107.3	1093.3	1093.3
52.5°	1111.2	1111.2	1113.2	1117.1	1113.2	1111.2	1111.2	1113.2	1047.6	1033.6	1029.7
55°	1045.6	1047.6	1061.5	1065.5	1061.5	1047.6	1045.6	1045.6	985.9	972.0	964.1
57.5°	978.0	978.0	987.9	987.9	987.9	978.0	978.0	974.1	916.4	904.4	900.5
60°	900.5	904.4	912.4	910.4	912.4	904.4	900.5	896.5	846.8	838.8	825.0
62.5°	819.0	823.0	825.0	820.9	825.0	823.0	819.0	807.1	777.3	771.2	753.4
65°	733.5	737.4	739.4	735.5	739.4	737.4	733.5	727.6	705.6	695.7	679.8
67.5°	646.1	644.1	642.1	650.0	642.1	644.1	646.1	638.1	624.2	616.2	594.4
70°	556.5	556.5	554.6	558.6	554.6	556.5	556.5	550.6	542.7	536.7	516.8
72.5°	461.2	459.2	467.1	461.2	467.1	459.2	461.2	459.2	455.2	449.2	429.4
75°	367.7	371.7	367.7	373.7	367.7	371.7	367.7	369.7	367.7	363.8	349.9
77.5°	280.3	284.2	280.3	280.3	280.3	284.2	280.3	282.3	282.3	282.3	270.3
80°	198.8	196.8	196.8	194.8	196.8	196.8	198.8	198.8	200.8	196.8	192.9
82.5°	127.3	125.3	125.3	129.2	125.3	125.3	127.3	129.2	125.3	125.3	125.3
85°	69.6	71.5	67.6	67.6	67.6	71.5	69.6	65.6	69.6	69.6	67.6
87.5°	25.9	23.8	23.8	23.8	23.8	23.8	25.9	27.9	27.9	27.9	29.8
90°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5
92.5°	234.3	225.0	187.6	150.4	187.6	225.0	234.3	332.1	462.5	527.7	463.3
95°	795.1	766.9	654.1	541.2	654.1	766.9	795.1	1044.2	1376.3	1542.3	1302.6
97.5°	1835.7	1782.1	1567.3	1352.5	1567.3	1782.1	1835.7	1993.1	2202.9	2307.9	1908.1
100°	2577.9	2514.0	2258.1	2002.2	2258.1	2514.0	2577.9	2566.4	2551.1	2543.4	2099.8
102.5°	3211.6	3156.8	2937.6	2718.5	2937.6	3156.8	3211.6	3011.0	2743.7	2610.0	2160.2
105°	3951.3	3921.9	3804.0	3686.2	3804.0	3921.9	3951.3	3501.8	2902.3	2602.6	2167.0
107.5°	4335.9	4343.1	4371.6	4400.1	4371.6	4343.1	4335.9	3708.9	2872.7	2454.6	2070.5
110°	4434.5	4465.3	4588.0	4710.8	4588.0	4465.3	4434.5	3733.5	2798.7	2331.3	1985.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4371.7	4418.8	4607.3	4795.9	4607.3	4418.8	4371.7	3654.2	2697.5	2219.1	1910.4
115°	4158.4	4223.7	4485.1	4746.5	4485.1	4223.7	4158.4	3467.2	2545.6	2084.8	1824.7
117.5°	3863.8	3936.2	4226.1	4516.0	4226.1	3936.2	3863.8	3239.9	2408.2	1992.3	1771.2
120°	3665.3	3735.7	4017.3	4299.0	4017.3	3735.7	3665.3	3095.3	2335.3	1955.4	1753.2
122.5°	3466.8	3536.2	3814.0	4091.8	3814.0	3536.2	3466.8	2953.5	2269.1	1927.0	1743.7
125°	3204.2	3268.1	3524.0	3779.9	3524.0	3268.1	3204.2	2768.2	2186.8	1896.2	1735.9
127.5°	2993.3	3047.3	3263.3	3479.1	3263.3	3047.3	2993.3	2619.0	2119.9	1870.3	1731.4
130°	2860.3	2910.2	3109.5	3309.0	3109.5	2910.2	2860.3	2527.0	2082.6	1860.4	1734.1
132.5°	2746.8	2791.5	2970.1	3148.8	2970.1	2791.5	2746.8	2448.5	2050.6	1851.7	1735.8
135°	2586.5	2625.0	2778.9	2933.0	2778.9	2625.0	2586.5	2336.6	2003.6	1837.0	1734.2
137.5°	2468.2	2499.7	2625.7	2751.8	2625.7	2499.7	2468.2	2257.0	1975.3	1834.5	1744.9
140°	2373.3	2402.7	2520.6	2638.4	2520.6	2402.7	2373.3	2190.8	1947.4	1825.8	1746.7
142.5°	2306.7	2332.0	2433.3	2534.7	2433.3	2332.0	2306.7	2146.4	1932.7	1825.8	1752.9
145°	2206.8	2226.0	2302.7	2379.4	2302.7	2226.0	2206.8	2075.7	1900.9	1813.6	1753.0
147.5°	2123.0	2138.9	2202.4	2266.0	2202.4	2138.9	2123.0	2019.9	1882.3	1813.6	1765.1
150°	2074.9	2087.7	2139.3	2190.8	2139.3	2087.7	2074.9	1987.8	1871.7	1813.6	1771.4
152.5°	2036.7	2046.3	2085.3	2124.2	2085.3	2046.3	2036.7	1962.3	1863.2	1813.6	1775.4
155°	1991.0	1997.4	2023.2	2049.0	2023.2	1997.4	1991.0	1931.8	1853.0	1813.6	1784.5
157.5°	1951.6	1956.1	1974.2	1992.3	1974.2	1956.1	1951.6	1905.6	1844.2	1813.6	1793.6
160°	1931.8	1934.4	1944.9	1955.4	1944.9	1934.4	1931.8	1892.4	1839.9	1813.6	1797.7
162.5°	1913.4	1915.8	1925.7	1935.6	1925.7	1915.8	1913.4	1880.1	1835.7	1813.6	1802.0
165°	1885.0	1887.6	1898.0	1908.4	1898.0	1887.6	1885.0	1861.2	1829.5	1813.6	1808.3
167.5°	1872.8	1873.8	1878.2	1882.5	1878.2	1873.8	1872.8	1857.1	1836.3	1825.8	1821.5
170°	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1857.1	1836.3	1825.8	1825.5
172.5°	1862.9	1861.9	1858.0	1854.2	1858.0	1861.9	1862.9	1850.5	1834.0	1825.8	1825.8
175°	1849.2	1849.2	1849.2	1849.2	1849.2	1849.2	1849.2	1841.4	1831.1	1825.8	1828.3
177.5°	1846.8	1845.7	1841.3	1837.0	1841.3	1845.7	1846.8	1840.6	1832.4	1828.3	1830.3
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2101.1	2101.1	2101.1	2101.1	2101.1
2.5°	2075.3	2085.2	2091.2	2099.1	2119.0
5°	1995.8	2033.5	2045.5	2075.3	2111.1
7.5°	1820.9	1936.1	1967.9	2039.5	2095.2
10°	1651.8	1767.1	1822.9	1991.8	2075.3
12.5°	1566.4	1634.0	1671.8	1908.3	2047.4
15°	1512.7	1560.4	1588.3	1797.0	2015.6
17.5°	1470.9	1504.8	1524.7	1687.7	1971.9
20°	1445.1	1461.1	1478.9	1608.2	1922.3
22.5°	1427.3	1417.3	1431.2	1552.4	1854.7
25°	1415.3	1377.6	1393.5	1508.8	1775.1
27.5°	1425.3	1341.8	1347.7	1469.0	1691.7
30°	1427.3	1298.0	1300.0	1427.3	1598.2
32.5°	1413.3	1252.3	1254.3	1375.6	1492.9
35°	1379.5	1198.6	1196.7	1315.9	1349.7
37.5°	1333.8	1141.0	1141.0	1250.3	1192.7
40°	1278.2	1083.3	1089.4	1164.9	1053.5
42.5°	1210.6	1021.7	1029.7	1051.5	950.2
45°	1137.0	962.1	968.0	888.5	870.6
47.5°	1055.5	900.5	902.4	737.4	844.8
50°	958.2	836.8	828.9	632.1	842.9
52.5°	872.6	767.3	743.5	572.4	765.3
55°	789.1	693.8	642.1	526.8	709.7
57.5°	715.6	598.3	548.6	473.1	697.7
60°	648.0	504.9	467.1	415.5	640.1
62.5°	592.4	435.3	427.4	375.7	580.4
65°	532.7	387.6	385.6	341.9	493.0
67.5°	475.1	355.8	353.8	310.1	375.7
70°	413.5	322.0	318.0	276.3	278.3
72.5°	349.9	284.2	280.3	248.5	230.6
75°	286.2	240.5	238.5	216.7	186.8
77.5°	224.7	190.8	194.8	175.0	137.1
80°	161.0	139.1	143.2	125.3	103.3
82.5°	107.3	91.5	95.4	79.5	69.6
85°	59.7	51.7	53.6	41.8	31.8
87.5°	27.9	23.8	23.8	15.9	10.0
90°	54.2	34.5	32.0	22.2	12.4
92.5°	334.5	237.9	217.0	133.1	49.3
95°	823.1	463.6	425.2	271.8	118.4
97.5°	1108.7	509.2	475.3	340.0	204.6
100°	1212.7	547.4	516.6	393.9	271.2
102.5°	1260.4	585.6	556.9	442.4	327.9
105°	1295.8	642.3	618.1	521.1	424.1
107.5°	1302.3	726.2	703.6	613.2	522.8
110°	1292.4	773.0	752.6	671.0	589.3



TEST NUMBER: P935017

CATALOG NUMBER: SQ4-FA-100U-050D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1292.9	829.7	810.3	732.5	654.6
115°	1304.8	914.8	896.8	825.1	753.3
117.5°	1329.1	997.4	981.1	915.9	850.7
120°	1348.8	1045.5	1030.2	968.7	907.4
122.5°	1377.2	1102.2	1086.7	1024.9	962.9
125°	1415.3	1174.9	1160.8	1104.4	1048.0
127.5°	1453.5	1245.2	1230.9	1173.9	1116.9
130°	1481.5	1292.0	1276.7	1215.3	1154.0
132.5°	1504.0	1330.2	1314.9	1253.6	1192.2
135°	1528.7	1374.6	1360.7	1304.8	1248.9
137.5°	1565.7	1431.3	1417.5	1362.2	1306.8
140°	1588.3	1469.6	1456.8	1405.9	1354.9
142.5°	1607.2	1497.9	1486.1	1439.0	1391.9
145°	1631.9	1541.1	1530.8	1489.7	1448.6
147.5°	1668.0	1595.3	1585.3	1545.3	1505.3
150°	1687.0	1623.7	1614.6	1578.4	1542.3
152.5°	1699.3	1642.2	1635.3	1607.9	1580.5
155°	1726.4	1682.9	1677.8	1657.5	1637.2
157.5°	1753.6	1723.6	1718.6	1698.9	1679.1
160°	1765.9	1742.0	1738.2	1722.9	1707.5
162.5°	1779.0	1761.7	1758.8	1747.3	1735.8
165°	1797.9	1790.1	1787.5	1777.0	1766.6
167.5°	1812.7	1806.2	1804.9	1799.9	1795.0
170°	1825.0	1824.6	1823.5	1818.5	1813.6
172.5°	1825.8	1825.8	1825.5	1824.4	1823.4
175°	1833.2	1837.0	1837.0	1837.0	1837.0
177.5°	1834.1	1837.0	1837.0	1837.0	1837.0
180°	1837.0	1837.0	1837.0	1837.0	1837.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.29	10.01	10.39	11.11	12.62	12.14	12.86	13.24	13.96	15.47
	3H	9.76	10.40	10.87	11.50	13.03	13.48	14.12	14.59	15.23	16.76
	4H	9.94	10.55	11.06	11.66	13.19	13.92	14.53	15.05	15.64	17.18
	6H	10.05	10.61	11.18	11.72	13.27	14.21	14.77	15.34	15.88	17.43
	8H	10.05	10.58	11.18	11.71	13.25	14.28	14.81	15.41	15.94	17.48
	12H	10.01	10.52	11.15	11.64	13.20	14.32	14.82	15.45	15.94	17.51
4H	2H	10.31	10.92	11.44	12.03	13.56	12.53	13.14	13.66	14.25	15.79
	3H	11.32	11.83	12.46	12.96	14.51	14.03	14.54	15.16	15.67	17.22
	4H	11.59	12.06	12.73	13.18	14.75	14.56	15.02	15.69	16.15	17.72
	6H	11.71	12.11	12.85	13.26	14.82	14.92	15.32	16.06	16.47	18.03
	8H	11.71	12.08	12.86	13.22	14.80	15.03	15.40	16.17	16.54	18.11
	12H	11.67	12.01	12.83	13.16	14.74	15.08	15.42	16.24	16.57	18.15
8H	4H	12.04	12.41	13.18	13.55	15.13	14.67	15.04	15.81	16.18	17.76
	6H	12.29	12.60	13.46	13.78	15.36	15.11	15.41	16.27	16.59	18.17
	8H	12.34	12.60	13.51	13.76	15.36	15.26	15.53	16.43	16.69	18.28
	12H	12.31	12.55	13.49	13.70	15.33	15.36	15.59	16.53	16.75	18.38
12H	4H	12.04	12.38	13.20	13.53	15.11	14.63	14.96	15.79	16.11	17.70
	6H	12.35	12.62	13.52	13.78	15.38	15.10	15.37	16.27	16.53	18.12
	8H	12.41	12.65	13.59	13.81	15.43	15.26	15.49	16.43	16.65	18.28