

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: P935078

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935078
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-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

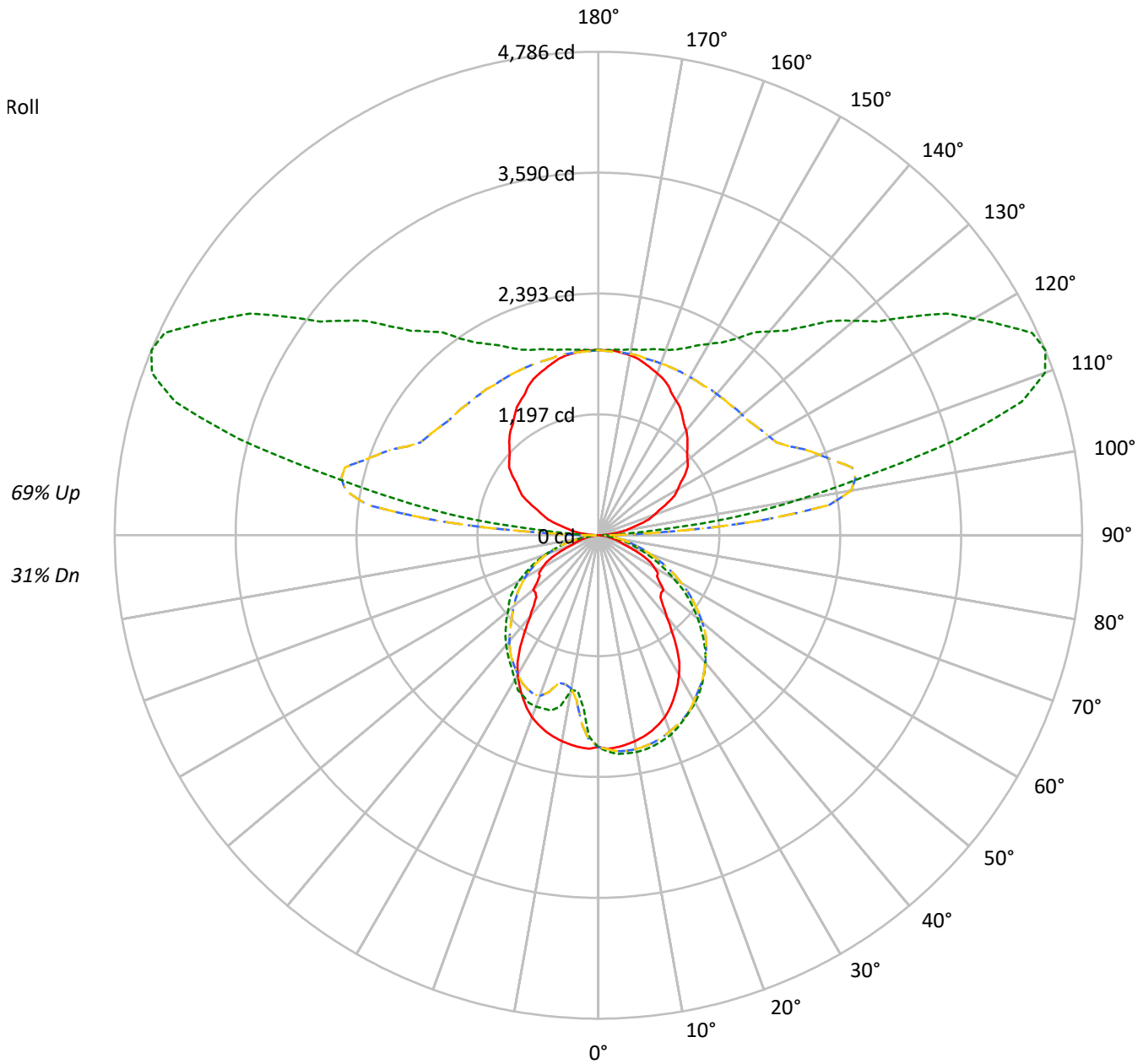
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17328.0 lumens
Efficiency: N/A
Efficacy: 140.2 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				
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°	6486	6486	6486	6486
5°	6537	6547	6537	5148
10°	6495	6449	6495	4611
15°	6427	6309	6427	5269
20°	6295	6144	6295	5280
25°	6022	5903	6022	5167
30°	5669	5702	5669	4922
35°	5057	5449	5057	4652
40°	4216	5150	4216	4448
45°	3769	4801	3769	4214
50°	4008	4384	4008	3978
55°	3774	3935	3774	3842
60°	3895	3342	3895	3519
65°	3538	2763	3538	3088
70°	2456	2202	2456	2589
75°	2162	1628	2162	1949
80°	1754	1076	1754	1172
85°	1027	570	1027	484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5774 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.1
10°-20°	537.4	3.1
20°-30°	830.7	4.8
30°-40°	991.7	5.7
40°-50°	997.6	5.8
50°-60°	868.0	5.0
60°-70°	615.4	3.6
70°-80°	325.6	1.9
80°-90°	88.1	0.5
90°-100°	893.6	5.2
100°-110°	2349.4	13.6
110°-120°	2436.0	14.1
120°-130°	1954.0	11.3
130°-140°	1533.2	8.8
140°-150°	1176.8	6.8
150°-160°	847.5	4.9
160°-170°	518.5	3.0
170°-180°	175.2	1.0
0°-30°	1557.4	9.0
0°-40°	2549.2	14.7
0°-60°	4414.7	25.5
0°-90°	5443.8	31.4
90°-120°	5679.0	32.8
90°-150°	10343.0	59.7
90°-180°	11884.0	68.6
0°-180°	17328.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2097	2097	2097	2097	2097	
5°	2107	2172	2107	1708	2107	200
15°	2012	2152	2012	1797	2012	566
25°	1772	2008	1772	1758	1772	813
35°	1347	1791	1347	1530	1347	833
45°	869	1476	869	1295	869	696
55°	708	1089	708	1063	708	651
65°	492	657	492	734	492	470
75°	186	312	186	373	186	196
85°	32	79	32	67	32	43
90°	12	47	12	47	12	11
95°	118	540	118	540	118	131
105°	423	3679	423	3679	423	449
115°	752	4737	752	4737	752	742
125°	1046	3772	1046	3772	1046	929
135°	1246	2927	1246	2927	1246	964
145°	1446	2375	1446	2375	1446	906
155°	1634	2045	1634	2045	1634	751
165°	1763	1905	1763	1905	1763	498
175°	1833	1846	1833	1846	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°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2114.7	2114.7	2126.6	2130.5	2130.5	2124.6	2118.7	2124.6	2142.5	2148.4	2146.4
5°	2106.8	2122.7	2144.5	2148.4	2152.4	2150.5	2146.4	2150.5	2170.3	2174.2	2176.2
7.5°	2090.9	2120.7	2148.4	2154.4	2160.3	2154.4	2152.4	2156.4	2176.2	2180.1	2180.1
10°	2071.1	2112.7	2144.5	2148.4	2154.4	2148.4	2148.4	2156.4	2176.2	2180.1	2182.2
12.5°	2043.3	2100.9	2130.5	2134.6	2142.5	2140.5	2138.5	2146.4	2166.3	2170.3	2170.3
15°	2011.5	2079.0	2106.8	2110.7	2124.6	2120.7	2120.7	2128.6	2150.5	2156.4	2154.4
17.5°	1968.0	2051.3	2083.0	2088.9	2098.9	2096.8	2098.9	2106.8	2126.6	2130.5	2132.6
20°	1918.4	2013.5	2051.3	2057.2	2067.1	2067.1	2067.1	2077.0	2096.8	2104.8	2104.8
22.5°	1850.9	1973.9	2013.5	2017.6	2029.4	2029.4	2033.4	2047.2	2065.1	2067.1	2067.1
25°	1771.5	1930.2	1963.9	1975.8	1987.8	1993.7	1999.7	2007.6	2013.5	2011.5	2013.5
27.5°	1688.2	1874.7	1918.4	1926.2	1942.1	1948.0	1956.0	1958.0	1960.0	1965.9	1961.9
30°	1595.0	1797.3	1862.8	1870.7	1896.5	1900.5	1892.5	1896.5	1906.4	1910.4	1914.3
32.5°	1489.8	1682.2	1805.3	1823.1	1846.9	1835.0	1833.0	1839.0	1854.9	1854.9	1858.8
35°	1347.0	1593.0	1751.7	1767.6	1785.4	1771.5	1779.4	1781.4	1791.4	1797.3	1795.3
37.5°	1190.3	1515.6	1696.1	1708.0	1722.0	1704.1	1715.9	1722.0	1729.8	1725.9	1725.9
40°	1051.4	1394.6	1630.6	1638.6	1650.5	1636.7	1648.5	1652.5	1656.5	1652.5	1650.5
42.5°	948.2	1261.7	1561.2	1571.2	1563.2	1573.2	1577.1	1585.1	1579.1	1571.2	1571.2
45°	868.9	1226.0	1485.9	1497.7	1485.9	1501.8	1507.7	1507.7	1489.8	1485.9	1483.8
47.5°	843.1	1154.6	1410.5	1410.5	1404.6	1424.4	1434.2	1420.4	1402.6	1396.6	1396.6
50°	841.2	1075.2	1307.3	1299.4	1327.2	1350.9	1341.1	1327.2	1313.3	1291.5	1291.5
52.5°	763.8	978.0	1174.4	1204.2	1247.8	1261.7	1245.8	1231.9	1208.1	1198.2	1190.3
55°	708.2	876.8	1053.3	1112.9	1158.6	1176.4	1146.6	1132.7	1097.0	1091.1	1087.2
57.5°	696.3	730.0	942.3	1017.7	1073.3	1071.3	1053.3	1027.6	997.8	991.9	989.9
60°	638.8	527.7	823.3	912.5	970.0	964.1	948.2	924.5	896.7	892.7	888.8
62.5°	579.3	382.9	688.3	789.6	870.8	868.9	855.1	819.3	799.4	789.6	781.6
65°	492.0	321.3	490.0	656.7	773.7	777.7	747.9	722.1	700.3	688.3	686.4
67.5°	375.0	261.9	331.3	547.5	680.4	676.5	638.8	626.9	599.1	593.2	581.2
70°	277.8	174.6	230.1	444.4	589.2	579.3	549.5	535.6	509.9	496.0	488.0
72.5°	230.1	140.8	168.6	345.2	496.0	484.0	458.3	442.4	420.5	408.7	400.7
75°	186.5	148.8	129.0	255.9	402.7	394.8	370.9	355.1	337.2	321.3	323.3
77.5°	136.9	138.8	103.1	188.4	319.4	307.5	293.6	273.8	265.8	250.0	250.0
80°	103.1	109.2	77.4	129.0	230.1	230.1	218.2	204.3	190.4	182.5	182.5
82.5°	69.4	69.4	57.5	81.3	156.7	150.8	142.9	138.8	130.9	127.0	127.0
85°	31.7	39.6	35.7	49.6	85.3	89.2	89.2	85.3	83.3	79.4	81.3
87.5°	10.0	17.8	21.8	27.8	43.7	45.7	47.6	47.6	47.6	49.6	49.6
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	333.9	462.3	526.6	461.5	331.4	233.8	224.5
95°	118.1	271.2	424.4	462.6	821.4	1299.9	1539.1	1373.5	1042.1	793.5	765.3
97.5°	204.2	339.3	474.4	508.2	1106.5	1904.3	2303.2	2198.5	1989.1	1832.0	1778.4
100°	270.7	393.1	515.6	546.2	1210.2	2095.5	2538.3	2546.0	2561.2	2572.7	2508.9
102.5°	327.3	441.5	555.8	584.4	1257.8	2155.8	2604.7	2738.1	3004.9	3205.1	3150.4
105°	423.3	520.0	616.8	641.0	1293.1	2162.6	2597.3	2896.5	3494.7	3943.3	3913.9
107.5°	521.7	611.9	702.1	724.7	1299.6	2066.3	2449.6	2866.9	3701.3	4327.2	4334.3
110°	588.1	669.6	751.0	771.4	1289.8	1981.0	2326.6	2793.0	3725.9	4425.6	4456.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	653.3	731.0	808.6	828.0	1290.3	1906.5	2214.7	2692.1	3646.8	4362.9	4409.9
115°	751.7	823.4	895.0	912.9	1302.1	1821.0	2080.6	2540.4	3460.2	4150.0	4215.2
117.5°	848.9	914.0	979.1	995.4	1326.4	1767.6	1988.3	2403.3	3233.4	3856.0	3928.2
120°	905.5	966.8	1028.1	1043.4	1346.1	1749.7	1951.4	2330.6	3089.0	3657.9	3728.2
122.5°	961.0	1022.8	1084.5	1100.0	1374.4	1740.2	1923.1	2264.5	2947.5	3459.8	3529.1
125°	1045.9	1102.2	1158.5	1172.6	1412.4	1732.4	1892.3	2182.4	2762.6	3197.7	3261.5
127.5°	1114.7	1171.6	1228.5	1242.7	1450.6	1727.9	1866.5	2115.6	2613.7	2987.3	3041.1
130°	1151.6	1212.9	1274.1	1289.4	1478.5	1730.6	1856.6	2078.4	2521.9	2854.5	2904.3
132.5°	1189.8	1251.0	1312.3	1327.6	1501.0	1732.3	1848.0	2046.4	2443.5	2741.3	2785.8
135°	1246.4	1302.1	1357.9	1371.8	1525.6	1730.7	1833.3	1999.5	2331.9	2581.2	2619.7
137.5°	1304.2	1359.4	1414.6	1428.4	1562.5	1741.4	1830.8	1971.3	2252.4	2463.2	2494.7
140°	1352.2	1403.1	1453.9	1466.6	1585.1	1743.1	1822.1	1943.5	2186.4	2368.5	2397.9
142.5°	1389.1	1436.1	1483.1	1494.9	1603.9	1749.4	1822.1	1928.8	2142.1	2302.0	2327.3
145°	1445.7	1486.7	1527.7	1538.0	1628.6	1749.5	1809.9	1897.1	2071.5	2202.3	2221.5
147.5°	1502.3	1542.2	1582.1	1592.1	1664.7	1761.5	1809.9	1878.5	2015.8	2118.7	2134.6
150°	1539.1	1575.2	1611.3	1620.4	1683.6	1767.8	1809.9	1867.9	1983.7	2070.7	2083.5
152.5°	1577.3	1604.6	1632.0	1638.8	1695.8	1771.8	1809.9	1859.4	1958.3	2032.5	2042.2
155°	1633.9	1654.1	1674.4	1679.5	1722.9	1780.9	1809.9	1849.2	1927.9	1987.0	1993.4
157.5°	1675.7	1695.4	1715.1	1720.1	1750.1	1790.0	1809.9	1840.5	1901.7	1947.6	1952.2
160°	1704.0	1719.4	1734.7	1738.5	1762.3	1794.0	1809.9	1836.1	1888.6	1927.9	1930.5
162.5°	1732.3	1743.7	1755.3	1758.1	1775.4	1798.4	1809.9	1832.0	1876.3	1909.5	1912.0
165°	1763.1	1773.4	1783.9	1786.4	1794.2	1804.7	1809.9	1825.8	1857.4	1881.2	1883.8
167.5°	1791.4	1796.3	1801.2	1802.5	1809.0	1817.8	1822.1	1832.6	1853.4	1869.0	1870.0
170°	1809.9	1814.8	1819.8	1820.9	1821.3	1821.8	1822.1	1832.6	1853.4	1869.0	1869.0
172.5°	1819.7	1820.7	1821.8	1822.1	1822.1	1822.1	1822.1	1830.3	1846.8	1859.1	1858.1
175°	1833.3	1833.3	1833.3	1833.3	1829.5	1824.6	1822.1	1827.4	1837.7	1845.5	1845.5
177.5°	1833.3	1833.3	1833.3	1833.3	1830.4	1826.6	1824.6	1828.7	1836.9	1843.0	1841.9
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2150.5	2144.5	2150.5	2146.4	2148.4	2142.5	2124.6	2118.7	2124.6	2130.5	2130.5
5°	2176.2	2172.3	2176.2	2176.2	2174.2	2170.3	2150.5	2146.4	2150.5	2152.4	2148.4
7.5°	2184.2	2178.2	2184.2	2180.1	2180.1	2176.2	2156.4	2152.4	2154.4	2160.3	2154.4
10°	2184.2	2178.2	2184.2	2182.2	2180.1	2176.2	2156.4	2148.4	2148.4	2154.4	2148.4
12.5°	2174.2	2170.3	2174.2	2170.3	2170.3	2166.3	2146.4	2138.5	2140.5	2142.5	2134.6
15°	2158.4	2152.4	2158.4	2154.4	2156.4	2150.5	2128.6	2120.7	2120.7	2124.6	2110.7
17.5°	2134.6	2126.6	2134.6	2132.6	2130.5	2126.6	2106.8	2098.9	2096.8	2098.9	2088.9
20°	2106.8	2100.9	2106.8	2104.8	2104.8	2096.8	2077.0	2067.1	2067.1	2067.1	2057.2
22.5°	2063.1	2057.2	2063.1	2067.1	2067.1	2065.1	2047.2	2033.4	2029.4	2029.4	2017.6
25°	2013.5	2007.6	2013.5	2013.5	2011.5	2013.5	2007.6	1999.7	1993.7	1987.8	1975.8
27.5°	1965.9	1961.9	1965.9	1961.9	1965.9	1960.0	1958.0	1956.0	1948.0	1942.1	1926.2
30°	1918.4	1914.3	1918.4	1914.3	1910.4	1906.4	1896.5	1892.5	1900.5	1896.5	1870.7
32.5°	1858.8	1854.9	1858.8	1858.8	1854.9	1854.9	1839.0	1833.0	1835.0	1846.9	1823.1
35°	1797.3	1791.4	1797.3	1795.3	1797.3	1791.4	1781.4	1779.4	1771.5	1785.4	1767.6
37.5°	1725.9	1720.0	1725.9	1725.9	1725.9	1729.8	1722.0	1715.9	1704.1	1722.0	1708.0
40°	1652.5	1644.5	1652.5	1650.5	1652.5	1656.5	1652.5	1648.5	1636.7	1650.5	1638.6
42.5°	1569.2	1567.1	1569.2	1571.2	1571.2	1579.1	1585.1	1577.1	1573.2	1563.2	1571.2
45°	1479.9	1475.9	1479.9	1483.8	1485.9	1489.8	1507.7	1507.7	1501.8	1485.9	1497.7
47.5°	1384.6	1374.8	1384.6	1396.6	1396.6	1402.6	1420.4	1434.2	1424.4	1404.6	1410.5
50°	1283.5	1285.4	1283.5	1291.5	1291.5	1313.3	1327.2	1341.1	1350.9	1327.2	1299.4
52.5°	1184.3	1182.3	1184.3	1190.3	1198.2	1208.1	1231.9	1245.8	1261.7	1247.8	1204.2
55°	1085.1	1089.1	1085.1	1087.2	1091.1	1097.0	1132.7	1146.6	1176.4	1158.6	1112.9
57.5°	985.9	980.0	985.9	989.9	991.9	997.8	1027.6	1053.3	1071.3	1073.3	1017.7
60°	870.8	862.9	870.8	888.8	892.7	896.7	924.5	948.2	964.1	970.0	912.5
62.5°	769.7	755.9	769.7	781.6	789.6	799.4	819.3	855.1	868.9	870.8	789.6
65°	662.6	656.7	662.6	686.4	688.3	700.3	722.1	747.9	777.7	773.7	656.7
67.5°	565.4	565.4	565.4	581.2	593.2	599.1	626.9	638.8	676.5	680.4	547.5
70°	476.1	474.2	476.1	488.0	496.0	509.9	535.6	549.5	579.3	589.2	444.4
72.5°	390.9	388.8	390.9	400.7	408.7	420.5	442.4	458.3	484.0	496.0	345.2
75°	315.4	311.5	315.4	323.3	321.3	337.2	355.1	370.9	394.8	402.7	255.9
77.5°	242.1	242.1	242.1	250.0	250.0	265.8	273.8	293.6	307.5	319.4	188.4
80°	180.5	178.6	180.5	182.5	182.5	190.4	204.3	218.2	230.1	230.1	129.0
82.5°	127.0	123.0	127.0	127.0	127.0	130.9	138.8	142.9	150.8	156.7	81.3
85°	79.4	79.4	79.4	81.3	79.4	83.3	85.3	89.2	89.2	85.3	49.6
87.5°	51.6	49.6	51.6	49.6	49.6	47.6	47.6	47.6	45.7	43.7	27.8
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	224.5	233.8	331.4	461.5	526.6	462.3	333.9	237.4
95°	652.7	540.1	652.7	765.3	793.5	1042.1	1373.5	1539.1	1299.9	821.4	462.6
97.5°	1564.1	1349.7	1564.1	1778.4	1832.0	1989.1	2198.5	2303.2	1904.3	1106.5	508.2
100°	2253.5	1998.1	2253.5	2508.9	2572.7	2561.2	2546.0	2538.3	2095.5	1210.2	546.2
102.5°	2931.7	2713.0	2931.7	3150.4	3205.1	3004.9	2738.1	2604.7	2155.8	1257.8	584.4
105°	3796.3	3678.8	3796.3	3913.9	3943.3	3494.7	2896.5	2597.3	2162.6	1293.1	641.0
107.5°	4362.8	4391.2	4362.8	4334.3	4327.2	3701.3	2866.9	2449.6	2066.3	1299.6	724.7
110°	4578.7	4701.2	4578.7	4456.2	4425.6	3725.9	2793.0	2326.6	1981.0	1289.8	771.4



TEST NUMBER: P935078

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4598.0	4786.1	4598.0	4409.9	4362.9	3646.8	2692.1	2214.7	1906.5	1290.3	828.0
115°	4476.0	4736.8	4476.0	4215.2	4150.0	3460.2	2540.4	2080.6	1821.0	1302.1	912.9
117.5°	4217.5	4506.8	4217.5	3928.2	3856.0	3233.4	2403.3	1988.3	1767.6	1326.4	995.4
120°	4009.2	4290.3	4009.2	3728.2	3657.9	3089.0	2330.6	1951.4	1749.7	1346.1	1043.4
122.5°	3806.3	4083.5	3806.3	3529.1	3459.8	2947.5	2264.5	1923.1	1740.2	1374.4	1100.0
125°	3516.9	3772.2	3516.9	3261.5	3197.7	2762.6	2182.4	1892.3	1732.4	1412.4	1172.6
127.5°	3256.7	3472.1	3256.7	3041.1	2987.3	2613.7	2115.6	1866.5	1727.9	1450.6	1242.7
130°	3103.2	3302.3	3103.2	2904.3	2854.5	2521.9	2078.4	1856.6	1730.6	1478.5	1289.4
132.5°	2964.1	3142.4	2964.1	2785.8	2741.3	2443.5	2046.4	1848.0	1732.3	1501.0	1327.6
135°	2773.3	2927.0	2773.3	2619.7	2581.2	2331.9	1999.5	1833.3	1730.7	1525.6	1371.8
137.5°	2620.4	2746.2	2620.4	2494.7	2463.2	2252.4	1971.3	1830.8	1741.4	1562.5	1428.4
140°	2515.5	2633.0	2515.5	2397.9	2368.5	2186.4	1943.5	1822.1	1743.1	1585.1	1466.6
142.5°	2428.4	2529.6	2428.4	2327.3	2302.0	2142.1	1928.8	1822.1	1749.4	1603.9	1494.9
145°	2298.1	2374.6	2298.1	2221.5	2202.3	2071.5	1897.1	1809.9	1749.5	1628.6	1538.0
147.5°	2198.0	2261.4	2198.0	2134.6	2118.7	2015.8	1878.5	1809.9	1761.5	1664.7	1592.1
150°	2135.0	2186.4	2135.0	2083.5	2070.7	1983.7	1867.9	1809.9	1767.8	1683.6	1620.4
152.5°	2081.1	2119.9	2081.1	2042.2	2032.5	1958.3	1859.4	1809.9	1771.8	1695.8	1638.8
155°	2019.1	2044.9	2019.1	1993.4	1987.0	1927.9	1849.2	1809.9	1780.9	1722.9	1679.5
157.5°	1970.2	1988.3	1970.2	1952.2	1947.6	1901.7	1840.5	1809.9	1790.0	1750.1	1720.1
160°	1940.9	1951.4	1940.9	1930.5	1927.9	1888.6	1836.1	1809.9	1794.0	1762.3	1738.5
162.5°	1921.8	1931.7	1921.8	1912.0	1909.5	1876.3	1832.0	1809.9	1798.4	1775.4	1758.1
165°	1894.2	1904.6	1894.2	1883.8	1881.2	1857.4	1825.8	1809.9	1804.7	1794.2	1786.4
167.5°	1874.4	1878.7	1874.4	1870.0	1869.0	1853.4	1832.6	1822.1	1817.8	1809.0	1802.5
170°	1869.0	1869.0	1869.0	1869.0	1869.0	1853.4	1832.6	1822.1	1821.8	1821.3	1820.9
172.5°	1854.3	1850.4	1854.3	1858.1	1859.1	1846.8	1830.3	1822.1	1822.1	1822.1	1822.1
175°	1845.5	1845.5	1845.5	1845.5	1845.5	1837.7	1827.4	1822.1	1824.6	1829.5	1833.3
177.5°	1837.6	1833.3	1837.6	1841.9	1843.0	1836.9	1828.7	1824.6	1826.6	1830.4	1833.3
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2126.6	2114.7	2114.7	2094.9	2087.0	2081.0	2071.1	2041.3	2033.4	2025.4	2037.4
5°	2144.5	2122.7	2106.8	2071.1	2041.3	2029.4	1991.7	1920.3	1872.7	1837.0	1817.2
7.5°	2148.4	2120.7	2090.9	2035.4	1963.9	1932.2	1817.2	1686.3	1650.5	1618.8	1598.9
10°	2144.5	2112.7	2071.1	1987.8	1819.2	1763.6	1648.5	1563.2	1541.4	1535.5	1541.4
12.5°	2130.5	2100.9	2043.3	1904.5	1668.4	1630.6	1563.2	1513.6	1509.7	1519.6	1573.2
15°	2106.8	2079.0	2011.5	1793.3	1585.1	1557.3	1509.7	1491.8	1513.6	1583.0	1743.7
17.5°	2083.0	2051.3	1968.0	1684.3	1521.6	1501.8	1468.0	1503.7	1626.7	1720.0	1773.5
20°	2051.3	2013.5	1918.4	1604.9	1475.9	1458.1	1442.2	1602.9	1696.1	1729.8	1759.6
22.5°	2013.5	1973.9	1850.9	1549.3	1428.3	1414.4	1424.4	1658.5	1696.1	1720.0	1745.7
25°	1963.9	1930.2	1771.5	1505.7	1390.7	1374.8	1412.4	1652.5	1674.3	1680.2	1731.8
27.5°	1918.4	1874.7	1688.2	1466.0	1345.0	1339.1	1422.4	1626.7	1642.6	1648.5	1704.1
30°	1862.8	1797.3	1595.0	1424.4	1297.4	1295.4	1424.4	1595.0	1591.0	1606.9	1662.4
32.5°	1805.3	1682.2	1489.8	1372.8	1251.7	1249.8	1410.5	1547.3	1543.4	1565.2	1606.9
35°	1751.7	1593.0	1347.0	1313.3	1194.2	1196.2	1376.8	1491.8	1493.8	1513.6	1539.4
37.5°	1696.1	1515.6	1190.3	1247.8	1138.7	1138.7	1331.1	1440.3	1436.3	1442.2	1477.9
40°	1630.6	1394.6	1051.4	1162.5	1087.2	1081.1	1275.6	1384.6	1370.8	1368.9	1418.4
42.5°	1561.2	1261.7	948.2	1049.4	1027.6	1019.6	1208.1	1317.2	1291.5	1297.4	1360.9
45°	1485.9	1226.0	868.9	886.7	966.1	960.2	1134.7	1239.9	1222.0	1237.9	1303.4
47.5°	1410.5	1154.6	843.1	736.0	900.6	898.6	1053.3	1164.5	1154.6	1170.5	1239.9
50°	1307.3	1075.2	841.2	630.8	827.3	835.1	956.2	1091.1	1091.1	1105.0	1178.4
52.5°	1174.4	978.0	763.8	571.3	742.0	765.7	870.8	1027.6	1031.6	1045.5	1110.9
55°	1053.3	876.8	708.2	525.7	640.8	692.4	787.5	962.1	970.0	983.9	1043.5
57.5°	942.3	730.0	696.3	472.1	547.5	597.1	714.2	898.6	902.6	914.5	972.1
60°	823.3	527.7	638.8	414.6	466.2	503.8	646.7	823.3	837.1	845.1	894.7
62.5°	688.3	382.9	579.3	375.0	426.5	434.4	591.2	751.8	769.7	775.7	805.5
65°	490.0	321.3	492.0	341.3	384.8	386.8	531.7	678.5	694.3	704.2	726.1
67.5°	331.3	261.9	375.0	309.5	353.1	355.1	474.2	593.2	615.0	623.0	636.8
70°	230.1	174.6	277.8	275.8	317.4	321.3	412.6	515.8	535.6	541.6	549.5
72.5°	168.6	140.8	230.1	248.0	279.7	283.7	349.1	428.5	448.3	454.3	458.3
75°	129.0	148.8	186.5	216.2	238.0	240.0	285.6	349.1	363.0	367.0	369.0
77.5°	103.1	138.8	136.9	174.6	194.4	190.4	224.2	269.8	281.7	281.7	281.7
80°	77.4	109.2	103.1	125.0	142.9	138.8	160.7	192.5	196.4	200.4	198.4
82.5°	57.5	69.4	69.4	79.4	95.2	91.3	107.1	125.0	125.0	125.0	129.0
85°	35.7	39.6	31.7	41.7	53.5	51.6	59.6	67.4	69.4	69.4	65.5
87.5°	21.8	17.8	10.0	15.9	23.8	23.8	27.8	29.8	27.8	27.8	27.8
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	333.9	462.3	526.6	461.5	331.4
95°	424.4	271.2	118.1	271.2	424.4	462.6	821.4	1299.9	1539.1	1373.5	1042.1
97.5°	474.4	339.3	204.2	339.3	474.4	508.2	1106.5	1904.3	2303.2	2198.5	1989.1
100°	515.6	393.1	270.7	393.1	515.6	546.2	1210.2	2095.5	2538.3	2546.0	2561.2
102.5°	555.8	441.5	327.3	441.5	555.8	584.4	1257.8	2155.8	2604.7	2738.1	3004.9
105°	616.8	520.0	423.3	520.0	616.8	641.0	1293.1	2162.6	2597.3	2896.5	3494.7
107.5°	702.1	611.9	521.7	611.9	702.1	724.7	1299.6	2066.3	2449.6	2866.9	3701.3
110°	751.0	669.6	588.1	669.6	751.0	771.4	1289.8	1981.0	2326.6	2793.0	3725.9



TEST NUMBER: P935078

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	808.6	731.0	653.3	731.0	808.6	828.0	1290.3	1906.5	2214.7	2692.1	3646.8
115°	895.0	823.4	751.7	823.4	895.0	912.9	1302.1	1821.0	2080.6	2540.4	3460.2
117.5°	979.1	914.0	848.9	914.0	979.1	995.4	1326.4	1767.6	1988.3	2403.3	3233.4
120°	1028.1	966.8	905.5	966.8	1028.1	1043.4	1346.1	1749.7	1951.4	2330.6	3089.0
122.5°	1084.5	1022.8	961.0	1022.8	1084.5	1100.0	1374.4	1740.2	1923.1	2264.5	2947.5
125°	1158.5	1102.2	1045.9	1102.2	1158.5	1172.6	1412.4	1732.4	1892.3	2182.4	2762.6
127.5°	1228.5	1171.6	1114.7	1171.6	1228.5	1242.7	1450.6	1727.9	1866.5	2115.6	2613.7
130°	1274.1	1212.9	1151.6	1212.9	1274.1	1289.4	1478.5	1730.6	1856.6	2078.4	2521.9
132.5°	1312.3	1251.0	1189.8	1251.0	1312.3	1327.6	1501.0	1732.3	1848.0	2046.4	2443.5
135°	1357.9	1302.1	1246.4	1302.1	1357.9	1371.8	1525.6	1730.7	1833.3	1999.5	2331.9
137.5°	1414.6	1359.4	1304.2	1359.4	1414.6	1428.4	1562.5	1741.4	1830.8	1971.3	2252.4
140°	1453.9	1403.1	1352.2	1403.1	1453.9	1466.6	1585.1	1743.1	1822.1	1943.5	2186.4
142.5°	1483.1	1436.1	1389.1	1436.1	1483.1	1494.9	1603.9	1749.4	1822.1	1928.8	2142.1
145°	1527.7	1486.7	1445.7	1486.7	1527.7	1538.0	1628.6	1749.5	1809.9	1897.1	2071.5
147.5°	1582.1	1542.2	1502.3	1542.2	1582.1	1592.1	1664.7	1761.5	1809.9	1878.5	2015.8
150°	1611.3	1575.2	1539.1	1575.2	1611.3	1620.4	1683.6	1767.8	1809.9	1867.9	1983.7
152.5°	1632.0	1604.6	1577.3	1604.6	1632.0	1638.8	1695.8	1771.8	1809.9	1859.4	1958.3
155°	1674.4	1654.1	1633.9	1654.1	1674.4	1679.5	1722.9	1780.9	1809.9	1849.2	1927.9
157.5°	1715.1	1695.4	1675.7	1695.4	1715.1	1720.1	1750.1	1790.0	1809.9	1840.5	1901.7
160°	1734.7	1719.4	1704.0	1719.4	1734.7	1738.5	1762.3	1794.0	1809.9	1836.1	1888.6
162.5°	1755.3	1743.7	1732.3	1743.7	1755.3	1758.1	1775.4	1798.4	1809.9	1832.0	1876.3
165°	1783.9	1773.4	1763.1	1773.4	1783.9	1786.4	1794.2	1804.7	1809.9	1825.8	1857.4
167.5°	1801.2	1796.3	1791.4	1796.3	1801.2	1802.5	1809.0	1817.8	1822.1	1832.6	1853.4
170°	1819.8	1814.8	1809.9	1814.8	1819.8	1820.9	1821.3	1821.8	1822.1	1832.6	1853.4
172.5°	1821.8	1820.7	1819.7	1820.7	1821.8	1822.1	1822.1	1822.1	1822.1	1830.3	1846.8
175°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1829.5	1824.6	1822.1	1827.4	1837.7
177.5°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1830.4	1826.6	1824.6	1828.7	1836.9
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



TEST NUMBER: P935078

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2023.5	2017.6	2025.4	2003.7	2025.4	2017.6	2023.5	2037.4	2025.4	2033.4	2041.3
5°	1775.5	1765.5	1733.9	1708.0	1733.9	1765.5	1775.5	1817.2	1837.0	1872.7	1920.3
7.5°	1587.1	1579.1	1571.2	1555.3	1571.2	1579.1	1587.1	1598.9	1618.8	1650.5	1686.3
10°	1545.4	1547.3	1559.3	1557.3	1559.3	1547.3	1545.4	1541.4	1535.5	1541.4	1563.2
12.5°	1652.5	1670.4	1735.9	1731.8	1735.9	1670.4	1652.5	1573.2	1519.6	1509.7	1513.6
15°	1775.5	1781.4	1795.3	1797.3	1795.3	1781.4	1775.5	1743.7	1583.0	1513.6	1491.8
17.5°	1787.4	1789.4	1799.3	1799.3	1799.3	1789.4	1787.4	1773.5	1720.0	1626.7	1503.7
20°	1777.5	1781.4	1801.3	1805.3	1801.3	1781.4	1777.5	1759.6	1729.8	1696.1	1602.9
22.5°	1773.5	1781.4	1797.3	1795.3	1797.3	1781.4	1773.5	1745.7	1720.0	1696.1	1658.5
25°	1753.7	1753.7	1755.7	1757.6	1755.7	1753.7	1753.7	1731.8	1680.2	1674.3	1652.5
27.5°	1712.0	1715.9	1727.9	1725.9	1727.9	1715.9	1712.0	1704.1	1648.5	1642.6	1626.7
30°	1674.3	1670.4	1660.4	1652.5	1660.4	1670.4	1674.3	1662.4	1606.9	1591.0	1595.0
32.5°	1610.8	1600.9	1591.0	1585.1	1591.0	1600.9	1610.8	1606.9	1565.2	1543.4	1547.3
35°	1535.5	1537.5	1535.5	1529.5	1535.5	1537.5	1535.5	1539.4	1513.6	1493.8	1491.8
37.5°	1481.9	1485.9	1483.8	1475.9	1483.8	1485.9	1481.9	1477.9	1442.2	1436.3	1440.3
40°	1426.3	1428.3	1426.3	1420.4	1426.3	1428.3	1426.3	1418.4	1368.9	1370.8	1384.6
42.5°	1372.8	1370.8	1364.8	1360.9	1364.8	1370.8	1372.8	1360.9	1297.4	1291.5	1317.2
45°	1311.3	1313.3	1301.3	1295.4	1301.3	1313.3	1311.3	1303.4	1237.9	1222.0	1239.9
47.5°	1249.8	1249.8	1239.9	1233.9	1239.9	1249.8	1249.8	1239.9	1170.5	1154.6	1164.5
50°	1184.3	1182.3	1168.4	1166.4	1168.4	1182.3	1184.3	1178.4	1105.0	1091.1	1091.1
52.5°	1109.0	1109.0	1110.9	1114.9	1110.9	1109.0	1109.0	1110.9	1045.5	1031.6	1027.6
55°	1043.5	1045.5	1059.4	1063.3	1059.4	1045.5	1043.5	1043.5	983.9	970.0	962.1
57.5°	976.0	976.0	985.9	985.9	985.9	976.0	976.0	972.1	914.5	902.6	898.6
60°	898.6	902.6	910.6	908.6	910.6	902.6	898.6	894.7	845.1	837.1	823.3
62.5°	817.3	821.3	823.3	819.3	823.3	821.3	817.3	805.5	775.7	769.7	751.8
65°	732.0	736.0	737.9	734.0	737.9	736.0	732.0	726.1	704.2	694.3	678.5
67.5°	644.7	642.8	640.8	648.7	640.8	642.8	644.7	636.8	623.0	615.0	593.2
70°	555.4	555.4	553.4	557.5	553.4	555.4	555.4	549.5	541.6	535.6	515.8
72.5°	460.3	458.3	466.2	460.3	466.2	458.3	460.3	458.3	454.3	448.3	428.5
75°	367.0	370.9	367.0	372.9	367.0	370.9	367.0	369.0	367.0	363.0	349.1
77.5°	279.7	283.7	279.7	279.7	279.7	283.7	279.7	281.7	281.7	281.7	269.8
80°	198.4	196.4	196.4	194.4	196.4	196.4	198.4	198.4	200.4	196.4	192.5
82.5°	127.0	125.0	125.0	129.0	125.0	125.0	127.0	129.0	125.0	125.0	125.0
85°	69.4	71.4	67.4	67.4	67.4	71.4	69.4	65.5	69.4	69.4	67.4
87.5°	25.8	23.8	23.8	23.8	23.8	23.8	25.8	27.8	27.8	27.8	29.8
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°	233.8	224.5	187.2	150.1	187.2	224.5	233.8	331.4	461.5	526.6	462.3
95°	793.5	765.3	652.7	540.1	652.7	765.3	793.5	1042.1	1373.5	1539.1	1299.9
97.5°	1832.0	1778.4	1564.1	1349.7	1564.1	1778.4	1832.0	1989.1	2198.5	2303.2	1904.3
100°	2572.7	2508.9	2253.5	1998.1	2253.5	2508.9	2572.7	2561.2	2546.0	2538.3	2095.5
102.5°	3205.1	3150.4	2931.7	2713.0	2931.7	3150.4	3205.1	3004.9	2738.1	2604.7	2155.8
105°	3943.3	3913.9	3796.3	3678.8	3796.3	3913.9	3943.3	3494.7	2896.5	2597.3	2162.6
107.5°	4327.2	4334.3	4362.8	4391.2	4362.8	4334.3	4327.2	3701.3	2866.9	2449.6	2066.3
110°	4425.6	4456.2	4578.7	4701.2	4578.7	4456.2	4425.6	3725.9	2793.0	2326.6	1981.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4362.9	4409.9	4598.0	4786.1	4598.0	4409.9	4362.9	3646.8	2692.1	2214.7	1906.5
115°	4150.0	4215.2	4476.0	4736.8	4476.0	4215.2	4150.0	3460.2	2540.4	2080.6	1821.0
117.5°	3856.0	3928.2	4217.5	4506.8	4217.5	3928.2	3856.0	3233.4	2403.3	1988.3	1767.6
120°	3657.9	3728.2	4009.2	4290.3	4009.2	3728.2	3657.9	3089.0	2330.6	1951.4	1749.7
122.5°	3459.8	3529.1	3806.3	4083.5	3806.3	3529.1	3459.8	2947.5	2264.5	1923.1	1740.2
125°	3197.7	3261.5	3516.9	3772.2	3516.9	3261.5	3197.7	2762.6	2182.4	1892.3	1732.4
127.5°	2987.3	3041.1	3256.7	3472.1	3256.7	3041.1	2987.3	2613.7	2115.6	1866.5	1727.9
130°	2854.5	2904.3	3103.2	3302.3	3103.2	2904.3	2854.5	2521.9	2078.4	1856.6	1730.6
132.5°	2741.3	2785.8	2964.1	3142.4	2964.1	2785.8	2741.3	2443.5	2046.4	1848.0	1732.3
135°	2581.2	2619.7	2773.3	2927.0	2773.3	2619.7	2581.2	2331.9	1999.5	1833.3	1730.7
137.5°	2463.2	2494.7	2620.4	2746.2	2620.4	2494.7	2463.2	2252.4	1971.3	1830.8	1741.4
140°	2368.5	2397.9	2515.5	2633.0	2515.5	2397.9	2368.5	2186.4	1943.5	1822.1	1743.1
142.5°	2302.0	2327.3	2428.4	2529.6	2428.4	2327.3	2302.0	2142.1	1928.8	1822.1	1749.4
145°	2202.3	2221.5	2298.1	2374.6	2298.1	2221.5	2202.3	2071.5	1897.1	1809.9	1749.5
147.5°	2118.7	2134.6	2198.0	2261.4	2198.0	2134.6	2118.7	2015.8	1878.5	1809.9	1761.5
150°	2070.7	2083.5	2135.0	2186.4	2135.0	2083.5	2070.7	1983.7	1867.9	1809.9	1767.8
152.5°	2032.5	2042.2	2081.1	2119.9	2081.1	2042.2	2032.5	1958.3	1859.4	1809.9	1771.8
155°	1987.0	1993.4	2019.1	2044.9	2019.1	1993.4	1987.0	1927.9	1849.2	1809.9	1780.9
157.5°	1947.6	1952.2	1970.2	1988.3	1970.2	1952.2	1947.6	1901.7	1840.5	1809.9	1790.0
160°	1927.9	1930.5	1940.9	1951.4	1940.9	1930.5	1927.9	1888.6	1836.1	1809.9	1794.0
162.5°	1909.5	1912.0	1921.8	1931.7	1921.8	1912.0	1909.5	1876.3	1832.0	1809.9	1798.4
165°	1881.2	1883.8	1894.2	1904.6	1894.2	1883.8	1881.2	1857.4	1825.8	1809.9	1804.7
167.5°	1869.0	1870.0	1874.4	1878.7	1874.4	1870.0	1869.0	1853.4	1832.6	1822.1	1817.8
170°	1869.0	1869.0	1869.0	1869.0	1869.0	1869.0	1869.0	1853.4	1832.6	1822.1	1821.8
172.5°	1859.1	1858.1	1854.3	1850.4	1854.3	1858.1	1859.1	1846.8	1830.3	1822.1	1822.1
175°	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1837.7	1827.4	1822.1	1824.6
177.5°	1843.0	1841.9	1837.6	1833.3	1837.6	1841.9	1843.0	1836.9	1828.7	1824.6	1826.6
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



TEST NUMBER: P935078

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2071.1	2081.0	2087.0	2094.9	2114.7
5°	1991.7	2029.4	2041.3	2071.1	2106.8
7.5°	1817.2	1932.2	1963.9	2035.4	2090.9
10°	1648.5	1763.6	1819.2	1987.8	2071.1
12.5°	1563.2	1630.6	1668.4	1904.5	2043.3
15°	1509.7	1557.3	1585.1	1793.3	2011.5
17.5°	1468.0	1501.8	1521.6	1684.3	1968.0
20°	1442.2	1458.1	1475.9	1604.9	1918.4
22.5°	1424.4	1414.4	1428.3	1549.3	1850.9
25°	1412.4	1374.8	1390.7	1505.7	1771.5
27.5°	1422.4	1339.1	1345.0	1466.0	1688.2
30°	1424.4	1295.4	1297.4	1424.4	1595.0
32.5°	1410.5	1249.8	1251.7	1372.8	1489.8
35°	1376.8	1196.2	1194.2	1313.3	1347.0
37.5°	1331.1	1138.7	1138.7	1247.8	1190.3
40°	1275.6	1081.1	1087.2	1162.5	1051.4
42.5°	1208.1	1019.6	1027.6	1049.4	948.2
45°	1134.7	960.2	966.1	886.7	868.9
47.5°	1053.3	898.6	900.6	736.0	843.1
50°	956.2	835.1	827.3	630.8	841.2
52.5°	870.8	765.7	742.0	571.3	763.8
55°	787.5	692.4	640.8	525.7	708.2
57.5°	714.2	597.1	547.5	472.1	696.3
60°	646.7	503.8	466.2	414.6	638.8
62.5°	591.2	434.4	426.5	375.0	579.3
65°	531.7	386.8	384.8	341.3	492.0
67.5°	474.2	355.1	353.1	309.5	375.0
70°	412.6	321.3	317.4	275.8	277.8
72.5°	349.1	283.7	279.7	248.0	230.1
75°	285.6	240.0	238.0	216.2	186.5
77.5°	224.2	190.4	194.4	174.6	136.9
80°	160.7	138.8	142.9	125.0	103.1
82.5°	107.1	91.3	95.2	79.4	69.4
85°	59.6	51.6	53.5	41.7	31.7
87.5°	27.8	23.8	23.8	15.9	10.0
90°	54.1	34.4	31.9	22.2	12.3
92.5°	333.9	237.4	216.5	132.8	49.2
95°	821.4	462.6	424.4	271.2	118.1
97.5°	1106.5	508.2	474.4	339.3	204.2
100°	1210.2	546.2	515.6	393.1	270.7
102.5°	1257.8	584.4	555.8	441.5	327.3
105°	1293.1	641.0	616.8	520.0	423.3
107.5°	1299.6	724.7	702.1	611.9	521.7
110°	1289.8	771.4	751.0	669.6	588.1



TEST NUMBER: P935078

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1290.3	828.0	808.6	731.0	653.3
115°	1302.1	912.9	895.0	823.4	751.7
117.5°	1326.4	995.4	979.1	914.0	848.9
120°	1346.1	1043.4	1028.1	966.8	905.5
122.5°	1374.4	1100.0	1084.5	1022.8	961.0
125°	1412.4	1172.6	1158.5	1102.2	1045.9
127.5°	1450.6	1242.7	1228.5	1171.6	1114.7
130°	1478.5	1289.4	1274.1	1212.9	1151.6
132.5°	1501.0	1327.6	1312.3	1251.0	1189.8
135°	1525.6	1371.8	1357.9	1302.1	1246.4
137.5°	1562.5	1428.4	1414.6	1359.4	1304.2
140°	1585.1	1466.6	1453.9	1403.1	1352.2
142.5°	1603.9	1494.9	1483.1	1436.1	1389.1
145°	1628.6	1538.0	1527.7	1486.7	1445.7
147.5°	1664.7	1592.1	1582.1	1542.2	1502.3
150°	1683.6	1620.4	1611.3	1575.2	1539.1
152.5°	1695.8	1638.8	1632.0	1604.6	1577.3
155°	1722.9	1679.5	1674.4	1654.1	1633.9
157.5°	1750.1	1720.1	1715.1	1695.4	1675.7
160°	1762.3	1738.5	1734.7	1719.4	1704.0
162.5°	1775.4	1758.1	1755.3	1743.7	1732.3
165°	1794.2	1786.4	1783.9	1773.4	1763.1
167.5°	1809.0	1802.5	1801.2	1796.3	1791.4
170°	1821.3	1820.9	1819.8	1814.8	1809.9
172.5°	1822.1	1822.1	1821.8	1820.7	1819.7
175°	1829.5	1833.3	1833.3	1833.3	1833.3
177.5°	1830.4	1833.3	1833.3	1833.3	1833.3
180°	1833.3	1833.3	1833.3	1833.3	1833.3



TEST NUMBER: P935078
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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	9.28	10.00	10.39	11.10	12.61	12.13	12.85	13.24	13.95	15.46
	3H	9.75	10.39	10.86	11.50	13.03	13.48	14.12	14.59	15.22	16.75
	4H	9.93	10.54	11.05	11.65	13.19	13.92	14.53	15.04	15.63	17.17
	6H	10.04	10.60	11.17	11.71	13.26	14.20	14.76	15.33	15.87	17.42
	8H	10.04	10.57	11.17	11.70	13.24	14.27	14.81	15.41	15.93	17.47
	12H	10.01	10.51	11.14	11.63	13.20	14.31	14.82	15.45	15.94	17.50
4H	2H	10.30	10.91	11.43	12.02	13.56	12.52	13.13	13.65	14.24	15.78
	3H	11.32	11.82	12.45	12.96	14.51	14.02	14.53	15.16	15.66	17.21
	4H	11.59	12.05	12.72	13.18	14.74	14.55	15.02	15.69	16.14	17.71
	6H	11.70	12.10	12.85	13.25	14.81	14.91	15.31	16.06	16.46	18.02
	8H	11.71	12.08	12.85	13.22	14.79	15.02	15.39	16.16	16.53	18.11
	12H	11.67	12.00	12.83	13.15	14.73	15.07	15.41	16.23	16.56	18.14
8H	4H	12.03	12.40	13.17	13.54	15.12	14.66	15.03	15.81	16.17	17.75
	6H	12.29	12.59	13.45	13.77	15.35	15.10	15.41	16.26	16.59	18.16
	8H	12.33	12.60	13.50	13.76	15.35	15.25	15.52	16.42	16.68	18.27
	12H	12.31	12.54	13.48	13.70	15.33	15.35	15.58	16.52	16.74	18.37
12H	4H	12.03	12.37	13.19	13.52	15.10	14.62	14.96	15.78	16.11	17.69
	6H	12.35	12.62	13.52	13.78	15.37	15.09	15.36	16.26	16.52	18.12
	8H	12.41	12.64	13.58	13.80	15.43	15.25	15.49	16.43	16.64	18.27