

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: P935013

Luminaire Tested: SQ4-FA-100U-050D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935013
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-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

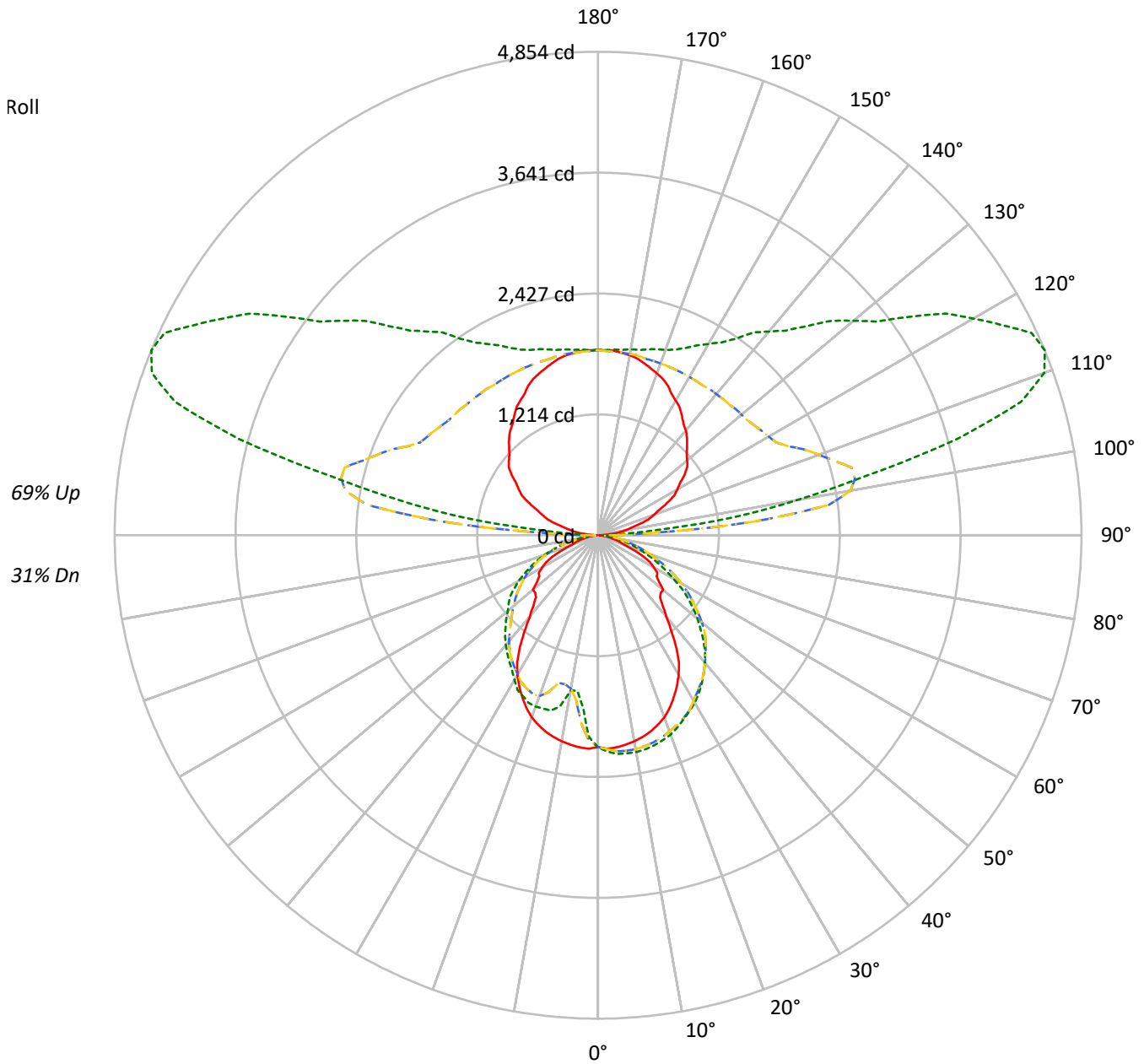
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17574.0 lumens
Efficiency: N/A
Efficacy: 142.2 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				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°	6578	6578	6578	6578
5°	6629	6640	6629	5221
10°	6588	6541	6588	4676
15°	6518	6399	6518	5343
20°	6385	6231	6385	5355
25°	6108	5986	6108	5241
30°	5750	5783	5750	4992
35°	5128	5526	5128	4718
40°	4276	5223	4276	4511
45°	3823	4869	3823	4273
50°	4065	4446	4065	4035
55°	3828	3991	3828	3897
60°	3951	3390	3951	3569
65°	3588	2802	3588	3132
70°	2491	2233	2491	2626
75°	2192	1651	2192	1976
80°	1779	1091	1779	1188
85°	1043	578	1043	491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5856 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.0	1.1
10°-20°	545.0	3.1
20°-30°	842.5	4.8
30°-40°	1005.8	5.7
40°-50°	1011.7	5.8
50°-60°	880.3	5.0
60°-70°	624.2	3.6
70°-80°	330.2	1.9
80°-90°	89.3	0.5
90°-100°	906.3	5.2
100°-110°	2382.7	13.6
110°-120°	2470.6	14.1
120°-130°	1981.7	11.3
130°-140°	1555.0	8.8
140°-150°	1193.5	6.8
150°-160°	859.5	4.9
160°-170°	525.9	3.0
170°-180°	177.7	1.0
0°-30°	1579.6	9.0
0°-40°	2585.4	14.7
0°-60°	4477.4	25.5
0°-90°	5521.1	31.4
90°-120°	5759.6	32.8
90°-150°	10489.8	59.7
90°-180°	12053.0	68.6
0°-180°	17574.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2127	2127	2127	2127	2127	
5°	2137	2203	2137	1732	2137	203
15°	2040	2183	2040	1823	2040	574
25°	1797	2036	1797	1783	1797	825
35°	1366	1817	1366	1551	1366	845
45°	881	1497	881	1314	881	706
55°	718	1105	718	1078	718	660
65°	499	666	499	744	499	477
75°	189	316	189	378	189	199
85°	32	80	32	68	32	43
90°	12	47	12	47	12	12
95°	120	548	120	548	120	133
105°	429	3731	429	3731	429	455
115°	762	4804	762	4804	762	753
125°	1061	3826	1061	3826	1061	942
135°	1264	2969	1264	2969	1264	978
145°	1466	2408	1466	2408	1466	919
155°	1657	2074	1657	2074	1657	761
165°	1788	1932	1788	1932	1788	505
175°	1859	1872	1859	1872	1859	176
180°	1859	1859	1859	1859	1859	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2144.7	2144.7	2156.8	2160.8	2160.8	2154.8	2148.8	2154.8	2172.9	2178.9	2176.9
5°	2136.7	2152.8	2174.9	2178.9	2183.0	2181.0	2176.9	2181.0	2201.1	2205.1	2207.1
7.5°	2120.6	2150.8	2178.9	2185.0	2191.0	2185.0	2183.0	2187.0	2207.1	2211.1	2211.1
10°	2100.5	2142.7	2174.9	2178.9	2185.0	2178.9	2178.9	2187.0	2207.1	2211.1	2213.2
12.5°	2072.3	2130.7	2160.8	2164.9	2172.9	2170.9	2168.9	2176.9	2197.1	2201.1	2201.1
15°	2040.1	2108.5	2136.7	2140.7	2154.8	2150.8	2150.8	2158.8	2181.0	2187.0	2185.0
17.5°	1995.9	2080.4	2112.6	2118.6	2128.7	2126.6	2128.7	2136.7	2156.8	2160.8	2162.9
20°	1945.6	2042.1	2080.4	2086.4	2096.5	2096.5	2096.5	2106.5	2126.6	2134.7	2134.7
22.5°	1877.2	2001.9	2042.1	2046.2	2058.2	2058.2	2062.3	2076.3	2094.4	2096.5	2096.5
25°	1796.7	1957.6	1991.8	2003.9	2016.0	2022.0	2028.1	2036.1	2042.1	2040.1	2042.1
27.5°	1712.2	1901.3	1945.6	1953.6	1969.7	1975.7	1983.8	1985.8	1987.8	1993.8	1989.8
30°	1617.6	1822.8	1889.2	1897.3	1923.4	1927.5	1919.4	1923.4	1933.5	1937.5	1941.5
32.5°	1511.0	1706.1	1830.9	1849.0	1873.1	1861.1	1859.0	1865.1	1881.2	1881.2	1885.2
35°	1366.1	1615.6	1776.6	1792.7	1810.8	1796.7	1804.7	1806.7	1816.8	1822.8	1820.8
37.5°	1207.2	1537.1	1720.2	1732.3	1746.4	1728.3	1740.3	1746.4	1754.4	1750.4	1750.4
40°	1066.3	1414.4	1653.8	1661.9	1673.9	1659.9	1671.9	1676.0	1680.0	1676.0	1673.9
42.5°	961.7	1279.6	1583.4	1593.5	1585.4	1595.5	1599.5	1607.6	1601.5	1593.5	1593.5
45°	881.2	1243.4	1507.0	1519.0	1507.0	1523.1	1529.1	1529.1	1511.0	1507.0	1504.9
47.5°	855.1	1171.0	1430.5	1430.5	1424.5	1444.6	1454.6	1440.6	1422.5	1416.4	1416.4
50°	853.1	1090.5	1325.9	1317.8	1346.0	1370.1	1360.1	1346.0	1331.9	1309.8	1309.8
52.5°	774.6	991.9	1191.1	1221.3	1265.5	1279.6	1263.5	1249.4	1225.3	1215.2	1207.2
55°	718.3	889.3	1068.3	1128.7	1175.0	1193.1	1162.9	1148.8	1112.6	1106.6	1102.6
57.5°	706.2	740.4	955.7	1032.1	1088.5	1086.5	1068.3	1042.2	1012.0	1006.0	1004.0
60°	647.9	535.2	835.0	925.5	983.8	977.8	961.7	937.6	909.4	905.4	901.4
62.5°	587.5	388.3	698.1	800.8	883.2	881.2	867.2	830.9	810.8	800.8	792.7
65°	499.0	325.9	497.0	666.0	784.7	788.7	758.5	732.4	710.2	698.1	696.1
67.5°	380.3	265.6	336.0	555.3	690.1	686.1	647.9	635.8	607.6	601.6	589.5
70°	281.7	177.1	233.4	450.7	597.6	587.5	557.3	543.2	517.1	503.0	494.9
72.5°	233.4	142.8	171.0	350.1	503.0	490.9	464.8	448.7	426.5	414.5	406.4
75°	189.1	150.9	130.8	259.5	408.4	400.4	376.2	360.1	342.0	325.9	327.9
77.5°	138.8	140.8	104.6	191.1	323.9	311.9	297.8	277.7	269.6	253.5	253.5
80°	104.6	110.7	78.5	130.8	233.4	233.4	221.3	207.2	193.1	185.1	185.1
82.5°	70.4	70.4	58.3	82.5	158.9	152.9	144.9	140.8	132.8	128.8	128.8
85°	32.2	40.2	36.2	50.3	86.5	90.5	90.5	86.5	84.5	80.5	82.5
87.5°	10.1	18.1	22.1	28.2	44.3	46.3	48.3	48.3	48.3	50.3	50.3
90°	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2	47.4	47.4
92.5°	49.9	134.7	219.6	240.8	338.6	468.9	534.1	468.1	336.1	237.1	227.7
95°	119.8	275.1	430.4	469.2	833.1	1318.4	1561.0	1393.0	1056.9	804.8	776.2
97.5°	207.1	344.1	481.1	515.4	1122.2	1931.3	2335.9	2229.7	2017.3	1858.0	1803.7
100°	274.5	398.7	522.9	554.0	1227.4	2125.3	2574.3	2582.1	2597.6	2609.2	2544.5
102.5°	331.9	447.8	563.7	592.7	1275.7	2186.4	2641.7	2777.0	3047.6	3250.6	3195.1
105°	429.3	527.4	625.6	650.1	1311.5	2193.3	2634.2	2937.6	3544.3	3999.3	3969.5
107.5°	529.1	620.6	712.1	735.0	1318.1	2095.6	2484.4	2907.6	3753.9	4388.6	4395.8
110°	596.5	679.1	761.7	782.4	1308.1	2009.1	2359.6	2832.7	3778.8	4488.4	4519.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.6	741.4	820.1	839.8	1308.6	1933.6	2246.1	2730.3	3698.6	4424.8	4472.5
115°	762.4	835.1	907.7	925.9	1320.6	1846.9	2110.1	2576.5	3509.3	4208.9	4275.0
117.5°	861.0	927.0	993.0	1009.5	1345.2	1792.7	2016.5	2437.4	3279.3	3910.7	3984.0
120°	918.4	980.5	1042.7	1058.2	1365.2	1774.5	1979.1	2363.7	3132.9	3709.8	3781.1
122.5°	974.6	1037.3	1099.9	1115.6	1393.9	1764.9	1950.4	2296.7	2989.4	3508.9	3579.2
125°	1060.7	1117.8	1174.9	1189.2	1432.5	1757.0	1919.2	2213.4	2801.8	3243.1	3307.8
127.5°	1130.5	1188.2	1245.9	1260.3	1471.2	1752.4	1893.0	2145.6	2650.8	3029.7	3084.3
130°	1168.0	1230.1	1292.2	1307.7	1499.5	1755.2	1883.0	2107.9	2557.7	2895.0	2945.5
132.5°	1206.7	1268.8	1330.9	1346.4	1522.3	1756.9	1874.2	2075.5	2478.2	2780.2	2825.4
135°	1264.1	1320.6	1377.2	1391.3	1547.3	1755.3	1859.3	2027.9	2365.0	2617.9	2656.9
137.5°	1322.7	1378.7	1434.7	1448.7	1584.7	1766.1	1856.8	1999.3	2284.4	2498.2	2530.1
140°	1371.4	1423.0	1474.5	1487.4	1607.6	1767.9	1848.0	1971.1	2217.4	2402.1	2431.9
142.5°	1408.8	1456.5	1504.2	1516.1	1626.7	1774.2	1848.0	1956.2	2172.5	2334.7	2360.3
145°	1466.2	1507.8	1549.4	1559.8	1651.7	1774.3	1835.6	1924.0	2100.9	2233.6	2253.0
147.5°	1523.6	1564.1	1604.6	1614.7	1688.3	1786.5	1835.6	1905.2	2044.4	2148.8	2164.9
150°	1561.0	1597.6	1634.2	1643.4	1707.5	1792.9	1835.6	1894.4	2011.9	2100.1	2113.1
152.5°	1599.7	1627.4	1655.2	1662.1	1719.9	1797.0	1835.6	1885.8	1986.1	2061.4	2071.2
155°	1657.1	1677.6	1698.2	1703.3	1747.4	1806.2	1835.6	1875.5	1955.3	2015.2	2021.7
157.5°	1699.5	1719.5	1739.5	1744.5	1774.9	1815.4	1835.6	1866.6	1928.7	1975.3	1979.9
160°	1728.2	1743.8	1759.3	1763.2	1787.3	1819.5	1835.6	1862.2	1915.4	1955.3	1957.9
162.5°	1756.9	1768.5	1780.2	1783.1	1800.6	1823.9	1835.6	1858.0	1902.9	1936.6	1939.1
165°	1788.1	1798.6	1809.2	1811.8	1819.7	1830.3	1835.6	1851.7	1883.8	1907.9	1910.5
167.5°	1816.8	1821.8	1826.8	1828.1	1834.7	1843.6	1848.0	1858.6	1879.7	1895.5	1896.6
170°	1835.6	1840.6	1845.6	1846.8	1847.2	1847.7	1848.0	1858.6	1879.7	1895.5	1895.5
172.5°	1845.5	1846.6	1847.7	1848.0	1848.0	1848.0	1848.0	1856.3	1873.0	1885.5	1884.5
175°	1859.3	1859.3	1859.3	1859.3	1855.5	1850.5	1848.0	1853.3	1863.8	1871.7	1871.7
177.5°	1859.3	1859.3	1859.3	1859.3	1856.4	1852.5	1850.5	1854.7	1863.0	1869.2	1868.1
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2181.0	2174.9	2181.0	2176.9	2178.9	2172.9	2154.8	2148.8	2154.8	2160.8	2160.8
5°	2207.1	2203.1	2207.1	2207.1	2205.1	2201.1	2181.0	2176.9	2181.0	2183.0	2178.9
7.5°	2215.2	2209.1	2215.2	2211.1	2211.1	2207.1	2187.0	2183.0	2185.0	2191.0	2185.0
10°	2215.2	2209.1	2215.2	2213.2	2211.1	2207.1	2187.0	2178.9	2178.9	2185.0	2178.9
12.5°	2205.1	2201.1	2205.1	2201.1	2201.1	2197.1	2176.9	2168.9	2170.9	2172.9	2164.9
15°	2189.0	2183.0	2189.0	2185.0	2187.0	2181.0	2158.8	2150.8	2150.8	2154.8	2140.7
17.5°	2164.9	2156.8	2164.9	2162.9	2160.8	2156.8	2136.7	2128.7	2126.6	2128.7	2118.6
20°	2136.7	2130.7	2136.7	2134.7	2134.7	2126.6	2106.5	2096.5	2096.5	2096.5	2086.4
22.5°	2092.4	2086.4	2092.4	2096.5	2096.5	2094.4	2076.3	2062.3	2058.2	2058.2	2046.2
25°	2042.1	2036.1	2042.1	2042.1	2040.1	2042.1	2036.1	2028.1	2022.0	2016.0	2003.9
27.5°	1993.8	1989.8	1993.8	1989.8	1993.8	1987.8	1985.8	1983.8	1975.7	1969.7	1953.6
30°	1945.6	1941.5	1945.6	1941.5	1937.5	1933.5	1923.4	1919.4	1927.5	1923.4	1897.3
32.5°	1885.2	1881.2	1885.2	1885.2	1881.2	1881.2	1865.1	1859.0	1861.1	1873.1	1849.0
35°	1822.8	1816.8	1822.8	1820.8	1822.8	1816.8	1806.7	1804.7	1796.7	1810.8	1792.7
37.5°	1750.4	1744.4	1750.4	1750.4	1750.4	1754.4	1746.4	1740.3	1728.3	1746.4	1732.3
40°	1676.0	1667.9	1676.0	1673.9	1676.0	1680.0	1676.0	1671.9	1659.9	1673.9	1661.9
42.5°	1591.5	1589.4	1591.5	1593.5	1593.5	1601.5	1607.6	1599.5	1595.5	1585.4	1593.5
45°	1500.9	1496.9	1500.9	1504.9	1507.0	1511.0	1529.1	1529.1	1523.1	1507.0	1519.0
47.5°	1404.3	1394.3	1404.3	1416.4	1416.4	1422.5	1440.6	1454.6	1444.6	1424.5	1430.5
50°	1301.7	1303.7	1301.7	1309.8	1309.8	1331.9	1346.0	1360.1	1370.1	1346.0	1317.8
52.5°	1201.1	1199.1	1201.1	1207.2	1215.2	1225.3	1249.4	1263.5	1279.6	1265.5	1221.3
55°	1100.5	1104.6	1100.5	1102.6	1106.6	1112.6	1148.8	1162.9	1193.1	1175.0	1128.7
57.5°	999.9	993.9	999.9	1004.0	1006.0	1012.0	1042.2	1068.3	1086.5	1088.5	1032.1
60°	883.2	875.2	883.2	901.4	905.4	909.4	937.6	961.7	977.8	983.8	925.5
62.5°	780.6	766.6	780.6	792.7	800.8	810.8	830.9	867.2	881.2	883.2	800.8
65°	672.0	666.0	672.0	696.1	698.1	710.2	732.4	758.5	788.7	784.7	666.0
67.5°	573.4	573.4	573.4	589.5	601.6	607.6	635.8	647.9	686.1	690.1	555.3
70°	482.9	480.9	482.9	494.9	503.0	517.1	543.2	557.3	587.5	597.6	450.7
72.5°	396.4	394.3	396.4	406.4	414.5	426.5	448.7	464.8	490.9	503.0	350.1
75°	319.9	315.9	319.9	327.9	325.9	342.0	360.1	376.2	400.4	408.4	259.5
77.5°	245.5	245.5	245.5	253.5	253.5	269.6	277.7	297.8	311.9	323.9	191.1
80°	183.1	181.1	183.1	185.1	185.1	193.1	207.2	221.3	233.4	233.4	130.8
82.5°	128.8	124.7	128.8	128.8	128.8	132.8	140.8	144.9	152.9	158.9	82.5
85°	80.5	80.5	80.5	82.5	80.5	84.5	86.5	90.5	90.5	86.5	50.3
87.5°	52.3	50.3	52.3	50.3	50.3	48.3	48.3	48.3	46.3	44.3	28.2
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5	54.9	34.9
92.5°	189.9	152.2	189.9	227.7	237.1	336.1	468.1	534.1	468.9	338.6	240.8
95°	662.0	547.8	662.0	776.2	804.8	1056.9	1393.0	1561.0	1318.4	833.1	469.2
97.5°	1586.3	1368.9	1586.3	1803.7	1858.0	2017.3	2229.7	2335.9	1931.3	1122.2	515.4
100°	2285.5	2026.5	2285.5	2544.5	2609.2	2597.6	2582.1	2574.3	2125.3	1227.4	554.0
102.5°	2973.3	2751.5	2973.3	3195.1	3250.6	3047.6	2777.0	2641.7	2186.4	1275.7	592.7
105°	3850.2	3731.0	3850.2	3969.5	3999.3	3544.3	2937.6	2634.2	2193.3	1311.5	650.1
107.5°	4424.7	4453.5	4424.7	4395.8	4388.6	3753.9	2907.6	2484.4	2095.6	1318.1	735.0
110°	4643.7	4768.0	4643.7	4519.5	4488.4	3778.8	2832.7	2359.6	2009.1	1308.1	782.4



TEST NUMBER: P935013

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4663.3	4854.1	4663.3	4472.5	4424.8	3698.6	2730.3	2246.1	1933.6	1308.6	839.8
115°	4539.6	4804.1	4539.6	4275.0	4208.9	3509.3	2576.5	2110.1	1846.9	1320.6	925.9
117.5°	4277.4	4570.8	4277.4	3984.0	3910.7	3279.3	2437.4	2016.5	1792.7	1345.2	1009.5
120°	4066.1	4351.2	4066.1	3781.1	3709.8	3132.9	2363.7	1979.1	1774.5	1365.2	1058.2
122.5°	3860.3	4141.5	3860.3	3579.2	3508.9	2989.4	2296.7	1950.4	1764.9	1393.9	1115.6
125°	3566.8	3825.8	3566.8	3307.8	3243.1	2801.8	2213.4	1919.2	1757.0	1432.5	1189.2
127.5°	3302.9	3521.4	3302.9	3084.3	3029.7	2650.8	2145.6	1893.0	1752.4	1471.2	1260.3
130°	3147.3	3349.2	3147.3	2945.5	2895.0	2557.7	2107.9	1883.0	1755.2	1499.5	1307.7
132.5°	3006.2	3187.0	3006.2	2825.4	2780.2	2478.2	2075.5	1874.2	1756.9	1522.3	1346.4
135°	2812.7	2968.6	2812.7	2656.9	2617.9	2365.0	2027.9	1859.3	1755.3	1547.3	1391.3
137.5°	2657.6	2785.2	2657.6	2530.1	2498.2	2284.4	1999.3	1856.8	1766.1	1584.7	1448.7
140°	2551.2	2670.4	2551.2	2431.9	2402.1	2217.4	1971.1	1848.0	1767.9	1607.6	1487.4
142.5°	2462.9	2565.5	2462.9	2360.3	2334.7	2172.5	1956.2	1848.0	1774.2	1626.7	1516.1
145°	2330.7	2408.3	2330.7	2253.0	2233.6	2100.9	1924.0	1835.6	1774.3	1651.7	1559.8
147.5°	2229.2	2293.5	2229.2	2164.9	2148.8	2044.4	1905.2	1835.6	1786.5	1688.3	1614.7
150°	2165.3	2217.4	2165.3	2113.1	2100.1	2011.9	1894.4	1835.6	1792.9	1707.5	1643.4
152.5°	2110.6	2150.0	2110.6	2071.2	2061.4	1986.1	1885.8	1835.6	1797.0	1719.9	1662.1
155°	2047.8	2073.9	2047.8	2021.7	2015.2	1955.3	1875.5	1835.6	1806.2	1747.4	1703.3
157.5°	1998.2	2016.5	1998.2	1979.9	1975.3	1928.7	1866.6	1835.6	1815.4	1774.9	1744.5
160°	1968.5	1979.1	1968.5	1957.9	1955.3	1915.4	1862.2	1835.6	1819.5	1787.3	1763.2
162.5°	1949.1	1959.1	1949.1	1939.1	1936.6	1902.9	1858.0	1835.6	1823.9	1800.6	1783.1
165°	1921.1	1931.6	1921.1	1910.5	1907.9	1883.8	1851.7	1835.6	1830.3	1819.7	1811.8
167.5°	1901.0	1905.4	1901.0	1896.6	1895.5	1879.7	1858.6	1848.0	1843.6	1834.7	1828.1
170°	1895.5	1895.5	1895.5	1895.5	1895.5	1879.7	1858.6	1848.0	1847.7	1847.2	1846.8
172.5°	1880.6	1876.7	1880.6	1884.5	1885.5	1873.0	1856.3	1848.0	1848.0	1848.0	1848.0
175°	1871.7	1871.7	1871.7	1871.7	1871.7	1863.8	1853.3	1848.0	1850.5	1855.5	1859.3
177.5°	1863.7	1859.3	1863.7	1868.1	1869.2	1863.0	1854.7	1850.5	1852.5	1856.4	1859.3
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



TEST NUMBER: P935013

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2156.8	2144.7	2144.7	2124.6	2116.6	2110.5	2100.5	2070.3	2062.3	2054.2	2066.3
5°	2174.9	2152.8	2136.7	2100.5	2070.3	2058.2	2020.0	1947.6	1899.3	1863.1	1843.0
7.5°	2178.9	2150.8	2120.6	2064.3	1991.8	1959.6	1843.0	1710.2	1673.9	1641.8	1621.6
10°	2174.9	2142.7	2100.5	2016.0	1845.0	1788.6	1671.9	1585.4	1563.3	1557.3	1563.3
12.5°	2160.8	2130.7	2072.3	1931.5	1692.1	1653.8	1585.4	1535.1	1531.1	1541.2	1595.5
15°	2136.7	2108.5	2040.1	1818.8	1607.6	1579.4	1531.1	1513.0	1535.1	1605.5	1768.5
17.5°	2112.6	2080.4	1995.9	1708.2	1543.2	1523.1	1488.8	1525.1	1649.8	1744.4	1798.7
20°	2080.4	2042.1	1945.6	1627.7	1496.9	1478.8	1462.7	1625.7	1720.2	1754.4	1784.6
22.5°	2042.1	2001.9	1877.2	1571.3	1448.6	1434.5	1444.6	1682.0	1720.2	1744.4	1770.5
25°	1991.8	1957.6	1796.7	1527.1	1410.4	1394.3	1432.5	1676.0	1698.1	1704.1	1756.4
27.5°	1945.6	1901.3	1712.2	1486.8	1364.1	1358.1	1442.6	1649.8	1665.9	1671.9	1728.3
30°	1889.2	1822.8	1617.6	1444.6	1315.8	1313.8	1444.6	1617.6	1613.6	1629.7	1686.0
32.5°	1830.9	1706.1	1511.0	1392.3	1269.5	1267.5	1430.5	1569.3	1565.3	1587.4	1629.7
35°	1776.6	1615.6	1366.1	1331.9	1211.2	1213.2	1396.3	1513.0	1515.0	1535.1	1561.3
37.5°	1720.2	1537.1	1207.2	1265.5	1154.9	1154.9	1350.0	1460.7	1456.7	1462.7	1498.9
40°	1653.8	1414.4	1066.3	1179.0	1102.6	1096.5	1293.7	1404.3	1390.3	1388.3	1438.5
42.5°	1583.4	1279.6	961.7	1064.3	1042.2	1034.1	1225.3	1335.9	1309.8	1315.8	1380.2
45°	1507.0	1243.4	881.2	899.3	979.8	973.8	1150.8	1257.5	1239.4	1255.5	1321.9
47.5°	1430.5	1171.0	855.1	746.4	913.4	911.4	1068.3	1181.0	1171.0	1187.1	1257.5
50°	1325.9	1090.5	853.1	639.8	839.0	847.0	969.8	1106.6	1106.6	1120.7	1195.1
52.5°	1191.1	991.9	774.6	579.4	752.5	776.6	883.2	1042.2	1046.2	1060.3	1126.7
55°	1068.3	889.3	718.3	533.2	649.9	702.2	798.7	975.8	983.8	997.9	1058.3
57.5°	955.7	740.4	706.2	478.8	555.3	605.6	724.3	911.4	915.4	927.5	985.9
60°	835.0	535.2	647.9	420.5	472.8	511.0	655.9	835.0	849.0	857.1	907.4
62.5°	698.1	388.3	587.5	380.3	432.6	440.6	599.6	762.5	780.6	786.7	816.9
65°	497.0	325.9	499.0	346.1	390.3	392.3	539.2	688.1	704.2	714.2	736.4
67.5°	336.0	265.6	380.3	313.9	358.1	360.1	480.9	601.6	623.7	631.8	645.8
70°	233.4	177.1	281.7	279.7	321.9	325.9	418.5	523.1	543.2	549.3	557.3
72.5°	171.0	142.8	233.4	251.5	283.7	287.7	354.1	434.6	454.7	460.7	464.8
75°	130.8	150.9	189.1	219.3	241.4	243.4	289.7	354.1	368.2	372.2	374.2
77.5°	104.6	140.8	138.8	177.1	197.2	193.1	227.4	273.6	285.7	285.7	285.7
80°	78.5	110.7	104.6	126.8	144.9	140.8	163.0	195.2	199.2	203.2	201.2
82.5°	58.3	70.4	70.4	80.5	96.6	92.6	108.6	126.8	126.8	126.8	130.8
85°	36.2	40.2	32.2	42.3	54.3	52.3	60.4	68.4	70.4	70.4	66.4
87.5°	22.1	18.1	10.1	16.1	24.1	24.1	28.2	30.2	28.2	28.2	28.2
90°	32.4	22.5	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2
92.5°	219.6	134.7	49.9	134.7	219.6	240.8	338.6	468.9	534.1	468.1	336.1
95°	430.4	275.1	119.8	275.1	430.4	469.2	833.1	1318.4	1561.0	1393.0	1056.9
97.5°	481.1	344.1	207.1	344.1	481.1	515.4	1122.2	1931.3	2335.9	2229.7	2017.3
100°	522.9	398.7	274.5	398.7	522.9	554.0	1227.4	2125.3	2574.3	2582.1	2597.6
102.5°	563.7	447.8	331.9	447.8	563.7	592.7	1275.7	2186.4	2641.7	2777.0	3047.6
105°	625.6	527.4	429.3	527.4	625.6	650.1	1311.5	2193.3	2634.2	2937.6	3544.3
107.5°	712.1	620.6	529.1	620.6	712.1	735.0	1318.1	2095.6	2484.4	2907.6	3753.9
110°	761.7	679.1	596.5	679.1	761.7	782.4	1308.1	2009.1	2359.6	2832.7	3778.8



TEST NUMBER: P935013

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	820.1	741.4	662.6	741.4	820.1	839.8	1308.6	1933.6	2246.1	2730.3	3698.6
115°	907.7	835.1	762.4	835.1	907.7	925.9	1320.6	1846.9	2110.1	2576.5	3509.3
117.5°	993.0	927.0	861.0	927.0	993.0	1009.5	1345.2	1792.7	2016.5	2437.4	3279.3
120°	1042.7	980.5	918.4	980.5	1042.7	1058.2	1365.2	1774.5	1979.1	2363.7	3132.9
122.5°	1099.9	1037.3	974.6	1037.3	1099.9	1115.6	1393.9	1764.9	1950.4	2296.7	2989.4
125°	1174.9	1117.8	1060.7	1117.8	1174.9	1189.2	1432.5	1757.0	1919.2	2213.4	2801.8
127.5°	1245.9	1188.2	1130.5	1188.2	1245.9	1260.3	1471.2	1752.4	1893.0	2145.6	2650.8
130°	1292.2	1230.1	1168.0	1230.1	1292.2	1307.7	1499.5	1755.2	1883.0	2107.9	2557.7
132.5°	1330.9	1268.8	1206.7	1268.8	1330.9	1346.4	1522.3	1756.9	1874.2	2075.5	2478.2
135°	1377.2	1320.6	1264.1	1320.6	1377.2	1391.3	1547.3	1755.3	1859.3	2027.9	2365.0
137.5°	1434.7	1378.7	1322.7	1378.7	1434.7	1448.7	1584.7	1766.1	1856.8	1999.3	2284.4
140°	1474.5	1423.0	1371.4	1423.0	1474.5	1487.4	1607.6	1767.9	1848.0	1971.1	2217.4
142.5°	1504.2	1456.5	1408.8	1456.5	1504.2	1516.1	1626.7	1774.2	1848.0	1956.2	2172.5
145°	1549.4	1507.8	1466.2	1507.8	1549.4	1559.8	1651.7	1774.3	1835.6	1924.0	2100.9
147.5°	1604.6	1564.1	1523.6	1564.1	1604.6	1614.7	1688.3	1786.5	1835.6	1905.2	2044.4
150°	1634.2	1597.6	1561.0	1597.6	1634.2	1643.4	1707.5	1792.9	1835.6	1894.4	2011.9
152.5°	1655.2	1627.4	1599.7	1627.4	1655.2	1662.1	1719.9	1797.0	1835.6	1885.8	1986.1
155°	1698.2	1677.6	1657.1	1677.6	1698.2	1703.3	1747.4	1806.2	1835.6	1875.5	1955.3
157.5°	1739.5	1719.5	1699.5	1719.5	1739.5	1744.5	1774.9	1815.4	1835.6	1866.6	1928.7
160°	1759.3	1743.8	1728.2	1743.8	1759.3	1763.2	1787.3	1819.5	1835.6	1862.2	1915.4
162.5°	1780.2	1768.5	1756.9	1768.5	1780.2	1783.1	1800.6	1823.9	1835.6	1858.0	1902.9
165°	1809.2	1798.6	1788.1	1798.6	1809.2	1811.8	1819.7	1830.3	1835.6	1851.7	1883.8
167.5°	1826.8	1821.8	1816.8	1821.8	1826.8	1828.1	1834.7	1843.6	1848.0	1858.6	1879.7
170°	1845.6	1840.6	1835.6	1840.6	1845.6	1846.8	1847.2	1847.7	1848.0	1858.6	1879.7
172.5°	1847.7	1846.6	1845.5	1846.6	1847.7	1848.0	1848.0	1848.0	1848.0	1856.3	1873.0
175°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1855.5	1850.5	1848.0	1853.3	1863.8
177.5°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1856.4	1852.5	1850.5	1854.7	1863.0
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



TEST NUMBER: P935013

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2052.2	2046.2	2054.2	2032.1	2054.2	2046.2	2052.2	2066.3	2054.2	2062.3	2070.3
5°	1800.7	1790.6	1758.5	1732.3	1758.5	1790.6	1800.7	1843.0	1863.1	1899.3	1947.6
7.5°	1609.6	1601.5	1593.5	1577.4	1593.5	1601.5	1609.6	1621.6	1641.8	1673.9	1710.2
10°	1567.3	1569.3	1581.4	1579.4	1581.4	1569.3	1567.3	1563.3	1557.3	1563.3	1585.4
12.5°	1676.0	1694.1	1760.5	1756.4	1760.5	1694.1	1676.0	1595.5	1541.2	1531.1	1535.1
15°	1800.7	1806.7	1820.8	1822.8	1820.8	1806.7	1800.7	1768.5	1605.5	1535.1	1513.0
17.5°	1812.8	1814.8	1824.8	1824.8	1824.8	1814.8	1812.8	1798.7	1744.4	1649.8	1525.1
20°	1802.7	1806.7	1826.9	1830.9	1826.9	1806.7	1802.7	1784.6	1754.4	1720.2	1625.7
22.5°	1798.7	1806.7	1822.8	1820.8	1822.8	1806.7	1798.7	1770.5	1744.4	1720.2	1682.0
25°	1778.6	1778.6	1780.6	1782.6	1780.6	1778.6	1778.6	1756.4	1704.1	1698.1	1676.0
27.5°	1736.3	1740.3	1752.4	1750.4	1752.4	1740.3	1736.3	1728.3	1671.9	1665.9	1649.8
30°	1698.1	1694.1	1684.0	1676.0	1684.0	1694.1	1698.1	1686.0	1629.7	1613.6	1617.6
32.5°	1633.7	1623.6	1613.6	1607.6	1613.6	1623.6	1633.7	1629.7	1587.4	1565.3	1569.3
35°	1557.3	1559.3	1557.3	1551.2	1557.3	1559.3	1557.3	1561.3	1535.1	1515.0	1513.0
37.5°	1502.9	1507.0	1504.9	1496.9	1504.9	1507.0	1502.9	1498.9	1462.7	1456.7	1460.7
40°	1446.6	1448.6	1446.6	1440.6	1446.6	1448.6	1446.6	1438.5	1388.3	1390.3	1404.3
42.5°	1392.3	1390.3	1384.2	1380.2	1384.2	1390.3	1392.3	1380.2	1315.8	1309.8	1335.9
45°	1329.9	1331.9	1319.8	1313.8	1319.8	1331.9	1329.9	1321.9	1255.5	1239.4	1257.5
47.5°	1267.5	1267.5	1257.5	1251.4	1257.5	1267.5	1267.5	1257.5	1187.1	1171.0	1181.0
50°	1201.1	1199.1	1185.0	1183.0	1185.0	1199.1	1201.1	1195.1	1120.7	1106.6	1106.6
52.5°	1124.7	1124.7	1126.7	1130.7	1126.7	1124.7	1124.7	1126.7	1060.3	1046.2	1042.2
55°	1058.3	1060.3	1074.4	1078.4	1074.4	1060.3	1058.3	1058.3	997.9	983.8	975.8
57.5°	989.9	989.9	999.9	999.9	999.9	989.9	989.9	985.9	927.5	915.4	911.4
60°	911.4	915.4	923.5	921.5	923.5	915.4	911.4	907.4	857.1	849.0	835.0
62.5°	828.9	833.0	835.0	830.9	835.0	833.0	828.9	816.9	786.7	780.6	762.5
65°	742.4	746.4	748.4	744.4	748.4	746.4	742.4	736.4	714.2	704.2	688.1
67.5°	653.9	651.9	649.9	657.9	649.9	651.9	653.9	645.8	631.8	623.7	601.6
70°	563.3	563.3	561.3	565.4	561.3	563.3	563.3	557.3	549.3	543.2	523.1
72.5°	466.8	464.8	472.8	466.8	472.8	464.8	466.8	464.8	460.7	454.7	434.6
75°	372.2	376.2	372.2	378.2	372.2	376.2	372.2	374.2	372.2	368.2	354.1
77.5°	283.7	287.7	283.7	283.7	283.7	287.7	283.7	285.7	285.7	285.7	273.6
80°	201.2	199.2	199.2	197.2	199.2	199.2	201.2	201.2	203.2	199.2	195.2
82.5°	128.8	126.8	126.8	130.8	126.8	126.8	128.8	130.8	126.8	126.8	126.8
85°	70.4	72.4	68.4	68.4	68.4	72.4	70.4	66.4	70.4	70.4	68.4
87.5°	26.2	24.1	24.1	24.1	24.1	24.1	26.2	28.2	28.2	28.2	30.2
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5
92.5°	237.1	227.7	189.9	152.2	189.9	227.7	237.1	336.1	468.1	534.1	468.9
95°	804.8	776.2	662.0	547.8	662.0	776.2	804.8	1056.9	1393.0	1561.0	1318.4
97.5°	1858.0	1803.7	1586.3	1368.9	1586.3	1803.7	1858.0	2017.3	2229.7	2335.9	1931.3
100°	2609.2	2544.5	2285.5	2026.5	2285.5	2544.5	2609.2	2597.6	2582.1	2574.3	2125.3
102.5°	3250.6	3195.1	2973.3	2751.5	2973.3	3195.1	3250.6	3047.6	2777.0	2641.7	2186.4
105°	3999.3	3969.5	3850.2	3731.0	3850.2	3969.5	3999.3	3544.3	2937.6	2634.2	2193.3
107.5°	4388.6	4395.8	4424.7	4453.5	4424.7	4395.8	4388.6	3753.9	2907.6	2484.4	2095.6
110°	4488.4	4519.5	4643.7	4768.0	4643.7	4519.5	4488.4	3778.8	2832.7	2359.6	2009.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4424.8	4472.5	4663.3	4854.1	4663.3	4472.5	4424.8	3698.6	2730.3	2246.1	1933.6
115°	4208.9	4275.0	4539.6	4804.1	4539.6	4275.0	4208.9	3509.3	2576.5	2110.1	1846.9
117.5°	3910.7	3984.0	4277.4	4570.8	4277.4	3984.0	3910.7	3279.3	2437.4	2016.5	1792.7
120°	3709.8	3781.1	4066.1	4351.2	4066.1	3781.1	3709.8	3132.9	2363.7	1979.1	1774.5
122.5°	3508.9	3579.2	3860.3	4141.5	3860.3	3579.2	3508.9	2989.4	2296.7	1950.4	1764.9
125°	3243.1	3307.8	3566.8	3825.8	3566.8	3307.8	3243.1	2801.8	2213.4	1919.2	1757.0
127.5°	3029.7	3084.3	3302.9	3521.4	3302.9	3084.3	3029.7	2650.8	2145.6	1893.0	1752.4
130°	2895.0	2945.5	3147.3	3349.2	3147.3	2945.5	2895.0	2557.7	2107.9	1883.0	1755.2
132.5°	2780.2	2825.4	3006.2	3187.0	3006.2	2825.4	2780.2	2478.2	2075.5	1874.2	1756.9
135°	2617.9	2656.9	2812.7	2968.6	2812.7	2656.9	2617.9	2365.0	2027.9	1859.3	1755.3
137.5°	2498.2	2530.1	2657.6	2785.2	2657.6	2530.1	2498.2	2284.4	1999.3	1856.8	1766.1
140°	2402.1	2431.9	2551.2	2670.4	2551.2	2431.9	2402.1	2217.4	1971.1	1848.0	1767.9
142.5°	2334.7	2360.3	2462.9	2565.5	2462.9	2360.3	2334.7	2172.5	1956.2	1848.0	1774.2
145°	2233.6	2253.0	2330.7	2408.3	2330.7	2253.0	2233.6	2100.9	1924.0	1835.6	1774.3
147.5°	2148.8	2164.9	2229.2	2293.5	2229.2	2164.9	2148.8	2044.4	1905.2	1835.6	1786.5
150°	2100.1	2113.1	2165.3	2217.4	2165.3	2113.1	2100.1	2011.9	1894.4	1835.6	1792.9
152.5°	2061.4	2071.2	2110.6	2150.0	2110.6	2071.2	2061.4	1986.1	1885.8	1835.6	1797.0
155°	2015.2	2021.7	2047.8	2073.9	2047.8	2021.7	2015.2	1955.3	1875.5	1835.6	1806.2
157.5°	1975.3	1979.9	1998.2	2016.5	1998.2	1979.9	1975.3	1928.7	1866.6	1835.6	1815.4
160°	1955.3	1957.9	1968.5	1979.1	1968.5	1957.9	1955.3	1915.4	1862.2	1835.6	1819.5
162.5°	1936.6	1939.1	1949.1	1959.1	1949.1	1939.1	1936.6	1902.9	1858.0	1835.6	1823.9
165°	1907.9	1910.5	1921.1	1931.6	1921.1	1910.5	1907.9	1883.8	1851.7	1835.6	1830.3
167.5°	1895.5	1896.6	1901.0	1905.4	1901.0	1896.6	1895.5	1879.7	1858.6	1848.0	1843.6
170°	1895.5	1895.5	1895.5	1895.5	1895.5	1895.5	1895.5	1879.7	1858.6	1848.0	1847.7
172.5°	1885.5	1884.5	1880.6	1876.7	1880.6	1884.5	1885.5	1873.0	1856.3	1848.0	1848.0
175°	1871.7	1871.7	1871.7	1871.7	1871.7	1871.7	1871.7	1863.8	1853.3	1848.0	1850.5
177.5°	1869.2	1868.1	1863.7	1859.3	1863.7	1868.1	1869.2	1863.0	1854.7	1850.5	1852.5
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2126.6	2126.6	2126.6	2126.6	2126.6
2.5°	2100.5	2110.5	2116.6	2124.6	2144.7
5°	2020.0	2058.2	2070.3	2100.5	2136.7
7.5°	1843.0	1959.6	1991.8	2064.3	2120.6
10°	1671.9	1788.6	1845.0	2016.0	2100.5
12.5°	1585.4	1653.8	1692.1	1931.5	2072.3
15°	1531.1	1579.4	1607.6	1818.8	2040.1
17.5°	1488.8	1523.1	1543.2	1708.2	1995.9
20°	1462.7	1478.8	1496.9	1627.7	1945.6
22.5°	1444.6	1434.5	1448.6	1571.3	1877.2
25°	1432.5	1394.3	1410.4	1527.1	1796.7
27.5°	1442.6	1358.1	1364.1	1486.8	1712.2
30°	1444.6	1313.8	1315.8	1444.6	1617.6
32.5°	1430.5	1267.5	1269.5	1392.3	1511.0
35°	1396.3	1213.2	1211.2	1331.9	1366.1
37.5°	1350.0	1154.9	1154.9	1265.5	1207.2
40°	1293.7	1096.5	1102.6	1179.0	1066.3
42.5°	1225.3	1034.1	1042.2	1064.3	961.7
45°	1150.8	973.8	979.8	899.3	881.2
47.5°	1068.3	911.4	913.4	746.4	855.1
50°	969.8	847.0	839.0	639.8	853.1
52.5°	883.2	776.6	752.5	579.4	774.6
55°	798.7	702.2	649.9	533.2	718.3
57.5°	724.3	605.6	555.3	478.8	706.2
60°	655.9	511.0	472.8	420.5	647.9
62.5°	599.6	440.6	432.6	380.3	587.5
65°	539.2	392.3	390.3	346.1	499.0
67.5°	480.9	360.1	358.1	313.9	380.3
70°	418.5	325.9	321.9	279.7	281.7
72.5°	354.1	287.7	283.7	251.5	233.4
75°	289.7	243.4	241.4	219.3	189.1
77.5°	227.4	193.1	197.2	177.1	138.8
80°	163.0	140.8	144.9	126.8	104.6
82.5°	108.6	92.6	96.6	80.5	70.4
85°	60.4	52.3	54.3	42.3	32.2
87.5°	28.2	24.1	24.1	16.1	10.1
90°	54.9	34.9	32.4	22.5	12.5
92.5°	338.6	240.8	219.6	134.7	49.9
95°	833.1	469.2	430.4	275.1	119.8
97.5°	1122.2	515.4	481.1	344.1	207.1
100°	1227.4	554.0	522.9	398.7	274.5
102.5°	1275.7	592.7	563.7	447.8	331.9
105°	1311.5	650.1	625.6	527.4	429.3
107.5°	1318.1	735.0	712.1	620.6	529.1
110°	1308.1	782.4	761.7	679.1	596.5



TEST NUMBER: P935013

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1308.6	839.8	820.1	741.4	662.6
115°	1320.6	925.9	907.7	835.1	762.4
117.5°	1345.2	1009.5	993.0	927.0	861.0
120°	1365.2	1058.2	1042.7	980.5	918.4
122.5°	1393.9	1115.6	1099.9	1037.3	974.6
125°	1432.5	1189.2	1174.9	1117.8	1060.7
127.5°	1471.2	1260.3	1245.9	1188.2	1130.5
130°	1499.5	1307.7	1292.2	1230.1	1168.0
132.5°	1522.3	1346.4	1330.9	1268.8	1206.7
135°	1547.3	1391.3	1377.2	1320.6	1264.1
137.5°	1584.7	1448.7	1434.7	1378.7	1322.7
140°	1607.6	1487.4	1474.5	1423.0	1371.4
142.5°	1626.7	1516.1	1504.2	1456.5	1408.8
145°	1651.7	1559.8	1549.4	1507.8	1466.2
147.5°	1688.3	1614.7	1604.6	1564.1	1523.6
150°	1707.5	1643.4	1634.2	1597.6	1561.0
152.5°	1719.9	1662.1	1655.2	1627.4	1599.7
155°	1747.4	1703.3	1698.2	1677.6	1657.1
157.5°	1774.9	1744.5	1739.5	1719.5	1699.5
160°	1787.3	1763.2	1759.3	1743.8	1728.2
162.5°	1800.6	1783.1	1780.2	1768.5	1756.9
165°	1819.7	1811.8	1809.2	1798.6	1788.1
167.5°	1834.7	1828.1	1826.8	1821.8	1816.8
170°	1847.2	1846.8	1845.6	1840.6	1835.6
172.5°	1848.0	1848.0	1847.7	1846.6	1845.5
175°	1855.5	1859.3	1859.3	1859.3	1859.3
177.5°	1856.4	1859.3	1859.3	1859.3	1859.3
180°	1859.3	1859.3	1859.3	1859.3	1859.3



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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	9.33	10.05	10.44	11.15	12.66	12.18	12.90	13.29	14.00	15.51
	3H	9.80	10.44	10.91	11.55	13.08	13.53	14.17	14.64	15.27	16.80
	4H	9.98	10.59	11.10	11.70	13.24	13.97	14.57	15.09	15.68	17.22
	6H	10.09	10.65	11.22	11.76	13.31	14.25	14.81	15.38	15.92	17.47
	8H	10.09	10.62	11.22	11.75	13.29	14.32	14.85	15.46	15.98	17.52
	12H	10.06	10.56	11.19	11.68	13.25	14.36	14.86	15.50	15.98	17.55
4H	2H	10.35	10.96	11.48	12.07	13.60	12.57	13.18	13.70	14.29	15.83
	3H	11.37	11.87	12.50	13.01	14.56	14.07	14.58	15.21	15.71	17.26
	4H	11.64	12.10	12.77	13.22	14.79	14.60	15.06	15.74	16.19	17.76
	6H	11.75	12.15	12.90	13.30	14.86	14.96	15.36	16.11	16.51	18.07
	8H	11.75	12.13	12.90	13.26	14.84	15.07	15.44	16.21	16.58	18.16
	12H	11.71	12.05	12.87	13.20	14.78	15.12	15.46	16.28	16.61	18.19
8H	4H	12.08	12.45	13.22	13.59	15.17	14.71	15.08	15.85	16.22	17.80
	6H	12.34	12.64	13.50	13.82	15.40	15.15	15.45	16.31	16.63	18.21
	8H	12.38	12.65	13.55	13.80	15.40	15.30	15.57	16.47	16.73	18.32
	12H	12.35	12.59	13.53	13.75	15.37	15.40	15.63	16.57	16.79	18.42
12H	4H	12.08	12.42	13.24	13.57	15.15	14.67	15.01	15.83	16.16	17.74
	6H	12.40	12.67	13.57	13.82	15.42	15.14	15.41	16.31	16.57	18.16
	8H	12.46	12.69	13.63	13.85	15.48	15.30	15.54	16.47	16.69	18.32