

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: P935029

Luminaire Tested: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

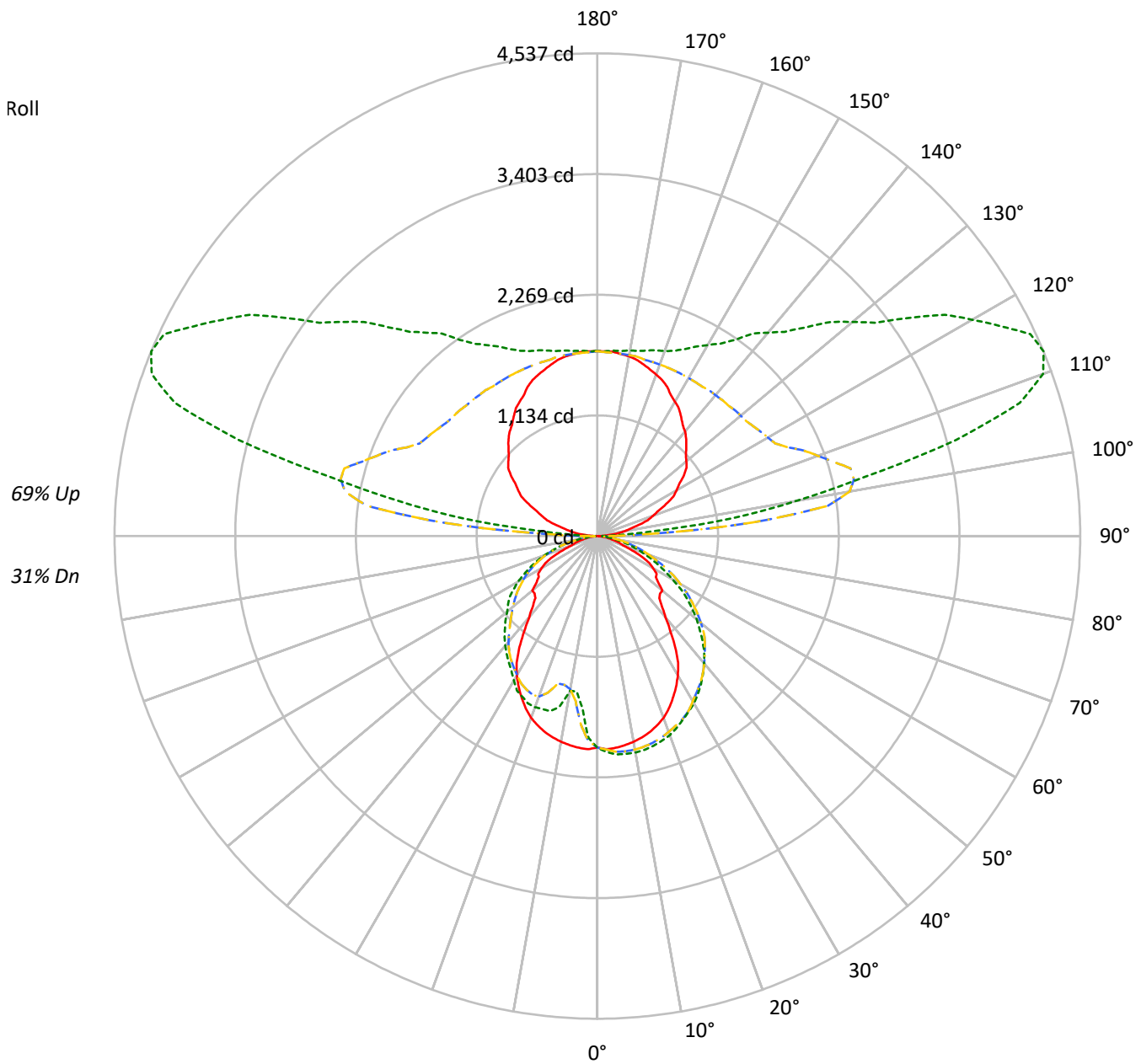
Test Method: LM-79-2019  
Report Number: P935029  
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16426.6 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 123.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
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°	6148	6148	6148	6148
5°	6197	6207	6197	4880
10°	6157	6114	6157	4371
15°	6093	5981	6093	4994
20°	5968	5825	5968	5005
25°	5709	5596	5709	4899
30°	5374	5405	5374	4666
35°	4794	5165	4794	4410
40°	3996	4882	3996	4217
45°	3573	4551	3573	3994
50°	3799	4156	3799	3771
55°	3578	3731	3578	3642
60°	3693	3168	3693	3336
65°	3354	2619	3354	2928
70°	2328	2087	2328	2454
75°	2049	1543	2049	1847
80°	1663	1020	1663	1111
85°	975	540	975	459

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5473 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.4	1.1
10°-20°	509.5	3.1
20°-30°	787.5	4.8
30°-40°	940.1	5.7
40°-50°	945.7	5.8
50°-60°	822.8	5.0
60°-70°	583.4	3.6
70°-80°	308.7	1.9
80°-90°	83.5	0.5
90°-100°	847.1	5.2
100°-110°	2227.2	13.6
110°-120°	2309.3	14.1
120°-130°	1852.4	11.3
130°-140°	1453.4	8.8
140°-150°	1115.6	6.8
150°-160°	803.4	4.9
160°-170°	491.6	3.0
170°-180°	166.1	1.0
0°-30°	1476.4	9.0
0°-40°	2416.6	14.7
0°-60°	4185.0	25.5
0°-90°	5160.6	31.4
90°-120°	5383.6	32.8
90°-150°	9804.9	59.7
90°-180°	11266.0	68.6
0°-180°	16426.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1988	1988	1988	1988	1988	
5°	1997	2059	1997	1619	1997	189
15°	1907	2040	1907	1704	1907	537
25°	1679	1903	1679	1666	1679	771
35°	1277	1698	1277	1450	1277	790
45°	824	1399	824	1228	824	660
55°	671	1032	671	1008	671	617
65°	466	622	466	696	466	446
75°	177	295	177	354	177	186
85°	30	75	30	64	30	41
90°	12	44	12	44	12	11
95°	112	512	112	512	112	124
105°	401	3487	401	3487	401	425
115°	713	4490	713	4490	713	704
125°	991	3576	991	3576	991	880
135°	1182	2775	1182	2775	1182	914
145°	1370	2251	1370	2251	1370	859
155°	1549	1938	1549	1938	1549	712
165°	1671	1806	1671	1806	1671	472
175°	1738	1750	1738	1750	1738	165
180°	1738	1738	1738	1738	1738	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2004.7	2004.7	2016.0	2019.7	2019.7	2014.1	2008.5	2014.1	2031.0	2036.6	2034.8
5°	1997.2	2012.2	2032.9	2036.6	2040.5	2038.6	2034.8	2038.6	2057.4	2061.1	2063.0
7.5°	1982.1	2010.4	2036.6	2042.3	2047.9	2042.3	2040.5	2044.2	2063.0	2066.7	2066.7
10°	1963.3	2002.8	2032.9	2036.6	2042.3	2036.6	2036.6	2044.2	2063.0	2066.7	2068.7
12.5°	1937.0	1991.6	2019.7	2023.5	2031.0	2029.2	2027.3	2034.8	2053.6	2057.4	2057.4
15°	1906.9	1970.8	1997.2	2000.9	2014.1	2010.4	2010.4	2017.8	2038.6	2044.2	2042.3
17.5°	1865.6	1944.6	1974.7	1980.3	1989.7	1987.7	1989.7	1997.2	2016.0	2019.7	2021.7
20°	1818.6	1908.8	1944.6	1950.2	1959.6	1959.6	1959.6	1969.0	1987.7	1995.3	1995.3
22.5°	1754.6	1871.2	1908.8	1912.6	1923.8	1923.8	1927.6	1940.7	1957.6	1959.6	1959.6
25°	1679.4	1829.8	1861.7	1873.1	1884.4	1890.0	1895.7	1903.2	1908.8	1906.9	1908.8
27.5°	1600.4	1777.2	1818.6	1826.0	1841.1	1846.7	1854.3	1856.1	1858.0	1863.6	1859.9
30°	1512.0	1703.8	1765.8	1773.4	1797.8	1801.6	1794.1	1797.8	1807.3	1811.0	1814.7
32.5°	1412.3	1594.7	1711.4	1728.3	1750.8	1739.6	1737.6	1743.3	1758.4	1758.4	1762.1
35°	1276.9	1510.1	1660.6	1675.6	1692.6	1679.4	1686.9	1688.7	1698.2	1703.8	1701.9
37.5°	1128.4	1436.7	1607.9	1619.2	1632.4	1615.5	1626.7	1632.4	1639.8	1636.1	1636.1
40°	996.7	1322.0	1545.8	1553.4	1564.6	1551.5	1562.7	1566.6	1570.3	1566.6	1564.6
42.5°	898.9	1196.0	1480.0	1489.5	1481.9	1491.3	1495.1	1502.6	1496.9	1489.5	1489.5
45°	823.7	1162.2	1408.6	1419.8	1408.6	1423.7	1429.3	1429.3	1412.3	1408.6	1406.6
47.5°	799.3	1094.5	1337.1	1337.1	1331.5	1350.3	1359.6	1346.5	1329.6	1323.9	1323.9
50°	797.4	1019.3	1239.3	1231.8	1258.1	1280.6	1271.3	1258.1	1244.9	1224.3	1224.3
52.5°	724.0	927.1	1113.3	1141.6	1182.9	1196.0	1181.0	1167.8	1145.3	1135.9	1128.4
55°	671.4	831.2	998.5	1055.0	1098.3	1115.2	1087.0	1073.8	1040.0	1034.3	1030.6
57.5°	660.1	692.1	893.3	964.7	1017.4	1015.6	998.5	974.2	945.9	940.3	938.4
60°	605.6	500.3	780.5	865.1	919.6	914.0	898.9	876.4	850.0	846.3	842.5
62.5°	549.1	362.9	652.5	748.5	825.5	823.7	810.6	776.6	757.9	748.5	740.9
65°	466.4	304.6	464.5	622.5	733.5	737.2	709.0	684.6	663.8	652.5	650.6
67.5°	355.5	248.3	314.1	519.0	645.0	641.3	605.6	594.3	567.9	562.3	551.0
70°	263.3	165.5	218.2	421.3	558.6	549.1	520.9	507.7	483.3	470.2	462.6
72.5°	218.2	133.5	159.8	327.2	470.2	458.8	434.5	419.4	398.7	387.4	379.9
75°	176.8	141.0	122.3	242.6	381.7	374.3	351.6	336.6	319.7	304.6	306.5
77.5°	129.7	131.6	97.8	178.6	302.8	291.5	278.4	259.6	252.0	236.9	236.9
80°	97.8	103.5	73.4	122.3	218.2	218.2	206.9	193.7	180.5	173.0	173.0
82.5°	65.8	65.8	54.5	77.1	148.5	142.9	135.4	131.6	124.1	120.4	120.4
85°	30.1	37.6	33.8	47.0	80.9	84.6	84.6	80.9	79.0	75.2	77.1
87.5°	9.4	16.9	20.7	26.4	41.4	43.3	45.1	45.1	45.1	47.0	47.0
90°	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1	44.3	44.3
92.5°	46.6	125.9	205.3	225.1	316.5	438.3	499.2	437.5	314.2	221.6	212.8
95°	112.0	257.1	402.3	438.6	778.7	1232.3	1459.1	1302.0	987.9	752.3	725.5
97.5°	193.6	321.6	449.7	481.7	1048.9	1805.2	2183.4	2084.1	1885.6	1736.7	1685.9
100°	256.6	372.7	488.8	517.8	1147.3	1986.5	2406.2	2413.5	2428.0	2438.8	2378.4
102.5°	310.2	418.6	526.9	554.0	1192.4	2043.6	2469.2	2595.7	2848.6	3038.4	2986.5
105°	401.3	493.0	584.8	607.7	1225.9	2050.1	2462.2	2745.8	3312.9	3738.2	3710.3
107.5°	494.6	580.1	665.6	687.0	1232.0	1958.8	2322.2	2717.8	3508.8	4102.1	4108.8
110°	557.6	634.8	712.0	731.3	1222.7	1877.9	2205.5	2647.7	3532.1	4195.3	4224.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	619.3	693.0	766.6	785.0	1223.2	1807.3	2099.4	2552.0	3457.1	4135.9	4180.5
115°	712.6	780.6	848.4	865.4	1234.4	1726.3	1972.3	2408.3	3280.2	3934.1	3995.9
117.5°	804.8	866.5	928.2	943.6	1257.4	1675.6	1884.8	2278.3	3065.2	3655.4	3723.9
120°	858.4	916.5	974.6	989.1	1276.1	1658.6	1849.9	2209.4	2928.3	3467.6	3534.2
122.5°	911.0	969.6	1028.1	1042.8	1302.9	1649.7	1823.1	2146.7	2794.2	3279.8	3345.5
125°	991.4	1044.8	1098.2	1111.6	1339.0	1642.3	1793.9	2068.9	2618.9	3031.3	3091.8
127.5°	1056.7	1110.6	1164.6	1178.0	1375.1	1638.0	1769.4	2005.5	2477.7	2831.9	2882.9
130°	1091.7	1149.8	1207.8	1222.3	1401.6	1640.6	1760.1	1970.3	2390.7	2706.0	2753.2
132.5°	1127.9	1186.0	1244.0	1258.5	1422.9	1642.2	1751.8	1940.0	2316.4	2598.7	2640.9
135°	1181.6	1234.4	1287.3	1300.5	1446.3	1640.7	1737.9	1895.5	2210.6	2447.0	2483.4
137.5°	1236.3	1288.7	1341.0	1354.1	1481.2	1650.8	1735.6	1868.8	2135.2	2335.1	2364.9
140°	1281.9	1330.1	1378.2	1390.3	1502.6	1652.5	1727.3	1842.4	2072.6	2245.3	2273.1
142.5°	1316.8	1361.4	1406.0	1417.1	1520.5	1658.4	1727.3	1828.5	2030.6	2182.3	2206.2
145°	1370.5	1409.3	1448.2	1458.0	1543.9	1658.4	1715.7	1798.4	1963.7	2087.8	2105.9
147.5°	1424.1	1462.0	1499.8	1509.3	1578.1	1669.9	1715.7	1780.8	1910.9	2008.5	2023.5
150°	1459.1	1493.3	1527.5	1536.1	1596.0	1675.8	1715.7	1770.7	1880.5	1963.0	1975.1
152.5°	1495.2	1521.1	1547.1	1553.6	1607.6	1679.7	1715.7	1762.7	1856.4	1926.8	1936.0
155°	1548.9	1568.1	1587.3	1592.1	1633.3	1688.3	1715.7	1753.0	1827.6	1883.6	1889.7
157.5°	1588.5	1607.2	1625.9	1630.6	1659.0	1696.9	1715.7	1744.7	1802.8	1846.3	1850.6
160°	1615.4	1629.9	1644.4	1648.1	1670.6	1700.7	1715.7	1740.6	1790.3	1827.6	1830.1
162.5°	1642.2	1653.0	1664.0	1666.7	1683.0	1704.8	1715.7	1736.7	1778.7	1810.2	1812.5
165°	1671.3	1681.2	1691.1	1693.5	1700.9	1710.8	1715.7	1730.8	1760.8	1783.3	1785.8
167.5°	1698.2	1702.8	1707.5	1708.7	1714.9	1723.2	1727.3	1737.2	1757.0	1771.7	1772.8
170°	1715.7	1720.4	1725.1	1726.2	1726.6	1727.1	1727.3	1737.2	1757.0	1771.7	1771.7
172.5°	1725.0	1726.0	1727.1	1727.3	1727.3	1727.3	1727.3	1735.1	1750.7	1762.4	1761.5
175°	1737.9	1737.9	1737.9	1737.9	1734.3	1729.7	1727.3	1732.3	1742.1	1749.5	1749.5
177.5°	1737.9	1737.9	1737.9	1737.9	1735.2	1731.5	1729.7	1733.6	1741.4	1747.2	1746.1
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2038.6	2032.9	2038.6	2034.8	2036.6	2031.0	2014.1	2008.5	2014.1	2019.7	2019.7
5°	2063.0	2059.3	2063.0	2063.0	2061.1	2057.4	2038.6	2034.8	2038.6	2040.5	2036.6
7.5°	2070.6	2064.9	2070.6	2066.7	2066.7	2063.0	2044.2	2040.5	2042.3	2047.9	2042.3
10°	2070.6	2064.9	2070.6	2068.7	2066.7	2063.0	2044.2	2036.6	2036.6	2042.3	2036.6
12.5°	2061.1	2057.4	2061.1	2057.4	2057.4	2053.6	2034.8	2027.3	2029.2	2031.0	2023.5
15°	2046.1	2040.5	2046.1	2042.3	2044.2	2038.6	2017.8	2010.4	2010.4	2014.1	2000.9
17.5°	2023.5	2016.0	2023.5	2021.7	2019.7	2016.0	1997.2	1989.7	1987.7	1989.7	1980.3
20°	1997.2	1991.6	1997.2	1995.3	1995.3	1987.7	1969.0	1959.6	1959.6	1959.6	1950.2
22.5°	1955.8	1950.2	1955.8	1959.6	1959.6	1957.6	1940.7	1927.6	1923.8	1923.8	1912.6
25°	1908.8	1903.2	1908.8	1908.8	1906.9	1908.8	1903.2	1895.7	1890.0	1884.4	1873.1
27.5°	1863.6	1859.9	1863.6	1859.9	1863.6	1858.0	1856.1	1854.3	1846.7	1841.1	1826.0
30°	1818.6	1814.7	1818.6	1814.7	1811.0	1807.3	1797.8	1794.1	1801.6	1797.8	1773.4
32.5°	1762.1	1758.4	1762.1	1762.1	1758.4	1758.4	1743.3	1737.6	1739.6	1750.8	1728.3
35°	1703.8	1698.2	1703.8	1701.9	1703.8	1698.2	1688.7	1686.9	1679.4	1692.6	1675.6
37.5°	1636.1	1630.5	1636.1	1636.1	1636.1	1639.8	1632.4	1626.7	1615.5	1632.4	1619.2
40°	1566.6	1559.0	1566.6	1564.6	1566.6	1570.3	1566.6	1562.7	1551.5	1564.6	1553.4
42.5°	1487.6	1485.6	1487.6	1489.5	1489.5	1496.9	1502.6	1495.1	1491.3	1481.9	1489.5
45°	1402.9	1399.2	1402.9	1406.6	1408.6	1412.3	1429.3	1429.3	1423.7	1408.6	1419.8
47.5°	1312.6	1303.3	1312.6	1323.9	1323.9	1329.6	1346.5	1359.6	1350.3	1331.5	1337.1
50°	1216.7	1218.6	1216.7	1224.3	1224.3	1244.9	1258.1	1271.3	1280.6	1258.1	1231.8
52.5°	1122.7	1120.8	1122.7	1128.4	1135.9	1145.3	1167.8	1181.0	1196.0	1182.9	1141.6
55°	1028.6	1032.5	1028.6	1030.6	1034.3	1040.0	1073.8	1087.0	1115.2	1098.3	1055.0
57.5°	934.6	929.0	934.6	938.4	940.3	945.9	974.2	998.5	1015.6	1017.4	964.7
60°	825.5	818.1	825.5	842.5	846.3	850.0	876.4	898.9	914.0	919.6	865.1
62.5°	729.6	716.5	729.6	740.9	748.5	757.9	776.6	810.6	823.7	825.5	748.5
65°	628.1	622.5	628.1	650.6	652.5	663.8	684.6	709.0	737.2	733.5	622.5
67.5°	536.0	536.0	536.0	551.0	562.3	567.9	594.3	605.6	641.3	645.0	519.0
70°	451.4	449.5	451.4	462.6	470.2	483.3	507.7	520.9	549.1	558.6	421.3
72.5°	370.5	368.6	370.5	379.9	387.4	398.7	419.4	434.5	458.8	470.2	327.2
75°	299.0	295.3	299.0	306.5	304.6	319.7	336.6	351.6	374.3	381.7	242.6
77.5°	229.5	229.5	229.5	236.9	236.9	252.0	259.6	278.4	291.5	302.8	178.6
80°	171.1	169.3	171.1	173.0	173.0	180.5	193.7	206.9	218.2	218.2	122.3
82.5°	120.4	116.6	120.4	120.4	120.4	124.1	131.6	135.4	142.9	148.5	77.1
85°	75.2	75.2	75.2	77.1	75.2	79.0	80.9	84.6	84.6	80.9	47.0
87.5°	48.9	47.0	48.9	47.0	47.0	45.1	45.1	45.1	43.3	41.4	26.4
90°	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2	51.3	32.6
92.5°	177.5	142.3	177.5	212.8	221.6	314.2	437.5	499.2	438.3	316.5	225.1
95°	618.8	512.0	618.8	725.5	752.3	987.9	1302.0	1459.1	1232.3	778.7	438.6
97.5°	1482.7	1279.5	1482.7	1685.9	1736.7	1885.6	2084.1	2183.4	1805.2	1048.9	481.7
100°	2136.3	1894.2	2136.3	2378.4	2438.8	2428.0	2413.5	2406.2	1986.5	1147.3	517.8
102.5°	2779.2	2571.8	2779.2	2986.5	3038.4	2848.6	2595.7	2469.2	2043.6	1192.4	554.0
105°	3598.8	3487.4	3598.8	3710.3	3738.2	3312.9	2745.8	2462.2	2050.1	1225.9	607.7
107.5°	4135.8	4162.7	4135.8	4108.8	4102.1	3508.8	2717.8	2322.2	1958.8	1232.0	687.0
110°	4340.5	4456.7	4340.5	4224.4	4195.3	3532.1	2647.7	2205.5	1877.9	1222.7	731.3





TEST NUMBER: P935029

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4358.8	4537.2	4358.8	4180.5	4135.9	3457.1	2552.0	2099.4	1807.3	1223.2	785.0
115°	4243.2	4490.4	4243.2	3995.9	3934.1	3280.2	2408.3	1972.3	1726.3	1234.4	865.4
117.5°	3998.1	4272.4	3998.1	3723.9	3655.4	3065.2	2278.3	1884.8	1675.6	1257.4	943.6
120°	3800.6	4067.1	3800.6	3534.2	3467.6	2928.3	2209.4	1849.9	1658.6	1276.1	989.1
122.5°	3608.2	3871.1	3608.2	3345.5	3279.8	2794.2	2146.7	1823.1	1649.7	1302.9	1042.8
125°	3333.9	3576.0	3333.9	3091.8	3031.3	2618.9	2068.9	1793.9	1642.3	1339.0	1111.6
127.5°	3087.2	3291.5	3087.2	2882.9	2831.9	2477.7	2005.5	1769.4	1638.0	1375.1	1178.0
130°	2941.8	3130.5	2941.8	2753.2	2706.0	2390.7	1970.3	1760.1	1640.6	1401.6	1222.3
132.5°	2809.9	2978.9	2809.9	2640.9	2598.7	2316.4	1940.0	1751.8	1642.2	1422.9	1258.5
135°	2629.0	2774.8	2629.0	2483.4	2447.0	2210.6	1895.5	1737.9	1640.7	1446.3	1300.5
137.5°	2484.1	2603.3	2484.1	2364.9	2335.1	2135.2	1868.8	1735.6	1650.8	1481.2	1354.1
140°	2384.6	2496.0	2384.6	2273.1	2245.3	2072.6	1842.4	1727.3	1652.5	1502.6	1390.3
142.5°	2302.1	2398.0	2302.1	2206.2	2182.3	2030.6	1828.5	1727.3	1658.4	1520.5	1417.1
145°	2178.5	2251.1	2178.5	2105.9	2087.8	1963.7	1798.4	1715.7	1658.4	1543.9	1458.0
147.5°	2083.6	2143.7	2083.6	2023.5	2008.5	1910.9	1780.8	1715.7	1669.9	1578.1	1509.3
150°	2023.9	2072.6	2023.9	1975.1	1963.0	1880.5	1770.7	1715.7	1675.8	1596.0	1536.1
152.5°	1972.8	2009.6	1972.8	1936.0	1926.8	1856.4	1762.7	1715.7	1679.7	1607.6	1553.6
155°	1914.1	1938.5	1914.1	1889.7	1883.6	1827.6	1753.0	1715.7	1688.3	1633.3	1592.1
157.5°	1867.7	1884.8	1867.7	1850.6	1846.3	1802.8	1744.7	1715.7	1696.9	1659.0	1630.6
160°	1840.0	1849.9	1840.0	1830.1	1827.6	1790.3	1740.6	1715.7	1700.7	1670.6	1648.1
162.5°	1821.8	1831.2	1821.8	1812.5	1810.2	1778.7	1736.7	1715.7	1704.8	1683.0	1666.7
165°	1795.7	1805.5	1795.7	1785.8	1783.3	1760.8	1730.8	1715.7	1710.8	1700.9	1693.5
167.5°	1776.9	1781.0	1776.9	1772.8	1771.7	1757.0	1737.2	1727.3	1723.2	1714.9	1708.7
170°	1771.7	1771.7	1771.7	1771.7	1771.7	1757.0	1737.2	1727.3	1727.1	1726.6	1726.2
172.5°	1757.8	1754.2	1757.8	1761.5	1762.4	1750.7	1735.1	1727.3	1727.3	1727.3	1727.3
175°	1749.5	1749.5	1749.5	1749.5	1749.5	1742.1	1732.3	1727.3	1729.7	1734.3	1737.9
177.5°	1742.0	1737.9	1742.0	1746.1	1747.2	1741.4	1733.6	1729.7	1731.5	1735.2	1737.9
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2016.0	2004.7	2004.7	1985.9	1978.4	1972.7	1963.3	1935.1	1927.6	1920.1	1931.4
5°	2032.9	2012.2	1997.2	1963.3	1935.1	1923.8	1888.1	1820.4	1775.3	1741.5	1722.7
7.5°	2036.6	2010.4	1982.1	1929.5	1861.7	1831.6	1722.7	1598.5	1564.6	1534.6	1515.7
10°	2032.9	2002.8	1963.3	1884.4	1724.5	1671.8	1562.7	1481.9	1461.2	1455.6	1461.2
12.5°	2019.7	1991.6	1937.0	1805.4	1581.6	1545.8	1481.9	1434.9	1431.1	1440.6	1491.3
15°	1997.2	1970.8	1906.9	1700.0	1502.6	1476.3	1431.1	1414.2	1434.9	1500.7	1653.0
17.5°	1974.7	1944.6	1865.6	1596.7	1442.4	1423.7	1391.6	1425.5	1542.1	1630.5	1681.3
20°	1944.6	1908.8	1818.6	1521.4	1399.2	1382.2	1367.2	1519.6	1607.9	1639.8	1668.1
22.5°	1908.8	1871.2	1754.6	1468.7	1354.0	1340.8	1350.3	1572.2	1607.9	1630.5	1654.9
25°	1861.7	1829.8	1679.4	1427.4	1318.3	1303.3	1339.0	1566.6	1587.2	1592.8	1641.7
27.5°	1818.6	1777.2	1600.4	1389.7	1275.0	1269.4	1348.4	1542.1	1557.1	1562.7	1615.5
30°	1765.8	1703.8	1512.0	1350.3	1229.9	1228.0	1350.3	1512.0	1508.2	1523.3	1575.9
32.5°	1711.4	1594.7	1412.3	1301.4	1186.6	1184.7	1337.1	1466.8	1463.1	1483.8	1523.3
35°	1660.6	1510.1	1276.9	1244.9	1132.1	1134.0	1305.1	1414.2	1416.1	1434.9	1459.4
37.5°	1607.9	1436.7	1128.4	1182.9	1079.5	1079.5	1261.9	1365.3	1361.6	1367.2	1401.0
40°	1545.8	1322.0	996.7	1102.0	1030.6	1024.9	1209.2	1312.6	1299.5	1297.7	1344.6
42.5°	1480.0	1196.0	898.9	994.8	974.2	966.6	1145.3	1248.7	1224.3	1229.9	1290.1
45°	1408.6	1162.2	823.7	840.6	915.8	910.2	1075.7	1175.4	1158.5	1173.5	1235.6
47.5°	1337.1	1094.5	799.3	697.7	853.8	851.9	998.5	1103.9	1094.5	1109.6	1175.4
50°	1239.3	1019.3	797.4	598.0	784.2	791.7	906.5	1034.3	1034.3	1047.5	1117.1
52.5°	1113.3	927.1	724.0	541.6	703.4	725.9	825.5	974.2	977.9	991.1	1053.1
55°	998.5	831.2	671.4	498.4	607.5	656.4	746.5	912.1	919.6	932.7	989.2
57.5°	893.3	692.1	660.1	447.5	519.0	566.1	677.0	851.9	855.6	866.9	921.5
60°	780.5	500.3	605.6	393.0	441.9	477.6	613.1	780.5	793.6	801.1	848.2
62.5°	652.5	362.9	549.1	355.5	404.4	411.8	560.4	712.7	729.6	735.3	763.6
65°	464.5	304.6	466.4	323.5	364.8	366.7	504.0	643.2	658.2	667.6	688.3
67.5°	314.1	248.3	355.5	293.4	334.7	336.6	449.5	562.3	583.0	590.5	603.6
70°	218.2	165.5	263.3	261.4	300.9	304.6	391.2	488.9	507.7	513.4	520.9
72.5°	159.8	133.5	218.2	235.1	265.2	268.9	331.0	406.2	425.0	430.6	434.5
75°	122.3	141.0	176.8	205.0	225.6	227.5	270.8	331.0	344.2	347.9	349.8
77.5°	97.8	131.6	129.7	165.5	184.3	180.5	212.6	255.7	267.0	267.0	267.0
80°	73.4	103.5	97.8	118.5	135.4	131.6	152.4	182.5	186.2	189.9	188.1
82.5°	54.5	65.8	65.8	75.2	90.3	86.6	101.5	118.5	118.5	118.5	122.3
85°	33.8	37.6	30.1	39.5	50.8	48.9	56.5	63.9	65.8	65.8	62.1
87.5°	20.7	16.9	9.4	15.0	22.5	22.5	26.4	28.2	26.4	26.4	26.4
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.2	88.6	78.8	59.1
92.5°	205.3	125.9	46.6	125.9	205.3	225.1	316.5	438.3	499.2	437.5	314.2
95°	402.3	257.1	112.0	257.1	402.3	438.6	778.7	1232.3	1459.1	1302.0	987.9
97.5°	449.7	321.6	193.6	321.6	449.7	481.7	1048.9	1805.2	2183.4	2084.1	1885.6
100°	488.8	372.7	256.6	372.7	488.8	517.8	1147.3	1986.5	2406.2	2413.5	2428.0
102.5°	526.9	418.6	310.2	418.6	526.9	554.0	1192.4	2043.6	2469.2	2595.7	2848.6
105°	584.8	493.0	401.3	493.0	584.8	607.7	1225.9	2050.1	2462.2	2745.8	3312.9
107.5°	665.6	580.1	494.6	580.1	665.6	687.0	1232.0	1958.8	2322.2	2717.8	3508.8
110°	712.0	634.8	557.6	634.8	712.0	731.3	1222.7	1877.9	2205.5	2647.7	3532.1



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.6	693.0	619.3	693.0	766.6	785.0	1223.2	1807.3	2099.4	2552.0	3457.1
115°	848.4	780.6	712.6	780.6	848.4	865.4	1234.4	1726.3	1972.3	2408.3	3280.2
117.5°	928.2	866.5	804.8	866.5	928.2	943.6	1257.4	1675.6	1884.8	2278.3	3065.2
120°	974.6	916.5	858.4	916.5	974.6	989.1	1276.1	1658.6	1849.9	2209.4	2928.3
122.5°	1028.1	969.6	911.0	969.6	1028.1	1042.8	1302.9	1649.7	1823.1	2146.7	2794.2
125°	1098.2	1044.8	991.4	1044.8	1098.2	1111.6	1339.0	1642.3	1793.9	2068.9	2618.9
127.5°	1164.6	1110.6	1056.7	1110.6	1164.6	1178.0	1375.1	1638.0	1769.4	2005.5	2477.7
130°	1207.8	1149.8	1091.7	1149.8	1207.8	1222.3	1401.6	1640.6	1760.1	1970.3	2390.7
132.5°	1244.0	1186.0	1127.9	1186.0	1244.0	1258.5	1422.9	1642.2	1751.8	1940.0	2316.4
135°	1287.3	1234.4	1181.6	1234.4	1287.3	1300.5	1446.3	1640.7	1737.9	1895.5	2210.6
137.5°	1341.0	1288.7	1236.3	1288.7	1341.0	1354.1	1481.2	1650.8	1735.6	1868.8	2135.2
140°	1378.2	1330.1	1281.9	1330.1	1378.2	1390.3	1502.6	1652.5	1727.3	1842.4	2072.6
142.5°	1406.0	1361.4	1316.8	1361.4	1406.0	1417.1	1520.5	1658.4	1727.3	1828.5	2030.6
145°	1448.2	1409.3	1370.5	1409.3	1448.2	1458.0	1543.9	1658.4	1715.7	1798.4	1963.7
147.5°	1499.8	1462.0	1424.1	1462.0	1499.8	1509.3	1578.1	1669.9	1715.7	1780.8	1910.9
150°	1527.5	1493.3	1459.1	1493.3	1527.5	1536.1	1596.0	1675.8	1715.7	1770.7	1880.5
152.5°	1547.1	1521.1	1495.2	1521.1	1547.1	1553.6	1607.6	1679.7	1715.7	1762.7	1856.4
155°	1587.3	1568.1	1548.9	1568.1	1587.3	1592.1	1633.3	1688.3	1715.7	1753.0	1827.6
157.5°	1625.9	1607.2	1588.5	1607.2	1625.9	1630.6	1659.0	1696.9	1715.7	1744.7	1802.8
160°	1644.4	1629.9	1615.4	1629.9	1644.4	1648.1	1670.6	1700.7	1715.7	1740.6	1790.3
162.5°	1664.0	1653.0	1642.2	1653.0	1664.0	1666.7	1683.0	1704.8	1715.7	1736.7	1778.7
165°	1691.1	1681.2	1671.3	1681.2	1691.1	1693.5	1700.9	1710.8	1715.7	1730.8	1760.8
167.5°	1707.5	1702.8	1698.2	1702.8	1707.5	1708.7	1714.9	1723.2	1727.3	1737.2	1757.0
170°	1725.1	1720.4	1715.7	1720.4	1725.1	1726.2	1726.6	1727.1	1727.3	1737.2	1757.0
172.5°	1727.1	1726.0	1725.0	1726.0	1727.1	1727.3	1727.3	1727.3	1727.3	1735.1	1750.7
175°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1734.3	1729.7	1727.3	1732.3	1742.1
177.5°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1735.2	1731.5	1729.7	1733.6	1741.4
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935029

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1918.2	1912.6	1920.1	1899.4	1920.1	1912.6	1918.2	1931.4	1920.1	1927.6	1935.1
5°	1683.1	1673.7	1643.7	1619.2	1643.7	1673.7	1683.1	1722.7	1741.5	1775.3	1820.4
7.5°	1504.5	1496.9	1489.5	1474.4	1489.5	1496.9	1504.5	1515.7	1534.6	1564.6	1598.5
10°	1465.0	1466.8	1478.1	1476.3	1478.1	1466.8	1465.0	1461.2	1455.6	1461.2	1481.9
12.5°	1566.6	1583.5	1645.5	1641.7	1645.5	1583.5	1566.6	1491.3	1440.6	1431.1	1434.9
15°	1683.1	1688.7	1701.9	1703.8	1701.9	1688.7	1683.1	1653.0	1500.7	1434.9	1414.2
17.5°	1694.4	1696.3	1705.7	1705.7	1705.7	1696.3	1694.4	1681.3	1630.5	1542.1	1425.5
20°	1685.0	1688.7	1707.6	1711.4	1707.6	1688.7	1685.0	1668.1	1639.8	1607.9	1519.6
22.5°	1681.3	1688.7	1703.8	1701.9	1703.8	1688.7	1681.3	1654.9	1630.5	1607.9	1572.2
25°	1662.5	1662.5	1664.3	1666.2	1664.3	1662.5	1662.5	1641.7	1592.8	1587.2	1566.6
27.5°	1622.9	1626.7	1638.0	1636.1	1638.0	1626.7	1622.9	1615.5	1562.7	1557.1	1542.1
30°	1587.2	1583.5	1574.0	1566.6	1574.0	1583.5	1587.2	1575.9	1523.3	1508.2	1512.0
32.5°	1527.0	1517.6	1508.2	1502.6	1508.2	1517.6	1527.0	1523.3	1483.8	1463.1	1466.8
35°	1455.6	1457.5	1455.6	1449.9	1455.6	1457.5	1455.6	1459.4	1434.9	1416.1	1414.2
37.5°	1404.8	1408.6	1406.6	1399.2	1406.6	1408.6	1404.8	1401.0	1367.2	1361.6	1365.3
40°	1352.1	1354.0	1352.1	1346.5	1352.1	1354.0	1352.1	1344.6	1297.7	1299.5	1312.6
42.5°	1301.4	1299.5	1293.8	1290.1	1293.8	1299.5	1301.4	1290.1	1229.9	1224.3	1248.7
45°	1243.1	1244.9	1233.6	1228.0	1233.6	1244.9	1243.1	1235.6	1173.5	1158.5	1175.4
47.5°	1184.7	1184.7	1175.4	1169.7	1175.4	1184.7	1184.7	1175.4	1109.6	1094.5	1103.9
50°	1122.7	1120.8	1107.6	1105.8	1107.6	1120.8	1122.7	1117.1	1047.5	1034.3	1034.3
52.5°	1051.3	1051.3	1053.1	1056.9	1053.1	1051.3	1051.3	1053.1	991.1	977.9	974.2
55°	989.2	991.1	1004.2	1008.0	1004.2	991.1	989.2	989.2	932.7	919.6	912.1
57.5°	925.3	925.3	934.6	934.6	934.6	925.3	925.3	921.5	866.9	855.6	851.9
60°	851.9	855.6	863.2	861.3	863.2	855.6	851.9	848.2	801.1	793.6	780.5
62.5°	774.8	778.6	780.5	776.6	780.5	778.6	774.8	763.6	735.3	729.6	712.7
65°	693.9	697.7	699.5	695.8	699.5	697.7	693.9	688.3	667.6	658.2	643.2
67.5°	611.2	609.3	607.5	614.9	607.5	609.3	611.2	603.6	590.5	583.0	562.3
70°	526.5	526.5	524.7	528.5	524.7	526.5	526.5	520.9	513.4	507.7	488.9
72.5°	436.3	434.5	441.9	436.3	441.9	434.5	436.3	434.5	430.6	425.0	406.2
75°	347.9	351.6	347.9	353.5	347.9	351.6	347.9	349.8	347.9	344.2	331.0
77.5°	265.2	268.9	265.2	265.2	265.2	268.9	265.2	267.0	267.0	267.0	255.7
80°	188.1	186.2	186.2	184.3	186.2	186.2	188.1	188.1	189.9	186.2	182.5
82.5°	120.4	118.5	118.5	122.3	118.5	118.5	120.4	122.3	118.5	118.5	118.5
85°	65.8	67.7	63.9	63.9	63.9	67.7	65.8	62.1	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.4	26.4	26.4	28.2
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.1	78.8	88.6	76.2
92.5°	221.6	212.8	177.5	142.3	177.5	212.8	221.6	314.2	437.5	499.2	438.3
95°	752.3	725.5	618.8	512.0	618.8	725.5	752.3	987.9	1302.0	1459.1	1232.3
97.5°	1736.7	1685.9	1482.7	1279.5	1482.7	1685.9	1736.7	1885.6	2084.1	2183.4	1805.2
100°	2438.8	2378.4	2136.3	1894.2	2136.3	2378.4	2438.8	2428.0	2413.5	2406.2	1986.5
102.5°	3038.4	2986.5	2779.2	2571.8	2779.2	2986.5	3038.4	2848.6	2595.7	2469.2	2043.6
105°	3738.2	3710.3	3598.8	3487.4	3598.8	3710.3	3738.2	3312.9	2745.8	2462.2	2050.1
107.5°	4102.1	4108.8	4135.8	4162.7	4135.8	4108.8	4102.1	3508.8	2717.8	2322.2	1958.8
110°	4195.3	4224.4	4340.5	4456.7	4340.5	4224.4	4195.3	3532.1	2647.7	2205.5	1877.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4135.9	4180.5	4358.8	4537.2	4358.8	4180.5	4135.9	3457.1	2552.0	2099.4	1807.3
115°	3934.1	3995.9	4243.2	4490.4	4243.2	3995.9	3934.1	3280.2	2408.3	1972.3	1726.3
117.5°	3655.4	3723.9	3998.1	4272.4	3998.1	3723.9	3655.4	3065.2	2278.3	1884.8	1675.6
120°	3467.6	3534.2	3800.6	4067.1	3800.6	3534.2	3467.6	2928.3	2209.4	1849.9	1658.6
122.5°	3279.8	3345.5	3608.2	3871.1	3608.2	3345.5	3279.8	2794.2	2146.7	1823.1	1649.7
125°	3031.3	3091.8	3333.9	3576.0	3333.9	3091.8	3031.3	2618.9	2068.9	1793.9	1642.3
127.5°	2831.9	2882.9	3087.2	3291.5	3087.2	2882.9	2831.9	2477.7	2005.5	1769.4	1638.0
130°	2706.0	2753.2	2941.8	3130.5	2941.8	2753.2	2706.0	2390.7	1970.3	1760.1	1640.6
132.5°	2598.7	2640.9	2809.9	2978.9	2809.9	2640.9	2598.7	2316.4	1940.0	1751.8	1642.2
135°	2447.0	2483.4	2629.0	2774.8	2629.0	2483.4	2447.0	2210.6	1895.5	1737.9	1640.7
137.5°	2335.1	2364.9	2484.1	2603.3	2484.1	2364.9	2335.1	2135.2	1868.8	1735.6	1650.8
140°	2245.3	2273.1	2384.6	2496.0	2384.6	2273.1	2245.3	2072.6	1842.4	1727.3	1652.5
142.5°	2182.3	2206.2	2302.1	2398.0	2302.1	2206.2	2182.3	2030.6	1828.5	1727.3	1658.4
145°	2087.8	2105.9	2178.5	2251.1	2178.5	2105.9	2087.8	1963.7	1798.4	1715.7	1658.4
147.5°	2008.5	2023.5	2083.6	2143.7	2083.6	2023.5	2008.5	1910.9	1780.8	1715.7	1669.9
150°	1963.0	1975.1	2023.9	2072.6	2023.9	1975.1	1963.0	1880.5	1770.7	1715.7	1675.8
152.5°	1926.8	1936.0	1972.8	2009.6	1972.8	1936.0	1926.8	1856.4	1762.7	1715.7	1679.7
155°	1883.6	1889.7	1914.1	1938.5	1914.1	1889.7	1883.6	1827.6	1753.0	1715.7	1688.3
157.5°	1846.3	1850.6	1867.7	1884.8	1867.7	1850.6	1846.3	1802.8	1744.7	1715.7	1696.9
160°	1827.6	1830.1	1840.0	1849.9	1840.0	1830.1	1827.6	1790.3	1740.6	1715.7	1700.7
162.5°	1810.2	1812.5	1821.8	1831.2	1821.8	1812.5	1810.2	1778.7	1736.7	1715.7	1704.8
165°	1783.3	1785.8	1795.7	1805.5	1795.7	1785.8	1783.3	1760.8	1730.8	1715.7	1710.8
167.5°	1771.7	1772.8	1776.9	1781.0	1776.9	1772.8	1771.7	1757.0	1737.2	1727.3	1723.2
170°	1771.7	1771.7	1771.7	1771.7	1771.7	1771.7	1771.7	1757.0	1737.2	1727.3	1727.1
172.5°	1762.4	1761.5	1757.8	1754.2	1757.8	1761.5	1762.4	1750.7	1735.1	1727.3	1727.3
175°	1749.5	1749.5	1749.5	1749.5	1749.5	1749.5	1749.5	1742.1	1732.3	1727.3	1729.7
177.5°	1747.2	1746.1	1742.0	1737.9	1742.0	1746.1	1747.2	1741.4	1733.6	1729.7	1731.5
180°	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9	1737.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1963.3	1972.7	1978.4	1985.9	2004.7
5°	1888.1	1923.8	1935.1	1963.3	1997.2
7.5°	1722.7	1831.6	1861.7	1929.5	1982.1
10°	1562.7	1671.8	1724.5	1884.4	1963.3
12.5°	1481.9	1545.8	1581.6	1805.4	1937.0
15°	1431.1	1476.3	1502.6	1700.0	1906.9
17.5°	1391.6	1423.7	1442.4	1596.7	1865.6
20°	1367.2	1382.2	1399.2	1521.4	1818.6
22.5°	1350.3	1340.8	1354.0	1468.7	1754.6
25°	1339.0	1303.3	1318.3	1427.4	1679.4
27.5°	1348.4	1269.4	1275.0	1389.7	1600.4
30°	1350.3	1228.0	1229.9	1350.3	1512.0
32.5°	1337.1	1184.7	1186.6	1301.4	1412.3
35°	1305.1	1134.0	1132.1	1244.9	1276.9
37.5°	1261.9	1079.5	1079.5	1182.9	1128.4
40°	1209.2	1024.9	1030.6	1102.0	996.7
42.5°	1145.3	966.6	974.2	994.8	898.9
45°	1075.7	910.2	915.8	840.6	823.7
47.5°	998.5	851.9	853.8	697.7	799.3
50°	906.5	791.7	784.2	598.0	797.4
52.5°	825.5	725.9	703.4	541.6	724.0
55°	746.5	656.4	607.5	498.4	671.4
57.5°	677.0	566.1	519.0	447.5	660.1
60°	613.1	477.6	441.9	393.0	605.6
62.5°	560.4	411.8	404.4	355.5	549.1
65°	504.0	366.7	364.8	323.5	466.4
67.5°	449.5	336.6	334.7	293.4	355.5
70°	391.2	304.6	300.9	261.4	263.3
72.5°	331.0	268.9	265.2	235.1	218.2
75°	270.8	227.5	225.6	205.0	176.8
77.5°	212.6	180.5	184.3	165.5	129.7
80°	152.4	131.6	135.4	118.5	97.8
82.5°	101.5	86.6	90.3	75.2	65.8
85°	56.5	48.9	50.8	39.5	30.1
87.5°	26.4	22.5	22.5	15.0	9.4
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.5	225.1	205.3	125.9	46.6
95°	778.7	438.6	402.3	257.1	112.0
97.5°	1048.9	481.7	449.7	321.6	193.6
100°	1147.3	517.8	488.8	372.7	256.6
102.5°	1192.4	554.0	526.9	418.6	310.2
105°	1225.9	607.7	584.8	493.0	401.3
107.5°	1232.0	687.0	665.6	580.1	494.6
110°	1222.7	731.3	712.0	634.8	557.6



TEST NUMBER: P935029

CATALOG NUMBER: SQ4-FA-100U-050D-92765-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1223.2	785.0	766.6	693.0	619.3
115°	1234.4	865.4	848.4	780.6	712.6
117.5°	1257.4	943.6	928.2	866.5	804.8
120°	1276.1	989.1	974.6	916.5	858.4
122.5°	1302.9	1042.8	1028.1	969.6	911.0
125°	1339.0	1111.6	1098.2	1044.8	991.4
127.5°	1375.1	1178.0	1164.6	1110.6	1056.7
130°	1401.6	1222.3	1207.8	1149.8	1091.7
132.5°	1422.9	1258.5	1244.0	1186.0	1127.9
135°	1446.3	1300.5	1287.3	1234.4	1181.6
137.5°	1481.2	1354.1	1341.0	1288.7	1236.3
140°	1502.6	1390.3	1378.2	1330.1	1281.9
142.5°	1520.5	1417.1	1406.0	1361.4	1316.8
145°	1543.9	1458.0	1448.2	1409.3	1370.5
147.5°	1578.1	1509.3	1499.8	1462.0	1424.1
150°	1596.0	1536.1	1527.5	1493.3	1459.1
152.5°	1607.6	1553.6	1547.1	1521.1	1495.2
155°	1633.3	1592.1	1587.3	1568.1	1548.9
157.5°	1659.0	1630.6	1625.9	1607.2	1588.5
160°	1670.6	1648.1	1644.4	1629.9	1615.4
162.5°	1683.0	1666.7	1664.0	1653.0	1642.2
165°	1700.9	1693.5	1691.1	1681.2	1671.3
167.5°	1714.9	1708.7	1707.5	1702.8	1698.2
170°	1726.6	1726.2	1725.1	1720.4	1715.7
172.5°	1727.3	1727.3	1727.1	1726.0	1725.0
175°	1734.3	1737.9	1737.9	1737.9	1737.9
177.5°	1735.2	1737.9	1737.9	1737.9	1737.9
180°	1737.9	1737.9	1737.9	1737.9	1737.9



TEST NUMBER: P935029  
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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	9.10	9.81	10.20	10.91	12.43	11.95	12.67	13.05	13.76	15.28
	3H	9.56	10.20	10.67	11.31	12.84	13.29	13.93	14.40	15.04	16.57
	4H	9.75	10.36	10.87	11.46	13.00	13.73	14.34	14.85	15.45	16.98
	6H	9.86	10.42	10.99	11.53	13.08	14.01	14.57	15.14	15.69	17.23
	8H	9.86	10.39	10.99	11.51	13.06	14.09	14.62	15.22	15.75	17.29
	12H	9.82	10.33	10.96	11.45	13.01	14.12	14.63	15.26	15.75	17.31
4H	2H	10.12	10.73	11.25	11.83	13.37	12.34	12.95	13.47	14.06	15.59
	3H	11.13	11.64	12.27	12.77	14.32	13.84	14.34	14.97	15.48	17.03
	4H	11.40	11.87	12.54	12.99	14.56	14.36	14.83	15.50	15.95	17.52
	6H	11.52	11.92	12.66	13.06	14.62	14.73	15.13	15.87	16.27	17.83
	8H	11.52	11.89	12.66	13.03	14.61	14.83	15.21	15.98	16.34	17.92
	12H	11.48	11.82	12.64	12.97	14.55	14.89	15.22	16.05	16.37	17.96
8H	4H	11.85	12.22	12.99	13.36	14.93	14.48	14.85	15.62	15.99	17.56
	6H	12.10	12.41	13.27	13.59	15.16	14.91	15.22	16.08	16.40	17.97
	8H	12.14	12.41	13.31	13.57	15.16	15.07	15.33	16.24	16.49	18.09
	12H	12.12	12.36	13.29	13.51	15.14	15.16	15.40	16.34	16.55	18.18
12H	4H	11.85	12.18	13.01	13.33	14.92	14.43	14.77	15.59	15.92	17.50
	6H	12.16	12.43	13.33	13.59	15.18	14.91	15.18	16.08	16.34	17.93
	8H	12.22	12.46	13.40	13.61	15.24	15.07	15.30	16.24	16.46	18.09